ADAM TECH

eCATALOG 2025.1

Product Categories

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Spring Loaded Connectors, Pins, Pads & Magnetic Assemblies

Adam Tech Spring Loaded Pins consist of a specially designed barrel and steel spring in either a discrete form or integrated into an insulator carrier/magnetic assembly. They are used in many industries across a wide range of applications to make a secure, high reliability connection. This series is highly customizable to meet specific stroke lengths, heights, and electrical capabilities. High-temp plastics are used for our insulators and unlimited molding designs allow for many different shapes and styles to be created for specific applications.

FEATURES & SPECIFICATIONS

FEATURES:
High Reliability, corrects connection between uneven surfaces and satisfies high vibration connection requirements
Increased durability for heavy duty applications
Highly Customizable-Size, stroke, shape, pin count, etc.
Low Cost and Easily Integrated

PACKAGING:
Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PA46 Rated 94-V0
Optional Hi-Temp insulator: LCP
Insulator Color: Black
Shell: Copper Alloy
Spring: Stainless Steel
Contact Plating: Golf Flash over Nickel Underplate Overall

Electrical:
Operating Voltage: 12 Volts
Current Rating: 1 – 3 Amps depending on spring height and construction option
Contact Resistance at working stroke: 20 mohms max before test, 60 mohms max after test
Insulation Resistance: 100 mohm min
Dielectric Withstanding Voltage: 100 VRMS @ 60 HZ

Mechanical:
Spring Force: 90 +/- 20gf @ 1mm working stroke (3.30mm)
70 +/- 20gf @ 1mm working stroke (4.30mm and 5.30mm)
Full Stroke: 1.40mm

Temperature Rating:
Operating Temperature: -30C to +85C

DISCRETE POGO PIN PART NUMBER CONFIGURATION

PH	-	MH5F	-	1113	-	200
SERIES		**GENDER, MOUNTING ORIENTATION & TYPE**		**HEIGHT**		**PITCH**

PH = *Discrete Pogo Pin*

1st Character for Gender
M = *Male*
F = *Female*

2nd Character for Mounting Orientation
V = *Straight Mount*
H = *Right Angle Mount*

3rd Character for Type
F = *SMT*
E = *SIDE SMT*
P = *DIP*
D = *Double Head*
S = *Solder Cup*
T = *Thread*
5F = *High Current 5A SMT*
5P = *High Current 5A DIP*
5S = *High Current 5A Solder Cup*
AF = *High Current 10A SMT*
C = *Customized Spec*
MP = *Magnet DIP*
CC = *Customized Cable*
RP= *Reverse Pogo pin*

First Two Characters for Barrel Height
11 = *1.10mm*
13 = *1.30mm*
15 = *1.50mm*
17 = *1.70mm*
19 = *1.90mm*
20 = *2.00mm*
23 = *2.30mm*
26 = *2.60mm*
30 = *3.00mm*
33 = *3.30mm*
36 = *3.60mm*
43 = *4.30mm*
50 = *5.00mm*
53 = *5.30mm*
55 = *5.50mm*
73 = *7.30mm*
A3 = *10.30mm*
C3 = *12.30mm*

Last Two Characters for Initial Height
13 = *1.30mm*
15 = *1.50mm*
17= *1.70mm*
19 = *1.90mm*
21 = *2.10mm*
23 = *2.30mm*
25 = *2.50mm*
27 = *2.70mm*
29 = *2.90mm*
31 = *3.10mm*
33 = *3.30mm*
35 = *3.50mm*
37 = *3.70mm*
40 = *4.00mm*
42 = *4.20mm*
44 = *4.40mm*
45 = *4.50mm*
50 = *5.0mm*
60 = *6.0mm*
64 = *6.4mm*
65 = *6.5mm*
70 = *7.0mm*
75 = *7.5mm*
80 = *8.0mm*
85 = *8.5mm*
90 = *9.0mm*
A0 = *10.0mm*
B0 = *11.0mm*
B5 = *11.5mm*
C0 = *12.0mm*
C5 = *12.5mm*
D0 = *13.0mm*
D5 = *13.5mm*
E0 = *14.0mm*
E5 = *14.5mm*
F0 = *15.0mm*

200 = *2mm*
300 = *3mm*
127 = *1.27mm*
254 = *2.54mm*

POGO PIN CONNECTOR WITH INSULATION HOUSING PART NUMBER CONFIGURATION

PH1	-	C	-	3A	-	40	-	+ MHP (PPG)
SERIES		**CUSTOM PART**		**PITCH & INSULATION HEIGHT**		**POSITIONS**		**+MHP (PPG)**

PH1 = *Pogo Pin Connector Single Row*
PH2 = *Pogo Pin Connector Double Row*

1st Character for Pitch
3 = *2.54mm*
5 = *2.50mm*
6 = *1.8mm*
7 = *2.7mm*
8 = *5.0mm*
9 = *1.7mm*
A1 = *4.0mm*
A2 = *1.8/1.5mm*

2nd Character for Insulation Height
A = *1.27mm*
B = *1.50mm*
C = *3.80mm*
D = *4.00mm*
E = *2.00mm*
F = *2.50mm*
G = *3.00mm*
H = *4.50mm*
J = *3.50mm*

Single Row = **01** *thru* **40**
Dual Row = **02** *thru* **40**

Follow by Discrete Pogo Pin PPG P/N - Standard (Ex, MHP-1113-11) Non-Standard or Customization (Ex, MVD-RD07511)

POGO PIN CABLE ASSEMBLY PART NUMBER CONFIGURATION

CA	-	ST2	-	PH1	-	25410	-	M
SERIES		**ORIENTATION & POSITIONS**		**ROW OF PIN HEADER**		**PITCH & CONNECTOR LENGTH**		**GENDER**

CA = *Cable assembly*

1st Character for Mounting Orientation
ST = *Straight*
RA = *Right Angle*

2nd Character Positions
2 = *2 PIN*

1 = *Single Row*
2 = *Dual Row*
R = *Round shape connector w/magnet*

1st Character for Pitch
254 = *2.54mm*

2nd Character for connector length
10 = *10mm*

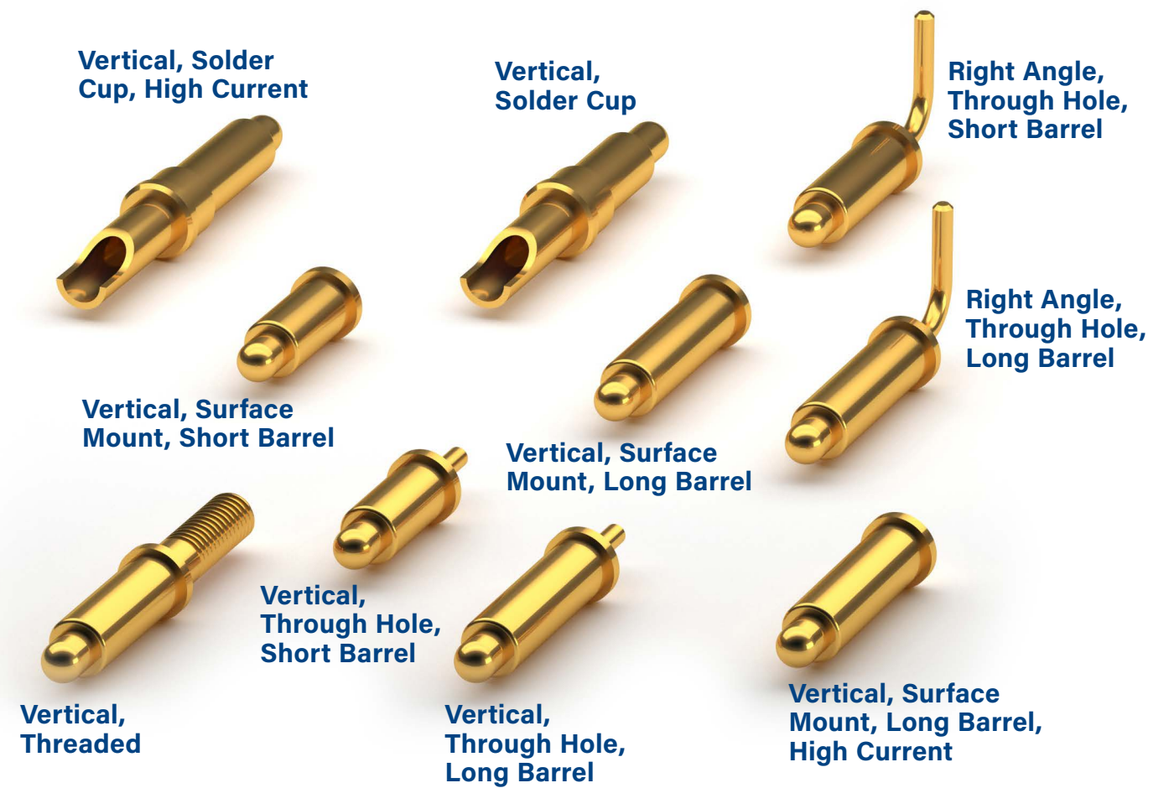
M = *Male*
F = *Female*

M1, M2, M3, ... *for New type*

DISCRETE SPRING LOADED PINS

Adam Tech Discrete Spring Loaded pins are manufactured with precision from the highest quality brass barrels and plungers, support by industry leading spring steel to support long life cycles and high reliability. Our pins come in a wide range of heights, stroke length, mounting orientations, and electrical capabilities.

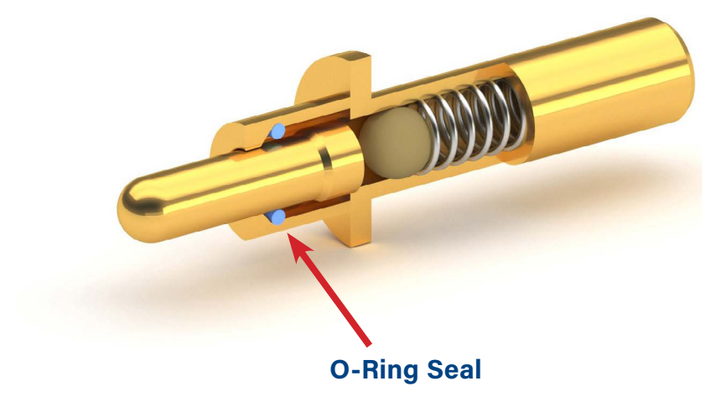
PART NUMBER	GENDER	MOUNTING ORIENTATION	TERMINATION TYPE	OPTIONS	PRODUCT DATA
PH-MH5P-XXXX	Male	Right Angle	Through Hole	High Current (5 Amps)	View
PH-MHP-XXXX	Male	Right Angle	Through Hole		View
PH-MV5F-XXXX	Male	Vertical	Surface Mount	High Current (5 Amps)	View
PH-MV5P-XXXX	Male	Vertical	Through Hole	High Current (5 Amps)	View
PH-MV5S-XXXX	Male	Vertical	Solder Cup	High Current (5 Amps)	View
PH-MVF-XXXX	Male	Vertical	Surface Mount		View
PH-MVP-XXXX	Male	Vertical	Through Hole		View
PH-MVS-XXXX	Male	Vertical	Solder Cup		View
PH-MVT-XXXX	Male	Vertical	Threaded		View



WATERPROOF DISCRETE SPRING LOADED PINS

Adam Tech "Waterproof" Discrete Pogo Pins are manufactured with the same precision as our standard dicscrete pogo pins with an added rubber seal. These pins are IP rated for repelling water and suitable for outdoor applications subject to a wet environment.

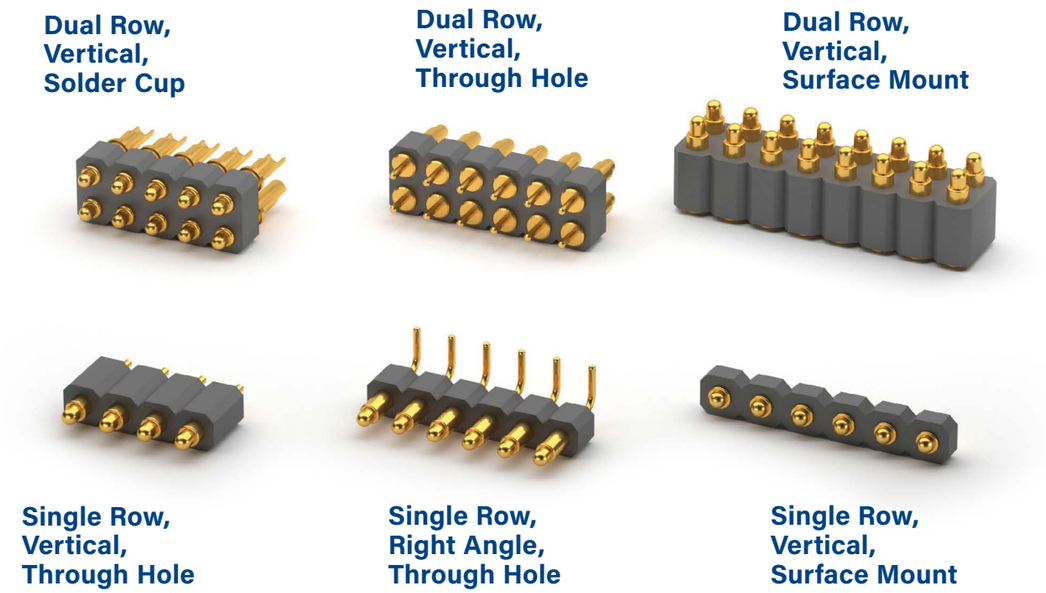
PART NUMBER	TERMINATION TYPE	PRODUCT DATA
PH-MVP-26515-10-10-WP	Through Hole	View



SPRING LOADED

Adam Tech Spring Loaded Connectors consist of a pin, barrel, and steel spring with or without an insulator carrier. They are used in many industries across a wide range of applications to make a secure, high reliability connection. This series is highly customizable to meet specific stroke lengths, heights, and electrical capabilities. High-temp plastics are used for our insulators and unlimited molding designs allow for many different shapes and styles to be created for specific applications.

PART NUMBER	ROWS	MOUNTING ORIENTATION	TERMINATION TYPE	PRODUCT DATA
PH1-3B-XX-MVF-XXXX	Single Row	Vertical	Surface Mount	View
PH1-3B-XX-MVP-XXXX	Single Row	Vertical	Through Hole	View
PH1-3B-XX-MVS-XXXX	Single Row	Vertical	Solder Cup	View
PH2-3B-XX-MVF-XXXX	Dual Row	Vertical	Surface Mount	View
PH2-3B-XX-MVF-XXXX-C1	Dual Row	Vertical	Surface Mount	View
PH2-3B-XX-MVP-XXXX	Dual Row	Vertical	Through Hole	View
PH2-3B-XX-MVS-XXXX	Dual Row	Vertical	Solder Cup	View
PH2-3B-XX-MVS-XXXX-C1	Dual Row	Vertical	Solder Cup	View



SPECIAL SPRING LOADED

Adam Tech offers full design customization capabilities for our spring loaded connectors.Below you can find a range of customized spring loaded connectors we've tailored for very specific applications. These are available for purchase. Customers can also request different shapes, sizes, and other features to fit into any application requirement necessary. Fast turn design and full 2D/3D models are available during the design phase. From concept to production, designing a custom spring loaded connector with Adam Tech is a seamless process aimed at total customer satisfaction.

PART NUMBER	PRODUCT TYPE	PIN COUNT	HIGH SPEED DATA RATE	PRODUCT DATA
ADT-AN7975-C1	Printer Cartridge Connectors	24 Pins		View
ADT-AN7975-C2	Printer Cartridge Connectors	37 Pins		View
HDR-F-18-S-01-5	High Speed Data Rate Spring Loaded Set		High Speed Data Rate	View
HDR-M-18-S-01-5	High Speed Data Rate Spring Loaded Set		High Speed Data Rate	View

MATING PAD CONNECTORS

Adam Tech Mating Pad Connectors are the ideal mating solution for our line of spring loaded connectors. These dip-loaded parts have a .100" [2.54mm] pitch, vertical mounting orientation, and through hole termination. They are offered in either a single row or dual row configuration. Positions range from 1-40, offering mating capabilities to a wide range of pogo pin products.

PART NUMBER	ROWS	CENTERLINE	POSITIONS	GENDER	MOUNTING ORIENTATION	TERMINATION TYPE	PRODUCT DATA
PH1-3F-XX-FVP-24415-C1	Single Row	.100" [2.54mm]	01-40	Female	Vertical	Through Hole	View
PH2-3F-XX-FVP-24415-C1	Dual Row	.100" [2.54mm]	01-40	Female	Vertical	Through Hole	View

Single & Dual Row Female Mating Pads

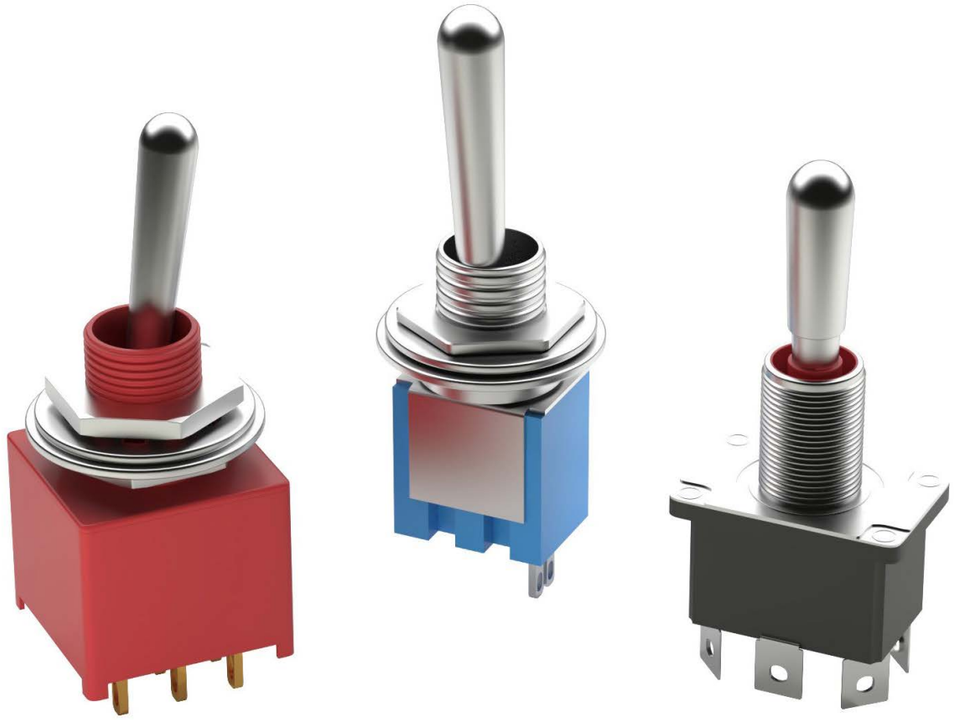
Magnetic cable assemblies and connectors are a popular and quickly growing product line. Adam Tech has incorporated over 30 years of connector knowledge and experience to develop a line of custom magnetic assembly solutions. In addition to a being available in a variety of configurations, these products offer several key features and benefits in the market:

- Blind mate and easy connection
- Waterproof capabilities
- Variety of pin counts and shapes
- User friendliness
- Easily detachable for real world applications (fitness, medical, outdoor, etc)

PART NUMBER	TYPE	PIN COUNT	SHAPE	PRODUCT DATA
CA-RA2-PHR-15103-M	Cable Assembly	1	Circular	View
CA-RA2-PHR-32572-M	Cable Assembly	1	Circular	View
CA-RA2-PHR-34113-M-WT	Cable Assembly	1	Circular	View
CA-RA4-PH1-181279-M	Cable Assembly	4	Rectangular	View
CA-RA4-PH1-1888-M	Cable Assembly	4	Rectangular	View
CA-RA5-PH1-25736-M	Cable Assembly	5	Rectangular	View
CA-ST2-PH1-25410-M	Cable Assembly	2	Square	View
CA-ST2-PH1-558-M	Cable Assembly	2	Rounded Rectangular	View
CA-ST2-PHR-198-M	Cable Assembly	1	Circular	View
CA-ST2-PHR-202-M	Cable Assembly	1	Circular	View
CA-ST5-PH1-18S-M	Cable Assembly	5	Rectangular	View
CA-ST6-PH2-254105-M	Cable Assembly	6	Square	View
CA-USBAM-PH-3E02-MVCC	Cable Assembly	2	Rectangular	View
CA-USBAM-PH-3E03-MVCC	Cable Assembly	3	Rectangular	View
CA-USBAM-PH-3E04-MVCC	Cable Assembly	4	Rectangular	View
CA-USBAM-PH-3E05-MVCC	Cable Assembly	5	Rectangular	View
PH-MV15F-9012	Connector	1	Circular	View
PH1-3L-02-FVMP-4560	Connector	2	Rectangular	View
PH1-3L-03-FVMP-4560	Connector	3	Rectangular	View
PH1-3L-04-FVMP-4560	Connector	4	Rectangular	View
PH1-3L-05-FVMP-4560	Connector	5	Rectangular	View
PH1-C18395-05-FVP-585	Connector	5	Rectangular	View
PH1-C184-05-FVP-59	Connector	5	Rectangular	View
PH1-C1849-04-MVP-5S4S	Connector	4	Rounded Rectangular	View
PH1-C1853-04-MVP-7365	Connector	4	Rounded Rectangular	View
PH1-C1855-05-FHP-728	Connector	5	Rectangular	View

PART NUMBER	TYPE	PIN COUNT	SHAPE	PRODUCT DATA
PH1-C1857-04-FHP-5	Connector	4	Rounded Rectangular	View
PH1-C18696-05-MVP-865975	Connector	5	Rectangular	View
PH1-C2118S-07-FVF-153	Connector	7	Rectangular	View
PH1-C2135-07-MVP-4351	Connector	7	Rectangular	View
PH1-C2446-08-MHP-826996	Connector	8	Rectangular	View
PH1-C24595-08-FHP-709	Connector	8	Rectangular	View
PH1-C2520-02-MVF-4565	Connector	2	Rectangular	View
PH1-C2524-05-MVF-2533	Connector	5	Rectangular	View
PH1-C2535-05-FHP-52	Connector	5	Rectangular	View
PH1-C25355-04-MVP-2635	Connector	4	Rectangular	View
PH1-C25381-05-MVP-464575	Connector	5	Rectangular	View
PH1-C315-03-MVF-3550	Connector	3	Rectangular	View
PH1-C365-04-FVRP-605685	Connector	4	Rounded Rectangular	View
PH1-C449-06-MHP-965A85	Connector	6	Rectangular	View
PH1-C463-06-FHP-71	Connector	6	Rectangular	View
PH2-C18575-14-MHP-A55935	Connector	14	Trapezoid	View
PH2-C18765-14-FHP-8	Connector	14	Trapezoid	View
PH2-C2528-08-MVP-40735	Connector	8	Rectangular	View
PH2-C25410-06-FVP	Connector	6	Square	View
PH2-C266-12-MVP-66	Connector	12	Rectangular	View
PH2-C272-12-FVP-76	Connector	12	Rectangular	View
PH2-C665-06-FVP-65S	Connector	6	Rectangular	View
PH2-C665-06-MVP-7792	Connector	6	Rectangular	View
PHR-C4777-02-FVP-800	Connector	2	Circular	View
PHR-C4777-02A-FVP-800	Connector	2	Circular	View

Adam Tech Toggle Switches are medium, miniature, and sub-miniature switches that are manually actuated by a mechanical lever. They are available in low current, power, and sealed (waterproof) IP67/IP68 versions. Commonly used as light duty control switches, these toggle switches are ideal for switching both high and low currents. This product line boasts a variety of termination styles, circuits, functions, and actuator lengths, making it ideal for a broad range of applications.



FEATURES & SPECIFICATIONS

FEATURES:
Variety of Toggle Switch sizes and orientations
Sealed IP67 waterproof
Sealed power IP68 waterproof
Termination styles: solder type, PCB type, screw lug, PCB terminal, and quick connect terminal
Circuits: SPST, SPDT, DPST, DPDT, and 3PDT
Functions: ON-ON, ON-OFF, OFF-(ON), and ON-OFF-ON
Various actuator length options

PACKAGING:
Bag or box

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. WOYR2.E520713

SPECIFICATIONS:

Material:
Body: PA66 or Bakelite
Lever: Brass, nickel plated; or copper alloy, silver plated

Contact Plating:
Terminal: Brass, silver or tin plated

Electrical:
Operating Voltage Range: 125 to 250 V AC
Current Rating Range: 1.5 to 12 Amps
Contact Resistance Range: 10 to 100 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage Range: 1000 to 1500V AC for 1 Minute

TEMPERATURE RATING:
Operating Temperature Range: -30°C to +85°C

PART NUMBER CONFIGURATION

SW - T1 - 1 - A - A - A2 - S - 1

SERIES	TYPE	CONTACT FORM	SWITCH FUNCTION	TERMINAL OPTION	HANDLE OPTION	CONTACT PLATING	VERSION/STYLE
SW= *Switch*	**T** = *Toggle* **T1** = *Toggle Medium* **T2** = *Toggle Mimiature* **T3** = *Toggle Sub-Miniature* **T4** = *Toggle Power*	**1** = *SPST* **2** = *SPDT* **3** = *DPST* **4** = *DPDT* **5** = *3PST* **6** = *3PDT* **7** = *SP3T*	**A** = *ON-OFF* **B** = *ON-ON* **C** = *OFF-(ON)* **D** = *ON-(ON)* **E** = *ON-OFF-ON* **F** = *ON-OFF-(ON)* **G** = *(ON)-OFF-(ON)* **H** = *(ON)-OFF-ON*	**A** = *Solder* **B** = *PCB Vertical* **C** = *PCB R/A* **D** = *Screw Lug* **E** = *QC .250" [6.35mm]* **F** = *QC .187" [4.80mm]*	**A2** = *11.0mm (T2 Series)* **B2** = *21.0mm (T2 Series)* **C2** = *6.9mm (T2 Series)* **D2** = *12.5mm (T2 Series)* **E2 & G2** = *15.0mm (T2 Series)* **F2** = *12.0mm (T2 Series)* **L2** = *17.0mm (T2 Series)* **FL2** = *21.0mm (T2 Series)* **A3** = *9.4mm (T3 Series)* **C3** = *5.4mm (T3 Series)* **D3** = *8.9mm (T3 Series)* **Blank** = *17.5mm (T1 Series)* **C1** = *14.0mm (T1 Series)* **D1** = *18.0mm (T1 Series)* **E1** = *28.0mm (T1 Series)* **L1** = *50.0mm (T1 Series)* **TA1** = *16.2mm (T1 Series)* **T1** = *12.6mm (T2 Series, style 03)* **T2** = *7.6mm (T2 Series, style 03)* **T3** = *10.7mm (T2 Series, style 03)*	**S** = *Silver* **G** = *Gold*	*See Datasheets*

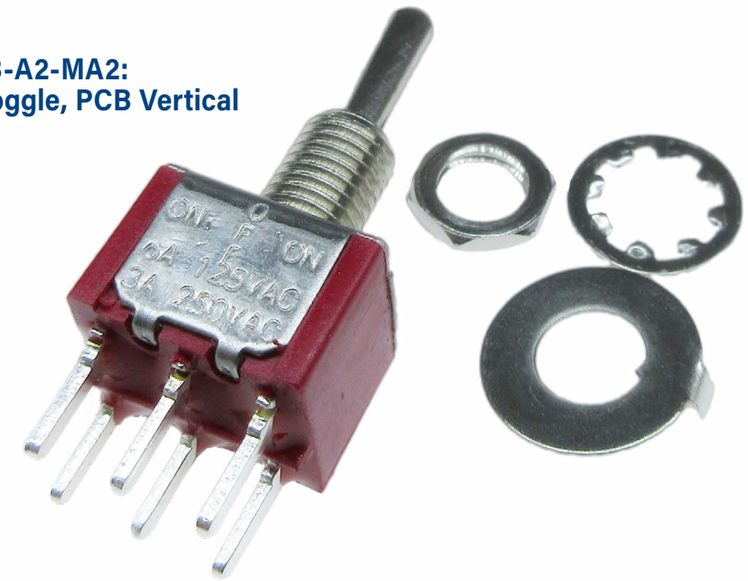
PART NUMBER	TOGGLE SWITCH TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	PRODUCT DATA
SW-T1-1X-B-K1	Medium Toggle	PC Terminal [6.35mm]	SPST	ON-OFF or OFF-(ON)	View
SW-T1-1X-D-K1	Medium Toggle	Screw Lug	SPST	ON-OFF or OFF-(ON)	View
SW-T1-2X-B-K1	Medium Toggle	PC Terminal [6.35mm]	SPDT	Multiple Function Options (see datasheet)	View
SW-T1-2X-D-K1	Medium Toggle	Screw Lug	SPDT	Multiple Function Options (see datasheet)	View
SW-T1-3X-B-K2	Medium Toggle	PC Terminal [6.35mm]	DPST	ON-OFF or OFF-(ON)	View
SW-T1-3X-D-K2	Medium Toggle	Screw Lug	DPST	ON-OFF or OFF-(ON)	View
SW-T1-4X-B-K2A	Medium Toggle	PC Terminal [6.35mm]	DPDT	Multiple Function Options (see datasheet)	View
SW-T1-6X-D-C1-K3	Medium Toggle	Screw Lug	3PDT	ON-ON	View
SW-T2-1X-A-A2-M1	Miniature Toggle	Solder Type	SPST	ON-OFF or OFF-(ON)	View
SW-T2-2B-A-T1-X-03	IP67 Sealed Miniature Toggle	Solder Type	SPDT	ON-ON	View
SW-T2-2B-A-T2-X-03	IP67 Sealed Miniature Toggle	Solder Type	SPDT	ON-ON	View
SW-T2-2X-A-A2-M1	Miniature Toggle	Solder Type	SPDT	Multiple Function Options (see datasheet)	View
SW-T2-3X-A-A2-M2	Miniature Toggle	Solder Type	DPST	ON-OFF or OFF-(ON)	View
SW-T2-4B-A-T1-X-03	IP67 Sealed Miniature Toggle	Solder Type	DPDT	ON-ON	View
SW-T2-4B-A-T2-X-03	IP67 Sealed Miniature Toggle	Solder Type	DPDT	ON-ON	View
SW-T2-4X-A-A2-MA2	Miniature Toggle	Solder Type	DPDT	ON-OFF-ON	View
SW-T2-4X-B-A2-MA2	Miniature Toggle	PCB Vertical Type	DPDT	Multiple Function Options (see datasheet)	View
SW-T2-6X-A-A2-M3	Miniature Toggle	Solder Type	3PDT	ON-ON or ON-OFF-ON	View
SW-T2-6X-B-A2-M3	Miniature Toggle	PCB Vertical Type	3PDT	ON-ON or ON-OFF-ON	View
SW-T3-1A-A-A3-S1	Subminiature Toggle	Solder Type	SPST	ON-OFF	View
SW-T3-2B-A-A3-S1	Subminiature Toggle	Solder Type	SPDT	ON-ON	View
SW-T3-2B-A-T3-X-05	IP67 Sealed Subminiature Toggle	Solder Type	SPDT	ON-ON	View
SW-T3-4B-A-A3-S2	Subminiature Toggle	Solder Type	DPDT	ON-ON	View
SW-T3-4B-A-T3-X-05	IP67 Sealed Subminiature Toggle	Solder Type	DPDT	ON-ON	View
SW-T4-1A-E-TA1-01	IP68 Sealed Power Toggle	Quick Connect Terminal [6.35mm]	SPST	ON-ON	View
SW-T4-2B-E-TA1-01	IP68 Sealed Power Toggle	Quick Connect Terminal [6.35mm]	SPDT	ON-ON	View

SW-T1-3X-D-K2: Medium Toggle, Screw Lug, DPST

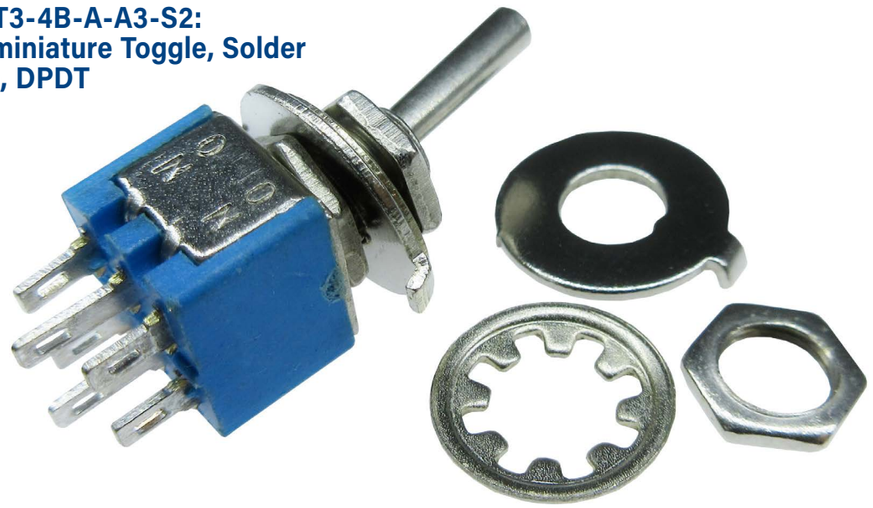
SW-T4-1A-E-TA1-01: IP68 Sealed Power Toggle, Quick Connect Terminal, SPST

SW-T2-4B-A-T1-X-03: IP67 Sealed Miniature Toggle, Solder Type, DPDT

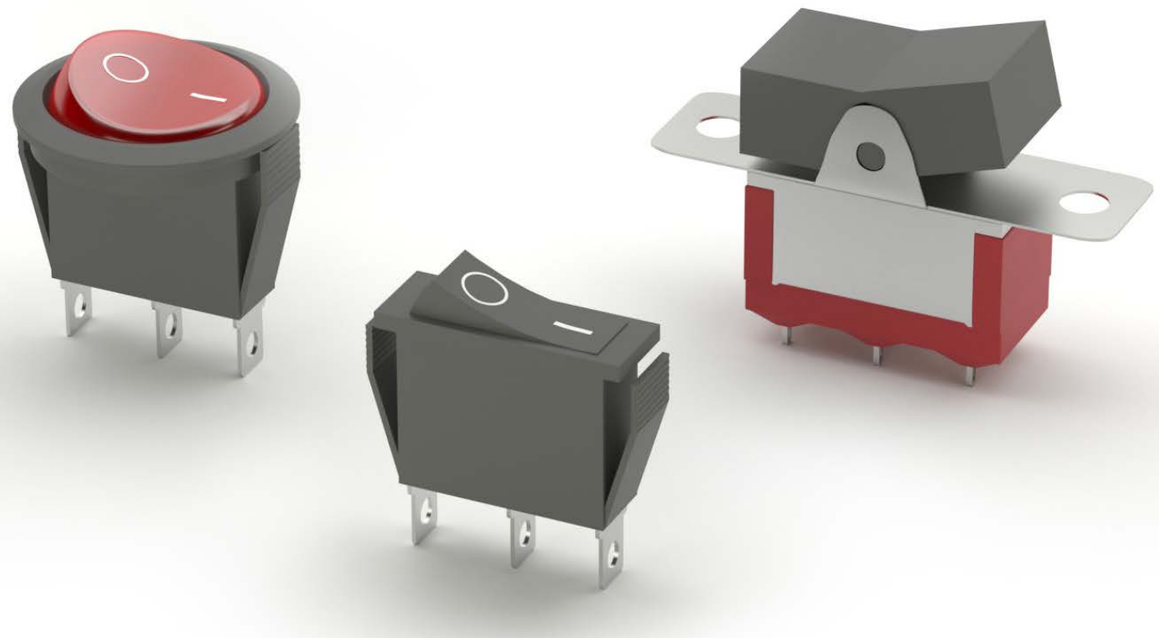
SW-T2-4E-B-A2-MA2: Miniature Toggle, PCB Vertical Type, DPDT



SW-T3-4B-A-A3-S2: Subminiature Toggle, Solder Type, DPDT



Adam Tech Rocker Switches are an ideal solution for turning electrical devices on and off. This product line is composed of miniature, subminiature, and medium sized rocker switches. Each is equipped with a standard or LED lighted actuator, which are available in a variety of color, shape, and marking options. Specialized IP67 sealed waterproof rocker switches are also available.



FEATURES & SPECIFICATIONS

FEATURES
Variety of Rocker Switch types
Sealed waterproof IP67
Termination options: solder type, PCB type, and quick connect terminal
Circuits: SPST, SPDT, DPST, and DPDT
Functions: ON-ON, ON-OFF, OFF-(ON), ON-OFF-ON, and (ON)-OFF-ON
Rocker shapes: round and rectangular (curved and standard V)
Standard and custom actuator markings
LED lighted actuators w/ color options

PACKAGING:
Bag or box

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. WOYR2.E520713

SPECIFICATIONS:

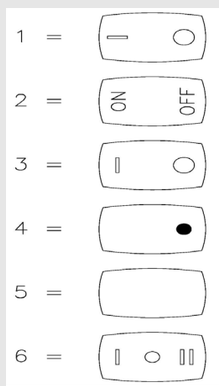
Material:
Body: PA66
Button: PA66

Contact Plating:
Terminal: Brass, silver plated; or copper alloy, silver or gold (over nickel) plated

Electrical:
Operating Voltage Range: 20 to 250 V AC
Current Rating Range: 0.4 to 20 Amps
Contact Resistance Range: 10 to 100 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage: 1500V AC for 1 Minute

TEMPERATURE RATING:
Operating Temperature Range: -30°C to +85°C

PART NUMBER CONFIGURATION

SW -	R -	1 -	A -	A -	LR -	1 -	1
SERIES	**TYPE**	**CONTACT FORM**	**SWITCH FUNCTION**	**TERMINAL OPTION**	**ACTUATOR COLOR**	**ACTUATOR MARKING**	**VERSION/STYLE**
SW= *Switch*	**R** = *Rocker* **R1** = *Medium Rocker* **R2** = *Miniature Rocker* **R3** = *Subminiature Rocker*	**1** = *SPST* **2** = *SPDT* **3** = *DPST* **4** = *DPDT* **5** = *3PST* **6** = *3PDT*	**A** = *ON-OFF* **B** = *ON-ON* **C** = *OFF-(ON)* **D** = *ON-(ON)* **E** = *ON-OFF-ON* **F** = *ON-OFF-(ON)* **G** = *(ON)-OFF-(ON)* **H** = *(ON)-OFF-ON* **J** = *(ON)-OFF* **K** = *(ON)-ON*	**A** = *Solder* **B** = *PCB Vertical* **C** = *PCB R/A* **D** = *Screw Lug* **E** = *QC .250" [6.35mm]* **F** = *QC .187" [4.80mm]*	**Blank** = *Standard Black* **SB** = *Small Black* **W** = *White* **R** = *Red* **G** = *Green* **Y** = *Yellow* **B** = *Blue* **O** = *Orange* **LW** = *Lighted White* **LR** = *Lighted Red* **LG** = *Lighted Green* **LY** = *Lighted Yellow* **LB** = *Lighted Blue* **LO** = *Lighted Orange*		*See Datasheets*

BODY COLOR STANDARD BLACK

PART NUMBER	ROCKER SWITCH TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	SHAPE	LED LIGHTED ACTUATOR	PRODUCT DATA
SW-R1-1A-E-LXXX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	SPST	ON-OFF	Rectangular - Concave (Curved)	Yes	View
SW-R1-1X-E-XX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	SPST	ON-OFF or OFF-(ON)	Rectangular - Concave (Curved)	No	View
SW-R1-3A-E-LXXX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	View
SW-R1-3A-E-LXXX-2	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	View
SW-R1-3A-E-LXXX-2A	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	View
SW-R1-3A-E-XX-2A	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	No	View
SW-R1-3X-E-XX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF or OFF-(ON)	Rectangular - Concave (Curved)	No	View
SW-R1-3X-E-XX-2	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF or OFF-(ON)	Rectangular - Concave (Curved)	No	View
SW-R1-4E-E-LXXX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPDT	ON-OFF-ON	Rectangular - Concave (Curved)	Yes	View
SW-R1-4E-E-XX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPDT	ON-OFF-ON	Rectangular - Concave (Curved)	No	View
SW-R2-1A-F-LXXX-2	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Rectangular - Concave (Curved)	Yes	View
SW-R2-1A-F-LXXX-5	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	Yes	View
SW-R2-1A-F-LXXX-8	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	Yes	View
SW-R2-1A-F-XX-0	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Rectangular - Concave (Curved)	No	View
SW-R2-1A-F-XX-5	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	No	View
SW-R2-1A-F-XX-5W	Waterproof Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	No	View
SW-R2-1A-F-XX-8	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	No	View
SW-R2-2B-A-5-10	Miniature Rocker	Solder Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R2-2B-A-5-11	IP67 Sealed Miniature Rocker	Solder Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R2-2B-B-5-10	Miniature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R2-2B-F-XX-0	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPDT	ON-ON	Rectangular - Concave (Curved)	No	View
SW-R2-2E-F-XX-5	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPDT	ON-OFF-ON	Round	No	View
SW-R2-2E-F-XX-8	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPDT	ON-OFF-ON	Round	No	View
SW-R2-2X-F-XX-2	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPDT	ON-OFF-ON or (ON)-OFF-ON	Rectangular - Concave (Curved)	No	View
SW-R2-3A-F-LXXX-4	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	View
SW-R2-3A-F-LXXX-6	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	View
SW-R2-3A-F-X1-4	Miniature Rocker	Solder Type	DPST	ON-OFF	Rectangular - Concave (Curved)	No	View
SW-R2-3A-F-XX-6	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	No	View
SW-R2-4B-A-5-11	IP67 Sealed Miniature Rocker	Solder Type	DPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R2-4X-S-XX-1	Miniature Rocker	Solder Terminal	DPDT	ON-ON or ON-OFF-ON	Rectangular - Concave (Curved)	No	View
SW-R3-1A-A-LXXX-2	Subminiature Rocker	Solder Type	SPST	ON-OFF	Round	Yes	View
SW-R3-1A-A-XX-0	Subminiature Rocker	Solder Type	SPST	ON-OFF	Rectangular - Concave (Curved)	No	View
SW-R3-1A-A-XX-2	Subminiature Rocker	Solder Type	SPST	ON-OFF	Round	No	View
SW-R3-2B-B-5-13	Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R3-2B-B-5-G-14	IP67 Sealed Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R3-2B-B-SB5-13	Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R3-2B-B-SB5-G-13	Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R3-2B-B-SB5-G-14	IP67 Sealed Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R3-2B-C-5-13	Subminiature Rocker	PCB Right Angle Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R3-2B-C-5-G-14	IP67 Sealed Subminiature Rocker	PCB Right Angle Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R3-2B-C-SB5-G-13	Subminiature Rocker	PCB Right Angle Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View
SW-R3-2B-C-SB5-G-14	IP67 Sealed Subminiature Rocker	PCB Right Angle Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	View

Adam Tech Keylock Switches utilize a lock and key to provide applications with additional security. This product line is composed of panel mount and solder terminal switches, available in various panel cutout dimensions, circuits, and functions. Key pull options include single position and multiple positions, utilizing both standard and tubular keys.

FEATURES & SPECIFICATIONS

FEATURES
Panel mount, solder terminal keylock switches
Panel cutout dimensions: 19mm, 16mm, 15mm, 14.5mm, and 12mm
Circuits: SP, DP, and SPDT
Functions: ON-ON, ON-OFF, and OFF-ON-ON
Single key pull and multiple key pull options

PACKAGING:
Bag

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. WOYR2.E520713

SPECIFICATIONS:

Material:
Body: Steel, polished chrome

Electrical:
Operating Voltage Range: 125 to 250 V AC
Current Rating Range: 0.5 to 4 Amps
Contact Resistance Range: 20 to 100 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage Range: 500 to 1500V AC for 1 Minute

TEMPERATURE RATING:
Operating Temperature Range: -25°C to +85°C

PART NUMBER CONFIGURATION

SW	-	R	-	K	-	A
SERIES				**TYPE**		**KEY PULL**
SW = *Switch*				**K1** = *15MM, SPST, ON-OFF* **K4** = *12MM, SPST, ON-OFF* **K5** = *14.5MM, SPST, ON-OFF* **K7A** = *16MM, SPST, ON-OFF* **K7B** = *16MM, SPST, OFF-ON-ON* **K8** = *16MM, SPDT, ON-ON* **K9** = *16MM, SPDT, ON-ON* **K10** = *19MM, SPST, ON-OFF* **K11B** = *19MM, SPDT, ON-ON* **K13A** = *19MM, SPST, ON-ON* **K13B** = *19MM, SPDT, ON-ON*		**A** = *Key pulled on both positions* **B** = *Kay pulled on one position*

PART NUMBER	PANEL CUTOUT DIMENSION	MOUNTING TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	PRODUCT DATA
SW-R-K1-X	15mm	Panel Mount	Solder Terminal	SP	ON-OFF	View
SW-R-K10-X	19mm	Panel Mount	Solder Terminal	SP	ON-OFF	View
SW-R-K11B-X	19mm	Panel Mount	Solder Terminal	SPDT	ON-ON	View
SW-R-K13X-X	19mm	Panel Mount	Solder Terminal	SP or DP	ON-ON	View
SW-R-K4-X	12mm	Panel Mount	Solder Terminal	SP	ON-OFF	View
SW-R-K5-X	14.5mm	Panel Mount	Solder Terminal	SP	ON-OFF	View
SW-R-K7X-X	16mm	Panel Mount	Solder Terminal	SP	ON-OFF or OFF-ON-ON	View
SW-R-K8-X	16mm	Panel Mount	Solder Terminal	SPDT	ON-ON	View
SW-R-K9-X	16mm	Panel Mount	Solder Terminal	SPDT	ON-ON	View

Adam Tech Pushbutton switches are tactile switches ideal for use in industrial control panels to operate circuits within a device. This vast line of metal and plastic pushbutton switches is available in standard, miniature, and subminiature sizes. Operationally, the line includes snap-acting, alternate acting, low profile, and illuminated pushbutton switches. Specialty switches including anti-vandal, industrial, high current, high performance, and sealed IP67/IP68 waterproof are also available.

FEATURES & SPECIFICATIONS

FEATURES
Variety of Pushbutton Switch types
IP68 and IP67 sealed waterproof
IP68 high performance
High current
Anti-vandal
Termination styles: solder type, PCB type, screw lug, and surface mount
Circuits: SPST, SPDT, and DPDT
Functions: ON-ON, ON-OFF, OFF-ON, Momentary, Latching, ON-Momentary, OFF-Momentary, NO-NC Momentary, 1NO-1NC (Momentary or Latching), ON-OFF Latching, OFF-ON Momentary, and ON-ON Latching
Actuator types: round button, round plunger, and square button
LED lighted actuators w/ color options

PACKAGING:
Bag, box, or tray

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. WOYR2.E520713

SPECIFICATIONS:

Material:
Body: ABS, PA66, PC, or PBT
Button: Stainless steel, ABS, PC, or POM
Spring: Spring steel wire

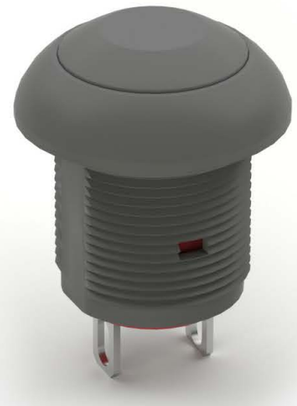
Contact Plating:
Terminal: Brass or copper alloy, silver plated

Electrical:
Operating Voltage Range: 32 to 250 V AC
Current Rating Range: 0.4 to 16 Amps
Contact Resistance Range: 10 to 50 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage Range: 1000 to 2000V AC for 1 Minute

TEMPERATURE RATING:
Operating Temperature Range: -30°C to +85°C

SW-PB7-01LB42BFRXXXXM:

Anti-Vandal Push Button, SPST, OFF-Momentary, Lighted



SW-PB11-1CSX-10A:

IP67 Push Button, SPST, OFF-Momentary

SW-PB2-2EX-A-RX-3-L1:

IP67 Push Button, Latching, SPST, OFF-Momentary

SW-PB7-01PB4EBRXM:

Anti-Vandal Push Button, IP Rated, SPST, OFF-Momentary

SW-PB7-07LB42CRRXXXXX:

Anti-Vandal Push Button, IP Rated, LED Lighted Actuator, SPST, OFF-ON

SW-PB7-06LB22FFRXXXXX:

High Current Vandal Push Button, LED Lighted Actuator, SPDT, ON-ON Latching

SW-PB7-03LB22CFPXXXXX:

Ant-Vandal Push Button, IP Rated, LED Lighted Actuator, SPDT, NO-NC

PART NUMBER CONFIGURATION

SW -	PB1 -	1 -	A -	S -	A -	RW -	Y -	B1 -	Q -	1 -	1
SERIES	**TYPE**	**CONTACT FORM**	**SWITCH FUNCTION**	**FUNCTION**	**TERMINAL OPTION**	**LED TYPE / COLOR**	**SHAPE (PLUNGER OR ACTUATOR)**	**BUSHING**	**CONTACT MATERIAL**	**LED VOLTAGE**	**VERSION / STYLE**
SW= *Switch*	**PB1** = *Plastic Pushbutton* **PB2** = *Plastic Waterproof* **PB5** = *Industrial Switch* **PB7** = *Ant-Vandal Switch* **PB8** = *Snap Acting Switch* **PB9** = *Subminiature* **PB10** = *High Performance Sealed* **PB11** = *IP67 Front Panel Protection Illuminated*	**1** = *SPST* **2** = *SPDT* **3** = *DPST* **4** = *DPDT* **5** = *3PST* **6** = *3PDT* **7** = *SP3T*	**A** = *OFF-ON* **B** = *OFF-MOM* **C** = *ON-MOM* **D** = *ON-OFF* **E** = *1NO-1NC* **F** = *1NC* **G** = *2NO-2NC* **H** = *2NC* **J** = *ON-ON* **K** = *ON-(ON)*	**S** = *Momentary* **Z** = *Latching*	**A** = *Solder* **B** = *PCB Vertical* **C** = *PCB R/A* **D** = *Screw Lug* **E** = *QC .250" [6.35mm]* **F** = *QC .187" [4.80mm]*	*1st Letter is LED Type* **R** = *Ring Illuminated* **L** = *Laser Power Logo* **LR** = *Laser Power Logo + Ring* **LS** = *Lens Illuminated* **C** = *Custom Laser Symbol* **F** = *Full Illuminated* *2nd Letter is LED Color* **Blank** = *Standard Black* **SB** = *Small Black* **W** = *White* **R** = *Red* **G** = *Green* **Y** = *Yellow* **B** = *Blue* **O** = *Orange* **S** = *Silver* **RG** = *Red/Green* **RY** = *Red/Yellow* **RB** = *Red/Blue* **RW** = *Red/White* **GB** = *Green/Blue* **RGB** = *Red/Green/Blue* **RGY** = *Red/Green/Yellow* **RGW** = *Red/Green/White* **RBY** = *Red/Blue/Yellow* **RBW** = *Red/Blue/White*	**Y** = *Round* **F** = *Square* **J** = *Rectangle* **R** = *Emergency* **M** = *Mushroom* **X** = *Rotary Type* **K** = *Key Type* **H** = *Hexagonal*	*See datasheets*	**Q** = *Silver* **P** = *Silver (Tin Plated Terminals* **R** = *Gold* **K** = *Gold (Tin Plate Terminals)* **G** = *Silver (Gold Plated Terminals)*	**1** = *3V* **2** = *6V* **3** = *12V* **4** = *24V* **5** = *48V* **6** = *110V* **7** = *220V*	*See datasheets*

PART NUMBER	PUSHBUTTON SWITCH TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	ACTUATOR TYPE	LED LIGHTED ACTUATOR	CAP	PRODUCT DATA
SW-PB1-1BS-A-PK1-X	Plastic Pushbutton	Solder Type	SPST	OFF-Momentary	Round Plunger			View
SW-PB1-1XX-A-P1-X	Plastic Pushbutton	Solder Type	SPST	ON-OFF Latching or OFF-ON Momentary	Round Button			View
SW-PB10-AAA1QE-4	IP68 High Performance Sealed Pushbutton	Solder Type	SPDT	ON-ON	Round Plunger			View
SW-PB10-AAA2QE-4	IP68 High Performance Sealed Pushbutton	PCB Tails	SPDT	ON-ON	Round Plunger			View
SW-PB10-BAA1QE-4	IP68 High Performance Sealed Pushbutton	Solder Type	DPDT	ON-ON	Round Plunger			View
SW-PB10-BAA2QE-4	IP68 High Performance Sealed Pushbutton	PCB Tails	DPDT	ON-ON	Round Plunger			View
SW-PB10-CBB2QE-4	IP68 High Performance Sealed Pushbutton	PCB Tails	SPDT	ON-Momentary	Round Button			View
SW-PB10-DBB2QE-4	IP68 High Performance Sealed Pushbutton	PCB Tails	DPDT	ON-Momentary	Round Button			View
SW-PB11-1CSX-10	IP67 Sealed Anti-Vandal Pushbutton	Solder Type	SPST	OFF-Momentary	Round Button		Yes	View
SW-PB11-2CSXX-10	IP67 Sealed Anti-Vandal Pushbutton	Solder Type	SPST	OFF-Momentary	Round Button	Yes	Yes	View
SW-PB11-4CSXX-10	IP67 Sealed Anti-Vandal Pushbutton	Solder Type	SPST	OFF-ON	Round Button	Yes	Yes	View
SW-PB2-2EX-A-L1	Plastic Waterproof Pushbutton	Solder Type	SPDT	1NO-1NC (Momentary or Latching)	Round Button			View
SW-PB2-2EX-A-L1A	Plastic Waterproof Pushbutton	Solder Type	SPDT	1NO-1NC (Momentary or Latching)	Round Button			View
SW-PB2-2EX-A-RX-X-L1	Plastic Waterproof Pushbutton	Solder Type	SPDT	1NO-1NC (Momentary or Latching)	Round Button	Yes		View
SW-PB2-2EX-A-RX-X-L1A	Plastic Waterproof Pushbutton	Solder Type	SPDT	1NO-1NC (Momentary or Latching)	Round Button	Yes		View
SW-PB5-AA2BX1X-IP40-8	IP40 Industrial Pushbutton	Solder Type	SPDT	NO-NC Momentary	Round Button	Yes		View
SW-PB5-AA3BX1X-IP40-8	IP40 Industrial Pushbutton	Solder Type	SPDT	NO-NC Momentary	Round Button	Yes		View
SW-PB5-AB3BX1X-IP40-8	IP40 Industrial Pushbutton	Solder Type	SPDT	NO-NC Momentary	Square Button	Yes		View
SW-PB7-01B32BFM	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-Momentary	Round Button			View
SW-PB7-01B32BRM	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-Momentary	Round Button			View
SW-PB7-01LB42BFRXXXXM	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-Momentary	Round Button	Yes		View
SW-PB7-01PB4EBRXM	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-Momentary	Round Button			View
SW-PB7-03LB22CFPXXXXX	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPDT	NO-NC	Round Button	Yes		View
SW-PB7-03LB22CFRXXXXX	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPDT	NO-NC	Round Button	Yes		View
SW-PB7-03LB32DFRXXXX	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPDT	NO-NC	Round Button	Yes		View
SW-PB7-03LB5CFRXXXXX	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPDT	NO-NC	Round Button	Yes		View
SW-PB7-04B42AR	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Latching	Round Button			View
SW-PB7-04B4WAR	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Latching	Round Button			View
SW-PB7-04MB42ARM	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Momentary	Round Button			View
SW-PB7-04MB4WARM	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Momentary	Round Button			View
SW-PB7-05B22FR	Anti-Vandal Pushbutton (IP65 or IP67)	.187" QC	SPST	Momentary or Latching	Round Button			View
SW-PB7-06B22FF	High Current Anti-Vandal Pushbutton (Right Angle)	.187" QC	SPDT	ON-ON Latching	Round Button			View
SW-PB7-06LB22FFPXXXXX	High Current Anti-Vandal Pushbutton (Right Angle)	.187" QC	SPDT	ON-ON Latching	Round Button	Yes		View
SW-PB7-06LB22FFRXXXXX	High Current Anti-Vandal Pushbutton (Right Angle)	.187" QC	SPDT	ON-ON Latching	Round Button	Yes		View
SW-PB7-07LB42CRRXXXXX	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-ON	Round Button	Yes		View
SW-PB7-1S-D-G1	Anti-Vandal Pushbutton (IP65 or IP67)	Screw Lug	SPST	Momentary	Round Button			View
SW-PB7-1X-A-LRX-H-X-G2A	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Momentary or Latching	Round Button	Yes		View
SW-PB7-1X-A-RX-H-X-G2A	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Momentary or Latching	Round Button	Yes		View
SW-PB7-1Z-A-RX-H-X-G2	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	ON-OFF	Round Button	Yes		View
SW-PB8-AA00A1GE-2	IP68 Sealed Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AA00A1QE-3	Alternate Acting Pushbutton	Solder Type	SPDT	ON-ON	Round Plunger			View
SW-PB8-AA00A2GE-2	IP68 Sealed Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AA00A2QE-3	Alternate Acting Pushbutton	PCB Type	SPDT	ON-ON	Round Plunger			View

PART NUMBER	PUSHBUTTON SWITCH TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	ACTUATOR TYPE	LED LIGHTED ACTUATOR	CAP	PRODUCT DATA
SW-PB8-AA00B11GE-2	IP68 Sealed Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AA00B1GE-2	IP68 Sealed Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AA00B2GE-2	IP68 Sealed Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AA12B1GE-2	IP68 Sealed Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AA22A1QE-3	Alternate Acting Pushbutton	Solder Type	SPDT	ON-ON	Round Plunger		Yes	View
SW-PB8-AA22A2QE-3	Alternate Acting Pushbutton	PCB Type	SPDT	ON-ON	Round Plunger		Yes	View
SW-PB8-AB00A1QE-1	Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AB00A2QE-1	Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AB00B10QE-1	Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AB00B6QE-1	Snap-Acting Pushbutton	PCB Type (Right Angle)	SPDT	ON-Momentary	Round Plunger			View
SW-PB8-AB12A1QE-1	Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger		Yes	View
SW-PB8-AE221QE-1	Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Square Button			View
SW-PB8-AE222QE-1	Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Square Button			View
SW-PB8-BA00A1QE-3	Alternate Acting Pushbutton	Solder Type	DPDT	ON-ON	Round Plunger			View
SW-PB8-BA00A2QE-3	Alternate Acting Pushbutton	PCB Type	DPDT	ON-ON	Round Plunger			View
SW-PB8-BA00B1GE-2D	IP68 Sealed Snap-Acting Pushbutton	Solder Type	DPDT	ON-Momentary	Round Plunger			View
SW-PB8-BA00B2GE-2D	IP68 Sealed Snap-Acting Pushbutton	PCB Type	DPDT	ON-Momentary	Round Plunger			View
SW-PB8-BB00A1QE-1	Snap-Acting Pushbutton	Solder Type	DPDT	ON-Momentary	Round Plunger			View
SW-PB8-BB00A2QE-1	Snap-Acting Pushbutton	PCB Type	DPDT	ON-Momentary	Round Plunger			View
SW-PB8-BB00B10QE-1	Snap-Acting Pushbutton	PCB Type	DPDT	ON-Momentary	Round Plunger			View
SW-PB8-BB00B6QE-1	Snap-Acting Pushbutton	PCB Type (Right Angle)	DPDT	ON-Momentary	Round Plunger			View
SW-PB8-BB12A1QE-1	Snap-Acting Pushbutton	Solder Type	DPDT	ON-Momentary	Round Plunger		Yes	View
SW-PB8-BE221QE-1	Snap-Acting Pushbutton	Solder Type	DPDT	ON-Momentary	Square Button			View
SW-PB8-BE222QE-1	Snap-Acting Pushbutton	PCB Type	DPDT	ON-Momentary	Square Button			View
SW-PB9-AA00AQE-5	Subminiature Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB9-AA00BQE-5	Subminiature Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB9-AAB00A1RE-6	IP67 Sealed Subminiature Pushbutton	PCB Tails	SPDT	ON-Momentary	Round Plunger			View
SW-PB9-AAB00A2RE-6	IP67 Sealed Subminiature Pushbutton	PCB Tails (Right Angle)	SPDT	ON-Momentary	Round Plunger			View
SW-PB9-AB00AQE-5	Subminiature Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB9-AB00BQE-5	Subminiature Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			View
SW-PB9-ABA1RE-7	IP67 Sealed Subminiature Pushbutton	Surface Mount (Right Angle)	SPDT	ON-Momentary	Round Plunger			View
SW-PB9-ABA2RE-7	IP67 Sealed Subminiature Pushbutton	Surface Mount (Right Angle)	SPDT	ON-Momentary	Round Plunger			View
SW-PB9-BA00AQE-5	Subminiature Pushbutton	Solder Type	SPST	OFF-Momentary	Round Plunger			View
SW-PB9-BA00BQE-5	Subminiature Pushbutton	PCB Type	SPST	OFF-Momentary	Round Plunger			View
SW-PB9-BB00AQE-5	Subminiature Pushbutton	Solder Type	SPST	OFF-Momentary	Round Plunger			View
SW-PB9-BB00BQE-5	Subminiature Pushbutton	PCB Type	SPST	OFF-Momentary	Round Plunger			View
SW-PB9-BBA1RE-7	IP67 Sealed Subminiature Pushbutton	Surface Mount (Right Angle)	SPST	OFF-Momentary	Round Plunger			View
SW-PB9-BBA2RE-7	IP67 Sealed Subminiature Pushbutton	Surface Mount (Right Angle)	SPST	OFF-Momentary	Round Plunger			View

Electric Vehicle Charging Cables

STANDARD ELECTRIC VEHICLE CHARGING CABLES

Adam Tech's EV Charging Cables provide a durable and efficient solution to electric vehicle charging. Both Type 1 and Type 2 plugs are available to meet multiple EV charging needs. Equipped with cable lengths of 3 and 5 meters, vehicles can be charged from a variety of distances. In addition, all Adam Tech EV chargers are TUV safety approved. Adam Tech is committed to providing reliable and cost-effective charging solutions to the growing electric vehicle industry.

FEATURES & SPECIFICATIONS

FEATURES

Charge electric vehicles
Cable length: 3m [9.84 ft.] and 5m [16.4 ft.]
Type 1 plug according to SAE J1772-2017 standard
Type 2 plug according to IEC62196-1 2014 and IEC62196-2 2017 standards
Glass reinforced thermoplastic insulator, UL 94V-0
Waterproof grade: IP54 or IP55
Current rating: 16A or 32A
Voltage rating: 120 VAC – 480 VAC
Operating temperature: -30°C to +50°C
High reliability design
TUV certified
RoHS compliant

PACKAGING:

Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:

UL and TUV

SPECIFICATIONS:

Material:
Standard insulator: PC or PC+PA66
Insulator Color: Black or White
Contacts: Copper Alloy
Contact Plating: Silver

Electrical:
Operating Voltage: 120 VAC – 480 VAC
Current Rating: 16A or 32A
Contact Resistance: 0.5 mohms max.
Insulation Resistance: 1,000 Mohms min. @ 500VDC
Dielectric Withstanding Voltage: 2,000V AC

Mechanical:
Insertion force: Up to <100 N
Withdrawal force: Up to <100 N
Durability: 10,000 Cycles

Temperature Ratings:
Operating Temperature: -30°C to 50°C

PART NUMBER	PLUG TYPE	AMP	PHASE	PRODUCT DATA
CA #EV01AT-002-XM	Type 1 Female	16A	1 Phase	View
CA #EV01AT-003-XM	Type 1 Female	16A	1 Phase	View
CA #EV01BT-002-XM	Type 1 Female	32A	1 Phase	View
CA #EV02AT-003-XM	Type 2 Male	16A	1 Phase	View
CA #EV02AT-004-XM	Type 2 Male	16A	3 Phase	View
CA #EV02BT-003-XM	Type 2 Male	32A	1 Phase	View
CA #EV02BT-004-XM	Type 2 Male	32A	3 Phase	View
CA #EV03AT-003-XM	Type 2 Female	16A	1 Phase	View
CA #EV03AT-004-XM	Type 2 Female	16A	3 Phase	View
CA #EV03BT-003-XM	Type 2 Female	32A	1 Phase	View
CA #EV03BT-004-XM	Type 2 Female	32A	3 Phase	View

EV CONNECTOR PART NUMBER CONFIGURATION

EV -	PM -	A -	1P -	16A -	240V -	XXX
SERIES	CONNECTOR STYLE, CONTACT TYPE	SAFETY AGENCY APPROVAL TYPE	PHASE TYPE	CURRENT TYPE	VOLTAGE TYPE	SERIAL NUMBER
EV = *EV CHARGER*	*1st Characters for Connector Style* **P**= *Plug Connector* **S** =*Socket Connector* *2nd Character for Contact Type* **M** = *Male Contact* **F** = *Female Contact*	**A**= *Type 1 (US)* **B**= *Type 2 (EU)*	**1P**= *1 PHASE* **3P**= *3 PHASE*	**16A**= *16AMP* **32A**= *32AMP* **40A**= *40AMP* **50A**= *50AMP* **63A**= *63AMP*	**240V**= *240VAC* **415V**= *415VAC* **250V**= *250VAC* **480V**= *480VAC*	**001** **002** **003** **004** **...**

EV CABLE PART NUMBER CONFIGURATION

CA #EV -	01 -	A -	U -	XXX -	1M
SERIES	CONNECTOR STYLE, CONTACT TYPE	CABLE TYPE	SAFETY AGENCY APPROVAL TYPE	SERIAL NUMBER	CABLE LENGTH
CA #EV = *Cable Assembly EV Charger*	**01**= *Type 1 Female Plug* **02**= *Type 2 Male Plug* **03**= *Type 2 Female Plug* **04**= *Type 1 Female Plug-Type 2 Male Plug* **05**= *Type 2 Male Plug-Type 2 Female Plug* **06**= *Type 1 Male Socket* **07**= *Type 2 Female Socket* **08**= *Type 2 Male Socket*	**A**= *2.5mm²* **B**= *6 mm²* **C**= *10 mm²* **D**= *16 mm²* **E**= *13.3 mm²* **F**= *50 mm²* **G**= *35 mm²* **H**= *70 mm²* **J**= *1.0mm²*	**U**= *UL* **T**= *TUV* **X**= *N/A* **C**= *CE*	**001** **002** **003** **004** **...**	**1M**= *1000mm* **5M**= *5000mm* **1.5M**= *1500mm*

OPTIONS

Add designator(s) to end of part number
HLR = *HOLDER*

Electric Vehicle Charging Cables

NACS ELECTRIC VEHICLE CHARGING CABLES

NACS (North American Charging Standard) Electric Vehicle Charging Cables, originally developed by Tesla, are quickly becoming the most widely used EV chargers on the market. Currently the most common charging standard in North America, they boast numerous safety mechanisms, such as heat reduction, to ensure safe and reliable charging for customers. In addition to these benefits, Adam Tech's NACS chargers support AC charging, with DC charging versions in development, as well as options for cable length, current rating, and thermistors.

FEATURES & SPECIFICATIONS

FEATURES:

Charges Tesla vehicles and other cross-manufacturers standardized for NACS
Meets SAE J3400 standards for highest compatibility.
UL 2251 certified
Produced in IATF 16949 facility
IP67 waterproof when plugged in
Added thermistor temperature sensor technology for additional heat protection.
Standard cable length options: 3m [9.84 ft.], 4m [13.12 ft.], 5m [16.4 ft.].
Custom cable assembly solutions
Highly durable glass reinforced thermoplastic insulator, UL 94V-0 rated
Robust pin touch protection for added safety, meeting IP2XB degree of protection
Ergonomic handle for ease of use
AC charging (DC charging options in development)

SPECIFICATIONS:

Material:
Insulator: (PC) Thermoplastic, rated UL94V-0
Insulator color: Black
Contacts: Copper alloy, silver plated surface

Electrical:
Voltage rating: 240VAC
Current rating: 16A, 32A, 40A and 48A
Resistance: R6 150Ω R7 330Ω (PCBA)
Dielectric withstanding voltage: 2000 or 2500VDC

Mechanical:
Durability: >10,000 cycles
Insertion and extraction force: <100N

Temperature Rating:
Operating temperature range: -40°C to +55°C

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. BBTH2-E537617

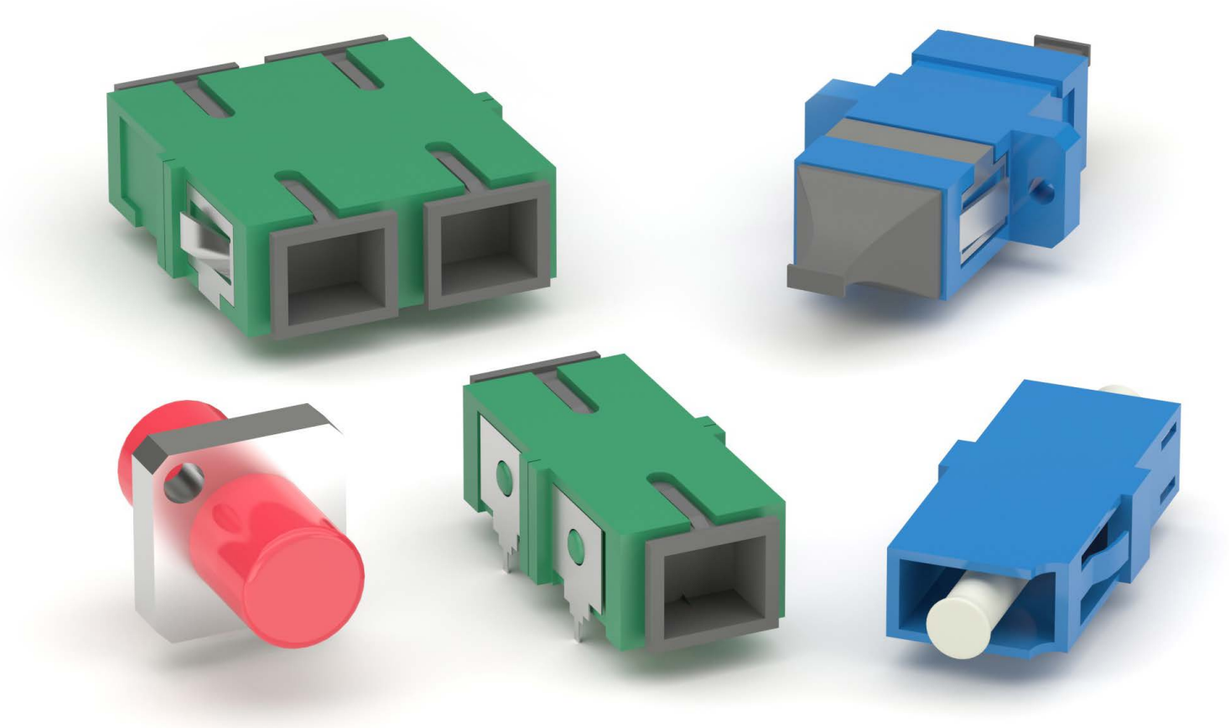
NACS EV PART NUMBER CONFIGURATION

CA #EV	-	AC	-	40A	S	-	T	-	1M
SERIES		**VOLTAGE**		**CURRENT RATING**	**EV CABLE TYPE**		**THERMISTOR OPTION**		**CABLE LENGTH**
CA #EV = *Cable Assembly EV Charger*		**AC** = *AC (Alternating Current)*		**16A** = *16 Amps* **32A** = *32 Amps* **40A** = *40 Amps* **48A** = *48 Amps*	**S** = *Standard*		**T** = *Thermistor* **Blank** = *No Thermistors*		**1M** = *1000mm* **5M** = *5000mm* **1.5M** = *1500mm* **6.1M** = *6100mm*

PART NUMBER	AMP	THERMISTOR	PRODUCT DATA
CA #EV-AC-16AS-T-XM	16	Yes	View
CA #EV-AC-16AS-XM	16	No	View
CA #EV-AC-32AS-T-XM	32	Yes	View
CA #EV-AC-32AS-XM	32	No	View
CA #EV-AC-40AS-T-XM	40	Yes	View
CA #EV-AC-40AS-XM	40	No	View
CA #EV-AC-48AS-T-XM	48	Yes	View
CA #EV-AC-48AS-XM	48	No	View

Fiber Optic Adapters

Adam Tech's Fiber Optic Adapters properly align the individual fibers of two patch cables during the mating process, ensuring reliable connections in optical communication systems. These adapters enable multiple devices to communicate simultaneously. Adam Tech's broad offering includes APC, FC, LC, MPO, PC, and SC adapters. Simplex, duplex, 4-plex, and 8-plex adapters are available to connect various quantities of fibers.



FEATURES & SPECIFICATIONS

FEATURES:
APC, FC, LC, MPO, PC, and SC
Simplex, duplex, 4-plex, and 8-plex
Long-ears and short-ears
Panel mount option
UL 94V-0 rated housings
Various colors
Dust caps

SPECIFICATIONS:

Material:
Housing: PBT or PEI, rated UL 94-V 0
Cap: PBT or PP, rated UL 94-V 0
Sleeve: Zirconia Ceramic

Electrical:
Standards of IEC, EIA/TIA, Telcordia; or IEC 61754-20, YD/T 1272.1-2003
Repeatability: 500 cycles min
Insertion loss range: 0.2 to 0.3dB max
Interchangeability range: 0.2 to 0.3dB max

TEMPERATURE RATING:
Operating temperature range: -40°C to +85°C

PART NUMBER	ADAPTER TYPE	VERSION	PRODUCT DATA
CA #OPLN2PNNC1NSR	LC Adapter Plug Cable Assembly	Duplex	View
CA #OPSN1PNNC1NSR-C1	SC Adapter Plug Cable Assembly	Simplex	View
OPFN1ANNC1XNB	FC Square Adapter	Simplex	View
OPLB4SBNNC1NA	LC/PC Adapter	4-Plex	View
OPLB8SBNNC1NA	LC/PC Adapter	8-Plex	View
OPLX1BNNC1NA	LC/PC Adapter	Simplex	View
OPLX2ANNC1XA	LC Adapter	Duplex	View
OPLX2BNNC1XA	LC Adapter	Duplex	View
OPLX4ANNC1XA	LC/PC Adapter	4-Plex	View
OPMX1ANNC1XC	MPO Adapter	Simplex	View
OPMX1BNNC1XC	MPO Adapter	Simplex	View
OPSB1ANNC1N1T3	SC/PC Adapter	Simplex	View
OPSLN1ANNC1P2A	SC/LC Adapter	Simplex	View
OPSX1ANNC1X1	SC/PC Adapter	Simplex	View
OPSX1ANNC2X2	SC/APC Adapter	Simplex	View
OPSX1ASNC1X1	SC/APC Adapter	Simplex	View
OPSX1ASNC1X4	SC/APC Adapter	Simplex	View
OPSX1BNPC1N1	SC/APC Adapter	Simplex	View
OPSX1BNSC1NX	SC/APC Adapter	Simplex	View
OPSX1BSNC1X1	SC/APC Adapter	Simplex	View
OPSX1DNNC1NX	SC/APC Adapter	Simplex	View
OPSX2ANNC1XX	SC/PC Adapter	Duplex	View
OPSX2BNNC1X1	SC/APC Adapter	Duplex	View

PART NUMBER CONFIGURATION

OPS	A	1	A	S	S	C1	P
SERIES	**COLOR DEFINITION & MEANING**	**NO OF PORTS**	**TYPE**	**FORMING TYPE**	**PIN TYPE**	**SERIAL NUMBER**	**FORMING TYPE**
OPS = *Optical SC Adapters* **OPL** = *Optical LC Adapters* **OPF** = *Optical FC Adapters* **OPM** = *Optical MPO Adapters*	**A** = *Green -APC* **B** = *Blue -PC / UPC* **C** = *Beige-MM* **D** = *Water blue- MO3* **E** = *Pink- OM4* **F** = *Red- OM5* **G** = *Black*	**1, 2,.....** **4S (SQ)...**	**P** = *PLUG* **A** = *long-eared* **B** = *Short ears* **C** = *No ears* **D** = *Buckles type diameter 3.00* **E** = *Buckles type diameter 4.40* *FC SERIES* **A** = *square With positioning hole adapters* **B** = *rectangle with positioning hole adapters* **C** = *square no positioning hole adapters*	**S** = *Solid Block* **N** = *Not Solid Block*	**S** = *soldering Pin* **P** = *Press Fit Pin* **N** = *No Pin*	**C1** **C2** **C3** . . .	**P** = *Panel Ground Tabs* **N** = *Not Panel Ground Tabs*

OPTIONS

Add designator(s) to end of part number
1 = *SC Two type dust cap*
2 = *SC Cucurbit type dust cap*
3= *SC Cucurbit type dust cap--No positioning bar*
4 = *SC small handle dust cap*
5 = *SC long handle dust cap*
6 = *SC twin-core dust cap*
7 = *SC Cucurbit type dust cap--soft*
8 = *SC Cucurbit type dust cap—green*
9 = *SC Cucurbit type dust cap—blue*
A = *LC dust cap*
B = *FC dust cap*
C = *MPO dust cap*

CA_OPLN2PNNC1NSR

OPLB8SBNNC1NA

OPSX1ANNC2X2

OPSB1ANNC1N1T3

OPSX2ANNC1XX

FAKRA Connectors

Adam Tech FAKRA Connectors are SMB based automotive-grade connectors that can operate up to 6 GHz. These connectors are embedded within a special color-code plastic housing that contain a locking feature with an audible clicking noise which confirms the connection. We offer our FAKRA series in Standard, High Speed Data and Mini styles. Each style comes with a range of configurability options to choose the appropriate keying for your application.

FEATURES & SPECIFICATIONS

FEATURES

MATING CONNECTORS:

PACKAGING:
Anti-ESD plastic trays or tubes

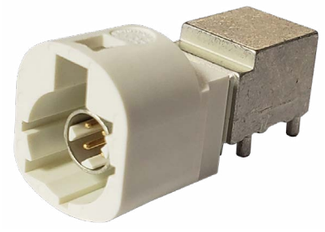
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

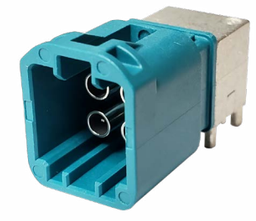
Material:
Standard insulator: PA66 + 30% Glass Filled or PTFE
Insulator Color: Varies depending on choice of key
Contacts: Brass
Body: Brass
Contact Plating: Gold over nickel

Electrical:
Frequency Range: DC~4 Ghz
Nominal Impedance: 50 ohms
Withstanding Voltage: 335 V
Insulator Resistance: 1000 mohms
Contact Resistance: 6 mohms max (Center contact)
1 mohms max (Outer contact)

Temperature Ratings:
Operating Temperature: -40C to +85C



High Speed Data FAKRA, B Code, Plug, PCB Right Angle



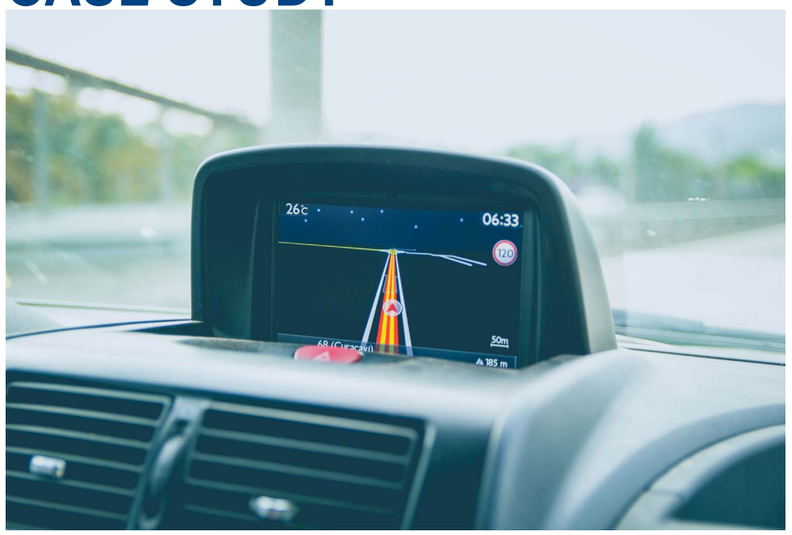
Mini FAKRA, Z Code, Plug, PCB Right Angle

FAKRA, E Code, SMB, Vertical Board Mount

PART NUMBER CONFIGURATION

RF	-	55	-	01X	-	D	-	01	-	50	-	G
SERIES		**STYLE**		**TYPE**		**INSULATOR MATERIAL**		**CABLE TYPE OR APPLICATION**		**IMPEDENCE**		**OPTIONS**
RF = *RF Connector*		**55** = *FAKRA*		**01** *thru* **80** *CODE* **A, B, C, D, E, F, G, H, I, K, L, M, N, Z** *(refer to color-code chart on page 21)*		**T** = *Teflon, PTFE* **T** = *TPEE* **D** = *Delrin, POE, POM* **P** = *Polypropylene, PP* **L** = *LCP* **A** = *ABS* **Y** = *NYLON*		**00** = *PCB Mount* **01** = *55U/58/58A/58C/140U/141/141A/142U/223U/303* **02** = *174U/188A/316U/RTK031* **03** = *179U/187U* **04** = *59/59A/59B/62/62AU/62B/62C/210* **05** = *RG 6/U* **06** = *RG 213/U* **07** = *.141-Semi-Rigid* **08** = *.085/.086-Semi-Rigid/RG113 (COAX)* **09** = *1.13mm or 1.32 mm* **12** = *213* **17** = *夾板式* **18** = *734A* **21** = *178/178U/1.37mm/1.48mm* **25** = *LMR400/RG405* **26** = *RG 11/U* **AS** = *Adapter or Splitter*		**50** = *50 Ohms* **75** = *75 Ohms*		*Add designator(s) to end of part number* **G** = *Gold plated body and contact* **T/R** = *Tape and reel packaging* **M** = *Metal Body* **HDW** = *Hardware*

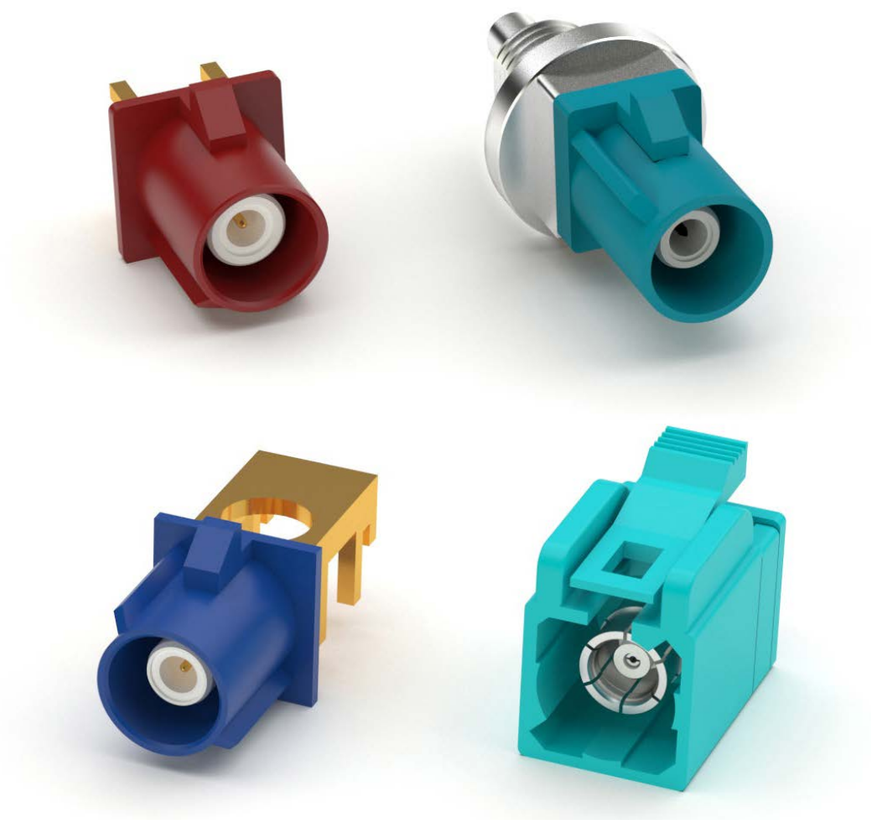
CASE STUDY



FAKRA Connectors are utilized throughout automotive vehicles. These connectors and cables transmit data for applications such as GPS navigation, Bluetooth, keyless entry, and climate control.

Standard FAKRA Connectors

Adam Tech FAKRA Connectors (Fachkreis Automobil, a German standard) are SMB based automotive-grade connectors that can operate up to 6 GHz. These connectors are embedded within a special color-code plastic housing that contain a locking feature with an audible clicking noise which confirms the connection.



FEATURES & SPECIFICATIONS

FEATURES:
SMA and SMB
Jacks and plugs
Color codes: A through N, and Z
4 GHz frequency
Contact and shield termination: crimp or solder
Mounting type: free-hanging, panel mount, or through-hole
Vertical, right angle, or cable mount
Fastening type: latch lock or locking ramp
Bulkhead nut mounting feature
IP67 waterproof connectors
Coaxial cable options such as RG-174 and RG-316

SPECIFICATIONS:

Material:
Shell: PA66
Insulator: PTFE
Body: Brass, nickel or gold plated
Pin: Phosphor bronze, brass, or beryllium copper

Contact Plating:
Pin: Gold plated

Electrical:
DC~4 GHz
Nominal impedance: 50 ohms
Withstanding voltage: 335 V
Insulator resistance: 1000 MΩ
Contact resistance: 6 mΩ center contact and 1 mΩ outer contact

TEMPERATURE RATING:
Operating temperature range: -40°C to +85°C

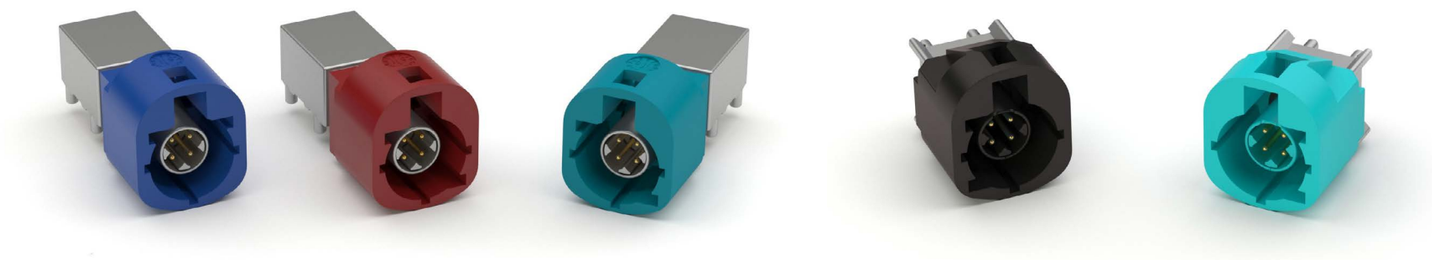
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PART NUMBER	TYPE	WATERPROOF	PRODUCT DATA
RF55-23X-T-00-50-G-X-SH	SMB - Right Angle Board Mount		View
RF55-24X-T-09-50-X-SH	SMA Bulkhead - Cable Mount	IP67	View
RF55-25X-T-00-50-G-SH	SMB - Vertical Board Mount - Tall Body		View
RF55-26X-T-09-50-X-SH	SMA Bulkhead - Cable Mount	IP67	View
RF55-27X-T-02-50-X-SH	SMB - Cable Mount for Panel - Straight		View
RF55-28X-T-00-50-G-SH	SMB - Vertical Board Mount - Standard Body		View
RF55-29X-T-00-50-G-SH	SMB - Vertical Board Mount - Standard Body		View
RF55-30X-T-00-50-G-SH	SMB - Vertical Board Mount - Standard Body		View
RF55-31X-T-02-50-X-SH	SMB - Cable Mount for Panel - Straight		View
RF55-32X-T-00-50-X-SH	SMB - Right Angle Board Mount- Short Body		View
RF55-33X-T-00-50-X-SH	SMB - Right Angle Board Mount		View
RF55-34X-T-02-50-SH	SMB - Cable Mount for Panel - Straight		View

Code (X)	Applications	Color/RAL
A	Radio without phantom supply	Jet Black / 9005
B	Radio with phantom supply	Cream White / 9001
C	GPS: telematics or navigation	Signal Blue / 5005
D	GSM	Claret Violet / 4004
E	TV1 / SDARS	Leaf Green / 6002
F	TV2 / SDARS	Nut Brown / 8011
G	Remote keyless entry	Blue Gray / 7031
H	GPS: telematics and navigation	Heather Violet / 4003
J	Bluetooth / controlled parking / heating	Beige / 1001
K	Radio with IF	Curry / 1027
L	Not defined	Yellow Green / 6018
M	Not defined	Pastel Orange / 2003
O	Not defined	Light Green / 6027
Z	Neutral coding	Water Blue / 5021

High Speed Data (HSD) FAKRA Connectors

Adam Tech enhances its FAKRA (Fachkreis Automobil) series with its High Speed Data FAKRA connectors. One pin FAKRA connectors are no longer adequate for applications that require higher data transmission rates. HSD FAKRA four pin connectors meet those demands with their 100 ohm impedance-controlled system, offering high speeds and top-quality signal transmission. These high speed connectors are designed to satisfy RF requirements in various telematic and multimedia applications. They provide high performance, cost effective RF interface to FAKRA and USCAR standards. Their SMB based design includes multiple color-coded plastic housings to ensure accurate connections, as well as to meet automotive specifications. Adam Tech's HSD FAKRA connectors are ideal for automotive applications and are designed to meet the operational and environmental requirements of Satellite Digital Audio Radio Service (SDARS), Global System for Mobile Communications (GSM), and Global Positioning System (GPS).



FEATURES AND BENEFITS:

High speed data transmission rates up to 6 Gbps
Frequency: DC up to 2.0 GHz
100 ohm differential impedance
4 pins
Color-coded mechanical layouts
Locking feature
Selective gold plating
Shielded for EMI/RFI protection
Multiple connector configurations including straight, right angle, and cable mount
RoHS compliant

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

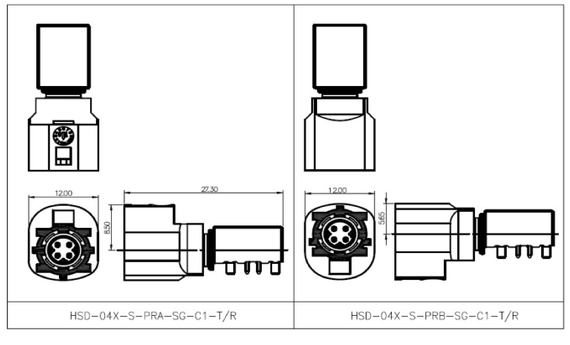
PART NUMBER CONFIGURATION

HSD	- 04X	- S	- PS	- SG	- C1	- T/R
SERIES	**POSITIONS+CODE**	**PORTS**	**CONTACT TYPE & MOUNTING ANGLE**	**CONTACT PLATING**	**TYPE**	**PACKING**
HSD *= HSD Connector*	*PIN =* **04** *CODE* **A** *= BLACK* **B** *= WHITE* **C** *= BLUE* **D** *= BORDEAUX* **E** *= GREEN* **F** *= BROWN* **Z** *= WATER BLUE*	**S** *= SINGLE PORT* **D** *= DUAL PORT*	**PT** *= Plug, Straight PCB* **PR** *= Plug, Right Angle PCB* **PS** *= Plug, SMT* **PD** *= Plug, Solder Type (Cable)* **ST** *= Socket, Straight PCB* **SR** *= Socket, Right Angle PCB* **SS** *= Socket, SMT* **SD** *= Socket, Solder Type (Cable)* **PPT** *= Plug Power, Straight PCB* **PPR** *= Plug Power, Right Angle PCB* **PPR1** *= Reverse Plug Power , Right Angle PCB* **PPS** *= Plug Power, SMT* **PPD** *= Plug Power Solder Type (Cable)* **SPT** *= Socket Power, Straight PCB* **SPR** *= Socket Power, Right Angle PCB* **SPS** *= Socket Power, SMT* **SPD** *= Socket Power Solder Type (Cable)*	**SG** *= Sel Gold Plated* **G** *= Gold* **SGM** *= Sel Gold Matte Tin Plated*	**C1,** **C2,** **C3,** **...CX**	**T/R** *= Tape Reel* **TY** *= Tray* **PT** *= Plastic Tube*

PART NUMBER	CONTACT TYPE & MOUNTING ORIENTATION	PRODUCT DATA
HSD-04X-S-PRX-SG-C1-TR	Plug, Right Angle PCB	View
HSD-04X-S-PT-SG-C1-TR	Plug, Straight PCB	View
HSD-04X-S-SD-SG-C4	Socket, Solder Type (Cable)	View

RIGHT ANGLE (EXAMPLE)

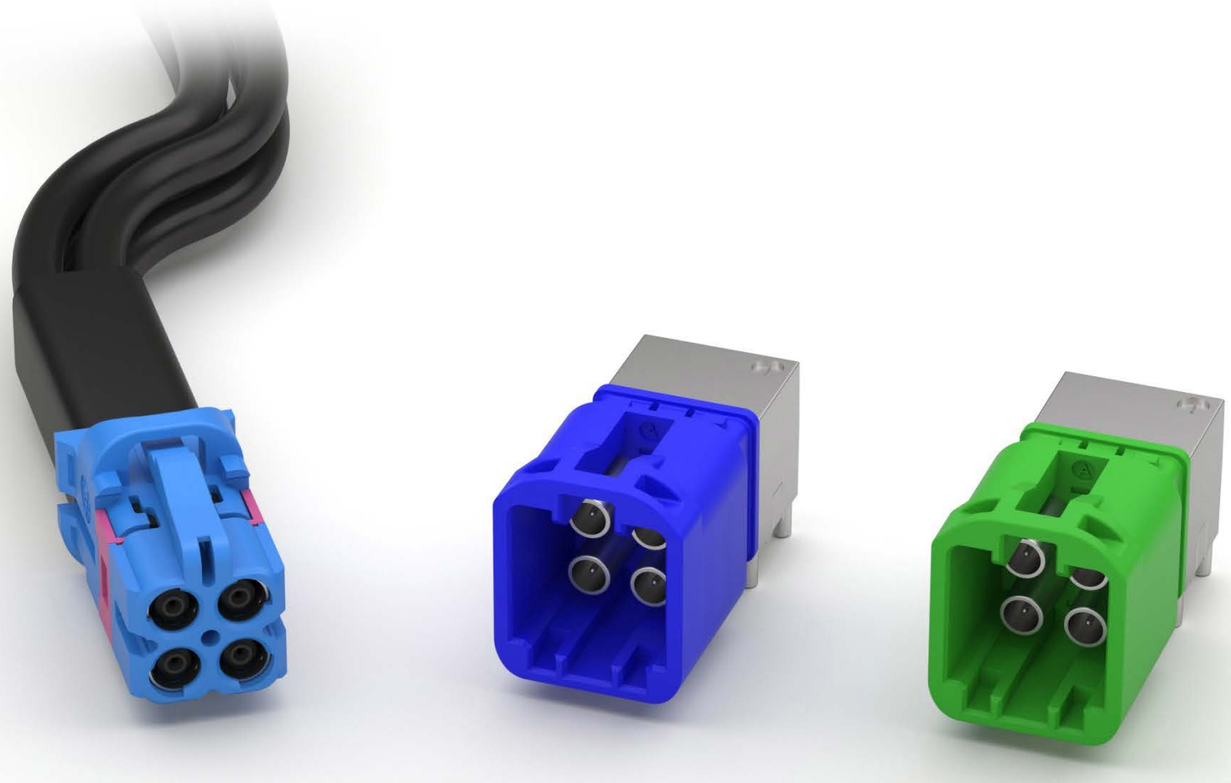
CODE *(UP/Down)*
PRX *Option*



Coding	Jack	Plug	Color / RAL-Nr. (similar)
A			Jet Black / 9005
B			Cream White / 9001
C			Signal Blue / 5005
D			Claret Violet / 4004
E			Leaf Green / 6002
F			Nut Brown / 8011
Z			Water Blue / 5021

Mini FAKRA Connectors

Adam Tech's High Speed Mini FAKRA Connectors and Cable Assemblies support the automotive industry with the next generation of coaxial technology. These products support data transmission rates up to 20 Gbps, and frequencies up to 9 GHz. Designed with space saving in mind, they require 80% less installation space than standard FAKRAs. Adam Tech's offering includes multiple color-coded board side plugs and double-ended mini FAKRA jack cable assemblies. Mini FAKRA to standard FAKRA cable assemblies are also available, bridging the gap between the two generations.



FEATURES AND BENEFITS:

FEATURES:
High speed data transmission rates up to 20 Gbps
Frequency: DC up to 9.0 GHz
Color coded mechanical layouts
Space saving design
Mini FAKRA cable to board connection system
Mini FAKRA to standard FAKRA capabilities
RoHS compliant

SPECIFICATIONS:

Material:
Insulator: Thermoplastic
Contacts: Brass
Shell: Zamak, tin plated

Contact Plating:
Contact area: 80 - 160u" silver plated
Solder tails: 80 - 160u" tin plated
Underplate: 40 - 160u" nickel underplate overall

Electrical:
Impedance: 50 Ohm
Frequency: DC to 9 GHz
Return loss: ≥ 17 dB to 6 GHz or ≥ 12 dB to 9 GHz
Insertion loss: ≤ 0.75 dB @ 9 GHz
Insulation resistance: 1000 MΩ

Mechanical:
Mating cycles: ≥ 25 cycles
Engagement force: ≤ 30N
Disengagement force: ≥ 60N

TEMPERATURE RATING:
Operating temperature range: -40°C to +105°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PART NUMBER	TYPE	VERSION	PRODUCT DATA
CA-AM01XJ-1FJX-XM	Mini FAKRA Jack (1x1) to Standard FAKRA Jack Cable	AM	View
CA-AM01XJ-AM01XJ-XM	Double-ended Mini FAKRA Jack Cable (1x1)	AM	View
CA-AM04XJ-AM04XJ-XM	Double-ended Mini FAKRA Jack Cable (2x2)	AM	View
CA-BM04XJ-4FJX-X	Mini FAKRA Jack (2x2) to Standard FAKRA Jacks Cable	BM	View
CA-BM04XJ-4FPX-0.3	Mini FAKRA Jack (2x2) to Standard FAKRA Plugs Cable	BM	View
CA-BM04XJ-BM04XJ-X	Double-ended Mini FAKRA Jack Cable (2x2)	BM	View
MHSD-01X-AM-PRX-TR	Mini FAKRA Plug (1x1)	AM	View
MHSD-04X-AM-PRX-TR	Mini FAKRA Plug (2x2)	AM	View
MHSD-04X-BM-PRX-TR	Mini FAKRA Plug (2x2)	BM	View

Audio Jacks & Plugs

STEREO & MONO EARPHONE JACKS

Adam Tech ASJ Series Stereo Jacks are a broad range of 2.5 and 3.5mm jacks used primarily in computer and multi-media audio applications. This series provides a multitude of sizes and configurations that are available in single or multiple switching forms. Options include choice of plastic or metal reinforced bodies, single, stacked and ganged versions or color-coded jacks for port identification.

FEATURES & SPECIFICATIONS

FEATURES:
Broad range of sizes and configurations
Single or Multiple switching functions
Plastic or Metal reinforced bodies
Ganged and Stacked versions
Color Coded option for Port Identification

MATING PLUGS:
All industry standard 2.50mm and 3.50mm mono or stereo plugs.

PACKAGING:
Anti-ESD plastic bags or Tape and Reel

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT or LCP, Glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Bushing: Brass, Nickel plated
Contacts: Copper alloy

Contact Plating:
Tin over Copper underplate

Electrical:
Operating voltage: 12V DC max.
Current rating: 1 Amp max.
Contact resistance: 30 mΩ max. initial
Insulation resistance: 100 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:
Insertion force: 4.4 lbs max.
Withdrawal force: 0.3 kg min
Mating durability: 5000 cycles min.

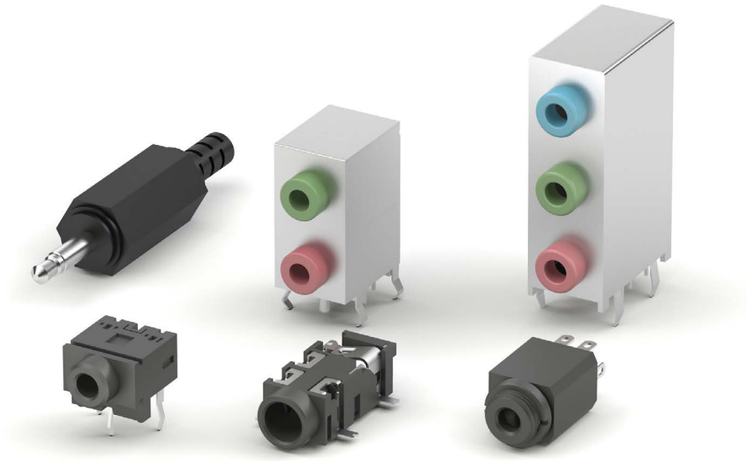
Temperature Rating:
Operating temperature: -25°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

ASJ	-	103	-	3	-	T/R
SERIES		**JACK TYPE**		**ENTRY ANGLE**		**OPTIONS:**
ASJ = *Stereo Jack*		*1, 5, 6, 7, 12, 15, 18, 37, 38, 40, 41, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113*		*(see website for individual schematics)*		*Add designator(s) to end of part number* **HT** = *Hi-Temp Nylon 6T insulator for Hi-Temp soldering processes up to 260°C* **T/R** = *Tape & Reel packaging*

PART NUMBER CONFIGURATION

ASP	-	2.5	-	S	-	SR
SERIES		**SIZE**		**CONFIGURATION**		**OPTIONS:**
ASP = *Audio Stereo Plug*		*2.5 = 2.5mm Dia* *3.5 = 3.5mm Dia* *6.3 = 6.35mm Dia* *6.35 = 6.35mm Dia*		**S** = *Stereo 2 Channel* **M** = *Mono* **S3** = *Stereo 3 Channel*		*Add designator(s) to end of part number* **SR** = *Strain Relief*



Audio Jacks

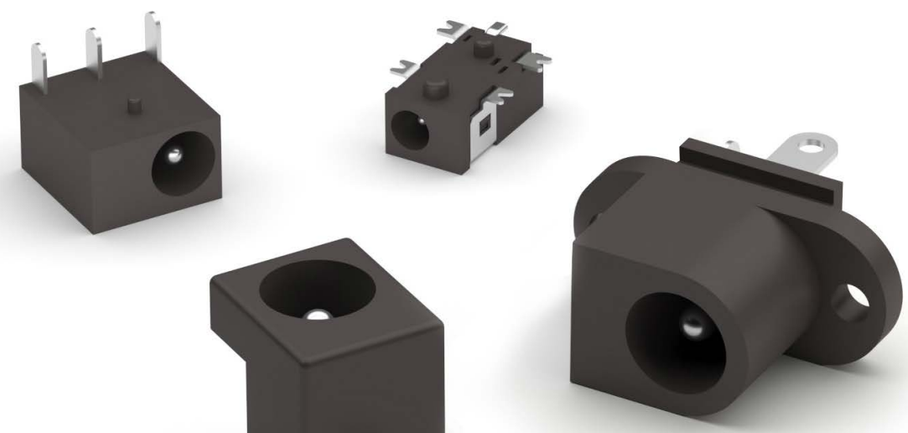
PART NUMBER	GENDER	SIZE	MOUNTING ORIENTATION	PORTS	OPTIONS	PRODUCT DATA
ASJ-1-X	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		View
ASJ-103-X-T/R	Receptacle	2.5mm	Right Angle Surface Mount	1 x 1		View
ASJ-106-X-G-T/R	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		View
ASJ-109-X	Receptacle	3.5mm	Vertical Through Hole	1 x 1		View
ASJ-112-X	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		View
ASJ-113-X	Receptacle	3.5mm	Vertical Through Hole	1 x 1		View
ASJ-125-3	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		View
ASJ-137-X-T/R	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		View
ASJ-145L-X-T/R	Receptacle	2.5mm	Right Angle Surface Mount	1 x 1		View
ASJ-165-M-G-HDW-X	Receptacle	3.5mm		1 x 1		View
ASJ-18-3-TR	Receptacle	2.5mm	Right Angle Surface Mount	1 x 1		View
ASJ-190-X	Receptacle	2.5mm	Right Angle Through Hole	1 x 1		View
ASJ-192-Y-T/R	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		View
ASJ-193B-L-T/R	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		View
ASJ-194-L-RD-30	Receptacle	3.5mm	Vertical Through Hole	1 x 1		View
ASJ-195-X-HT	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		View
ASJ-196-K-T/R	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		View
ASJ-197-U-HT	Receptacle	3.5mm	Vertical Through Hole	1 x 1		View
ASJ-198-Y-HT-T/R	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		View
ASJ-199-X-OF-HT	Receptacle	3.5mm	Right Angle Through Hole	1 x 1	Optical Fiber	View
ASJ-200-X-HT	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		View
ASJ-37S-XX	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		View
ASJ-6-XX	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		View
ASJ-99H-X-HT-TR	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		View

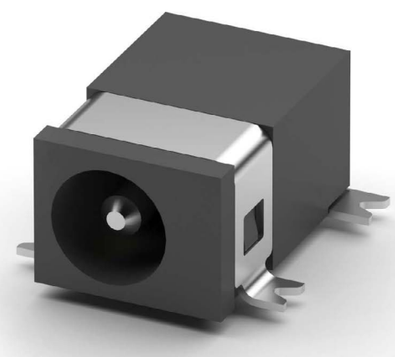
Audio Plugs

PART NUMBER	GENDER	SIZE	MOUNTING ORIENTATION	PORTS	OPTIONS	PRODUCT DATA
ASP-2.5-M	Plug (Mono)	2.5mm				View
ASP-2.5.-S-SR	Plug (Mono)	2.5mm				View
ASP-3.5-S	Plug (2 Channel)	3.5mm				View
ASP-3.5-S3-24.2	Plug (3 Channel)	3.5mm				View

DC Power Jacks & Plugs

Adam Tech's ADC Series is a complete line of miniature and sub-miniature jacks and plugs primarily used for the transmission of wall current transformed to DC power for detached and hand-held instruments. These DC power jacks and plugs are manufactured with a variety of center pin sizes for all standard applications, including 1.00mm, 1.30mm, 2.00mm and 2.50mm. Our contact is designed using a wide spring grade plated copper alloy for exceptional plug retention and low contact resistance.





FEATURES & SPECIFICATIONS

FEATURES:
Low Profile designs
Superior contact system
Exceptional plug retention
Choice of Center pin sizes
Hi Temp Versions
Hi Current Versions

MATING PLUGS:
All industry standard 1.00mm, 1.30mm, 2.00mm, 2.35mm and 2.50mm Plugs.

PACKAGING:
Anti-ESD plastic bags or Tape and Reel

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT Glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Center Pin: Brass, Nickel plated
Contacts: Copper alloy

Contact Plating:
Silver over nickel underplate

Electrical:
Operating voltage: 12V DC max.
Current rating: 1 Amp max.
Contact resistance: 30 mΩ max. initial
Insulation resistance: 50 MΩ min.
Dielectric withstanding voltage: 250V AC for 1 minute

Mechanical:
Insertion force: 3 kg max.
Withdrawal force: 0.3 kg min
Mating durability: 5000 cycles min.

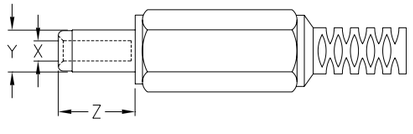
Temperature Rating:
Operating temperature: -25°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

JACK PART NUMBER CONFIGURATION

ADC	- 002	- 1	- RT
SERIES	**BODY STYLE**	**CENTER PIN DIAMETER**	**OPTIONS:**
ADC = *DC Power Jack* **ADC-H** = *DC Power Jack Hi-Current 5 Amp Version*	**001** *thru* **138**	**1** = *2.00mm* **2** = *2.50mm* **3** = *1.00mm* **4** = *1.30mm* **5** = *2.35mm* **8** = *0.7mm* **9** = *1.65mm*	**RT** = *PC Board Retention Feature (Type 007 & 009 only)* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **N** = *Notch option, (ADC-002 only)* **T/R** = *Tape and Reel Packaging*

PLUG PART NUMBER CONFIGURATION

ADP	- X/Y/Z	- SR
SERIES	**SIZE**	**OPTIONS:**
ADP = *DC Power Plug*	**X** = *I. D. /* **Y** = *O. D. /* **Z** = *Length*	**SR** = *Strain Relief* **M** = *Molding Type*



ADC-H-002-X-HT

ADP-.051/.138/.374-SR

DC Power Jacks

PART NUMBER	GENDER	CENTER PIN SIZE	MOUNTING ORIENTATION	OPTIONS	STYLE	PRODUCT DATA
ADC-002-X	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole			View
ADC-021-X-TR	Receptacle	Multiple Pin Size Options	Right Angle Surface Mount	Hi Temp Insulator		View
ADC-027-X-M8	Receptacle	Multiple Pin Size Options	Vertical Thru Hole		Panel Mount	View
ADC-028-1-T/R-PA10T	Receptacle	2.00mm	Right Angle Surface Mount			View
ADC-029S-X-HT-T/R	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Temp Insulator		View
ADC-033-X	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole			View
ADC-037-X-TR	Receptacle	Multiple Pin Size Options	Right Angle Surface Mount	Hi Temp Insulator		View
ADC-039-6	Receptacle	1.45mm	Right Angle Thru Hole			View
ADC-055B-9	Receptacle	1.65mm	Right Angle Thru Hole			View
ADC-070A-X-G-SMT-PPT-TR	Receptacle	Multiple Pin Size Options	Vertical Surface Mount	Pick and Place Tape		View
ADC-096-X-TR	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Temp Insulator		View
ADC-098-8	Receptacle	0.65mm	Right Angle Surface Mount			View
ADC-102-X-TR	Receptacle	Multiple Pin Size Options	Right Angle Surface Mount	Hi Temp Insulator		View
ADC-H-002-X	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		View
ADC-H-002-X-HT	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		View
ADC-H-002A-X-RT	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		View
ADC-H-002B-X-N	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		View
ADC-H-002G-X	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		View
ADC-H-002G-X-N	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		View
ADC-H-010-X	Receptacle	Multiple Pin Size Options	Vertical Thru Hole	Hi Current (5 Amps)		View
ADC-H-026-X	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		View
ADC-H-042-X-SMT	Receptacle	Multiple Pin Size Options	Vertical Surface Mount	Hi Current (5 Amps)		View
ADC-H-085-X-HT-TR	Receptacle	Multiple Pin Size Options	Vertical Thru Hole	Hi Current (5 Amps)		View
ADC-H-123-X	Receptacle	Multiple Pin Size Options	Vertical Thru Hole	Hi Current (5 Amps)		View

DC Power Plugs

PART NUMBER	GENDER	CENTER PIN SIZE	OPTIONS	PRODUCT DATA
ADP-.039/.150/.374-SR	Plug	.039" [1.0mm]	Strain Relief	View
ADP-.051/.138/.374-SR	Plug	.051" [1.3mm]	Strain Relief	View
ADP-.067/.187/.374-SR	Plug	.067" [1.7mm]	Strain Relief	View
ADP-.083/.217/.433-HDW-SR	Plug	.083" [2.1mm]	Strain Relief	View
ADP-098-217-689-M	Plug	.098" [2.5mm]	Moulding Type	View
ADP-.067/.187/.374	Plug	.067" [1.7mm]		View
ADP-.098-.217-.374-SR	Plug	.098" [2.5mm]	Strain Relief	View
ADP-2.1-5.5-9.5-SR	Plug	.083" [2.1mm]	Strain Relief	View

Waterproof Audio & DC Power Jacks

Adam Tech's Waterproof Audio & DC Charging Connectors are a combination of IP67 and Splash Proof sealed designs intended for use in applications exposed to moisture, humidity and rain. Special seals, o-rings, and epoxy coatings are incorporated into this product line to achieve the listed ratings. Adam Tech offers full customization capabilities to waterproof body styles not seen in this catalog. Reach out to us today with your requirement and our team of design engineers will work hand in hand with you to create the solution you need.

Board Mount
Waterproof Audio

Bulkhead Waterproof
DC Power

Board Mount
Waterproof DC Power

FEATURES & SPECIFICATIONS

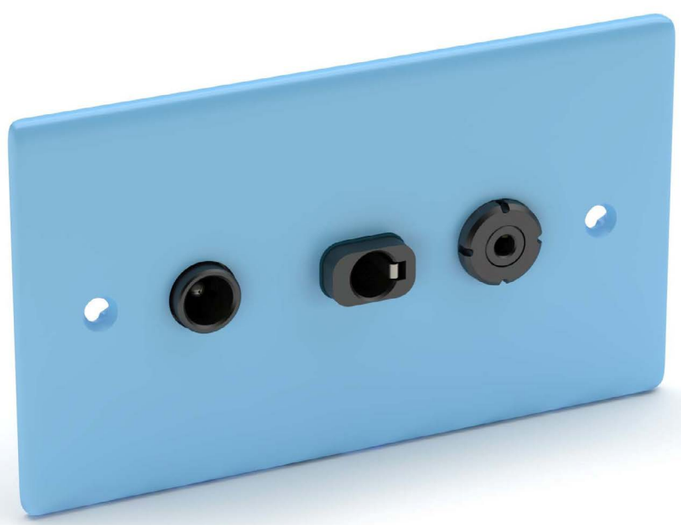
PACKAGING:
Anti-ESD plastic trays or tubes

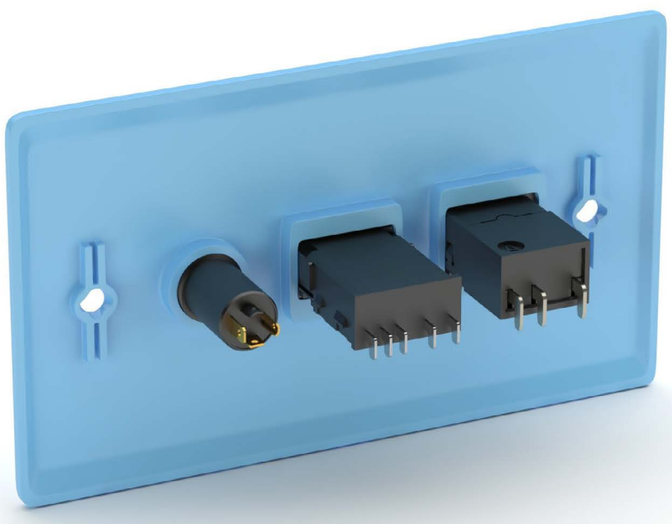
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PA66
Optional Hi-Temp insulator: Hi-Temp thermoplastic rated UL 94-V0
Insulator Color: Black
Contacts: Copper Alloy
Shell: Brass, Nickel Plated
Contact Plating: Gold Flash over nickel underplate overall

PART NUMBER	TYPE	WATERPROOF	PRODUCT DATA
ADC-114B-4-WP-HT-T/R	DC Power	Yes	View
ADC-119-4-WP	DC Power	Yes	View
ASJ-171B-M-WP	Audio	Yes	View
ASJ-181-1A-HDW-WP	Audio	Yes	View
ASJ-182-1A-HDW-WP	Audio	Yes	View
ASJ-203C-M-WP	Audio	Yes	View





Circular Industrial Connectors - Waterproof, Ruggedized & High Current

Adam Tech's Circular Industrial Connector series is comprised of waterproof, ruggedized, and high current connectors. These connectors are offered in mated sets of various styles, including Circular, M style, RJ45, and USB The mated sets provide waterproof protection, with IP ratings ranging from IP66 to IP68. With a variety of pin count and keying style options, these parts are ideal for many applications.

FEATURES & SPECIFICATIONS

FEATURES
Panel Mount, Overmold w/ Cable, Field Assembly Types
Complete Pin Count Selection
IP Sealing Options include IP66, IP67, IP68
Straight and Right Angle
Screw Locking Mechanisms

MATING CONNECTORS:

PACKAGING:
Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT
Optional Hi-Temp insulator: PA6T
Insulator Color: Black
Contacts: Brass
Shell: Zinc Allow or Brass
Contact Plating: Nickel or Gold plated over Nickel underplate

Electrical:
Operating Voltage: 250V
Current Rating: Up to 20A
Contact Resistance: 30 mohms max.
Insulation Resistance: 100 Mohms min.
Dielectric Withstanding Voltage: 500V AC for 1 Minute

Temperature Ratings:
Operating Temperature: -25°C to +85°C

CASE STUDY

Medical devices, such as pulse oximeters, rely on the sealed connections of Circular Industrial Connectors. The multi-pin design is ideal for the reliability and security required in the medical industry.

Adam Tech M8 & M12 Connector Systems and Assemblies are rugged, high durability, IP rated solutions for the most demanding aplications. They are offered in a the M8 and M12 sizes with varying levels of waterproof ratings from IP67 to IP69. Available as board connectors and also cable assemblies, this series is a popular choice for the most challenging environments and requirements.

PART NUMBER	TYPE	GENDER / MOUNTING TYPE	FOR A, B, C, & D STYLES	WATERPROOF RATING	PRODUCT DATA
SD-M12F-CAP1	M12	Male, Cap	N/A	IP67	View
SD-M12M-CAP1	M12	Female, Cap	N/A	IP67	View
SD-M8F-CAP1	M8	Male, Cap	N/A	IP67	View
SD-MMA12-MMTPH-SX0-001	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMAXX-FFTDL-SX0-000	M12	Male, Panel Mount, Straight PCB	A Coded	IP67	View
SD-MMAXX-FFTDL-SX0-002	M12	Female, Field Assembly Cable Mount	A Coded	IP67	View
SD-MMAXX-FFTPH-SX0-000	M12	Female, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMAXX-MMTPH-SX0-003	M12	Female, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMAXXX-MMTDL-SX0-000	M12	Male, Field Assembly Cable Mount	A Coded	IP67	View
SD-MMAXXX-MMTPH-PX0-000	M12	Female, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMAXXX-MMTPH-SX0-000	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMD04-FFTPH-PX0-000	M12	Female, Panel Mount, Straight PCB	D Coded	IP67	View
SD-MMD04-MMTPH-PX0-000	M12	Male, Panel Mount, Straight PCB	D Coded	IP67	View
SD-MMEXX-FFTPH-SX0-000	M8	Female, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMEXX-MMTPH-PX0-000	M8	Male, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMEXXX-FFTRH-SX0-000	M8	Female, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMEXXX-MMTPH-S70-000	M8	Male, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMEXXX-MMTPH-SX0-000	M8	Male, Panel Mount, Solder Cup	A Coded	IP67	View
SD-MMX08-FFTPH-PX0-001	M12	Female, Panel Mount, Straight PCB	X Coded	IP67	View
SD-MMX08-MMTDL-IX0-000	M12	Male, Field Assembly Cable Mount, IDC	X Coded	IP67	View
SD-MMXXX-FFTDL-SX0-013	M12	Female, Field Assembly Cable Mount	A or D Coded	IP67	View
SD-MMXXX-FFTPH-SX0-013	M12	Female, Panel Mount, Solder Cup	A or D Coded	IP67	View
SD-MMXXX-MMTDL-SX0-013	M12	Male, Cable Mount, Solder Cup	A or D Coded	IP67	View
SD-MMXXX-MMTPH-SX0-013	M12	Male, Panel Mount, Solder Cup	A or D Coded	IP67	View
SD-MMXXX-MMTRH-SX0-013X	M12	Male, Panel Mount, Solder Cup	A or D Coded	IP67	View
SD-PMA02-FFTS	M12	Female, Cable Mount	A Coded	IP67	View
SD-PMA02A-FFTS	M12	Female, Cable Mount	A Coded	IP67	View
SD-PMA03A-FFTS3	M12	Female, Cable Mount	A Coded	IP67	View
SD-PMA04-FFTS4	M12	Female, Cable Mount	A Coded	IP67	View
SD-PMA05-FFTS5	M12	Female, Cable Mount	A Coded	IP67	View
SD-PMA05-MMTRH-SX0-000	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	View
SD-PMA05B-FFTBL-C7A-16	M12	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMA05B-FFTBL-C7A-16_5FT	M12	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMA08-MMTPH-RX0-000	M12	Male, Panel Mount, Right Angle, PCB	A Coded	IP67	View
SD-PMAXX-FFTBL-CXX-XFT	M12	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67 or IP68	View

PART NUMBER	TYPE	GENDER / MOUNTING TYPE	FOR A, B, C, & D STYLES	WATERPROOF RATING	PRODUCT DATA
SD-PMAXX-FFTDL-SX0-001	M12	Female, Field Assembly Cable Mount	A Coded	IP67	View
SD-PMAXX-FFTPH-RX0-000	M12	Female, Panel Mount, Right Angle, PCB	A Coded	IP67	View
SD-PMAXX-MMTDL-SX0-001	M12	Male, Field Assembly Cable Mount	A Coded	IP67	View
SD-PMAXX-MMTPH-RX0-000	M12	Male, Panel Mount, Right Angle PCB	A Coded	IP67	View
SD-PMAXXX-FFTBR-CXX-XFT	M12	Female, Right Angle, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMAXXX-MMTBL-CXX-XFT	M12	Male, Straight, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMAXXX-MMTBL-CXX-XXXM	M12	Male, Straight, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMAXXX-MMTBR-CXX-XFT	M12	Male, Right Angle, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMB05-FFTRH-PX0-000	M12	Female, Panel Mount, Straight, Solder Cup	B Coded	IP67	View
SD-PMDXX-FFTDL-SX0-000	M12	Female, Field Assembly Cable Mount	D Coded	IP67	View
SD-PMDXX-MMTDL-SX0-000	M12	Male, Field Assembly Cable Mount	D Coded	IP67	View
SD-PMEXX-FFTDL-SX0-001	M8	Female, Field Assembly Cable Mount	A Coded	IP67	View
SD-PMEXX-FFTPH-RX0-000	M8	Female, Panel Mount, Right Angle PCB	A Coded	IP67	View
SD-PMEXX-MMTPH-PX0-001	M8	Male, Panel Mount, Straight, PCB	A Coded	IP67	View
SD-PMEXX-MMTPH-RX0-000	M8	Male, Panel Mount, Right Angle PCB	A Coded	IP67	View
SD-PMEXXX-FFTBL-CXX-XFT	M8	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMEXXX-FFTBL-CXX-XXXM	M8	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMEXXX-FFTBR-CXX-XFT	M8	Female, Right Angle, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMEXXX-MMTBL-CXX-XFT	M8	Male, Straight, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMEXXX-MMTDL-SX0-000	M8	Male, Field Assembly Cable Mount	A Coded	IP67	View
SD-PMG04-FFTPH-RX0-000	M5	Female, Panel Mount, Straight, PCB	A Coded	IP67	View
SD-PMG04-MMTPH-RX0-000	M5	Male, Panel Mount, Straight, PCB	A Coded	IP67	View
SD-PMGXX-FFTBL-CXX-XFT	M5	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	View
SD-PMGXX-MMTBL-CXX-XFT	M5	Male, Field Assembly Cable Mount	A Coded	IP67	View
SD-PMX08-MMTBL-CXX-XFT	M12	Male, Straight, Overmolded on Cable Assembly	X Coded	IP67 or IP68	View
SD-PNXXX-MMTAL-S00-013	M12	Male, Field Assembly Cable Mount	A or D Coded	IP-67	View

Circular Industrial Connectors - Waterproof, Ruggedized & High Current

WATERPROOF CIRCULAR STYLES

Adam Tech's Waterproof Circular Connectors and Cable Assemblies are a wide offering of industry standard waterproof solutions. Ranging from IP67 to IP69, these ruggedized systems are designed to handle harsh environments, while providing the utmost reliability.

PART NUMBER	GENDER / MOUNTING TYPE	WATERPROOF RATING	PRODUCT DATA
SD-BM-CAP1X	Male, Cap, B Size	N/A	View
SD-BM-CAP2	Male, Dust Cover, B Size	N/A	View
SD-CAXX-MMBBR-CXX-XFT	Male, Right Angle, Overmolded on Cable Assembly	IP67	View
SD-CAXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	View
SD-CAXXX-FFBBL-CXX-XFT	Male, Straight, Overmolded on Cable Assembly	IP67	View
SD-CBXX-MMBBL-CXX-XFT	Male, Straight, Overmolded on Cable Assembly	IP67	View
SD-CBXX-MMBPH-SX0-001	Male, Panel Mount, Solder Cup	IP67	View
SD-CBXXX-FFBAL-CXX-XFT	Female, Straight, Overmolded on Cable Assembly	IP67	View
SD-CBXXX-FFBAL-CXX-XXXM	Female, Straight, Overmolded on Cable Assembly	IP67	View
SD-CBXXX-FFBBL-CXX-XFT	Female, Straight, Overmolded on Cable Assembly	IP67	View
SD-CBXXX-FFBDL-SX0-000	Female, Field Assembly Cable Mount	IP67	View
SD-CBXXX-FFTAL-CXX-XFT	Female, Straight, Overmolded on Cable Assembly	IP67	View
SD-CBXXX-FFTAL-CXX-XXXM	Female, Straight, Overmolded on Cable Assembly	IP67	View
SD-CBXXX-FFTBL-CXX-XFT-X	Female, Straight, Overmolded on Cable Assembly	IP67	View
SD-CBXXX-FFTDL-SX0-000	Female, Field Assembly Cable Mount	IP67	View
SD-CBXXX-MMBDL-SX0-000	Male, Field Assembly Cable Mount	IP67	View
SD-CBXXX-MMBPH-PX0-001	Male, Panel Mount, PCB	IP67	View
SD-CBXXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	View
SD-CBXXX-MMTDL-SX0-000	Male, Field Assembly Cable Mount	IP67	View
SD-CBXXX-MMTPH-PX0-000	Male, Panel Mount, PCB	IP67	View
SD-CBXXX-MMTPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	View
SD-CBXXX-MMTRH-PX0-000	Male, Panel Mount, PCB	IP67	View
SD-CBXXX-MMTRH-SX0-000	Male, Panel Mount, Solder Cup	IP67	View
SD-CCXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	View
SD-CCXXX-FFBBL-CXX-XFT	Male, Straight, Overmolded on Cable Assembly	IP67	View
SD-CCXXX-FFBDL-SX0-000	Female, Field Assembly Cable Mount	IP67	View
SD-CCXXX-MMBBL-CXX-XFT	Male, Straight, Overmolded on Cable Assembly	IP67	View
SD-CCXXX-MMBDL-SX0-000	Male, Field Assembly Cable Mount	IP67	View
SD-CCXXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	View
SD-CD35-FCBAL-CXX-XXXM	Female, Straight, Overmolded on Cable Assembly	IP67	View
SD-CD35-MDBPH-PX0-000	Male, Panel Mount, PCB	IP67	View
SD-CD37-MDBPH-SX000	Male, Panel Mount, Solder Cup	IP67	View
SD-CDXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	View
SD-CDXXX-FFBAR-CXX-XFT	Male, Right Angle, Overmolded on Cable Assembly	IP67	View
SD-CDXXX-FFBDL-SX0-000	Female, Field Assembly Cable Mount	IP67	View
SD-CM-CAP1	Male, Cap, RJ45	N/A	View

PART NUMBER CONFIGURATION

SD	-	CA03A	-	MMBPH	-	S70-000
SERIES		SERIES, SIZE, STYLE, POSITIONS		CONNECTOR STYLE, CONTACT TYPE, MATING STYLE, S/R OR LOCK STYLE, BACK SHELL		ASSEMBLY STYLE, IP RATING, SERIAL NUMBER
SD = *Waterproof*		*1st Characters for Series* **C** = *Circular* *2nd Character for Size* **A** = *Mini (7/16")* **B** = *Standard (5/8")* **C** = *Middle (13/16")* **D** = *Large (1")* **E** = *Marco (1, 3/16")* **F** = *(7/8")* **G** = *SP13* *3rd ~4th Character for Positions* **02, 03, ...** *Pins (Positions)* *5th Character for Contact Ampere* **A, B, ...** *(Refer to drawing for rating mapping)*		*1st Characters for Connector Style* **M** = *Male Connector* **F** = *Female Connector* *2nd Character for Contact Type* **M** = *Male Contact* **F** = *Female Contact* **C** = *Hybrid (Different Size Male Contacts)* **D** = *Hybrid (Different Size Female Contacts)* **E** = *Female (Large Amp) + Male (Smaller Amp)* **F** = *Male (Large Amp) + Female (Smaller Amp)* *3rd Character for Mating Style* **T** = *Thread/Screw* **B** = *Bayonet/Twist Lock* *4th Character for S/R or Lock Style* **A** = *Molding Cable w/ SR* **B** = *Molding Cable w/o SR* **C** = *Ass'y Type w/ SR* **D** = *Ass'y Type w/o SR* **P** = *Panel Front Mount* **R** = *Panel Rear Mount* **S** = *Semi-finished product (P/N end here)* *5th Character for Back Shell* **L** = *Straight (180° Cable, Ass'y Type)* **R** = *R/A (90° Cable, Ass'y Type)* **C** = *Circular Panel Flange* **H** = *Front Hexagonal Nut Panel*		*1st Character for Assembly Style* **S** = *Solder Type* **P** = *180° PCB Type* **R** = *90° PCB Type* **W** = *Screw in Type* **C** = *Molding Type* **I** = *IDC* **CR** = *Crimp Type* *2nd Character for IP Rating* **N** = *No IP* **6** = *IP 66* **7** = *IP 67* **8** = *IP 68* *3rd Character for Cable Type* **0** = *Panel or No Cable* **A** = *UL2464* **B** = *SJTW* **C** = *UL2517* **D** = *Cat5E* **E** = *Cat6* **G** = *Cat6A* *4th ~6th Character for Cable Length* **000** = *No Cable* **1FT, 3FT, 9FT...**

Adam Tech offers a range of weatherproof, ruggedized, IP rated RJ45 and USB connector sets in various styles. Custom designs can also be made upon request.

PART NUMBER	TYPE	WATERPROOF RATING	GENDER / MOUNTING TYPE	PRODUCT DATA
SD-HDPA-JBRC-SX0-009	HDMI	IP67	Female, Panel Mount, Solder	View
SD-NPBC-JTPC-TB70-000	Mini USB	IP67	Male, Panel Mount, Transfer Board	View
SD-NPBC-JTPC-TBX0-000	Mini USB	IP67	Male, Panel Mount, Transfer Board	View
SD-NPBC-PTAL-CXX-XFT	Mini USB	IP67	Male, Cable Mount	View
SD-RPC-JBPC-AX0-000	RJ45	IP67	Female, Panel Mount, Straight PCB	View
SD-RPC-JBPC-PSX0-000	RJ45	IP67	Female, Panel Mount, Straight PCB	View
SD-RPC-JBPC-PSX0-001	RJ45	IP67	Female, Panel Mount, Straight PCB	View
SD-RPC-JBPC-WRX0-000	RJ45	IP67	Female, Panel Mount, Right Angle PCB	View
SD-RPC-JBPC-WSX0-000	RJ45	IP67	Female, Panel Mount, Straight PCB	View
SD-RPC-JTBL-CXX-XFT	RJ45	IP67	Female, Panel Mount, Right Angle PCB	View
SD-RPC-JTPC-PSX0-000	RJ45	IP67	Female, Panel Mount, Straight PCB	View
SD-RPC-JTPC-WRX0-000	RJ45	IP67	Female, Panel Mount, Right Angle Conn	View
SD-RPC-JTPC-WSX0-000	RJ45	IP67	Female, Panel Mount, Straight Conn	View
SD-RPC-PBBL-CXX-XFT	RJ45	IP67	Male, Cable Mount	View
SD-RPC-PBDL-GXX-000	RJ45	IP67	Male, Cable Mount	View
SD-RPC-PTBL-CXX-XFT	RJ45	IP67	Male, Cable Mount	View
SD-RPC-PTDL-GXX-000	RJ45	IP67	Male, Cable Mount	View
SD-RPC-PTDL-GXX-001	RJ45	IP67	Male, Cable Mount	View
SD-UPAC-JBPC-PSX0-000	USB	IP67	Female, Panel Mount, Straight PCB	View
SD-UPAC-JTPC-PS70-001	USB	IP67	Female, Panel Mount, Straight PCB	View
SD-UPAC-JTPC-PSX0-000	USB	IP67	Female, Panel Mount, Straight PCB	View
SD-UPAC-PBBL-CXX-XFT	USB	IP67	Male, Cable Mount	View

PART NUMBER CONFIGURATION

SD	-	UPAC	-	JBPC	-	J7D-1FT
SERIES		**SERIES, STYLE, SIZE**		**CONNECTOR STYLE, MATING STYLE, S/R OR LOCK STYLE, BACK SHELL**		**ASSEMBLY STYLE, IP RATING, CATEGORY/ SHIELDING, SERIAL NUMBER**
SD = *Waterproof*		*1st~2nd or 3rd Characters for Series* **RM** = *RJ45 Metal Housing Metal Nut* **RP** = *RJ45 Plastic Housing Plastic Nut* **RPM** = *RJ45 Plastic Housing Metal Nut* **UPA** = *USB 2.0 A-TYPE Plastic Housing Plastic Nut* **U3PA** = *USB 3.0 A-TYPE Plastic Housing Plastic Nut* **NPB** = *Mini USB B-TYPE Plastic Housing Plastic Nut* **A2P** = *2.5mm Audio Connector Plastic Housing Plastic Nut* **A3P** = *3.5mm Audio Connector Plastic Housing Plastic Nut* **A4P** = *1/4 inch (6.35mm) Audio Connector Plastic Housing Plastic Nut* **DE9P** = *D-sub 9 Pin Plastic hood* **HDPA** = *HDMI Type-A Plastic Housing Plastic Nut* *3rd or 4th Character for Size/Code* **C** = *Middle (13/16")* **S** = *Square hole panel* **K** = *Key lock*		*1st Characters for Connector Style* **P** = *Plug Connector* **J** = *Jack Connector* *2nd Character for Mating Style* **T** = *Thread/Screw* **B** = *Bayonet/Twist Lock* **S** = *Snap in* **U** = *Thumb Screw* *3rd Character for S/R or Lock Style* **A** = *Molding Cable w/ SR* **B** = *Molding Cable w/o SR* **C** = *Ass'y Type w/ SR* **D** = *Ass'y Type w/o SR* **E** = *W/Cable w/o SR (PCB Type)* **P** = *Panel Front Mount* **R** = *Panel Rear Mount* *4th Character for Back Shell* **L** = *Straight (180° Cable, Ass'y Type)* **C** = *Circular Panel* **M** = *Module jack*		*1st Character for Assembly Style* **S** = *Solder Type or w/cable plug* **C** = *Molding Type direct cut* **J** = *Jack* **G** = *Plug* **A** = *Adapter* **PS** = *Pin header Straight* **PR** = *Pin header Right angle* **WS** = *Wafer Straight* **WR** = *Wafer Right angle* **TB** = *Transfer Board* *2nd Character for IP Rating* **6** = *IP 66* **7** = *IP 67* **8** = *IP 68* *3rd Character for Cable Type* **0** = *Panel or No Cable* **A** = *Cat5 Shield (STP)* **B** = *Cat5 Un-Shield (UTP)* **C** = *Cat5E Shield* **D** = *Cat5E Un-Shield* **E** = *Cat6 Shield* **F** = *Cat6 Un-Shield* **G** = *Cat6A Shield* **H** = *Cat6A Un-Shield* **J** = *Cat5E Fn-Shield (FTP)* **L** = *USB Type A* **M** = *USB Type B* *4th ~6th Character for Cable Length* **000** = *No Cable* **1FT, 3FT, 9FT…**

MAXIMUM CHARACTERS

Std. P/N = **18**
Customization P/N = **21**

FOR NON STANDARD OR CUSTOMIZATION

Substituted with under after Back shell
ANXXXXX-X = *Customization Case Numbers (Ex, WP-RPC-JBPC-AN10920-1)*

Push Pull Connectors

Adam Tech's comprehensive line of Push Pull Connectors consists of metal and plastic connectors, elbow sockets, and bend reliefs. Each product type is offered in a variety of options, including positions, mounting, and size. Specialty waterproof push pull connectors are also available with ratings of IP67 and IP68. Adam Tech Push Pull Connectors are ideal for any application requiring easy, secure connections.

FEATURES & SPECIFICATIONS

FEATURES:
Plugs and sockets
Metal and plastic
Standard IP50 Dustproof
IP67 and IP68 waterproof
Elbow sockets
Bend reliefs
Various positions
Various collet sizes
Solder cup and PCB
Panel and cable mount
Fully intermateable with all industry leading push pull connectors

APPLICATIONS:
Medical
Industrial
Instrumentation
Data and communications
Automotive
Audio/video

SPECIFICATIONS:

Material:
Insulator: PPS
Housing: Brass, natural chrome plated or PC
Terminal: Brass, gold plated

Electrical:
Current rating range: 1.5 to 20A
Voltage rating: 250V
Electrical life: 1,000 cycles min.

Temperature Rating:
Operating temperature range: -55°C to +150°C

MMI-ES1G03PR

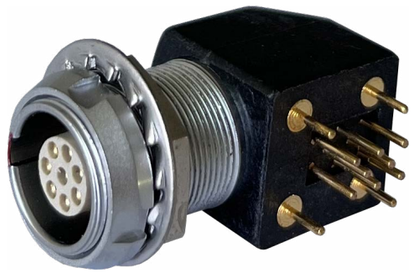
MMI-M0PG04S52B

MMI-P1SRG02PRGG

MMI-M0RS104S-IP68

PART NUMBER	TYPE	GENDER / MOUNTING TYPE	WATERPROOF RATING	PRODUCT DATA
MMI-BR0-XX-XX-X	Bend Relief			View
MMI-BR1-XX-XX-X	Bend Relief			View
MMI-BR2-XX-XX-X	Bend Relief			View
MMI-ES1GXXPR	Elbow Socket	Female, Panel Mount	IP50	View
MMI-ES1GXXPR-T	Elbow Socket	Female, Panel Mount	IP50	View
MMI-M0FGXXSXX-IP67	Metal	Female, Cable Plug	IP67	View
MMI-M0FGXXSXXB-IP67	Metal	Female, Cable Plug	IP67	View
MMI-M0FSXXXS	Metal	Female, Panel Mount	IP50	View
MMI-M0FXXXSXX	Metal	Female, Cable Plug	IP50	View
MMI-M0FXXXSXXB	Metal	Female, Cable Plug	IP50	View
MMI-M0PGXXSXX-IP67	Metal	Male, Cable Plug	IP67	View
MMI-M0PGXXSXXB-IP67	Metal	Male, Cable Plug	IP67	View
MMI-M0PRXXXSXX	Metal	Male, Cable Plug	IP50	View
MMI-M0PRXXXSXXB	Metal	Male, Cable Plug	IP50	View
MMI-M0PXXXSXX	Metal	Male, Cable Plug	IP50	View
MMI-M0PXXXSXX-IP68	Metal	Male, Cable Plug	IP68	View
MMI-M0PXXXSXXB	Metal	Male, Cable Plug	IP50	View
MMI-M0PXXXSXXB-IP68	Metal	Male, Cable Plug	IP68	View
MMI-M0RSGXXS-IP67	Metal	Female, Panel Mount	IP67	View
MMI-M0RSXXXP	Metal	Female, Panel Mount	IP50	View
MMI-M0RSXXXP-IP68	Metal	Female, Panel Mount	IP68	View

PART NUMBER	TYPE	GENDER / MOUNTING TYPE	WATERPROOF RATING	PRODUCT DATA
MMI-M0RSXXXPR	Metal	Female, Panel Mount	IP50	View
MMI-M0RSXXXS	Metal	Female, Panel Mount	IP50	View
MMI-M0RSXXXS-IP68	Metal	Female, Panel Mount	IP68	View
MMI-M1FGXXSXX-IP67	Metal	Female, Cable Plug	IP67	View
MMI-M1FGXXSXXB-IP67	Metal	Female, Cable Plug	IP67	View
MMI-M1FSXXXS	Metal	Female, Panel Mount	IP50	View
MMI-M1FXXXSXX	Metal	Female, Cable Plug	IP50	View
MMI-M1FXXXSXXB	Metal	Female, Cable Plug	IP50	View
MMI-M1PGXXSXX-IP67	Metal	Male, Cable Plug	IP67	View
MMI-M1PGXXSXXB-IP67	Metal	Male, Cable Plug	IP67	View
MMI-M1PRXXXSXX	Metal	Male, Cable Plug	IP50	View
MMI-M1PRXXXSXXB	Metal	Male, Cable Plug	IP50	View
MMI-M1PXXXSXX	Metal	Male, Cable Plug	IP50	View
MMI-M1PXXXSXX-IP68	Metal	Male, Cable Plug	IP68	View
MMI-M1PXXXSXXB	Metal	Male, Cable Plug	IP50	View
MMI-M1PXXXSXXB-IP68	Metal	Male, Cable Plug	IP68	View
MMI-M1RSGXXS-IP67	Metal	Female, Panel Mount	IP67	View
MMI-M1RSXXXP	Metal	Female, Panel Mount	IP50	View
MMI-M1RSXXXP-IP68	Metal	Female, Panel Mount	IP68	View
MMI-M1RSXXXPR	Metal	Female, Panel Mount	IP50	View
MMI-M1RSXXXS	Metal	Female, Panel Mount	IP50	View
MMI-P0M-COL-XX	Collet		IP50	View
MMI-P0M-COL-XX-IP6X	Collet		IP67 or IP68	View
MMI-P1FGXXSXXXB	Plastic	Female, Cable Plug	IP50	View
MMI-P1FGXXSXXXX	Plastic	Female, Cable Plug	IP50	View
MMI-P1M-COL-XX	Collet		IP50	View
MMI-P1M-COL-XX-IP6X	Collet		IP67 or IP68	View
MMI-P1P-BN-X	Nut			View
MMI-P1P-COL-XX	Collet			View
MMI-P1PXXXSXXXB	Plastic	Male, Cable Plug	IP50	View
MMI-P1PXXXSXXXX	Plastic	Male, Cable Plug	IP50	View
MMI-P1S-FN-X	Nut			View
MMI-P1SRXXXPRXX	Plastic	Female, Panel Mount	IP50	View
MMI-P1SRXXXPXX	Plastic	Female, Panel Mount	IP50	View
MMI-P1SRXXXSXX	Plastic	Female, Panel Mount	IP50	View



MMI-ES1G08PR-T

MMI-M0FSG04S

MMI-M0RSG04P

MMI-M0RSG06S-IP67

MMI-M1FG10S52B-IP67

MMI-M0PRG03S52

MMI-M1RSG06PR

MMI-P1SRG05PGG

Automotive Connectors

Automotive Connectors manufactured in our IATF 16949 certified facility are state of the art solutions to connect a variety of Automotive applications. This specialized series of Automotive board headers and pin strips achieve suitability for a wide range of applications. Our success with automotive connectors and cables is heavily "Custom Solution Based." The bulk of Adam Tech's Automotive expertise is centered around developing custom Automotive solutions not available elsewhere on the market. Many of our customers will submit to us a sketch of a specialized auto connector that requires design and tooling. Our team of engineers will develop a custom design tailored specifically to your application. For more details, submit a "Custom Solution" request through our Website Inquiry Form.

FEATURES & SPECIFICATIONS

PACKAGING:
Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PA66, PA6T or PA9T
Optional Hi-Temp insulator: PA6T or PA9T
Insulator Color: Black
Contacts: Brass
Contact Plating: Tin or Gold over Nickel underplate

Electrical:
Operating Voltage: 250V
Current Rating: Up to 7 Amps
Contact Resistance: 20 mohms max.
Insulation Resistance: 1,000 Mohms min.
Dielectric Withstanding Voltage: 500V AC

Mechanical:

Temperature Ratings:
Operating Temperature: -40°C to +125°C
Soldering process temperature:
Standard insulator: PA66
Hi-Temp insulator: PA6T or PA9T

PART NUMBER	TYPE	PIN COUNT	CENTERLINE	PRODUCT DATA
ADT-AMMC3336A850PPCT006	Board Header	23	4.00mm	View
ADT-AMMC3722PPCT001	Board Header		4.20mm	View
ADT-AMMC3903MACT002	Board Header	31	4.00mm	View
ADT-AMP1151106S3BR149E2	Board Header	6	2.54mm	View
ADT-AMP1251104S2BS192A1	Board Header	4	2.54mm	View
ADT-AMP1251106S4BS165A1	Board Header	6	2.54mm	View
ADT-AMP1831104S4CR228B1	Board Header	4	2.54mm	View
ADT-AMPE441212S3ES170E1	Board Header	24	4.20mm	View
ADT-AMYX7762311	Board Header	35	1.35mm	View

RF Cable Assemblies

Adam Tech RF Assemblies consist of a wide range of industry styles and types including IPEX, SMA, MCX, and BNC and available in numerous lengths which may also be customized to your requirements. RF cables are highly customizable and can be tailored to suit your application requirements.

FEATURES & SPECIFICATIONS

FEATURES:
Bodies available with gold or nickel plating
Insulators available in Teflon, Delrin, and Polypropylene
Standard availability of 50 or 75 ohms impedance
Through hole and SMT types for printed circuit board versions
Male and female types available in bulkhead and cable mount versions

MATING CONNECTORS:
Adam Tech RF series connectors and all industry Standard RF connectors

PACKAGING:
Anti-ESD plastic trays or bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Housing: Brass, Nickel plated
Zinc diecast, Nickel plated
Standard Insulators: Delrin, Polypropylene or Teflon
Optional Hi-Temp Insulator: Teflon
Contacts: Beryllium copper, Gold plated

Electrical:
Operating voltage: 150V AC max.
Contact resistance: 5 mΩ max. initial
Impedance: 50 or 75 ohms
Insulation resistance: 5000 M min.
Dielectric withstanding voltage: 1000V AC for 1 minute
VSWR: 1.2 max
Frequency range: 0 – 6 GHZ

Mechanical:
Engagement force: 4.5 lbs max
Disengagement force: 2 lbs min
Cable retention: equal to breaking strength of cable employed
Durability: 500 cycles

Temperature Rating:
Operating temperature: -20°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER	TYPE	LENGTH	CABLE	PRODUCT DATA
CA-BNC-P-P-01-1000L	BNC to BNC	39 inches	RG-58 Cable	View
CA-BNC-P-P-01-1082L	BNC to BNC	42 inches	RG-58 Cable	View
CA-BNC-P-P-01-1800L	BNC to BNC	70 inches	RG-58 Cable	View
CA-BNC-P-P-01-2082L	BNC to BNC	81 inches	RG-58 Cable	View
CA-BNC-P-P-01-282L	BNC to BNC	11 inches	RG-58 Cable	View
CA-BNC-P-P-01-305L	BNC to BNC	12 inches	RG-58 Cable	View
CA-BNC-P-P-01-3082L	BNC to BNC	121 inches	RG-58 Cable	View
CA-BNC-P-P-01-582L	BNC to BNC	22 inches	RG-58 Cable	View
CA-BNC-P-P-01-915L	BNC to BNC	36 inches	RG-58 Cable	View
CA-BNC-P-P-01-XXXL	BNC to BNC		RG-58 Cable	View
CA-BNC-P-P-02-1000L	BNC to BNC	39 inches	RG-174 Cable	View
CA-BNC-P-P-02-1200L	BNC to BNC	47 inches	RG-174 Cable	View
CA-BNC-P-P-02-1500L	BNC to BNC	59 inches	RG-174 Cable	View
CA-BNC-P-P-02-2000L	BNC to BNC	78 inches	RG-174 Cable	View
CA-BNC-P-P-02-2800L	BNC to BNC	110 inches	RG-174 Cable	View
CA-BNC-P-P-02-500L	BNC to BNC	19 inches	RG-174 Cable	View
CA-BNC-P-P-02-600L	BNC to BNC	23 inches	RG-174 Cable	View

PART NUMBER	TYPE	LENGTH	CABLE	PRODUCT DATA
CA-BNC-P-P-02-610L	BNC to BNC	24 inches	RG-174 Cable	View
CA-BNC-P-P-02-750L	BNC to BNC	29 inches	RG-174 Cable	View
CA-BNC-P-P-02-XXXL	BNC to BNC		RG-174 Cable	View
CA-DKCA0-152L0-AJI0-0	SMA to IPEX	6 inches	1.13mm Diameter	View
CA-DKCA0-152L1-ALI0-0	SMA to IPEX	6 inches	1.37mm Cable	View
CA-DKCA0-305L0-AJI0-0	SMA to IPEX	12 inches	1.13mm Diameter	View
CA-DKCA0-305L1-ALI0-0	SMA to IPEX	12 inches	1.37mm Cable	View
CA-DKCA1-100L1-I0I0	IPEX to IPEX	4 inches	1.37mm Cable	View
CA-DKCA1-100LQ-I0I0	IPEX to IPEX	4 inches	0.81mm Cable	View
CA-DKCA1-152L0-AJI0	SMA to IPEX	6 inches	1.13mm Diameter	View
CA-DKCA1-152L0-AJI5	SMA to IPEX	6 inches	1.13mm Diameter	View
CA-DKCA1-152L0-I0-12	IPEX to Stripped End	12 inches	1.13mm Diameter	View
CA-DKCA1-152L0-I0-6	IPEX to Stripped End	6 inches	1.13mm Diameter	View
CA-DKCA1-152L1-ALI0	SMA to IPEX	6 inches	1.37mm Cable	View
CA-DKCA1-152L3-DPDRP-12	MCX to MCX	12 inches	RG-178 Cable	View
CA-DKCA1-152L3-DPDRP-6	MCX to MCX	6 inches	RG-178 Cable	View
CA-DKCA1-152L5-APAJ	SMA to SMA	6 inches	RG-316 Cable	View
CA-DKCA1-152L5-EPR-HSBL-12	MMCX to Stripped End	12 inches	RG-316 Cable	View
CA-DKCA1-152L5-EPR-HSBL-6	MMCX to Stripped End	6 inches	RG-316 Cable	View
CA-DKCA1-152LQ-ALI5	SMA to IPEX	6 inches	0.81mm Cable	View
CA-DKCA1-153L3-EPEP	MMCX to MMCX	6 inches	RG-178 Cable	View
CA-DKCA1-153L5-EPREPR	MMCX to MMCX	6 inches	RG-316 Cable	View
CA-DKCA1-200L1-I0I0	IPEX to IPEX	7.9 inches	1.37mm Cable	View
CA-DKCA1-220LQ-I0I0	IPEX to IPEX	8.7 inches	0.81mm Cable	View
CA-DKCA1-305L0-AJI0	SMA to IPEX	12 inches	1.13mm Diameter	View
CA-DKCA1-305L0-AJI5	SMA to IPEX	6 inches	1.13mm Diameter	View
CA-DKCA1-305L1-ALI0	SMA to IPEX	12 inches	1.37mm Cable	View
CA-DKCA1-305L5-APAJ	SMA to SMA	12 inches	RG-316 Cable	View
CA-DKCA1-305LQ-ALI5	SMA to IPEX	12 inches	0.81mm Cable	View
CA-DKCA1-50LQ-I0I0	IPEX to IPEX	2 inches	0.81mm Cable	View

Adam Tech's RF Antennas are an optimal solution for any application transmitting or receiving electromagnetic waves. This series is headlined by WiFi, LTE, and GPS antennas, offered as either embedded or external. Designed with versatility in mind, they are available in a variety of lengths, mounting orientations, and specifications. Adam Tech is committed to providing reliable solutions to the wide world of wireless communication.

FEATURES & SPECIFICATIONS

FEATURES:
External and embedded antennas
5G, 4G, 3G, and 2G standards
WiFi and LTE
Navigation systems, such as GPS and Galileo
Enable high speed wireless communication
Variety of lengths
Horizontal and vertical mounting orientations
Wide range of frequencies

APPLICATIONS:
Routers
Navigation systems
Radars
Televisions
Radios
Mobile phones
Automobiles
Communication systems

PART NUMBER	TYPE	PRODUCT DATA
ANT-190061B77	4G FPC Antenna	View
ANT-190071B77	4G FPC Antenna	View
ANT-19031EB78	4G External Antenna	View
ANT-19036EB56	ISM External Antenna	View
ANT-190541B97	3G PCB Antenna	View
ANT-19073EB56	5G External Antenna	View
ANT-190751B93	GPS Antenna	View
ANT-19078EB56	4G and GNSS Combo Antenna	View
ANT-200051B66	GPS Antenna	View
ANT-200091B66	4G SMD Antenna	View
ANT-200421B77	5G FPC Antenna	View

PART NUMBER	TYPE	PRODUCT DATA
ANT-20087EB56	GPS Antenna	View
ANT-20090EB56	Wifi External Antenna	View
ANT-20228WB56	5G External Antenna	View
ANT-20264IB93	GPS Antenna	View
ANT-20284EB56	4G External Antenna	View
ANT-20287EB56	4G External Antenna	View
ANT-20289EB56	Wifi External Antenna	View
ANT-21012EB56	3G External Antenna	View
ANT-210171B77	3G FPC Antenna	View
ANT-DK-3G0EM22-I0300	3G Embedded Antenna	View
ANT-DK-DB1DI-2AB(C)-	WLAN External Antenna	View

PART NUMBER	TYPE	PRODUCT DATA
ANT-DK-GP1FP-GAP3M-1	GPS Antenna	View
ANT-DK-LTE0EM58-I0300	LTE Embedded Antenna	View
ANT-DK-LTE1DIP-2AP(P)	LTE External Antenna	View
ANT-DK-LTE1MD-GAPL52M	LTE External Antenna	View
ANT-DK-WF0EM01-I0200	Wifi Embedded Antenna	View
ANT-DK-WF1DI-2AB(C)-	Wifi External Antenna	View
ANT-DK-WF1EM73-I085-1	Wifi Embedded Antenna	View
ANT-DK-WLA1DL-5L0210I0-C	Wifi External Antenna	View
ANT-DK-WLA1EM60-I0150	WLAN Embedded Antenna	View

Flat Flex Cables

Adam Tech Flat Flex Cables (FFC) are available in a wide variety of options including 0.50mm – 2mm centerline spacing, nearly any length or contact number required, and configurability of contacts location on same side, alternate sides, or a combination of both.

Our FFC series is fully customizable with regard to any of the features above including also the ability to specify exactly which contacts (terminals) you require for your application. Reach out to us today to get started on your design.

FEATURES & SPECIFICATIONS

PACKAGING:
Anti ESD Plastic Bags

SPECIFICATIONS:

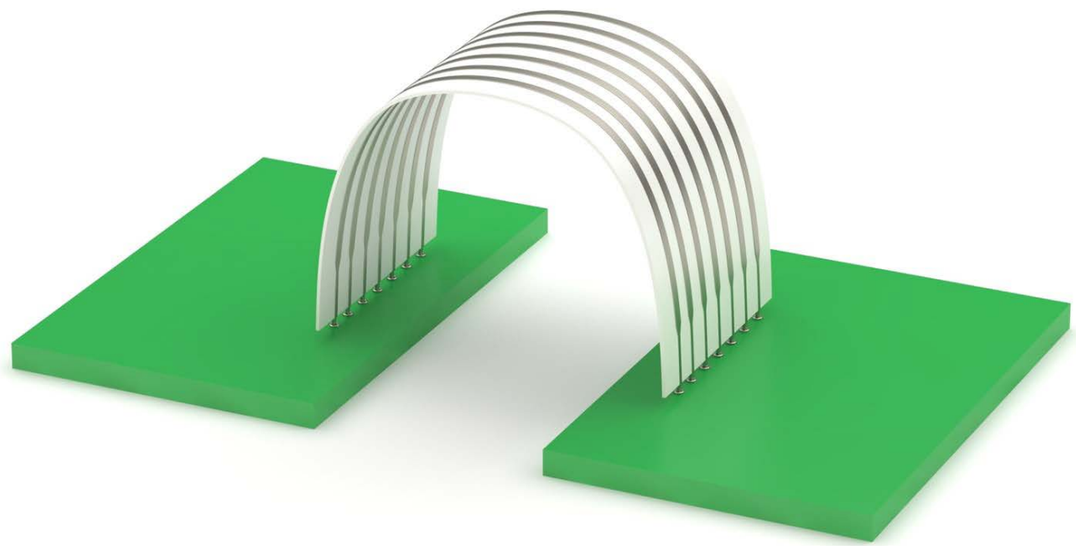
Material:
Standard insulator: PET
Insulator Color: White Color
Support Tape: PET, Blue Color
Contacts: Tin Plater Copper
Contact Plating:

Electrical:
Operating Voltage: 90V UL 2743

Temperature Rating:
Operating Temperature: 105C

Custom cables available upon request.

PART NUMBER	PITCH	POSITIONS	LENGTH	CONTACTS LOCATION	PRODUCT DATA
CA-DK05-04-101.6-A-44-88	0.50mm	4	101.60mm	Both Same Side	View
CA-DK05-04-101.6-B-44-88	0.50mm	4	101.60mm	One Top, One Bottom	View
CA-DK05-04-152.4-A-44-88	0.50mm	4	152.40mm	Both Same Side	View
CA-DK05-04-152.4-B-44-88	0.50mm	4	152.40mm	One Top, One Bottom	View
CA-DK05-04-50.8-A-44-88	0.50mm	4	50.80mm	Both Same Side	View
CA-DK05-04-50.8-B-44-88	0.50mm	4	50.80mm	One Top, One Bottom	View
CA-DK05-12-101.6-A-44-88	0.50mm	12	101.60mm	Both Same Side	View
CA-DK05-12-101.6-B-44-88	0.50mm	12	101.60mm	One Top, One Bottom	View
CA-DK05-12-152.4-A-44-88	0.50mm	12	152.40mm	Both Same Side	View
CA-DK05-12-152.4-B-44-88	0.50mm	12	152.40mm	One Top, One Bottom	View
CA-DK05-12-30.0-A-44-88	0.50mm	12	30.00mm	Both Same Side	View
CA-DK05-12-50.8-A-44-88	0.50mm	12	50.80mm	Both Same Side	View
CA-DK05-12-50.8-B-44-88	0.50mm	12	50.80mm	One Top, One Bottom	View
CA-DK05-16-101.6-A-44-88	0.50mm	16	101.60mm	Both Same Side	View
CA-DK05-16-101.6-B-44-88	0.50mm	16	101.60mm	One Top, One Bottom	View
CA-DK05-16-152.4-A-44-88	0.50mm	16	152.40mm	Both Same Side	View
CA-DK05-16-152.4-B-44-88	0.50mm	16	152.40mm	One Top, One Bottom	View
CA-DK05-16-50.8-A-44-88	0.50mm	16	50.80mm	Both Same Side	View
CA-DK05-16-50.8-B-44-88	0.50mm	16	50.80mm	One Top, One Bottom	View
CA-DK05-24-101.6-A-44-88	0.50mm	24	101.60mm	Both Same Side	View
CA-DK05-24-101.6-B-44-88	0.50mm	24	101.60mm	One Top, One Bottom	View
CA-DK05-24-152.4-A-44-88	0.50mm	24	152.40mm	Both Same Side	View
CA-DK05-24-152.4-B-44-88	0.50mm	24	152.40mm	One Top, One Bottom	View
CA-DK05-24-50.8-A-44-88	0.50mm	24	50.80mm	Both Same Side	View



PART NUMBER	PITCH	POSITIONS	LENGTH	CONTACTS LOCATION	PRODUCT DATA
CA-DK05-24-50.8-B-44-88	0.50mm	24	50.80mm	One Top, One Bottom	View
CA-DK05-30-101.6-A-44-88	0.50mm	30	101.60mm	Both Same Side	View
CA-DK05-30-101.6-B-44-88	0.50mm	30	101.60mm	One Top, One Bottom	View
CA-DK05-30-152.4-A-44-88	0.50mm	30	152.40mm	Both Same Side	View
CA-DK05-30-152.4-B-44-88	0.50mm	30	152.40mm	One Top, One Bottom	View
CA-DK05-30-50.8-A-44-88	0.50mm	30	50.80mm	Both Same Side	View
CA-DK05-30-50.8-B-44-88	0.50mm	30	50.80mm	One Top, One Bottom	View
CA-DK05-36-101.6-A-44-88	0.50mm	36	101.60mm	Both Same Side	View
CA-DK05-36-101.6-B-44-88	0.50mm	36	101.60mm	One Top, One Bottom	View
CA-DK05-36-152.4-A-44-88	0.50mm	36	152.40mm	Both Same Side	View
CA-DK05-36-152.4-B-44-88	0.50mm	36	152.40mm	One Top, One Bottom	View
CA-DK05-36-50.8-A-44-88	0.50mm	36	50.80mm	Both Same Side	View
CA-DK05-36-50.8-B-44-88	0.50mm	36	50.80mm	One Top, One Bottom	View
CA-DK05-40-101.6-A-44-88	0.50mm	40	101.60mm	Both Same Side	View
CA-DK05-40-101.6-B-44-88	0.50mm	40	101.60mm	One Top, One Bottom	View
CA-DK05-40-152.4-A-44-88	0.50mm	40	152.40mm	Both Same Side	View
CA-DK05-40-152.4-B-44-88	0.50mm	40	152.40mm	One Top, One Bottom	View
CA-DK05-40-50.8-A-44-88	0.50mm	40	50.80mm	Both Same Side	View
CA-DK05-40-50.8-B-44-88	0.50mm	40	50.80mm	One Top, One Bottom	View
CA-DK05-XX-101.6-A-44-88	0.50mm		101.60mm	Both Same Side	View
CA-DK05-XX-101.6-B-44-88	0.50mm		101.60mm	One Top, One Bottom	View
CA-DK05-XX-152.4-A-44-88	0.50mm		152.40mm	Both Same Side	View
CA-DK05-XX-152.4-B-44-88	0.50mm		152.40mm	One Top, One Bottom	View
CA-DK05-XX-50.8-A-44-88	0.50mm		50.80mm	Both Same Side	View
CA-DK05-XX-50.8-B-44-88	0.50mm		50.80mm	One Top, One Bottom	View
CA-DK10-04-101.6-A-44-88	1.00mm	4	101.60mm	Both Same Side	View
CA-DK10-04-101.6-B-44-88	1.00mm	4	101.60mm	One Top, One Bottom	View
CA-DK10-04-152.4-A-44-88	1.00mm	4	152.40mm	Both Same Side	View
CA-DK10-04-152.4-B-44-88	1.00mm	4	152.40mm	One Top, One Bottom	View
CA-DK10-04-50.8-A-44-88	1.00mm	4	50.80mm	Both Same Side	View
CA-DK10-04-50.8-B-44-88	1.00mm	4	50.80mm	One Top, One Bottom	View
CA-DK10-05-101.6-A-44-88	1.00mm	5	101.60mm	Both Same Side	View
CA-DK10-08-101.6-A-44-88	1.00mm	8	101.60mm	Both Same Side	View
CA-DK10-12-101.6-A-44-88	1.00mm	12	101.60mm	Both Same Side	View
CA-DK10-12-101.6-B-44-88	1.00mm	12	101.60mm	One Top, One Bottom	View
CA-DK10-12-152.4-A-44-88	1.00mm	12	152.40mm	Both Same Side	View
CA-DK10-12-152.4-B-44-88	1.00mm	12	152.40mm	One Top, One Bottom	View
CA-DK10-12-50.8-A-44-88	1.00mm	12	50.80mm	Both Same Side	View
CA-DK10-12-50.8-B-44-88	1.00mm	12	50.80mm	One Top, One Bottom	View
CA-DK10-16-101.6-A-44-88	1.00mm	16	101.60mm	Both Same Side	View
CA-DK10-16-101.6-B-44-88	1.00mm	16	101.60mm	One Top, One Bottom	View
CA-DK10-16-152.4-A-44-88	1.00mm	16	152.40mm	Both Same Side	View
CA-DK10-16-152.4-B-44-88	1.00mm	16	152.40mm	One Top, One Bottom	View
CA-DK10-16-50.8-A-44-88	1.00mm	16	50.80mm	Both Same Side	View

PART NUMBER	PITCH	POSITIONS	LENGTH	CONTACTS LOCATION	PRODUCT DATA
CA-DK10-16-50.8-B-44-88	1.00mm	16	50.80mm	One Top, One Bottom	View
CA-DK10-24-101.6-A-44-88	1.00mm	24	101.60mm	Both Same Side	View
CA-DK10-24-101.6-B-44-88	1.00mm	24	101.60mm	One Top, One Bottom	View
CA-DK10-24-152.4-A-44-88	1.00mm	24	152.40mm	Both Same Side	View
CA-DK10-24-152.4-B-44-88	1.00mm	24	152.40mm	One Top, One Bottom	View
CA-DK10-24-50.8-A-44-88	1.00mm	24	50.80mm	Both Same Side	View
CA-DK10-24-50.8-B-44-88	1.00mm	24	50.80mm	One Top, One Bottom	View
CA-DK10-30-101.6-A-44-88	1.00mm	30	101.60mm	Both Same Side	View
CA-DK10-30-101.6-B-44-88	1.00mm	30	101.60mm	One Top, One Bottom	View
CA-DK10-30-152.4-A-44-88	1.00mm	30	152.40mm	Both Same Side	View
CA-DK10-30-152.4-B-44-88	1.00mm	30	152.40mm	One Top, One Bottom	View
CA-DK10-30-50.8-A-44-88	1.00mm	30	50.80mm	Both Same Side	View
CA-DK10-30-50.8-B-44-88	1.00mm	30	50.80mm	One Top, One Bottom	View
CA-DK10-36-101.6-A-44-88	1.00mm	36	101.60mm	Both Same Side	View
CA-DK10-36-101.6-B-44-88	1.00mm	36	101.60mm	One Top, One Bottom	View
CA-DK10-36-152.4-A-44-88	1.00mm	36	152.40mm	Both Same Side	View
CA-DK10-36-152.4-B-44-88	1.00mm	36	152.40mm	One Top, One Bottom	View
CA-DK10-36-50.8-A-44-88	1.00mm	36	50.80mm	Both Same Side	View
CA-DK10-36-50.8-B-44-88	1.00mm	36	50.80mm	One Top, One Bottom	View
CA-DK10-40-101.6-A-44-88	1.00mm	40	101.60mm	Both Same Side	View
CA-DK10-40-101.6-B-44-88	1.00mm	40	101.60mm	One Top, One Bottom	View
CA-DK10-40-152.4-A-44-88	1.00mm	40	152.40mm	Both Same Side	View
CA-DK10-40-152.4-B-44-88	1.00mm	40	152.40mm	One Top, One Bottom	View
CA-DK10-40-50.8-A-44-88	1.00mm	40	50.80mm	Both Same Side	View
CA-DK10-40-50.8-B-44-88	1.00mm	40	50.80mm	One Top, One Bottom	View
CA-DK10-XX-101.6-A-44-88	1.00mm		101.60mm	Both Same Side	View
CA-DK10-XX-101.6-B-44-88	1.00mm		101.60mm	One Top, One Bottom	View
CA-DK10-XX-152.4-A-44-88	1.00mm		152.40mm	Both Same Side	View
CA-DK10-XX-152.4-B-44-88	1.00mm		152.40mm	One Top, One Bottom	View
CA-DK10-XX-50.8-A-44-88	1.00mm		50.80mm	Both Same Side	View
CA-DK10-XX-50.8-B-44-88	1.00mm		50.80mm	One Top, One Bottom	View
CA-DK125-04-101.6-A-44-88	1.25mm	4	101.60mm	Both Same Side	View
CA-DK125-04-101.6-B-44-88	1.25mm	4	101.60mm	One Top, One Bottom	View
CA-DK125-04-152.4-A-44-88	1.25mm	4	152.40mm	Both Same Side	View
CA-DK125-04-152.4-B-44-88	1.25mm	4	152.40mm	One Top, One Bottom	View
CA-DK125-04-50.8-A-44-88	1.25mm	4	50.80mm	Both Same Side	View
CA-DK125-04-50.8-B-44-88	1.25mm	4	50.80mm	One Top, One Bottom	View
CA-DK125-12-101.6-A-44-88	1.25mm	12	101.60mm	Both Same Side	View
CA-DK125-12-101.6-B-44-88	1.25mm	12	101.60mm	One Top, One Bottom	View
CA-DK125-12-152.4-A-44-88	1.25mm	12	152.40mm	Both Same Side	View
CA-DK125-12-152.4-B-44-88	1.25mm	12	152.40mm	One Top, One Bottom	View
CA-DK125-12-50.8-A-44-88	1.25mm	12	50.80mm	Both Same Side	View
CA-DK125-12-50.8-B-44-88	1.25mm	12	50.80mm	One Top, One Bottom	View
CA-DK125-16-101.6-A-44-88	1.25mm	16	101.60mm	Both Same Side	View

PART NUMBER	PITCH	POSITIONS	LENGTH	CONTACTS LOCATION	PRODUCT DATA
CA-DK125-16-101.6-B-44-88	1.25mm	16	101.60mm	One Top, One Bottom	View
CA-DK125-16-152.4-A-44-88	1.25mm	16	152.40mm	Both Same Side	View
CA-DK125-16-152.4-B-44-88	1.25mm	16	152.40mm	One Top, One Bottom	View
CA-DK125-16-50.8-A-44-88	1.25mm	16	50.80mm	Both Same Side	View
CA-DK125-16-50.8-B-44-88	1.25mm	16	50.80mm	One Top, One Bottom	View
CA-DK125-24-101.6-A-44-88	1.25mm	24	101.60mm	Both Same Side	View
CA-DK125-24-101.6-B-44-88	1.25mm	24	101.60mm	One Top, One Bottom	View
CA-DK125-24-152.4-A-44-88	1.25mm	24	152.40mm	Both Same Side	View
CA-DK125-24-152.4-B-44-88	1.25mm	24	152.40mm	One Top, One Bottom	View
CA-DK125-24-50.8-A-44-88	1.25mm	24	50.80mm	Both Same Side	View
CA-DK125-24-50.8-B-44-88	1.25mm	24	50.80mm	One Top, One Bottom	View
CA-DK125-30-101.6-A-44-88	1.25mm	30	101.60mm	Both Same Side	View
CA-DK125-30-101.6-B-44-88	1.25mm	30	101.60mm	One Top, One Bottom	View
CA-DK125-30-152.4-A-44-88	1.25mm	30	152.40mm	Both Same Side	View
CA-DK125-30-152.4-B-44-88	1.25mm	30	152.40mm	One Top, One Bottom	View
CA-DK125-30-50.8-A-44-88	1.25mm	30	50.80mm	Both Same Side	View
CA-DK125-30-50.8-B-44-88	1.25mm	30	50.80mm	One Top, One Bottom	View
CA-DK125-36-101.6-A-44-88	1.25mm	36	101.60mm	Both Same Side	View
CA-DK125-36-101.6-B-44-88	1.25mm	36	101.60mm	One Top, One Bottom	View
CA-DK125-36-152.4-A-44-88	1.25mm	36	152.40mm	Both Same Side	View
CA-DK125-36-152.4-B-44-88	1.25mm	36	152.40mm	One Top, One Bottom	View
CA-DK125-36-50.8-A-44-88	1.25mm	36	50.80mm	Both Same Side	View
CA-DK125-36-50.8-B-44-88	1.25mm	36	50.80mm	One Top, One Bottom	View
CA-DK125-40-101.6-A-44-88	1.25mm	40	101.60mm	Both Same Side	View
CA-DK125-40-101.6-B-44-88	1.25mm	40	101.60mm	One Top, One Bottom	View
CA-DK125-40-152.4-A-44-88	1.25mm	40	152.40mm	Both Same Side	View
CA-DK125-40-152.4-B-44-88	1.25mm	40	152.40mm	One Top, One Bottom	View
CA-DK125-40-50.8-A-44-88	1.25mm	40	50.80mm	Both Same Side	View
CA-DK125-40-50.8-B-44-88	1.25mm	40	50.80mm	One Top, One Bottom	View
CA-DK125-XX-101.6-A-44-88	1.25mm		101.60mm	Both Same Side	View
CA-DK125-XX-101.6-B-44-88	1.25mm		101.60mm	One Top, One Bottom	View
CA-DK125-XX-152.4-A-44-88	1.25mm		152.40mm	Both Same Side	View
CA-DK125-XX-152.4-B-44-88	1.25mm		152.40mm	One Top, One Bottom	View
CA-DK125-XX-50.8-A-44-88	1.25mm		50.80mm	Both Same Side	View
CA-DK125-XX-50.8-B-44-88	1.25mm		50.80mm	One Top, One Bottom	View

Adam Tech Small Form Factor Pluggable Connectors and Cages are a popular interface for telecommunications and data communications applications. Our 20 position surface mount connector interfaces to both fiber optic and copper networking modules. Our cages are manufactured in single port and multiport configurations. All of our cages are available in both press fit and through hole mounting.

FEATURES & SPECIFICATIONS

FEATURES:
Industry standard compatibility
Alignment posts on SMT connector allow for PC board stability
Standoffs allow for easy board cleaning
Single, stacked or ganged cages
Cages have multiple ground points for EMI shielding

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
SMT Connector:
Insulator: High temperature thermoplastic
Contacts: Phosphor Bronze
Plating: Gold over nickel underplate
Cage: Nickel plated copper alloy

Electrical:
SMT Connector:
Operating voltage: 100VAC max
Current rating: 1 Amp max
Contact resistance: 40 ohms max
Insulation resistance: 1000 Mohms min
Dielectric withstanding voltage: 500 VAC for 1 minute

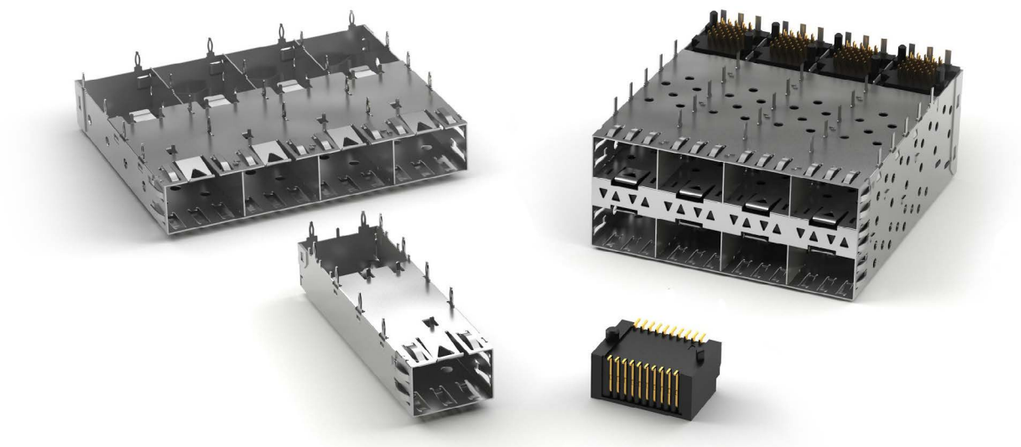
Temperature Rating:
Operating temperature: -40˚C to +85˚C
Soldering temperature: 260˚C for 5 seconds

SINGLE ROW CAGE PART NUMBER CONFIGURATION

SFC	-	1	-	LP
SERIES		**NO. OF PORTS**		**OPTIONS**
SFC = *Small Form Factor Cage*		**1** *thru* **8**		*Add designator(s) to end of part number* **LP** = *External light pipe* **EMI** = *Additional EMI clip* **PF** = *Press Fit pins* **HSK** = *Heat Sink Type*

STACKED ASSEMBLY PART NUMBER CONFIGURATION

SFCJ	-	8	-	LP1
SERIES		**CONFIGURATION**		**OPTIONS**
SFCJ = *Small Form Factor Cage Assembly*		**2** = *2 X 1 Ports* **4** = *2 X 2 Ports* **8** = *2 X 4 Ports* **12** = *2 X 6 Ports*		*Add designator(s) to end of part number* **LP1** = *Inner light pipe* **LP2** = *Outer light pipe* **LP3** = *Inner & outer light pipes* **EMI** = *Additional EMI clip* **PF** = *Press Fit pins* **GT** = *Front EMI Gasket* **PDG**



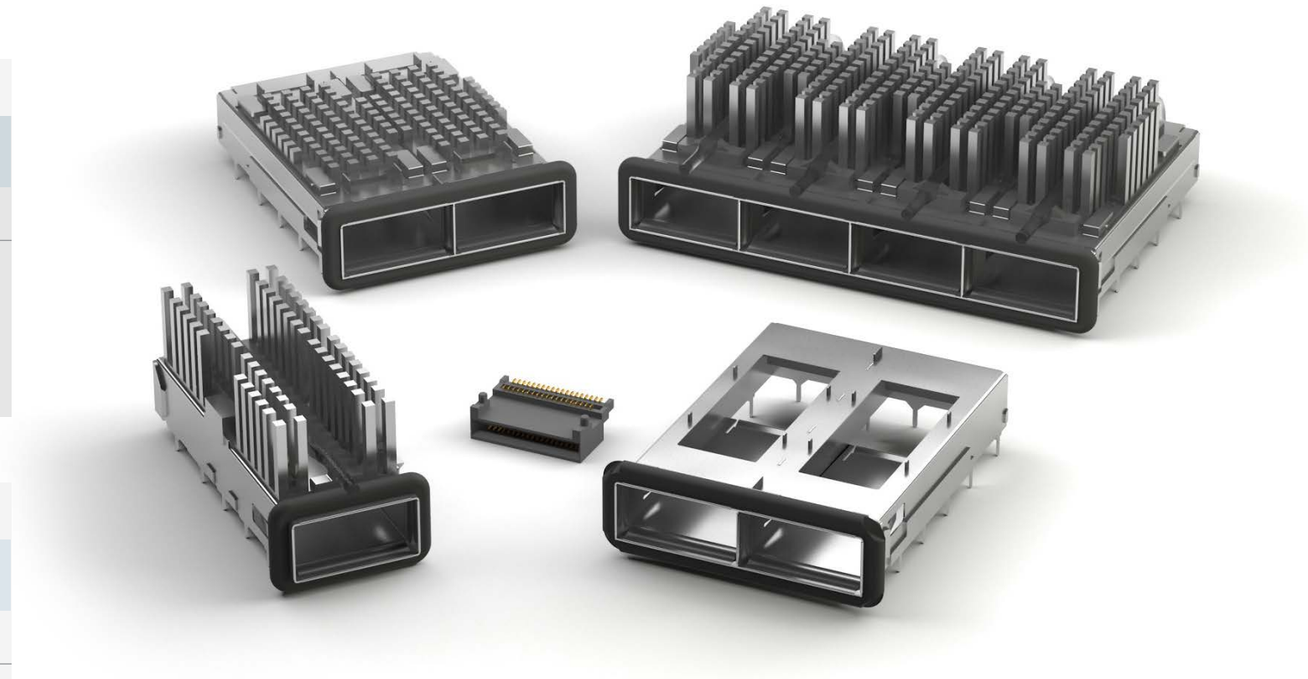
PART NUMBER	TYPE	CONNECTOR + CAGE COMBO	CAGE	CONNECTOR	PRODUCT DATA
SFC-1-EMI			1 Port		View
SFC-1-ST			1 Port		View
SFC-1A-LP-PF			1 Port		View
SFC-2-A			2 Port		View
SFC-2-A-EMI			2 Port		View
SFC-2-CS1-PF					View
SFC-2-CS2-PF			2 Port		View
SFC-4-EMI					View
SFC-4-LP			4 Port		View
SFC-4-LP-EMI			4 Port		View
SFC-4-ST-EMI-GT			4 Port		View
SFC-6-LP-EMI			6 Port		View
SFCJ-1		1 Port			View
SFCJ-12		12 Port			View
SFCJ-4A-LPX		4 Port			View
SFCJ-8		8 Port			View
SFF-20-SG-15				1 Port	View
SFF-20-SG-30				1 Port	View
SFF-20-SG-A				1 Port	View
SFF-20-SG-A-30				1 Port	View
XFC-1-CS1-EMI	XFP		1 Port		View
XFC-1-CS1-EMI-PF-HSK	XFP		1 Port		View
XFC-1-CS2-EMI-PF-HSK	XFP		1 Port		View
XFC-1-CS2A-EMI-HSK	XFP		1 Port		View
XFC-1-CS3-EMI-HSK	XFP		1 Port		View
XFC-1-CS4-EMI-HSK	XFP		1 Port		View
XFC-1-CS5-EMI-HSK	XFP		1 Port		View
XFC-1-CS6-EMI-HSK	XFP		1 Port		View
XFC-1-CS7-EMI-HSK	XFP		1 Port		View
XFC-1-EMI-PF-HSK-C	XFP		1 Port		View
XFF-30-MSG-15-TR	XFP			1 Port	View
XFF-30-MSG-30-TR	XFP			1 Port	View

QUAD PLUGGABLE PART NUMBER CONFIGURATION

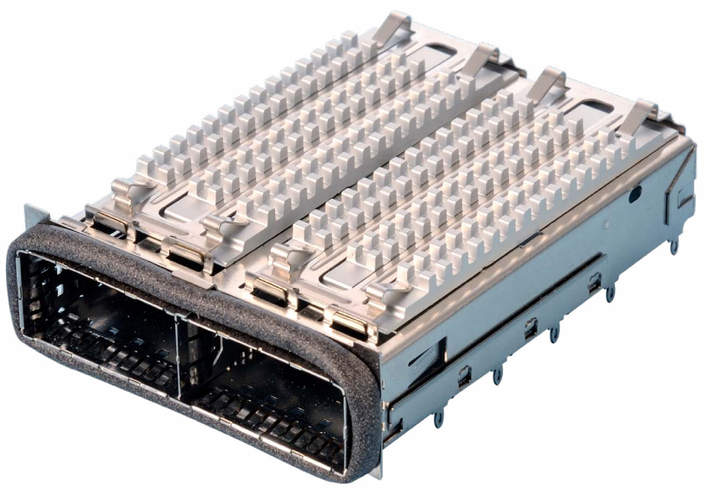
QSFP	-	A	-	LP
SERIES		**TYPE**		**OPTIONS**
QSFP = *Quad Small Form-factor Pluggable*		**A** = *QSFP-1x1* **B** = *QSFP28* **DD** = *QSFP DD*		*Add designator(s) to end of part number* **LP** = *External light pipe* **EMI** = *Additional EMI clip* **PF** = *Press Fit pins* **HSK** = *Heat Sink Type* **EG** = *Elastomer Gasket*

QUAD CAGE PART NUMBER CONFIGURATION

QSFC	-	A
SERIES		**TYPE**
QSFC = *Quad Small Form-factor Cage*		**A** = *QSFP+ CAGE* **B** = *QSFP28 CAGE*



PART NUMBER	CAGE	PRODUCT DATA
QSFC1-EG-X	1 Port - with EMI Gasket & Options	View
QSFC1-ES-X	1 Port - with EMI Springs & Options	View
QSFC2-EG-X	2 Port - with EMI Gasket & Options	View
QSFC4-EG-X	4 Port - with EMI Gasket & Options	View
QSFC6-HS-DLP-X	6 Port - with Heat Sink, Dual Light Pipe & Options	View
QSFC6-HS-LP-X	6 Port - with Heat Sink, Single Light Pipe & Options	View
QSFC6-HS-NLP-X	6 Port - with Heat Sink, No Light Pipe & Options	View

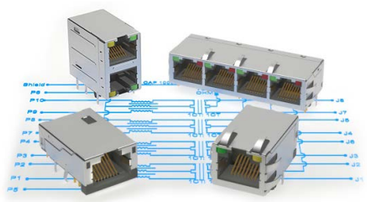


CASE STUDY

QSFP connectors and cages can be found at the back of network devices, such as routers. They connect the router to a fiber optic channel.

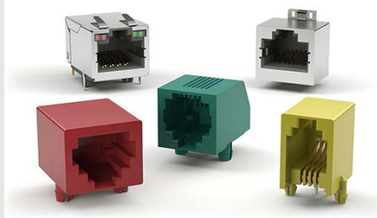
Modular Jacks, Plugs, Adapters & Couplers

Adam Tech Modular Jacks are a complete line of PCB and wire leaded jacks which are UL and CSA approved and meet all required FCC rules and regulations. Adam Tech offers a multitude of sizes (4P2C thru 10P10C) with styles including single, ganged and stacked versions with options of ferrite or magnetic filtering and or metal shielding. Jacks with integral LED's and combination hybrids such as MTJ/USB jacks are also available. These jacks are available in thru-hole or SMT mounting.



MODULAR JACKS WITH INTEGRATED MAGNETICS

HIGH SPEED JACKS - CAPABLE OF 1GB-10GB

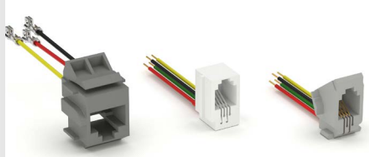


MODULAR JACKS - SINGLE PORT

MODULAR JACKS - MULTI PORT

MODULAR PLUGS

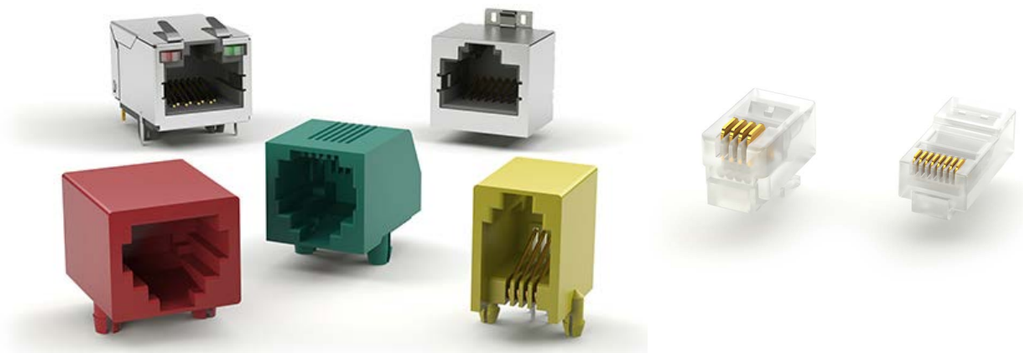
MODULAR JACKS - KEYSTONE STYLE

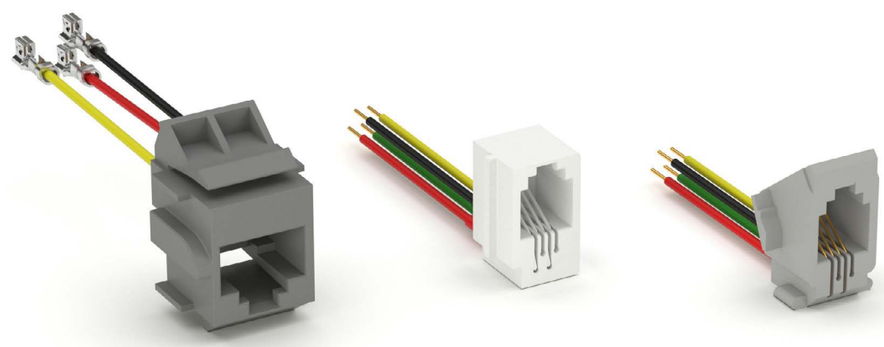


MODULAR JACKS WITH WIRE LEADS

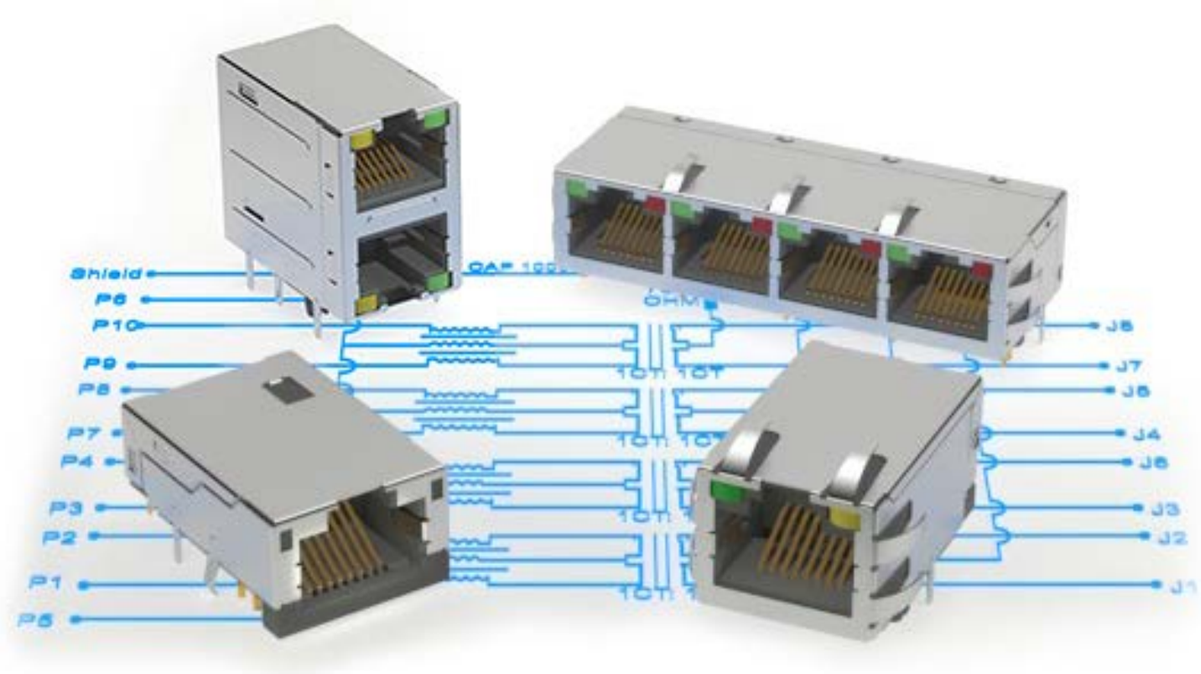
MODULAR JACKS WITH USB

RJ45 COUPLERS & ADAPTERS





Adam Tech RJ-45 connectors with integrated magnetics are designed to support Base 10, 100 and 1000-T applications such as hubs, routers, ADSL modems, and ATM transmission equipment. The integrated magnetics allows the design engineer to save PC board real-estate and lower the total part count per system. This series meets all applicable specifications for CAT 5, 5e, 6 and IEEE 802.3. The USB model meets all applicable USB 2.0 specifications. All configurations are available with optional LED's.



FEATURES & SPECIFICATIONS

FEATURES:
Single, stacked and ganged configurations available
All products have a full metal shield to guard against electromagnetic interference. Hi-Temp option availableAll products are fully lead free and RoHS compliant

MATING PLUGS:
Adam Tech modular telephone plugs and all industry standard telephone plugs.

PACKAGING:
Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224049

SPECIFICATIONS:

Material:
Insulator: PBT, glass filled, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze or Brass
Shield: Copper Alloy, Nickel or Tin plated

Contact Plating:
Gold over Nickel underplate on contact area, Tin over Copper underplate on solder tails.

Electrical:
Operating Voltage: 150V AC
Current Rating: 1.5 Amps Max.
Contact Resistance: 20 mΩ Max.
Insulation Resistance: 500 MΩ Min.
Dielectric Withstanding Voltage: 1500V AC for 1 Minute
DC resistance: 1.2 Ohms Max.
Interwinding capacitance: 35pF @ 1MHz
Insertion loss: 100KHz to 80MHz = -1.1dB Min.
Return loss: 1MHz to 30MHz = -18dB Min.
30MHZ to 80MHz = -12dB Min.
Rise time: 30nS Max.
Cross talk: 1MHz to 100MHz = 40dB TYP.
Common to Common mode Attenuation: 35dB TYP.

MECHANICAL:
Insertion force: 8 Contacts: 22.5N
10 Contacts: 24.5N

TEMPERATURE RATING:
Operation Temperature: -40°C ~ +85°C

JACKS WITH INTEGRATED MAGNETICS & LEDs PART NUMBER CONFIGURATION

MTJ	- 8	8	C	X	1	- FSD	- LD	- M5	- PG
SERIES	HOUSING PLUG SIZE	NO. OF CONTACT POSITIONS FILLED	HOUSING TYPE	PLATING	BODY COLOR	SHIELD PIN LOCATION FSD OR FSP	LED	TRANSFORMER M1 THRU M20	OPTIONS:
MTJ = *Modular Telephone Jack*	**8** *or* **10**	**8** *or* **10**	**C** = *Tab Up, Extended Body* **S** = *Tab Up, Standard Body* **T** = *Tab Down, Short Body*	**X** = *Gold Flash* **0** = *15 µin gold* **1** = *30 µin gold* **2** = *50 µin gold*	**1** = *Black*	*(See Shield Pin Option Chart on page 44)*	**BLANK** = *if none* **LX** = *Led Color* **RLX** = *Led with Resistor*	*(See page 44-45) Consult Factory for transformer types not shown*	*Add designator(s) to end of part number* **PG** = *Panel ground tabs*

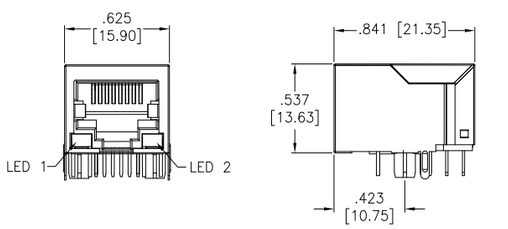
GANGED JACKS WITH INTEGRATED MAGNETICS & LEDs PART NUMBER CONFIGURATION

MTJG	- 4	- 8	8	T	X	1	- FSD	- LD	- M5	- PG
SERIES	NO. OF PORTS	HOUSING PLUG SIZE	NO. OF CONTACT POSITIONS FILLED	HOUSING TYPE	PLATING	BODY COLOR	SHIELD PIN LOCATION FSD THRU FSH	LED	TRANSFORMER M1 THRU M20	OPTIONS:
MTJG = *Magnetics Ganged Jack*	**2** *thru* **8**	**8** *or* **10**	**8** *or* **10**	**T** *or* **J**	**X** = *Gold Flash* **0** = *15 µin gold* **1** = *30 µin gold* **2** = *50 µin gold*	**1** = *Black*	*(See Shield Pin Option Chart on page 44)*	**BLANK** = *if none* **LX** = *Led Color* **RLX** = *Led with Resistor*	*(See page 44-45) Consult Factory for transformer types not shown*	*Add designator(s) to end of part number* **PG** = *Panel ground tabs*

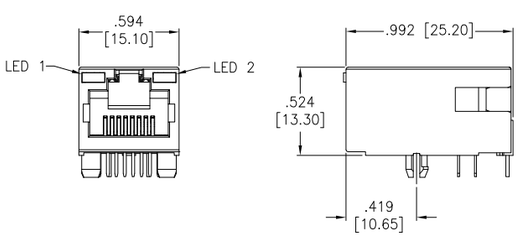
PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
MTJ-88AX1-FSN-LG-M21Y	8/8	Type A - Top Entry	Vertical, Through Hole	View
MTJ-88AX1-FSN-LH-M4S	8/8	Type A - Top Entry	Vertical, Through Hole	View
MTJ-88AX1-FSN-LH1-M5C	8/8	Type A - Top Entry	Vertical, Through Hole	View
MTJ-88SUX1-FS-PG-VL28-M49C	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	View
MTJ-88SUX1-FS-VL28-M186C-WOT	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	View
MTJ-88SX1-FSD-PG-L35-M357Y	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	View
MTJ-88SX1-FSD-PG-LV-M66D	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	View
MTJ-88SX1-FSP-PG-LG-M7Y	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	View
MTJ-88SX1-LH-M204-HT	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	View
MTJ-88SX1-LH-M302	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	View
MTJ-88SX1-LH-M5D-HT	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	View
MTJ-88TUX1-FSD-PG-VLG1-M4C	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TUX1-FSD-VL5-M236Y-HT	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TUX1-FSD-VL5-M236Y-HT-TR	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TVX1-FSJ-LG-M149	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TVX1-FSJ-LG-M75C-WOT	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FS-M4-SMT	8/8	Type T - Tab Down & Bottom Leds, Short Body	"Right Angle, Surface Mount"	View

PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
MTJ-88TX1-FS-M4T-SMT	8/8	Type T - Tab Down & Bottom Leds, Short Body	"Right Angle, Surface Mount"	View
MTJ-88TX1-FS-M4Y-SMT	8/8	Type T - Tab Down & Bottom Leds, Short Body	"Right Angle, Surface Mount"	View
MTJ-88TX1-FSD-D1LG-M224Y	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-LH1-M47C1	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-M4	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-D1LD-M4	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-D1LH-M4C	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-D1LH-M81	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-LG-M4	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-LH-M4	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-LH-M5	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSP-PG-LG-M4	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-DUSB-88JX1-FS-L29-M339Y	8/8		Right Angle, Through Hole	View
MTJ-DUSB-88JX1-FS-RL35-M86C	8/8		Right Angle, Through Hole	View
MTJ-USB-88JX1-FS-PG-LH-M41C	8/8		Right Angle, Through Hole	View
MTJ-USB-88JX1-FS-PG-LH-M49Y	8/8		Right Angle, Through Hole	View
MTJ-USB-88JX1-FS-PG-LL-M41	8/8		Right Angle, Through Hole	View

PART NUMBER	BODY TYPE	PRODUCT DATA
MTJG-2-88JX1-V-FSG-L36-M268Y	Type J - Stacked	View
MTJG-2-88TUX1-FSD-PG-VLG-M5C	Type T - Tab Down, Short Body Magnetics & Leds 2, 4 & 5 Ports Ganged	View
MTJG-2-88TX1-FSD-PG-LH-M4	Type T - Tab Down, Short Body Magnetics & Leds 2, 4 & 5 Ports Ganged	View
MTJG-2-88TX1-FSD-PG-LH-NRSP-M47C	Type T - Tab Down, Short Body Magnetics & Leds 2, 4 & 5 Ports Ganged	View
MTJG-4-88TX1-FSD-PG-LH-M4C	Type T - Tab Down, Short Body Magnetics & Leds 2, 4 & 5 Ports Ganged	View
MTJG-8-88JX1-V-FSG-PG-L16-M310C	Type J - Stacked	View



Type T Body Style



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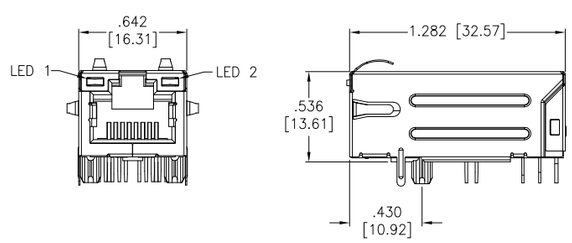
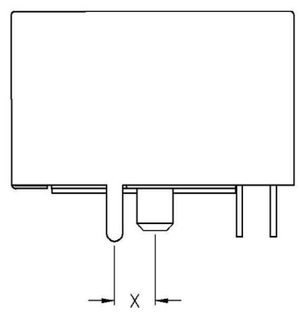
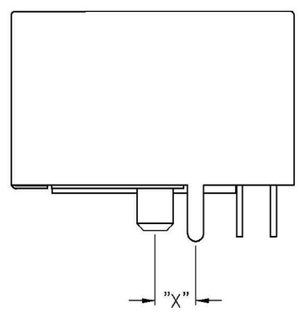


Type C Body Style

SHIELD PIN OPTONS



SHIELD PIN OPTION X
FSA = .170" [4.32mm]
FSB = .144" [3.66mm]
FSC = Surface mount Type C
FSE = .120" [3.05mm]
FSG = .180" [4.57mm]
FSL = .179" [4.57mm]
FSP = .125" [3.17mm]
FST = .185" [4.69mm]
FSU = .123" [3.13mm]
FSV = .171" [4.35mm]
FS2 = .136" [3.46mm]
FS4 = .098" [2.49mm]
FS5 = .162" [4.11mm]



SHIELD PIN OPTION "X"
FSD = .120" [3.05mm]
FSH = .280" [7.11mm]
FSI = .157" [4.00mm]
FSJ = .150" [3.81mm]
FSK = .216" [5.50mm]
FSM = .135" [3.43mm] (Type AR)
FSN = .152" [3.85mm]
FSQ = .167" [4.24mm] (Type AS)
FSR = .144" [3.65mm]
FSS = .267" [6.80mm]
FSW = .137" [3.50mm]
FSY = .116" [2.95mm]
FSZ = .124" [3.15mm]
FS3 = .108" [2.75mm]
FS6 = .299" [7.60mm]
FS7 = .252" [6.40mm]

Adam Tech's High Speed RJ45 Jacks are a complete line of RJ45 connectors designed to support 1GB-10GB performance. They are built to meet Category 5e, 6, or 6a performance according to TIA/EIA 568-C-2. These jacks support all Gigabyte and Ethernet Protocols. Versions include metal shielding for EMI protection with ground peg location options, ground fingers and LED's for link/activity indication and network speed verification. Adam Tech RJ45 jacks are compliant to FCC standards and are UL recognized.

FEATURES & SPECIFICATIONS

FEATURES:
8P8C
1 and 2 ports
Speeds: 1G, 2.5G, 5G, and 10G Base-T
Cable compatibility: Cat 5e, Cat 6, and Cat 6a
Shielded
Integrated magnetics
Integrated LEDs
High-temp thermoplastic insulator, UL 94V-0
UL certified

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224049

SPECIFICATIONS:

Material:
Insulator: Thermoplastic
Contacts: Phosphor bronze or copper alloy
Shield: Brass, nickel plated; or stainless steel

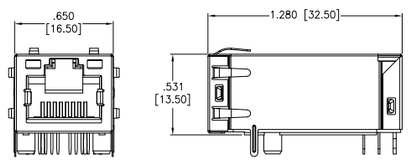
Contact Plating:
Round contacts: Gold over nickel underplate overall
Flat contacts: Gold over nickel underplate on contact area, tin over nickel underplate on solder tails

Electrical:
Operating voltage range: 125 to 150V A
Current rating range: 0.1 to 1.5 Amps
Contact resistance: 20 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 500 to 2250V DC for 1 minute

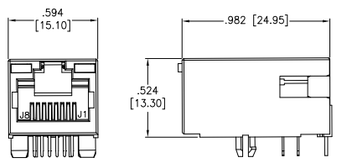
TEMPERATURE RATING:
Operating temperature range: -40°C to +85°C

PART NUMBER	STYLE	CONTACT POSITIONS / CONTACTS FILLED	MOUNTING ORIENTATION	MAGNETICS	SPEED	BODY TYPE	PRODUCT DATA
MTJ-88AGX1-FS-PG-VL38-M368C	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		View
MTJ-88AGX1-FS-VLG-M374C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	5G (CAT 6)		View
MTJ-88AX1-FS-TSMT-P-L5-M398AC-WOT-KT	Single Port	8/8	Vertical, Surface Mount	Yes	1G (CAT 5e)	Tab Up, Top LED's, Standard Body, 1000M Base-T	View
MTJ-88AX1-FS-TSMT-P-L5-M398CH-WOT-KT	Single Port	8/8	Vertical, Surface Mount	Yes	2.5G (CAT 5e)	Tab Up, Top LED's, Standard Body, 2.5G Base-T	View
MTJ-88BAX1-FS-PG-LG-M236C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	5G (CAT 6)		View
MTJ-88BAX1-FS-PG-LG-M383C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	5G (CAT 6)		View
MTJ-88CEX1-FS-PG-VL38-M315C-HF	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		View
MTJ-88NX1-FS-PG-L38-M367C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		View
MTJ-88NX1-FS-PG-L38-M369C	Single Port	8/8	Right Angle, Through Hole	Yes	2.5G (CAT 5e)		View
MTJ-88SUX1-FS-M245C-HT-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		View
MTJ-88SUX1-FS-PG-LG-M245C	Single Port	8/8	Right Angle, Through Hole	Yes	5G (CAT 6)		View
MTJ-88SUX1-FS-PG-VL41-M245C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		View
MTJ-88TUX1-FS2-PG2T-L19-C6A-HT	Single Port	8/8	Right Angle, Through Hole	No	10G (CAT 6a)		View
MTJ-88TUX1-FS2-PG2T-L5-C5E-HT	Single Port	8/8	Right Angle, Through Hole		2.5G (CAT 5e)		View
MTJ-88TUX1-FS2-PG2T-L5-C6A-HT	Single Port	8/8	Right Angle, Through Hole		10G (CAT 6a)		View
MTJG-2-88CAX1-FS5-PG-M328C	1x2	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		View
MTJG-2-88CEX1-FS-PG-WLP-M370C-HT	1x2	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		View

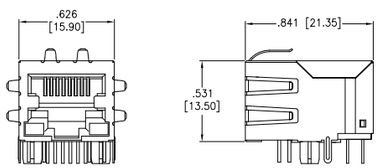
HOUSING TYPE C



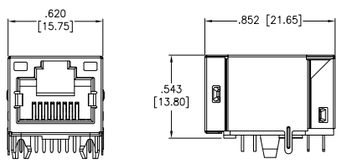
HOUSING TYPE S



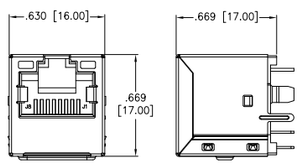
HOUSING TYPE T



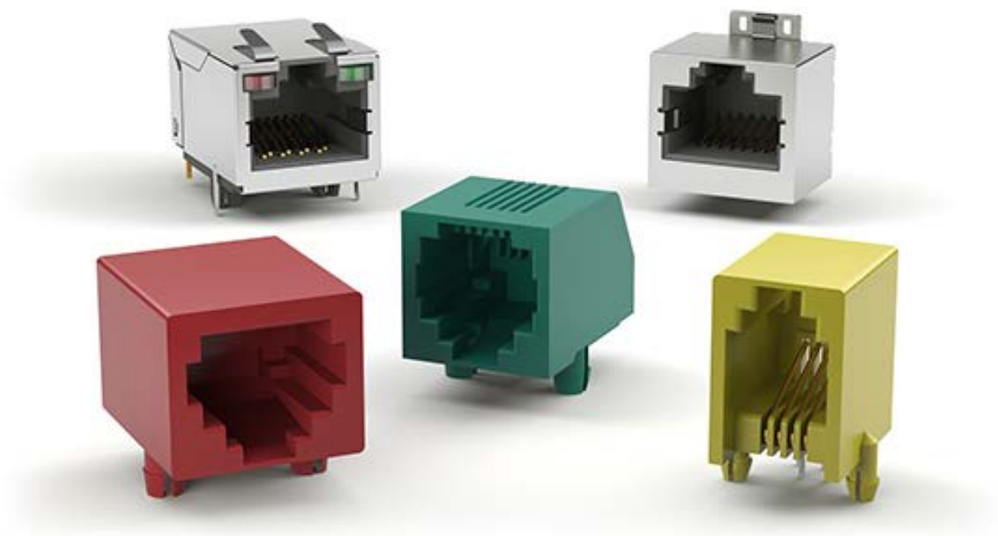
HOUSING TYPE TU



HOUSING TYPE A



Adam Tech Modular Jacks are a complete line of PCB and wire leaded jacks which are UL approved and meet all required FCC rules and regulations. Adam Tech offers a multitude of sizes (4P2C thru 10P10C) with styles including single, ganged and stacked versions with options of ferrite or magnetic filtering and or metal shielding. Jacks with integral LED's and combination hybrids such as MTJ/USB jacks are also available. These jacks are available in thru-hole or SMT mounting.



FEATURES & SPECIFICATIONS

FEATURES:
UL 1863 recognized versions
FCC compliant to No. 47 CFR part 68
Magnetic and Ferrite filtered types
4,6,8 and 10 positions available
Single, stacked or ganged
Hi-Temp and LED options
Unshielded or Metal Shielded
Thru-Hole or SMT mounting
Cat. 5 & 5e ANSI/TIA/EIA 568.2

MATING PLUGS:
Adam Tech modular plugs and all industry standard telephone plugs.

Packaging:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224049

SPECIFICATIONS:
Material:
Standard Insulator: PBT, or ABS, rated UL94V-0
Optional Hi-Temp Insulator: Nylon 6T rated UL94V-0
Insulator Colors: Black or medium gray
Contacts: Phosphor Bronze
Shield: Phosphor Bronze, Nickel plated

Contact Plating:
Flat contacts: Gold over Nickel underplate on contact area, Tin over Copper underplate on solder tails.
Round contacts: Gold over Nickel underplate overall

Electrical:
Operating voltage: 150V AC max.
Current rating: 1.5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force:
4 contacts: 17.6N
6 contacts: 20.6N
8 contacts: 22.5N
10 contacts: 24.5N

Durability:
500 Cycles

Temperature Rating:
Operating temperature: -40°C to +85°C

Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

MTJ	- 6	- 4	- 0	- 2	- 1	- S
SERIES	HOUSING PLUG SIZE	NO. OF CONTACT POSITIONS FILLED	HOUSING TYPE	PLATING	BODY COLOR	OPTIONS:
MTJ = *Modular Telephone Jack*	**4**, **6**, **8** *or* **10**	**2**, **4**, **6**, **8** *or* **10**	**0, 1, 2, 2B, 2C, 3, 5, 7, 9, A, E, F, G, H, K, M, T, V, W, WA, WB, Y, Q**	**X** = *Gold Flash over Nickel underplate Consult factory for additional plating options*	**1** = *Black* **2** = *Gray*	*See below*

OPTIONS:

Add designator(s) to end of part number
S = *Face shielded jack (Body type 0 only)*
FSX = *Full metal shield ((See Shield Pin Option Chart on page 44))*
SMT = *Surface mount tails, housings 0, 5, 9, G & W with Hi-Temp insulator*
N = *No panel stops (Types: 1, 0, 2, 3, D)*
K = *Keyed telephone jack*
HT = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)*
PG = *Panel ground tabs*
KT = *Kapton Tape pickup when applicable*

PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
MTJ-442BX2	4/4	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	View
MTJ-442CX2	4/4	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	View
MTJ-442X2	4/4	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	View
MTJ-443X1	4/4	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	View
MTJ-445X1	4/4	460" Height, Side Entry - Type 5	Right Angle, Through Hole	View
MTJ-447X1	4/4	Thru Hole Side Entry - Type 7	Right Angle, Through Hole	View
MTJ-44HX1	4/4	.504" Height, Top Entry, Smt - Type H	Vertical, Surface Mount	View
MTJ-44VX1-SMT	4/4	.626" Height, Top Entry, Smt - Type V	Vertical, Surface Mount	View
MTJ-623X1-N-HT-P355C-A	6/2	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	View
MTJ-640X1	6/4	498" Height, Side Entry - Type 0	Right Angle, Through Hole	View
MTJ-641X1	6/4	.622" Height, Side Entry - Type 1	Right Angle, Through Hole	View
MTJ-642BX2	6/4	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	View
MTJ-643X1	6/4	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	View
MTJ-645X1	6/4	460" Height, Side Entry - Type 5	Right Angle, Through Hole	View
MTJ-647X1	6/4	Thru Hole Side Entry - Type 7	Right Angle, Through Hole	View
MTJ-649X1	6/4	.484" Height, Side Entry - Type 9	Right Angle, Through Hole	View
MTJ-64FX1	6/4	Top Entry, Enclosed Body - Type F	Vertical, Through Hole	View
MTJ-64HX1	6/4	.504" Height, Top Entry, Smt - Type H	Vertical, Surface Mount	View
MTJ-64WAX1	6/4	453" Height, Side Entry, Smt - Type W	Right Angle, Surface Mount	View
MTJ-64WBX1	6/4	.472" Height, Thru Hole & Smt - Type W	Right Angle, Surface Mount	View
MTJ-64YX1	6/4	Internal Shield Low Profile Smt- Type Y	Right Angle, Surface Mount	View
MTJ-660X1	6/6	498" Height, Side Entry - Type 0	Right Angle, Through Hole	View
MTJ-661X1	6/6	622" Height, Side Entry - Type 1	Right Angle, Through Hole	View
MTJ-662BX2	6/6	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	View
MTJ-662X2	6/6	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	View
MTJ-663X1	6/6	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	View
MTJ-665X1	6/6	460" Height, Side Entry - Type 5	Right Angle, Through Hole	View
MTJ-667X1	6/6	Thru Hole Side Entry - Type 7	Right Angle, Through Hole	View
MTJ-669X1	6/6	.484" Height, Side Entry - Type 9	Right Angle, Through Hole	View
MTJ-66ARX1	6/6	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-66EX1	6/6	.551" Height, Side Entry - Type E	Right Angle, Through Hole	View
MTJ-66FX1	6/6	Top Entry, Enclosed Body - Type F	Right Angle, Through Hole	View
MTJ-66GX1	6/6	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-66HX1	6/6	.504" Height, Top Entry, Smt - Type H	Vertical, Surface Mount	View
MTJ-66KX1	6/6	.626" Height, Top Entry, Smt - Type K	Vertical, Surface Mount	View
MTJ-66VX1-SMT	6/6	.626" Height, Top Entry, Smt - Type V	Vertical, Surface Mount	View
MTJ-66WAX1	6/6	.472" Height, Thru Hole & Smt - Type W	Right Angle, Through Hole	View
MTJ-66WBX1	6/6	.472" Height, Thru Hole & Smt - Type W	Right Angle, Through Hole	View
MTJ-66YX1	6/6	Internal Shield Low Profile Smt- Type Y	Right Angle, Through Hole	View
MTJ-880X1	8/8	498" Height, Side Entry - Type 0	Right Angle, Through Hole	View
MTJ-881X1	8/8	622" Height, Side Entry - Type 1	Right Angle, Through Hole	View
MTJ-882BX1	8/8	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	View

PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
MTJ-883X1	8/8	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	View
MTJ-885X1	8/8	460" Height, Side Entry - Type 5	Right Angle, Through Hole	View
MTJ-887X1	8/8	Thru Hole Side Entry - Type 7	Right Angle, Through Hole	View
MTJ-889X1	8/8	.484" Height, Side Entry - Type 9	Right Angle, Through Hole	View
MTJ-889X1-FSE	8/8	.484" Height, Side Entry - Type 9	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-L16	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-LD	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-LG	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-LH	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-LP	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-LV	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-PG-L16	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-PG-LD	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-PG-LG	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-PG-LH	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-PG-LP	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88AAX1-FSV-PG-LV	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-L16	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-LD	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-LG	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-LH	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-LP	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-LV	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-PG-L16	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-PG-LD	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-PG-LG	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-PG-LH	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-PG-LP	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-PG-LV	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-SMT-PG-L16	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-SMT-PG-LD	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-SMT-PG-LG	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-SMT-PG-LH	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-SMT-PG-LP	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-FSM-SMT-PG-LV	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-L16	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-LD	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-LG	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-LH	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-LP	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX1-LV	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View
MTJ-88ARX2-LH-HT-D	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	View

PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
MTJ-88CPX1-RF3-SMT	8/8	Edge Hang - Type C	Right Angle, Surface Mount	View
MTJ-88DX1-FSQ-L16	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-FSQ-LD	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-FSQ-LG	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-FSQ-LH	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-FSQ-LP	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-FSQ-LV	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-L16	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-LD	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-LG	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-LH	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-LP	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-LV	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88DX1-N-LG-P485U-HT	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	View
MTJ-88EX1	8/8	.551" Height, Side Entry - Type E	Right Angle, Through Hole	View
MTJ-88FX1	8/8	Top Entry, Enclosed Body - Type F	Vertical, Through Hole	View
MTJ-88GX1	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-L16	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-LD	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-LG	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-LH	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-LP	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-LV	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-PG-L16	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-PG-LD	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View

PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
MTJ-88GX1-FSD-PG-LG	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-PG-LH	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-PG-LP	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-PG-LV	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-FSD-PG6	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88GX1-P285C-HT-D	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	View
MTJ-88HX1	8/8	.504" Height, Top Entry, Smt - Type H	Right Angle, Through Hole	View
MTJ-88KX1	8/8	.626" Height, Top Entry, Smt - Type K	Vertical, Surface Mount	View
MTJ-88TX1	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-L16	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-LD	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-LG	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-LH	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-LP	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-LV	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-L16	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-LD	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-LG	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-LH	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-LP	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PG-LV	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-FSD-PGB	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-L16	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-LD	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-LG	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-LH	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-LP	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88TX1-LV	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	View
MTJ-88VX1-SMT	8/8	.626" Height, Top Entry, Smt - Type V	Vertical, Surface Mount	View
MTJ-88WAX1	8/8	.472" Height, Thru Hole & Smt - Type W	Right Angle, Surface Mount	View
MTJ-88WBX1	8/8	.472" Height, Thru Hole & Smt - Type W	Right Angle, Surface Mount	View
MTJ-88YX1	8/8	Internal Shield Low Profile Smt- Type Y	Right Angle, Surface Mount	View
MTJ-DUSB-88JX1-FS-LH	8/8			View

Adam Tech Multi Port Jack Connectors combine multiple modular jack ports into one connector. The number of ports range from 2 to 16, configured in a ganged or stacked orientation. Other options include number of position/contacts, shielding, tab direction, and LEDs.

FEATURES & SPECIFICATIONS

FEATURES:
Multiple positions/contacts
Number of ports ranging from 2 to 16
Ganged or stacked orientation
Right angle
Through hole or surface mount
Shielded or unshielded
Up and/or down tab directions
LED options

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224049

SPECIFICATIONS:

Material:
Insulator: PA66 or PBT, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor bronze or copper alloy
Shield: Brass, nickel plated

Contact Plating:
Gold over nickel underplate overall

Electrical:
Operating voltage: 150V AC max.
Current rating: 1.5 Amps max.
Contact resistance range: 20 to 35 mohms max
Insulation resistance range: 500 to 1000 Mohms min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Recommended wire size range: 18 to 28 AWG
O.D. insulation max.

Temperature Rating:
Operating temperature range: -40°C to +125°C

PART NUMBER CONFIGURATION

MTJG- 6 - 64 - 2 - 2 - 1 - LD -FSX

SERIES	NO. OF PORTS	PORT SIZE / POSITIONS FILLED	HOUSING TYPE	PLATING	HOUSING COLOR	LED	OPTIONS:
MTJG = *Ganged Telephone Jack*	**2** *thru* **6**	**64** = *6 position, 4 contacts (6P4C)* **66** = *6 position, 6 contacts (6P6C)* **88** = *8 position, 8 contacts (8P8C)* **86** = *8 position, 6 contacts (8P6C)* **1010** = *10 position, 10 contacts (10P10C)* **108** = *10 position, 8 contacts (10P8C)*	**2, 2B, 2C, 3, 3A, 5, 7V, 7H, A, AM, AK, AR, AT AV, AY, B, C, G, N, T, TU, Q, S, SA**	**X** = *Gold Flash* **0** = *15 µin gold* **1** = *30 µin gold* **2** = *50 µin gold* **6** = *6 µin gold*	**1** = *Black* **2** = *Medium Gray (Housing Type 7 only)*	*Configuration See Chart above Leave blank for no LEDs HOUSING TYPE AR, AM, C, G, J, T, TU, M, Q, S, SA*	*See below*

OPTIONS:

Add designator(s) to end of part number
SMT = *Surface mount tails with Hi-Temp insulator for hi-temp soldering processes up to 260°C*
PG = *Panel ground tabs*
C5E = *Cat 5e*
S = *Face shielded jack*
HT = *Hi-Temp insulator for Hi-Temp soldering processes up to 260C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)*
FSX = *Full metal shield (See Shield Pin Option Chart on page 44)*

PART NUMBER	PORTS	CONTACT POSITIONS / CONTACTS FILLED	MOUNTING ORIENTATION	BODY STYLE	PRODUCT DATA
MTJG-12-88JX1-FSG-PG	2 x 6	8/8	Right Angle, Through Hole		View
MTJG-2-642X1	1 x 2	8/8	Right Angle, Through Hole	Side Entry - Type 2, 2b & 2c	View
MTJG-2-66NX1	1 x 2	8/8	Right Angle, Through Hole	Thru Hole & Smt - Type 5 & N	View
MTJG-2-88ARX1-FSW-PG-LH-P114C-HT-A	1 x 2	8/8	Right Angle, Through Hole	Led Jack .531" Height Top Tab & Top Leds - Type AR	View
MTJG-2-88ARX1C-LE	1 x 2	8/8	Right Angle, Through Hole	Led Jack .531" Height Top Tab & Top Leds - Type AR	View
MTJG-2-88GX1-FSG	1 x 2	8/8	Right Angle, Through Hole	Side Entry - Type G	View
MTJG-2-88JX1-FSG-PG-L16	2 x 1	8/8	Right Angle, Through Hole	Ganged & Stacked Side Entry Jack - Type J	View
MTJG-2-88JX1-FSG-PG-P114C	2 x 1	8/8	Right Angle, Through Hole	Ganged & Stacked Side Entry Jack - Type J	View
MTJG-2-88JX1-FSH-LH-Y-HT	2 x 1	8/8	Right Angle, Through Hole	Ganged & Stacked Side Entry Jack - Type J	View
MTJG-3-665X1	1 x 3	8/8	Right Angle, Through Hole		View
MTJG-3-667HX2	1 x 3	8/8	Right Angle, Through Hole	Top & Side Entry - Type 7	View
MTJG-3-667VX2	1 x 3	8/8	Right Angle, Through Hole	Top & Side Entry - Type 7	View
MTJG-3-885X1	1 x 3	8/8	Right Angle, Through Hole		View
MTJG-4-888X1-P114C-HT-B	1 x 4	8/8	Right Angle, Through Hole		View
MTJG-4-88ARX1-FSM-PG-LG	1 x 4	8/8	Right Angle, Through Hole	Led Jack .531" Height Top Tab & Top Leds - Type AR	View
MTJG-4-88ARX1-FSW-P114C-HT-A	1 x 4	8/8	Right Angle, Through Hole	Led Jack .531" Height Top Tab & Top Leds - Type AR	View
MTJG-4-88GX1-FSB	1 x 4	8/8	Right Angle, Through Hole	Side Entry - Type G	View
MTJG-4-88GX1-FSB-PG	1 x 4	8/8	Right Angle, Through Hole	Side Entry - Type G	View
MTJG-4-88TX1-P114C-HT-A	1 x 4	8/8	Right Angle, Through Hole		View
MTJG-8-88JX1-FSG-PG	2 x 4	8/8	Right Angle, Through Hole	Ganged & Stacked Side Entry Jack - Type J	View
MTJG-X-642BX1	1 x 2	6/4	Right Angle, Through Hole		View
MTJG-X-882CX1	1 x 2	8/8	Right Angle, Through Hole		View

Adam Tech's Modular Plugs provide modular jacks with an ideal mating solution. The series features a broad range of positions/contacts from 4P4C to 10P10C. Other options include shielded or unshielded, stranded or solid wire types, and flat or round cables. High speed solutions are available, with ratings ranging from Cat3 to Cat8. The series is complimented with accessories such as strain reliefs and hoods.

FEATURES & SPECIFICATIONS

FEATURES:
Preassembled Contacts
REA Compliant Terminations
Cat. 5 and 5E available
Contacts for Flat of Round wire
Short or Long body choices
Shielded versions

MATING TELEPHONE JACKS:
Adam Tech modular jack series and all industry standard telephone Jacks.

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224049

SPECIFICATIONS:

Material:
Insulator: Polycarbonate, rated UL94V-0
Insulator Color: Clear, (Blue optional)
Contacts: Phosphor Bronze

Contact Plating:
Gold over nickel underplate.

Electrical:
Operating voltage: 150V AC max.
Current rating: 1.5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Cable to plug tensile strength: 7.71 Kgs (17 lbs) min.
Durability: 250 Cycles min.
Wire range: 26 to 28 Awg

Temperature Rating:
Operating temperature: -40°C to +70°C

PART NUMBER CONFIGURATION

MTP	- 6	- 4	- U	- K
SERIES	**PLUG SIZE**	**NO. OF CONTACTS**	**PLATING**	**OPTIONS:**
MTP = *Modular telephone plug, standard oval wire type* **MTPR** = *Modular telephone plug for round cable*	**4, 6, 8** *or* **10**	**4, 6, 8** *or* **10**	**U** = *15 µin gold* **W** = *30 µin gold* **G** = *50 µin gold*	*Add designator(s) to end of part number* **K** = *Molded in key (Plug size 8 & 10 only)* **S** = *Solid wire contacts* **EMI** = *Metal shielded type (Plug size 8 or 10 only)* **OL** = *Offset Latch (Plug size 6 only)*

PART NUMBER	NUMBER OF POSITIONS/CONTACTS	SHIELDING	WIRE TYPE	CABLE TYPE	RATING	PRODUCT DATA
MTP-1010	10P10C	Unshielded	Stranded	Flat	CAT 3	View
MTP-44-X	4P4C (RJ9, RJ10, RJ22)	Unshielded	Stranded	Flat	CAT 3	View
MTP-64-X	6P4C (RJ11, RJ14)	Unshielded	Stranded	Flat	CAT 3	View
MTP-66-X	6P6C (RJ11, RJ12, RJ14, RJ25)	Unshielded	Stranded	Flat	CAT 3	View
MTP-82	8P2C (RJ45)	Unshielded	Stranded	Flat	CAT 3	View
MTP-88	8P8C (RJ45)	Unshielded	Stranded	Flat	CAT 3	View
MTP-88-X	8P8C (RJ45)	Unshielded	Stranded	Flat	CAT 3	View
MTP-88-X-EMI-SP1	8P8C (RJ45)	Shielded	Stranded	Flat	CAT 3	View
MTPR-1010	10P10C	Unshielded	Stranded	Round	CAT 3	View
MTPR-44	4P4C (RJ9, RJ10, RJ22)	Unshielded	Stranded	Round	CAT 3	View
MTPR-66	6P6C (RJ11, RJ12, RJ14, RJ25)	Unshielded	Stranded	Round	CAT 3	View
MTPR-82	8P2C (RJ45)	Unshielded	Stranded	Round	CAT 3	View
MTPR-88	8P8C (RJ45)	Unshielded	Stranded	Round	CAT 3	View
MTPR-88-X	8P8C (RJ45)	Unshielded	Stranded	Round	CAT 3	View
MTPR-88-X-C	8P8C (RJ45)	Unshielded	Stranded	Round	CAT 3	View
MTPR-88-X-S	8P8C (RJ45)	Unshielded	Solid	Round	CAT 3	View

Adam Tech's High Speed Modular Plugs support device bandwidth requirements with dependability and speed. These plugs boast speeds of Cat 5, Cat 6, Cat 6a, and Cat 8. The series is supported by accessories such as strain relief, plastic hoods, and plating options. Adam Tech is dedicated to supplying signal transmission applications with top-quality modular products.

FEATURES & SPECIFICATIONS

FEATURES:
8P8C
Speeds: Cat 5, 6, 6a, and 8
Gold plating options
Plugs for standard flat and round cables
Metal shielded plugs
Strain relief
Plastic hood
Solid wire contacts
UL certified

APPLICATIONS:
Internet
Computer networking
Telecommunications

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224049

SPECIFICATIONS:

Material:
Insulator: PC or PA6
Insulator color: Clear
Contacts: Copper alloy

Contact Plating:
Contact area: Gold over nickel underplate

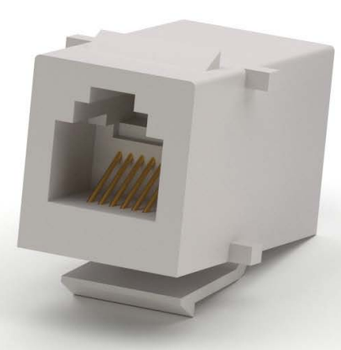
Electrical:
Voltage rating: 150 VAC rms
Current rating: 1.5 Amp
Contact resistance: 20 mohms max
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC for 1 minute

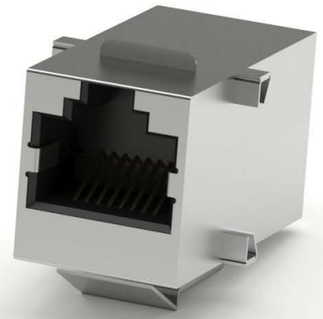
Mechanical:
Wire range: 21~26AWG

Temperature Rating:
Operating temperature range: -25°C to +55°C

PART NUMBER	NUMBER OF POSITIONS/ CONTACTS	SHIELDING	WIRE TYPE	CABLE TYPE	RATING	ACCESSORIES	PRODUCT DATA
MTP-88-C6-SR-AX	8P8C (RJ45)	Unshielded			CAT 6	Strain Relief	View
MTP-88-C8-SR-AX	8P8C (RJ45)	Unshielded			CAT 8	Strain Relief	View
MTP-88-HD-A	8P8C (RJ45)	Unshielded				Hood	View
MTP-88-X-S-C6-A	8P8C (RJ45)	Unshielded	Solid	Flat	CAT 6		View
MTP-88-X-S-C6AX	8P8C (RJ45)	Unshielded	Solid	Flat	CAT 6a		View
MTP-88-X-S-C8-A	8P8C (RJ45)	Unshielded	Solid	Flat	CAT 8		View
MTPR-88-X-S-C6-A	8P8C (RJ45)	Unshielded	Solid	Round	CAT 6		View

Keystone Style Modular Jacks provide increased speed to data communication and LAN wiring applications. Adam Tech's snap-in keystone jacks offer speed ratings up to Cat5e and Cat6. These parts are unshielded and available in various positions/ contacts.





FEATURES & SPECIFICATIONS

FEATURES:
Multiple positions/contacts
Snap-in mounting
Various configurations
Ratings: Cat 5e, Cat 6, and Cat 6a
Shielded or unshielded

SPECIFICATIONS:

Material:
Housing: ABS or zinc alloy
Contact Plating:
Gold over nickel underplate overall

Electrical:
Current rating: 1.5 Amps
Contact resistance: 20 mohms max
Insulation resistance range: 500 to 1000 Mohms min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Temperature Rating:
Operating temperature range: -10°C to +60°C

PART NUMBER CONFIGURATION

MTJK- 8 - 8 - 1 - C5E - B - 0

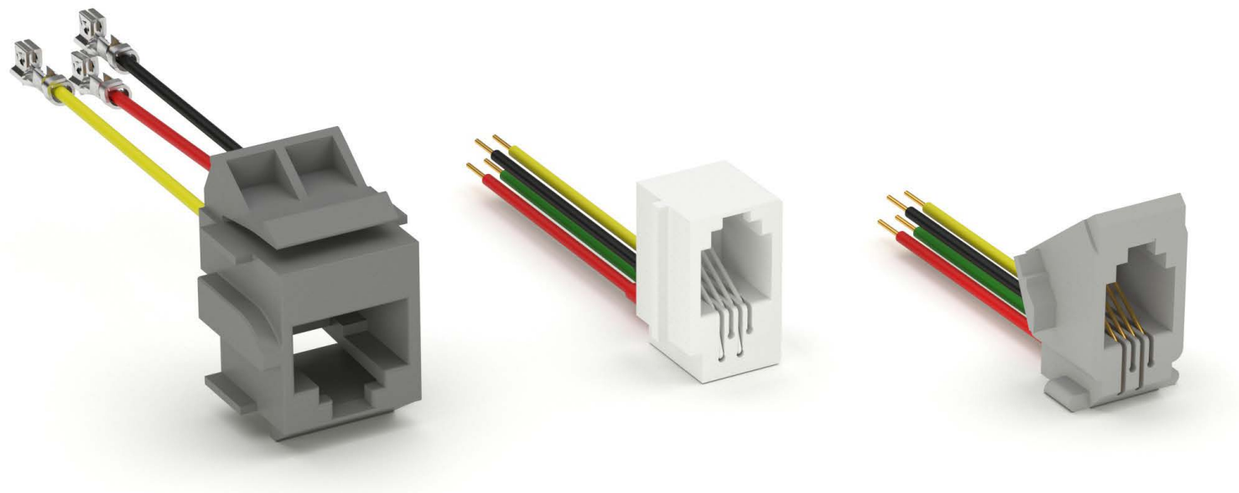
SERIES	HOUSING SIZE	POSITIONS FILLED	BODY STYLE	PERFORMANCE LEVEL	INSULATOR COLOR	PLATING
MTJK = *Modular Keystone Jack*	**8**	**4, 6,** *or* **8**	**1** *thru* **99**	**C2** = *Standard* **C5** = *Cat 5* **C5E** = *Cat 5e* **C6** = *Cat 6* **C6A** = *Cat 6a* **C7** = *Cat 7* **C8** = *Cat 8*	**B** = *Black* **Y** = *Yellow* **W** = *White* **R** = *Red* **IV** = *Ivory* **G** = *Green* **GY** = *Gray* **BL** = *Blue* **OR** = *Orange*	**Blank** = *Gold Flash* **15** = *15 µin gold* **30** = *30 µin gold* **50** = *50 µin gold*

PART NUMBER	CONNECTOR	HOUSING SIZE	POSITIONS FILLED	OPTIONS	PRODUCT DATA
MTJK-84-01-C5E	Keystone Jack	8	4		View

CASE STUDY

Keystone Jacks can be found at the back of an office phone and are used to connect the device to the telephone line.

Adam Tech MTJP Series Wire Leaded Handset and Panel Jacks are conveniently prepared with wire leads ready for final assembly. This series has a multitude of housing shapes to fit many specific applications. They are offered in 4, 6, & 8 positions with choice of Stripped and Tinned leads or leads with Spade Terminals. Adam Tech jacks are UL and CSA approved and meet all required FCC rules and regulations.



FEATURES & SPECIFICATIONS

FEATURES:
UL approved
FCC compliant to No. 47 CFR part 68
Prepared for Final Assembly
4P, 6P and 8P versions
Custom Jacks available

MATING PLUGS:
All industry standard line cords manufactured with telephone plugs

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224049

SPECIFICATIONS:

Material:
Insulator: ABS, (Nylon 66 optional), rated UL94V-0
Insulator Colors: Medium gray or black
Contacts: Phosphor Bronze
Wires: 26 Awg, UL-1061, 80°C, VW-1, 300V.

Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 150V AC max.
Current rating: 1.5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:
Insertion force: 4 Contacts: 500g, 6 contacts 750g
8 contacts: 900g, 10 contacts: 1000g
Durability: 500 Cycles min.

Temperature Rating:
Operating temperature: -40°C to +85°C

PART NUMBER CONFIGURATION

MTJP	-	616E	-	X	-	A1	-	1
SERIES		**HOUSING**		**CONTACT PLATING**		**WIRE LEAD TYPE**		**HOUSING COLOR**
MTJP = *Wire Leaded Jack*		**616B, 616E, 616L, 616M, 616P, 616W, 623K4, 623K6, 623P4, 623P6, 623T4, 623T6, 648K4, 648K6, 641**		**X** = *Gold Flash* **0** = *15 µin. gold* **1** = *30 µin. gold* **2** = *50 µin. gold*		**A1** = *7" Wire leads, stripped 1/4" and tinned* **A2** = *7" Wire leads, with spade terminal*		**1** = *Black* **2** = *Medium Gray*

PART NUMBER	POSITIONS	CONTACTS LOADED	MOUNTING STYLE	WIRE TERMINATION	KEYED	PRODUCT DATA
MTJP-616E-X-A1-1	4	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		View
MTJP-616L-X-A1-2	4	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		View
MTJP-616M-X-A1-2	4	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		View
MTJP-616W-X-A1-2	4	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		View
MTJP-623-K4-X-A1-1	6	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		View
MTJP-623-K6-X-A1-1	6	6	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		View
MTJP-623-P4-X-A1-1	6	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		View
MTJP-641-X-A1-1	6	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		View
MTJP-648-K4-X-A1-1	6	4	Snap In	7" Wire Leads, Stripped 1/4" and Tinned		View
MTJP-648-K6-X-A1-1	6	6	Snap In	7" Wire Leads, Stripped 1/4" and Tinned		View

Adam Tech's Combo Modular Jack series offers versatility with the inclusion of USB ports. These RJ45/USB Combo connectors are fully shielded and equipped with LEDs. Options include single or dual USB ports, integrated magnetics, and speed. This modular jack/USB design increases product flexibility and further alleviates capacity constraints.

FEATURES & SPECIFICATIONS

FEATURES:
8P8C RJ45s
Type A (USB 2.0 and USB 3.0)
Single and dual port USB
Right angle, through hole mounting
Fully shielded
Integrated magnetic options
LED options

SPECIFICATIONS:

Material:
Insulator: PA66 or PBT, rated UL 94V-0
Insulator color: Black
Contacts: Copper alloy or phosphor bronze
Shield: Brass or copper alloy, nickel plated; or stainless steel

Contact Plating:
Gold over nickel underplate overall

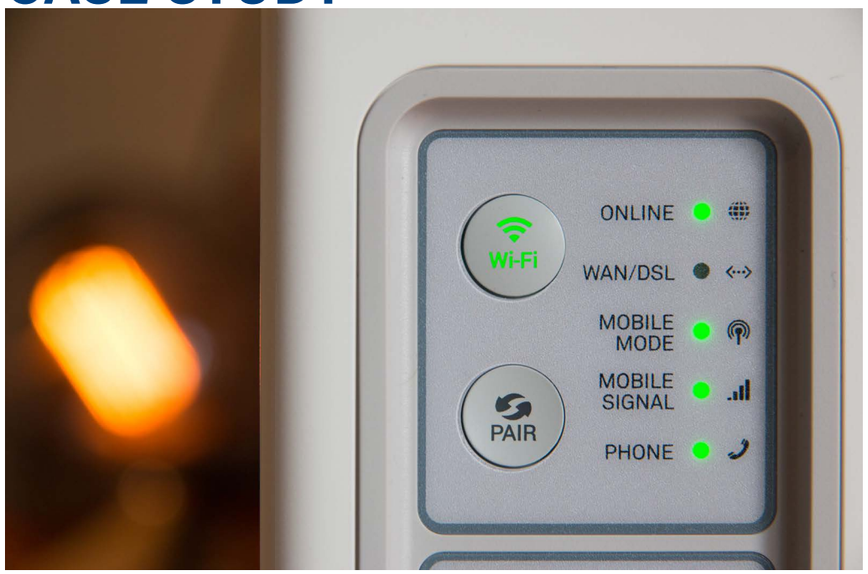
Electrical:
Current rating: 1.5 Amps max
Voltage rating: 150V AC
Contact resistance range: 20 to 30 mohms max
Insulation resistance: 500 Mohms min.
Dielectric withstanding voltage range: 500 to 1000V AC for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224049

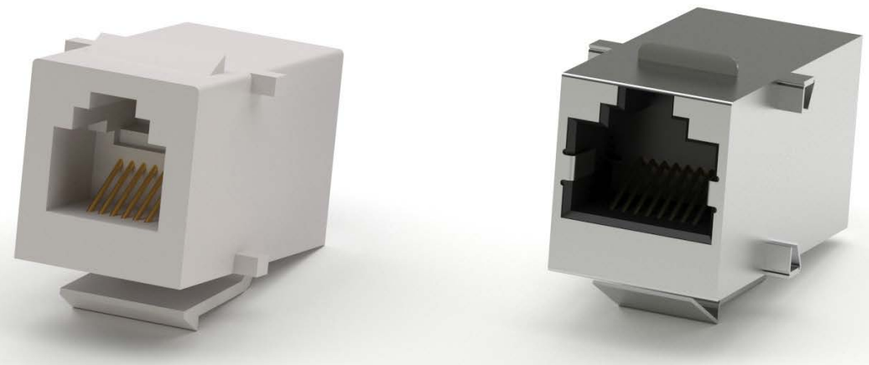
PART NUMBER	NUMBER OF POSITIONS/ CONTACTS	MOUNTING ORIENTATION	USB TYPE	NUMBER OF USB PORTS	SHIELDING	LED	INTEGRAL MAGNETICS	APPLICATION	PRODUCT DATA
MTJ-DUSB-88JX1-FS-L29-M339Y	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Dual USB Port	Full Shield	Green/ Orange - Yellow	Yes	1G Base-T w/protect component	View
MTJ-DUSB-88JX1-FS-LH	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Dual USB Port	Full Shield	Green - Yellow	No	N/A	View
MTJ-DUSB-88JX1-FS-RL35-M86C	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Dual USB Port	Full Shield	Green - Green/ Yellow	Yes	1G Base-T	View
MTJ-USB-88JX1-FS-PG-LH-M41C	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Single USB Port	Full Shield	Green - Yellow	Yes	10/100 Base-T	View
MTJ-USB-88JX1-FS-PG-LH-M49Y	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Single USB Port	Full Shield	Green - Yellow	Yes	10/100 Base-T (POE)	View
MTJ-USB-88JX1-FS-PG-LL-M41	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Single USB Port	Full Shield	Orange/ Green - Yellow	Yes	10/100 Base-T	View

CASE STUDY



Modular Jack & USB combo connectors are commonly used in routers where both an ethernet connection and USB data connection (example: connecting an external storage device to be wirelessly accessible by multiple devices) are required.

RJ45 Couplers and Adapters provide LAN networks with the ability to extend a network cable to reach a device. Adam Tech's line of RJ45 couplers and adapters are compatible with modular jacks of various positions/contacts, and support ratings up to Cat5e and Cat6. Other options include snap-in or free hang mounting, as well as full shield or unshielded.



FEATURES & SPECIFICATIONS

FEATURES:
Multiple positions/contacts
Various configurations
Free hanging or snap-in mounting
Shielded or unshielded
Available ratings: Cat 5e and Cat6

SPECIFICATIONS:

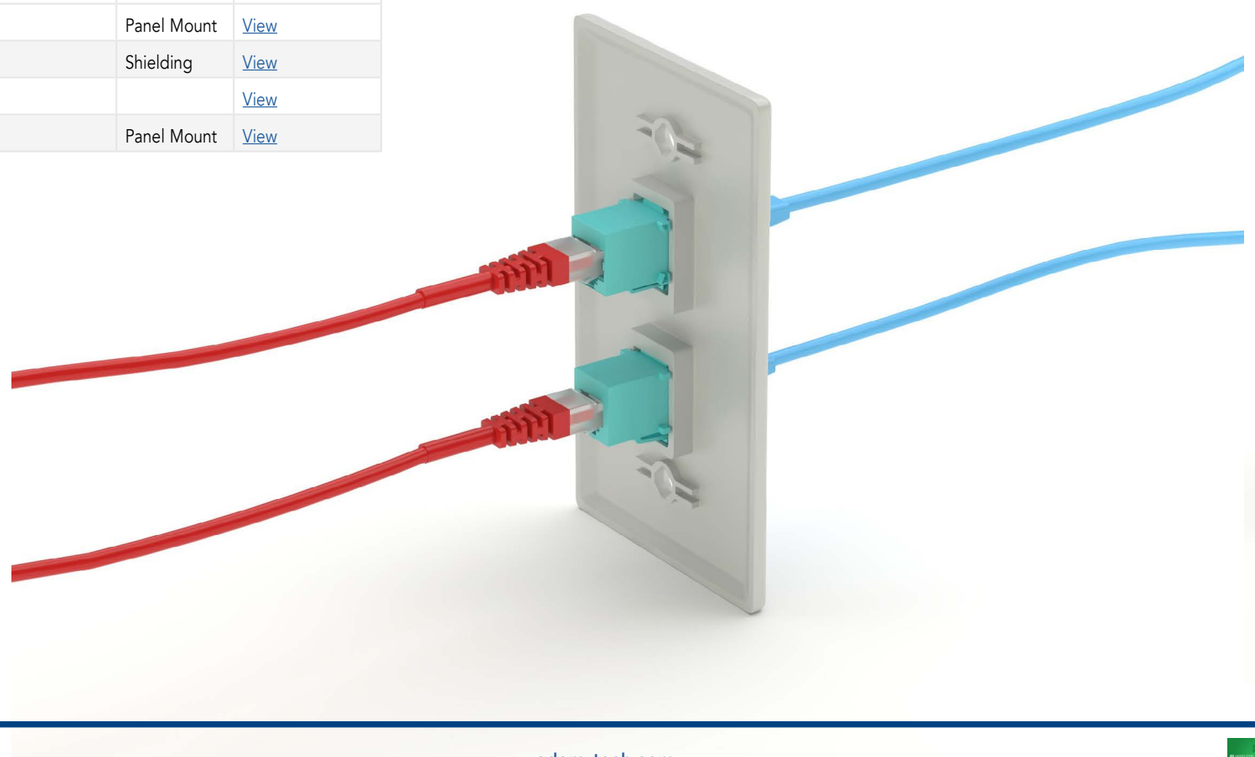
Material:
Insulator: ABS or PBT, rated UL 94V-0
Insulator color: Black or white
Contacts: Brass or phosphor bronze
Shield: Stainless steel

Contact Plating:
Contact area: Gold over nickel underplate
Solder tails: Tin over copper underplate

Electrical:
Current rating: 1.5 Amps
Voltage rating range: 125 to 150V AC
Contact resistance range: 20 to 60 mohms max
Insulation resistance: 1000 Mohms min. @ 500 VDC
Dielectric withstanding voltage range: 750 to 1000V AC for 1 minute

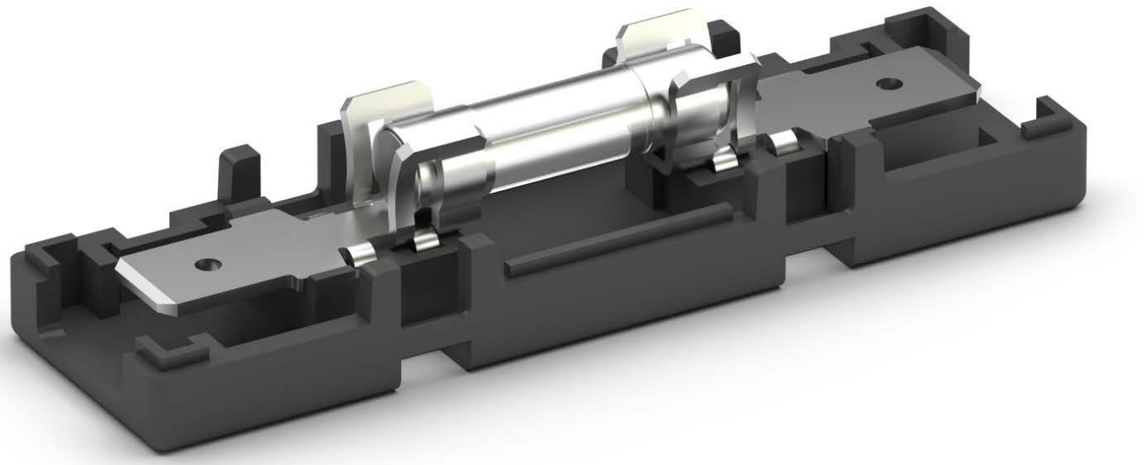
Temperature Rating:
Operating temperature range: -40°C to +85°C

PART NUMBER	CONNECTOR	HOUSING SIZE	POSITIONS FILLED	OPTIONS	PRODUCT DATA
MTJC-66-X-B	Coupler	6	6	Panel Mount	View
MTJC-88-X-B-S	Coupler	8	8	Shielding	View
MTJC-88-X-C5E-A	Coupler	8	8		View
MTJC-88-X-PB-C6	Coupler	8	8	Panel Mount	View



Fuse Holders

Adam Tech Fuseholders are fully enclosed in Hi Temp thermoplastic with integrated .250" Male Quick Connect terminals on either side. The unique plastic enclosure offers a stacking side mount option to integrate a series of fuseholders side by side. Available in 0.50, 3, and 6 Amp options, Adam Tech fuseholders are an efficient option for protecting your application.



FEATURES & SPECIFICATIONS

FEATURES
0.50, 3, and 6 Amp versions (custom amperages available upon request)
Side Stackability
Compact, Protective Enclosure

MATING CONNECTORS:
Wire Mounted Female Quick Disconnect Terminals

PACKAGING:
Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no: Each fuse is individually UL approved

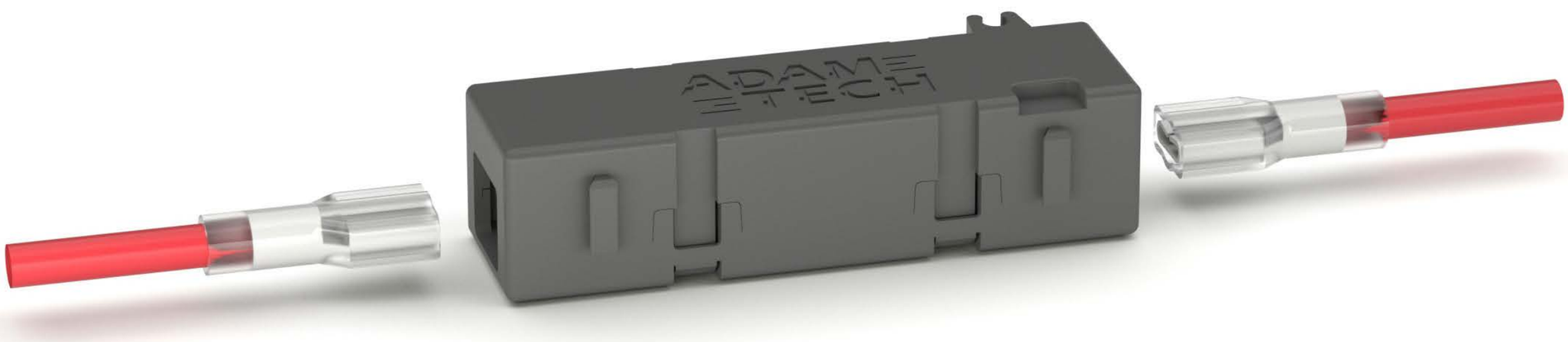
SPECIFICATIONS:

Material:
Hi-Temp insulator: Thermoplastic Rated UL 94-V0
Insulator Color: Black
Contacts: Phosphor Bronze
Contact Plating: Tin Plating

Electrical:
Operating Voltage:
Current Rating:
Contact Resistance:
Insulation Resistance:
Dielectric Withstanding Voltage:

Temperature Ratings:
Operating Temperature: -20C to +70C

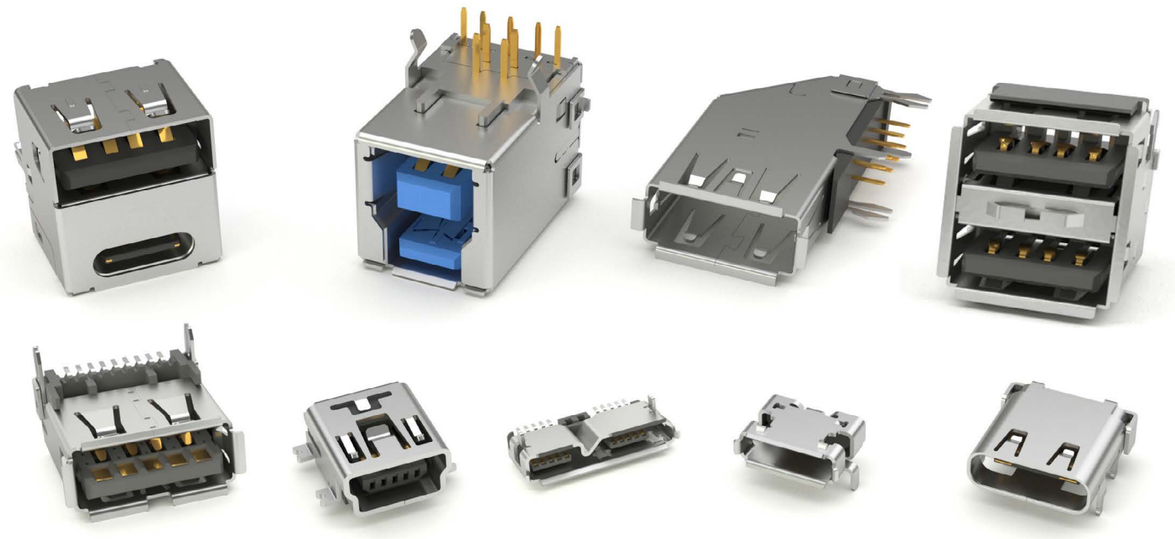
PART NUMBER	CURRENT RATING	PRODUCT DATA
FH-A-A01A	0.5 Amps	View
FH-A-A01B	3 Amps	View
FH-A-A01C	6 Amps	View



USB Connectors

UNIVERSAL SERIAL BUS

Adam Tech USB, USB4, Mini USB, Micro USB, and USB Type C 3.1 series connectors are a complete line of shielded, hot pluggable, high speed I/O interface connectors available in a variety of body styles, sizes, positions and mounting orientations. Each is shielded for superior EMI/RFI protection and features spring contacts for exceptional connectivity properties. Specially designed shells with flares eliminate misconnection and kinked boardlocks add a strong, stable PCB attachment. An ideal solution for low cost, high speed connection to peripheral devices.



FEATURES & SPECIFICATIONS

FEATURES:

Type A, B, AB, A4, and C
USB-IF Compatible
High Speed I/O applications
Variety of Circuit sizes
Variety of Body Styles
Shielded for EMI/RFI protection

MATING CONNECTORS:

All industry standard USB products

PACKAGING:

Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053
USB-IF Implementers Forum

SPECIFICATIONS:

Material:

Standard insulator: PBT, Glass filled, rated UL94V-0
Optional Hi-Temp insulator: Nylon PA9T, rated UL94V-0
Insulator Color: Black (White optional)
Contacts: Phosphor Bronze or Brass
Shell: Steel, nickel plated

Contact Plating:

Gold over Nickel on mating area,
Tin over Copper underplate on tails

Electrical:

Operating Voltage: 30V AC
Current Rating: 1 Amp max.
Contact Resistance: 30 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 100V AC for 1 minute

Mechanical:

Insertion force: 3 oz max.
Withdrawal force: 0.5 oz min.

Temperature Ratings:

Operating Temperature: -55°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

USB	-	A	-	S	-	RA	-	SMT
SERIES		**TYPE**		**PORTS**		**MOUNTING ANGLE**		**OPTIONS:**
USB = *Universal Serial Bus* **MUSB** = *Mini USB* **MCR** = *Micro USB*		**A** = *USB Type "A"* **AB** = *USB Type "AB" (Mini) mid-mount* **AB1** = *USB Type AB (Mini Top Mount)* **AP** = *USB Type A Plug* **A3** = *USB 3.0 Type "A"* **A4** = *USB 4.0 Type "A"* **B** = *USB Type "B"* **B3** = *USB 3.0 Type "B"* **B4** = *USB Type "B" (Mini) 4 pin* **B5** = *USB Type "B" (Mini) 5 pin* **BP** = *USB Type "B" Plug* **C20** = *USB 2.0 Type "C"* **C31** = *USB 3.1 Type "C"* **C40** = *USB 4.0 Type "C"*		**S** = *Single port* **D** = *Dual port* **T** = *Triple port* **Q** = *Quad port*		**RA** = *Right Angle* **RU** = *Right Angle Upright* **VT** = *Vertical Mount* **S** = *Wire Termination (Plug Only)*		*See below*

OPTIONS:

Add designator(s) to end of part number

15 = *15u" Gold*
30 = *30u" Gold*
BK = *Black Body*
EH = *Edge Hang*
EH1 = *Edge Hang type 1*
HF = *Halogen Free*
HT = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)*
KT = *Mylar*
MF = *With Mounting Flange*
NF = *No Flange*
NK = *No Kink*
NP = *No Peg*
PG = *Peg*
PP = *Pick and Place Cap*
R = *Reverse*
SMT = *Surface Mount Leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C*
SS = *Short Shield*
TF = *Top Flange*
T/R = *Tape & Reel packaging*
TSMT = *True Surface Mount Leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C*
WP = *Waterproof*
WT = *White color insulator*

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
MCR-7P-S-RA-SMT-GY	Receptacle	Micro USB		Right Angle Surface Mount	Single Port	View
MCR-AB-MPLUG-01	Plug	Micro USB	AB Mid-Mount			View
MCR-AB-S-RA-SMT-CS1	Receptacle	Micro USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	View
MCR-AB-S-RA-SMT-NP	Receptacle	Micro USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	View
MCR-AB-S-RA-SMT-WP-EH-TR	Receptacle	Micro USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	View
MCR-AB-S-RA-TSMT-CS2-TR	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MCR-AB-S-RA-TSMT-CS3-TR	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MCR-AB-S-RA-TSMT-NCS1	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MCR-AB-S-RA-TSMT-P-CS2-TR	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MCR-AB-S-V-TSMT-P-TR	Receptacle	Micro USB	AB Mid-Mount	Vertical Surface Mount	Single Port	View
MCR-AB-S-VT	Receptacle	Micro USB	AB Mid-Mount	Vertical Thru Hole	Single Port	View
MCR-AB-S-VT-1.99	Receptacle	Micro USB	AB Mid-Mount	Vertical Thru Hole	Single Port	View
MCR-AB-S-VT-TR	Receptacle	Micro USB	AB Mid-Mount	Vertical Thru Hole	Single Port	View
MCR-AB1-S-RA-SMT-CS1-KT-TR	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	View
MCR-AB1-S-RA-SMT-CS1-TR	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	View
MCR-AB1-S-RA-SMT-CS2-NF-TR	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	View
MCR-AB1-S-RA-SMT-TR	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	View
MCR-AB3-RA-SMT	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port	View
MCR-AB3-RA-SMT-CS1	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port	View
MCR-AB3-RA-SMT-PD	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port	View
MCR-AB3-RA-SMT-PD-TR	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port	View
MCR-AB3-RA-TSMT	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	View
MCR-AB3-RA-TSMT-15	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	View
MCR-AB3-RA-TSMT-CS1	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	View
MCR-AB3-RA-TSMT-CS1-15	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	View
MCR-AB3-RA-TSMT-CS1-15-TR	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	View
MCR-AB3-RA-TSMT-CS1-HF	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	View
MCR-AB3-RA-TSMT-CS1-HF-TR	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	View
MCR-AP3	Plug	Micro USB	Type A 3.0			View
MCR-B-MPLUG-01	Plug	Micro USB	Type B			View
MCR-B-MPLUG-011-HF	Plug	Micro USB	Type B			View
MCR-B-MPLUG-02	Plug	Micro USB	Type B			View
MCR-B-MPLUG-03	Plug	Micro USB	Type B			View
MCR-B-MPLUG-04-NS	Plug	Micro USB	Type B			View
MCR-B-MPLUG-05	Plug	Micro USB	Type B			View
MCR-B-MPLUG-06	Plug	Micro USB	Type B			View
MCR-B-MPLUG-07	Plug	Micro USB	Type B			View
MCR-B-MPLUG-08	Plug	Micro USB	Type B			View
MCR-B-MPLUG-09	Plug	Micro USB	Type B			View
MCR-B-MPLUG-CS3	Plug	Micro USB	Type B			View
MCR-B-MPLUG-CS5-XC	Plug	Micro USB	Type B			View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
MCR-B-MPLUG-CS8	Plug	Micro USB	Type B 5 Pin			View
MCR-B-S-PLUG-01	Plug	Micro USB	Type B			View
MCR-B-S-PLUG-01-NC	Plug	Micro USB	Type B			View
MCR-B-S-PLUG-01A	Plug	Micro USB	Type B			View
MCR-B-S-RA-M2-SMT	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-CS1-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-CS10-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-CS14-T/R	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-CS3-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-CS5-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-CS5A-NF-T/R	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-CS7-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-CS9-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-EH4-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-EH4A	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-EH4B-T/R	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-EH6-INV-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-INV-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-NP-CS2-15-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-NP-CS2-30-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-NP-CS2-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-NP-CS4-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-NP-CS6B	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-NP-CS6B-T/R	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-SMT-WP-EH-TR	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	View
MCR-B-S-RA-TSMT-CS1-WP-T/R	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-CS3-30-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-CS3-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-CS4A-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-CS4B-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-CS4C-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-EH1A-SST-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-EH2-15-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-EH2-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-EH3	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-EH5-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-INV-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-NP-CS2-30-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-NP-CS2-T/R	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-NP-CS2-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-NP-CS3-30-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
MCR-B-S-RA-TSMT-NP-CS3-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-NP-CS4-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-NP-CS4C-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-NP-CS5	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-NP-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-SG-INV-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-RA-TSMT-WP-MMF-TR	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	View
MCR-B-S-V-SMT	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	View
MCR-B-S-V-SMT-CS1-10-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	View
MCR-B-S-V-SMT-CS1-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	View
MCR-B-S-V-SMT-P-CS1-10-PP-T/R	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	View
MCR-B-S-V-SMT-P-CS1-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	View
MCR-B-S-V-TSMT-P-CS1-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	View
MCR-B-S-VT-01	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	View
MCR-B-S-VT-01-15	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	View
MCR-B-S-VT-01-15-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	View
MCR-B-S-VT-01-30	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	View
MCR-B-S-VT-01-30-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	View
MCR-B-S-VT-01-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	View
MCR-B-S-VT-02	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	View
MCR-B-S-VT-02-30-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	View
MCR-B-S-VT-02-TR	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	View
MCR-B-S-VT-SMT-01	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	View
MCR-B-S-VT-SMT-01-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	View
MCR-B-S-VT-SMT-WP-PP-TR	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	View
MCR-B3-MPLUG-01	Plug	Micro USB	Type B 3.0			View
MCR-B3-RA-SMT-CS1X-HF-TR	Receptacle	Micro USB	Type B 3.0	Right Angle Surface Mount	Single Port	View
MCR-B3-RA-SMT-CS1X-TR	Receptacle	Micro USB	Type B 3.0	Right Angle Surface Mount	Single Port	View
MCR-B3-RA-TSMT	Receptacle	Micro USB	Type B 3.0	Right Angle True SMT	Single Port	View
MCR-B3-RA-TSMT-15	Receptacle	Micro USB	Type B 3.0	Right Angle True SMT	Single Port	View
MCR-B3-RA-TSMT-TR	Receptacle	Micro USB	Type B 3.0	Right Angle True SMT	Single Port	View
MCR-B3-V-SMT-P-MF-PP-TR	Receptacle	Micro USB	Type B 3.0	Vertical Surface Mount	Single Port	View
MCR-BP3	Plug	Micro USB	Type B 3.0			View
MUSB-10P-P3-S	Plug	Mini USB	10 Pin			View
MUSB-10P-PLUG	Plug	Mini USB	10 Pin			View
MUSB-10P-PLUG-PC	Plug	Mini USB	10 Pin			View
MUSB-10P-S-RA-SMT-KT-TR	Receptacle	Micro USB	10 Pin	Right Angle Surface Mount	Single Port	View
MUSB-10P-S-RA-TSMT	Receptacle	Mini USB	10 Pin	Right Angle True SMT	Single Port	View
MUSB-10P-S-RA-TSMT-1	Receptacle	Mini USB	10 Pin	Right Angle True SMT	Single Port	View
MUSB-10P-S-RA-TSMT-TR	Receptacle	Mini USB	10 Pin	Right Angle True SMT	Single Port	View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
MUSB-12P-S-RA-SMT	Receptacle	Mini USB	12 Pin	Right Angle Surface Mount	Single Port	View
MUSB-14P-PLUG	Plug	Mini USB	14 pin			View
MUSB-8P-PLUG-01	Plug	Mini USB	8 Pin			View
MUSB-8P-PLUG-HT	Plug	Mini USB	8 Pin			View
MUSB-8P-S-RA-SMT-01	Receptacle	Mini USB	8 Pin	Right Angle Surface Mount	Single Port	View
MUSB-8P-S-RA-SMT-01-TR	Receptacle	Mini USB	8 Pin	Right Angle Surface Mount	Single Port	View
MUSB-8P-S-RA-TSMT-01-10	Receptacle	Mini USB	8 Pin	Right Angle True SMT	Single Port	View
MUSB-A-S-RA-SMT	Receptacle	Mini USB	Type A	Right Angle Surface Mount	Single Port	View
MUSB-A-S-RA-SMT-30-TR	Receptacle	Mini USB	Type A	Right Angle Surface Mount	Single Port	View
MUSB-A-S-RA-SMT-TR	Receptacle	Mini USB	Type A	Right Angle Surface Mount	Single Port	View
MUSB-A-S-RA-TSMT-CS1-KT-TR	Receptacle	Mini USB	Type A	Right Angle True SMT	Single Port	View
MUSB-A4-PLUG-SK-OM	Plug	Mini USB	Type A4			View
MUSB-A4-S-RA-TSMT-XX	Receptacle	Mini USB	Type A4	Right Angle True SMT	Single Port	View
MUSB-A4-S-RA-TSMT-XX-CS1	Receptacle	Mini USB	Type A4	Right Angle True SMT	Single Port	View
MUSB-AB-P-S-S	Plug	Mini USB	AB Mid-Mount			View
MUSB-AB-S-RA	Receptacle	Mini USB	AB Mid-Mount	Right Angle Thru Hole	Single Port	View
MUSB-AB-S-RA-SMT	Receptacle	Mini USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	View
MUSB-AB-S-RA-SMT-1	Receptacle	Mini USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	View
MUSB-AB-S-RA-SMT-2	Receptacle	Mini USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	View
MUSB-AB-S-RA-TSMT	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MUSB-AB-S-RA-TSMT-KT-TR	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MUSB-AB-S-RA-TSMT-TR	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MUSB-AB1-S-RA-SMT	Receptacle	Mini USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	View
MUSB-AB1-S-RA-SMT-30-TR	Receptacle	Mini USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	View
MUSB-AB1-S-RA-SMT-TR	Receptacle	Mini USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	View
MUSB-AB1-S-RA-TSMT	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port	View
MUSB-AB1-S-RA-TSMT-HF-TR	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MUSB-AB1-S-RA-TSMT-KT-TR	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MUSB-AB1-S-RA-TSMT-NP	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port	View
MUSB-AB1-S-RA-TSMT-NP-TR	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	View
MUSB-AB1-S-RA-TSMT-TR	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port	View
MUSB-AB10-PLUG-CS2-HT	Plug	Mini USB	AB Mid-Mount			View
MUSB-AP-S	Plug	Mini USB	Type A			View
MUSB-B4-S-RA-SMT	Receptacle	Mini USB	Type B 4 Pin	Right Angle Surface Mount	Single Port	View
MUSB-B4-S-RA-SMT-30	Receptacle	Mini USB	Type B 4 Pin	Right Angle Surface Mount	Single Port	View
MUSB-B4-S-RA-SMT-TR	Receptacle	Mini USB	Type B 4 Pin	Right Angle Surface Mount	Single Port	View
MUSB-B4-S-RA-TSMT	Receptacle	Mini USB	Type B 4 Pin	Right Angle True SMT	Single Port	View
MUSB-B4-S-RA-TSMT-15	Receptacle	Mini USB	Type B 4 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-P3-S4	Plug	Mini USB	Type B 5 Pin			View
MUSB-B5-P3-S5	Plug	Mini USB	Type B 5 Pin			View
MUSB-B5-PLUG-01	Plug	Mini USB	Type B 5 Pin			View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
MUSB-B5-PX-S5-XC	Plug	Mini USB	Type B 5 Pin			View
MUSB-B5-S-RA	Receptacle	Mini USB	Type B	Right Angle Thru Hole	Single Port	View
MUSB-B5-S-RA-1	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	View
MUSB-B5-S-RA-1-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	View
MUSB-B5-S-RA-1-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	View
MUSB-B5-S-RA-2	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	View
MUSB-B5-S-RA-2A-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	View
MUSB-B5-S-RA-SMT-001	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port	View
"MUSB-B5-S-RA-SMT-2,4"	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port	View
MUSB-B5-S-RA-SMT-EH-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port	View
MUSB-B5-S-RA-SMT-PP-T/R	Receptacle	Mini USB	Type B	Right Angle Surface Mount	Single Port	View
MUSB-B5-S-RA-TSMT-CS1	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-CS1-30-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-CS1-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-CS2-30	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-CS2-NP-30-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-CS3-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-CS4	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-HC	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-MM-1.7	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-MTS-KTTR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-NP	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-RA-TSMT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	View
MUSB-B5-S-VT	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	View
MUSB-B5-S-VT-02	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	View
MUSB-B5-S-VT-30	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	View
MUSB-B5-S-VT-LSP	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	View
MUSB-B5-S-VT-LSP-30	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	View
MUSB-B5-S-VT-SMT-PP-TR	Receptacle	Mini USB	Type B 5 Pin	Vertical Surface Mount	Single Port	View
MUSB-B5-S-VT-TSMT	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port	View
MUSB-B5-S-VT-TSMT-1	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port	View
MUSB-B5-S-VT-TSMT-CS1-10-PP-T/R	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port	View
MUSB-B5-S-VT-TSMT-TR	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port	View
MUSB-B5P-KT	Plug	Mini USB	Type B 5 Pin			View
MUSB-B5P-S-RA-PCB	Plug	Mini USB	Type B 5 Pin	Right Angle Thru Hole		View
MUSB-B5P-S-RA-SMT-05	Plug	Mini USB	Type B 5 Pin	Right Angle Surface Mount		View
MUSB-B5P-S-RA-SMT-P	Plug	Mini USB	Type B 5 Pin	Right Angle Surface Mount		View
MUSB-B5P-S-S-CS1	Plug	Mini USB	Type B 5 Pin			View
MUSB-B5P-S-SMT-10	Plug	Mini USB	Type B 5 Pin			View
MUSB-B5S-K	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port	View
MUSB-P-A-S-S-PS	Plug	Mini USB	Type A			View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-A-D-RA	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	View
USB-A-D-RA-30	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-30-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS1-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS1-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS2-SPCC-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS3	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS4	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS4-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS5-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-D-RA-CS5-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS5A-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS6	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS6-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-CS7	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-EH	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-EH-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-EH1	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-EH1-30	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-EH1-30-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-EH1-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-EM	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-RA-HT-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-SATA-RA-15	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-D-VT	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	View
USB-A-D-VT-30	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	View
USB-A-D-VT-HT	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	View
USB-A-D-VT-NCST	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	View
USB-A-D-VT-WT	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	View
USB-A-D-VT-WT-NCST	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	View
USB-A-HDMI-D-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-HDMI-D-RA-MF	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	View
USB-A-Q-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Quad Port	View
USB-A-Q-RA-30	Receptacle	USB	Type A	Right Angle Thru Hole	Quad Port	View
USB-A-Q-RA-SB	Receptacle	USB	Type A	Right Angle Thru Hole	Quad Port	View
USB-A-S-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-30	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-30-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-30-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-30-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-A-S-RA-BL-CS1	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-BL-CS1-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-BL-CS1-HT-KT-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-BL-CS1-R-HT-KT-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-BL-CS3-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-BL-CS3-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-BL-CS6-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-BL-CS7	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-BL-CS8	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-BL-R	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS1	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS1-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS1-SPCC-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS10-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-CS11-R	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS11A-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS14	Receptacle	USB	Type A 2.0 Double-sided insert (Reversible)	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS2-NK	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS2-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-CS2-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-CS2-SMT-WT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-CS3-TSMT-R-WT	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-CS4-SMT-KT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-CS4A-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-CS4A-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-CS4B-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-CS5	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS6-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-CS7-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-DBL	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-DBL-CS3-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-DBL-CS4-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-DBL-CS6-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-DBL-CS6H-SPCC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-DBL-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH1	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH1-30-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH1-R-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH1-R-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-A-S-RA-EH10-R-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH11-SMT-NF	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-EH11-SMT-NF-15	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-EH1A	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH1A-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-EH2-R-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH2-R-HT-HF-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH2-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-EH2-SMT-WT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-EH2A-R-HT-HF-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH4-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH5-HT-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH6	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH7-NF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH8-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-EH9-R-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-EH9-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-FS	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-HD	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-HD-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-HF	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-LCP	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-LCP-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-NK-CS2-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-NK-CS8-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-NK-CS8-SMT-BK	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-NK-CS8-SMT-NAT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-NK-CS9	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-NK-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-NK-SMT-KT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-OB	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-OB-F	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-OB-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-OB-SMT-F	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-OB-TSMT	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-R-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-SMT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-SMT-BL-CS1A-SPCC	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-SMT-F	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-SMT-MF	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-A-S-RA-SMT-R-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-SMT-SPG	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-SMT-TR	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-SMT-WT	Receptacle	USB	Type A	Right Angle Surface Mount	Single Port	View
USB-A-S-RA-SS	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-TC	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-TSMT	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-CS1	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-CS1A-WT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-CS2	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-CS2-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-CS2-WT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-CS4	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-CS4-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-LCP	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-LCP-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-NF	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-NP	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-NP-WT	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-R	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-R-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-TSMT-WT-TR	Receptacle	USB	Type A	Right Angle True SMT	Single Port	View
USB-A-S-RA-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RA-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-A-S-RU	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-30	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-HD	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-HT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-RT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S1-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S3	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S3-BK	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S3-BK-SPCC-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S3-SPCC	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S3-SPCC-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S4	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S4-BK	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S4-BK-HT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-A-S-RU-S4-HT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S5	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S5-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-S6-HC-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-SS	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-TH	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-TH-CS1	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-TH-CS1-NF-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-TH-CS1-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-TH-CS1R	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-TH-CS3	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-TH-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-WT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-WT-HF	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-RU-WT-HT	Receptacle	USB	Type A	Right Angle Upright Thru Hole	Single Port	View
USB-A-S-ST	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-ST-A-NAT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VT-130	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VT-HD	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VT-HT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VT-LCP	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VT-SPL	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VT-WT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VTA	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VTA-HT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VTA-HT-001	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VTA-WT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VTB-HT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-S-VTB-WT-HT	Receptacle	USB	Type A	Vertical Thru Hole	Single Port	View
USB-A-T-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Triple Stacked Port	View
USB-A-T-RA-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Triple Stacked Port	View
USB-A3-D-RA-A	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Dual Port	View
USB-A3-D-S	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Dual Port	View
USB-A3-D-S-BL	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Dual Port	View
USB-A3-S	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port	View
USB-A3-S-RA	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Dual Port	View
USB-A3-S-RA-01	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-A	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-CS1	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-A3-S-RA-CS1-HT	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-CS1A-R	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-CS1A-R-NF-110-TR	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-CS3	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-CS5	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-CS5-30-HF	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-CS5-HF	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-EH	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-EH-CS1-TR	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-EH-SMT	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port	View
USB-A3-S-RA-HF	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-HT-01	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	View
USB-A3-S-RA-SMT	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port	View
USB-A3-S-RA-SMT-BL-CS1	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port	View
USB-A3-S-RA-SMT-CS2-TR	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port	View
USB-A3-S-RU-HT	Receptacle	USB	Type A 3.0	Right Angle Upright Thru Hole	Single Port	View
USB-A3-S-S1	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port	View
USB-A3-S-S2	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port	View
USB-A3-S-VT-CS2-BK-HT	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port	View
USB-AM-AM-ADPT	Plug	USB	Type A			View
USB-AP-S-RA	Plug	USB	Type A	Right Angle Thru Hole		View
USB-AP-S-RA-NK-D	Plug	USB	Type A	Right Angle Thru Hole		View
USB-AP-S-RA-NK-D-WT	Plug	USB	Type A	Right Angle Thru Hole		View
USB-AP-S-RA-NKD	Plug	USB	Type A	Right Angle Thru Hole		View
USB-AP-S-RA-NKD-WT	Plug	USB	Type A	Right Angle Thru Hole		View
USB-AP-S-RA-SMT	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-RA-SMT-BL	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-RA-SMT-C	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-RA-SMT-E-LP	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-RA-SMT-E-LP-NP	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-RA-SMT-F-TR	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-RA-SMT-R	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-RA-SMT-R-TR	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-SMT	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-SMT-A	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-SMT-A-LP-SB	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-SMT-A-NK	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-SMT-A-NK-WT	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-SMT-A-NKD-PDG	Plug	USB	Type A	Right Angle Surface Mount		View
USB-AP-S-ST	Plug	USB	Type A			View
USB-AP-S-ST-A	Plug	USB	Type A			View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-AP-S-ST-B	Plug	USB	Type A			View
USB-AP-S-ST-C	Plug	USB	Type A			View
USB-AP-S-ST-D-HF	Plug	USB	Type A			View
USB-AP-S-ST-D-NAT-HF	Plug	USB	Type A			View
USB-AP-S-ST-E	Plug	USB	Type A			View
USB-AP-S-ST-F	Plug	USB	Type A			View
USB-AP3-S	Plug	USB	Type A 3.0			View
USB-AP3-S-A	Plug	USB	Type A 3.0			View
USB-AP3-S-B	Plug	USB	Type A 3.0			View
USB-AP3-S-RA-SMT	Plug	USB	Type A 3.0	Right Angle Surface Mount		View
USB-AP3-S-RA-SMT-A1-NP	Plug	USB	Type A 3.0	Right Angle Surface Mount		View
USB-AP3-S-RA-SMT-A1-NP-10030	Plug	USB	Type A 3.0	Right Angle Surface Mount		View
USB-AP3-S-RA-SMT-A2-NP	Plug	USB	Type A 3.0	Right Angle Surface Mount		View
USB-AP3-S-RA-SMT-A2-NP-10030	Plug	USB	Type A 3.0	Right Angle Surface Mount		View
USB-AS-S-RA-R	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	View
USB-B-S-RA	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-02	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-30-C1-TR	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-30-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-BU	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-BU-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-BU-PN	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-BU-SP-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-CS2-WT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-CS3-WT-30-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-HT-PDG	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-OB-30-C3	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-PDG	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-PG	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-TPS-02	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-TSMT	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View
USB-B-S-RA-TSMT-50	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View
USB-B-S-RA-TSMT-CS1	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View
USB-B-S-RA-TSMT-CS1-TR	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View
USB-B-S-RA-TSMT-CS1-WT	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View
USB-B-S-RA-TSMT-CS3-WT	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View
USB-B-S-RA-TSMT-NI	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View
USB-B-S-RA-TSMT-TR	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View
USB-B-S-RA-TSMT-WT	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View
USB-B-S-RA-TSMT-WT-TR	Receptacle	USB	Type B	Right Angle True SMT	Single Port	View

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-B-S-RA-WFP	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-WFP-TR	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-WT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-WT-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-WT-C1	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-WT-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-WT-PN	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-WT-SP-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-RA-WT-SPCC	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	View
USB-B-S-VT	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	View
USB-B-S-VT-30	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	View
USB-B-S-VT-HT	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	View
USB-B-S-VT-HT-30	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	View
USB-B-S-VT-LCP	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	View
USB-B-S-VT-SPL	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	View
USB-B-S-VT-TSMT	Receptacle	USB	Type B	Vertical True SMT	Single Port	View
USB-B-S-VT-TSMT-KT-TR	Receptacle	USB	Type B	Vertical True SMT	Single Port	View
USB-B-S-VT-WT	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	View
USB-B-S-WP	Receptacle	USB	Type B		Single Port	View
USB-B3-S-RA	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	View
USB-B3-S-RA-A	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	View
USB-B3-S-RA-CS1-15	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	View
USB-B3-S-RA-CS2X-15	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	View
USB-B3-S-RA-CS3-BK-30-HT	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	View
USB-B3-S-RA-CS4	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	View
USB-B3-S-RA-HT	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	View
USB-B3-S-VT	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	View
USB-B3-S-VT-CS1-15	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	View
USB-B3-S-VT-CS3	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	View
USB-B3-S-VT-CS3-HT	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	View
USB-B3-S-VT-HT	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	View
USB-BP-S	Plug	USB	Type B			View
USB-BP-S-RA	Plug	USB	Type B	Right Angle Thru Hole		View
USB-BP-S-RA-SMT	Plug	USB	Type B	Right Angle Surface Mount		View
USB-BP3-S	Plug	USB	Type B 3.0			View

USB Connectors

TYPE C USB

USB Type-C is a reversible-plug connector designed to support USB 3.1 with a top speed of 10Gbps. It is a 24 pin double sided connector similar in size to a micro-USB type B connector with a high power output of up to 100W (20vdc @ 5A). The connector provides four power/ground pairs, two differential pairs for USB 2.0 data bus (though only one pair is implemented in a Type-C cable), four pairs for high speed data bus, two "sideband use" pins, and two configuration pins for cable orientation detection, a dedicated biphase mark code (BMC) configuration data channel, and VCONN +5 V power for active cables. USB Type-C also allows for bi-directional power charging input/output which significantly cuts down the amount of connectors / cables currently needed to make devices work. Type-C USB is backward compatible with USB 3.0 and USB 2.0 connectors.

FEATURES & SPECIFICATIONS

FEATURES:

USB 3.1 receptacles and plugs
24 pin reversible connectors
Speeds up to 10 Gbps
Backwards compatible with USB 3.0 and USB 2.0
Through hole or surface mount
Edge hang types available
Right angle or vertical
Multiple body styles
Insulator color options

SPECIFICATIONS:

Material:

Insulator: Hi-temp thermoplastic, rated UL 94V-0
Insulator color: Black
Contacts: Copper alloy or phosphor bronze
Shell: Stainless steel, nickel plated

Contact Plating:

Contact area: Gold flash over nickel underplate
Solder tails: Tin over nickel or copper underplate

Electrical:

Current rating range: 3 to 5 Amps max
Voltage rating range: 5 to 100V AC
Contact resistance range: 30 to 50 mohms max
Insulation resistance: 100 Mohms min.
Dielectric withstanding voltage: 100V AC for 1 minute

Temperature Rating:

Operating temperature range: -55°C to +85°C

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053
USB-IF Implementers Forum

PART NUMBER	RECEPTACLE	PLUG	PRODUCT DATA
USB-C31-PLUG-A-BK-TR		Plug	View
USB-C31-PLUG-B-XX-BK		Plug	View
USB-C31-PLUG-E1-BK		Plug	View
USB-C31-PLUG-E1-SHD-BK		Plug	View
USB-C31-PLUG-F-BK-30		Plug	View
USB-C31-PLUG-H-SMT-DC-TR		Plug	View
USB-C31-S-RA-BK-TR	Right Angle Top PCB Mount, Extra Shield Pins		View
USB-C31-S-RA-CS1-BK-TR	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-CS1A-BK-SS-T/R	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-CS1D-BK-T/R	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-CS1E-BK-T/R	Right Angle Edge Hang		View

PART NUMBER	RECEPTACLE	PLUG	PRODUCT DATA
USB-C31-S-RA-CS2-SMT-BK-T/R	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-EH-BK-CS1	Right Angle Edge Hang		View
USB-C31-S-RA-EH-BK-CS1-HF-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH-BK-CS1A	Right Angle Edge Hang		View
USB-C31-S-RA-EH-BK-CS1A-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH-BK-CS2-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH-SMT-BK	Right Angle Edge Hang		View
USB-C31-S-RA-EH2-SMT-BK-TR	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-RA-EH2.0	Right Angle Edge Hang		View
USB-C31-S-RA-EH2.0-BK-HF-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH2.0-BK-TR	Right Angle Edge Hang		View

PART NUMBER	RECEPTACLE	PLUG	PRODUCT DATA
USB-C31-S-RA-EH2.0-TR	Right Angle Edge Hang		View
USB-C31-S-RA-EH2.0B-BK-T/R	Right Angle Edge Hang		View
USB-C31-S-RA-TR	Right Angle Top PCB Mount, Standard Body		View
USB-C31-S-SM-BK-TR	Surface Mount		View
USB-C31-S-VT-CS1-BK-PP-TR	Vertical		View
USB-C31-S-VT-CS2A-BK-PP-TR	Vertical		View
USB-C31-S-VT-CS4-BK-PP-T/R	Vertical		View

USB4 40Gbps

Adam Tech's line of USB4 connectors and cables boasts speeds up to 40Gbps, making them the fastest USB products in the industry. These parts are backwards compatible with the speeds of USB 3.2 and 2.0 Type-C. Other features include two-lane operation with existing USB Type-C cables, multiple data and display protocols, and the ability to simultaneously transfer both audio and video over the same connection.

FEATURES & SPECIFICATIONS

FEATURES:
Speeds up to 40Gbps
Backwards compatibility with USB 3.2 and USB 2.0 Type-C
USB Type-C: reversable
Mating connectors and cables
Right angle mount orientation connectors
Through hole or surface mount connectors
Double-ended USB C plug cables

SPECIFICATIONS:

Material:
Insulator: Hi-temp thermoplastic, rated UL 94V-0
Insulator color: Black
Contacts: Copper alloy
Shell: Stainless steel, nickel or gold flash plated

Plating:
Contact area: 30u" gold over nickel underplate
Solder tails: matte tin over nickel underplate

Electrical:
Operating voltage range: 5 to 20V
Current rating range: 3 to 7 Amp
Contact resistance range: 30 to 40 mohms initial
Insulation resistance: 100 Mohms min
Dielectric withstanding voltage: 100 VAC for 1 minute

Mechanical:
Mating cycles: 10,000 insertions

Temperature Rating:
Operating temperature range: -20°C to +105°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053
USB-IF Implementers Forum

PART NUMBER	MOUNTING TYPE	PRODUCT DATA
USB-C40-S-RA-BK-30-TR	Through Hole	View
USB-C40-S-RA-CS1-SMT-BK-30-TR	Surface Mount	View
CA-USB4-CM-CM-0.8M-A	Cable	View
CA-USB4-CM-CM-XXM-B	Cable	View
USB-C40-S-RA-CS2-SMT-BK-30-TR	Surface Mount - Ruggedized	View

Special USB Connectors

Adam Tech's Special USB Connectors provide solutions to a broader range of applications. Capacity constraints are alleviated by special stacked USB connectors, which combine USB Type-A and USB Type-C ports into one connector. High retention USB connectors are available, preventing disconnects in high stress applications. This series also includes waterproof USB Type-C connectors.

FEATURES & SPECIFICATIONS

FEATURES:
Versatile and reliable range of USB connectors
Alleviate capacity constraints
Prevent disconnects
Waterproof

SPECIFICATIONS:

Material:
Insulator: Hi-temp thermoplastic, rated UL 94V-0
Insulator color: Black
Contacts: Copper alloy or phosphor bronze
Shell: Copper alloy or stainless steel, nickel plated

Contact Plating:
Contact area: Gold flash over nickel underplate
Solder tails: Tin over nickel underplate

Electrical:
Current rating range: 1.5 to 8 Amps max
Voltage rating range: 20 to 100V AC
Contact resistance range: 30 to 40 mohms max
Insulation resistance range: 100 to 1000 Mohms min.
Dielectric withstanding voltage range: 100 to 500V AC for 1 minute

Temperature Rating:
Operating temperature range: -55°C to +85°C

PART NUMBER	TYPE	PRODUCT DATA
USB-A-C31-D-VT	Stacked USB A over USB C	View
USB-A-S-RA-SMT-HD-T/R	High Retention USB A	View
USB-A3-C31-D-RA-CS1	Stacked USB A over USB C	View
USB-C31-A-D-VT-CS1	Stacked USB A over USB C	View
USB-C31-S-RA-CS12-BK-TR	High Side Retention USB C	View
USB-C31-S-RA-EH-WP-BK-CS3B-TR	Waterproof USB C	View
USB-C31-S-RA-EH-WP-WF-BK-CS5	Waterproof USB C	View

HSecurLinC USB Latching Connectors and Cables

Adam Tech's extensive line of USB products is further enhanced by our HSecurLinC USB Latching Connectors and Cables. This series is composed of USB Type-C (including USB4) and Mini USB products, each featuring a secure latch to ensure reliable connections between mated connectors and cables. These products are offered in speeds of 480Mbps, 5Gbps, and 40Gbps. Cable assembly configurations include male-to-male, female-to-female, and female-to-male, with right-angle options available. Additionally, Adam Tech has the capability to manufacture custom cables tailored to meet each customer's specific needs.

FEATURES & SPECIFICATIONS

FEATURES:

Latch for secure and reliable mating connections during vibration and motion
USB Type-C and Mini USB connectors and cables
USB4 connector and cables
Data transmission speeds: 480Mbps, 5Gbps, and 40Gbps
Backwards compatibility to USB 2.0 and USB 3.1 standards
Keyed, color coded, system to prevent mis-mating and compliant to automotive requirements
Shrouded and secure over-molded shell to prevent connector damage
Cable assembly options: female to female, male to male, and male to female
Right angle option for USB4 and USB 3.1 Type-C cable assemblies
Flammability class: UL94 V-0
Latching design to meet USCAR-2 requirements
Vibration level: V1

SPECIFICATIONS:

Material:

Insulator: Hi-temp thermoplastic, rated UL 94V-0
Contacts: Copper alloy or phosphor bronze
Shell: Stainless steel, nickel or tin plated

Electrical:

Voltage rating: 5-48V
Current rating: 1-5A
Contact Resistance: 30-40mΩ max (connector), 2 Ω max (cable)
Insulation Resistance: 100MΩ min (connector), 5 MΩ min at
100V DC and 10 MΩ min at 300V DC (cable)

Mechanical:

Durability: 20 cycles (latch)
Cable Retention force: 100g downward vertical at 60CM; 40N for 1 minute
Mating force: 45N max
Un-mating force: 75N max

Temperature Rating:

Operating temperature range: -40°C to +85°C

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. ECBT2-E224053 and ECBT8-E224053

PART NUMBER	TYPE	CABLE ASSEMBLY CONFIGURATION	PRODUCT DATA
CA-USB-MBMF-MBMF-1M	Mini USB Cable Assembly	Female to Female	View
CA-USB-MBML-MBFL-1M	Mini USB Cable Assembly	Male to Female	View
CA-USB-MBML-MBML-1M	Mini USB Cable Assembly	Male to Male	View
CA-USB31-CFLA-CFLA-1M	USB 3.1 Cable Assembly	Female to Female	View
CA-USB31-CMLA-CFLA-1M	USB 3.1 Cable Assembly	Male to Female	View
CA-USB31-CMLA-CMLA-1M	USB 3.1 Cable Assembly	Male to Male	View
CA-USB31-CMRLA-CFLA-1M	USB 3.1 Cable Assembly	Male (Right Angle) to Female	View
CA-USB31-CMRLA-CMLA-1M	USB 3.1 Cable Assembly	Male (Right Angle) to Male	View
CA-USB4-CFLA-CFLA-0.6M	USB4 Cable Assembly	Female to Female	View
CA-USB4-CMLA-CFLA-0.8M	USB4 Cable Assembly	Male to Female	View
CA-USB4-CMLA-CMLA-1M	USB4 Cable Assembly	Male to Male	View
CA-USB4-CMRLA-CFLA-0.8M	USB4 Cable Assembly	Male (Right Angle) to Female	View
CA-USB4-CMRLA-CMLA-1M	USB4 Cable Assembly	Male (Right Angle) to Male	View
MUSB-B5-S-RA-AB-A	Mini USB Connector	N/A	View
USB-C40-S-RA-CS5A-A-EH-BK	USB4/USB 3.1 Connector	N/A	View

DisplayPort Connectors

DISPLAYPORT & MINI DISPLAYPORT

Adam Tech DisplayPort series is a new high band width digital interface connection designed to provide true digital imaging while providing a multitude of colors and crystal clear sound through one small plug which can also supply power. There are four main links, one auxiliary channel and one hot-plug signal line. Adam Tech DisplayPort connectors are designed to work on a broad array of devices, including printers, televisions, camcorders, cameras, and DVD players. Our DisplayPort connectors are fully compatible with industry standards and are backwards compatible to VGA, DVI & HDMI.

FEATURES & SPECIFICATIONS

FEATURES:

Ultra small size package
Hot Pluggable
Supports color depth of 6, 8, 10, 12 and 16 bits per color components
Supports a maximum of 8.64 Gbit/s data rate over a 2 meter cable
Can be used in applications up to 15 meters (49.21 feet)

MATING CONNECTORS:

Adam Tech Display Port custom cables and all industry standard Display Port Cables

PACKAGING:

Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Insulator: LCP, Glass filled, rated UL94V-0, color Black
Contacts: Copper Alloy
Shell: Copper Alloy, nickel plated

Contact Plating:

Gold over nickel underplate on mating area, Tin over Copper underplate on tails

Electrical:

Operating Voltage: 40V AC
Current Rating: 0.5 Amps max.
Contact Resistance: 30 mø max.
Insulation Resistance: 100 Mø min.
Dielectric Withstanding Voltage: 500V AC for 1 minute

Mechanical:

Mating Cycles: 10,000 Cycles Min

Terperature Ratings:

Operating Temperature: -20°C to +85°C

PART NUMBER	GENDER	VERSION	MOUNTING ORIENTATION	OPTIONS	PRODUCT DATA
DPC-F-S-RA-CS2-BL-15-EMI	Receptacle	DisplayPort	Right Angle Thru Hole	Board Locks	View
DPC-F-S-RA-SMT-BL	Receptacle	DisplayPort	Right Angle Surface Mount	Board Locks	View
DPC-F-S-RA-SMT-BL-TR	Receptacle	DisplayPort	Right Angle Surface Mount	Board Locks	View
DPC-F-S-RA-SMT-P-BL	Receptacle	DisplayPort	Right Angle Surface Mount	Board Locks	View
DPC-F-S-RA-SMT-P-CS2-15-TR	Receptacle	DisplayPort	Right Angle Surface Mount	Peg	View
DPC-F-S-VT-CS1	Receptacle	DisplayPort	Vertical Thru Hole		View
DPC-M-SD-CS1	Plug	DisplayPort	Right Angle Surface Mount		View
DPC-M-SD-CS1-NL	Plug	DisplayPort	Right Angle Surface Mount		View
DPC-M-SD-M2-L	Plug	DisplayPort	Right Angle Surface Mount		View
DPD-DP-20S-HDMI19S-H	Receptacle	DisplayPort / HDMI Stacked Combo	Right Angle Thru Hole		View
MDPC-S-RA	Receptacle	Mini DisplayPort	Right Angle Thru Hole		View
MDPC-S-VT-PCB	Receptacle	Mini DisplayPort	Straddle Mount		View

DISPLAYPORT PART NUMBER CONFIGURATION

DPC - S - RA - SMT

SERIES	PORTS	ENTRY ANGLE	MOUNTING	OPTIONS:
DPC-M = *DisplayPort Male* **DPC-F** = *DisplayPort Female*	**S** = *Single*	**RA** = *Right Angle*	**BLANK** = *Thru-Hole* **SMT** = *Surface Mount* **TSMT** = *True Surface Mount*	*Add designator(s) to end of part number* **MF** = *Mounting Flange* **BL** = *Board Lock* **P** = *Pegs* **NL** = *No Latch* **L** = *Latch* **NR** = *No Rib* **T/R** = *Tape and Reel Packaging*

MINI DISPLAYPORT PART NUMBER CONFIGURATION

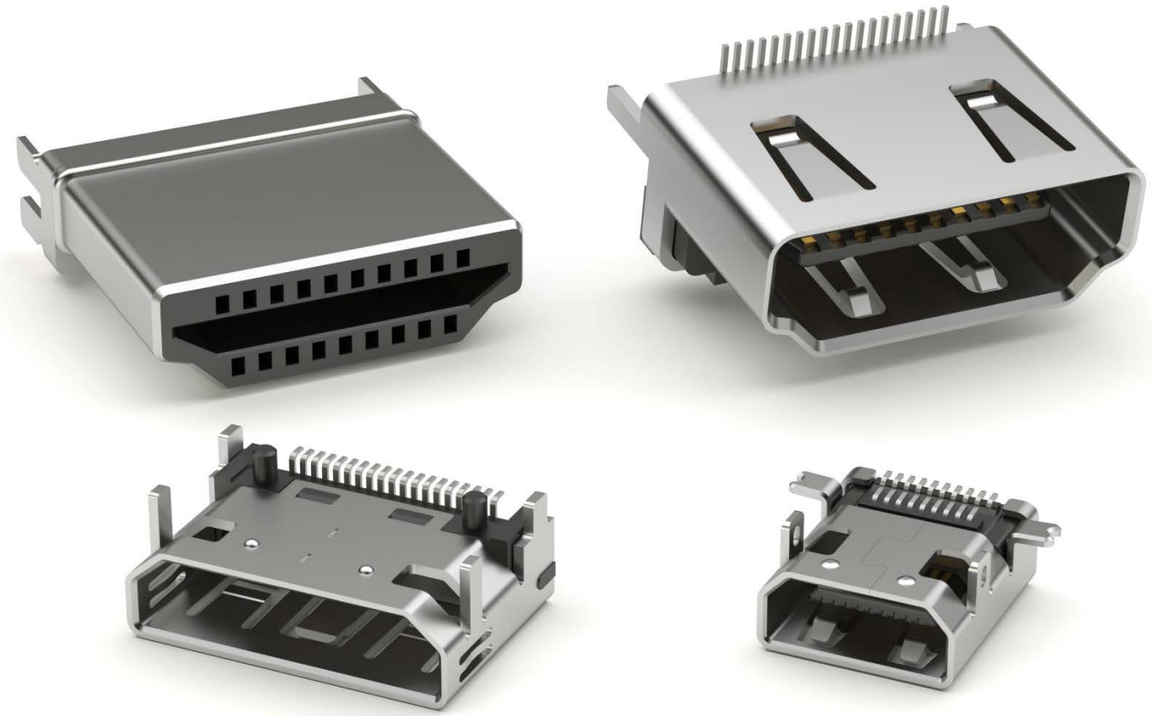
MDPC - S - RA

SERIES	PORTS	ENTRY ANGLE	OPTIONS:
MDPC = *Mini DisplayPort Connector* **MDPC-PLUG** = *Mini DisplayPort Plug*	**S** = *Single* *Blank for plug*	**RA** = *Right Angle* **VT** = *Vertical* *Blank for plug*	*Add designator(s) to end of part number* **MF** = *Mounting Flange* **PCB** = *PCB Mount*

HDMI Connectors

HDMI, MINI & MICRO HDMI

High Definition Multimedia Interface (HDMI) connectors and cable assemblies are a series of products that provide an uncompressed digital link between video and audio in a single digital interface connection. Typically they are used with digital versatile (DVD) players, digital television (DVI), set top boxes and other audio/visual devices to consolidate interfaces and eliminate multiple cable assemblies. HDMI connectors are small, easy to use interconnects that can carry up to 5 Gbps of combined video and audio in a single connector/cable.



FEATURES & SPECIFICATIONS

FEATURES:
Sturdy, industry compatible design
Eliminates multiple connectors and cables
Up to 5 Gbps in single interface
Variety of mounting styles
Fully shielded for ESD protection
Compact 0.50mm (.019") pitch SMT design

MATING CONNECTORS:
All industry standard HDMI connectors.

PACKAGING:
Anti ESD plastic trays or Tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: Hi-Temperature thermoplastic, glass filled, rated UL94V-0
Insulator Color: Black
Shell: Phosphor Bronze, Nickel plated
Contacts: Phosphor Bronze

Plating:
Gold over nickel underplate on mating area, tin over
copper underplate on tails

Electrical:
Operating Voltage: 30V AC
Current Rating: 0.5 Amps Max.
Contact Resistance: 10 mΩ Max.
Insulation Resistance: 100 MΩ Min.
Dielectric Withstanding Voltage: 300V AC for 1 Minute

Mechanical:
Insertion force: 10.0 lbs max.
Withdrawal force: 2.2 lbs min.

Temperature Rating:
Operation Temperature: -55°C ~ +85°C

PART NUMBER CONFIGURATION

HDMI	-	D	-	RA	-	1	-	MF
SERIES		**PORTS**		**ENTRY ANGLE**		**MOUNTING**		**OPTIONS:**
HDMI = *HDMI* **MHDMI** = *Mini HDMI* **MCHDMI** = *Micro HDMI*		**S** = *Single* **D** = *Dual* **M** = *?* **PLUG** = *Plug*		**RA** = *Right Angle*		**1** = *Thru-Hole* **SMT** = *Surface Mount* **TSMT** = *True Surface Mount*		*Add designator(s) to end of part number* **15** = *15 µin gold plating in contact area* **MF** = *Mounting Flange* **R** = *Reverse Layout* **WPH** = *Waterproof*

PART NUMBER	GENDER	VERSION	MOUNTING ORIENTATION	OPTIONS	PORTS	PRODUCT DATA
HDMI-D-RA-1-MF	Receptacle	HDMI	Right Angle Thru Hole	Mounting Flange	Dual Port	View
HDMI-F-S-WPH	Receptacle	HDMI		Waterproof	Single Port	View
HDMI-M-S-WPH	Receptacle	HDMI		Waterproof	Single Port	View
HDMI-PLUG-OM3	Plug	HDMI	Straddle Mount			View
HDMI-PLUG-OM7	Plug	HDMI	Straddle Mount			View
HDMI-S-RA-1	Receptacle	HDMI	Right Angle Thru Hole		Single Port	View
HDMI-S-RA-1-SMT-03B-15	Receptacle	HDMI	Right Angle Surface Mount		Single Port	View
HDMI-S-RA-SMT	Receptacle	HDMI	Right Angle Surface Mount		Single Port	View
HDMI-S-RA-SMT-A-TR	Receptacle	HDMI	Right Angle Surface Mount		Single Port	View
HDMI-S-RA-SMT-MF	Receptacle	HDMI	Right Angle Surface Mount	Mounting Flange	Single Port	View
HDMI-S-V-1-SM	Receptacle	HDMI	Right Angle Thru Hole		Single Port	View
HDMI-S-V-1-SMT	Receptacle	HDMI	Right Angle Surface Mount		Single Port	View
HDMI21-S-RA-SMT-TR	Receptacle	HDMI 2.1	Right Angle Surface Mount		Single Port	View
MCHDMI-PLUG-OM1	Plug	Micro HDMI				View
MCHDMI-PLUG-OM2	Plug	Micro HDMI	Straddle Mount			View
MCHDMI-S-RA-1-SMT	Receptacle	Micro HDMI	Right Angle Surface Mount		Single Port	View
MCHDMI-S-RA-2-SMT	Receptacle	Micro HDMI	Right Angle Surface Mount		Single Port	View
MHDMI-PLUG-OM	Plug	Mini HDMI				View
MHDMI-PLUG-OM3	Plug	Mini HDMI				View
MHDMI-S-RA-SMT-B-TR	Receptacle	Mini HDMI	Right Angle Surface Mount		Single Port	View

HDMI 2.1 Connector and Cables

Adam Tech's Ultra High Speed HDMI™ 2.1 connector and cables provide uncompressed 8K video with HDR, and support bandwidth speeds up to 48 Gbps. They also support 4K video, eARC (Enhanced Audio Return Channel), VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), QFT (Quick Frame Transport), and QMS (Quick Media Switching). The cables are available in lengths of 3ft, 6ft, 10ft, and 16.5ft.

FEATURES & SPECIFICATIONS

FEATURES:
Connector: HDMI A 2.1 receptacle
Double ended HDMI A 2.1 plugs
8K UHD (7680 × 4320) at 60Hz
4K UHD (3840 × 2160) at 120Hz
Supports speeds up to 48 Gbps
Low EMI interference
Top quality audio with eARC
Enhanced gaming capabilities with VRR, ALLM, and QFT
Smooth frame rate transitions with QMS
Multiple cable lengths

APPLICATIONS:
Audio/video data transfer
Televisions
Gaming consoles
DVD/Blu-ray/Ultra HD players
Media streaming devices
Cable boxes
Computers
Entertainment systems

SPECIFICATIONS:

Material:
Housing: Hi-temp thermoplastic, rated UL 94V-0
Housing color: Black
Contacts: Brass
Shell: Brass, nickel plated

Plating:
Contact area: Gold flash over nickel underplate
Solder tails: Tin over nickel underplate

Electrical:
Contact resistance: 30 mohms max
Insulation resistance: 100 Mohms min
Dielectric withstanding voltage: 300 VAC

Mechanical:
Insertion force: 4.5Kgf max
Withdrawal force: 1.0kgf to 4.0kgf
Durability: 10,000 cycles

Connector

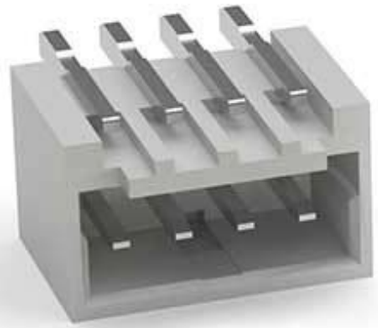
PART NUMBER	GENDER	VERSION	MOUNTING ORIENTATION	PORTS	PRODUCT DATA
HDMI21-S-RA-SMT-TR	Receptacle	HDMI 2.1	Right Angle Surface Mount	Single Port	View

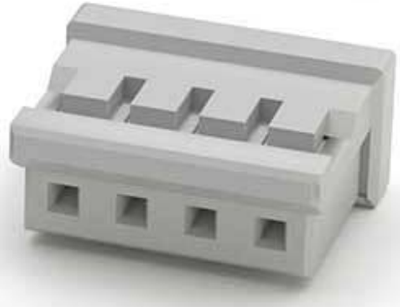
Cable Assemblies

PART NUMBER	DESCRIPTION	LENGTH	COLOR	PRODUCT DATA
CA-HDMI21-AM-AM-10FT	HDMI 2.1 Male to HDMI 2.1 Male	10 Foot	Black	View
CA-HDMI21-AM-AM-16.5FT	HDMI 2.1 Male to HDMI 2.1 Male	16.5 Foot	Black	View
CA-HDMI21-AM-AM-3FT	HDMI 2.1 Male to HDMI 2.1 Male	3 Foot	Black	View
CA-HDMI21-AM-AM-6FT	HDMI 2.1 Male to HDMI 2.1 Male	6 Foot	Black	View

Miniature Disconnecting Wire to Board Connectors and Systems

Adam Tech multiple pitch Headers and Housings are a matched set of Crimp Wire Housings and PCB mounted Shrouded Headers available in Straight, Right Angle or SMT orientation. Available pitches are .031", .039", .047", .049", .059", .079" and .098" centerlines. Offered in various popular industry standard styles they provide a lightweight, fine pitched, polarized, high reliability connection system.





FEATURES & SPECIFICATIONS

FEATURES:
Multiple pitches and configurations
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

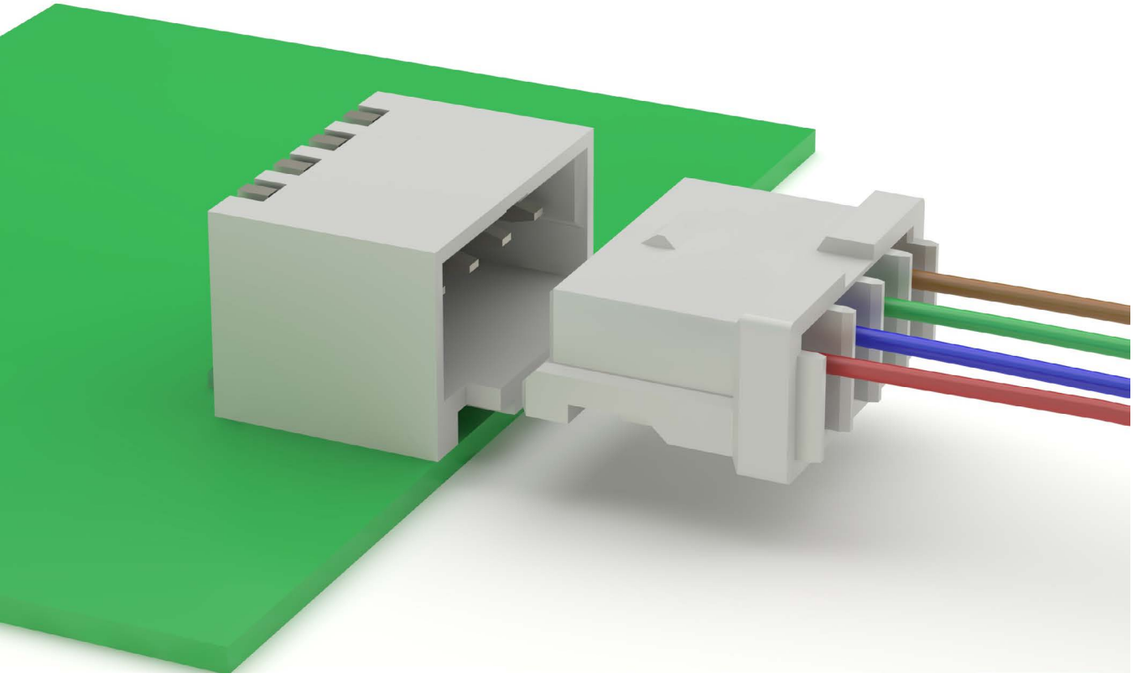
Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 100V AC max.
Current rating: 0.5 - 3 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 800V AC for 1 minute

Mechanical:
Insertion force: 1.28 lbs max
Withdrawal force: 0.180 lbs min.

Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053



FEATURES & SPECIFICATIONS

FEATURES:
.031” [0.8mm] pitch
Multiple positions and configurations
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

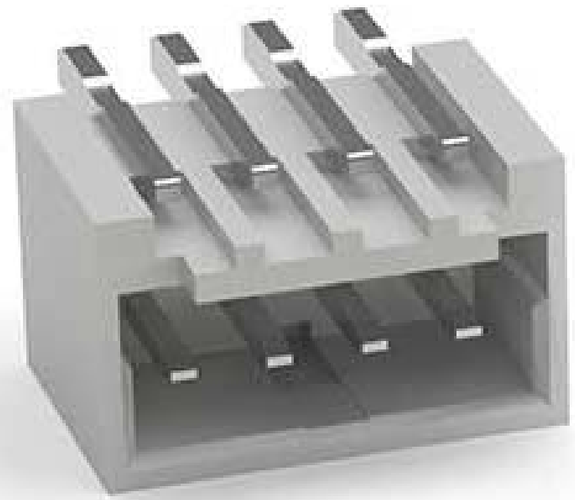
Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

Plating:
Gold over Nickel underplate overall

Electrical:
Operating voltage: 50V AC max.
Current rating: 0.5 Amps max.
Insulation resistance: 100 MΩ min.
Dielectric withstanding voltage: 200V AC for 1 minute

Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053



PART NUMBER CONFIGURATION

08SH	- B	- 4	- GR	- SMT
SERIES	**BODY STYLE**	**POSITIONS**	**PIN ANGLE**	**OPTIONS:**
08SH = *0.80mm Single Row*	**A** = *Body Style "A"* **B** = *Body Style "B"* **C** = *Body Style "C"*	**02** *Thru* **20**	**GR** = *Gold Straight PCB* **GS** = *Gold Right Angle PCB*	*Add designator(s) to end of part number:* **SMT** = *Surface mount leads with Hi-Temp insolator* **NP** = *No Pegs* **NK** = *No Kink*

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
08SH-A-XX-GS-SMT-PP-TR	.031" [0.80mm]	A	Vertical	Surface Mount	Gold	1	Tape & Reel	View
08SH-A-XX-TR-SMT-TR	.031" [0.80mm]	A	Right Angle	Through Hole	Tin	1	Tape & Reel	View
08SH-A-XX-TS-SMT	.031" [0.80mm]	A	Vertical	Surface Mount	Tin	1	Tube	View
08SH-A-XX-TS-SMT-PP-TR	.031" [0.80mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	View
08SH-B-XX-TR-SMT-TR	.031" [0.80mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
08SH-B-XX-TS-SMT-TR	.031" [0.80mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
08SH-C-XX-GR-SMT	.031" [0.80mm]	C	Right Angle	Surface Mount	Gold	1	Tube	View
08SH-C-XX-TR-SMT	.031" [0.80mm]	C	Right Angle	Surface Mount	Tin	1	Tube	View

FEATURES & SPECIFICATIONS

FEATURES:
.031” [0.8mm] pitch
Multiple positions and configurations
Gold or tin plated crimp terminals
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

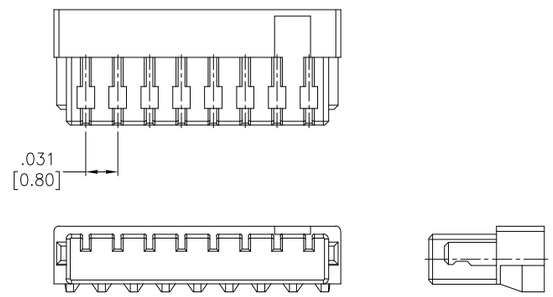
Plating:
Gold over Nickel underplate overall

Electrical:
Operating voltage: 50V AC max.
Current rating: 0.5 Amps max.
Insulation resistance: 100 MΩ min.
Dielectric withstanding voltage: 200V AC for 1 minute

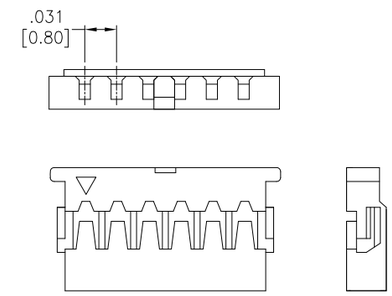
Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

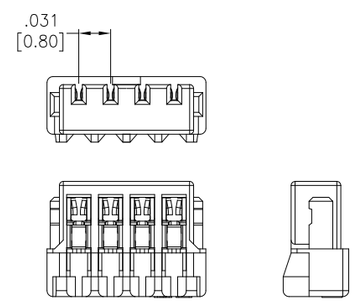
08CH HOUSINGS



08CH-A-IDC



08CH-C



08CH-B-IDC

CRIMP HOUSING PART NUMBER CONFIGURATION

08CH	-	B	-	4	-	IDC

SERIES	BODY STYLE	POSITIONS	OPTIONS:
08CH = *0.80mm Single Row*	**A** = *Body Style "A"* **B** = *Body Style "B"* **C** = *Body Style "C"*	**02** *Thru* **20**	*Add designator(s) to end of part number:* **IDC** = *IDC Type* **G** = *Gold plated*

HOUSINGS

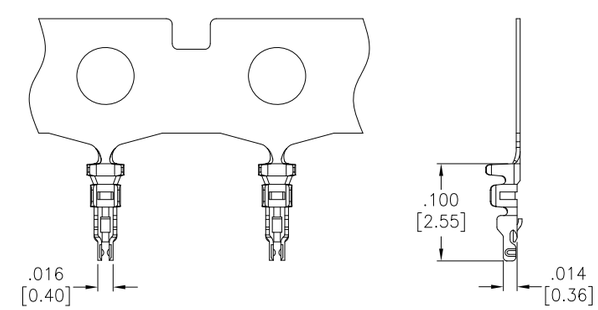
PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
08CH-A-XX-G-IDC	.031" [0.80mm]	A	1	IDC	View
08CH-B-XX-G-IDC	.031" [0.80mm]	B	1	IDC	View
08CH-C-XX	.031" [0.80mm]	C	1	Crimp	View

CRIMP CONTACT PART NUMBER CONFIGURATION

08CTX	-	R	-	G

SERIES	PACKAGING	OPTIONS:
08CTX = *0.80mm Body Style Contact* *Replace X with housing body style*	**R** = *Piece Reel*	*Add designator(s) to end of part number:* **G** = *Gold plated*

08CTC CRIMP CONTACT



CRIMP CONTACT

PART NUMBER	PITCH	BODY STYLE	PLATING	PRODUCT DATA
08CTC-G-R	.031" [0.80mm]	C	Gold	

FEATURES & SPECIFICATIONS

FEATURES:
.039” [1.0mm] pitch
Multiple positions and configurations
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

Plating:
Tin over copper underplate overall

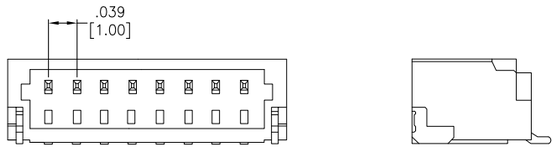
Electrical:
Operating voltage: 50V AC max.
Current rating: 1 Amps max.
Insulation resistance: 100 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Temperature Rating:
Operating temperature range: -25°C to +85°C

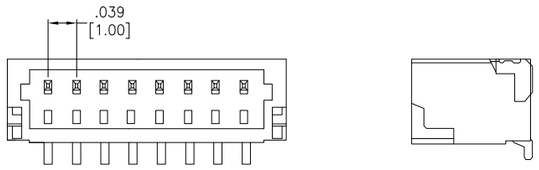
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

1SH

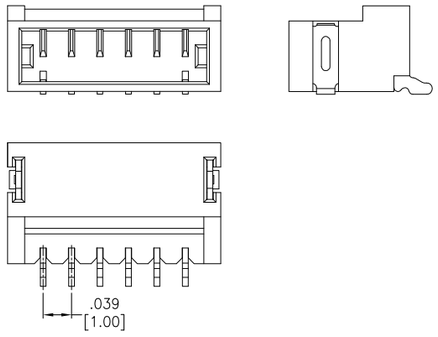
BODY STYLE A RIGHT ANGLE SMT



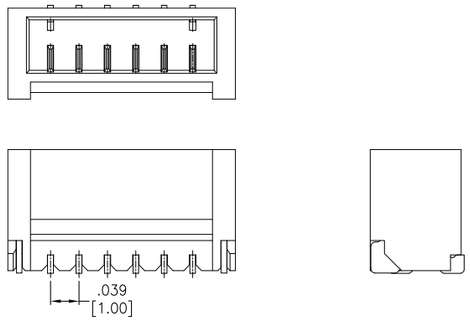
BODY STYLE A STRAIGHT SMT



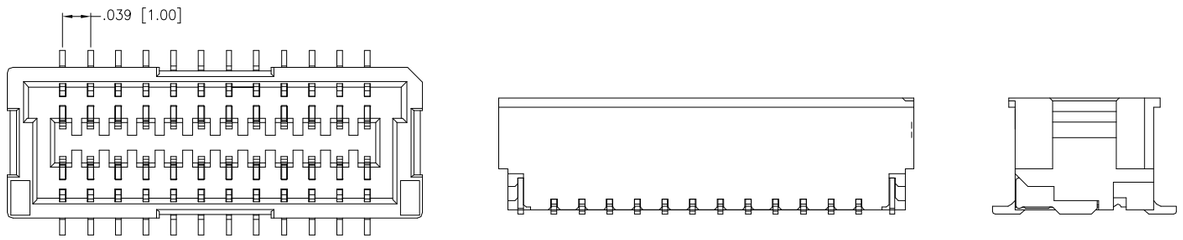
BODY STYLE C1 RIGHT ANGLE SMT



BODY STYLE C1 STRAIGHT SMT



1SHD-B



PART NUMBER CONFIGURATION

1SH	- B	- 4	- GS	- SMT
SERIES	**BODY STYLE**	**POSITIONS**	**PIN ANGLE**	**OPTIONS:**
1SH = *1.00mm Single Row* **1SHD** = *1.00mm Dual Row*	**A** = *Body Style "A"* **B** = *Body Style "B"* **C** = *Body Style "C"* **C1** = *Body Style "C1"*	**02** *Thru* **20**	**GS** = *Gold Straight PCB* **GR** = *Gold Right Angle PCB* **TS** = *Tin Straight PCB* **TR** = *Tin Right Angle PCB*	*Add designator(s) to end of part number:* **SMT** = *Surface mount leads with Hi-Temp insolator* **PP** = *Pick and Place Cap* **T/R** = *Tape and Reel Packaging*

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
1SH-A-XX-GR-SMT-TR	.039" [1.00mm]	A	Right Angle	Surface Mount	Gold	1	Tape & Reel	View
1SH-A-XX-GS-SMT-TR	.039" [1.00mm]	A	Vertical	Surface Mount	Gold	1	Tape & Reel	View
1SH-A-XX-MTR-SMT	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tube	View
1SH-A-XX-MTR-SMT-TR	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
1SH-A-XX-MTS-SMT-PP-TR	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	View
1SH-A-XX-MTS-SMT-TR	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	View
1SH-A-XX-TR-SMT	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tube	View
1SH-A-XX-TR-SMT-TR	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
1SH-A-XX-TS-SMT	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tube	View
1SH-A-XX-TS-SMT-TR	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	View
1SH-A1-XX-TR-SMT-TR	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
1SH-A1-XX-TS-SMT-PP-TR	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	View
1SH-B-XX-TR-SMT	.039" [1.00mm]	B	Right Angle	Surface Mount	Tin	1	Tube	View

FEATURES & SPECIFICATIONS

FEATURES:
.039” [1.0mm] pitch
Multiple positions and configurations
Gold or tin plated crimp terminals
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 50V AC max.
Current rating: 1 Amps max.
Insulation resistance: 100 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

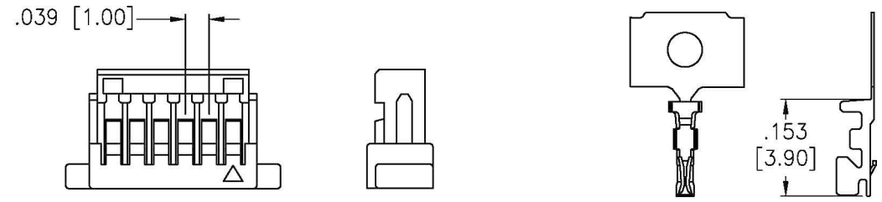
CRIMP HOUSING PART NUMBER CONFIGURATION

1CH	-	B	-	4	-	G
SERIES		BODY STYLE		POSITIONS		OPTIONS:
1CH = *1.00mm Single Row* **1CHD** = *1.00mm Dual Row*		**A** = *Body Style "A"* **B** = *Body Style "B"* **C** = *Body Style "C"* **Z** = *Body Style "Z"* **Z1** = *Body Style "Z1"*		**02** *Thru* **20**		*Add designator(s) to end of part number:* **NE** = *No Ears*

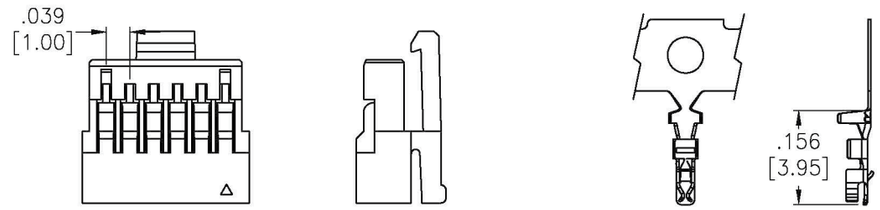
CRIMP CONTACT PART NUMBER CONFIGURATION

1CTX	-	R	-	G
SERIES		PACKAGING		OPTIONS:
1CTX = *1.00mm Body Style Contact* **1CTDX** = *1.00mm Body Style Contact* *Replace X with housing body style*		**R** = *Piece Reel*		*Add designator(s) to end of part number:* **G** = *Gold plated*

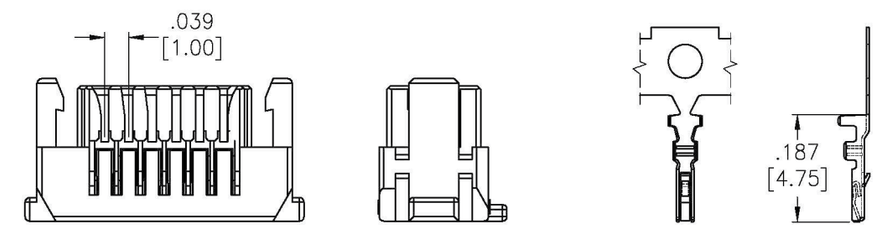
1CH HOUSINGS AND 1CT CRIMPS



1CH-A 1CTA-R



1CH-C 1CTC-R



1CHD-A 1CTDB-R

HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
1CH-A-XX	.039" [1.00mm]	A	1	Crimp	View
1CH-A-XX-NE	.039" [1.00mm]	A	1	Crimp	View
1CH-Z-XX	.039" [1.00mm]	Z	2	Crimp	View
1CHD-B-XX	.039" [1.00mm]	B	2	Crimp	View

CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
1CTA-G-R	.039" [1.00mm]	A	Gold	View
1CTA-MT-R	.039" [1.00mm]	A	Tin	View
1CTA-R	.039" [1.00mm]	A	Tin	View
1CTDB-G-R	.039" [1.00mm]	B	Gold	View
1CTDB-R	.039" [1.00mm]	B	Tin	View

FEATURES & SPECIFICATIONS

FEATURES:
.049” [1.25mm] pitch
Multiple positions and configurations
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

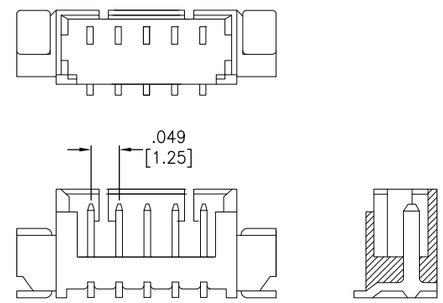
Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 50 - 150V AC max.
Current rating: 1 Amp max.
Insulation resistance: 100 MΩ min.
Contact Resistance: 20 mohms max.
Dielectric withstanding voltage: 500V AC for 1 minute

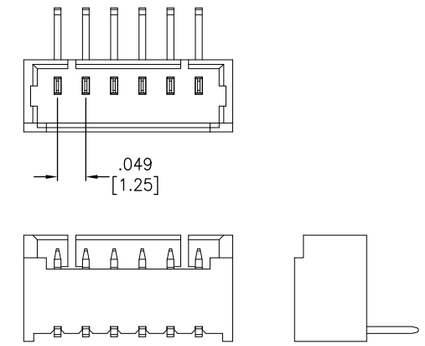
Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

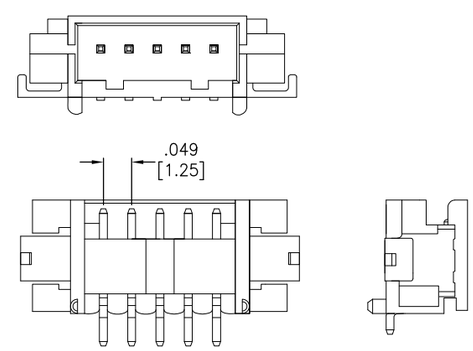
125SH-A STRAIGHT SMT



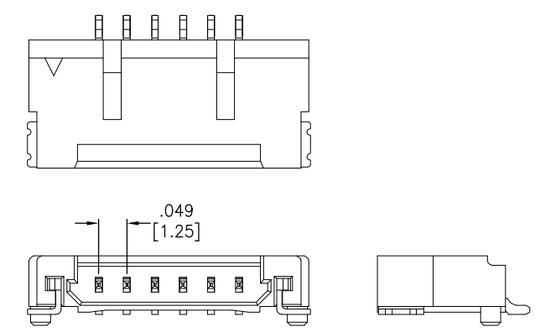
125SH-B RIGHT ANGLE



125SH-C RIGHT ANGLE SMT



125SH-D RIGHT ANGLE



PART NUMBER CONFIGURATION

125SH-	C	- 4	- TS	- NP
SERIES	**BODY STYLE**	**POSITIONS**	**PIN ANGLE**	**OPTIONS:**
125SH = *1.25mm Single Row* **125SHD** = *1.25mm Dual Row*	**A** = *Body Style "A"* **A1** = *Body Style "A1"* **A2** = *Body Style "A2"* **A3** = *Body Style "A3"* **B** = *Body Style "B"* **BA** = *Body Style "BA"* **B1** = *Body Style "B1"* **B2** = *Body Style "B2"* **B3** = *Body Style "B3"* **C** = *Body Style "C"* **C1** = *Body Style "C1"* **D** = *Body Style "D"* **E** = *Body Style "E"* **E1** = *Body Style "E1"* **F** = *Body Style "F"* **G** = *Body Style "G"* **G1** = *Body Style "G1"* **H** = *Body Style "H"* **K** = *Body Style "K"* **M** = *Body Style "M"* **N** = *Body Style "N"*	**02** *Thru* **15**	**GS** = *Gold Straight PCB* **GR** = *Gold Right Angle PCB* **TS** = *Tin Straight PCB* **TR** = *Tin Right Angle PCB*	*Add designator(s) to end of part number:* **SMT** = *Surface mount leads with Hi-Temp insolator* **PP** = *Pick and Place Cap* **T/R** = *Tape and Reel Packaging*

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
125SH-A-XX-TR	.049" [1.25mm]	A	Right Angle	Through Hole	Tin	1	Tube	View
125SH-A-XX-TR-SMT	.049" [1.25mm]	A	Right Angle	Surface Mount	Tin	1	Tube	View
125SH-A-XX-TR-SMT-TR	.049" [1.25mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-A-XX-TS	.049" [1.25mm]	A	Vertical	Through Hole	Tin	1	Tube	View
125SH-A-XX-TS-SMT	.049" [1.25mm]	A	Vertical	Surface Mount	Tin	1	Tube	View
125SH-A-XX-TS-SMT-TR	.049" [1.25mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-B-09-TS-SMT-PP-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-B-XX-MTR-SMT	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tube	View
125SH-B-XX-MTR-SMT-TR	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-B-XX-MTS-SMT-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-B-XX-TR	.049" [1.25mm]	B	Right Angle	Through Hole	Tin	1	Tube	View
125SH-B-XX-TR-SMT	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tube	View
125SH-B-XX-TR-SMT-BK-HF-TR	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-B-XX-TR-SMT-PB-TR	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-B-XX-TR-SMT-TR	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-B-XX-TS	.049" [1.25mm]	B	Vertical	Through Hole	Tin	1	Tube	View
125SH-B-XX-TS-118	.049" [1.25mm]	B	Vertical	Through Hole	Tin	1	Tube	View
125SH-B-XX-TS-SMT	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tube	View

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
125SH-B-XX-TS-SMT-PB-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-B-XX-TS-SMT-PP-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-B-XX-TS-SMT-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-B1-XX-MTS-SMT-HF	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tube	View
125SH-B1-XX-TS-SMT-HF-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-B2-XX-TS-SMT-PP-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-B2-XX-TS-SMT-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-C-XX-TR	.049" [1.25mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
125SH-C-XX-TR-SMT-TR	.049" [1.25mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-C-XX-TS	.049" [1.25mm]	C	Vertical	Through Hole	Tin	1	Tube	View
125SH-C-XX-TS-SMT-TR	.049" [1.25mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-C1-XX-GS-SMT-NP-TR	.049" [1.25mm]	C	Vertical	Surface Mount	Gold	1	Tape & Reel	View
125SH-D-XX-TR-SMT	.049" [1.25mm]	D	Right Angle	Surface Mount	Tin	1	Tube	View
125SH-D-XX-TR-SMT-TR	.049" [1.25mm]	D	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-E-XX-GR-SMT-TR	.049" [1.25mm]	E	Right Angle	Surface Mount	Gold	1	Tape & Reel	View
125SH-F-09-XS-SM	.049" [1.25mm]	F	Vertical	Through Hole	Tin or Gold	1	Tube	View
125SH-F-15-XS-SM	.049" [1.25mm]	F	Vertical	Through Hole	Tin or Gold	1	Tube	View
125SH-G-XX-TR-SMT-TR	.049" [1.25mm]	G	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-G1-XX-GR-SMT	.049" [1.25mm]	G	Right Angle	Surface Mount	Gold	1	Tube	View
125SH-G1-XX-TR-SMT	.049" [1.25mm]	G	Right Angle	Surface Mount	Tin	1	Tube	View
125SH-H-XX-GR-SMT-TR	.049" [1.25mm]	H	Right Angle	Surface Mount	Gold	1	Tape & Reel	View
125SH-H-XX-SGR-SMT-TR	.049" [1.25mm]	H	Right Angle	Surface Mount	Gold	1	Tape & Reel	View
125SH-H-XX-TR	.049" [1.25mm]	H	Right Angle	Through Hole	Tin	1	Tube	View
125SH-H-XX-TR-SMT-TR	.049" [1.25mm]	H	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-K-XX-TR-SMT	.049" [1.25mm]	K	Right Angle	Surface Mount	Tin	1	Tube	View
125SH-K-XX-TR-SMT-TR	.049" [1.25mm]	K	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
125SH-K-XX-TS-SMT	.049" [1.25mm]	K	Vertical	Surface Mount	Tin	1	Tube	View
125SH-K-XX-TS-SMT-PP-TR	.049" [1.25mm]	K	Vertical	Surface Mount	Tin	1	Tape & Reel	View
125SH-M-XX-TR	.049" [1.25mm]	M	Right Angle	Through Hole	Tin	1	Tube	View
125SHD-C1-XX-GS-SMT-PP-TR	.049" [1.25mm]	C	Vertical	Surface Mount	Gold	2	Tape & Reel	View

FEATURES & SPECIFICATIONS

FEATURES:
.049” [1.25mm] pitch
Multiple positions and configurations
Gold or tin plated crimp terminals
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

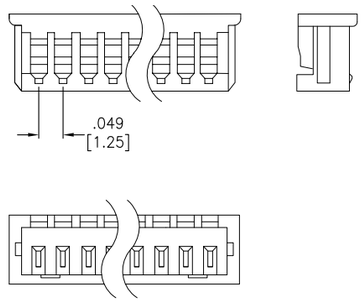
Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 50 - 150V AC max.
Current rating: 1 Amp max.
Insulation resistance: 100 MΩ min.
Contact Resistance: 20 mohms max.
Dielectric withstanding voltage: 500V AC for 1 minute

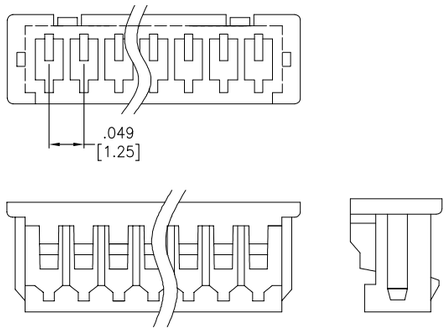
Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

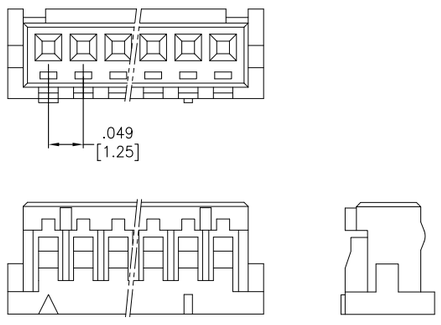
125CH-A



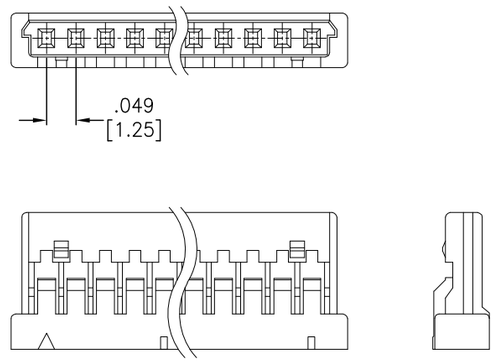
125CH-B



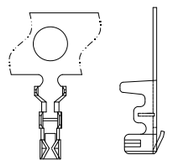
125CH-C



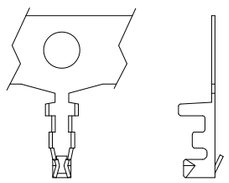
125CH-D



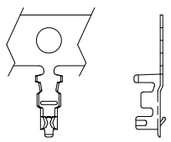
125CTA-R



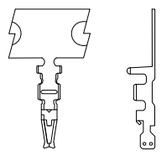
125CTB-R



125CTC-R



125CTD-R



CRIMP HOUSING PART NUMBER CONFIGURATION

125CH-	E	- 4	- G
SERIES	**BODY STYLE**	**POSITIONS**	**OPTIONS:**
125CH = *1.25mm Single Row* **125CHD** = *1.25mm Dual Row*	**A** = *Body Style "A"* **A1** = *Body Style "A1"* **B** = *Body Style "B"* **B1** = *Body Style "B1"* **B3** = *Body Style "B3"* **C** = *Body Style "C"* **C1** = *Body Style "C1"* **D** = *Body Style "D"* **E** = *Body Style "E"* **G** = *Body Style "G"* **G1** = *Body Style "G1"* **H** = *Body Style "H"* **K** = *Body Style "K"* **M** = *Body Style "M"*	**02** *Thru* **15**	*Add designator(s) to end of part number:* **HF** = *Halogen Free*

CRIMP CONTACT PART NUMBER CONFIGURATION

125CTX	- R	- G
SERIES	**PACKAGING**	**OPTIONS:**
125CTX = *1.25mm Body Style Contact* **125CTDX** = *1.25mm Body Style Contact* *Replace X with housing body style*	**R** = *Piece Reel*	*Add designator(s) to end of part number:* **G** = *Gold plated*

HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
125CH-A-XX	.049" [1.25mm]	A	1	Crimp	View
125CH-B-XX	.049" [1.25mm]	B	1	Crimp	View
125CH-B-XX-BK-HF	.049" [1.25mm]	B	1	Crimp	View
125CH-B1-XX-HF	.049" [1.25mm]	B	1	Crimp	View
125CH-BL-XX	.049" [1.25mm]	B	1	Crimp	View
125CH-C1-XX	.049" [1.25mm]	C	1	Crimp	View
125CH-D-XX	.049" [1.25mm]	D	1	Crimp	View
125CH-E-XX	.049" [1.25mm]	E	1	Crimp	View
125CH-G-XX	.049" [1.25mm]	G	1	Crimp	View
125CH-G1-XX	.049" [1.25mm]	G	1	Crimp	View
125CH-H-XX	.049" [1.25mm]	H	1	Crimp	View
125CH-K-XX	.049" [1.25mm]	K	1	Crimp	View
125CH-M-XX	.049" [1.25mm]	M	1	Crimp	View

CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
125CTA-R	.049" [1.25mm]	A	Tin	View
125CTB-R	.049" [1.25mm]	B	Tin	View
125CTB1-R	.049" [1.25mm]	B	Tin	View
125CTBL-R	.049" [1.25mm]	B	Tin	View
125CTD-R	.049" [1.25mm]	D	Tin	View
125CTD-R-G	.049" [1.25mm]	D	Gold	View
125CTE-B-R	.049" [1.25mm]	E	Tin	View
125CTG-B-G-R	.049" [1.25mm]	G	Gold	View
125CTG1-G-R	.049" [1.25mm]	G	Gold	View
125CTG1-R	.049" [1.25mm]	G	Tin	View
125CTH-R	.049" [1.25mm]	H	Tin	View
125CTK-R	.049" [1.25mm]	K	Tin	View

FEATURES & SPECIFICATIONS

FEATURES:
.059” [1.5mm] pitch
Multiple positions and configurations
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

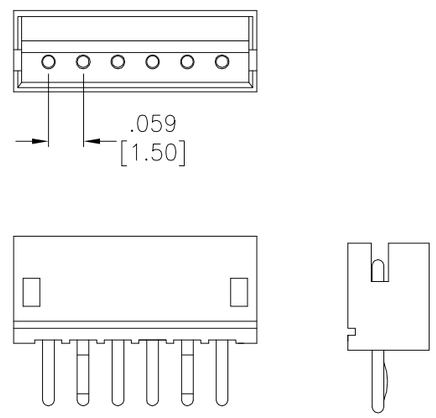
Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 100V AC max.
Current rating: 1 Amps max.
Insulation resistance: 500 MΩ min.
Contact Resistance: 20 mohms max.
Dielectric withstanding voltage: 500V AC for 1 minute

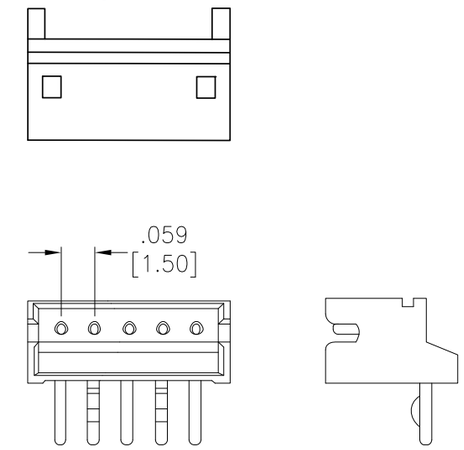
Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

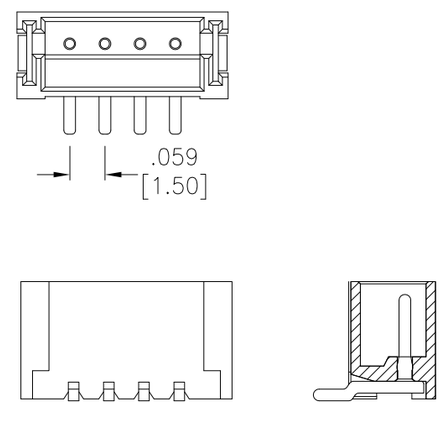
15SH VERTICAL



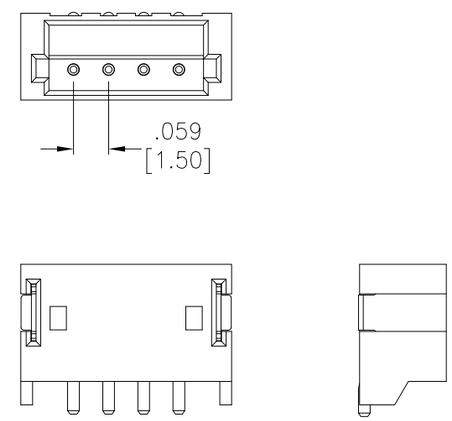
15SH R/A



15SH VERTICAL SMT



15SH R/A SMT



PART NUMBER CONFIGURATION

15SH -	A -	4 -	TR -	WT
SERIES	**BODY STYLE**	**POSITIONS**	**PIN ANGLE**	**OPTIONS:**
15SH = *1.50mm Single Row*	**A** = *Body Style "A"* **B** = *Body Style "B"* **B1** = *Body Style "B1"* **B2** = *Body Style "B2"* **B3** = *Body Style "B3"* **C** = *Body Style "C"*	**02** *Thru* **15**	**GS** = *Gold Straight PCB* **GR** = *Gold Right Angle PCB* **TS** = *Tin Straight PCB* **TR** = *Tin Right Angle PCB*	*Add designator(s) to end of part number:* **SMT** = *Surface mount leads with Hi-Temp insolator* **PP** = *Pick and Place Cap* **T/R** = *Tape and Reel Packaging*

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
15SH-A-XX-MTS-SMT-TR	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	View
15SH-A-XX-TR	.059" [1.50mm]	A	Right Angle	Through Hole	Tin	1	Tube	View
15SH-A-XX-TR-BK	.059" [1.50mm]	A	Right Angle	Through Hole	Tin	1	Tube	View
15SH-A-XX-TR-SMT	.059" [1.50mm]	A	Right Angle	Surface Mount	Tin	1	Tube	View
15SH-A-XX-TR-SMT-PT	.059" [1.50mm]	A	Right Angle	Surface Mount	Tin	1	Tube	View
15SH-A-XX-TR-SMT-TR	.059" [1.50mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
15SH-A-XX-TS	.059" [1.50mm]	A	Vertical	Through Hole	Tin	1	Tube	View
15SH-A-XX-TS-BK	.059" [1.50mm]	A	Vertical	Through Hole	Tin	1	Tube	View
15SH-A-XX-TS-SMT	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tube	View
15SH-A-XX-TS-SMT-PP	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tube	View
15SH-A-XX-TS-SMT-PP-TR	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	View
15SH-A-XX-TS-SMT-TR	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	View

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
15SH-B-XX-MTR-SMT	.059" [1.50mm]	B	Right Angle	Surface Mount	Tin	1	Tube	View
15SH-B-XX-TR-SMT	.059" [1.50mm]	B	Right Angle	Surface Mount	Tin	1	Tube	View
15SH-B-XX-TR-SMT-TR	.059" [1.50mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
15SH-B-XX-TS-SMT	.059" [1.50mm]	B	Vertical	Surface Mount	Tin	1	Tube	View
15SH-B-XX-TS-SMT-PP-TR	.059" [1.50mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
15SH-B-XX-TS-SMT-TR	.059" [1.50mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
15SH-B1-XX-GR-SMT	.059" [1.50mm]	B	Right Angle	Surface Mount	Gold	1	Tube	View
15SH-B1-XX-GS-SMT	.059" [1.50mm]	B	Vertical	Surface Mount	Gold	1	Tube	View
15SH-C-XX-MTR-SMT-TR	.059" [1.50mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
15SH-C-XX-MTS-SMT-PP-TR	.059" [1.50mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	View
15SH-C-XX-TR-SMT-TR	.059" [1.50mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
15SH-C-XX-TS-SMT-PP-TR	.059" [1.50mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	View

FEATURES & SPECIFICATIONS

FEATURES:
.059” [1.5mm] pitch
Multiple positions and configurations
Gold or tin plated crimp terminals
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

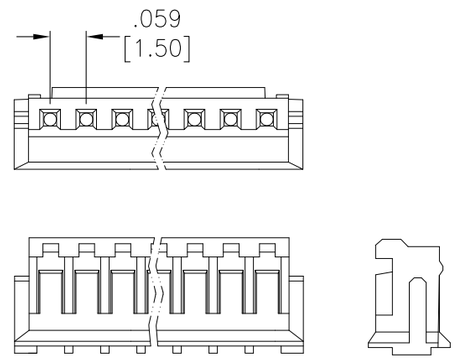
Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 100V AC max.
Current rating: 1 Amps max.
Insulation resistance: 500 MΩ min.
Contact Resistance: 20 mohms max.
Dielectric withstanding voltage: 500V AC for 1 minute

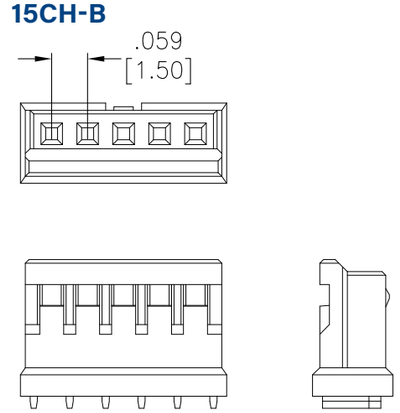
Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

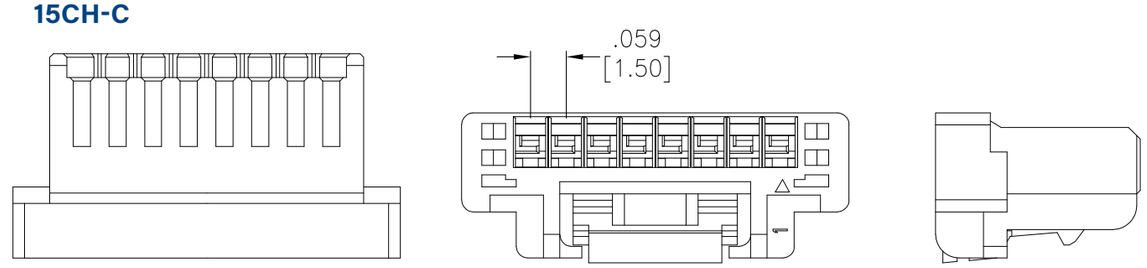
15CH-A



15CH-B



15CH-C



CRIMP HOUSING PART NUMBER CONFIGURATION

15CH	-	B	-	4
SERIES		BODY STYLE		POSITIONS
15CH = *1.50mm Single Row* **15CHD** = *1.50mm Dual Row*		**A** = *Body Style "A"* **B** = *Body Style "B"* **B1** = *Body Style "B1"* **C** = *Body Style "C"*		**02** *Thru* **15**

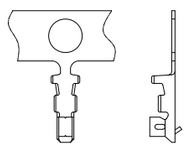
CRIMP CONTACT PART NUMBER CONFIGURATION

15CTX	-	R	-	G
SERIES		PACKAGING		OPTIONS:
15CTX = *1.50mm Single Row Body Style Contact* *Replace X with housing body style*		**R** = *Piece Reel*		*Add designator(s) to end of part number:* **G** = *Gold plated*

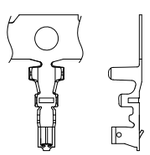
HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
15CH-A-XX	.059" [1.50mm]	A	1	Crimp	View
15CH-B-XX	.059" [1.50mm]	B	1	Crimp	View
15CH-B1-XX	.059" [1.50mm]	B	1	Crimp	View
15CH-C-XX	.059" [1.50mm]	C	1	Crimp	View

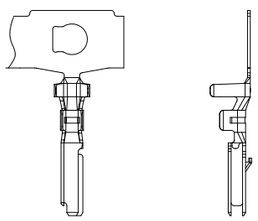
15CTA-R



15CTB-R



15CTC-R



CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
15CTA-R	.059" [1.50mm]	A	Tin	View
15CTB-MT-R	.059" [1.50mm]	B	Tin	View
15CTB-R	.059" [1.50mm]	B	Tin	View
15CTB1-G-R	.059" [1.50mm]	B	Gold	View
15CTC-X-R	.059" [1.50mm]	C	Tin	View

FEATURES & SPECIFICATIONS

FEATURES:
.079” [2.0mm] pitch
Multiple positions and configurations
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

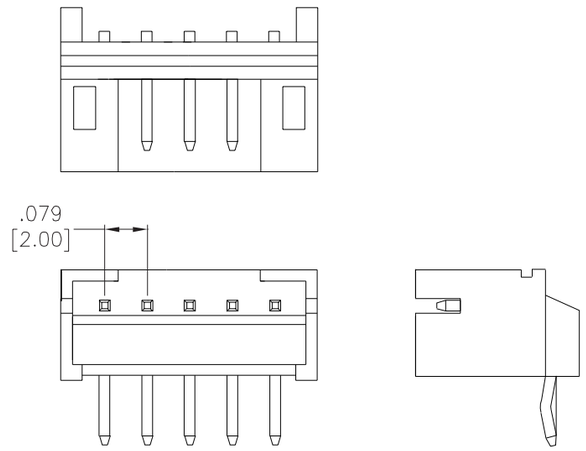
Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 100V AC max.
Current rating: 2 Amp max.
Insulation resistance: 1,000 MΩ min.
Contact Resistance: 20 mohms max.
Dielectric withstanding voltage: 500V – 1000V AC for 1 minute

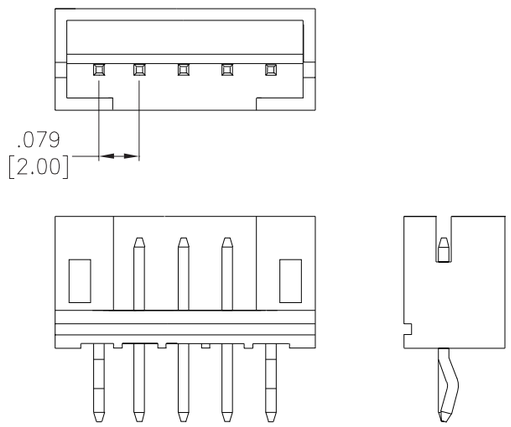
Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

2SH-C-05-TR



2SH-C-05-TS



PART NUMBER CONFIGURATION

2SH - J - 4 - GS - 15

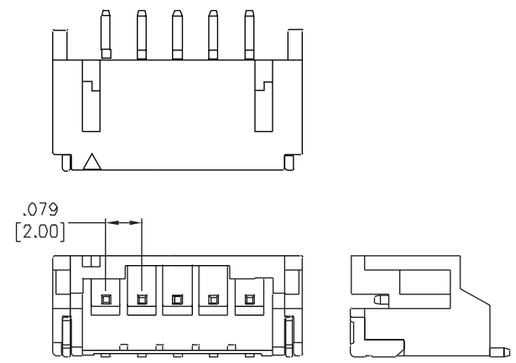
SERIES	BODY STYLE	POSITIONS	PIN ANGLE	OPTIONS:
2SH = *2.00mm Single Row* **2SHD** = *2.00mm Dual Row*	**B** = *Body Style "B"* **C** = *Body Style "C"* **C1** = *Body Style "C1"* **C2** = *Body Style "C2"* **C3** = *Body Style "C3"* **C4** = *Body Style "C4"* **C5** = *Body Style "C5"* **D** = *Body Style "D"* **D2** = *Body Style "D2"* **F** = *Body Style "F"* **F1** = *Body Style "F1"* **F2** = *Body Style "F2"* **G** = *Body Style "G"* **H** = *Body Style "H"* **HA** = *Body Style "HA"* **J** = *Body Style "J"* **K** = *Body Style "K"* **K1** = *Body Style "K1"* **K2** = *Body Style "K2"* **M** = *Body Style "M"* **N** = *Body Style "N"* **P** = *Body Style "P"* **Q** = *Body Style "Q"*	**02** *Thru* **15**	**GS** = *Gold Straight PCB* **GR** = *Gold Right Angle PCB* **TS** = *Tin Straight PCB* **TR** = *Tin Right Angle PCB*	*Add designator(s) to end of part number:* **SMT** = *Surface mount leads with Hi-Temp insolator* **PP** = *Pick and Place Cap* **T/R** = *Tape and Reel Packaging*

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
2SH-B-XX-SMT-A	.079" [2.00mm]	B	Vertical	Surface Mount	Tin	1	Tube	View
2SH-B-XX-SMT-A-TR	.079" [2.00mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	View
2SH-B-XX-TR	.079" [2.00mm]	B	Right Angle	Through Hole	Tin	1	Tube	View
2SH-B-XX-TS	.079" [2.00mm]	B	Vertical	Through Hole	Tin	1	Tube	View
2SH-C-03-TR-SMT-X02-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
2SH-C-06-TR-K02-K05	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
2SH-C-XX-GR-15	.079" [2.00mm]	C	Right Angle	Through Hole	Gold	1	Tube	View
2SH-C-XX-GR-SMT-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Gold	1	Tape & Reel	View
2SH-C-XX-GS	.079" [2.00mm]	C	Vertical	Through Hole	Gold	1	Tube	View
2SH-C-XX-GS-15	.079" [2.00mm]	C	Vertical	Through Hole	Gold	1	Tube	View
2SH-C-XX-GS-30	.079" [2.00mm]	C	Vertical	Through Hole	Gold	1	Tube	View
2SH-C-XX-GS-SMT-PP-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Gold	1	Tape & Reel	View
2SH-C-XX-MTR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
2SH-C-XX-MTR-NK-094	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
2SH-C-XX-MTS	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	View
2SH-C-XX-MTS-BK	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	View
2SH-C-XX-MTS-SMT-PP-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	View
2SH-C-XX-TR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
2SH-C-XX-TR-RD	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
2SH-C-XX-TR-SMT	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tube	View
2SH-C-XX-TR-SMT-BK-HF-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
2SH-C-XX-TR-SMT-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
2SH-C-XX-TR-TR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tape & Reel	View

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
2SH-C-XX-TS	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	View
2SH-C-XX-TS-BK	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	View
2SH-C-XX-TS-RD	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	View
2SH-C-XX-TS-SMT	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tube	View
2SH-C-XX-TS-SMT-KT-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	View
2SH-C-XX-TS-SMT-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	View
2SH-C-XX-TS-V2	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	View
2SH-C1-XX-TS-HT	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	View
2SH-C2-XX-TR-SMT	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tube	View
2SH-C2-XX-TS-SMT	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tube	View
2SH-C3-XX-TR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
2SH-C3-XX-TR-NY46	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
2SH-C3-XX-TR-SMT	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tube	View
2SH-C3-XX-TR-SMT-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
2SH-C3-XX-TS	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	View
2SH-C3-XX-TS-SMT	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tube	View
2SH-C3-XX-TS-SMT-KT-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	View
2SH-D-XX-TS-BK	.079" [2.00mm]	D	Vertical	Through Hole	Tin	1	Tube	View
2SH-D-XX-TS-BU	.079" [2.00mm]	D	Vertical	Through Hole	Tin	1	Tube	View
2SH-D-XX-TS-NK	.079" [2.00mm]	D	Vertical	Through Hole	Tin	1	Tube	View
2SH-D-XX-TS-YW	.079" [2.00mm]	D	Vertical	Through Hole	Tin	1	Tube	View
2SH-D2-XX-TR	.079" [2.00mm]	D	Right Angle	Through Hole	Tin	1	Tube	View
2SH-F-XX-TR	.079" [2.00mm]	F	Right Angle	Through Hole	Tin	1	Tube	View
2SH-F-XX-TS	.079" [2.00mm]	F	Vertical	Through Hole	Tin	1	Tube	View
2SH-F1-XX-TS	.079" [2.00mm]	F	Vertical	Through Hole	Tin	1	Tube	View
2SH-G-XX-GR	.079" [2.00mm]	G	Right Angle	Through Hole	Gold	1	Tube	View
2SH-G-XX-TR	.079" [2.00mm]	G	Right Angle	Through Hole	Tin	1	Tube	View
2SH-G-XX-TR-SMT-PP-TR	.079" [2.00mm]	G	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
2SH-G-XX-TR-SMT-TR	.079" [2.00mm]	G	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
2SH-G-XX-TS	.079" [2.00mm]	G	Vertical	Through Hole	Tin	1	Tube	View
2SH-G-XX-TS-SMT-PP-TR	.079" [2.00mm]	G	Vertical	Surface Mount	Tin	1	Tape & Reel	View
2SH-H-XX-TR	.079" [2.00mm]	H	Right Angle	Through Hole	Tin	1	Tube	View
2SH-H-XX-TS	.079" [2.00mm]	H	Vertical	Through Hole	Tin	1	Tube	View
2SH-HA-XX-MTR	.079" [2.00mm]	H	Right Angle	Through Hole	Tin	1	Tube	View
2SH-HA-XX-MTS	.079" [2.00mm]	H	Vertical	Through Hole	Tin	1	Tube	View
2SH-HA-XX-TR	.079" [2.00mm]	H	Right Angle	Through Hole	Tin	1	Tube	View
2SH-K-04-TS-X01-X03	.079" [2.00mm]	K	Vertical	Through Hole	Tin	1	Tube	View
2SH-K-XX-GR	.079" [2.00mm]	K	Right Angle	Through Hole	Gold	1	Tube	View

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
2SH-K-XX-GS	.079" [2.00mm]	K	Vertical	Through Hole	Gold	1	Tube	View
2SH-K-XX-MTR-HF	.079" [2.00mm]	K	Right Angle	Through Hole	Tin	1	Tube	View
2SH-K-XX-TR	.079" [2.00mm]	K	Right Angle	Through Hole	Tin	1	Tube	View
2SH-K-XX-TS	.079" [2.00mm]	K	Vertical	Through Hole	Tin	1	Tube	View
2SH-P-XX-MT-T144	.079" [2.00mm]	P	Vertical	Through Hole	Tin	1	Tube	View
2SH-P-XX-T-T144	.079" [2.00mm]	P	Vertical	Through Hole	Tin	1	Tube	View
2SHD-C-XX-TR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	2	Tube	View
2SHD-C-XX-TS	.079" [2.00mm]	C	Vertical	Through Hole	Tin	2	Tube	View

2SH-C-05-TR-SMT



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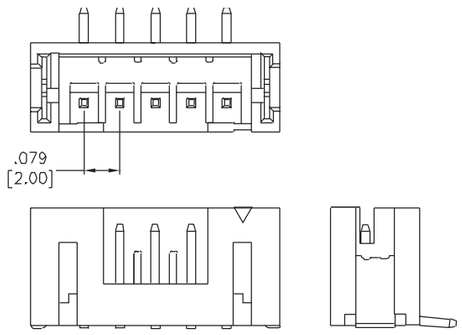
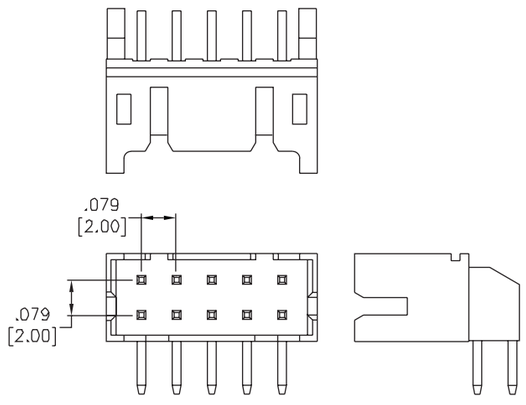


2SHD-C-10-TR



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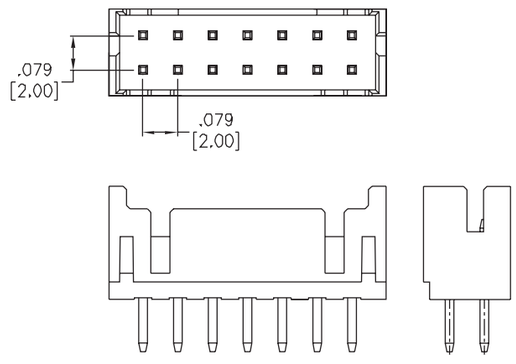


FEATURES & SPECIFICATIONS

FEATURES:

.079” [2.0mm] pitch
Multiple positions and configurations
Gold or tin plated crimp terminals
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:

Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

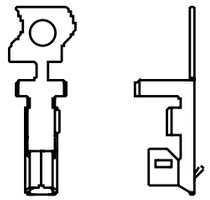
Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 100V AC max.
Current rating: 2 Amp max.
Insulation resistance: 1,000 MΩ min.
Contact Resistance: 20 mohms max.
Dielectric withstanding voltage: 500V – 1000V AC for 1 minute

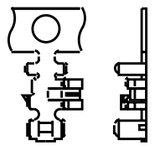
Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

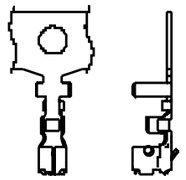
2CTC3-R



2CTD-R



2CTF-R



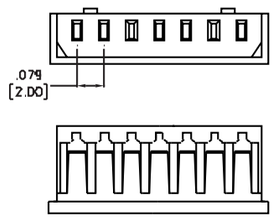
CRIMP HOUSING PART NUMBER CONFIGURATION

2CH	-	B	-	4
SERIES		**BODY STYLE**		**POSITIONS**
2CH = *2.00mm Single Row* **2CHD** = *2.00mm Dual Row*		**A1** = *Body Style "A1"* **A2** = *Body Style "A2"* **B** = *Body Style "B"* **C** = *Body Style "C"* **C1** = *Body Style "C1"* **C3** = *Body Style "C3"* **D** = *Body Style "D"* **F** = *Body Style "F"* **F2** = *Body Style "F2"* **G** = *Body Style "G"* **H** = *Body Style "H"* **HA** = *Body Style "HA"* **J** = *Body Style "J"* **K** = *Body Style "K"* **K1** = *Body Style "K1"* **N** = *Body Style "N"* **Q** = *Body Style "Q"* **Y** = *Body Style "Y"* **YL** = *Body Style "YL"* **Z** = *Body Style "Z"* **Z1** = *Body Style "Z1"*		**02** *Thru* **15**

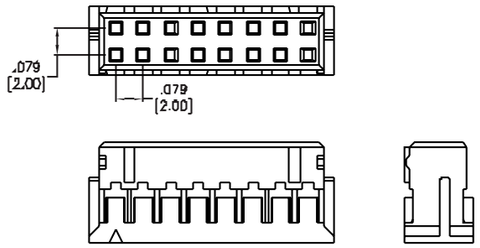
CRIMP CONTACT PART NUMBER CONFIGURATION

2CTX	-	R	-	G
SERIES		**PACKAGING**		**OPTIONS:**
2CTX = *2.00mm Body Style Contact* **2CTDX** = *2.00mm Body Style Contact* *Replace X with housing body style*		**R** = *Piece Reel*		*Add designator(s) to end of part number:* **G** = *Gold plated*

2CH-F-07



2CHD-C3-16



HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
2CH-A1-XX	.079" [2.00mm]	A	1	Crimp	View
2CH-B-XX	.079" [2.00mm]	B	1	Crimp	View
2CH-C-XX	.079" [2.00mm]	C	1	Crimp	View
2CH-C-XX-V0	.079" [2.00mm]	C	1	Crimp	View
2CH-C1-XX-V0	.079" [2.00mm]	C	1	Crimp	View
2CH-C1-XX-XX-V0	.079" [2.00mm]	C	1	Crimp	View
2CH-C3-XX-V0	.079" [2.00mm]	C	1	Crimp	View
2CH-G-XX	.079" [2.00mm]	G	1	Crimp	View
2CH-H-XX	.079" [2.00mm]	H	1	Crimp	View
2CH-HA-XX	.079" [2.00mm]	H	1	Crimp	View
2CH-J-XX	.079" [2.00mm]	J	1	Crimp	View
2CH-K-XX	.079" [2.00mm]	K	1	Crimp	View
2CH-N-XX	.079" [2.00mm]	N	1	Crimp	View
2CH-Y-XX	.079" [2.00mm]	Y	1	Crimp	View
2CH-YL-XX	.079" [2.00mm]	Y	1	Crimp	View
2CH-Z1-XX	.079" [2.00mm]	Z	1	Crimp	View
2CH-Z1-XX-RA	.079" [2.00mm]	Z	1	Crimp	View

CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
2CTA-X	.079" [2.00mm]	A	Gold	View
2CTA2-R	.079" [2.00mm]	A	Gold	View
2CTB-R	.079" [2.00mm]	B	Tin	View
2CTC-G-R	.079" [2.00mm]	C	Gold	View
2CTC-MT-R	.079" [2.00mm]	C	Tin	View
2CTC-R	.079" [2.00mm]	C	Tin	View
2CTC-X	.079" [2.00mm]	C	Tin	View
2CTC3-R	.079" [2.00mm]	C	Tin	View
2CTD2-R	.079" [2.00mm]	D	Tin	View
2CTDC-R	.079" [2.00mm]	D	Tin	View
2CTE6-R	.079" [2.00mm]	E	Tin	View
2CTF-R	.079" [2.00mm]	F	Tin	View
2CTF1-R	.079" [2.00mm]	F	Tin	View
2CTG-R	.079" [2.00mm]	G	Tin	View
2CTH-R	.079" [2.00mm]	H	Tin	View
2CTHA-R	.079" [2.00mm]	H	Tin	View
2CTJ-R	.079" [2.00mm]	J	Tin	View
2CTK-MT-R	.079" [2.00mm]	K	Tin	View
2CTK-R	.079" [2.00mm]	K	Tin	View
2CTN-R	.079" [2.00mm]	N	Tin	View
2CTY-R	.079" [2.00mm]	Y	Tin	View
2CTYL-R	.079" [2.00mm]	Y	Tin	View
2CTZ-MT-R	.079" [2.00mm]	Z	Tin	View
2CTZ-R	.079" [2.00mm]	Z	Tin	View
2CTZR-MT-R	.079" [2.00mm]	Z	Tin	View
2CTZR1-01-R	.079" [2.00mm]	Z	Tin	View

FEATURES & SPECIFICATIONS

FEATURES:

.098" [2.5mm] pitch
Multiple positions and configurations
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:

Each set has a male and female mate

SPECIFICATIONS:

Material:

Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

Plating:

Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.
Current rating: 3 Amp max.
Insulation resistance: 1,000 MΩ min.
Contact Resistance: 20 mohms max.
Dielectric withstanding voltage: 800V – 1000V AC for 1 minute

Temperature Rating:

Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

PART NUMBER CONFIGURATION

25SH	- P	- 4	- TR	- SMT
SERIES	**BODY STYLE**	**POSITIONS**	**PIN ANGLE**	**OPTIONS:**
25SH = *2.50mm Single Row*	**B** = *Body Style "B"* **B2** = *Body Style "B2"* **B3** = *Body Style "B3"* **C** = *Body Style "C"* **C1** = *Body Style "C1"* **D** = *Body Style "D"* **E** = *Body Style "E"* **E2** = *Body Style "E2"* **E3** = *Body Style "E3"* **E4** = *Body Style "E4"* **K** = *Body Style "K"* **M** = *Body Style "M"* **P** = *Body Style "P"* **P1** = *Body Style "P1"* **P2** = *Body Style "P2"* **Q** = *Body Style "Q"*	**02** *Thru* **15**	**GS** = *Gold Straight PCB* **GR** = *Gold Right Angle PCB* **TS** = *Tin Straight PCB* **TR** = *Tin Right Angle PCB*	*Add designator(s) to end of part number:* **SMT** = *Surface mount leads with Hi-Temp insolator* **PP** = *Pick and Place Cap* **T/R** = *Tape and Reel Packaging*

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
25SH-B-XX-GR-NK	.098" [2.50mm]	B	Right Angle	Through Hole	Gold	1	Tube	View
25SH-B-XX-GS	.098" [2.50mm]	B	Vertical	Through Hole	Gold	1	Tube	View
25SH-B-XX-GS-NK	.098" [2.50mm]	B	Vertical	Through Hole	Gold	1	Tube	View
25SH-B-XX-MTR	.098" [2.50mm]	B	Right Angle	Through Hole	Tin	1	Tube	View
25SH-B-XX-MTS	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	View
25SH-B-XX-TR	.098" [2.50mm]	B	Right Angle	Through Hole	Tin	1	Tube	View
25SH-B-XX-TR-NK	.098" [2.50mm]	B	Right Angle	Through Hole	Tin	1	Tube	View

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
25SH-B-XX-TS	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	View
25SH-B-XX-TS-NK-HT	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	View
25SH-B-XX-TS-P	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	View
25SH-B-XX-TS-P-BK	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	View
25SH-C-04-TS-X03	.098" [2.50mm]	C	Vertical	Through Hole	Tin	1	Tube	View
25SH-C-XX-MTR	.098" [2.50mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
25SH-C-XX-MTS	.098" [2.50mm]	C	Vertical	Through Hole	Tin	1	Tube	View
25SH-C-XX-TR	.098" [2.50mm]	C	Right Angle	Through Hole	Tin	1	Tube	View
25SH-C-XX-TS	.098" [2.50mm]	C	Vertical	Through Hole	Tin	1	Tube	View
25SH-C-XX-TS-NK	.098" [2.50mm]	C	Vertical	Through Hole	Tin	1	Tube	View
25SH-E-XX-MTR	.098" [2.50mm]	E	Right Angle	Through Hole	Tin	1	Tube	View
25SH-E-XX-TR	.098" [2.50mm]	E	Right Angle	Through Hole	Tin	1	Tube	View
25SH-E-XX-TR-WT	.098" [2.50mm]	E	Right Angle	Through Hole	Tin	1	Tube	View
25SH-E-XX-TS	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	View
25SH-E-XX-TS-HF-HT	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	View
25SH-E-XX-TS-HT	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	View
25SH-E-XX-TS-PP-TR	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tape & Reel	View
25SH-E-XX-TS-V2	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	View
25SH-E-XX-TS-V2-HF	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	View
25SH-E-XX-TS-WT	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	View
25SH-E2-XX-TR-V2	.098" [2.50mm]	E	Right Angle	Through Hole	Tin	1	Tube	View
25SH-E2-XX-TS	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	View
25SH-E2-XX-TS-V2	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	View
25SH-K-XX-TR	.098" [2.50mm]	K	Right Angle	Through Hole	Tin	1	Tube	View
25SH-K-XX-TR-PBL	.098" [2.50mm]	K	Right Angle	Through Hole	Tin	1	Tube	View
25SH-K-XX-TS	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	View
25SH-K-XX-TS-BK	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	View
25SH-K-XX-TS-BU	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	View
25SH-K-XX-TS-NP	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	View
25SH-K-XX-TS-RD	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	View
25SH-K-XX-TS-SMT	.098" [2.50mm]	K	Vertical	Surface Mount	Tin	1	Tube	View
25SH-M-XX-TR	.098" [2.50mm]	M	Right Angle	Through Hole	Tin	1	Tube	View
25SH-M-XX-TS	.098" [2.50mm]	M	Vertical	Through Hole	Tin	1	Tube	View
25SH-M-XX-TS-BK	.098" [2.50mm]	M	Vertical	Through Hole	Tin	1	Tube	View
25SH-M-XX-TS-RD	.098" [2.50mm]	M	Vertical	Through Hole	Tin	1	Tube	View
25SH-P-XX-TR-SMT	.098" [2.50mm]	P	Right Angle	Surface Mount	Tin	1	Tube	View
25SH-P-XX-TR-SMT-TR	.098" [2.50mm]	P	Right Angle	Surface Mount	Tin	1	Tape & Reel	View
25SH-P1-XX-GR-SMT	.098" [2.50mm]	P	Right Angle	Surface Mount	Gold	1	Tube	View
25SH-P1-XX-GR-SMT-TR	.098" [2.50mm]	P	Right Angle	Surface Mount	Gold	1	Tape & Reel	View
25SH-P2-XX-GR-SMT-TR	.098" [2.50mm]	P	Right Angle	Surface Mount	Gold	1	Tape & Reel	View
25SHD-A-XX-TS	.098" [2.50mm]	A	Vertical	Through Hole	Tin	2	Tube	View

FEATURES & SPECIFICATIONS

FEATURES:
.098" [2.5mm] pitch
Multiple positions and configurations
Gold or tin plated crimp terminals
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:
Insulator:
Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

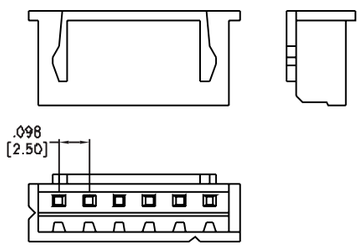
Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amp max.
Insulation resistance: 1,000 MΩ min.
Contact Resistance: 20 mohms max.
Dielectric withstanding voltage: 800V – 1000V AC for 1 minute

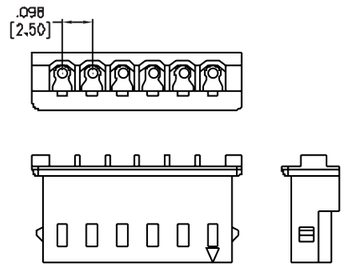
Temperature Rating:
Operating temperature range: -25°C to +85°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

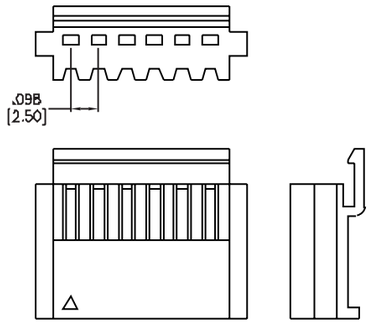
25CH-B HOUSING



25CH-E HOUSING



25CH-M HOUSING



HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
25CH-B-XX	.098" [2.50mm]	B	1	Crimp	View
25CH-C-XX	.098" [2.50mm]	C	1	Crimp	View
25CH-D-XX	.098" [2.50mm]	D	1	Crimp	View
25CH-E-XX	.098" [2.50mm]	E	1	Crimp	View
25CH-E6-XX	.098" [2.50mm]	E	1	Crimp	View
25CH-F-XX	.098" [2.50mm]	F	1	Crimp	View
25CH-G-XX	.098" [2.50mm]	G	1	Crimp	View
25CH-H-XX	.098" [2.50mm]	H	1	Crimp	View
25CH-K-XX	.098" [2.50mm]	K	1	Crimp	View
25CH-L-XX	.098" [2.50mm]	L	1	Crimp	View
25CH-M-XX	.098" [2.50mm]	M	1	Crimp	View
25CH-N-XX	.098" [2.50mm]	N	1	Crimp	View

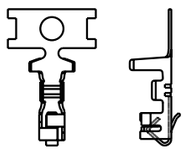
CRIMP HOUSING PART NUMBER CONFIGURATION

25CH	-	L	-	4
SERIES		**BODY STYLE**		**POSITIONS**
25CH = *2.50mm Single Row*		**B** = *Body Style "B"* **B1** = *Body Style "B1"* **C** = *Body Style "C"* **D** = *Body Style "D"* **E** = *Body Style "E"* **E1** = *Body Style "E1"* **E2** = *Body Style "E2"* **E4** = *Body Style "E4"* **F** = *Body Style "F"* **F1** = *Body Style "F1"* **G** = *Body Style "G"* **H** = *Body Style "H"* **K** = *Body Style "K"* **L** = *Body Style "L"* **M** = *Body Style "M"* **N** = *Body Style "N"* **Q** = *Body Style "Q"*		**02** *Thru* **15**

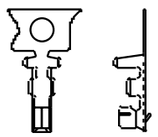
CRIMP CONTACT PART NUMBER CONFIGURATION

25CTX	-	R	-	G
SERIES		**PACKAGING**		**OPTIONS:**
25CTX = *2.50mm Body Style Contact* *Replace X with housing body style*		**R** = *Piece Reel*		*Add designator(s) to end of part number:* **G** = *Gold plated*

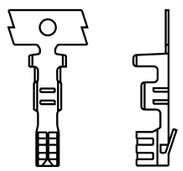
25CTB-R



25CTC-R



25CTE-R

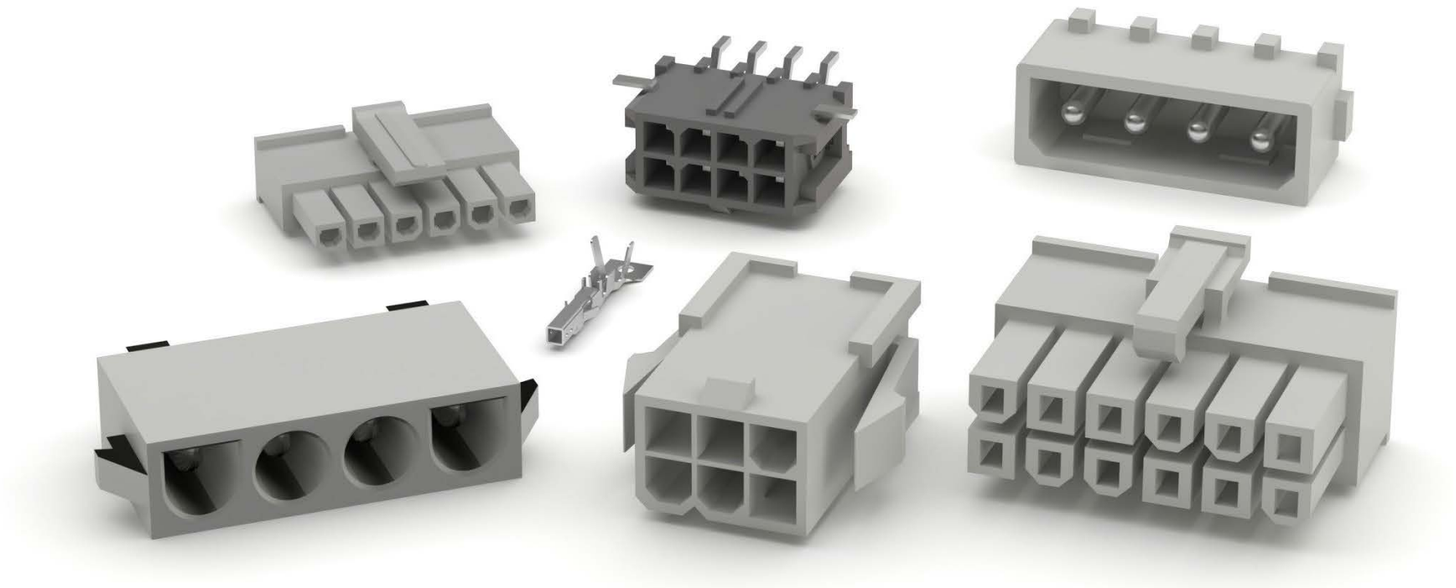


CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
25CTB-R	.098" [2.50mm]	B	Tin	View
25CTC-R	.098" [2.50mm]	C	Tin	View
25CTE-R	.098" [2.50mm]	E	Tin	View
25CTE6-R	.098" [2.50mm]	E	Tin	View

Wire to Board Power Connectors and Systems

Adam Tech Wire to Board Power Connectors consist of a receptacle and plug set in a variety of single and multiple row configurations with .098", .100", .118", .137", .163", .165", .224" and .250" pitch centerlines. They are manufactured of Nylon 6/6 with a flammability rating of UL94V-2 or UL94V-0. This series is designed as a mated set with a PCB mounted header and a wire mounted socket which securely latches to header when mated. Our specially designed bodies provide polarization to eliminate mismating and our latching system resists heavy vibration. PCB mounted headers have molded pegs which align and brace the PCB tails for trouble free assembly and use.



FEATURES & SPECIFICATIONS

FEATURES:

Header, housings, and crimp sets
Pitches ranging from .098" to .250"
Available in multiple positions
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

Electrical:

Operating voltage: 250V – 600V AC / DC max.
Current Rating: 3 - 13 Amps max
Contact Resistance: 20 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V – 5000V AC/DC for 1 minute

Temperature Rating:

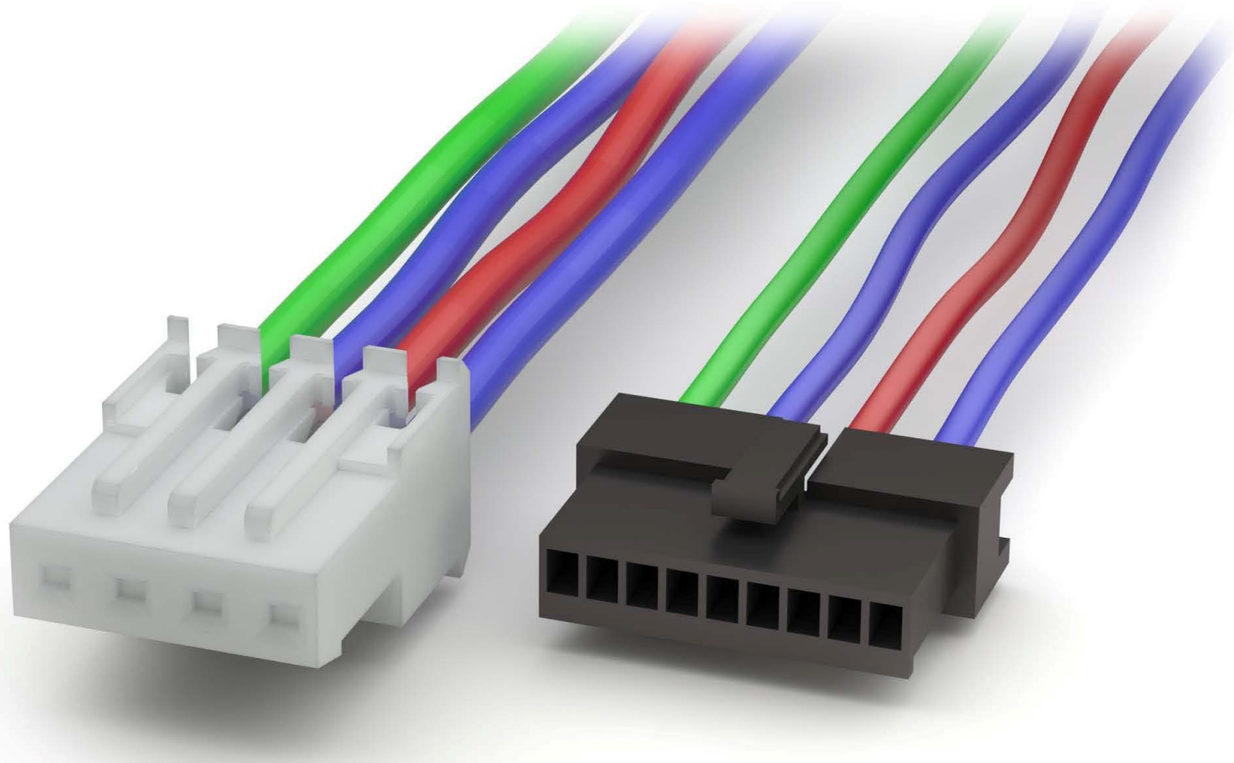
Operating temperature range: -25°C to +85°C

PACKAGING:

Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



FEATURES & SPECIFICATIONS

FEATURES:
.100” [2.54mm] pitch
Positions: 4 to 50
Dual row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

Electrical:
Operating voltage: 250V AC / DC max.
Current Rating: 3 Amps max
Contact Resistance: 20 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: -55°C to +125°C

PACKAGING:
Anti-ESD plastic bags

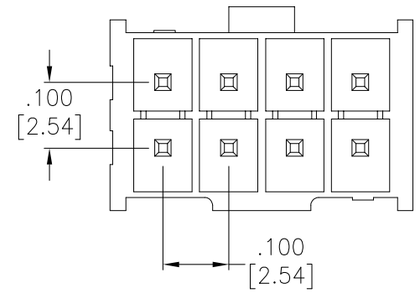
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

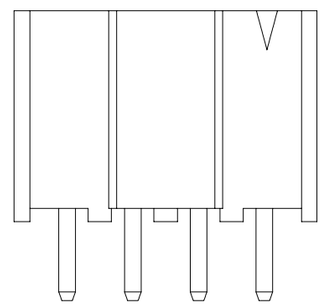
PART NUMBER CONFIGURATION

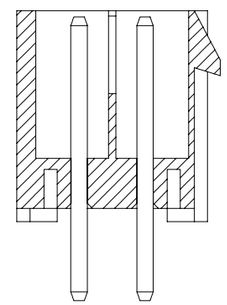
DMV	- 50	- RA	- SG	- SMT	- V0	- BG
SERIES	POSITIONS	MOUNTING TYPE	PLATING OPTIONS	SOLDER OPTIONS	UL94VX RATING	OPTIONS:
DMV = *.100 [2.54] Wafer, Dual Rows, Straight*	**04** *Thru* **50** *Dual Row*	**RA** = *Right angle* **V** = *Straight SMT* **Blank** = *Straight DIP*	**T** = *Tin* **SG** = *Selective Gold*	**Blank** = *DIP Type* **SMT** = *Surface mount*	**Blank** = *V2* **V0** = *V0*	**BG** = *Beige color insulator* **HT** = *High Temperature Insulator* **K** = *W/ Key* **T/R** = *Tape and Reel Packaging*

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
DMV-XX-RA-SG-BG-V0-HT	.100" [2.54mm]	2	Right Angle	Through Hole	Gold	Bag	View
DMV-XX-RA-SG-V0-HT	.100" [2.54mm]	2	Right Angle	Through Hole	Gold	Bag	View
DMV-XX-SG-BG-HT-V0	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	View
DMV-XX-SG-BG-HT-V0-10	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	View
DMV-XX-SG-BG-HT-V0-K	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	View
DMV-XX-SG-BG-HT-V0-K-10	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	View
DMV-XX-SG-V0	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	View
DMV-XX-SG-V0-HT	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	View
DMV-XX-T-BG-HT-V0	.100" [2.54mm]	2	Vertical	Through Hole	Tin	Bag	View
DMV-XX-T-BG-HT-V0-K	.100" [2.54mm]	2	Vertical	Through Hole	Tin	Bag	View
DMV-XX-V-SG-SMT-V0	.100" [2.54mm]	2	Vertical	Surface Mount	Gold	Bag	View

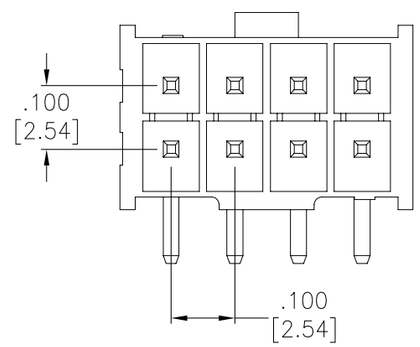
DMV STRAIGHT

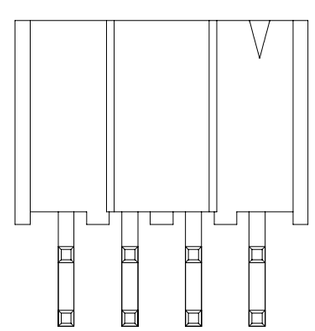


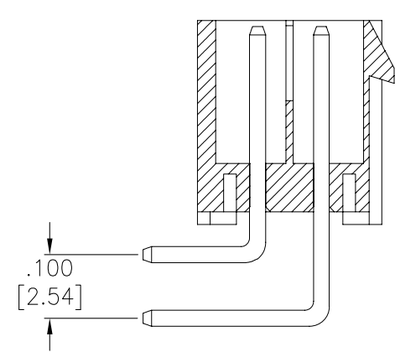




DMV RIGHT ANGLE







FEATURES & SPECIFICATIONS

FEATURES:
.100” [2.54mm] pitch
Positions: 2 to 25
Dual row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

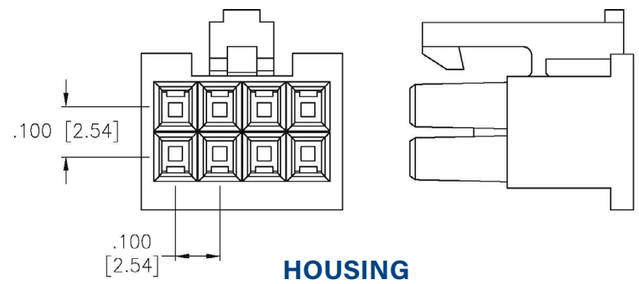
Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

Electrical:
Operating voltage: 250V AC / DC max.
Current Rating: 3 Amps max
Contact Resistance: 20 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: -55°C to +125°C

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053



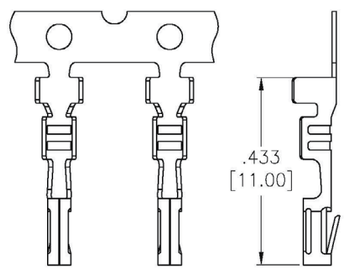
HOUSING

HOUSING

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMS-XX	.100" [2.54mm]	2	View

CRIMP HOUSING PART NUMBER CONFIGURATION

DMS	-	04
SERIES		POSITIONS
DMS = *.100 [2.54] Plug Wire Housing*		*2*02 (**04**) Thru 2*25 (**50**)*



CRIMP TERMINAL

CRIMP CONTACT PART NUMBER CONFIGURATION

DMS	-	B	-	C	-	M	-	B
SERIES		WIRE RANGE # AWG		CRIMP CONTACT		CONTACT GENDER		PACKING
DMS = *.100 [2.54] Plug Wire Housing*		**B** = *#20~ #24*		**C** = *Crimp contact*		**F** = *Female*		**R** = *Reel* **B** = *Bag*

CRIMP TERMINAL

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMS-B-C-F-B	.100" [2.54mm]	Tin	View

FEATURES & SPECIFICATIONS

FEATURES:
.118” [3.0mm] pitch
Positions: 2 to 24
Single and dual row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

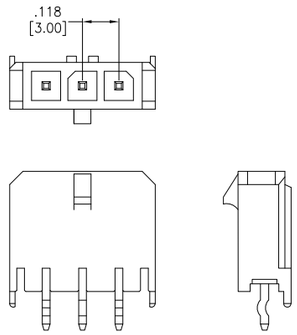
Electrical:
Operating voltage: 250V AC / DC max.
Current Rating: 5 Amps max.
Contact Resistance: 20 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +105°C

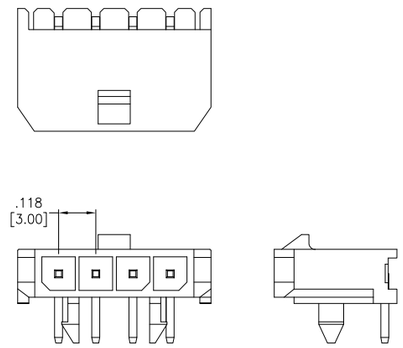
PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SINGLE ROW, DIP

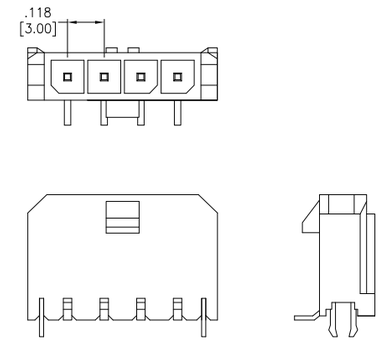


Vertical DIP

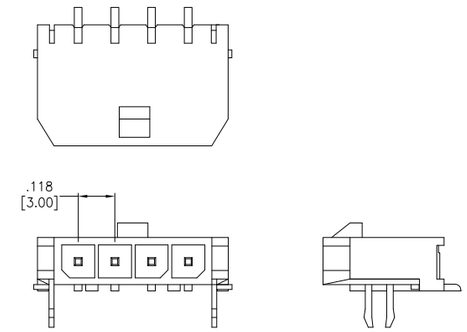


Right Angle DIP

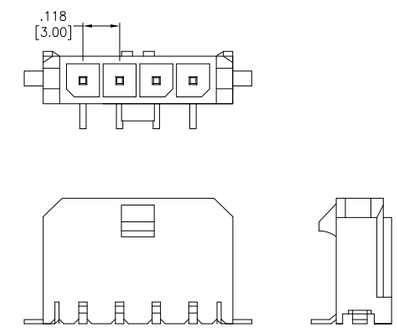
SINGLE ROW



Vertical SMT



Right Angle SMT



Vertical TSMT

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
DML-06-A-H-T-A-TSMT-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	View
DML-08-A-V-T-TSMT-PP-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	View
DML-1-XX-A-H-G-A-BL	.118" [3.00mm]	1	Right Angle	Through Hole	Gold	Bag	View
DML-1-XX-A-H-G-A-SMT-SBL-TR	.118" [3.00mm]	1	Right Angle	Surface Mount	Gold	Tape & Reel	View
DML-1-XX-A-H-MT-A-SMT-SBL-TR	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin	Tape & Reel	View
DML-1-XX-A-H-T-A	.118" [3.00mm]	1	Right Angle	Through Hole	Tin	Bag	View
DML-1-XX-A-H-T-A-BL	.118" [3.00mm]	1	Right Angle	Through Hole	Tin	Bag	View
DML-1-XX-A-H-T-A-SMT-SBL	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin	Bag	View
DML-1-XX-A-H-T-A-TSMT	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin		View
DML-1-XX-A-H-T-A-TSMT-TR	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin	Tape & Reel	View
DML-1-XX-A-H-T-A-TSMT-WT	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin		View
DML-1-XX-A-V-G-A	.118" [3.00mm]	1	Vertical	Through Hole	Gold	Bag	View
DML-1-XX-A-V-T-A	.118" [3.00mm]	1	Vertical	Through Hole	Tin	Bag	View
DML-1-XX-A-V-T-A-SBL	.118" [3.00mm]	1	Vertical	Through Hole	Tin	Bag	View
DML-1-XX-A-V-T-A-SMT-SBL	.118" [3.00mm]	1	Vertical	Surface Mount	Tin	Tape & Reel	View

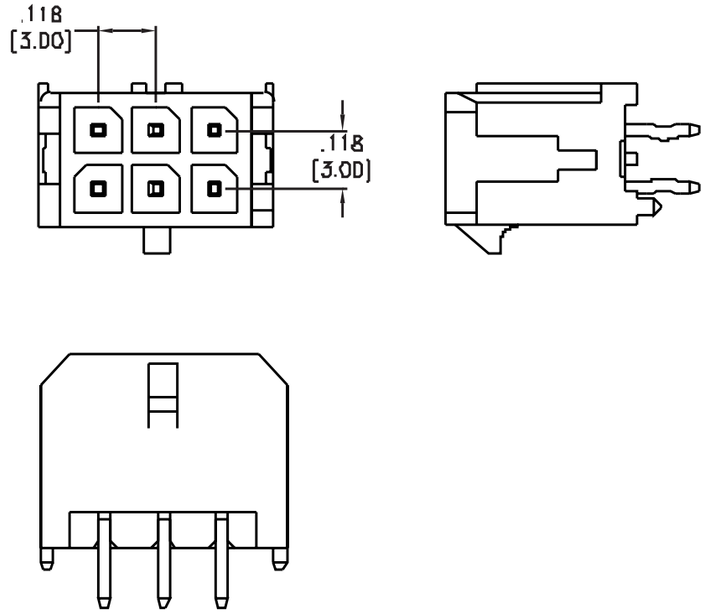
PART NUMBER CONFIGURATION

DML - 1 - 24 - A - H - T - A - SMT - SBL - PP

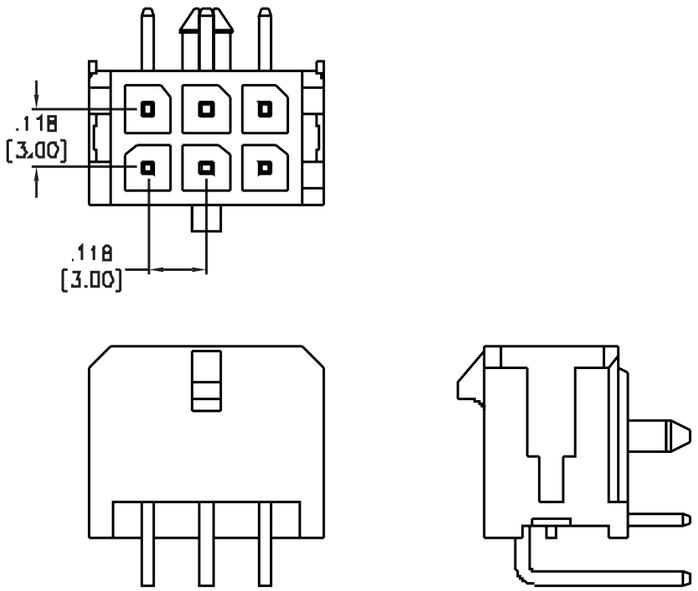
SERIES	ROW TYPE	POSITIONS	HEADERS TYPE	MOUNTING TYPE	PLATING OPTIONS	UL94VX RATING	PCB CONTACT TYPE	PCB MOUNT TYPE	OPTIONS:
DML = *.118 [3.00mm] Pitch Connector Housings*	**Blank** = *Dual Row* **1** = *Single Row*	**02** *Thru* **24**	**A** = *PCB Headers*	**H** = *Horizontal* **V** = *Vertical*	**T** = *Tin* **MT** = *Matte Tin* **G** = *Full Gold* **SG** = *Selective Gold (DIP Only)*	**A** = *V0* **B** = *V2*	**Blank** = *DIP* **SMT** = *Surface Mount* **TSMT** = *True Surface Mount*	**Blank** = *Peg* **BL** = *Boardlock* **SBL** = *Short Boardlock* **P** = *Peg* **SBLP** = *Short Boardlock, Peg + Boardlock*	*Add designator(s) to end of part number* **FL** = *Entry Flange Type* **PP** = *Pick and Place Cap* **T/R** = *Tape and Reel packaging*

DML-1-XX-A-V-T-A-TSMT-PP-TR	.118" [3.00mm]	1	Vertical	Surface Mount	Tin	Bag	View
DML-1-XX-V-T-SMT	.118" [3.00mm]	1	Vertical	Surface Mount	Tin	Bag	View
DML-XX-A-H-G-A-BL	.118" [3.00mm]	2	Right Angle	Through Hole	Gold	Bag	View
DML-XX-A-H-G-A-SBL	.118" [3.00mm]	2	Right Angle	Through Hole	Gold	Bag	View
DML-XX-A-H-G-SMT-BL	.118" [3.00mm]	2	Right Angle	Surface Mount	Gold	Bag	View
DML-XX-A-H-G-SMT-BL-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Gold	Tape & Reel	View
DML-XX-A-H-MT-A-SBL	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	View
DML-XX-A-H-T-A	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	View
DML-XX-A-H-T-A-BL	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	View
DML-XX-A-H-T-A-SBL	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	View
DML-XX-A-H-T-A-TSMT	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Bag	View
DML-XX-A-H-T-A-TSMT-PP-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	View
DML-XX-A-H-T-A-TSMT-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	View
DML-XX-A-H-T-SMT-BL	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Bag	View
DML-XX-A-H-T-SMT-BL-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	View
DML-XX-A-H-T-SMT-SBL-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	View
DML-XX-A-V-G-A	.118" [3.00mm]	2	Vertical	Through Hole	Gold	Bag	View
DML-XX-A-V-G-A-6	.118" [3.00mm]	2	Vertical	Through Hole	Gold	Bag	View
DML-XX-A-V-G-A-BL	.118" [3.00mm]	2	Vertical	Through Hole	Gold	Bag	View
DML-XX-A-V-G-SMT-SBL-PP-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Gold	Tape & Reel	View
DML-XX-A-V-G-TSMT-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Gold	Tape & Reel	View
DML-XX-A-V-MT-A	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	View
DML-XX-A-V-MT-A-BL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	View
DML-XX-A-V-MT-A-P-BL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	View
DML-XX-A-V-SG-A	.118" [3.00mm]	2	Vertical	Through Hole	Gold	Bag	View
DML-XX-A-V-T-A	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	View
DML-XX-A-V-T-A-BL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	View
DML-XX-A-V-T-A-NP	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	View
DML-XX-A-V-T-A-P-SBL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	View
DML-XX-A-V-T-A-SBL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	View
DML-XX-A-V-T-SMT-BL	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Bag	View
DML-XX-A-V-T-SMT-BL-PP-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	View
DML-XX-A-V-T-SMT-SBL-PP-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	View
DML-XX-A-V-T-TSMT	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Bag	View
DML-XX-A-V-T-TSMT-PP-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	View
DML-XX-A-V-T-TSMT-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	View
DML-XX-B-H-T-A	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	View
DML-XX-H-T-FL	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	View
DML-XX-V-T-FL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	View

DUAL ROW VERTICAL



DUAL ROW RIGHT ANGLE



FEATURES & SPECIFICATIONS

FEATURES:
.118” [3.0mm] pitch
Positions: 2 to 24
Single and dual row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

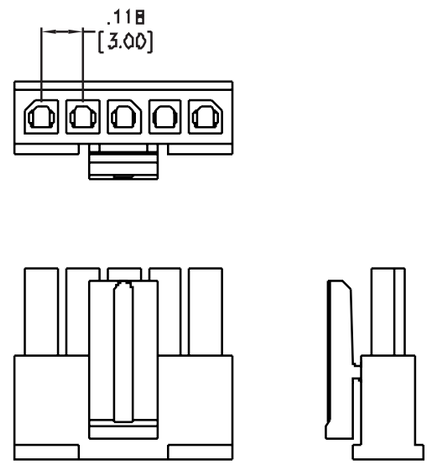
Electrical:
Operating voltage: 250V AC / DC max.
Current Rating: 5 Amps max.
Contact Resistance: 20 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +105°

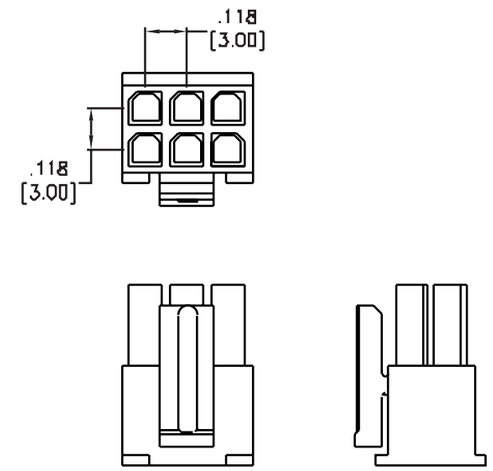
PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

DMT SINGLE ROW



DMT DUAL ROW



HOUSING PART NUMBER CONFIGURATION

DMT	-	2	-	XX
SERIES		HOUSING TYPE		POSITIONS
DMT = *.118" [3.00mm] Wire Crimp Housing, Male*		**1** = *Single row* **2** = *Dual row*		*Single row:* **02** ~**12** *Dual row:* **02** ~ **24**

HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMT-1-XX	.118" [3.00mm]	1	View
DMT-2-XX	.118" [3.00mm]	2	View

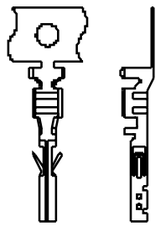
CRIMP CONTACT PART NUMBER CONFIGURATION

DMT	-	B	-	C	-	F	-	T	-	R
SERIES		WIRE RANGE # AWG		CRIMP CONTACT		CONTACT GENDER		PLATING OPTIONS		PACKING
DMT = *.118 [3.00mm] Pitch Connector Housings*		**Blank** = **A** = *#22 ~ #28* **B** = *#18 ~ #24*		**C** = *Crimp contact*		**F** = *Female*		**T** = *Tin* **MT** = *Matte Tin* **G** = *Gold*		**R** = *Reel* **B** = *Bag*

CRIMP TERMINALS

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMT-X-C-F-G-R	.118" [3.00mm]	Gold	View
DMT-X-C-F-MT-R	.118" [3.00mm]	Tin	View
DMT-X-C-F-T-R	.118" [3.00mm]	Tin	View

DMT FEMALE CRIMP CONTACT



FEATURES & SPECIFICATIONS

FEATURES:
.137" [3.5mm] pitch
Positions: 4 to 24
Dual row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

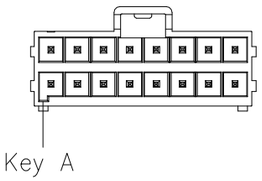
Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: 14 Amps max.
Contact Resistance: 15 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1800V AC/DC for 1 minute

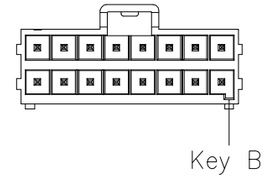
Temperature Rating:
Operating temperature range: -40°C to +105°C

PACKAGING:
Anti-ESD plastic bags

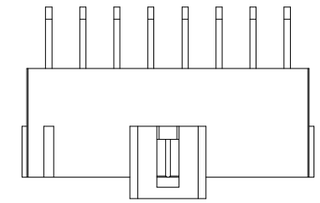
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

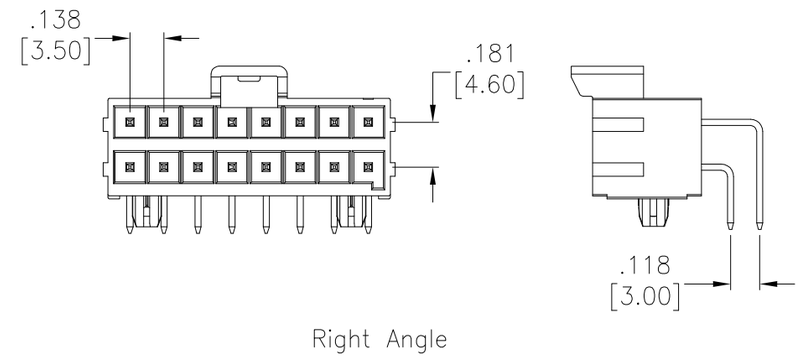
POLARIZING KEY OPTIONS

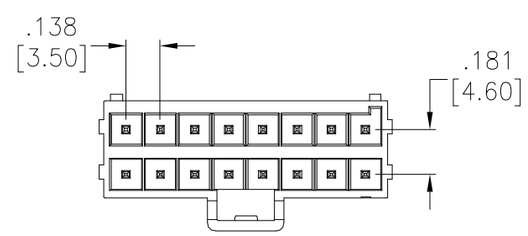


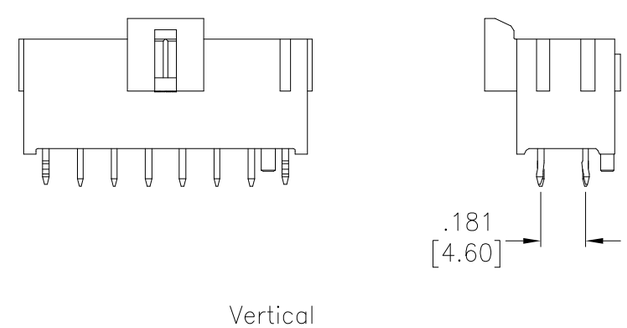


DMD CONNECTOR









PART NUMBER CONFIGURATION

DMD -	12 -	A -	H -	T -	A -	HT
SERIES	POSITIONS		MOUNTING TYPE	PLATING OPTIONS	POLARIZING KEY	
DMD = *.137" [3.50mm] Pitch Connectors*	**04** *Thru* **24**		**H** = *Horizontal* **V** = *Vertical*	**T** = *Tin* **G** = *Gold*	**A** = *Left Side* **B** = *Right Side*	

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PRODUCT DATA
DMD-XX-A1-H-T-X-HT	.137" [3.50mm]	2	Horizontal	Through Hole	Tin	View
DMD-XX-A-V-T-X-HT	.137" [3.50mm]	2	Vertical	Through Hole	Tin	View

FEATURES & SPECIFICATIONS

FEATURES:
.137” [3.5mm] pitch
Positions: 4 to 24
Dual row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

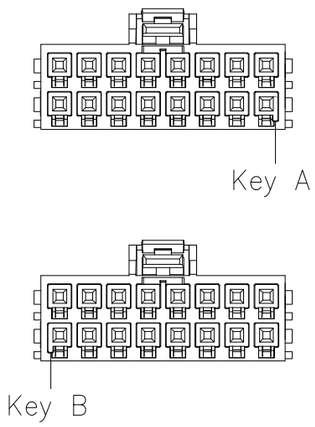
Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: 14 Amps max.
Contact Resistance: 15 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1800V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +105°C

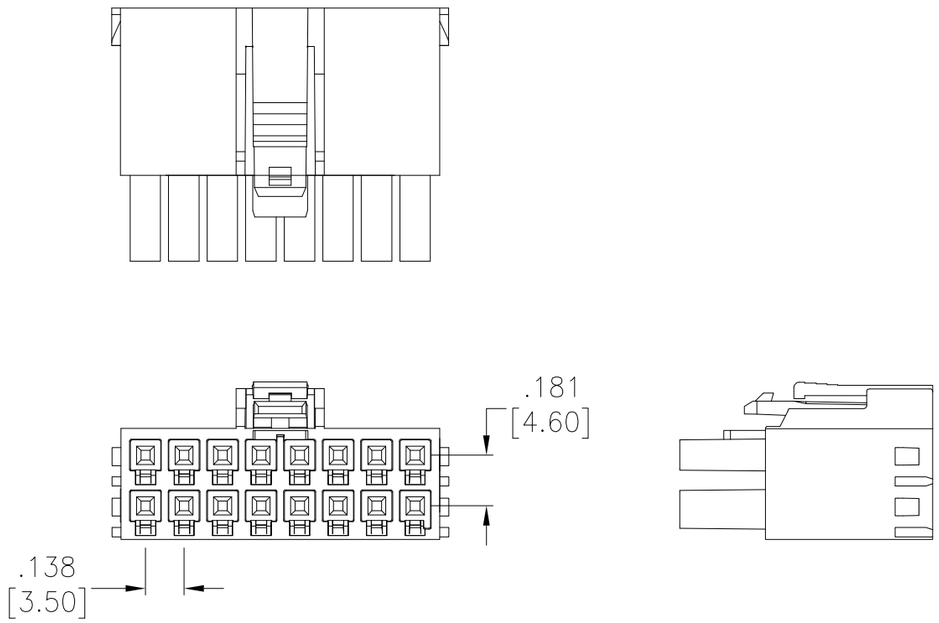
PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

POLARIZING KEY OPTIONS



DMD HOUSING



HOUSING PART NUMBER CONFIGURATION

DMD	-	M1	-	12	-	A
SERIES				POSITIONS		POLARIZING KEY
DMD = *.137" [3.50mm] Pitch Connector*				**04** *Thru* **24**		**A** = *Left Side* **B** = *Right Side*

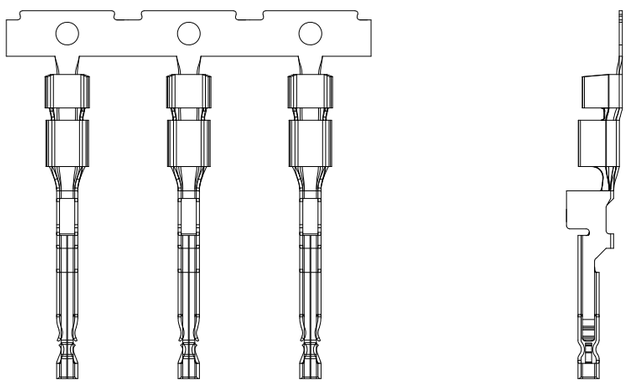
CRIMP TERMINAL PART NUMBER CONFIGURATION

DMD	-	M1C	-	C	-	T	-	R
SERIES				CRIMP CONTACT		PLATING OPTIONS		
DMD = *.137" [3.50mm] Pitch Connector*				**C** = *Crimp contact*		**T** = *Tin* **G** = *Gold*		

HOUSING

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMD-M1-XX-X	.137" [3.50mm]	2	View

DMD CRIMP TERMINAL



CRIMP TERMINAL

PART NUMBER	PITCH	PRODUCT DATA
DMD-M1C-C-X-R	.137" [3.50mm]	View

FEATURES & SPECIFICATIONS

FEATURES:
.163” [4.14mm] pitch
Positions: 4 to 24
Dual row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

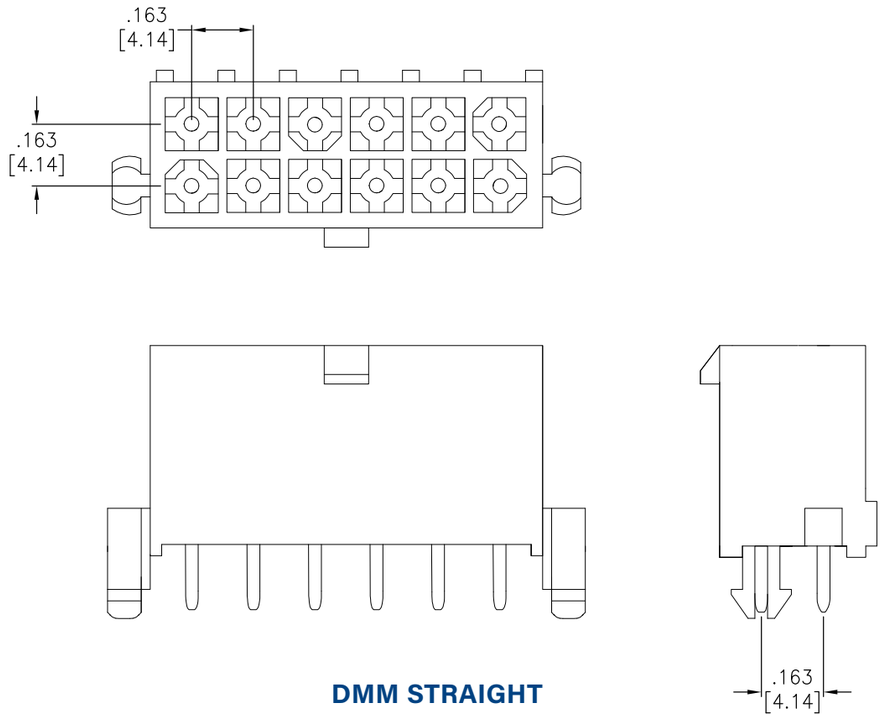
Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: 5 Amps max.
Contact Resistance: 10 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +105°C

PACKAGING:
Anti-ESD plastic bags

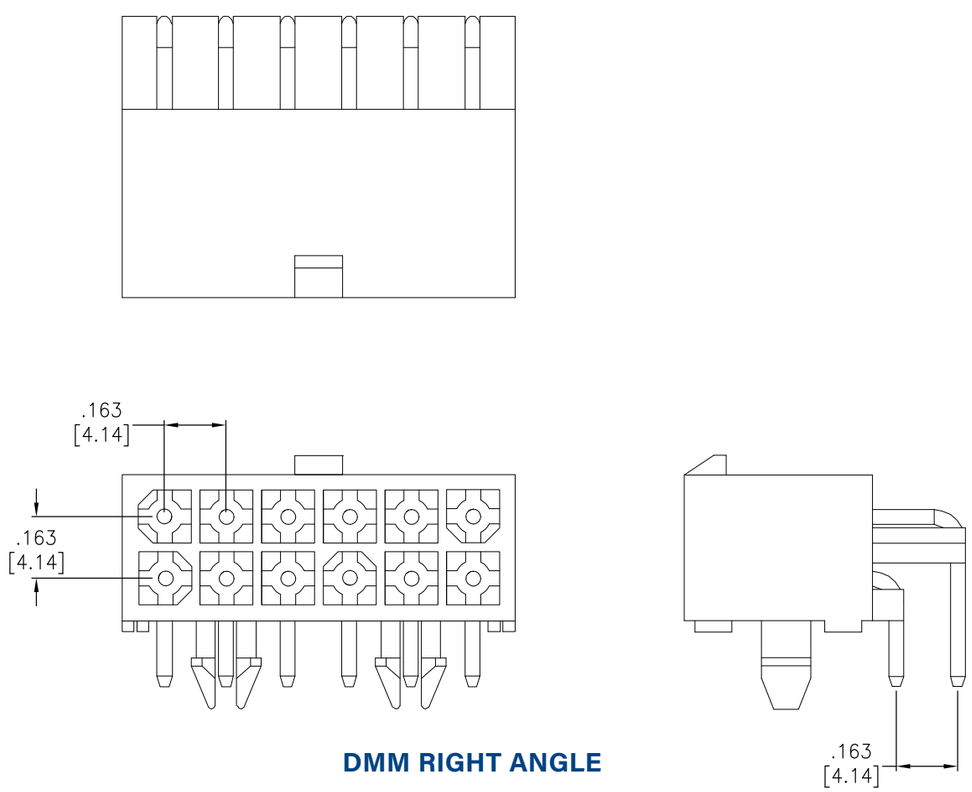
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053



DMM STRAIGHT

PART NUMBER CONFIGURATION

DMM -	12 -	R -	N -	P -	G -	V0
SERIES	POSITIONS	MOUNTING TYPE	LOCKING NOSE OPTION	PEG OPTIONS	PLATING OPTIONS	UL94VX RATING
DMM = *.163 [4.14mm] Pitch Header*	**04** *Thru* **12**	**R** = *Right angle* **S** = *Straight*	**N** = *W/ Nose*	**P** = *W/ Peg*	**Blank** = *Tin* **MT** = *Matte Tin* **G** = *Full Gold* **SG** = *Selective Gold* **SGM** = *Selective Gold / Matte Tin*	**Blank** = *V2* **V0** = *V0*



DMM RIGHT ANGLE

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMM-XX-R-N-P-MT-V0	.163" [4.14mm]	2	View
DMM-XX-S-N-P-V0	.163" [4.14mm]	2	View
DMM-XX-S-N-P1-V0	.163" [4.14mm]	2	View
DMM-XX-S-N-P1-V0-HT	.163" [4.14mm]	2	View

FEATURES & SPECIFICATIONS

FEATURES:
.163” [4.14mm] pitch
Positions: 2 to 24
Dual row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

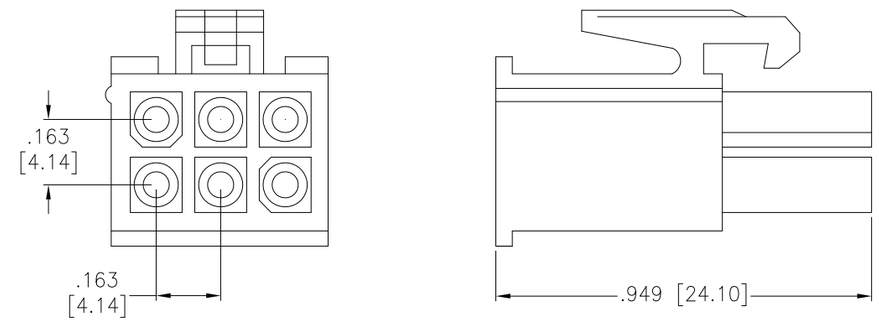
Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: 5 Amps max.
Contact Resistance: 10 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +105°C

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

DMW CRIMP HOUSING

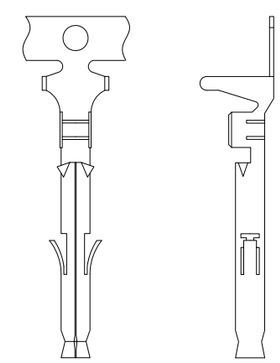


HOUSING

PART NUMBER	PITCH	HOUSEING TYPE	PRODUCT DATA
DMW-XX	.163" [4.14mm]	Plug	View

HOUSING PART NUMBER CONFIGURATION

DMW	-	12
SERIES		POSITIONS
DMW = *.163" [4.14mm] Housing*		**04** *Thru* **12**



DMW FEMALE CRIMP CONTACT

CRIMP CONTACT

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
DMW-X-C-F-R	.163" [4.14mm]	Female	Tin	View

CRIMP CONTACT PART NUMBER CONFIGURATION

DMW	-	B	-	C	-	M	-	R
SERIES		WIRE RANGE # AWG		CRIMP CONTACT		CONTACT GENDER		PACKING
DMW = *.163" [4.14mm] Wire To Wire System*		**A** = *#18~ #24* **B** = *#22~ #26* **C** = *#16*		**C** = *Crimp contact*		**F** = *Female*		**R** = *Reel*

FEATURES & SPECIFICATIONS

FEATURES:
.165” [4.2mm] pitch
Positions: 2 to 24
Dual row
Polarized anti-vibration design

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

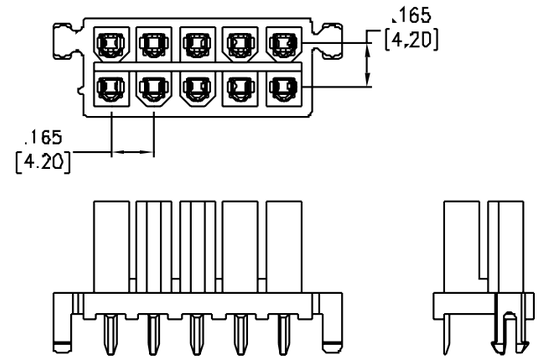
Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: 9 Amps max
Contact Resistance: 20 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +105°C

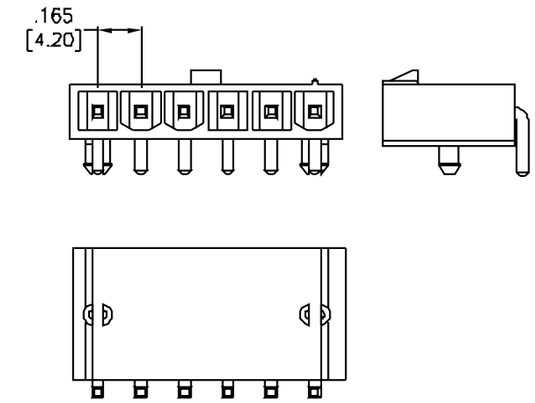
PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

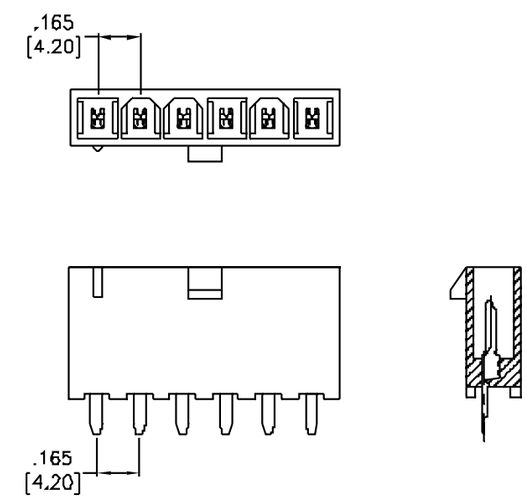
DMF PCB RECEPTACLE



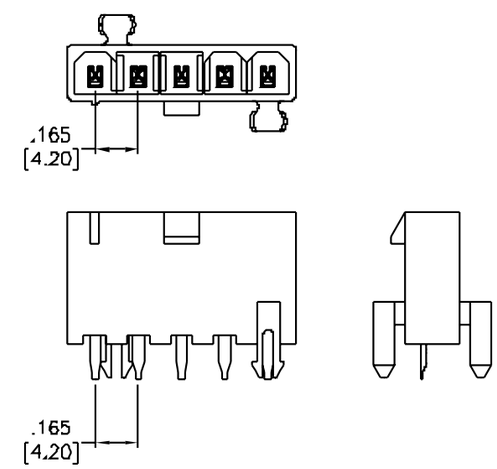
DMF SINGLE ROW R/A HEADER



DMF SINGLE ROW VERTICAL HEADER



DMF SINGLE ROW VERTICAL HEADER WITH PEGS



SINGLE ROW PCB HEADERS PART NUMBER CONFIGURATION

DMF -	12 -	A -	VS -	T -	P -	V0
SERIES	**POSITIONS**	**MOUNTING TYPE**	**NO. OF ROWS**	**PLATING:**	**PEG OPTION**	**UL94VX RATING**
DMF = *.165" [4.2mm] Pitch Header*	**02** *Thru* **12**	**A** = *Female PCB Vertical* **A1** = *Female PCB Right Angle*	**VS** = *Vertical Single* **RS** = *Right Angle Single*	**T** = *Tin* **MT** = *Matte Tin* **SG** = *Selective Gold* **G** = *Gold*	**Blank** = *No Peg* **P** = *W/Peg*	**Blank** = *V2* **V0** = *V0*

DUAL ROW PCB HEADERS & RECEPTACLE PART NUMBER CONFIGURATION

DMF -	12 -	R -	F -	T -	P -	F -	V0 -	HT
SERIES	**POSITIONS**	**MOUNTING TYPE**	**FLANGE OPTION**	**PLATING:**	**PEG OPTION**	**FLANGE OPTION**	**UL94VX RATING**	**HIGH TEMP**
DMF = *.165" [4.2mm] Pitch Header*	**02** *Thru* **24**	**R** = *Female PCB Vertical* **R1** = *Female PCB Right Angle*	**Blank** = *Straight Type Right Angle Type* **N** = *No Flange* **F** = *W/Flange*	**T** *or* **Blank** = *Tin* **MT** = *Matte Tin* **SG** = *Selective Gold* **G** = *Gold*	**Blank** = *No Peg* **P** = *W/Peg*	**Blank** = *No Flange* **F** = *Mounting Flange*	**Blank** = *V2* **V0** = *V0*	**Blank** = *Normal Temp* **HT** = *High Temp*

DMF SINGLE ROW HEADER

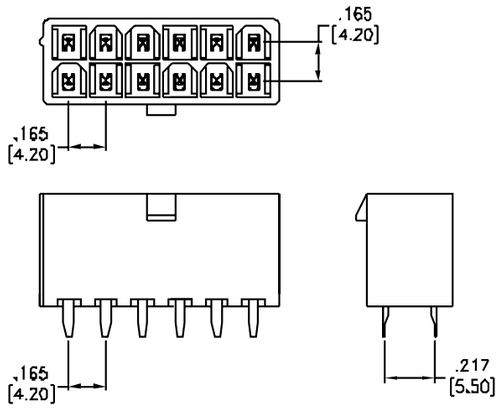
PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMF-XX-A-VS-T	.165" [4.20mm]	1	View
DMF-XX-A-VS-T-V0	.165" [4.20mm]	1	View
DMF-XX-A-VS-T-P	.165" [4.20mm]	1	View
DMF-XX-A-VS-MT-P-V0	.165" [4.20mm]	1	View
DMF-XX-A-VS-G-P-V0	.165" [4.20mm]	1	View
DMF-XX-A1-RS-T	.165" [4.20mm]	1	View
DMF-XX-A1-RS-T-P	.165" [4.20mm]	1	View
DMF-XX-A1-RS-T-NR	.165" [4.20mm]	1	View

DMF DUAL ROW HEADERS

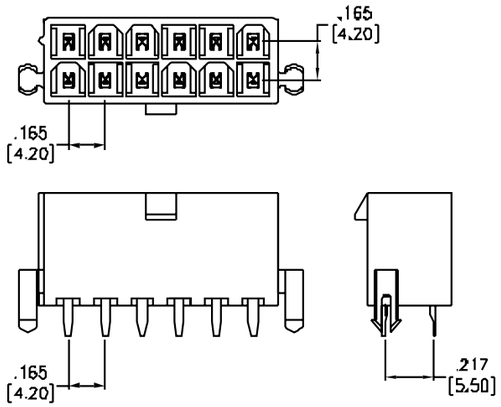
PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMF-XX-R-F	.165" [4.20mm]	2	View
DMF-XX-R-F-V0	.165" [4.20mm]	2	View
DMF-XX-R-N	.165" [4.20mm]	2	View
DMF-XX-R-N-G	.165" [4.20mm]	2	View
DMF-XX-R-N-G-V0	.165" [4.20mm]	2	View
DMF-XX-R-N-HT	.165" [4.20mm]	2	View
DMF-XX-R-N-MT	.165" [4.20mm]	2	View
DMF-XX-R-N-MT-BK-V0	.165" [4.20mm]	2	View
DMF-XX-R-N-P	.165" [4.20mm]	2	View
DMF-XX-R-N-P-BK	.165" [4.20mm]	2	View
DMF-XX-R-N-P-BK-V0	.165" [4.20mm]	2	View
DMF-XX-R-N-P-G	.165" [4.20mm]	2	View
DMF-XX-R-N-P-MT	.165" [4.20mm]	2	View
DMF-XX-R-N-P-MT-V0	.165" [4.20mm]	2	View
DMF-XX-R-N-P-MT-V0-HT	.165" [4.20mm]	2	View
DMF-XX-R-N-P-V0	.165" [4.20mm]	2	View
DMF-XX-R-N-V0	.165" [4.20mm]	2	View
DMF-XX-R-N-V0-HT	.165" [4.20mm]	2	View
DMF-XX-R1-N-P	.165" [4.20mm]	2	View
DMF-XX-S	.165" [4.20mm]	2	View
DMF-XX-S-BK	.165" [4.20mm]	2	View
DMF-XX-S-G	.165" [4.20mm]	2	View

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMF-XX-S-G-V0	.165" [4.20mm]	2	View
DMF-XX-S-G30-P-V0	.165" [4.20mm]	2	View
DMF-XX-S-G30-V0	.165" [4.20mm]	2	View
DMF-XX-S-MT	.165" [4.20mm]	2	View
DMF-XX-S-MT-BK-V0	.165" [4.20mm]	2	View
DMF-XX-S-MT-HT	.165" [4.20mm]	2	View
DMF-XX-S-NDH	.165" [4.20mm]	2	View
DMF-XX-S-P	.165" [4.20mm]	2	View
DMF-XX-S-P-MT	.165" [4.20mm]	2	View
DMF-XX-S-P-NDH	.165" [4.20mm]	2	View
DMF-XX-S-P-NDH-V0	.165" [4.20mm]	2	View
DMF-XX-S-P-SG-30-V0	.165" [4.20mm]	2	View
DMF-XX-S-P-V0	.165" [4.20mm]	2	View
DMF-XX-S-SG-NDH-V0	.165" [4.20mm]	2	View
DMF-XX-S-SG-V0	.165" [4.20mm]	2	View
DMF-XX-S-SQT-NDH	.165" [4.20mm]	2	View
DMF-XX-S-SQT-NDH-NY46-V0	.165" [4.20mm]	2	View
DMF-XX-S-SQT-NDH-V0	.165" [4.20mm]	2	View
DMF-XX-S-SQT-NDH-V0-HT	.165" [4.20mm]	2	View
DMF-XX-S-V0	.165" [4.20mm]	2	View
DMF-XX-S-V0-BK	.165" [4.20mm]	2	View

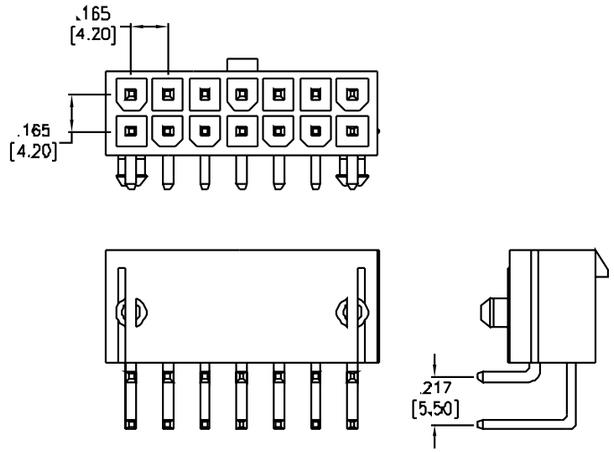
DMF DUAL ROW VERTICAL HEADER WITH PEGS



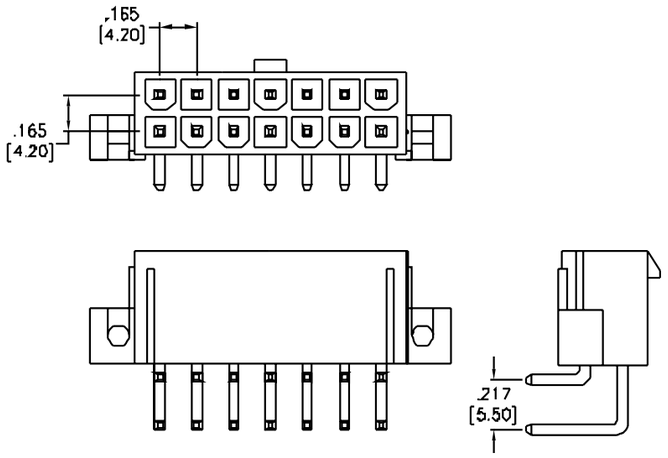
DMF DUAL ROW VERTICAL HEADER WITH PEGS



DMF DUAL R/A HEADER



DMF DUAL R/A HEADER W/FLANGE



FEATURES & SPECIFICATIONS

FEATURES:
.165” [4.2mm] pitch
Positions: 2 to 24
Single and dual row
Polarized anti-vibration design

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: 9 Amps max.
Contact Resistance: 20 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +105°C

PACKAGING:
Anti-ESD plastic bags
Crimp contacts supplied on Reels

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

WIRE RECEPTACLE HOUSING PART NUMBER CONFIGURATION

DMH - XX - S - V0 - BK

SERIES	POSITIONS	NO. OF ROWS	UL94VX RATING	OPTIONAL COLOR
DMH = *.165 [4.20mm] Pitch Crimp Housings*	*Single Row:* **02** *Thru* **06** *Dual Row:* **02** *Thru* **24**	**Blank** = *Dual row* **S** = *Single row*	**Blank** = *UL94V2* **V0** = *UL94V0*	**Blank** = *Natural* **BK** = *Black*

WIRE FEMALE CRIMP PART NUMBER CONFIGURATION

DMH- A2 - C - F - T - R

SERIES	WIRE SIZE	CRIMP CONTACT	CONTACT GENDER	PLATING	PACKAGING
DMH = *.165 [4.20mm] Pitch Crimp Contacts*	**A2** = *22 ~ 28 Awg* **B2** = *18 ~ 24 Awg* **C2** = *16 Awg*	**C** = *Crimp contact*	**F** = *Female*	**T** = *Tin* **MT** = *Matte Tin* **G** = *Gold*	**R** = *Reel*

WIRE PLUG HOUSING PART NUMBER CONFIGURATION

DMF- XX - W - S - NE - V0 - BK

SERIES	POSITIONS	TYPE	NO. OF ROWS	PANEL MOUNT	UL94VX RATING	OPTIONAL COLOR
DMF = *.165 [4.20mm] Pitch Crimp Housings*	*Single Row:* **02** *Thru* **12** *Dual Row:* **02** *Thru* **24**	**W**	**Blank** = *Dual row* **S** = *Single row*	**Blank** = *W/Ears* **NE** = *No Ears*	**Blank** = *V2* **V0** = *V0*	**Blank** = *Natural* **BK** = *Black*

WIRE MALE CRIMP PART NUMBER CONFIGURATION

DMF- X - C - M - G - R

SERIES	WIRE SIZE	CRIMP CONTACT	CONTACT GENDER	PLATING	PACKAGING
DMF = *.165 [4.20mm] Pitch Crimp Contacts*	**A2** = *22 ~ 28 Awg* **B2** = *18 ~ 24 Awg* **C2** = *16 Awg*	**C** = *Crimp contact*	**M** = *Male*	**T** = *Tin* **MT** = *Matte Tin* **G** = *Gold*	**R** = *Reel*

DMH WIRE RECEPTACLE HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMH-XX	.165" [4.20mm]	2	View
DMH-XX-BK	.165" [4.20mm]	2	View
DMH-XX-V0	.165" [4.20mm]	2	View
DMH-XX-V0-BK	.165" [4.20mm]	2	View
DMH-XX-S	.165" [4.20mm]	1	View
DMH-XX-S-V0	.165" [4.20mm]	1	View

DMH FEMALE CRIMP

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMH-X2-C-F-T-R	.165" [4.20mm]	Tin	View
DMH-X2-C-F-G-R	.165" [4.20mm]	Gold	View
DMH-X2-C-F-MT-R	.165" [4.20mm]	Matte Tin	View

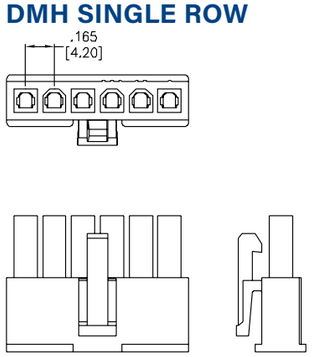
DMF WIRE PLUG HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMF-XX-W-S	.165" [4.20mm]	1	View
DMF-XX-W-S-V0	.165" [4.20mm]	1	View
DMF-XX-W-S-NE	.165" [4.20mm]	1	View
DMF-XX-W-S-NE-V0	.165" [4.20mm]	1	
DMF-XX-W	.165" [4.20mm]	2	View
DMF-XX-W-V0	.165" [4.20mm]	2	View
DMF-XX-W-NE	.165" [4.20mm]	2	View
DMF-XX-W-NE-V0	.165" [4.20mm]	2	View

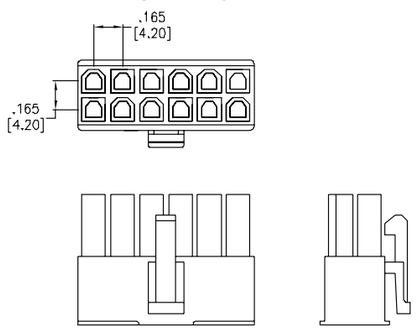
DMF MALE CRIMP

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMF-X-C-M-R	.165" [4.20mm]	Tin	View
DMF-X-C-M-G-R	.165" [4.20mm]	Gold	View
DMF-X-C-M-MT-R	.165" [4.20mm]	Matte Tin	View

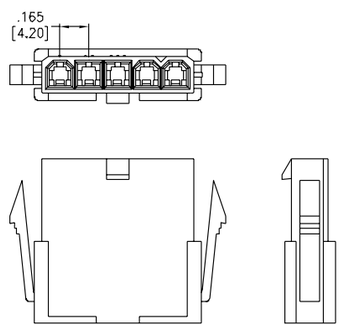
DMH SINGLE ROW



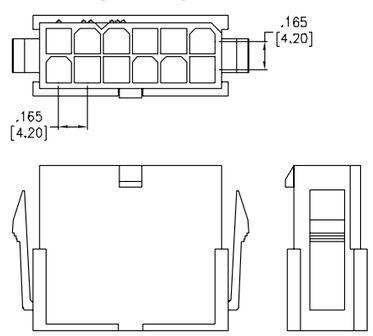
DMH DUAL ROW



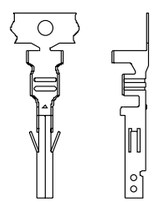
DMF SINGLE ROW



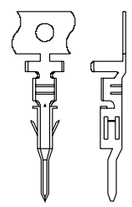
DMF DUAL ROW



DMH FEMALE CRIMP



DMF MALE CRIMP



FEATURES & SPECIFICATIONS

FEATURES:
.165” [4.2mm] pitch
Positions: 2 to 24
Dual row
Polarized anti-vibration design

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated, (Gold Optional)

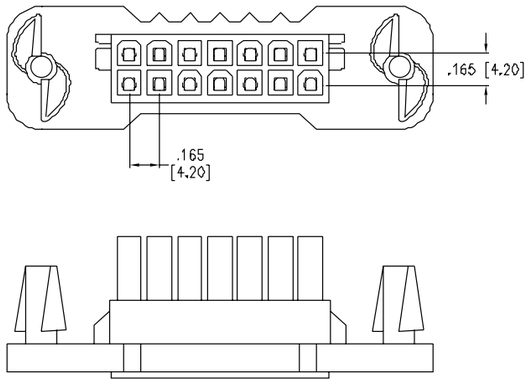
Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: Awg dependent
Contact Resistance: 20 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +105°C

PACKAGING:
Anti-ESD plastic bags

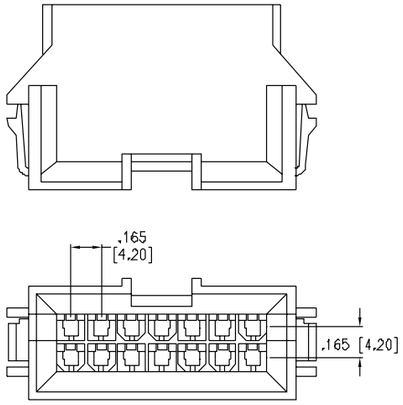
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

DMY WIRE RECEPTACLE HOUSING



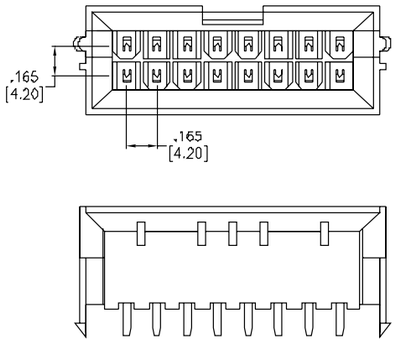
Use with DMH Female Crimps

DMF WIRE PLUG HOUSING

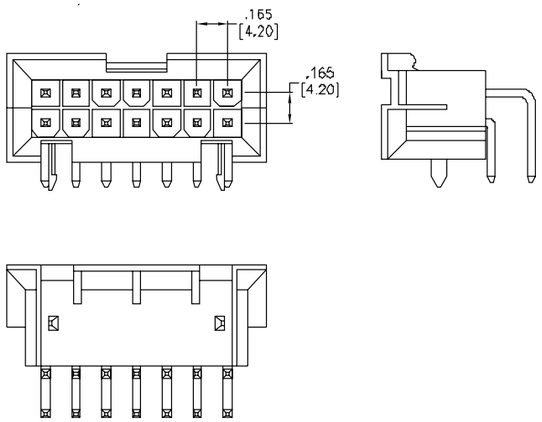


Use with DMF Male Crimps

DMX VERTICAL HEADER



DMX R/A HEADER



WIRE RECEPTACLE HOUSING PART NUMBER CONFIGURATION

DMY -	B -	XX -	V0
SERIES	TYPE	POSITIONS	UL94VX RATING
DMy = *.165 [4.20mm] Pitch Blind Mate Wire Receptacle Housing*	**B** = *Type B*	**02** *Thru* **24**	**V0** = *UL94V0*

WIRE PLUG HOUSING PART NUMBER CONFIGURATION

DMF -	XX -	WB -	PM -	V0
SERIES	POSITIONS	TYPE	PANEL MOUNT	UL94VX RATING
DMY = *.165 [4.20mm] Pitch Blind Mate Wire Plug Housing*	**02** *Thru* **24**	**WB** = *Type*	**PM** = *Panel Mount*	**V0** = *UL94V0*

PCB HEADERS PART NUMBER CONFIGURATION

DMX -	XX -	RA -	P -	G -	A -	V0
SERIES	POSITIONS	MOUNTING TYPE		PLATING		UL94VX RATING
DMF = *.165 [4.20mm] Blind Mate PCB Header*	**02** *Thru* **24**	**A** = *Vertical Mount* **RA** = *Right Angle*	**Blank** = *No Peg* **P** = *W/ Peg*	**Blank** = *Tin* **G** = *Gold*	**Blank** = *Vertical* **A** = *Right Angle*	**V0** = *UL94V0*

DMY WIRE RECEPTACLE HOUSING

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMY-B-XX-V0	.165" [4.20mm]	2	View

DMF WIRE PLUG HOUSING

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMF-XX-WB-PM	.165" [4.20mm]	2	View
DMF-XX-WB-PM-V0	.165" [4.20mm]	2	View

DMX HEADERS

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
DMX-XX-A-V0	.165" [4.20mm]	2	Vertical	Through Hole	Tin	Bag	View
DMX-XX-RA-P-A-V0	.165" [4.20mm]	2	Right Angle	Through Hole	Tin	Bag	View
DMX-XX-RA-P-G-V0	.165" [4.20mm]	2	Right Angle	Through Hole	Gold	Bag	View
DMX-XX-RA-P-MT-V0	.165" [4.20mm]	2	Right Angle	Through Hole	Matte Tin	Bag	View

FEATURES & SPECIFICATIONS

FEATURES:
.250” [6.35mm] pitch
Positions: 2 to 15
Single and matrix row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: 11~13 Amps max. (wire dependent)
Contact Resistance: 10 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 5000V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: Varies by connector style

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PCB HEADER PART NUMBER CONFIGURATION

DME	- F	- XX	- S	- S	- P	- SQ
SERIES	**TYPE**	**POSITIONS**	**MOUNTING ANGLE**	**ROW OPTION**	**LOCKING OPTION**	**ROW ASSIGNMENT**
DME = *.250 [6.35mm] Pitch Connector PCB Housings*	**Blank** = *Male Pin* **F**= *Female Pin*	**02 ~ 15**	**S & S2** = *Straight*	**S** = *Single Row*	**Blank** = *non* **P** = *W/ Polarizing* **E** = *W/ Ears*	**SQ**= *Matrix Row*

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
DME-F-XX-RA-E-V0	.250" [6.35mm]	1	Right Angle	Through Hole	Tin	Bag	View
DME-F-XX-S-P-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S-P-S-NDH-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S-P-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S-P-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S-P-SQ-G-V0	.250" [6.35mm]	3	Vertical	Through Hole	Gold	Bag	View
DME-F-XX-S-P-SQ-SG-V0	.250" [6.35mm]	3	Vertical	Through Hole	Selective Gold	Bag	View
DME-F-XX-S-P-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S-S-G-V0	.250" [6.35mm]	1	Vertical	Through Hole	Gold	Bag	View
DME-F-XX-S-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S-SQ-G-V0	.250" [6.35mm]	3	Vertical	Through Hole	Gold	Bag	View
DME-F-XX-S-SQ-G-V0-50	.250" [6.35mm]	3	Vertical	Through Hole	Gold	Bag	View
DME-F-XX-S-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S2-P-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S2-P-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S2-P-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S2-P-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S2-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S2-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S2-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-F-XX-S2-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-P-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-P-S-G-V0	.250" [6.35mm]	1	Vertical	Through Hole	Gold	Bag	View
DME-XX-S-P-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-P-SQ-BK	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-P-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-S-HT-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-S-NDH-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-SQ-NDH-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-XX-S-SQ-V0-G	.250" [6.35mm]	3	Vertical	Through Hole	Gold	Bag	View
DME-XX-S-SQ-V0-SG	.250" [6.35mm]	3	Vertical	Through Hole	Selective Gold	Bag	View
DME-XX-S2-P-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-XX-S2-P-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-XX-S2-P-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-XX-S2-P-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-XX-S2-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-XX-S2-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	View
DME-XX-S2-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View
DME-XX-S2-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	View

FEATURES & SPECIFICATIONS

FEATURES:
.250” [6.35mm] pitch
Positions: 2 to 15
Single and matrix row
Secure latching
Polarized anti-vibration design
Molded pegs

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural or black
Contacts: Brass, tin plated

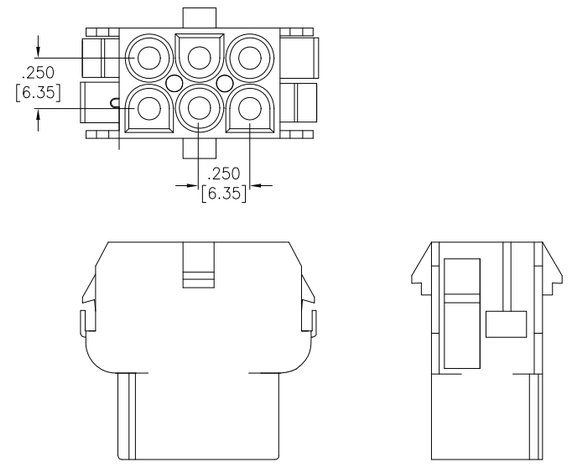
Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: 11~13 Amps max. (wire dependent)
Contact Resistance: 10 mohms max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 5000V AC/DC for 1 minute

Temperature Rating:
Operating temperature range: Varies by connector style

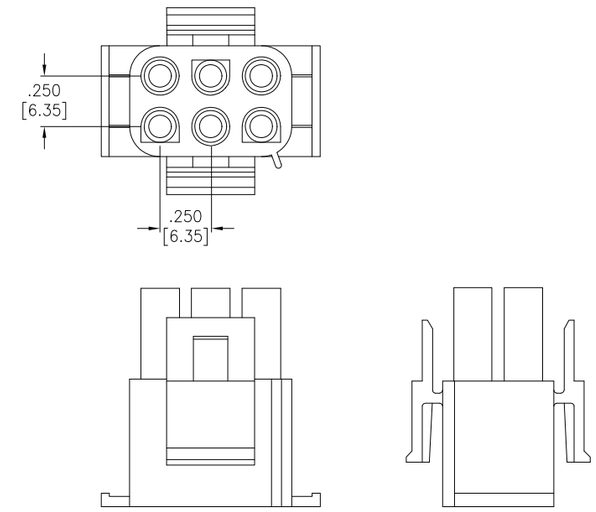
PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

DME-F SQUARE



DME-M SQUARE



WIRE HOUSING PART NUMBER CONFIGURATION

DME - M - XX - SQ - V0

SERIES	HOUSING TYPE	POSITIONS	ROW ASSIGNMENT	UL94VX RATING
DME = *.250 [6.35mm] Pitch Connector PCB Housings*	**M** = *Male Housing* **M2** = *Male Housing* **F**= *Female Housing* **F2**= *Female Housing*	**02** *Thru* **15**	**Blank** = *Single Row* **SQ**= *Matrix Row*	**Blank** = *V2* **V0** = *V0*

HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DME-F-01	View.250" [6.35mm]	1	View
DME-F-02	View.250" [6.35mm]	1	View
DME-F-02-V0	.250" [6.35mm]	1	View
DME-F-03	View.250" [6.35mm]	1	View
DME-F-03-V0	.250" [6.35mm]	1	View
DME-F-04	.250" [6.35mm]	1	View
DME-F-04-V0	.250" [6.35mm]	1	View
DME-F-05	.250" [6.35mm]	1	View
DME-F2-XX	.250" [6.35mm]	1	View
DME-F2-XX-SQ	.250" [6.35mm]	3	View
DME-F2-XX-SQ-V0	.250" [6.35mm]	3	View
DME-F2-XX-V0	.250" [6.35mm]	1	View

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DME-M-03	View.250" [6.35mm]	1	View
DME-M-04	.250" [6.35mm]	1	View
DME-M-05	.250" [6.35mm]	1	View
DME-M-06	.250" [6.35mm]	1	View
DME-M-06-SQ	.250" [6.35mm]	3	View
DME-M-08	.250" [6.35mm]	1	View
DME-M-09-SQ	.250" [6.35mm]	3	View
DME-M2-XX	.250" [6.35mm]	1	View
DME-M2-XX-SQ	.250" [6.35mm]	3	View
DME-M2-XX-SQ-V0	.250" [6.35mm]	3	View
DME-M2-XX-V0	.250" [6.35mm]	1	View

CRIMP CONTACT PART NUMBER CONFIGURATION

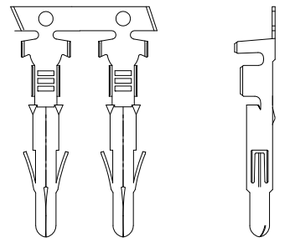
DME - B - C - M

SERIES	WIRE RANGE # AWG	CRIMP CONTACT	CONTACT GENDER
DME = *.250 [6.35mm] Pitch Connector PCB Housings*	**A** = *#18~ #22* **B** = *#16~ #20* **C** = *#14~ #12*	**C** = *Crimp contact*	**M** = *Male* **F**= *Female*

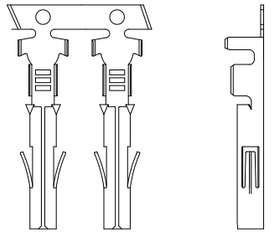
CRIMP CONTACTS

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DME-B1-C-F-R	.250" [6.35mm]	Tin	View
DME-B1-C-M-R	.250" [6.35mm]	Tin	View
DME-C-F	.250" [6.35mm]	Tin	View
DME-C-M-2	.250" [6.35mm]	Tin	View
DME-X-C-F-R	.250" [6.35mm]	Tin	View
DME-X-C-M-R	.250" [6.35mm]	Tin	View
DME-X2-C-F-R	.250" [6.35mm]	Tin	View
DME-X2-C-M-R	.250" [6.35mm]	Tin	View

DME MALE CRIMP

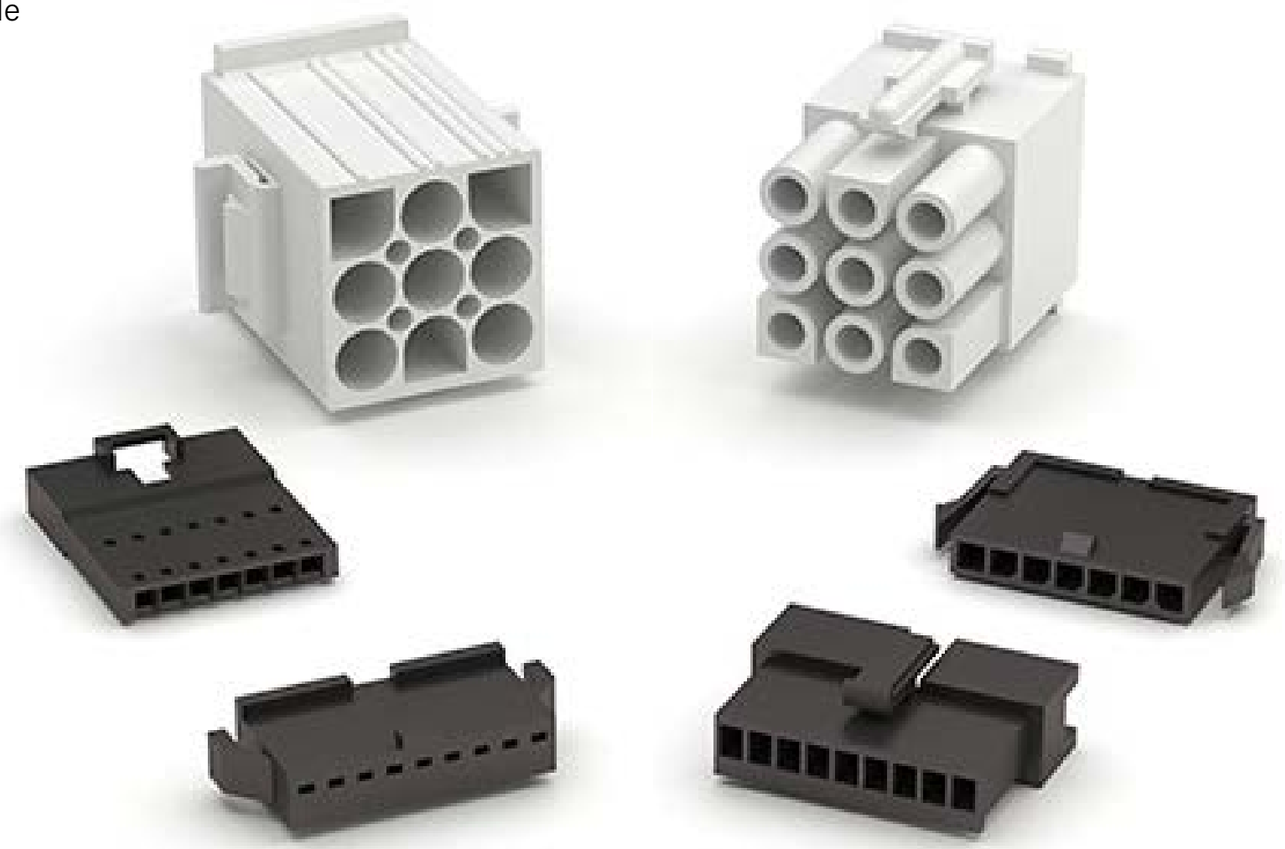


DME FEMALE CRIMP



Wire to Wire Power Connectors and Systems

Adam Tech Wire to Wire Power connectors are sets of wire mounted plugs and receptacles with crimp contacts. These sets mate with locking clips or latches for a secure fit. They are suited for a range of wire types and gauges and provide a reliable easymate connection. Available Centerlines are .098", .118", .145", .177", .198", .250" and .264" for nearly any application. UL94V-2 or UL04V-0 plastics are used to satisfy flammability requirements.



FEATURES & SPECIFICATIONS

FEATURES:
Wire mounted connectors with crimp contacts
Pitches ranging from .098" to .264"
Available in multiple positions
Locking clips and latches
Compatible with wide range or wire types and gauges

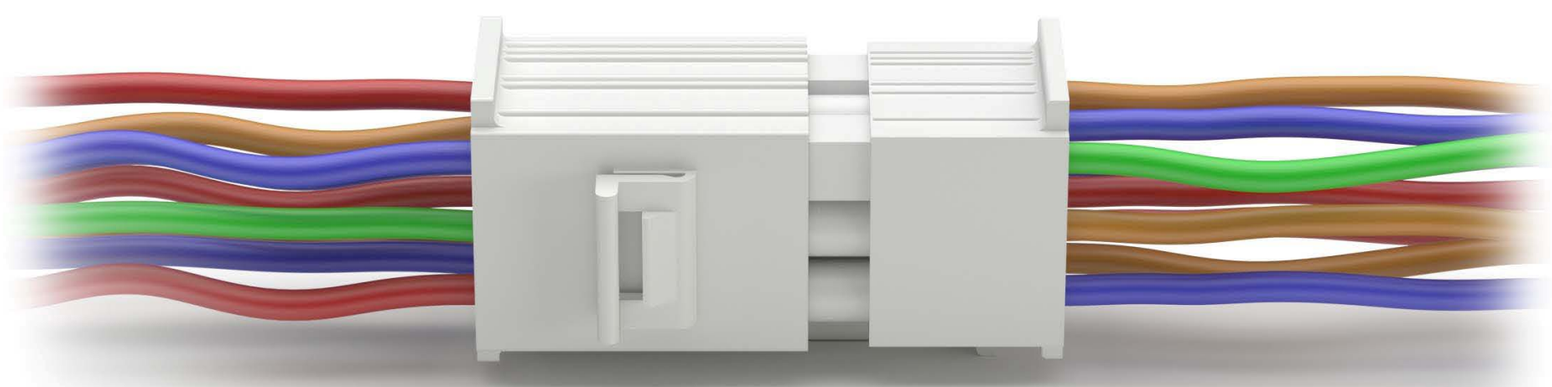
SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural, black, or white
Contacts: Brass, tin plated

Electrical:
Operating voltage: 250V - 600V AC / DC max.
Current Rating: 3 - 12 Amps max.
Contact Resistance: 20 mΩ max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V - 5000V AC/DC for 1 minute

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053



FEATURES & SPECIFICATIONS

FEATURES:
Wire mounted connectors with crimp contacts
.098” [2.50mm] pitch
Positions: 2 to 18
Single and dual row
Locking clips and latches
Compatible with wide range or wire types and gauges

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural, black, or white
Contacts: Brass, tin plated

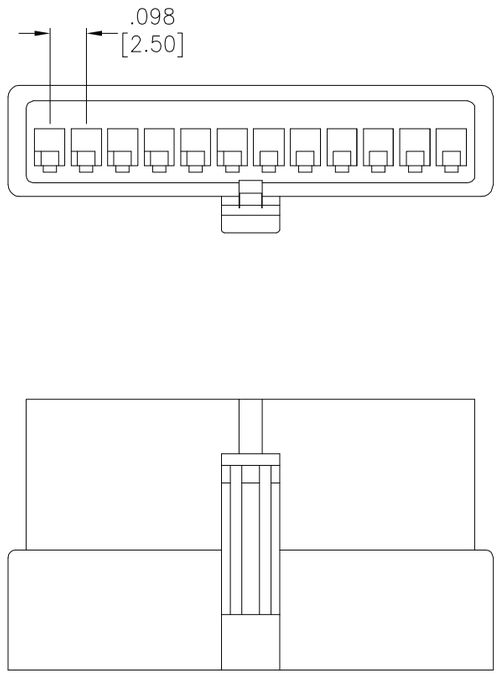
Electrical:
Operating voltage: 250V AC / DC max.
Current Rating: 3 Amps max.
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Temperature Rating:
Operating temperature range: -25°C to +85°C

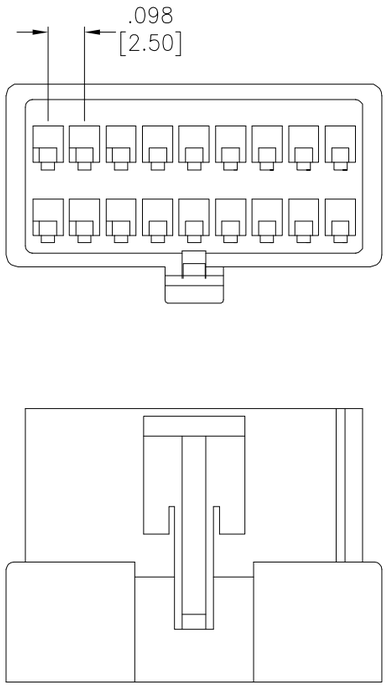
PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

02 TO 12 POSITION SINGLE ROW



16 TO 18 POSITION DUAL ROW



MALE HOUSING PART NUMBER CONFIGURATION

DMQ	-	6
SERIES		POSITIONS
DMQ = *.098 [2.50] Male Housing*		**02** *Thru* **18**

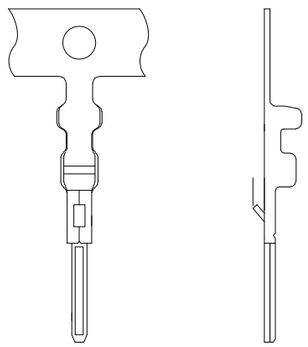
CRIMP CONTACT PART NUMBER CONFIGURATION

DMQ-A	-	C	-	R
SERIES		CRIMP CONTACT		PACKAGING
DMQ-A: *22~28AWG*		**C** = *Crimp contact*		**R** = *Reel*

HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMQ-XX	.098" [2.50mm]	Receptacle	View
DMQ-XX-WT	.098" [2.50mm]	Receptacle	View

DMQ CRIMP CONTACT



CRIMP TERMINAL

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
DMQ-A-C-R	.098" [2.50mm]	Male	Tin	View

FEATURES & SPECIFICATIONS

FEATURES:

Wire mounted connectors with crimp contacts
.098” [2.50mm] pitch
Positions: 2 to 18
Single and dual row
Locking clips and latches
Compatible with wide range or wire types and gauges

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural, black, or white
Contacts: Brass, tin plated

Electrical:

Operating voltage: 250V AC / DC max.
Current Rating: 3 Amps max.
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Temperature Rating:

Operating temperature range: -25°C to +85°C

PACKAGING:

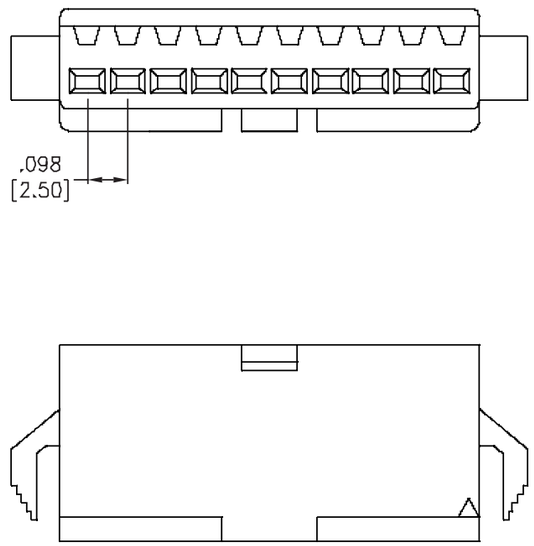
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

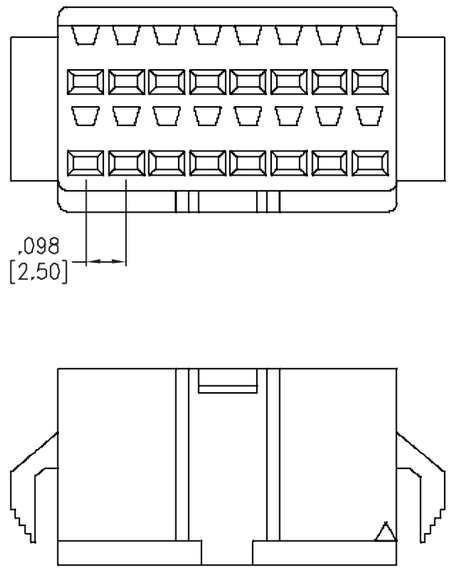
DMP SINGLE ROW

02 TO 12 POSITION



DMP DUAL ROW

16 TO 18 POSITION



FEMALE HOUSING PART NUMBER CONFIGURATION

DMP	-	6
SERIES		POSITIONS
DMP = *.098 [2.50] Female Housing*		**02** *Thru* **18**

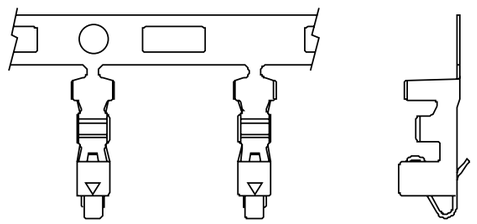
HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMP-XX	.098" [2.50mm]	Receptacle	View
DMP-XX-WT	.098" [2.50mm]	Receptacle	View

CRIMP CONTACT PART NUMBER CONFIGURATION

DMP-A	-	C	-	R
SERIES		CRIMP CONTACT		PACKAGING
DMP-A: *22~28 AWG*		**C** = *Crimp contact*		**R** = *Reel*

DMP CRIMP CONTACT



CRIMP TERMINAL

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
DMP-A-C-R	.098" [2.50mm]	Male	Tin	View

FEATURES & SPECIFICATIONS

FEATURES:
Wire mounted connectors with crimp contacts
.118” [3.0mm] pitch
Positions: 2 to 24
Single and dual row
Locking clips and latches
Compatible with wide range or wire types and gauges

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural, black, or white
Contacts: Brass, tin plated

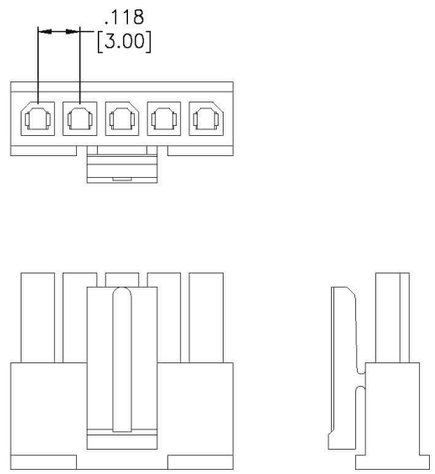
Electrical:
Operating voltage: 250V AC / DC max.
Current Rating: 1~5 Amps max. (AWG dependent)
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Temperature Rating:
Operating temperature range: -25°C to +85°C

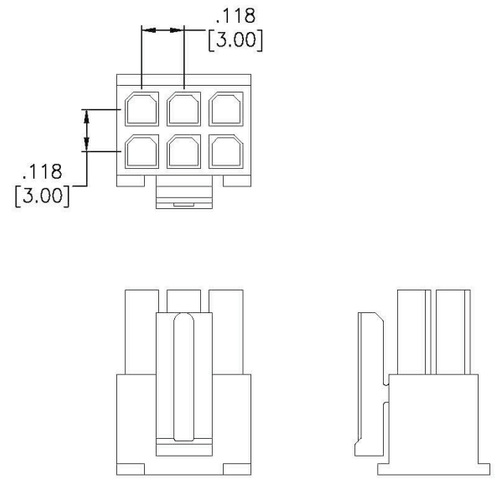
PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

DMT SINGLE ROW



DMT DUAL ROW



MALE HOUSING PART NUMBER CONFIGURATION

DMT	-	2	-	12	-	P	-	PCB	-	SG
SERIES		HOUSING TYPE		POSITIONS		PCB MOUNTING OPTIONS		MOUNTING TYPE		PLATING OPTIONS
DMT = *.118" [3.00mm] Wire Crimp Housing, Male*		**1** = *Single row* **2** = *Dual row*		*Single row:* **02** ~**12** *Dual row:* **02** ~ **24**		**P** = *Peg PCB Mount*		**PCB** = *PCB solder Type*		**Blank** = *Tin* **SG** = *Selective Gold*

HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMT-1-XX	.118" [3.00mm]	1	View
DMT-2-XX	.118" [3.00mm]	2	View

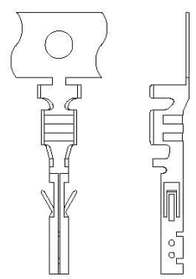
CRIMP CONTACT PART NUMBER CONFIGURATION

DMT	-	A	-	C	-	F	-	T	-	R
SERIES		WIRE SIZE		CRIMP CONTACT		CONTACT GENDER		PLATING		PACKAGING OPTIONS
DMT = *.118 [3.00mm] Pitch Crimp Contacts*		**A** = *26 ~ 30 AWG* **B** = *20 ~ 24 AWG*		**C** = *Crimp contact*		**F**= *Female*		**T** = *Tin*		**R** = *Reel*

CRIMP TERMINALS

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMT-A5-C-F-T-R	.118" [3.00mm]	Tin	View
DMT-B5-C-F-T-R	.118" [3.00mm]	Tin	View
DMT-C-F-G-1	.118" [3.00mm]	Gold	View
DMT-C-F-T-1	.118" [3.00mm]	Tin	View
DMT-X-C-F-T-R	.118" [3.00mm]	Tin	View
DMT-X1-C-F-T-R	.118" [3.00mm]	Tin	View
DMT-X2-C-F-T-R	.118" [3.00mm]	Tin	View
DMT-X5-C-F-T-R	.118" [3.00mm]	Tin	View

DMT FEMALE CRIMP CONTACT



Wire to Wire Power Connectors and Systems

.118” [3.0MM] FEMALE WIRE HOUSING & CRIMP TERMINAL

FEATURES & SPECIFICATIONS

FEATURES:

Wire mounted connectors with crimp contacts
.118” [3.0mm] pitch
Positions: 2 to 24
Single and dual row
Locking clips and latches
Compatible with wide range or wire types and gauges

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural, black, or white
Contacts: Brass, tin plated

Electrical:

Operating voltage: 250V AC / DC max.
Current Rating: 1~5 Amps max. (AWG dependent)
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Temperature Rating:

Operating temperature range: -25°C to +85°C

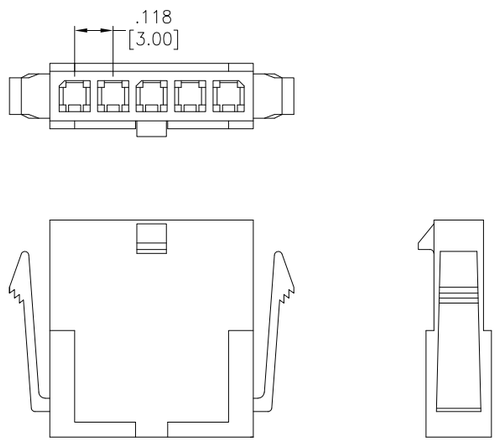
PACKAGING:

Anti-ESD plastic bags

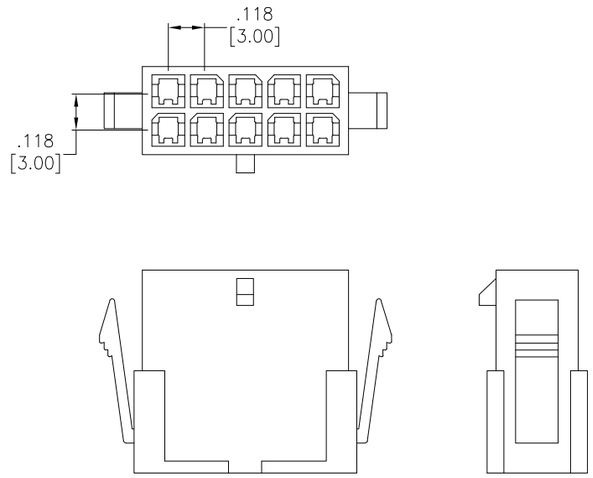
APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

DMU SINGLE ROW



DMU DUAL ROW



FEMALE HOUSING PART NUMBER CONFIGURATION

DMU	-	2A	-	12	-	T	-	NPM
SERIES		HOUSING TYPE		POSITIONS				EAR OPTION
DMU = *.118" [3.00mm] Wire Crimp Housing, Female*		**1A** = *Single row* **2A** = *Dual row*		*Single row:* **02 ~12** *Dual row:* **02 ~ 24**				**Blank** = *W/ Mounting Ears* **NPM** = *No Mounting Ears*

HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMU-1-02-T	.118" [3.00mm]	Receptacle	View
DMU-1-XX-NPM	.118" [3.00mm]	Receptacle	View
DMU-1-XX-T	.118" [3.00mm]	Receptacle	View
DMU-1A-XX-NPM	.118" [3.00mm]	Receptacle	View
DMU-1A-XX-T	.118" [3.00mm]	Receptacle	View
DMU-1D-XX-T	.118" [3.00mm]	Receptacle	View
DMU-2-08-NPM	.118" [3.00mm]	Receptacle	View
DMU-2-XX-NPM	.118" [3.00mm]	Receptacle	View
DMU-2-XX-T	.118" [3.00mm]	Receptacle	View
DMU-2A-XX-NPM	.118" [3.00mm]	Receptacle	View
DMU-2A-XX-T	.118" [3.00mm]	Receptacle	View
DMU-A-2-XX-T	.118" [3.00mm]	Receptacle	View

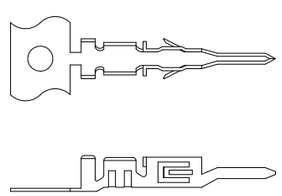
CRIMP CONTACT PART NUMBER CONFIGURATION

DMU	-	A	-	C-	M	-	T	-	R
SERIES		WIRE SIZE		CRIMP CONTACT	CONTACT GENDER		PLATING		PACKAGING OPTIONS
DMU = *.118 [3.00mm] Pitch Crimp Contacts*		**A** = *26 ~ 30 AWG* **B** = *20 ~ 24 AWG*		**C** = *Crimp contact*	**M** = *Male*		**T** = *Tin*		**R** = *Reel*

CRIMP TERMINALS

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
DMU-A-C-M-T-R	.118" [3.00mm]	Male	Tin	View
DMU-B-C-M-T-R	.118" [3.00mm]	Male	Tin	View
DMU-C-M-T-1	.118" [3.00mm]	Male	Tin	View
DMU-C-M-T-2	.118" [3.00mm]	Male	Tin	View
DMU-X-C-M-T-R	.118" [3.00mm]	Male	Tin	View
DMU-X1-C-M-T-R	.118" [3.00mm]	Male	Tin	View

DMU CRIMP CONTACT



FEATURES & SPECIFICATIONS

FEATURES:

Wire mounted connectors with crimp contacts
.163” [4.14mm] pitch
Positions: 1 to 24
Single, dual, and matrix row
Locking clips and latches
Compatible with wide range or wire types and gauges

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural, black, or white
Contacts: Brass, tin plated

Electrical:

Operating voltage: 300V AC / DC max.
Current Rating: 5 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Temperature Rating:

Operating temperature range: -25°C to +85°C

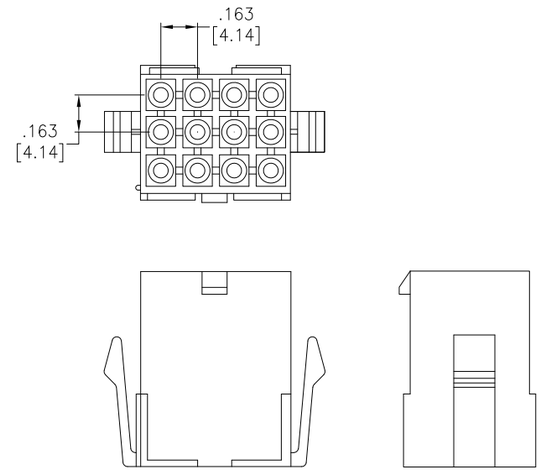
PACKAGING:

Anti-ESD plastic bags

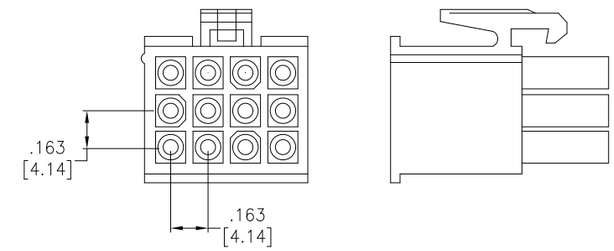
APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

DMW FEMALE HOUSING



DMW MALE HOUSING



HOUSING PART NUMBER CONFIGURATION

DMW	-	F	-	15	-	DR	-	E	-	V0
SERIES		HOUSING TYPE		POSITIONS		ROW ASSIGNMENT		OPTIONS:		UL94VX RATING
DMW = *.163" [4.14mm] WIRE TO WIRE SYSTEM*		**Blank** = *Male* **F** = *Female*		**Blank** *02 Thru 24* **DR** *series 02 Thru 24* **SQ** *series 09, 12, 15*		**Blank** = *Single Row* **DR** = *Dual Row* **SQ**= *Matrix Row*		*Add designator(s) to end of part number* **E** = *Mounting Ear (Female option)*		**Blank** = *V2* **V0** = *V0*

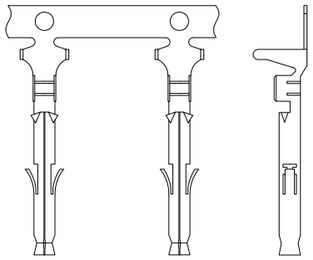
HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMW-F-02-E	.163" [4.14mm]	Receptacle	View
DMW-F-XX-DR	.163" [4.14mm]	Receptacle	View
DMW-F-XX-DR-V0	.163" [4.14mm]	Receptacle	View
DMW-F-XX-E-DR	.163" [4.14mm]	Receptacle	View
DMW-XX	.163" [4.14mm]	Plug	View
DMW-XX-DR	.163" [4.14mm]	Plug	View
DMW-XX-V0	.163" [4.14mm]	Plug	View

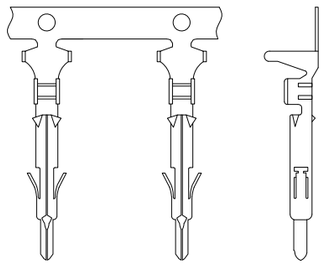
CRIMP CONTACT PART NUMBER CONFIGURATION

DMW	-	B	-	C	-	M	-	R
SERIES		WIRE RANGE # AWG		CRIMP CONTACT		CONTACT GENDER		PACKING
DMW = *.163" [4.14mm] WIRE TO WIRE SYSTEM*		**A** = *#18~ #24* **B** = *#22~ #26*		**C** = *Crimp contact*		**M** = *Male* **F**= *Female*		**R** = *Reel*

DMW FEMALE CRIMP



DMW MALE CRIMP



CRIMP TERMINALS

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
DMW-C-F-R	.163" [4.14mm]	Female	Tin	View
DMW-X-C-F-R	.163" [4.14mm]	Female	Tin	View

FEATURES & SPECIFICATIONS

FEATURES:
Wire mounted connectors with crimp contacts
.177” [4.5mm] pitch
Available in multiple positions
Locking clips and latches
Compatible with wide range or wire types and gauges

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural, black, or white
Contacts: Brass, tin plated

Electrical:
Operating voltage: 300V AC / DC max.
Current Rating: 5~10 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Temperature Rating:
Operating temperature range: -25°C to +85°C

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

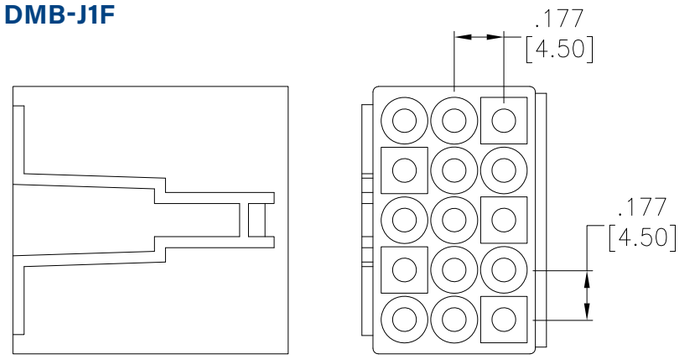
WIRE HOUSING PART NUMBER CONFIGURATION

DMB	-	JM	-	XX	-	V	-	E
SERIES		HOUSING TYPE		POSITIONS		MOUNT TYPE		EAR OPTION
DMB = *.177 [4.5mm] Pitch Connector Latch Housings*		**J1M** = *Male Housing* **J1F** = *Female Housing*		*Positions*		**V** = *Vertical (Straight)*		**Blank** = *W/o Ears* **E** = *W Ears (only for female)*

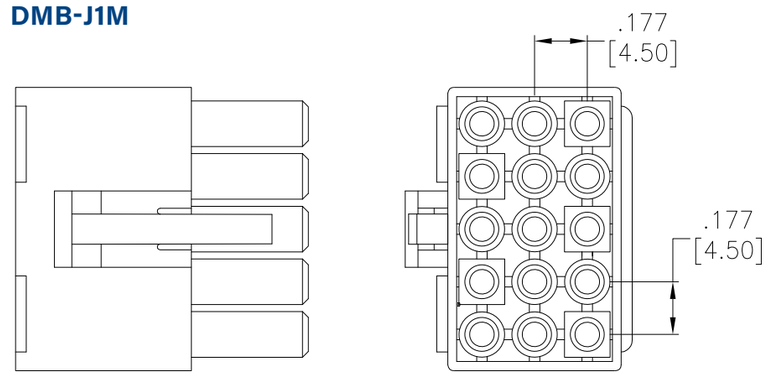
CRIMP CONTACT PART NUMBER CONFIGURATION

DMB	-	JC	-	F	-	1	-	R
SERIES		J TYPE CONTACT		CONTACT TYPE		WIRE RANGE # AWG		PACKAGING
Connector Housings		**JC** = *J Type*		**M** = *Male* **F**= *Female*		**1** = *#16 ~ #20*		**R** = *Reel*

DMB-J1F



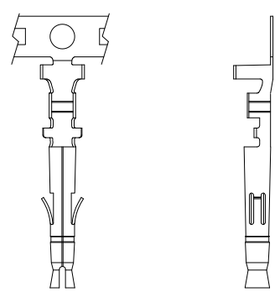
DMB-J1M



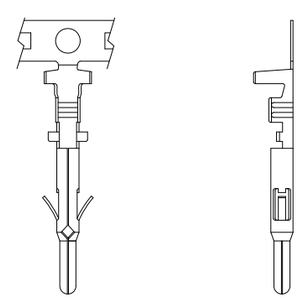
HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMB-J1F-XX-V	.177" [4.50mm]	Receptacle	View
DMB-J1F-XX-V-E	.177" [4.50mm]	Receptacle	View
DMB-J1M-XX-V	.177" [4.50mm]	Plug	View

DMB FEMALE CRIMP



DMB MALE CRIMP



CRIMP CONTACTS

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
DMB-J1F-F-R	.177" [4.50mm]	Female	Tin	View
DMB-J1F-M-R	.177" [4.50mm]	Male	Tin	View

Wire to Wire Power Connectors and Systems

.198” [5.03MM] MALE & FEMALE WIRE HOUSING

FEATURES & SPECIFICATIONS

FEATURES:

Wire mounted connectors with crimp contacts
.198” [5.03mm] pitch
Positions: 1 to 15
Single and matrix row
Locking clips and latches
Compatible with wide range or wire types and gauges

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural, black, or white
Contacts: Brass, tin plated

Electrical:

Operating voltage: 250V AC / DC max.
Current Rating: 5~10 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Temperature Rating:

Operating temperature range: -40°C to +105°C

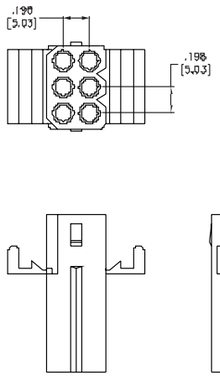
PACKAGING:

Anti-ESD plastic bags

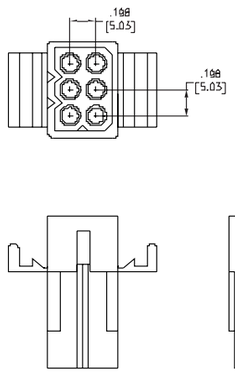
APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

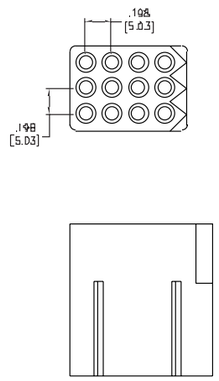
DMB-AM



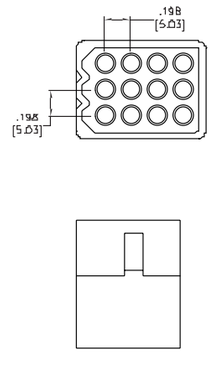
DMB-AF



DMB-AM SQUARE



DMB-AF SQUARE



WIRE HOUSING PART NUMBER CONFIGURATION

DMB	-	AM	-	06	-	V	-	E	-	WC	-	VO
SERIES		HOUSING TYPE		POSITIONS		MOUNT TYPE		EAR OPTION		CONVEX OPTION		UL94VX RATING
DMB = *.198 [5.03] Pitch .093" (2.36mm) Connector Housings*		**AM** = *Male* **AF**= *Female*		**01**~**06**, **09**, **12**, **15** *Positions*		**V** = *Vertical (Straight) (01, 02, 03, 04 & 05 positions are available only)* **SQ** = *square (04, 06, 09, 12 & 15 positions are available only)*		**Blank** = *W/o Ears* **E** = *W Ears (01 position is unavailable)*		**Blank** = *w/o convex* **WC** = *W/ convex (Square: 12 & 15 positions are unavailable only)*		**Blank** = *V2* **V0** = *V0*

HOUSINGS

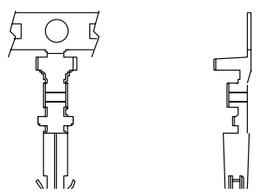
PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMB-AF-01-V	.248" [6.30mm]	Receptacle	View
DMB-AF-02-V	.248" [6.30mm]	Receptacle	View
DMB-AF-03-V	.198" [5.03mm]	Receptacle	View
DMB-AF-03-V-E	.198" [5.03mm]	Receptacle	View
DMB-AF-04-SQ	.198" [5.03mm]	Receptacle	View
DMB-AF-04-SQ-E	.198" [5.03mm]	Receptacle	View
DMB-AF-04-V	.198" [5.03mm]	Receptacle	View
DMB-AF-04-V-E	.198" [5.03mm]	Receptacle	View
DMB-AF-05-V	.198" [5.03mm]	Receptacle	View
DMB-AF-05-V-E	.198" [5.03mm]	Receptacle	View
DMB-AF-06-SQ-E	.198" [5.03mm]	Receptacle	View
DMB-AF-09-SQ	.198" [5.03mm]	Receptacle	View
DMB-AF-09-SQ-E	.198" [5.03mm]	Receptacle	View

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMB-AM-02-V-WC	.198" [5.03mm]	Plug	View
DMB-AM-03-V-E-WC	.198" [5.03mm]	Plug	View
DMB-AM-03-V-WC	.198" [5.03mm]	Plug	View
DMB-AM-04-SQ-E-WC	.198" [5.03mm]	Plug	View
DMB-AM-04-SQ-WC	.198" [5.03mm]	Plug	View
DMB-AM-04-V-E-WC	.198" [5.03mm]	Plug	View
DMB-AM-04-V-WC	.198" [5.03mm]	Plug	View
DMB-AM-05-V-WC	.198" [5.03mm]	Plug	View
DMB-AM-06-SQ-E-WC	.198" [5.03mm]	Plug	View
DMB-AM-09-SQ-E-WC	.198" [5.03mm]	Plug	View
DMB-AM-09-SQ-WC	.198" [5.03mm]	Plug	View
DMB-AM-12-SQ	.198" [5.03mm]	Plug	View
DMB-AM-12-SQ-E	.198" [5.03mm]	Plug	View

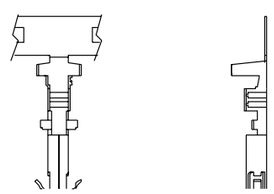
CRIMP CONTACT PART NUMBER CONFIGURATION

DMB	-	A1C	-	F	-	1	-	R
SERIES		J TYPE CONTACT		CONTACT TYPE		WIRE SIZE		PACKAGING
Connector Housings		**A1C** = *J Type*		**M** = *Male* **F**= *Female*		**1** = *14 ~ 20 AWG* **2** = *20 ~ 24 AWG*		**R** = *Reel*

DMB FEMALE CRIMP CONTACT



DMB MALE CRIMP CONTACT



CRIMP CONTACTS

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
DMB-A1C-F-X-R	.198" [5.03mm]	Female	Tin	
DMB-A1C-M-X-R	.198" [5.03mm]	Male	Tin	

FEATURES & SPECIFICATIONS

FEATURES:
Wire mounted connectors with crimp contacts
.264” [6.70mm] pitch
Positions: 1, 2, 3, 4, 6, 9, 12 & 15
Single and matrix row
Locking clips and latches
Compatible with wide range or wire types and gauges

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2 or UL94V-0
Insulator Color: Natural
Contacts: Brass, tin plated

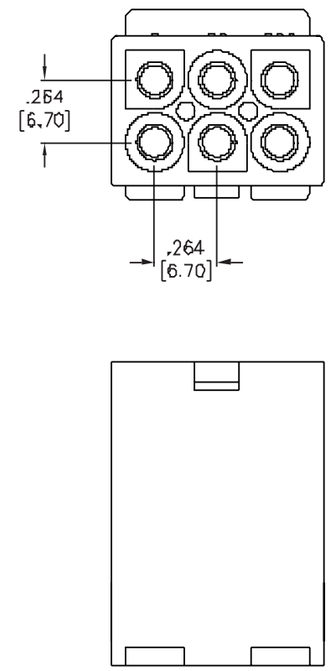
Electrical:
Operating voltage: 600V AC / DC max.
Current Rating: 17 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 5000V AC for 1 minute

Temperature Rating:
Operating temperature range: -55°C to +105°C

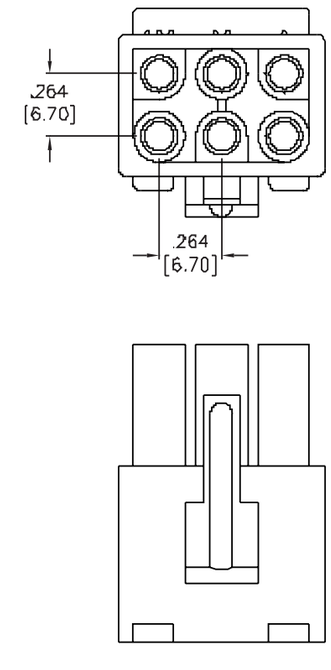
PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

DMB-BF FEMALE CRIMP HOUSING



DMB-BM MALE CRIMP HOUSING



WIRE HOUSING PART NUMBER CONFIGURATION

DMB	-	B1M	-	03	-	V	-	E
SERIES		HOUSING TYPE		POSITIONS		ORIENTATION		PANEL MOUNT
DMB = *.264 [6.70mm] Pitch Connector Housings*		**B1M** = *Male* **B1F**= *Female*		**01, 02, 03, 04, 06, 09, 12, 15**		**V** = *Straight*		**E** = *Ears (BF Housing Type only)*

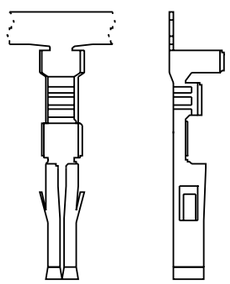
HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMB-B1F-XX-V	.264" [6.70mm]	Receptacle	View
DMB-B1F-XX-V-E	.264" [6.70mm]	Receptacle	View
DMB-B1M-XX-V	.264" [6.70mm]	Plug	View

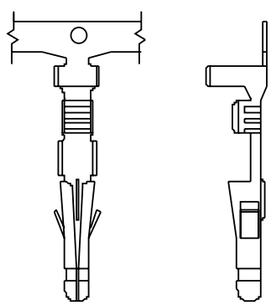
CRIMP CONTACTS PART NUMBER CONFIGURATION

DMB	-	B1C	-	F	-	1	-	R
SERIES				CONTACT GENDER		WIRE SIZE		PACKAGING
DMB = *.264 [6.70mm] Pitch Crimp Contacts*				**F**= *Female* **M** = *Male*		**1** = *18 ~ 22 AWG* **2** = *14 ~ 20 AWG*		**R** = *Reel*

DMB-B1C FEMALE CRIMP CONTACT



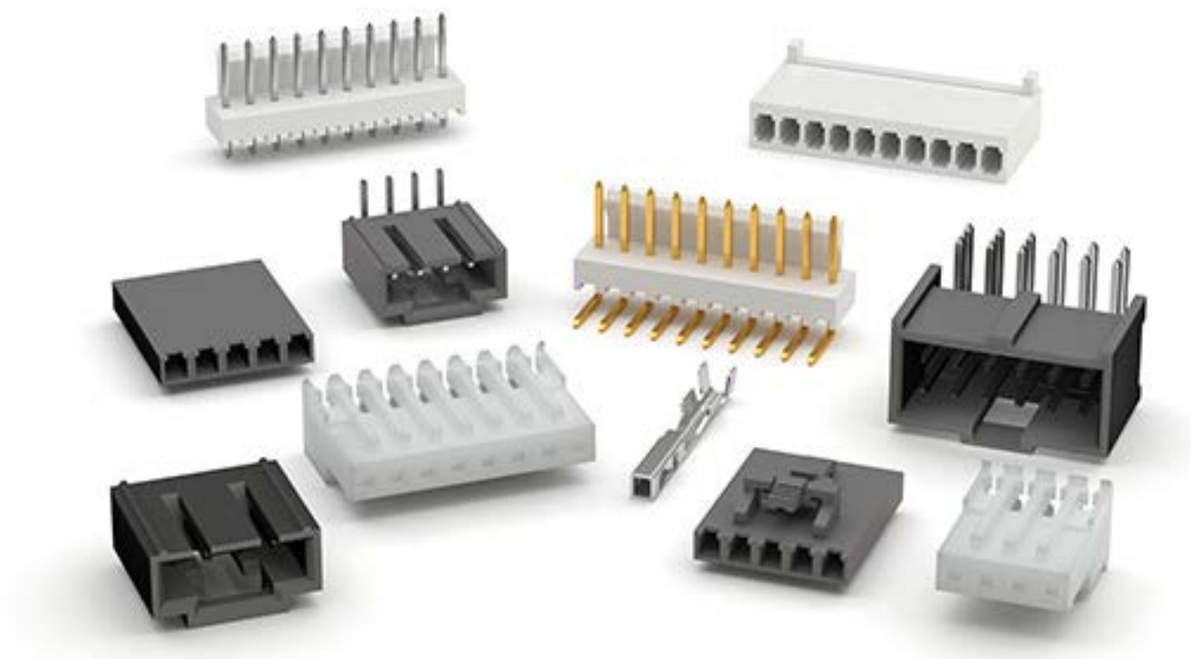
DMB-B1C MALE CRIMP CONTACT



CRIMP CONTACTS

PART NUMBER	PITCH	TERMINAL TYPE	PRODUCT DATA
DMB-B1C-F-X-R	.264" [6.70mm]	Female	View
DMB-B1C-M-X-R	.264" [6.70mm]	Male	View

Adam Tech Disconnecting Wire to Board series is a combination of various wire housings, board headers, and crimp terminals. The styles include Latching Types with .098", .100", .156" and .200" centerline, IDC termination styles with .100" & .156" centerlines, and locking designs with friction ramps for secure fits.



FEATURES & SPECIFICATIONS

FEATURES:
Matched latching header & housing sets
Precision .025" sq. posts
Available in multiple positions
Polarized anti-vibration design
Secure friction lock
Straight, Right Angle mounting headers
Choice of two latching types
Housings feature high pressure, low insertion force contacts

MATING CONNECTORS:
All industry standard .100 and .156 centerline compatible latching headers and housings

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-0 or UL94V-2
Insulator Color: Black, white, or natural
Contacts: Phosphor bronze and brass

Contact Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating range: 3 to 5 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage range: 500V to 1000V AC for 1 minute

Mechanical:
Recommended wire size range: 18 to 28 AWG
O.D. insulation max.

Temperature Rating:
Operating temperature range: -25°C to +85°C

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

HEADERS

PART NUMBER	PITCH	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
CDR-05-TR-SMT-KT-TR	.100" [2.54mm]	Right Angle	Surface Mount	Tin	Tape & Reel	View
CDR-05-TS-SMT	.100" [2.54mm]	Vertical	Surface Mount	Tin		View
CDR-XX-GR	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	View
CDR-XX-GR-HT	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	View
CDR-XX-GR-P	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	View
CDR-XX-GR-SMT-KT-TR	.100" [2.54mm]	Right Angle	Surface Mount	Gold	Tape & Reel	View
CDR-XX-GS	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
CDR-XX-GS-HT	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
CDR-XX-GS-P1	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
CDR-XX-MTS-P1-HT	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
CDR-XX-SGR	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	View
CDR-XX-SGS	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
CDR-XX-TR	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
CDR-XX-TR-HT	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
CDR-XX-TR-SMT	.100" [2.54mm]	Right Angle	Surface Mount	Tin		View
CDR-XX-TR-SMT-KT-TR	.100" [2.54mm]	Right Angle	Surface Mount	Tin	Tape & Reel	View
CDR-XX-TS	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
CDR-XX-TS-HT	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
CDR2-XX-SGS-B	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
CDR2-XX-TS-B	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHA-D-XX-GRA-V0	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	View
LHA-D-XX-GS-V0	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
LHA-D-XX-TRA-V0	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHA-D-XX-TS-V0	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View

HEADERS

PART NUMBER	PITCH	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
LHA-E-XX-TRA-V0	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHA-E-XX-TS-V0	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHA-XX-GRA	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	View
LHA-XX-GRA-V0	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	View
LHA-XX-GRB	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	View
LHA-XX-GS	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
LHA-XX-GS-V0	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
LHA-XX-TRA	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHA-XX-TRA-BK	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHA-XX-TRA-HT-V0	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHA-XX-TRA-V0	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHA-XX-TRB	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHA-XX-TS	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHA-XX-TS-V0	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHA-XX-TS-V0-HT	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHAB-D-XX-TS-HT-V0	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHAB-XX-TR-V0	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHAB-XX-TS-V0	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHAD-D-XX-GS-V0	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
LHAD-D-XX-TS-V0	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHAD-E-XX-TS-V0	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHB-XX-SA1	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHB-XX-SA1-G	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	View
LHB-XX-SA1-MT	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHB-XX-SA1-R	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHB-XX-SA1-SMT	.156" [3.96mm]	Vertical	Surface Mount	Tin		View
LHB-XX-SA1-V0-HT	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHB-XX-SA2	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHB-XX-SB1	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHB-XX-SB2	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHC-XX-GS	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	View
LHC-XX-GS-V0	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	View
LHC-XX-MTS-V0	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHC-XX-TRA	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHC-XX-TRA-V0	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHC-XX-TRA-V0-HT	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHC-XX-TS	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHC-XX-TS-SMT-V0	.156" [3.96mm]	Vertical	Surface Mount	Tin		View
LHC-XX-TS-V0	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHC-XX-TS-V0-BK	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHD-XX-GS-V0	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	View
LHD-XX-SGS-V0	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	View

HEADERS

PART NUMBER	PITCH	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
LHD-XX-TRA	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHD-XX-TRA-HT-V0	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHD-XX-TRA-V0	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHD-XX-TRB	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHD-XX-TRB-V0	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHD-XX-TS	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHD-XX-TS-HT-V0	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHD-XX-TS-V0	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHDA-XX-TRA	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	View
LHDA-XX-TS-BK	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	View
LHF-XX-SA1	.200" [5.08mm]	Vertical	Through Hole	Tin	Bag	View
LHF-XX-SA2	.200" [5.08mm]	Vertical	Through Hole	Tin	Bag	View
LHF-XX-SB1	.200" [5.08mm]	Right Angle	Through Hole	Tin	Bag	View
LHF-XX-SB2	.200" [5.08mm]	Right Angle	Through Hole	Tin	Bag	View
LHJ-XX-TS	.098" [2.50mm]	Vertical	Through Hole	Tin	Bag	View
LHS-XX-GRA	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	View
LHS-XX-GS	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	View
LHS-XX-MTS-SMT	.100" [2.54mm]	Vertical	Surface Mount	Tin		View
LHS-XX-TRA	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHS-XX-TRB	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHS-XX-TS	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHS-XX-TS-P	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHS-XX-TS-PB	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View
LHS-XX-TS-SMT	.100" [2.54mm]	Vertical	Surface Mount	Tin		View
LHT-XX-TR	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	View
LHTA-XX-TS	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	View

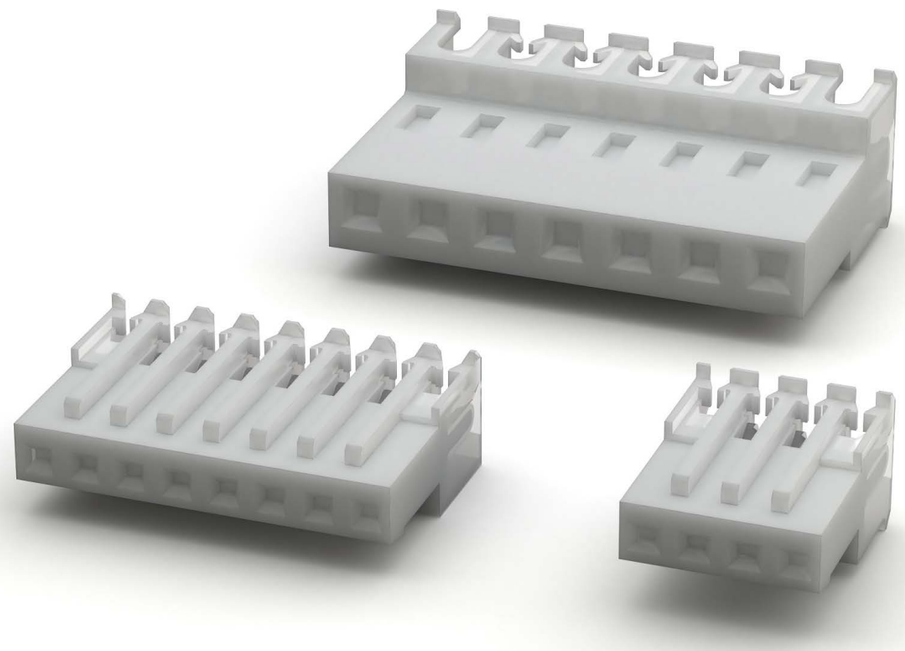
HOUSINGS

PART NUMBER	PITCH	PRODUCT DATA
CDH-XX	.100" [2.54mm]	View
MTA-XX	.100" [2.54mm]	View
MTB-XX	.156" [3.96mm]	View
MTS-XX	.100" [2.54mm]	View

TERMINALS

PART NUMBER	PITCH	PLATING	PRODUCT DATA
CDH-C-R	.100" [2.54mm]	Tin	View
MTA-C-X	.100" [2.54mm]	Tin	View
MTB-C-X	.156" [3.96mm]	Tin	View
MTC-C-X	.156" [3.96mm]	Tin	View
MTS-C-X	.100" [2.54mm]	Tin	View
MTS-C-X-G	.100" [2.54mm]	Gold	View

Adam Tech's Wire to Board Connectors provide IDC termination for various cable types and wire gauges. These connectors are offered in 2-20 positions, .100" [2.54mm] or .156" [3.96mm] pitch, long or short body style, and closed end or feed through types. Wire gauges ranging from 18 AWG to 28 AWG can be accommodated by this product line. Other options include mounting type and insulator color.



FEATURES & SPECIFICATIONS

FEATURES:
Easily mass terminates discrete wire and pre-notched flat cable
Housings have pre-inserted IDC contacts
High performance Gas tight IDC connection
Optional Feed through or Closed end cover

SPECIFICATIONS:

Material:
Insulator: Nylon 66, rated UL94V-2
Insulator Color: Natural
Contacts: Phosphor bronze and Brass
Contact Plating:
Tin over copper underplate overall

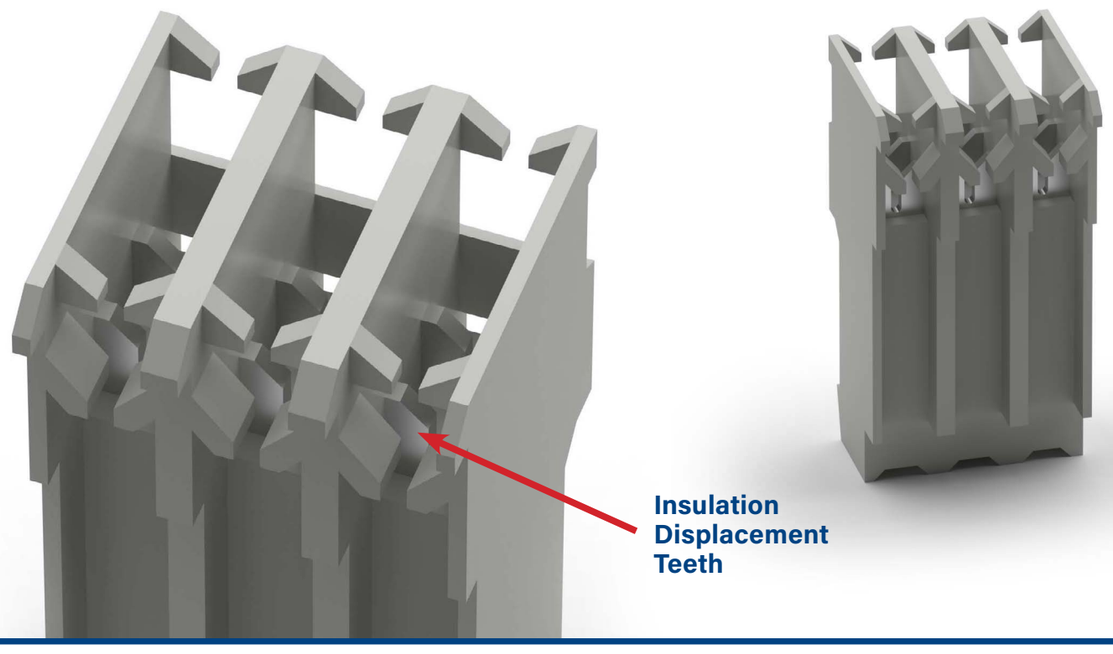
Electrical:
Operating voltage: 250V AC max.
Current rating:
.100" centers: 4. Amp max.
.156" centers: 6 Amp max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating force:
.100" & .156" Center: 1.3 lbs max
Unmating force:
.100" Center: 0.5 lbs min
.156" Center: 1.3 lbs min
.100" Centers: Wire size: 28 Awg to 22 Awg
.156" Centers: Wire size: 26 Awg to 18 Awg

Temperature Rating:
Operating temperature range: -40°C to +105°C

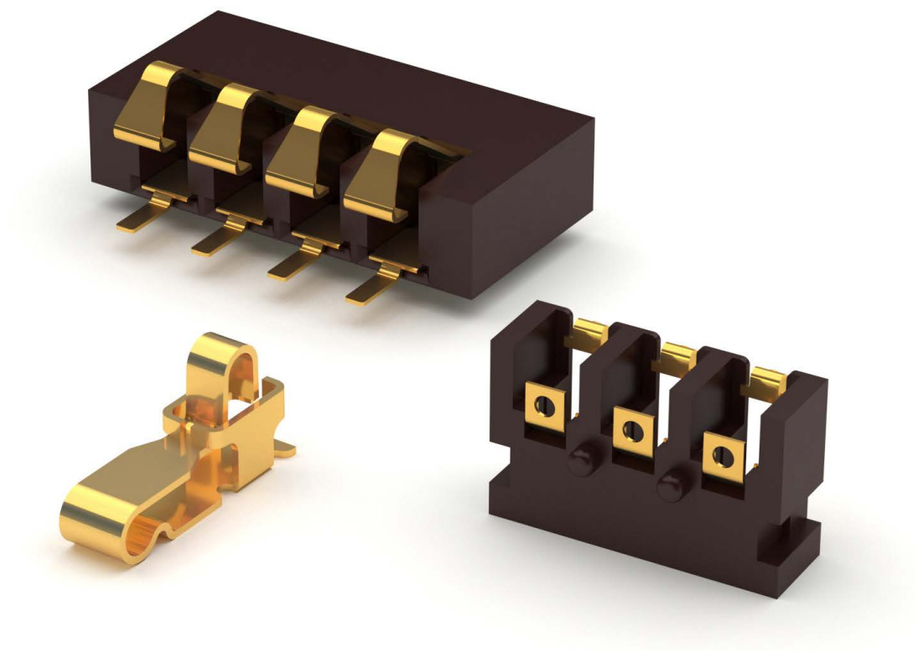
PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053



PART NUMBER	PITCH	BODY STYLE	WIRE AWG	POLARIZING	TYPE	PRODUCT DATA
ESMC-F-XX-SGS-14.10-IDC-L	.050" [1.27mm]		30	No	Closed End	View
MTD-A-XX-X-1	.100" [2.54mm]	Short	22-28	No	Feed Through	View
MTD-A-XX-X-2	.100" [2.54mm]	Short	22-28	No	Closed End	View
MTD-A1-XX-A-1	.100" [2.54mm]	Long	18	No	Feed Through	View
MTD-A1-XX-B-1	.100" [2.54mm]	Long	20	No	Feed Through	View
MTD-A1-XX-C-1	.100" [2.54mm]	Long	22	No	Feed Through	View
MTD-A1-XX-D-1	.100" [2.54mm]	Long	24	No	Feed Through	View
MTD-A1-XX-E-1	.100" [2.54mm]	Long	26	No	Feed Through	View
MTD-A1-XX-F-1	.100" [2.54mm]	Long	28	No	Feed Through	View
MTD-AC-XX	.100" [2.54mm]				Cover	View
MTD-B-XX-X-1	.156" [3.96mm]	Short	18-26	No	Feed Through	View
MTD-B-XX-X-2	.156" [3.96mm]	Short	18-26	No	Closed End	View
MTD-B1-XX-A-1	.156" [3.96mm]	Long	18	No	Feed Through	View
MTD-B1-XX-B-1	.156" [3.96mm]	Long	20	No	Feed Through	View
MTD-B1-XX-C-1	.156" [3.96mm]	Long	22	No	Feed Through	View
MTD-B1-XX-D-1	.156" [3.96mm]	Long	24	No	Feed Through	View
MTD-B1-XX-E-1	.156" [3.96mm]	Long	26	No	Feed Through	View
MTD-B1-XX-F-1	.156" [3.96mm]	Long	28	No	Feed Through	View
MTD-BC-XX	.156" [3.96mm]				Cover	View

Adam Tech Spring Connectors, Battery Holders, Battery Snaps and Mobile Battery Connectors are designed to create connections and contain batteries in electronic equipment. This series includes battery holders and coin cell holders for AAA, AA, C, D, 9V and lithium coin cells. Adam Tech produces this series in a variety of terminations such as through hole PCB leads, SMT leads, wire leads and solder lugs. Custom lead lengths on wire configurations are also available.



FEATURES & SPECIFICATIONS

BATTERY HOLDER SPECIFICATIONS:

Material:
Insulator: Impact resistant Polypropylene, rated UL94-HB
9V Holder, ABS, Glass filled rated UL94-HB
Insulator Color: Black
Spring: Spring Steel, Nickel plated
Contacts: Spring steel, Nickel plated
Snap terminals: Brass, Nickel plated
Wire: 26 Awg, PVC
Electrical:
Operating voltage: 1.5V to 9V DC max.
Temperature Rating:
Operating temperature: -55°C to +85°C

BATTERY SNAPS SPECIFICATIONS:

Material:
Soft PVC or rigid PP or PE
Snap terminals: Brass, nickel plated
Wire: 26 Awg stranded, UL1007, PVC insulation

Electrical:
Operating voltage: 9V max.

Temperature Rating:
Operating temperature: -55°C to +85°C

COIN CELL HOLDER & MOBILE BATTERY CONNECTOR SPECIFICATIONS:

Material:
Thru-hole: PBT Thermoplastic rated UL-94-VO
SMT: Hi-Temp Thermoplastic rated UL-94-VO

Electrical:
Operating voltage: 9V max.

Temperature Rating:
Operating temperature: -55°C to +85°C

APPROVALS AND CERTIFICATIONS:
Manufactured with UL Recognized Materials

Spring Connectors

PART NUMBER	PRODUCT TYPE	BATTERY TYPE (BATTERY HOLDERS)	BODY TYPE (BATTERY HOLDERS)	PRODUCT DATA
BS-1-1	Battery Snap	9 Volt	9 Volt Battery Snap	View
BS-2-1	Battery Snap	9 Volt	9 Volt Battery Snap	View
BS-4-1	Battery Snap	9 Volt	9 Volt Battery Snap	View
BS-5-1	Battery Snap	9 Volt	9 Volt Battery Snap	View
BS-6-1	Battery Snap	9 Volt	9 Volt Battery Snap	View
MBC-P-03-TR	Mobile Battery Connector			View
MBC-Q-03-TR	Mobile Battery Connector			View
MBC-R-04-TR	Mobile Battery Connector			View
MBC-S-04-TR	Mobile Battery Connector			View
MBC-T-04-TR	Mobile Battery Connector			View
MBC-U-04-TR	Mobile Battery Connector			View
MBC-V-05-TR	Mobile Battery Connector			View
MBC-W-XX-TR	Mobile Battery Connector			View

BATTERY HOLDER PART NUMBER CONFIGURATION

BH - 01 - 3 - T/R

SERIES	TYPE	TERMINATION	OPTIONS:
BH = *Battery Holder*	**01** *thru* **41**	**1** = *PCB Thru Hole* **2** = *Male/Female Snaps* **3** = *Solder Terminals* **4** = *Wire Leads 5.90 [150.00]* **5** = *SMT*	*Add designator(s) to end of part number* **T/R** = *tape and reel packaging*

BATTERY SNAPS

BS - 1 - 1

SERIES	TYPE	LEADS
BS = *Battery Snap*	**1** *thru* **6**	**1** = *Standard length* **2** = *Special length*

MOBILE BATTERY CONNECTOR

MBC - A - 2 - T/R

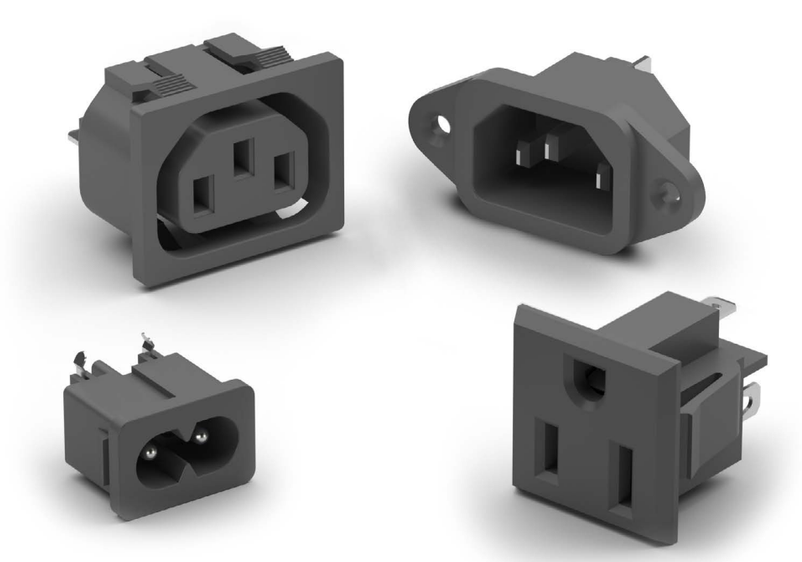
SERIES	TYPE	POSITIONS	OPTIONS:
MBC = *Mobile Battery Connector*	**P** *thru* **W**	**2** *thru* **8**	*Add designator(s) to end of part number* **T/R** = *tape and reel packaging*

Battery Holders

PART NUMBER	PRODUCT TYPE	BATTERY TYPE (BATTERY HOLDERS)	BODY TYPE (BATTERY HOLDERS)	PRODUCT DATA
BH-100A-1	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-102B-5	Battery Holder	AAA	2 Cell	View
BH-105A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-108A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-109A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-109B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-113A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-122A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-123A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-124A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-125A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-127A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-128A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-129A-5	Battery Holder	AAA	1 Cell	View
BH-25D-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-25E-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-25F-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-27A-5-G-WT	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-28A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-32C-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-32D-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-32E-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-32F-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-32H-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-35A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-44A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-44B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-44C-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-44D-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-44E-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-44F-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-44G-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-49A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-49A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-49A-5-T-BK	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-49B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-49C-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-49C-1-BK	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-49E-5	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-49E-5-BK	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-50B-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View

PART NUMBER	PRODUCT TYPE	BATTERY TYPE (BATTERY HOLDERS)	BODY TYPE (BATTERY HOLDERS)	PRODUCT DATA
BH-50C-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-55-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-57A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-67A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-67A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-67B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-67D-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-67E-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-68A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-74B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74C-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74E-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74F-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74G-5-P	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74H-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74K-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74L-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74M-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74N-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-74P-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-76A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-78B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-80A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-80B-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-82-1-2B	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-82-5-2B	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-90-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-91-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-92-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-92A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-94A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-95A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	View
BH-98-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View
BH-98R-1	Battery Holder	Coin Cell	Coin Cell Through Hole	View

Adam Tech IEC & Mini IEC series AC Inlets and Outlets are primary power receptacles designed, manufactured, tested and approved to UL, CSA, VDE and other applicable international specications including IEC-60320 and CEE-22. Adam Tech offers a wide variety of body styles, shapes and orientations to accommodate most class I & II applications with two or three blade contacts in both IEC and Mini IEC configurations. Mounting choices include screw holes and snap-in versions and four termination styles. Options of ganged ports or receptacle with integral fuse holder are also available.



FEATURES & SPECIFICATIONS

FEATURES:
IEC & Mini-IEC types
IEC-60320, CEE-22 Compliant
UL, CSA and VDE approved
Multitude of Body Styles
Choice of terminations
Option of Integral Fuse Holder

MATING CONNECTORS:
Adam Tech PC series power cords and all standard international
IEC 60320 power supply cords.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File Nos. E224051, E224052
ENEC Approved European Norm Electrical Certification

SPECIFICATIONS:

Material:
Insulator: Polycarbonate or Nylon 66, glass filled, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze or Brass

Plating:
Nickel over copper underplate. (Solder terminals: Tin over copper underplate)

Electrical:
Operating Voltage: 250V AC
Current Rating: IEC - UL & CSA: 15 Amps Max,
VDE: 10 Amps Max.
Mini IEC - UL, CSA & VDE 2.5 Amps Max.
Insulation Resistance: 100 MΩ Min. @ 500V DC
Dielectric Withstanding Voltage: 2000V AC for 1 Minute

Temperature Rating:
Operation Temperature: -25°C ~ +70°C

PART NUMBER CONFIGURATION

IEC	-	A	-	1	-	150
SERIES		BODY STYLE		TERMINALS		PANEL THICKNESS
IEC = *International inlet/outlet*		*See below*		**1** = *.187" Quick-connect terminals* **2** = *.250" Quick-connect terminals* **3** = *Solder terminals .157" [4.0mm]* **4** = *Right Angle PCB mount* **5** = *Solder Terminals .098" [2.5mm]*		*(for body styles C, D & J only)* *Blank = Universal Snap* **080** = *0.8mm Panel* **120** = *1.2mm Panel* **150** = *1.5mm Panel* **200** = *2.0mm Panel* **300** = *3.0mm Panel*

BODY STYLE

A = *Male Inlet, Screw-on panel mount*
B = *Female Outlet, Screw-on panel mount*
C = *Male Inlet, Snap-in panel mount*
D = *Female Outlet, Snap-in panel mount*
E = *Male Inlet, Right Angle PC board mount with mounting flange (Specify EW, EX, EY or EZ)*
F = *Male Inlet, Screw on panel mount with 5 x 20mm fuse holder*
G = *Male Inlet, Snap-in panel mount with 5 x 20mm fuse holder*
HS = *Inlet/Outlet, snap-in panel mount*
HR = *Inlet/outlet, snap-in panel mount, right angle PCB mount*
J = *Male inlet, right angle PCB & tail with snap-in panel mounting*
NA = *Mini-IEC right angle, snap-in*
NB = *Mini-IEC right angle, slide-in*
NB-A = *Mini-IEC right angle, slide-in with pegs*
NC = *Mini-IEC right angle, with flush flange*
NC-A = *Mini-IEC right angle, with extended face*
ND = *Mini-IEC right angle, with enclosed body*
NF = *Mini-IEC right angle, polarized with flange*
NH = *Mini-IEC right angle, with ground pin*
NH-A = *Mini-IEC right angle, flange mount with ground pin*
GS = *Fused inlet with switch snap in panel mount*
FS = *Fused inlet with switch screw on panel mount*
M = *Female outlet, 20 AMP, Flanged*
N = *Male inlet, 20 AMP, Snap-In*

PART NUMBER	TYPE	STYLE	TERMINALS	PANEL THICKNESS	PRODUCT DATA
IEC-A-1	IEC	Male Inlet, Screw On Panel Mount	.187" QD Terminals	3.0mm	View
IEC-A-2	IEC	Male Inlet, Screw On Panel Mount	.250" QD Terminals	3.0mm	View
IEC-A-3	IEC	Male Inlet, Screw On Panel Mount	.157" Solder Terminals	3.0mm	View
IEC-A-4	IEC	Male Inlet, Screw On Panel Mount	Right Angle PCB Mount	3.0mm	View
IEC-B-1	IEC	Female Outlet, Screw On Panel Mount	.187" QD Terminals	3.2mm	View
IEC-B-2	IEC	Female Outlet, Screw On Panel Mount	.250" QD Terminals	3.2mm	View
IEC-C-1	IEC	Male Inlet, Snap In Panel Mount	.187" QD Terminals	3.0mm	View
IEC-C-1-080	IEC	Male Inlet, Snap In Panel Mount	.187" QD Terminals	0.8mm	View
IEC-C-1-150	IEC	Male Inlet, Snap In Panel Mount	.187" QD Terminals	1.5mm	View
IEC-C-1-400	IEC	Male Inlet, Snap In Panel Mount	.187" QD Terminals	4.0mm	View
IEC-C-2	IEC	Male Inlet, Snap In Panel Mount	.250" QD Terminals	3.0mm	View
IEC-C-2-080	IEC	Male Inlet, Snap In Panel Mount	.250" QD Terminals	0.8mm	View
IEC-C-2-150	IEC	Male Inlet, Snap In Panel Mount	.250" QD Terminals	1.5mm	View
IEC-C-2-400	IEC	Male Inlet, Snap In Panel Mount	.250" QD Terminals	4.0mm	View
IEC-C-3	IEC	Male Inlet, Snap In Panel Mount	.157" Solder Terminals	3.0mm	View
IEC-C-3-080	IEC	Male Inlet, Snap In Panel Mount	.157" Solder Terminals	0.8mm	View
IEC-C-3-150	IEC	Male Inlet, Snap In Panel Mount	.157" Solder Terminals	1.5mm	View
IEC-C-3-400	IEC	Male Inlet, Snap In Panel Mount	.157" Solder Terminals	4.0mm	View
IEC-C-5	IEC	Male Inlet, Snap In Panel Mount	.098" Solder Terminals	3.0mm	View
IEC-C-5-080	IEC	Male Inlet, Snap In Panel Mount	.098" Solder Terminals	0.8mm	View
IEC-C-5-150	IEC	Male Inlet, Snap In Panel Mount	.098" Solder Terminals	1.5mm	View
IEC-C-5-400	IEC	Male Inlet, Snap In Panel Mount	.098" Solder Terminals	4.0mm	View
IEC-D-1	IEC	Female Outlet, Snap In Panel Mount	.187" QD Terminals	3.0mm	View
IEC-D-2	IEC	Female Outlet, Snap In Panel Mount	.250" QD Terminals	3.0mm	View
IEC-D-3	IEC	Female Outlet, Snap In Panel Mount	.157" Solder Terminals	3.0mm	View
IEC-D-SX-150	IEC	Stacked Female Outlet, Snap In Panel Mount		3.0mm	View
IEC-EW-4	IEC	Male Inlet, Right Angle PCB Mount with Mounting Flange	Right Angle PCB Mount	3.0mm	View
IEC-EZ-4	IEC	Male Inlet, Right Angle PCB Mount with Mounting Flange	Right Angle PCB Mount	3.0mm	View
IEC-F-1	IEC	Male Inlet, Screw On Panel Mount with Fuse Holder	.187" QD Terminals	3.0mm	View
IEC-F-2	IEC	Male Inlet, Screw On Panel Mount with Fuse Holder	.250" QD Terminals	3.0mm	View
IEC-FS-1	IEC	Fused Inlet with Fused Screw On Panel Mount	.187" QD Terminals	3.0mm	View
IEC-G-1	IEC	Male Inlet, Snap In Panel Mount with Fuse Holder	.187" QD Terminals	3.0mm	View
IEC-G-2	IEC	Male Inlet, Snap In Panel Mount with Fuse Holder	.250" QD Terminals	3.0mm	View
IEC-G-5	IEC	Male Inlet, Snap In Panel Mount with Fuse Holder	.157" Solder Terminals	3.0mm	View
IEC-GS-1-100	IEC	Fused Inlet with Switch Snap in Panel Mount	.187" QD Terminals	1.0mm	View
IEC-GS-1-150	IEC	Fused Inlet with Switch Snap in Panel Mount	.187" QD Terminals	1.5mm	View
IEC-GS-1-200	IEC	Fused Inlet with Switch Snap in Panel Mount	.187" QD Terminals	2.0mm	View
IEC-HS-1	IEC	Inlet/Outlet Combination, Snap In Panel Mount	.187" QD Terminals	3.0mm	View
IEC-J-4-150	IEC	Male Inlet, Right Angle PCB Mount	Right Angle PCB Mount	1.5mm	View
IEC-J-4-200	IEC	Male Inlet, Right Angle PCB Mount	Right Angle PCB Mount	2.0mm	View
IEC-J-4-300	IEC	Male Inlet, Right Angle PCB Mount	Right Angle PCB Mount	3.0mm	View
IEC-M-1	IEC	Male Inlet, Screw On Panel Mount	.187" QD Terminals	3.0mm	View

PART NUMBER	TYPE	STYLE	TERMINALS	PANEL THICKNESS	PRODUCT DATA
IEC-NA-4	Mini IEC	Mini IEC, Right Angle Snap In	Right Angle PCB Mount	2.6mm	View
IEC-NC-4	Mini IEC	Mini IEC, Right Angle with Flush Flange	Right Angle PCB Mount	4.0mm	View
IEC-NC-A-4	Mini IEC	Mini IEC, Right Angle with Extended Face	Right Angle PCB Mount	4.0mm	View
IEC-ND-4	Mini IEC	Mini IEC, Right Angle with Enclosed Body	Right Angle PCB Mount	3.0mm	View
IEC-NF-4	Mini IEC	Mini IEC, Right Angle Polarized with Flange	Right Angle PCB Mount	3.0mm	View
IEC-NH-4	Mini IEC	Mini IEC, Right Angle with Ground Pin	Right Angle PCB Mount	4.0mm	View
NEMA-5-1-A	NEMA	NEMA Receptacle	.187" QD Terminals	3.4mm	View
NEMA-5-1-B	NEMA	NEMA Receptacle	.187" QD Terminals	3.4mm	View
NEMA-5-15-PC	NEMA	NEMA Receptacle	Vertical PCB Mount	5.2mm	View
NEMA-5-2	NEMA	NEMA Receptacle		3.5mm	View
NEMA-5-3	NEMA	NEMA Receptacle	IDC Vertical Orientation	5.2mm	View
NEMA-5-3-HW	NEMA	NEMA Receptacle	IDC Horizontal Orientation	5.0mm	View
NEMA-5-3-RA-AN4860-1-065	NEMA	Female Outlet, Snap In Panel Mount	Right Angle PCB Mount	3.0mm	View
NEMA-5-3-RA-PC	NEMA	NEMA Receptacle	Right Angle PCB Mount	5.3mm	View
PA-001	Power Adapter	Adapter: NEMA Plug to USB Type A Socket			View
PA-002	Power Adapter	Adapter: NEMA Plug to DC Plug			View
PA-003	Power Adapter	Adapter: NEMA Plug to DC Plug			View
PA-004	Power Adapter	Adapter: NEMA Plug to DC Plug			View
PA-005	Power Adapter	Adapter: NEMA Plug to DC Plug			View
PA-006	Power Adapter	Adapter: IEC Socket to DC Plug			View
PA-007-X	Power Adapter	Adapter: NEMA Plug to DC Plug			View
PA-008-X	Power Adapter	Adapter: NEMA Plug to DC Plug			View
PA-009-X	Power Adapter	Adapter: NEMA Plug to DC Plug			View
PA-010	Power Adapter	Adapter: NEMA Plug to USB Type A Socket			View
PA-011	Power Adapter	Adapter: IEC Socket to DC Plug			View
PA-012	Power Adapter	Adapter: NEMA Plug to DC Plug			View
PA-013	Power Adapter	Adapter: NEMA Plug to DC Plug			View
PA-014	Power Adapter	Adapter: NEMA Plug to USB Type C Socket			View
PC-0102076AC03	Power Cord				View
PC-0103150BA03	Power Cord				View

Power Line Filters

Adam Tech's EMI/RFI Power Line Filters are designed to block the incoming and outgoing interference of high-frequency signals. This allows devices to run without interruption. Adam Tech's power line filters have a voltage rating of 115/250VAC, and current ratings ranging from 1A to 20A. A variety of options are available, including outline, mounting, and switches.

FEATURES & SPECIFICATIONS

FEATURES:

Line filter type
Flanged panel or chassis mount
115/250VAC voltage rating
Current ratings ranging from 1 to 20 Amps
Fused option
Switch option
Various termination options including quick connect, wire leads, terminal block, and screw
Ideal for switching power supplies
Prevents electromagnetic interference signals from reaching the input power line or the equipment

APPLICATIONS:

Medical
Industrial
Computers
Household appliances

SPECIFICATIONS:

Electrical:

Voltage rating: 115/250VAC
Current rating range: 1 to 20A RMS max
Leakage current (each line to ground):
  115VAC/60HZ: 0.3mA to 0.5mA max
  250VAC/50HZ: 0.6mA to 1.0mA max
Hipot rating (for 1 minute):
  A. Line to ground: 2,250 VDC
  B. Line to line: 500 or 1450 VDC
IR: 50 Mohms @500 VDC any input or output to ground

Temperature Rating:

Operating temperature range: -25°C to +100°C

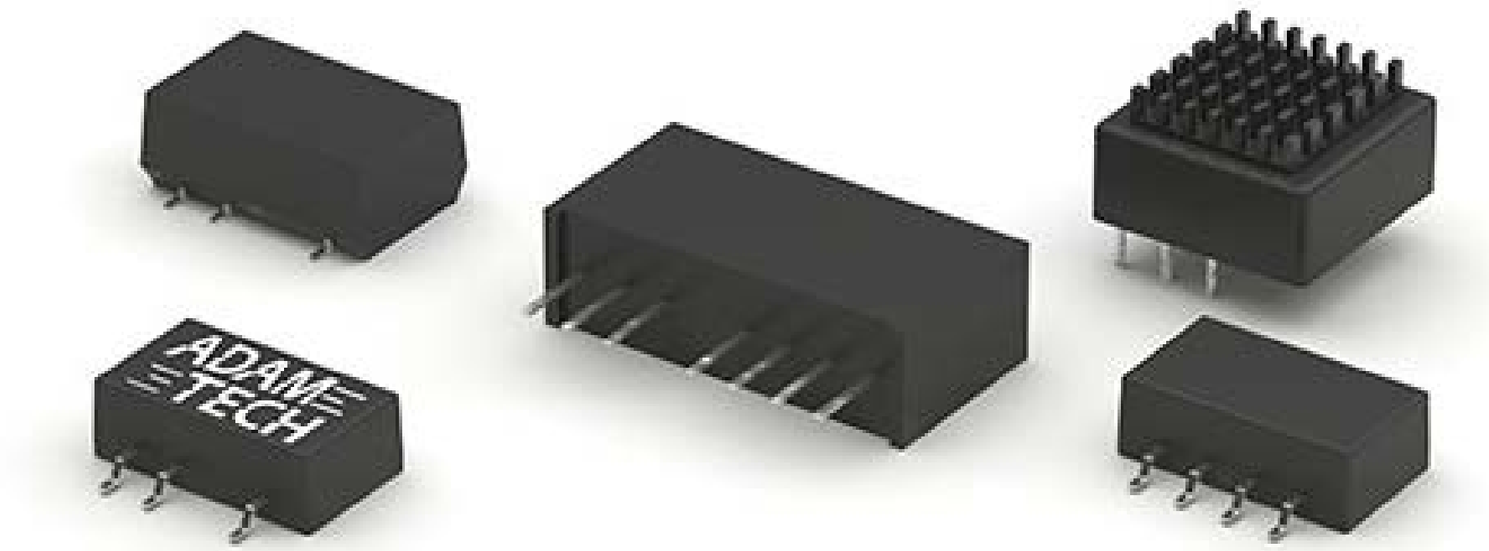
APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E244331

PART NUMBER	MOUNTING TYPE	VOLTAGE RATING	CURRENT RATING	FUSED	SWITCHED	TERMINATION	PRODUCT DATA
PLF-11A1-10A-Q	Flanged Panel Mount	115/250V AC	10 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	View
PLF-11A1-6A-Q	Flanged Panel Mount	115/250V AC	6 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	View
PLF-11B1-10A-Q-R	Chassis Mount	115/250V AC	10 Amp	Fused	No	Quick Connect .250" [6.35mm]	View
PLF-11B1-6A-Q-R	Chassis Mount	115/250V AC	6 Amp	Fused	No	Quick Connect .250" [6.35mm]	View
PLF-11B2-10A-Q	Flanged Panel Mount	115/250V AC	10 Amp	Fused	No	Quick Connect .250" [6.35mm]	View
PLF-11B2-6A-Q-R5	Flanged Panel Mount	115/250V AC	6 Amp	Fused	No	Quick Connect .250" [6.35mm]	View
PLF-11C1-10A-Q	Flanged Panel Mount	115/250V AC	10 Amp	Fused	Yes	Quick Connect .250" [6.35mm]	View
PLF-11C4-10A-Q-R	Flanged Panel Mount	115/250V AC	10 Amp	Fused	Yes	Quick Connect .250" [6.35mm]	View
PLF-11E1-10A-W-R	Chassis Mount	115/250V AC	10 Amp	Non-Fused	No	Wire Leads	View
PLF-11E1-1A-W	Chassis Mount	115/250V AC	1 Amp	Non-Fused	No	Wire Leads	View
PLF-11E1-6A-W	Chassis Mount	115/250V AC	6 Amp	Non-Fused	No	Wire Leads	View
PLF-11E3-6A-Q-R	Chassis Mount	115/250V AC	6 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	View
PLF-12D2-10A-Q-R	Chassis Mount	115/250V AC	10 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	View
PLF-12D2-3A-Q-R	Chassis Mount	115/250V AC	3 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	View
PLF-12D4-20A-Q-R	Chassis Mount	115/250V AC	20 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	View
PLF-12E4-10A-Q-R	Chassis Mount	115/250V AC	10 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	View
PLF-12E4-20A-S-R	Chassis Mount	115/250V AC	20 Amp	Non-Fused	No	Screw	View
PLF-21D3-10A-Q	Chassis Mount	115/250V AC	10 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	View
PLF-21D5-20A-T	Chassis Mount	115/250V AC	20 Amp	Non-Fused	No	Terminal block	View
PLF-22D1-6A-W	Chassis Mount	115/250V AC	6 Amp	Non-Fused	No	Wire Leads	View
PLF-22D6-20A-Q	Chassis Mount	115/250V AC	20 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	View
PLF-27D1-3A-W	Chassis Mount	115/250V AC	3 Amp	Non-Fused	No	Wire Leads	View

DC-DC Converters

Adam Tech's DC-DC Converters are designed to effectively convert direct current (DC) from one voltage level to another. This makes them ideal for applications that utilize the cooperation of different voltage levels. Adam Tech's offering is equipped to accommodate these various applications, thanks to its support of a wide range of watts, voltages, and currents. In addition, Adam Tech possesses the ability to manufacture custom converters to meet every customer's needs.



FEATURES & SPECIFICATIONS

FEATURES:

Efficiently convert DC voltage levels
Single and dual output
Power ranging from 1 to 30 W
Input voltages ranging from 2.97 to 75 VDC
Output voltages ranging from 3.3 to 24 VDC
Input currents ranging from 7 to 10 mA no-load, and 255 to 1420 mA full-load
Output currents ranging from 21 to 6500 mA
Various packaging options
Burned-in
Low ripple and noise

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. QQJQ2-E538449 and QQGQ2-E538449

PART NUMBER	WATTS	INPUT VOLTAGE RANGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (MA)	PRODUCT DATA
EIB2-12D035152	2	12	-3.5~15	±111	View
EIB2-12D18032	2	12	18	±100	View
EIB2-15D15052	2	15	15	100	View
E2-05S053	3	5	5	600	View
EC2-05D052P3	2	4.5~5.5	±5	±200	View
EC2-05D12P3	1	4.5~5.5	±12	±42	View
EC2-05D151PH3	1	5	±15	±34	View
EC2-05S03P3	1	4.5~5.5	3.3	303	View
EC2-05S052P3	2	4.5~5.5	5	400	View
EC2-05S05P3	1	4.5~5.5	5	200	View
EC2-05S05RP3	1	4.75~5.25	5	200	View
EC2-12D24P3	1	9.6~14.4	±24	±21	View
EC2-12S053P3	3	10.8~13.2	5	600	View
EC2-12S05P3	1	9.6~14.4	5	200	View
EC2-12S123P	3	10.8~13.2	12	250	View
EC2-15S15P3	1	12~18	15	67	View
EC2-24D12P3	1	19.2~28.8	±12	±42	View
EC2-24S03P3	1	24	3.3	303	View
EC2-24S05P3	1	24	5	200	View
EC2-24S12P3	1	24	12	84	View
EC2-24S152P6	2	19.2~28.8	15	133	View
EC2-24S15P3	1	19.2~28.8	15	67	View
EC21-15D1504F2H5C	2.2	15	14.33	±120	View
EC2M-05D1542	1	5	±15	±34	View
EC3-24S03P3	1	19.2~28.8	3.3	303	View
EC3R-05S05P3	1	4.5~5.5	5	200	View

PART NUMBER	WATTS	INPUT VOLTAGE RANGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (MA)	PRODUCT DATA
EC3R-24S24P2	1	24	24	84	View
EC3T-03S053P	1	3.3	5	200	View
EC3T-05S03P	1	4.5~5.5	3.3	303	View
EC3T-05S05	1	4.5~5.5	5	200	View
EC3T-05S05P	1	4.5~5.5	5	200	View
EC3T-05S05P025	0.25	5	5	50	View
EC3T-05S05P3	1	4.5~5.5	5	200	View
EC3T-05S092P	1	5	9	112	View
EC3T-05S09P	1	4.5~5.5	9	112	View
EC3T-05S12P	1	4.5~5.5	12	84	View
EC3T-12S05P	1	9.6~14.4	5	200	View
EC3T-12S122P	2	10.8~13.2	12	167	View
EC3T-12S12P	1	9.6~14.4	12	84	View
EC3T-12S12P3	1	9.6~14.4	12	84	View
EC3T-24S12P	1	19.2~28.8	12	84	View
EC3T-24S242P	2	21.6~26.4	24	84	View
EC4-05D12P	1	5	±12	±42	View
EC4-05D15P	1	5	±15	±34	View
EC4-05S03RP	1	4.75~5.25	3.3	250	View
EC4-05S05	1	4.5~5.5	5	200	View
EC4-05S05P	1	5	5	200	View
EC4-05S05RP	1	4.75~5.25	5	200	View
EC4-12D05P	1	9.6~14.4	±5	±100	View
EC4-12S05P	1	9.6~14.4	5	200	View
EC4-12S12P	1	9.6~14.4	12	84	View
EC4-12S15P2	2	12	15	133	View

PART NUMBER	WATTS	INPUT VOLTAGE RANGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (MA)	PRODUCT DATA
EC4-15D12P	1	12~18	±12	±42	View
EC4-24D103P	3	21.6~26.4	±10	±150	View
EC4-24D122P	2	24	±12	±84	View
EC4-24D12P	1	24	±12	±42	View
EC4-24D152P	2	21.6~26.4	±15	±67	View
EC4-24D153P	3	21.6~26.4	±15	±100	View
EKS-24S05R3-NRTP	15	18~36	5	3000	View
EKSW-24S12R3	15	24	12	1250	View
EKT20-24S12R3	20	9~36	12	1670	View
ES3-05D09P15	1	5	±9	56	View
ES3-05S0512P	1	5	5	200	View
ES3-05S052P3	2	4.5~5.5	5	400	View
ES3-05S05P	1	5	5	200	View
ES3-05S05P15	1	5	5	200	View
ES3-05S05P3	1	4.5~5.5	5	200	View
ES3-05S12P15-0.75	0.75	5	12	63	View
ES3-12S05P	1	12	5	200	View
ES3-12S05P15	1	12	5	200	View
ES3-12S12P15	2	12	12	167	View
ES3-24D05P15	1	24	5	±100	View
ES3-24S05P3	1	24	5	±200	View
ES3-24S242P	2	24	24	84	View
ES31-05D15P15	1	5	±15	±34	View
ES31-05S15P3	1	5	15	67	View
ES3R-03S05P3	1	2.97~3.63	5	200	View
ES3R-05S05P3	1	4.5~5.5	5	200	View
ES3R-05S05R3	1	4.5~5.5	5	200	View
ES3R-24S09P3	1	19.2~28.8	9	112	View
KH75-24S033	75	9~36	3.3	18000	View
KH75-24S05	75	9~36	5	15000	View
KR15-24S12	15	9~36	12	1250	View
KR15-24S24	15	9~36	24	625	View
KW60-24S05	60	9~36	5	12000	View
KW60-24S12	60	9~36	12	5000	View
KW60-24S15	60	9~36	15	4000	View
KW60-24S24	60	9~36	24	2500	View
KW60-48S05	60	18~75	5	12000	View
KW60-48S12	60	18~75	12	5000	View
KW60-48S15	60	18~75	15	4000	View
KW60-48S24	60	18~75	24	2500	View
NL1-05-1A	N/A	6.5~36	5	1000	View
NL1-05-2A	N/A	6.5~36	5	2000	View
NL1-05-2AR	3	4.75~36	5	2000	View

PART NUMBER	WATTS	INPUT VOLTAGE RANGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (MA)	PRODUCT DATA
NL1-05-P5	N/A	6.5~34	5	500	View
NL1-09-1A	N/A	12~36	9	1000	View
NL1-12-1A	N/A	15~36	12	1000	View
NL1-15-1A	N/A	18~36	15	1000	View
NL1-3P3-1A	N/A	4.75~36	3.3	1000	View
NL1-3P3-P5	N/A	4.75~34	3.3	500	View
NL1-3R3-1A		4.75~36	3.3	1000	View
NL1-3R3-500	N/A	4.75~36	3.3	500	View
NL1-6P5-1A	N/A	9~36	6.5	1000	View
NL1C-05-500	N/A	6.5~36	5	500	View
NL1C-12-500	N/A	15~36	12	500	View
NL1C-3R3-500	N/A	4.75~36	3.3	500	View
NL1DS-05-500	N/A	6.5~36	5	500	View
RD16-12S05R	1	9~18	5	200	View
RD7-05D053R	3	4.5~9	±5	±300	View
RD7-05S033R3	3	4.5~9	±3.3	700	View
RD7-05S053R3	3	4.5~9	±5	600	View
RD7-05S05R	2	5~9	5	400	View
RD7-05S05R3	2	5~9	5	400	View
RD7-05S123	3	5	12	250	View
RD7-12D126R	6	9~18	±12	±250	View
RD7-12D12R	2	9~18	±12	±84	View
RD7-12D153R3	3	9~18	±15	±100	View
RD7-12S033R	3	9~18	3.3	909	View
RD7-12S053R3	3	9~18	5	600	View
RD7-12S09R	2	9~18	9	222	View
RD7-12S123R	3	9~18	12	250	View
RD7-24D053R	3	18~36	±5	±300	View
RD7-24D103R	3	18~36	±10	±150	View
RD7-24D123R3	3	18~36	±12	±125	View
RD7-24D12R	2	18~36	±12	±84	View
RD7-24D153R3	3	18~36	±15	±100	View
RD7-24D156R	6	18~36	±15	±200	View
RD7-24S033R	3	18~36	3.3	700	View
RD7-24S036R	6	18~36	3.3	1500	View
RD7-24S03R3	2	18~36	±3.3	500	View
RD7-24S053R	3	18~36	5	600	View
RD7-24S053R3	3	18~36	5	600	View
RD7-24S056R	6	18~36	5	1200	View
RD7-24S05R3	2	18~36	5	400	View
RD7-24S123R	3	18~36	12	250	View
RD7-24S126R	6	18~36	12	500	View
RD7-24S12R	2	18~36	12	167	View

PART NUMBER	WATTS	INPUT VOLTAGE RANGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (MA)	PRODUCT DATA
RD7-24S153R	3	18~36	15	200	View
RD7-24S156R	6	18~36	15	400	View
RD7-24S246R	6	18~36	24	250	View
RD7-48S053R3	3	36~72	5	600	View
RD72-24S05R	2	18~36	±5	400	View
RD7D-24D15R3	2	18~36	±15	±66	View
RD7DC-24D15R6	6	9~36	±15	±200	View
RD7DC-24S056	6	24	5	1200	View
RD7DC-24S096	6	24	9	667	View
RD7DC-24S15R6	6	9~36	15	400	View
RD7W-48S053R	3	18~75	5	600	View
RQ615S-12S05R	15	9~18	5	3000	View
RQ6DC-24S05R6	6	24	5	1200	View
RQ6DC-24S05R6H	6	9~36	5	1200	View
RQ6DC-24S12R6	6	9~36	12	500	View
RQ6DC-24S15R6H	6	9~36	15	400	View
RQ6DC-24S24R6	6	9~36	24	250	View
RQ6DW-24S09R6-10	10	24	9	1111	View
RQ6W15S-24S12R	15	9~36	12	1250	View
RQ6W20-24S12R	20	9~36	12	1670	View
RQ9P-24D12R	30	9~36	±12	±1250	View
RQ9P-48D12R	30	18~75	±12	±1250	View
RQ9S-24D15R	30	9~36	±15	±1000	View
RQ9S-24S05R	30	9~36	5	6000	View
RQ9S-24S12R	30	9~36	12	2500	View
RQ9S-24S24R	30	9~36	24	1250	View
RQ9S-48S04R	30	18~75	4.2	6500	View
RQ9S-48S05R	30	18~75	5	6000	View
UC10-24D15	10	9~36	±15	±333	View
UC10-24S12	10	9~36	12	833	View
UC10-24S24	10	9~36	24	416	View
UC15-24D15	15	9~36	±15	±500	View
UC15-24S12	15	9~36	12	1250	View
UC15-24S24	15	9~36	24	625	View
UWC30-36S12	30	36	±12	±2500	View

AC-DC Converters

Adam Tech is equipped with an extensive offering of AC-DC Converters. These devices are designed to efficiently convert alternating current (AC) into direct current (DC). This makes them ideal for applications that utilize DC power. Adam Tech's offering is equipped to accommodate these various applications, thanks to its support of a wide range of watts, voltages, and currents. In addition, Adam Tech possesses the ability to manufacture custom converters to meet every customer's needs.

FEATURES & SPECIFICATIONS

FEATURES:

Efficiently convert AC into DC
Single and dual output
Power ranging from 2.64 to 60W
Output voltages ranging from 3.3 to 48VDC
Output currents ranging from 104 to 8000mA
Short circuit/overload protection

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. QQGQ2-E538449

PART NUMBER	WATTS	OUTPUT VOLTAGE (V)	OUTPUT CURRENT MAX (MA)	PRODUCT DATA
AC003-S03	2.64	3.3	800	View
AC003-S05	3	5	600	View
AC003-S06	3	6	500	View
AC003-S09	3	9	333	View
AC003-S12	3	12	250	View
AC003-S24	3	24	125	View
AC003-S27	3	27	110	View
AC005-S03	4	3.3	1200	View
AC005-S05	5	5	1000	View
AC005-S06	5.1	6	850	View
AC005-S09	5.4	9	600	View
AC005-S12	6	12	500	View
AC005-S15	6	15	400	View
AC005-S24	6	24	250	View
AC010-D05	10	±5	±1000	View
AC010-D12	12	±12	±500	View
AC010-D15	12	±15	±400	View
AC010-D24	12	±24	±250	View
AC010-S03	10	3.3	3000	View
AC010-S05	10	5	2000	View
AC010-S12	12	12	1000	View
AC010-S15	12	15	800	View
AC010-S24	12	24	500	View
AC025-D05	25	±5	±2500	View
AC025-D15	24	±15	±800	View
AC025-D24	24	±24	±500	View
AC025-D28-28	28	±28	±500	View
AC025-D28B-28	28	±28	±500	View

PART NUMBER	WATTS	OUTPUT VOLTAGE (V)	OUTPUT CURRENT MAX (MA)	PRODUCT DATA
AC025-S03	16.5	3.3	5000	View
AC025-S05	20	5	4000	View
AC025-S06	24	6	4000	View
AC025-S09	22.5	9	2500	View
AC025-S12	25	12	2100	View
AC025-S15	26	15	1750	View
AC025-S16	26	16	1625	View
AC025-S18	26	18	1450	View
AC025-S24	26.4	24	1100	View
AC025-S27	27	27	1000	View
AC025-S36	27	36	750	View
AC025-S48	27	48	560	View
AC030-D12	42	±12	±1750	View
AC030-S05	40	5	8000	View
AC030-S12	42	12	3500	View
AC030-S24	42	24	1750	View
AC030-S48	48	48	1000	View
AC10D-S03	6.6	3.3	2000	View
AC10D-S05	10	5	2000	View
AC10D-S12	12	12	1000	View
AC10D-S15	12	15	800	View
AC10D-S24	12	24	500	View
AC10G-S09-A	10	±9	111	View
AC10G-S12-A	10.2	±12	850	View
AC15D-S09B	15	±9	1670	View
AC20D-S05B	20	±5	4000	View
AC20D-S24B	20	±24	840	View
AC25D-S24	26.4	±24	1100	View

PART NUMBER	WATTS	OUTPUT VOLTAGE (V)	OUTPUT CURRENT MAX (MA)	PRODUCT DATA
AC5A-S03	3.3	3.3	1000	View
AC5A-S05	5	5	1000	View
AC5A-S06	5	6	830	View
AC5A-S12	6	12	500	View
AC5A-S14	6	14	430	View
AC5A-S18	6	18	335	View
AC5A-S24	6	24	250	View
AC5A-S48	6	48	125	View
AC5E-S03	5	3.3	1515	View
AC5E-S04	5	4	1250	View
AC5E-S05	5	5	1000	View
AC5E-S09	5	9	555	View
AC5E-S12	5	12	416	View
AC5E-S12-3-P3R	3	±12	250	View
AC5E-S12-P3R	5	±12	416	View
AC5E-S15	5	15	333	View
AC5E-S24	5	24	208	View
AC5E-S48	5	48	104	View
AC5F-S12-5	5	±12	420	View
AD003-S03	2.64	3.3	800	View
AD003-S05	3	5	600	View
AD003-S12	3	12	250	View
AD005-S05	5	5	1000	View
AD005-S12	6	12	500	View
AD005-S24	6	24	250	View
AD40A-S24	40	±24	1670	View
AD60A-S12	60	12	5000	View
AD60A-S24	60	24	2500	View

Energy Storage Connectors

Adam Tech's ESF/ESM Series Energy Storage Connectors provide a critical link between battery modules. This link ensures safe and reliable connections in energy storage systems, such as electric vehicle charging, renewable energy devices, and both industrial and consumer energy storage. The series is composed of various mated pairs, offered in both orange and black. Various voltage ratings, current ratings, and wire gauges are supported, making this series compatible with a wide range of applications. Compatible dust covers are available, providing additional protection.

FEATURES & SPECIFICATIONS

FEATURES:

Providing reliable and efficient energy transfers
Broad current range of 90A to 350A
Voltage range of 1000VDC to 1500VDC
Various wire gauge options
Termination options: crimp, threaded hole, screw post, and busbar
Orange and black housing
Mated pairs
IP67 waterproof when mated
UL 94V-0 flammability protection
PA66 materials
RoHS & REACH compliant
UL recognized
Compatible dust covers

SPECIFICATIONS:

Material:
Insulator, cap, and top: PA66, Glass reinforced, rated UL94V-0
Gasket/waterproof ring: Silicone
Contact: Pure red copper, silver plated surface
Spring: SUS301

Electrical:
Voltage rating: 1000/1500VDC
Current rating: 90A, 120A, 200A, 250A, 300A, and 350A
Contact resistance: 0.5 mohms max
Insulation resistance: 1000 Mohms min.
Dielectric withstanding voltage: 3800/6800VDC

Mechanical:
Durability: 500 cycles
Overvoltage category/pollution degree: CATIII/3

Temperature Rating:
Operating temperature range: -40°C to +125°C

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. BBTH2-E537617

ESF PART NUMBER CONFIGURATION

ESF	- 200	A02	- AA	B	040
SERIES	**CURRENT RATING**	**VERSION**	**KEY OPTIONS**	**HOUSING COLOR**	**TERMINAL TYPE**
ESF = *Female Energy Storage Connector*	**090** = *90 amps* **120** = *120 amps* **200** = *200 amps* **250** = *250 amps* **300** = *300 amps* **350** = *350 amps*	**A02**	**AA** = *+85°* **AD** = *-65°*	**O** = *Orange* **B** = *Black*	**010** = *Threaded Hole* **020** = *Busbar (Threaded Hole)* **030** = *Screw Post* **040** = *Busbar (Through Hole)* **051** *or* **052** = *Crimp*

ESM PART NUMBER CONFIGURATION

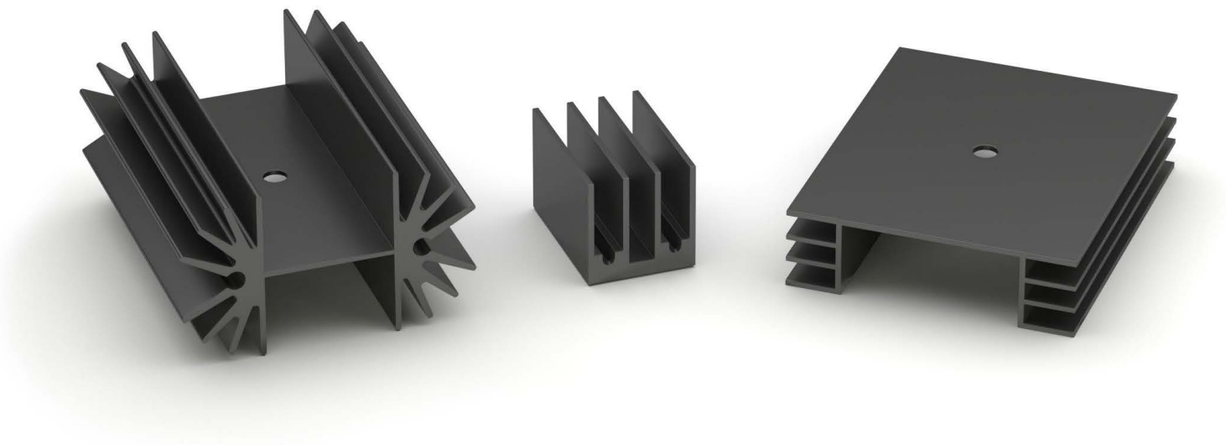
ESM	- 200	A02	- AA	B
SERIES	**CURRENT RATING**	**VERSION**	**KEY OPTIONS**	**HOUSING COLOR**
ESM = *Male Energy Storage Connector*	**090** = *90 amps* **120** = *120 amps* **200** = *200 amps* **250** = *250 amps* **300** = *300 amps* **350** = *350 amps*	**A02**	**AA** = *-85°* **AD** = *+65°*	**O** = *Orange* **B** = *Black*

PART NUMBER	PRODUCT TYPE	CURRENT RATING	VOLTAGE RATING	CABLE GAUGE	COMPATIBLE DUST COVER	COLOR	PRODUCT DATA
ESF-090A02-AAB020	Energy Connector (Female)	90A	1000V	6AWG (16mm²)	ESF-DC1	Black	View
ESF-090A02-AAB040	Energy Connector (Female)	90A	1000V	6AWG (16mm²)	ESF-DC1	Black	View
ESF-090A02-AAO020	Energy Connector (Female)	90A	1000V	6AWG (16mm²)	ESF-DC1	Orange	View
ESF-090A02-AAO040	Energy Connector (Female)	90A	1000V	6AWG (16mm²)	ESF-DC1	Orange	View
ESF-090A02-ADB020	Energy Connector (Female)	90A	1000V	6AWG (16mm²)	ESF-DC1	Black	View
ESF-090A02-ADB040	Energy Connector (Female)	90A	1000V	6AWG (16mm²)	ESF-DC1	Black	View
ESF-090A02-ADO020	Energy Connector (Female)	90A	1000V	6AWG (16mm²)	ESF-DC1	Orange	View
ESF-090A02-ADO040	Energy Connector (Female)	90A	1000V	6AWG (16mm²)	ESF-DC1	Orange	View
ESF-120A02-AAB020	Energy Connector (Female)	120A	1000V	4AWG (25mm²)	ESF-DC1	Black	View
ESF-120A02-AAB040	Energy Connector (Female)	120A	1000V	4AWG (25mm²)	ESF-DC1	Black	View
ESF-120A02-AAO020	Energy Connector (Female)	120A	1000V	4AWG (25mm²)	ESF-DC1	Orange	View
ESF-120A02-AAO040	Energy Connector (Female)	120A	1000V	4AWG (25mm²)	ESF-DC1	Orange	View
ESF-120A02-ADB020	Energy Connector (Female)	120A	1000V	4AWG (25mm²)	ESF-DC1	Black	View
ESF-120A02-ADB040	Energy Connector (Female)	120A	1000V	4AWG (25mm²)	ESF-DC1	Black	View
ESF-120A02-ADO020	Energy Connector (Female)	120A	1000V	4AWG (25mm²)	ESF-DC1	Orange	View
ESF-120A02-ADO040	Energy Connector (Female)	120A	1000V	4AWG (25mm²)	ESF-DC1	Orange	View
ESF-200A02-AAB020	Energy Connector (Female)	200A	1500V	1/0AWG (50mm²)	ESF-DC2	Black	View
ESF-200A02-AAB040	Energy Connector (Female)	200A	1500V	1/0AWG (50mm²)	ESF-DC2	Black	View
ESF-200A02-AAO020	Energy Connector (Female)	200A	1500V	1/0AWG (50mm²)	ESF-DC2	Orange	View
ESF-200A02-AAO040	Energy Connector (Female)	200A	1500V	1/0AWG (50mm²)	ESF-DC2	Orange	View
ESF-200A02-ADB020	Energy Connector (Female)	200A	1500V	1/0AWG (50mm²)	ESF-DC2	Black	View
ESF-200A02-ADB040	Energy Connector (Female)	200A	1500V	1/0AWG (50mm²)	ESF-DC2	Black	View
ESF-200A02-ADO020	Energy Connector (Female)	200A	1500V	1/0AWG (50mm²)	ESF-DC2	Orange	View
ESF-200A02-ADO040	Energy Connector (Female)	200A	1500V	1/0AWG (50mm²)	ESF-DC2	Orange	View
ESF-250A02-AAB020	Energy Connector (Female)	250A	1500V	2/0AWG (70mm²)	ESF-DC2	Black	View
ESF-250A02-AAB040	Energy Connector (Female)	250A	1500V	2/0AWG (70mm²)	ESF-DC2	Black	View
ESF-250A02-AAO020	Energy Connector (Female)	250A	1500V	2/0AWG (70mm²)	ESF-DC2	Orange	View
ESF-250A02-AAO040	Energy Connector (Female)	250A	1500V	2/0AWG (70mm²)	ESF-DC2	Orange	View
ESF-250A02-ADB020	Energy Connector (Female)	250A	1500V	2/0AWG (70mm²)	ESF-DC2	Black	View
ESF-250A02-ADB040	Energy Connector (Female)	250A	1500V	2/0AWG (70mm²)	ESF-DC2	Black	View
ESF-250A02-ADO020	Energy Connector (Female)	250A	1500V	2/0AWG (70mm²)	ESF-DC2	Orange	View
ESF-250A02-ADO040	Energy Connector (Female)	250A	1500V	2/0AWG (70mm²)	ESF-DC2	Orange	View
ESF-300A02-AAB020	Energy Connector (Female)	300A	1500V	95mm²	ESF-DC3	Black	View
ESF-300A02-AAB040	Energy Connector (Female)	300A	1500V	95mm²	ESF-DC3	Black	View
ESF-300A02-AAO020	Energy Connector (Female)	300A	1500V	95mm²	ESF-DC3	Orange	View
ESF-300A02-AAO040	Energy Connector (Female)	300A	1500V	95mm²	ESF-DC3	Orange	View
ESF-300A02-ADB020	Energy Connector (Female)	300A	1500V	95mm²	ESF-DC3	Black	View
ESF-300A02-ADB040	Energy Connector (Female)	300A	1500V	95mm²	ESF-DC3	Black	View
ESF-300A02-ADO020	Energy Connector (Female)	300A	1500V	95mm²	ESF-DC3	Orange	View
ESF-300A02-ADO040	Energy Connector (Female)	300A	1500V	95mm²	ESF-DC3	Orange	View
ESF-350A02-AAB020	Energy Connector (Female)	350A	1500V	4/0AWG	ESF-DC3	Black	View
ESF-350A02-AAB040	Energy Connector (Female)	350A	1500V	4/0AWG	ESF-DC3	Black	View
ESF-350A02-AAO020	Energy Connector (Female)	350A	1500V	4/0AWG	ESF-DC3	Orange	View

PART NUMBER	PRODUCT TYPE	CURRENT RATING	VOLTAGE RATING	CABLE GAUGE	COMPATIBLE DUST COVER	COLOR	PRODUCT DATA
ESF-350A02-AAO040	Energy Connector (Female)	350A	1500V	4/0AWG	ESF-DC3	Orange	View
ESF-350A02-ADB020	Energy Connector (Female)	350A	1500V	4/0AWG	ESF-DC3	Black	View
ESF-350A02-ADB040	Energy Connector (Female)	350A	1500V	4/0AWG	ESF-DC3	Black	View
ESF-350A02-ADO020	Energy Connector (Female)	350A	1500V	4/0AWG	ESF-DC3	Orange	View
ESF-350A02-ADO040	Energy Connector (Female)	350A	1500V	4/0AWG	ESF-DC3	Orange	View
ESF-DC1	Dust Cover	N/A	N/A	N/A	N/A	N/A	View
ESF-DC2	Dust Cover	N/A	N/A	N/A	N/A	N/A	View
ESF-DC3	Dust Cover	N/A	N/A	N/A	N/A	N/A	View
ESF-XXXA02-XXXXXX	Energy Connector (Female)	N/A	N/A	N/A	N/A	N/A	View
ESM-090A02-AAB	Energy Connector (Male)	90A	1000V	6AWG (16mm²)	N/A	Black	View
ESM-090A02-AAO	Energy Connector (Male)	90A	1000V	6AWG (16mm²)	N/A	Orange	View
ESM-090A02-ADB	Energy Connector (Male)	90A	1000V	6AWG (16mm²)	N/A	Black	View
ESM-090A02-ADO	Energy Connector (Male)	90A	1000V	6AWG (16mm²)	N/A	Orange	View
ESM-120A02-AAB	Energy Connector (Male)	120A	1000V	4AWG (25mm²)	N/A	Black	View
ESM-120A02-AAO	Energy Connector (Male)	120A	1000V	4AWG (25mm²)	N/A	Orange	View
ESM-120A02-ADB	Energy Connector (Male)	120A	1000V	4AWG (25mm²)	N/A	Black	View
ESM-120A02-ADO	Energy Connector (Male)	120A	1000V	4AWG (25mm²)	N/A	Orange	View
ESM-200A02-AAB	Energy Connector (Male)	200A	1500V	1/0AWG (50mm²)	N/A	Black	View
ESM-200A02-AAO	Energy Connector (Male)	200A	1500V	1/0AWG (50mm²)	N/A	Orange	View
ESM-200A02-ADB	Energy Connector (Male)	200A	1500V	1/0AWG (50mm²)	N/A	Black	View
ESM-200A02-ADO	Energy Connector (Male)	200A	1500V	1/0AWG (50mm²)	N/A	Orange	View
ESM-250A02-AAB	Energy Connector (Male)	250A	1500V	2/0AWG (70mm²)	N/A	Black	View
ESM-250A02-AAO	Energy Connector (Male)	250A	1500V	2/0AWG (70mm²)	N/A	Orange	View
ESM-250A02-ADB	Energy Connector (Male)	250A	1500V	2/0AWG (70mm²)	N/A	Black	View
ESM-250A02-ADO	Energy Connector (Male)	250A	1500V	2/0AWG (70mm²)	N/A	Orange	View
ESM-300A02-AAB	Energy Connector (Male)	300A	1500V	95mm²	N/A	Black	View
ESM-300A02-AAO	Energy Connector (Male)	300A	1500V	95mm²	N/A	Orange	View
ESM-300A02-ADB	Energy Connector (Male)	300A	1500V	95mm²	N/A	Black	View
ESM-300A02-ADO	Energy Connector (Male)	300A	1500V	95mm²	N/A	Orange	View
ESM-350A02-AAB	Energy Connector (Male)	350A	1500V	4/0AWG	N/A	Black	View
ESM-350A02-AAO	Energy Connector (Male)	350A	1500V	4/0AWG	N/A	Orange	View
ESM-350A02-ADB	Energy Connector (Male)	350A	1500V	4/0AWG	N/A	Black	View
ESM-350A02-ADO	Energy Connector (Male)	350A	1500V	4/0AWG	N/A	Orange	View
ESM-XXXA02-XXX	Energy Connector (Male)	N/A	N/A	N/A	N/A	N/A	View

Board Level Heat Sinks

Adam Tech's Board Level Heat Sinks ensure optimal device performance by efficiently dissipating heat generated by components on a device's PCB (printed circuit boards). Composed of aluminum, a highly thermally conductive material, they effectively transfer heat by radiating it into the air, cooling the device. Their large, finned surface area enhances airflow for natural convection heat dissipation, making them ideal for applications requiring temperature regulation. Their lightweight, compact design makes them perfect for applications with limited space, and suitable for common TO-220, TO-247 and SOT-32 component packages. With customizable options and easy installation methods, Adam Tech's board level heat sinks offer a cost-effective solution for improving thermal performance in various electronic devices.



FEATURES & SPECIFICATIONS

FEATURES:

Extruded and stamped types
Suitable For TO-220, TO-247, and SOT-32 packaged components
Vertical PCB mounting options: M2.5 screw, M3 screw, and solder pins
Mounts directly to component
Various sizes to meet cooling requirements
Maximizes heat transfer and enhances cooling efficiency
Easy installation

SPECIFICATIONS:

Material:
Aluminum 6063

Surface Finish:
Black anodized

Thermal Resistance:
18-30° C/watt

PART NUMBER	TYPE	COMPONENT PACKAGE	LENGTH	HEIGHT	WIDTH	PRODUCT DATA
HSK-043-01	Extruded	TO-220	20mm	17.5mm	16mm	View
HSK-043-02	Extruded	TO-220	25mm	17.5mm	16mm	View
HSK-043-03	Extruded	TO-220	38mm	17.5mm	16mm	View
HSK-043-04	Extruded	TO-220	50mm	17.5mm	16mm	View
HSK-044-01	Extruded	TO-220	20mm	17.5mm	16mm	View
HSK-044-02	Extruded	TO-220	25mm	17.5mm	16mm	View
HSK-044-03	Extruded	TO-220	38mm	17.5mm	16mm	View
HSK-044-04	Extruded	TO-220	50mm	17.5mm	16mm	View
HSK-045-01	Extruded	TO-220	25mm	18.5mm	22.8mm	View
HSK-045-02	Extruded	TO-220	38mm	18.5mm	22.8mm	View
HSK-045-03	Extruded	TO-220	50mm	18.5mm	22.8mm	View
HSK-045-04	Extruded	TO-220	63mm	18.5mm	22.8mm	View
HSK-045-05	Extruded	TO-220	75mm	18.5mm	22.8mm	View
HSK-045-06	Extruded	TO-247	38mm	21.5mm	22.8mm	View
HSK-045-07	Extruded	TO-247	50mm	21.5mm	22.8mm	View
HSK-045-08	Extruded	TO-247	63mm	21.5mm	22.8mm	View
HSK-045-09	Extruded	TO-247	75mm	21.5mm	22.8mm	View
HSK-046-01	Extruded	TO-220	25mm	18.5mm	22.8mm	View
HSK-046-02	Extruded	TO-220	38mm	18.5mm	22.8mm	View
HSK-046-03	Extruded	TO-220	50mm	18.5mm	22.8mm	View
HSK-046-04	Extruded	TO-220	63mm	18.5mm	22.8mm	View
HSK-046-05	Extruded	TO-220	75mm	18.5mm	22.8mm	View
HSK-046-06	Extruded	TO-247	38mm	21.5mm	22.8mm	View
HSK-046-07	Extruded	TO-247	50mm	21.5mm	22.8mm	View
HSK-046-08	Extruded	TO-247	63mm	21.5mm	22.8mm	View
HSK-046-09	Extruded	TO-247	75mm	21.5mm	22.8mm	View
HSK-047-01	Extruded	TO-220	25mm	18.5mm	34.8mm	View
HSK-047-02	Extruded	TO-220	38mm	18.5mm	34.8mm	View
HSK-047-03	Extruded	TO-220	50mm	18.5mm	34.8mm	View
HSK-047-04	Extruded	TO-220	63mm	18.5mm	34.8mm	View

PART NUMBER	TYPE	COMPONENT PACKAGE	LENGTH	HEIGHT	WIDTH	PRODUCT DATA
HSK-047-05	Extruded	TO-220	75mm	18.5mm	34.8mm	View
HSK-047-06	Extruded	TO-247	38mm	21.5mm	34.8mm	View
HSK-047-07	Extruded	TO-247	50mm	21.5mm	34.8mm	View
HSK-047-08	Extruded	TO-247	63mm	21.5mm	34.8mm	View
HSK-047-09	Extruded	TO-247	75mm	21.5mm	34.8mm	View
HSK-048-01	Extruded	TO-220	25mm	18.5mm	34.8mm	View
HSK-048-02	Extruded	TO-220	38mm	18.5mm	34.8mm	View
HSK-048-03	Extruded	TO-220	50mm	18.5mm	34.8mm	View
HSK-048-04	Extruded	TO-220	63mm	18.5mm	34.8mm	View
HSK-048-05	Extruded	TO-220	75mm	18.5mm	34.8mm	View
HSK-048-06	Extruded	TO-247	38mm	21.5mm	34.8mm	View
HSK-048-07	Extruded	TO-247	50mm	21.5mm	34.8mm	View
HSK-048-08	Extruded	TO-247	63mm	21.5mm	34.8mm	View
HSK-048-09	Extruded	TO-247	75mm	21.5mm	34.8mm	View
HSK-049-01	Extruded	TO-220	25mm	18.5mm	42mm	View
HSK-049-02	Extruded	TO-220	38mm	18.5mm	42mm	View
HSK-049-03	Extruded	TO-220	50mm	18.5mm	42mm	View
HSK-049-04	Extruded	TO-220	63mm	18.5mm	42mm	View
HSK-049-05	Extruded	TO-220	75mm	18.5mm	42mm	View
HSK-049-06	Extruded	TO-247	38mm	21.5mm	42mm	View
HSK-049-07	Extruded	TO-247	50mm	21.5mm	42mm	View
HSK-049-08	Extruded	TO-247	63mm	21.5mm	42mm	View
HSK-049-09	Extruded	TO-247	75mm	21.5mm	42mm	View
HSK-050-01	Extruded	TO-220	25mm	18.5mm	42mm	View
HSK-050-02	Extruded	TO-220	38mm	18.5mm	42mm	View
HSK-050-03	Extruded	TO-220	50mm	18.5mm	42mm	View
HSK-050-04	Extruded	TO-220	63mm	18.5mm	42mm	View
HSK-050-05	Extruded	TO-220	75mm	18.5mm	42mm	View
HSK-050-06	Extruded	TO-247	38mm	21.5mm	42mm	View
HSK-050-07	Extruded	TO-247	50mm	21.5mm	42mm	View
HSK-050-08	Extruded	TO-247	63mm	21.5mm	42mm	View
HSK-050-09	Extruded	TO-247	75mm	21.5mm	42mm	View
HSK-051-01	Extruded	TO-220	20mm	17.5mm	15mm	View
HSK-051-02	Extruded	TO-220	25mm	17.5mm	15mm	View
HSK-051-03	Extruded	TO-220	30mm	17.5mm	15mm	View
HSK-051-04	Extruded	TO-220	35mm	17.5mm	15mm	View
HSK-051-05	Extruded	TO-220	40mm	17.5mm	15mm	View
HSK-053-01	Extruded	TO-220	25mm	18.5mm	44.5mm	View
HSK-053-02	Extruded	TO-220	38mm	18.5mm	44.5mm	View
HSK-053-03	Extruded	TO-220	50mm	18.5mm	44.5mm	View
HSK-053-04	Extruded	TO-220	63mm	18.5mm	44.5mm	View
HSK-053-05	Extruded	TO-220	75mm	18.5mm	44.5mm	View
HSK-053-06	Extruded	TO-247	38mm	21.5mm	44.5mm	View

PART NUMBER	TYPE	COMPONENT PACKAGE	LENGTH	HEIGHT	WIDTH	PRODUCT DATA
HSK-053-07	Extruded	TO-247	50mm	21.5mm	44.5mm	View
HSK-053-08	Extruded	TO-247	63mm	21.5mm	44.5mm	View
HSK-053-09	Extruded	TO-247	75mm	21.5mm	44.5mm	View
HSK-054-01	Extruded	TO-220	25mm	18.5mm	44.5mm	View
HSK-054-02	Extruded	TO-220	38mm	18.5mm	44.5mm	View
HSK-054-03	Extruded	TO-220	50mm	18.5mm	44.5mm	View
HSK-054-04	Extruded	TO-220	63mm	18.5mm	44.5mm	View
HSK-054-05	Extruded	TO-220	75mm	18.5mm	44.5mm	View
HSK-054-06	Extruded	TO-247	38mm	21.5mm	44.5mm	View
HSK-054-07	Extruded	TO-247	50mm	21.5mm	44.5mm	View
HSK-054-08	Extruded	TO-247	63mm	21.5mm	44.5mm	View
HSK-054-09	Extruded	TO-247	75mm	21.5mm	44.5mm	View
HSK-055-01	Extruded	TO-220	25mm	18.5mm	60.01mm	View
HSK-055-02	Extruded	TO-220	38mm	18.5mm	60.01mm	View
HSK-055-03	Extruded	TO-220	50mm	18.5mm	60.01mm	View
HSK-055-04	Extruded	TO-220	63mm	18.5mm	60.01mm	View
HSK-055-05	Extruded	TO-220	75mm	18.5mm	60.01mm	View
HSK-055-06	Extruded	TO-247	38mm	21.5mm	60.01mm	View
HSK-055-07	Extruded	TO-247	50mm	21.5mm	60.01mm	View
HSK-055-08	Extruded	TO-247	63mm	21.5mm	60.01mm	View
HSK-055-09	Extruded	TO-247	75mm	21.5mm	60.01mm	View
HSK-057-01	Extruded	TO-220	20mm	17.5mm	16mm	View
HSK-057-02	Extruded	TO-220	25mm	17.5mm	16mm	View
HSK-057-03	Extruded	TO-220	30mm	17.5mm	16mm	View
HSK-057-04	Extruded	TO-220	35mm	17.5mm	16mm	View
HSK-057-05	Extruded	TO-220	40mm	17.5mm	16mm	View
HSK-058-01	Extruded	TO-220	20mm	17.5mm	16mm	View
HSK-058-02	Extruded	TO-220	25mm	17.5mm	16mm	View
HSK-058-03	Extruded	TO-220	30mm	17.5mm	16mm	View
HSK-058-04	Extruded	TO-220	35mm	17.5mm	16mm	View
HSK-058-05	Extruded	TO-220	40mm	17.5mm	16mm	View
HSK-059-01	Extruded	TO-220	20mm	17.5mm	10mm	View
HSK-059-02	Extruded	TO-220	25mm	17.5mm	10mm	View
HSK-059-03	Extruded	TO-220	30mm	17.5mm	10mm	View
HSK-059-04	Extruded	TO-220	35mm	17.5mm	10mm	View
HSK-059-05	Extruded	TO-220	40mm	17.5mm	10mm	View
HSK-060-01	Extruded	TO-220	20mm	17.5mm	10mm	View
HSK-060-02	Extruded	TO-220	25mm	17.5mm	10mm	View
HSK-060-03	Extruded	TO-220	30mm	17.5mm	10mm	View
HSK-060-04	Extruded	TO-220	35mm	17.5mm	10mm	View
HSK-060-05	Extruded	TO-220	40mm	17.5mm	10mm	View
HSK-061	Stamped	TO-220/ SOT-32	18mm	8.5mm	26mm	View

PART NUMBER	TYPE	COMPONENT PACKAGE	LENGTH	HEIGHT	WIDTH	PRODUCT DATA
HSK-062	Stamped	TO-220	35mm	12.8mm	25mm	View
HSK-063	Stamped	TO-220/ SOT-32	33mm	10.5mm	25.5mm	View
HSK-064	Stamped	TO-220	30.5mm	12.5mm	25.4mm	View
HSK-065	Stamped	SOT-32	30.5mm	12.5mm	25.5mm	View
HSK-066	Stamped	TO-220	19mm	6.5mm	12.5mm	View
HSK-067	Stamped	TO-220	19mm	9.5mm	18.5mm	View
HSK-068	Stamped	TO-220	36.2mm	6.22mm	14.3mm	View
HSK-069	Stamped	TO-220	25mm	7mm	14.3mm	View

Adam Tech's Fiber Optic Transceivers transmit and receive data with speed and reliability. The offering includes SFP, SFP+, SFP28, QSFP+, and QSFP28 pluggable modules. With data rates ranging from 1.25G to 100G and transmissions between 10km and 100m, this product line covers a wide range of applications. Most of the offering is composed of single fiber bidirectional transceivers, whose paired A and B parts transmit and receive in two different directions of the center wavelength to cooperatively achieve bi-directional transmission of optical signals on a fiber.

FEATURES & SPECIFICATIONS

FEATURES:

SFP, SFP+, SFP28, QSFP+, & QSFP28 modules
Data rates: 1.25G, 10G, 25G, 40G, & 100G
Transmissions: 10km, 20km, 40km, & 100M
Center wavelengths: 850nm, 1310nm, 1270T/1330R, 1330T/1270R, 1310T/1550R, & 1550T/1310R
Single fiber bidirectional
RoHS compliant

APPLICATIONS:

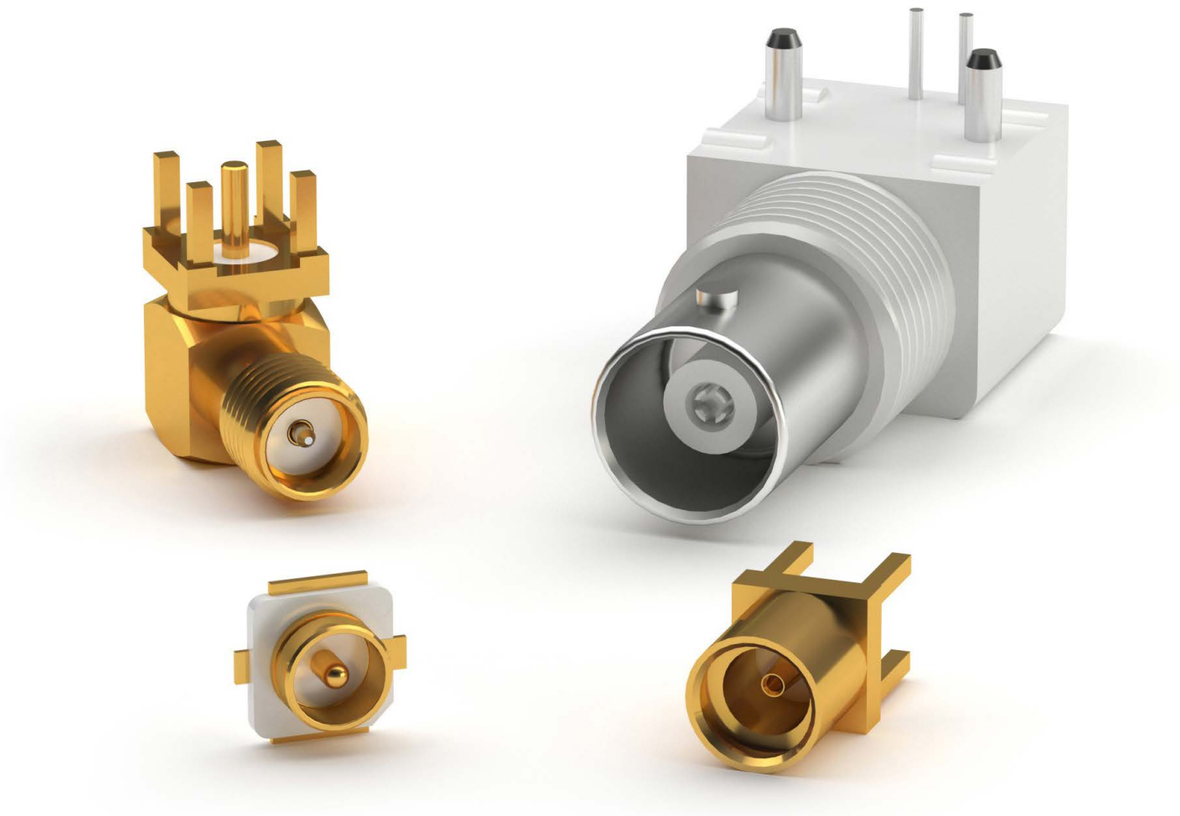
Ethernet
Fiber channel
Wireless
Firewalls
Routers
High-bandwidth data communications

PART NUMBER	TYPE	SPEED	TRANSMISSION RANGE	CENTER WAVELENGTH	BIDIRECTIONAL (BIDI)	PRODUCT DATA
TVASFPBD-X-X	SFP	1.25G	10-20km	1310/1550nm	Yes	View
TVASFPSM-X	SFP	1.25G	10-20km	1310nm	No	View
TVBSFPPBD-X-X	SFP+	10G	10-40km	1270/1330nm	Yes	View
TVCSFP28BD-X-X	SFP28	25G	10km	1270/1330nm	Yes	View
TVDQSFPPSR4-1	QSFP+	40G	100m	850nm	No	View
TVEQSFP28SR4-1	QSFP28	100G	100m	850nm	No	View

CASE STUDY

Transceivers are commonly utilized in servers, as seen above, to transmit and receive fiber optic signals.

Adam Tech's RF connector series are a comprehensive assortment of Radio Frequency Signal Connectors in standard, miniature, subminiature, micro miniature, and surface mount styles. Included are BNC, TNC, FME, FMA, SMA, SMB, N, F, PAL, UHF, Mini UHF, MCX, MMCX, MHF, W.FL, & 1.6/5.6 coupling versions. Each has a standard industry interface. Most are ideal for applications where size and weight are important in densely populated applications. All afford excellent RF characteristics.



FEATURES & SPECIFICATIONS

FEATURES:
Bodies available with gold or nickel plating
Insulators available in Teflon, Delrin, and Polypropylene
Standard availability of 50 or 75 ohms impedance
Through hole and SMT types for printed circuit board versions
Male and female types available in bulkhead and cable mount versions

MATING CONNECTORS:
Adam Tech RF series connectors and all industry Standard RF connectors

PACKAGING:
Anti-ESD plastic trays or bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Housing: Brass, Nickel plated
Zinc diecast, Nickel plated
Standard Insulators: Delrin, Polypropylene or Teflon
Optional Hi-Temp Insulator: Teflon
Contacts: Beryllium copper, Gold plated

Electrical:
Operating voltage: 150V AC max.
Contact resistance: 5 mΩ max. initial
Impedance: 50 or 75 ohms
Insulation resistance: 5000 M min.
Dielectric withstanding voltage: 1000V AC for 1 minute
VSWR: 1.2 max
Frequency range: 0 – 6 GHZ

Mechanical:
Engagement force: 4.5 lbs max
Disengagement force: 2 lbs min
Cable retention: equal to breaking strength of cable employed
Durability: 500 cycles

Temperature Rating:
Operating temperature: -20°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

RF	- 1	- 01	- D	- 01	- 50
SERIES	**STYLE**	**TYPE**	**INSULATOR MATERIAL**	**CABLE TYPE OR APPLICATION**	**IMPEDENCE**
RF = *RF Connector*	**1** = *BNC* **2** = *SMA* **3** = *SMB* **4** = *F* **5** = *N* **6** = *UHF* **7** = *TNC* **8** = *FME* **9** = *Mini UHF* **11** = *MCX* **12** = *MMCX* **20** = *MHF* **28** = *W. FL*	**01** *thru* **99**	**T** = *Teflon* **D** = *Delrin* **P** = *Polypropylene*	**00** = *PCB Mount* **01** = *55U/58/58A/58C/140U/141/141A/142U/223U/303* **02** = *174U/188A/316U* **03** = *179U/187U* **04** = *59/59A/59B/62/62AU/62B/62C/210* **05** = *RG 6/U* **06** = *RG 213/U* **07** = *.141-Semi-Rigid* **08** = *.085/.086-Semi-Rigid* **AS** = *Adapter or Splitter*	**50** = *50 Ohms* **75** = *75 Ohms*

OPTIONS

Add as suffix to basic part no.
HT = *Hi-Temp insulator for hi-temp soldering processes up to 260°C*
G = *Gold plated body and contact*

W. FL

RF28-05-L-00-50-G

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF-28-02-T-81-50-G-TR	W. FL	Teflon	50 ohms				View
RF28-01-T-00-50-G	W. FL	Teflon	50 ohms	PCB Mount			View

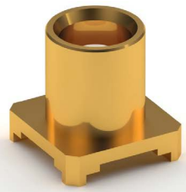
MMCX

RF12-07-T-00-50-G

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF12-04-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount		Male	View
RF12-05-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount		Female	View
RF12-05A-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-05A-T-00-50-G-TR	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-06-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			View
RF12-06-T-21-50-G	MMCX	Teflon	50 ohms				View
RF12-06A-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			View
RF12-07-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-07A-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-07B-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-07C-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-07D-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-07E-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-07H-T-00-50-G							View
RF12-08-T-21-50-G	MMCX	Teflon	50 ohms				View
RF12-08A-T-21-50-G	MMCX	Teflon	50 ohms				View
RF12-08B-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			View
RF12-09-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-10-T-21-50-G	MMCX	Teflon	50 ohms				View
RF12-13-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-15-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-15-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			View
RF12-16-T-02-50	MMCX	Teflon	50 ohms	174U/188A/316U			View

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF12-16U-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			View
RF12-17-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-20-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-21-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			View
RF12-25-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-25A-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-26-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-27-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-28-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-29-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-30-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-31-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-32-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-32B-T-00-50-G-TR	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-35-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-35-T-00-50-G-TR	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-35A-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-36-T-00-50-G-TR	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-40-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View
RF12-41-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			View

MCX



RF11-01-T-00-50

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF11-01-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount		Female	View
RF11-04-D-00-50-G	MCX	Delrin	50 ohms	PCB Mount			View
RF11-04-D-00-50-G-15	MCX	Delrin	50 ohms	PCB Mount			View
RF11-04-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			View
RF11-04-T-00-50-G-15	MCX	Teflon	50 ohms	PCB Mount			View
RF11-04-T-00-75-G	MCX	Teflon	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RF11-06-T-00-50-G	MCX	Teflon	50 ohms	RG 213/U			View
RF11-07-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			View
RF11-07-T-03-75-G	MCX	Teflon	75 ohms	179U/187U			View
RF11-07A-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			View
RF11-08-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			View
RF11-11-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			View
RF11-11-T-03-75-G	MCX	Teflon	75 ohms	179U/187U			View

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF11-11A-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			View
RF11-12-T-08-75-G	MCX	Teflon	75 ohms	.085/.086 Semi Rigid			View
RF11-13-T-21-50-G	MCX	Teflon	50 ohms				View
RF11-14-T-08-50-G	MCX	Teflon	50 ohms	.085/.086 Semi Rigid			View
RF11-15-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			View
RF11-16-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			View
RF11-17-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			View
RF11-17-T-00-50-G-TR	MCX	Teflon	50 ohms	PCB Mount			View
RF11-18-T-00-75-G	MCX	Teflon	75 ohms	PCB Mount			View
RF11-19-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			View
RF11-19A-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			View
RF11-19B-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			View
RF11-25-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			View
RF11-26-T-00-75-G	MCX	Teflon	75 ohms	PCB Mount			View
RF11-27-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			View
RF11-27A-T-00-50-G	MCX			PCB Mount			View
RF11-28-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			View
RF11-30-T-02-75-G	MCX	Teflon	75 ohms	174U/188A/316U			View
RF11-31-T-00-75-G	MCX	Teflon	75 ohms	PCB Mount			View
RF12-01-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			View

BNC

RF1-01A-D-00-75-M

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF1- 86-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RF1-01-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01-D-00-75-MC	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			View
RF1-01-P-00-50-BK	BNC	Polypropylene	50 ohms	PCB Mount			View
RF1-01-P-00-50-HDW	BNC	Polypropylene	50 ohms	PCB Mount			View
RF1-01-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01-P-00-75-M	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01-P-00-75-M-HDW	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01-P-00-75-WT-HDW	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01A-00-P-50-M	BNC	Polypropylene	50 ohms				View
RF1-01A-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF1-01A-D-00-50-WT	BNC	Delrin	50 ohms	PCB Mount			View
RF1-01A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01A-D-00-75-M	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01A-D-00-75-M-HDW	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01A-D-00-75-M-HT	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01A-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			View
RF1-01A-P-00-50-M	BNC	Polypropylene	50 ohms	PCB Mount			View
RF1-01A-P-00-50-M-HDW	BNC	Polypropylene	50 ohms	PCB Mount			View
RF1-01A-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01A-P-00-75-M	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01A-PP-00-50-FAC	BNC		50 ohms	PCB Mount			View
RF1-01A-PP-00-75-HDW	BNC		75 ohms	PCB Mount			View
RF1-01A-T-00-50	BNC	Teflon	50 ohms	PCB Mount			View
RF1-01B-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			View
RF1-01B-D-00-50-WT-HDW	BNC	Delrin	50 ohms	PCB Mount			View
RF1-01B-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01B-D-00-75-HDW	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01B-D-00-75-WT-HDW	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01C-D-00-75-HDW	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01D-D-00-75-MC	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01D-P-00-50-M	BNC	Delrin	50 ohms	PCB Mount			View
RF1-01D-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01D-P-00-75-M	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01D-P-00-75-M-HDW	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01E-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RF1-01E-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01F-D-00-75-HDW	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01G-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-01H-D-00-XX-BK-HDW	BNC	Delrin		PCB Mount			View
RF1-01H-D-00-XX-HDW	BNC	Delrin		PCB Mount			View
RF1-01H-D-00-XX-M-HDW	BNC	Polypropylene		PCB Mount			View
RF1-01K-D-00-50-BK-HDW	BNC			PCB Mount			View
RF1-01V-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RF1-01V-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			View
RF1-01V-P-00-50-M-HDW	BNC	Polypropylene	50 ohms	PCB Mount			View
RF1-01V-P-00-75-HDW	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01V-P-00-75-M	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-01V-P-00-75-WT-HDW	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-03-02-T-50	BNC	Teflon	50 ohms				View
RF1-03-A-04-75	BNC		75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RF1-03-D-01-50	BNC	Delrin	50 ohms				View
RF1-03-D-02-50	BNC	Delrin	50 ohms				View

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF1-03-D-03-75	BNC	Delrin	75 ohms				View
RF1-03-D-04-75	BNC	Delrin	75 ohms				View
RF1-03-D-05-75	BNC	Delrin	75 ohms	RG 6/U			View
RF1-03-D-20-50	BNC	Delrin	50 ohms				View
RF1-03-P-02-50	BNC	Polypropylene	50 ohms	174U/188A/316U			View
RF1-03-P-59-50	BNC	Polypropylene	50 ohms				View
RF1-03-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			View
RF1-03-T-03-75	BNC	Teflon	75 ohms	179U/187U			View
RF1-03-T-04-XX	BNC	Teflon		59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RF1-03-T-05-75	BNC	Teflon	75 ohms	RG 6/U			View
RF1-03-T-20-50	BNC	Teflon	50 ohms				View
RF1-03A-T-02-75	BNC	Teflon	75 ohms	174U/188A/316U			View
RF1-03B-D-02-50	BNC	Delrin	50 ohms	174U/188A/316U			View
RF1-04-T-01-50	BNC	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RF1-04-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			View
RF1-04-T-03-75	BNC	Teflon	75 ohms	179U/187U			View
RF1-04-T-04-75	BNC	Teflon	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RF1-04-T-21-50	BNC	Teflon	50 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RF1-04A-D-02-50	BNC	Delrin	50 ohms	174U/188A/316U			View
RF1-06-D-AS-50	BNC	Delrin	50 ohms	Adapter or Splitter			View
RF1-06-D-XX-50	BNC	Delrin	50 ohms				View
RF1-07-T-00-50	BNC	Teflon	50 ohms	PCB Mount			View
RF1-07-T-00-75	BNC	Teflon	75 ohms	PCB Mount		Female	View
RF1-07A-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View
RF1-07B-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View
RF1-07C-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View
RF1-08-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			View
RF1-08-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-08-D-14-50-G	BNC	Delrin	50 ohms				View
RF1-08-T-14-50	BNC	Teflon	50 ohms				View
RF1-08A-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			View
RF1-100-P-00-75-HDW	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-101-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-105-T-00-75-G	BNC	Teflon	75 ohms	PCB Mount			View
RF1-106-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			View
RF1-106-D-00-75-HDW	BNC	Delrin	75 ohms	PCB Mount			View
RF1-107-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RF1-108-T-00-50	BNC	Teflon	50 ohms	PCB Mount			View
RF1-108-T-00-50-GP	BNC	Teflon	50 ohms	PCB Mount			View
RF1-108-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF1-108A-T-00-75-HDW	BNC	Teflon	75 ohms	PCB Mount			View
RF1-109-T-01-50	BNC	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RF1-11-T-00-50	BNC	Teflon	50 ohms	PCB Mount			View
RF1-11-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View
RF1-120-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RF1-120-D-00-50-RA	BNC	Delrin	50 ohms	PCB Mount			View
RF1-120A-D-00-75-RA	BNC	Delrin	75 ohms	PCB Mount			View
RF1-125-T-AS-75	BNC	Teflon	75 ohms				View
RF1-126-T-AS-75	BNC	Teflon	75 ohms				View
RF1-127-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-127A-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RF1-127A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-128-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-128A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-129-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-129A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-13-D-01-50-G	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RF1-130-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-131-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-132-D-03-75	BNC	Delrin	75 ohms	179U/187U			View
RF1-133-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View
RF1-134-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-134A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-140-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-15-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RF1-15-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-15-D-00-75-50	BNC	Delrin	75 ohms	PCB Mount			View
RF1-17-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RF1-17-D-05-75	BNC	Delrin	75 ohms	RG 6/U			View
RF1-18-D-14-50	BNC	Delrin	50 ohms				View
RF1-19-D-03-75	BNC	Delrin	75 ohms	179U/187U			View
RF1-19-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			View
RF1-22-D-XX-50	BNC	Delrin	50 ohms				View
RF1-22-D-XX-75	BNC	Delrin	75 ohms				View
RF1-23-D-XX-50	BNC	Delrin	50 ohms				View
RF1-23-D-XX-75	BNC	Delrin	75 ohms				View
RF1-23-T-XX-50	BNC	Teflon	50 ohms				View
RF1-23A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RF1-23A-D-XX-50	BNC	Delrin	50 ohms				View
RF1-26-T-01-50	BNC	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RFI-26-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			View
RFI-26-T-03-75	BNC	Teflon	75 ohms	179U/187U			View
RFI-26A-P-01-75	BNC	Polypropylene	75 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-26A-P-04-75	BNC	Polypropylene	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RFI-26A-P-05-75	BNC	Polypropylene	75 ohms	RG 6/U			View
RFI-27-P-00-75-BLK	BNC	Polypropylene	75 ohms	PCB Mount			View
RFI-27-P-00-75-WT	BNC	Polypropylene	75 ohms	PCB Mount			View
RFI-28A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RFI-28A-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View
RFI-29-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RFI-29-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RFI-29-T-00-50	BNC	Teflon	50 ohms	PCB Mount			View
RFI-29-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View
RFI-29A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RFI-30-D-XX-50	BNC	Delrin	50 ohms				View
RFI-31-D-XX-75	BNC	Delrin	75 ohms				View
RFI-34-D-XX-75	BNC	Delrin	75 ohms				View
RFI-35-T-00-50	BNC	Teflon	50 ohms	PCB Mount			View
RFI-36-P-04-75	BNC	Polypropylene	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RFI-36-P-05-75	BNC	Polypropylene	75 ohms	RG 6/U			View
RFI-39-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-39-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RFI-41-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-42-D-00-75-M-HDW	BNC	Delrin	75 ohms	PCB Mount			View
RFI-42-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			View
RFI-42-P-00-50-HT	BNC	Polypropylene	50 ohms	PCB Mount	Hi Temp Insulator		View
RFI-43-T-30-75	BNC	Teflon	75 ohms				View
RFI-44-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RFI-44-D-AS-50-HDW	BNC	Delrin	50 ohms	Adapter or Splitter			View
RFI-44-D-AS-75-HDW	BNC	Delrin	75 ohms	Adapter or Splitter			View
RFI-45-T-00-50	BNC	Teflon	50 ohms	PCB Mount			View
RFI-46-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			View
RFI-47-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			View
RFI-48-D-AS-50-HDW	BNC	Delrin	50 ohms	Adapter or Splitter			View
RFI-48-D-AS-75-HDW	BNC	Delrin	75 ohms	Adapter or Splitter			View
RFI-48-T-XX-75	BNC	Teflon	75 ohms				View
RFI-49-T-00-50	BNC	Teflon	50 ohms	PCB Mount			View
RFI-49-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RFI-50-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-50-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RFI-50-D-05-75	BNC	Delrin	75 ohms	RG 6/U			View
RFI-50-D-21-50	BNC	Delrin	50 ohms				View
RFI-50A-D-21-50	BNC	Delrin	50 ohms				View
RFI-51-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			View
RFI-53-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RFI-53-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			View
RFI-54-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-54-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RFI-59-D-AS-50	BNC	Delrin	50 ohms	Adapter or Splitter			View
RFI-60-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RFI-61-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-61-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RFI-62-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-63-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-64-D-02-50	BNC	Delrin	50 ohms	174U/188A/316U			View
RFI-65-D-02-50	BNC	Delrin	50 ohms	174U/188A/316U			View
RFI-66-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RFI-66-T-00-50	BNC	Teflon	50 ohms	PCB Mount			View
RFI-68-P-01-50	BNC	Polypropylene	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-79-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			View
RFI-83-T-04-75	BNC	Teflon	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RFI-84-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RFI-84-T-00-50-HDW	BNC	Teflon	50 ohms	PCB Mount			View
RFI-85-D-00-75	BNC	Delrin	75 ohms	PCB Mount			View
RFI-89-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View
RFI-91-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RFI-91-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			View
RFI-92-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			View
RFI-92-T-03-75	BNC	Teflon	75 ohms	179U/187U			View
RFI-94-D-00-50	BNC	Delrin	50 ohms	PCB Mount			View
RFI-95-T-00-75	BNC	Teflon	75 ohms	PCB Mount			View
RFI-95-T-00-75-MC	BNC	Teflon	75 ohms	PCB Mount			View
RFI-95A-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			View

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF1-96-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			View
RF1-96A-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			View
RF1-97-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			View
RF1-97-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			View
RF1-98-T-00-75-G-HDW-HT	BNC	Teflon	75 ohms	PCB Mount			View
RF1-98-T-00-75-G-HDW-HT-L	BNC	Teflon	75 ohms	PCB Mount			View
RF1-98-T-00-75-G-HDW-HT-M	BNC	Teflon	75 ohms	PCB Mount			View
RF1-98A-T-00-75-G-HDW-HT-L	BNC	Teflon	75 ohms	PCB Mount			View
RF1-99-D-AS-50	BNC	Delrin	50 ohms	Adapter or Splitter			View
RF11-11-T-01-50-G	BNC	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View

SMA

RF2-01-T-02-50-G

RF2-03-T-00-50-G

RF2-06A-T-02-50-G

RF2-04-T-00-50-G

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF2-01-T-02-50-G	SMA	Teflon	50 ohms	174U/188A/316U			View
RF2-01-T-07-50-G	SMA	Teflon	50 ohms	.141 Semi Rigid			View
RF2-01-T-08-50-G	SMA	Teflon	50 ohms	.085/.086 Semi Rigid			View
RF2-01A-02-50-G	SMA		50 ohms	174U/188A/316U			View
RF2-02-D-02-50	SMA	Delrin	50 ohms	174U/188A/316U			View
RF2-02-T-01-50-G	SMA	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			View
RF2-02-T-02-50-G	SMA	Teflon	50 ohms	174U/188A/316U		Male	View
RF2-02-T-08-50-G	SMA	Teflon	50 ohms	.085/.086 Semi Rigid			View
RF2-02-T-21-50-G	SMA	Teflon	50 ohms				View
RF2-02B-T-02-50-G	SMA	Teflon	50 ohms	174U/188A/316U			View
RF2-03-T-00-50	SMA	Teflon	50 ohms	PCB Mount			View
RF2-03-T-00-50-G	SMA	Teflon	50 ohms	PCB Mount			View
RF2-03-T-00-50-G-10	SMA	Teflon	50 ohms	PCB Mount			View

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF2-03-T-00-50-G-RP	SMA	Teflon	50 ohms	179U/187U			View
RF2-03-T-00-75-G	SMA	Teflon	75 ohms	PCB Mount			View
RF2-03A-T-00-50-G	SMA	Teflon	50 ohms	PCB Mount			View
RF2-03B-T-00-50	SMA	Teflon	50 ohms	PCB Mount			View
RF2-03B-T-00-50-G	SMA	Teflon	50 ohms	PCB Mount			View
RF2-03B-T-00-50-G-RP	SMA	Teflon	50 ohms	PCB Mount			View
RF2-03C-T-00-50-G-RP	SMA	Teflon	50 ohms	PCB Mount			View
RF2-03D-T-00-50-G	SMA	Teflon	50 ohms	PCB Mount			View
RF2-03E-T-00-50-G	SMA	Teflon	50 ohms	PCB Mount			View
RF2-03N-T-00-50-G-RP	SMA	Teflon	50 ohms	PCB Mount		Male	View
RF2-04-T-00-50-G	SMA	Teflon	50 ohms	PCB Mount			View
RF2-04A-T-00-50-G	SMA						View
RF2-05-T-08-50-G	SMA	Teflon	50 ohms	PCB Mount			View
RF2-06-T-02-50-G	SMA	Teflon	50 ohms	174U/188A/316U		Female	View
RF2-06A-T-02-50-G	SMA						View
RF2-06A-T-21-50-G	SMA		50 ohms				View
RF2-100D-T-00-50-G-HDW-RP	SMA	Teflon	50 ohms	PCB Mount		Male	View
RF2-143-T-17-50-G	SMA		50 ohms	PCB Mount		Female	View
RF2-145A-T-17-50-G-HDW	SMA						View
RF2-152-T-00-50-G-HDW	SMA		50 ohms	PCB Mount			View
RF2-153-T-02-50-G	SMA		50 ohms				View
RF2-154-T-17-50-G	SMA		50 ohms				View
RF2-155-T-00-50-G	SMA		50 ohms				View
RF2-156-T-00-50-G	SMA		50 ohms				View
RF2-19A-T-00-50-G	SMA		50 ohms				View
RF2-44A-T-00-50-G	SMA		50 ohms				View
RF2-44B-T-00-50-G	SMA		50 ohms				View
RF2-49B-T-00-50-G-HDW	SMA		50 ohms	PCB Mount			View

MHF

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF20-01-P-00-50-G	MHF	Polypropylene	50 ohms	PCB Mount			View

UHF

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF9-01-D-01-50	UHF	Delrin	50 ohms				View

TNC

RF1-07-T-00-75

RF7-01-D-02-50

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF7-01-D-02-50	TNC	Delrin	50 ohms	174U/188A/316U		Male	View
RF7-08-T-20-50	TNC	Teflon	50 ohms	174U/188A/316U		Female	View
RF7-11-T-02-50	TNC	Teflon	50 ohms				View

Mini UHF

RF4-02-T-AS-75

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF13-01-T-00-50		Teflon	50 ohms	PCB Mount			View
RF13-02-T-AS-50-HDW		Teflon	50 ohms	Adapter or Splitter			View
RF13-03-T-AS-50		Teflon	50 ohms	Adapter or Splitter			View
RF20-01B-L-00-50-G-T/R							View
RF20-10A-L-00-50-G-T/R							View
RF4-89-X-05-75			75 ohms				View

FME

RF8-01-T-01-50-G

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF8-01-T-00-50	FME	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303		Male	View

N

RF5-01-D-01-50

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF5-01-T-01-50	N		50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303		Male	View
RF5-02-D-01-50	N	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303		Female	View

F

RF4-01-T-00-75

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF4-01-T-00-75	F	Teflon	75 ohms	PCB Mount		Female	View
RF4-02-D-AS-75	F	Teflon	75 ohms	Adapter or Splitter		Male	View

SMB

RF3-04-T-00-50-G

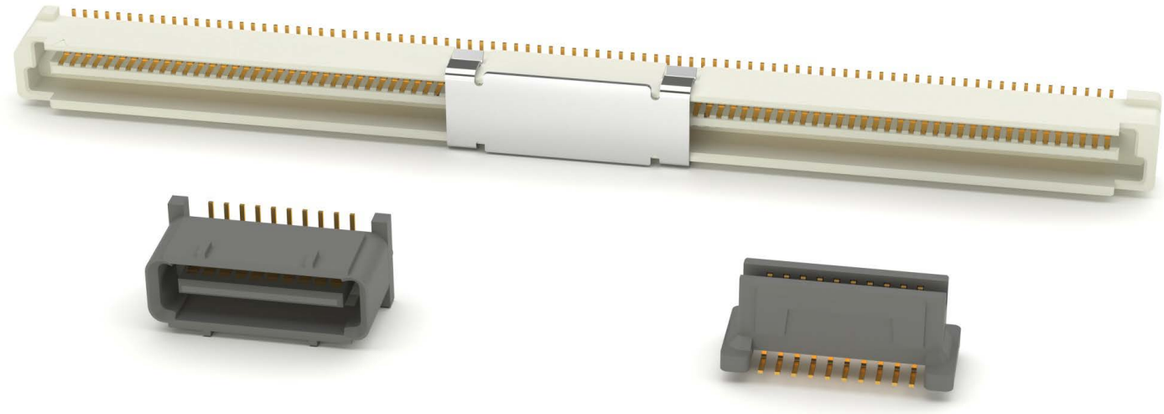
RF3-06-T-00-50-G

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF3-01-T-01-50-G	SMB	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303		Male	View
RF3-02-T-08-50-G	SMB		50 ohms				View
RF3-03-T-03-75-G	SMB	Teflon	75 ohms	179U/187U		Male	View
RF3-04-T-00-50-G	SMB	Teflon	50 ohms	PCB Mount		Male	View
RF3-04A-T-00-50-G	SMB			PCB Mount			View
RF3-05-T-00-50-G	SMB	Teflon	50 ohms	PCB Mount		Male	View
RF3-06-T-00-50-G	SMB	Teflon	50 ohms	PCB Mount		Female	View
RF3-15-T-00-50-G	SMB		50 ohms			Female	View
RF3-45-T-00-50-G-HDW	SMB	Teflon	50 ohms				View
RF3-46-T-00-50-G	SMB			PCB Mount			View
RF3-47-T-17-50-G	SMB		50 ohms	PCB Mount			View
RF55-34X-T-02-50-G-SH	SMB		50 ohms				View

Board to Board & High Speed Board to Board

0.3mm, 0.4mm, 0.5mm, 0.635mm, 0.8mm & 1.00mm MALE & FEMALE SET

Adam Tech manufactures a wide range of application specific board stacking connectors which were designed and built to specific customer requirements. Our experienced staff has developed custom products in a variety of contact styles, pitches and stacking heights. Our designs range from new concepts to duplicating existing market products identically or with improvements. Many designs are produced using automated manufacturing processes to increase reliability and provide significant cost savings.



FEATURES & SPECIFICATIONS

FEATURES:
Designed for Multiple board stacking heights
Common pin counts can be tooled
Hi-Temp material designs
High reliability precision formed contact designs

PACKAGING:
Anti-ESD plastic trays or tubes
Tape and Reel with pick & place pa

SPECIFICATIONS:

Material:
Insulator: LCP or Nylon 6T
Contacts: Phosphor Bronze

Contact Plating:
Tin or Gold flash over copper underplate

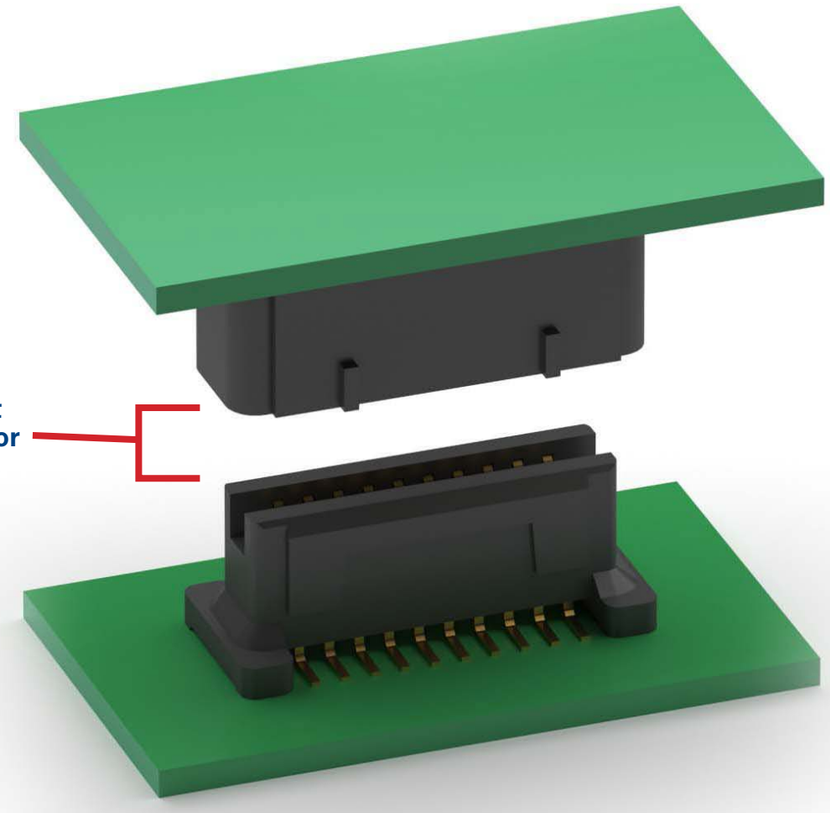
Electrical:
Operating voltage: 50V AC max.
Current rating:
0.5mm: 0.3 Amps max
0.8mm: 0.5 Amps max.
Contact resistance: 40 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:
Mating durability: 250 Cycles min.

Temperature Rating:
Operating temperature: -65°C to +155°C

PART NUMBER CONFIGURATION

BB5	- PL	- 060	- G	- 2.74	- P
PITCH	**TYPE**	**POSITIONS**	**PLATING**	**HEIGHT**	**OPTIONS**
BB4 = *.016 [0.40]* **BB5** = *.020 [0.50]* **BB8** = *.031 [0.80]* **BB10** = *.039 [1.00]* **BB16** = *.063 [1.60]* **BB35** = *.014 [0.35]* **BB65** = *.026 [0.65]* **BB635** = *.025 [0.635]* *HI-SPEED Ground Plane* **BB5H** = *.020 [0.50]* **BB8H** = *.031 [0.80]*	**P** = *PLUG* **S** = *SOCKET*	**02** *thru* **100**	**G** = *Gold plated* **T** = *Tin plated* **SG** = *Gold plating in contact area,Tin Plated solder tails*	**2.74**= *2.74mm*	*Add designator(s) to end of part number* **P** = *Optional peg* **NP** = *No peg* **KT** = *Mylar* **PP** = *Cap* **T/R** = *Tape & Reel packaging*



Broad range of stacking height combinations for all applications

0.50mm Centerline

PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
BB5-PN-XXX-G-4.40-NP-PP-TR	Male	0.50mm	Vertical Surface Mount				View
BB5-PN-XXX-G-X.XX-PP-TR	Male	0.50mm	Vertical Surface Mount				View
BB5-POA-XXX-G-XXX-TR	Male	0.50mm	Vertical Surface Mount				View
BB5-PT-XXX-SG-XX.XX-TR	Male	0.50mm	Vertical Surface Mount				View
BB5-PW-XXX-G-0.80-PP-TR	Male	0.50mm	Vertical Surface Mount				View
BB5-PW-XXX-G-X.XX-PP-TR	Male	0.50mm	Vertical Surface Mount	Peg			View
BB5-PXI-XXX-G-X.XX-PP-TR	Male	0.50mm	Vertical Surface Mount				View
BB5-S-XX	Female	0.50mm	Vertical Surface Mount				View
BB5-S-XX-1	Female	0.50mm	Vertical Surface Mount				View
BB5-S3-XX-G	Female	0.50mm	Vertical Surface Mount				View
BB5-SD-XX-G	Female	0.50mm	Vertical Surface Mount				View
BB5-SD-XX-G-NP	Female	0.50mm	Vertical Surface Mount				View
BB5-SE-XX-G-125-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-SL-XXX-G-NP-X.XX-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-SL-XXX-G-X.XX-NP-PP-T/R	Female	0.50mm	Vertical Surface Mount				View
BB5-SL-XXX-G-X.XX-PP-T/R	Female	0.50mm	Vertical Surface Mount				View
BB5-SL-XXX-G-X.XX-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-SM-XXX-G-420-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-SM1-XXX-G-595-KT-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-SN-XXX-G-2.20-NP-PP-TR	Female	0.50mm	Vertical Surface Mount	No Peg			View
BB5-SN-XXX-G-3.00-NP-PP-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-SN-XXX-G-X.XX-PP-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-SOA-XXX-G-XXX-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-ST-XXX-SG-XX.XX-PP-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-SW-XXX-G-2.20-PP-TR	Female	0.50mm	Vertical Surface Mount				View
BB5-SW-XXX-G-X.XX-PP-TR	Female	0.50mm	Vertical Surface Mount	Peg			View
BB5-SXI-XXX-G-X.XX-PP-TR	Female	0.50mm	Vertical Surface Mount				View
BB5H-PC-XXX-G-4.27-HF-T/R	Male	0.50mm	Vertical Surface Mount			High Speed	View
BB5H-SC-XXX-G-2.05-HF-T/R	Female	0.50mm	Vertical Surface Mount			High Speed	View

0.65mm Centerline

PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
BB65-P-XXX-G	Male	0.65mm	Vertical Surface Mount				View
BB65-S-XXX-G	Female	0.65mm	Vertical Surface Mount				View

1.27mm Centerline

PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
ESMC-F-XX-SGR-SMT	Female	1.27mm	Right Angle Surface Mount		Stacking & Coplanar		View
ESMC-F-XX-SGR-SMT-T/R	Female	1.27mm	Right Angle Surface Mount		Stacking & Coplanar		View
ESMC-F-XX-SGS-SMT-X-PP	Female	1.27mm	Vertical Surface Mount		Stacking & Coplanar		View
ESMC-F-XX-SGS-SMT-X-PP-T/R	Female	1.27mm	Vertical Surface Mount		Stacking & Coplanar		View
ESMC-M-XX-SGR-SMT	Male	1.27mm	Right Angle Surface Mount		Stacking & Coplanar		View
ESMC-M-XX-SGR-SMT-T/R	Male	1.27mm	Right Angle Surface Mount		Stacking & Coplanar		View
ESMC-M-XX-SGS-SMT-X-PP	Male	1.27mm	Vertical Surface Mount		Stacking & Coplanar		View
ESMC-M-XX-SGS-SMT-X-PP-T/R	Male	1.27mm	Vertical Surface Mount		Stacking & Coplanar		View

0.80mm Centerline

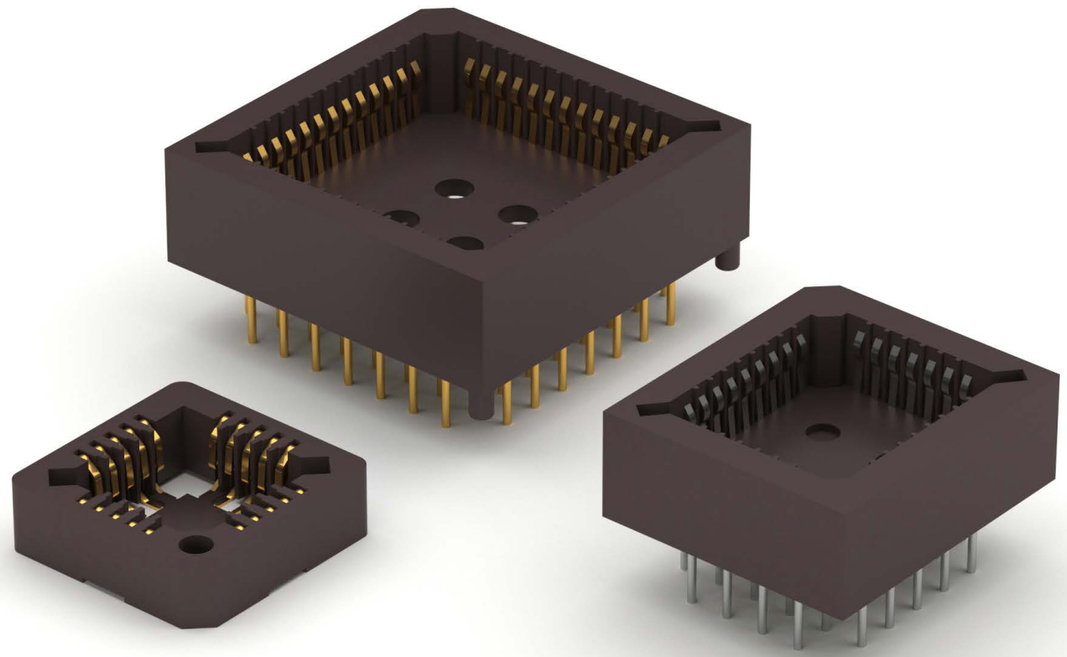
PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
BB8-P-XX-G	Male	0.80mm	Vertical Surface Mount				View
BB8-P-XX-G-126-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-P-XXX-G	Male	0.80mm	Vertical Surface Mount				View
BB8-PA-XXX-G-13.05-PP-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PD-XXX-G-355-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PEA-XX-G-XXX-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PEB-XX-G-360-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PEB-XX-G-480-TR	Male	0.80mm	Vertical Surface Mount	Peg			View
BB8-PEB-XX-T-480-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PEC-12-G-585-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PEC-XX-G-585-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PED-XX-G-3.75-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PED-XX-G-7.75-10-KT-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PED-XX-G-7.75-15-KT-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PED-XX-G-7.75-KT-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PED-XX-G-7.75-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PL-XXX-G-3.55-HF-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PL-XXX-G-3.55-PP-HF-T/R	Male	0.80mm	Vertical Surface Mount				View
BB8-PN-XXX-G-355-PP-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PN-XXX-G-405	Male	0.80mm	Vertical Surface Mount				View
BB8-PN-XXX-G-405-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PN-XXX-G-X.XX-NP-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PN-XXX-G-X.XX-PP-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PN-XXX-G-X.XX-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PO-XXX-G-X.XX-PP-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PO-XXX-SG-X.XX-PP-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PP-XX-G-2.40-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PP-XX-T-2.40-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PW-XXX-G-X.XX-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-PWA-XX-G-3.55-PP-TR	Male	0.80mm	Vertical Surface Mount				View
BB8-S1-XX-G	Female	0.80mm	Vertical Surface Mount				View
BB8-S5-XX-G-KT-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-S6-XX-SG	Female	0.80mm	Vertical Surface Mount				View
BB8-S6-XXX-SG	Female	0.80mm	Vertical Surface Mount				View
BB8-SA-XXX-G-12.35-PP-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SD-XXX-G-350-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SE-XXX-G-655	Female	0.80mm	Vertical Surface Mount				View
BB8-SEA-XX-G-XXX-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SEB-XX-G-330-KT-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SEB-XX-T-330-KT-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SEC-12-G-400-TR	Female	0.80mm	Vertical Surface Mount				View

PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
BB8-SEC-XX-G-400-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SED-XX-G-4.40-10-KT-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SED-XX-G-4.40-KT-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SED-XX-G-X.XX-KT-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SED-XX-G-X.XX-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SED-XX-G-XXX-15-KT-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SL-XXX-G-X.XX-HF-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SL-XXX-G-X.XX-PP-HF-T/R	Female	0.80mm	Vertical Surface Mount				View
BB8-SN-XXX-G-365-PP-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SN-XXX-G-4.70-RA	Female	0.80mm	Vertical Surface Mount				View
BB8-SN-XXX-G-4.70-RA-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SN-XXX-G-565	Female	0.80mm	Vertical Surface Mount				View
BB8-SN-XXX-G-565-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SN-XXX-G-X.XX-NP-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SN-XXX-G-X.XX-PP-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SN-XXX-G-X.XX-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SO-XXX-G-X.XX-PP-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SO-XXX-SG-X.XX-PP-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SP-XX-G-2.40-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SW-XXX-G-X.XX-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SWA-XX-G-X.XX-PP-TR	Female	0.80mm	Vertical Surface Mount				View
BB8-SX-XXX-G	Female	0.80mm	Vertical Surface Mount				View
BB8H-PC-XXX-G-4.27-HF-T/R	Male	0.80mm	Vertical Surface Mount			High Speed	View
BB8H-SC-XXX-G-2.05-HF-T/R	Female	0.80mm	Vertical Surface Mount			High Speed	View

PLCC Chip Carrier Sockets

PLASTIC LEADED CHIP CARRIER SOCKETS

Adam Tech SMT PLCC Series Sockets are low profile, thin wall sockets designed to convert plastic leaded chips to a thru-hole PCB format on a .100" centerline grid. They conform to JEDEC MS 106 and MS 018 pin count standards. Adam Tech's superior precision stamped contact design provides consistent, high retention contacts for all size chips. Chip exchanges or replacements are easily made with Adam Tech's chip remover part number PLCC-EXT.



FEATURES & SPECIFICATIONS

FEATURES:
Full range of sizes from 20P ~ 100P
Consistent, uniform high retention contacts
Compatible with wide range of chip sizes
No solder wicking design
Hi Temp PPS insulator
Open frame design for viewable solder joints

MATING PLASTIC LEADED CHIPS:
All EIA / JEDEC compliant PLCC

PACKAGING:
Anti-ESD plastic tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:
Material:
Standard Hi-Temp insulator: PPS, Glass reinforced, rated UL94V-0
Insulator Color: Brown
Contacts: Phosphor Bronze

Contact Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 30 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:
Insertion force: 6.35 oz max.
Withdrawal force: 1.0 oz min
Temperature Rating:
Operating temperature: -55°C to +105°C
Soldering process temperature: 260°C

SURFACE MOUNT PART NUMBER CONFIGURATION

PLCC	-	68	-	AT	-	SMT	-	P

SERIES	CONTACTS	PLATING	BODY & CONTACT TYPE	OPTIONS:
PLCC = *Plastic Leaded Chip Carrier Socket*	**20, 28, 32, 44, 52, 68, 84**	**AT** = *Tin-plated* **AG** = *Gold-plated*	**SMT** = *Low profile body, surface mount leads*	*Add designator(s) to end of part number* **P** = *With polarizing pegs* **T/R** = *Tape and reel packaging*

THRU-HOLE PART NUMBER CONFIGURATION

PLCC	-	68	-	AT	-	HT

SERIES	CONTACTS	PLATING	OPTIONS:
PLCC = *Plastic Leaded Chip Carrier Socket*	**20, 28, 32, 44, 52, 68, 84, 100**	**AT** = *Tin-plated* **AG** = *Gold-plated*	*Add designator(s) to end of part number* **HT** = *Hi-Temp Polyphenylene Sulfide (PPS) Insulator Material for hi-temp soldering process up to 260°C*

PART NUMBER	CONTACT POSITIONS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
PLCC-100-AT	100	Tin	Through Hole	View
PLCC-100-AT-SMT	100	Tin	Surface Mount	View
PLCC-20-AT	20	Tin	Through Hole	View
PLCC-20-AT-SMT	20	Tin	Surface Mount	View
PLCC-28-AT	28	Tin	Through Hole	View
PLCC-28-AT-SMT	28	Tin	Surface Mount	View
PLCC-32-AT	32	Tin	Through Hole	View
PLCC-32-AT-SMT	32	Tin	Surface Mount	View
PLCC-44-AT	44	Tin	Through Hole	View
PLCC-44-AT-SMT	44	Tin	Surface Mount	View
PLCC-52-AT	52	Tin	Through Hole	View
PLCC-52-AT-SMT	52	Tin	Surface Mount	View
PLCC-68-AT	68	Tin	Through Hole	View
PLCC-68-AT-SMT	68	Tin	Surface Mount	View
PLCC-84-AT	84	Tin	Through Hole	View
PLCC-84-AT-SMT	84	Tin	Surface Mount	View

Terminal Blocks

Adam Tech Terminal Blocks are a full range of wiring blocks, which are commonly used to terminate wire and eliminate splicing. They are offered in five different centerlines with open or closed back option. Each is available for bulkhead or PCB mounting with choice of Straight or Right Angle PCB Terminals, Cliptite and/or Turret Terminals. Our TB series is manufactured from flexible thermoplastic and resists cracking and breaking. Our TD series is manufactured from Hi-Temp Phenolic and as current carrying capability up to 30 Amps.

FEATURES & SPECIFICATIONS

FEATURES:
Wide range of sizes and profiles
Choice of open or closed back design
Choice of multiple terminations
Flexible Break resistant Thermoplastic.

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized & CSA Certified,
File no. E333935

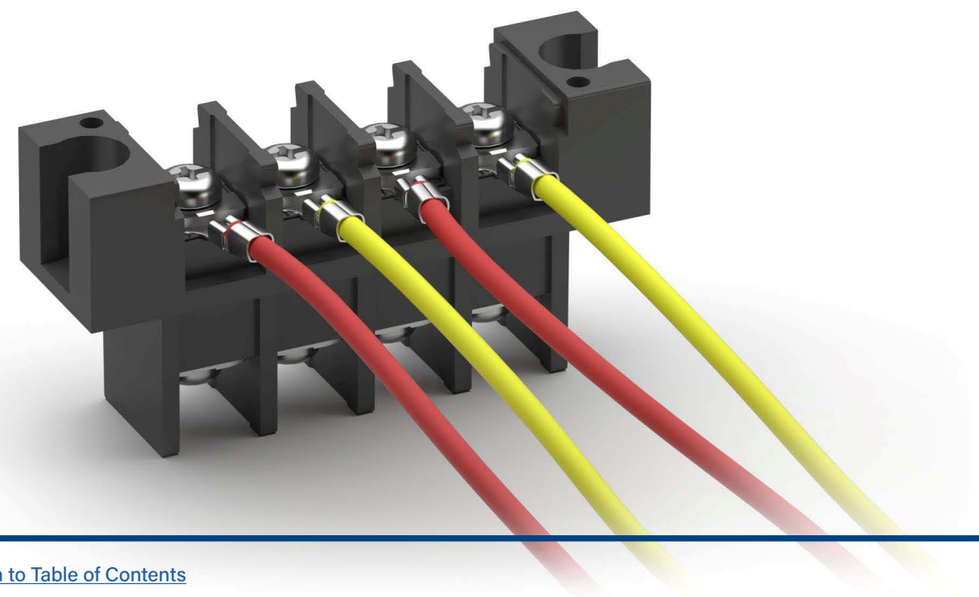
SPECIFICATIONS:

Material:
Insulator:
TB Series: PBT, rated UL94V-0
TD Series: Phenolic, glass reinforced, rated UL94V-0
Insulator Color: Black
Contacts: Brass, tin plated
Screws: Steel, nickel plated
Hardware: Brass, tin plated

Electrical:
Operation voltage: 300V AC max.
Current rating:
TBA / TBB / TDA series: 10 Amps max.
TBC / TBD / TBE / TBF / TBG / TBH series: 15 Amps max.
TDB series: 20 Amps max
TDC series: 30 Amps max
TDD series: 35 Amps max
TDG series: 6 Amps max
TDH series: 15 Amps max
TDJ series: 50 Amps max
Contact resistance: 20MΩ max
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 2000V AC for 1 minute

Mechanical:
Wire Range:
TBA / TBB Series: 22 – 16 Awg
TBC / TBE Series: 22 – 14 Awg
TBD Series: 22 – 14 Awg
TBF / TBG Series: 22 – 14 Awg
TDA / TDB / TDC Series: 18 - 12 Awg
TDD/TDH Series: 22 – 10 Awg
TDG Series: 22 – 12 Awg
TDJ Series: 16 – 8 Awg

Temperature Rating:
Operating temperature: -40°C to +105°C



TB SERIES PART NUMBER CONFIGURATION

TBA	-	02	-	01	-	B

SERIES	NO. OF POSITIONS	TERMINAL TYPE	MOUNTING ORIENTATION
TBA = *250" Centerline Barrier Block* **TBB** = *.250" Closed Side Barrier Block* **TBC** = *.325" Centerline Barrier Block (Offset Tails)* **TBD** = *.325" Centerline Barrier Block (Centered Tails)* **TBE** = *.325" Closed Side Barrier Block* **TBF** = *.374" Centerline Barrier Block* **TBG** = *.374" Closed Side Barrier Block* **TBH** = *.325" Centerline Stacked Block*	**02** *Thru* **30**	**01** = *Straight PCB Tail* **02** = *Closed Side Exit PCB Tail* **03** = *Right Angle PCB Tail* **04** = *Cliptite Terminal* **05** = *Turrett Terminal* **06** = *Wire Wrap Terminal*	**B** = *Barrier End* **M** = *Mount End*

TD DUAL ROW SERIES PART NUMBER CONFIGURATION

TDA	-	02

SERIES	NO. OF POSITIONS
TDA = *.374" Centerline Dual Row Block* **TDB** = *.433" Centerline Dual Row Block* **TDC** = *.551" Centerline Dual Row Block* **TDD** = *.471" Centerline Dual Row Block* **TDG** = *.315" Centerline Dual Row Block* **TDH** = *.393" Centerline Dual Row Block* **TDJ** = *.571" Centerline Dual Row Block*	**02** *Thru* **56**

PART NUMBER	TYPE	PITCH	ROWS	TERMINALS	BARRIER	MOUNTING	CURRENT RATING	VOLTAGE RATING	PRODUCT DATA
TBA-05-01-B	Terminal Block	.250" [6.35mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	10A	300V	View
TBA-05-01-M	Terminal Block	.250" [6.35mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	10A	300V	View
TBA-05-04-B	Terminal Block	.250" [6.35mm]	Single Row	Cliptite Terminals	Dual Barrier	Barrier End	10A	300V	View
TBA-05-04-M	Terminal Block	.250" [6.35mm]	Single Row	Cliptite Terminals	Dual Barrier	Mount End	10A	300V	View
TBA-XX-01-B	Terminal Block	.250" [6.35mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	10A	300V	View
TBA-XX-01-M	Terminal Block	.250" [6.35mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	10A	300V	View
TBA-XX-04-B	Terminal Block	.250" [6.35mm]	Single Row	Cliptite Terminals	Dual Barrier	Barrier End	10A	300V	View
TBA-XX-04-M	Terminal Block	.250" [6.35mm]	Single Row	Cliptite Terminals	Dual Barrier	Mount End	10A	300V	View
TBA-XX-04-M-V2	Terminal Block	.250" [6.35mm]	Single Row	Cliptite Terminals	Dual Barrier	Mount End	10A	300V	View
TBB-03-02-M	Terminal Block	.250" [6.35mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Mount End	10A	300V	View
TBB-05-01-B	Terminal Block	.250" [6.35mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	10A	300V	View
TBB-05-02-M	Terminal Block	.250" [6.35mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Mount End	10A	300V	View
TBB-XX-01-B	Terminal Block	.250" [6.35mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	10A	300V	View
TBB-XX-03-B	Terminal Block	.250" [6.35mm]	Single Row	Right Angle PCB Tail	Tri Barrier	Barrier End	10A	300V	View
TBB-XX-03-M	Terminal Block	.250" [6.35mm]	Single Row	Right Angle PCB Tail	Tri Barrier	Mount End	10A	300V	View
TBB-XX-05-B	Terminal Block	.250" [6.35mm]	Single Row	Turret Terminals	Tri Barrier	Barrier End	10A	300V	View
TBB-XX-06-B-417-V2	Terminal Block	.250" [6.35mm]	Single Row	Wire Wrap Terminals	Tri Barrier	Barrier End	10A	300V	View
TBB-XX-06-M-417-V2	Terminal Block	.250" [6.35mm]	Single Row	Wire Wrap Terminals	Tri Barrier	Mount End	10A	300V	View
TBC-03-01-B	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBC-03-01-M	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBC-03-06-B	Terminal Block	.325" [8.25mm]	Single Row	Wire Wrap Terminals	Dual Barrier	Barrier End	15A	300V	View
TBC-03-06-M	Terminal Block	.325" [8.25mm]	Single Row	Wire Wrap Terminals	Dual Barrier	Mount End	15A	300V	View
TBC-XX-01-B	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBC-XX-01-M	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBC-XX-01A-B	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBC-XX-06-B	Terminal Block	.325" [8.25mm]	Single Row	Wire Wrap Terminals	Dual Barrier	Barrier End	15A	300V	View
TBC-XX-06-B-11.0	Terminal Block	.325" [8.25mm]	Single Row	Wire Wrap Terminals	Dual Barrier	Barrier End	15A	300V	View
TBC-XX-06-M	Terminal Block	.325" [8.25mm]	Single Row	Wire Wrap Terminals	Dual Barrier	Mount End	15A	300V	View
TBD-03-01-M	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBD-03-03-B	Terminal Block	.325" [8.25mm]	Single Row	Right Angle PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBD-03-03-M	Terminal Block	.325" [8.25mm]	Single Row	Right Angle PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBD-03-04-B	Terminal Block	.325" [8.25mm]	Single Row	Cliptite Terminals	Dual Barrier	Barrier End	15A	300V	View
TBD-XX-01-B	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBD-XX-01-M	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBD-XX-01-M-NT	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBD-XX-03-B	Terminal Block	.325" [8.25mm]	Single Row	Right Angle PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBD-XX-03-B-V2	Terminal Block	.325" [8.25mm]	Single Row	Right Angle PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBD-XX-03-M	Terminal Block	.325" [8.25mm]	Single Row	Right Angle PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBD-XX-04-B	Terminal Block	.325" [8.25mm]	Single Row	Cliptite Terminals	Dual Barrier	Barrier End	15A	300V	View
TBE-03-01-M	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Tri Barrier	Mount End	15A	300V	View
TBE-03-02-M	Terminal Block	.325" [8.25mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Mount End	15A	300V	View

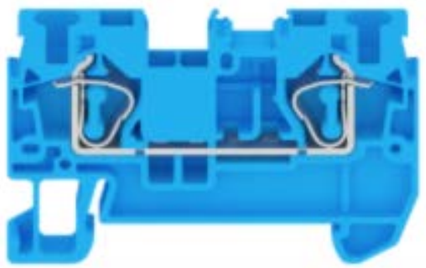
PART NUMBER	TYPE	PITCH	ROWS	TERMINALS	BARRIER	MOUNTING	CURRENT RATING	VOLTAGE RATING	PRODUCT DATA
TBE-05-01-B	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBE-05-02-B	Terminal Block	.325" [8.25mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBE-05-02-M	Terminal Block	.325" [8.25mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Mount End	15A	300V	View
TBE-05-03-B	Terminal Block	.325" [8.25mm]	Single Row	Right Angle PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBE-XX-01-M	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Tri Barrier	Mount End	15A	300V	View
TBE-XX-02-B	Terminal Block	.325" [8.25mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBE-XX-02-B-A	Terminal Block	.325" [8.25mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBE-XX-02-M	Terminal Block	.325" [8.25mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Mount End	15A	300V	View
TBE-XX-03-B	Terminal Block	.325" [8.25mm]	Single Row	Right Angle PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBE-XX-06-B	Terminal Block	.325" [8.25mm]	Single Row	Wire Wrap Terminals	Tri Barrier	Barrier End	15A	300V	View
TBF-02-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-04-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-05-01-M	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBF-05-03-B	Terminal Block	.374" [9.5mm]	Single Row	Right Angle PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-05-03-M	Terminal Block	.374" [9.5mm]	Single Row	Right Angle PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBF-06-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-XX-00-M	Terminal Block	.374" [9.5mm]	Single Row	No	Dual Barrier	Mount End	15A	300V	View
TBF-XX-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-XX-01-B-A	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-XX-01-B-CC	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-XX-01-B-SS	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-XX-01-B-V-CC	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-XX-01-M	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBF-XX-01-M-CC	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBF-XX-03-B	Terminal Block	.374" [9.5mm]	Single Row	Right Angle PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBF-XX-03-M	Terminal Block	.374" [9.5mm]	Single Row	Right Angle PCB Tail	Dual Barrier	Mount End	15A	300V	View
TBF-XX-04-M	Terminal Block	.374" [9.5mm]	Single Row	Cliptite Terminals	Dual Barrier	Mount End	15A	300V	View
TBF-XX-05-M-WB	Terminal Block	.374" [9.5mm]	Single Row	Turret Terminals	Dual Barrier	Mount End	15A	300V	View
TBF-XX-06-B	Terminal Block	.374" [9.5mm]	Single Row	Wire Wrap Terminals	Dual Barrier	Barrier End	15A	300V	View
TBF-XX-06-M	Terminal Block	.374" [9.5mm]	Single Row	Wire Wrap Terminals	Dual Barrier	Mount End	15A	300V	View
TBF-XX-07-M-NT	Terminal Block	.374" [9.5mm]	Single Row	No	Dual Barrier	Mount End	15A	300V	View
TBFA-XX-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBFA-XX-05-M	Terminal Block	.374" [9.5mm]	Single Row	Turret Terminals	Dual Barrier	Mount End	15A	300V	View
TBFA-XX-05-M-CC	Terminal Block	.374" [9.5mm]	Single Row	Turret Terminals	Dual Barrier	Mount End	15A	300V	View
TBG-03-01-B-HC	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBG-03-01-M	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Mount End	15A	300V	View
TBG-05-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBG-05-02-B	Terminal Block	.374" [9.5mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBG-05-03-B	Terminal Block	.374" [9.5mm]	Single Row	Right Angle PCB Tail	Tri Barrier	Barrier End	15A	300V	View

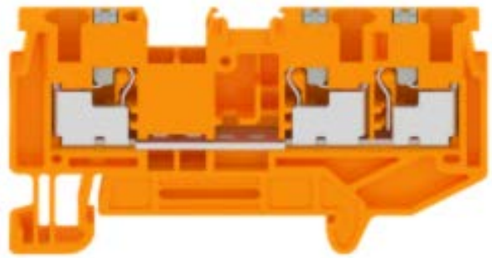
PART NUMBER	TYPE	PITCH	ROWS	TERMINALS	BARRIER	MOUNTING	CURRENT RATING	VOLTAGE RATING	PRODUCT DATA
TBG-06-06-B	Terminal Block	.374" [9.5mm]	Single Row	Wire Wrap Terminals	Tri Barrier	Barrier End	15A	300V	View
TBG-XX-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBG-XX-01-B-HC	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBG-XX-01-B-OC-NC	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBG-XX-01-M	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Mount End	15A	300V	View
TBG-XX-02-B	Terminal Block	.374" [9.5mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBG-XX-03-B	Terminal Block	.374" [9.5mm]	Single Row	Right Angle PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBG-XX-05-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBG-XX-06-OT-M	Terminal Block	.374" [9.5mm]	Single Row	Wire Wrap Terminals	Tri Barrier	Mount End	15A	300V	View
TBGA-XX-01-B-HC	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	20A	300V	View
TBGB-XX-01-M-MP	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Mount End	15A	250V	View
TBGC-XX-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	25A	300V	View
TBGD-XX-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	30A	300V	View
TBH-16-01-B-375	Terminal Block	.325" [8.25mm]	Dual Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	View
TBH-24-01-B	Terminal Block	.325" [8.25mm]	Dual Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	View
TBH-XX-01-B	Terminal Block	.325" [8.25mm]	Dual Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	View
TBH-XX-01-B-375	Terminal Block	.325" [8.25mm]	Dual Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	View
TBI-08-381-CM1	Terminal Block	IDC	Single Row	Straight PCB Tail	-	Barrier End	15A	250V	View
TBK-08-01-B	Terminal Block	.394" [10.0mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	25A	600V	View
TBM-09-01-B-01	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBM-XX-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBN-08-03-M	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	View
TBN-09-01-B-BS	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBN-XX-01-B	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBN-XX-01-B-CC	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBN-XX-01-M	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	View
TBN-XX-01-M-WB	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	View
TBN-XX-01D-B	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBN-XX-03-B	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBN-XX-03-B-CC	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBN-XX-04-M	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	View
TBN-XX-04-M-WB	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	View
TBN-XX-05-M	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	View
TBNA-XX-01-B	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	View
TBP-XX-01-B	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBP-XX-01-B-01	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBP-XX-01-B-02	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBP-XX-01-B-MOD	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBP-XX-01-B-MOD-C1	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBP-XX-05-B-DT	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	View
TBR-XX-00-M-SPH	Terminal Block	.325" [8.25mm]	Single Row	No	Dual Barrier	Mount End	30A	600V	View
TBR-XX-01-B-V	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	View

PART NUMBER	TYPE	PITCH	ROWS	TERMINALS	BARRIER	MOUNTING	CURRENT RATING	VOLTAGE RATING	PRODUCT DATA
TBR-XX-01-B-V-CC	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	View
TBR-XX-03-B-COV	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	View
TBRA-XX-01-B	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	View
TBRA-XX-01-B-RA	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	View
TBS-XX-01-B	Terminal Block	.300" [7.62mm]	Dual Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBS-XX-01-B-ZINC	Terminal Block	.300" [7.62mm]	Dual Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBS-XX-01-B-ZINC-HW	Terminal Block	.300" [7.62mm]	Dual Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	View
TBT-XX-01-M-CC	Terminal Block	.630" [16.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	65A	600V	View
TBU-XX	Terminal Block	.630" [16.0mm]	Dual Row	No	Dual Barrier	Mount End	75A	600V	View
TBU-XX-A	Terminal Block	.630" [16.0mm]	Dual Row	No	Dual Barrier	Mount End	65A	600V	View
TBU-XX-W1	Terminal Block	.433" [11.0mm]	Dual Row	No	Dual Barrier	Mount End	30A	300V	View
TBU-XX-W2	Terminal Block	.512" [13.0mm]	Dual Row	No	Dual Barrier	Mount End	50A	600V	View
TBU-XX-W3-CC	Terminal Block	.630" [16.0mm]	Dual Row	No	Dual Barrier	Mount End	65A	600V	View
TBU-XX-W3-CCS	Terminal Block	.630" [16.0mm]	Dual Row	No	Dual Barrier	Mount End	65A	600V	View
TBU-XX-W4-CCS	Terminal Block	.826" [21.0mm]	Dual Row	No	Dual Barrier	Mount End	115A	600V	View
TBW-XX-02-B	Terminal Block	.512" [13.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	40A	600V	View
TBW-XX-02-B-COV	Terminal Block	.512" [13.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	40A	600V	View
TBY-XX-01-B	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	View
TBZ-XX-01-B	Terminal Block	.500" [12.7mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	45A	600V	View
TDA-03	Terminal Block	.374" [9.5mm]	Dual Row	No	Isolated	Chassis	10A	300V	View
TDA-XX	Terminal Block	.374" [9.5mm]	Dual Row	No	Isolated	Chassis	10A	300V	View
TDA-XX-SQ	Terminal Block	.374" [9.5mm]	Dual Row	No	Isolated	Chassis	10A	250V	View
TDB-04	Terminal Block	.433" [11.0mm]	Dual Row	No	Isolated	Chassis	25A	300V	View
TDB-XX	Terminal Block	.433" [11.0mm]	Dual Row	No	Isolated	Chassis	25A	300V	View
TDB-XX-HB	Terminal Block	.433" [11.0mm]	Dual Row	No	Isolated	Chassis	25A	300V	View
TDC-04	Terminal Block	.551" [14.0mm]	Dual Row	No	Isolated	Chassis	30A	300V	View
TDC-XX	Terminal Block	.472" [12.0mm]	Dual Row	No	Isolated	Chassis	30A	300V	View
TDK-XX-FH	Terminal Block	.394" [10.0mm]	Dual Row	No	Isolated	Chassis	15A	300V	View
TDKA-XX-FH1	Terminal Block	.394" [10.0mm]	Dual Row	No	Isolated	Chassis	15A	300V	View
TDM-XX	Terminal Block	1.114" [28.3mm]	Dual Row	No	Isolated	Chassis	150A	600V	View
TDN-XX-WP	Terminal Block	.531" [13.5mm]	Dual Row	No	Isolated	Chassis	15A	300V	View

DIN Rail Terminal Blocks

Adam Tech's REB Series DIN Rail Terminal Blocks offer a reliable and safe solution for connecting conductors to DIN rails. Available in spring cage, push-in, and micro spring cage configurations, this versatile series offers a range of cross sectional area wire ranges, colors, and other options to meet the needs of various applications. Compatible rails and protective covers/caps are also available, with the covers/caps providing additional insulation to protect the terminal blocks from damage.





FEATURES & SPECIFICATIONS

FEATURES:
Allows for safe and reliable wire connections
Current range: 15A to 65A
Voltage: 300 or 600V
Various cross sectional area wire
Color options: blue, gray, green/yellow, and orange
Compatible end covers/caps and rails/tracks available

SPECIFICATIONS:

Material:
Insulator: PA66, rated UL94V-0
Contact: Copper alloy, tin plated

Electrical:
Voltage rating: 300/600V
Current rating range: 15-65A
Dielectric withstanding voltage: 1600/2200VAC for 1 minute

Temperature Rating:
Operating temperature range: -40°C to +105°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. XCFR2.E333935 and XCFR8. E333935

SPRING CAGE & PUSH-IN PART NUMBER CONFIGURATION

REB-	A	4	A	- XX
SERIES	**BODY STYLE**	**NUMBER OF HOLES**	**CROSS SECTIONAL AREA WIRE RANGE**	**INSULATOR COLOR**
REB = *Railway Terminal*	**A** = *Spring Cage* **B** = *Push-In*	**2** **3** **4** **see drawings for more details*	**A** = *Solid/Stranded: 24~16 AWG, 0.2~1.5mm²* **B** = *Solid: 24~12 AWG, 0.2~4.0mm² / Stranded: 24~14 AWG, 0.2~2.5m²* **C** = *Solid: 24~10 AWG, 0.2~6.0mm² / Stranded: 24~12 AWG, 0.2~4.0mm²* **D** = *Solid: 24~8 AWG, 0.2~10.0mm² / Stranded: 24~10 AWG, 0.2~6.0mm²* **E** = *Solid: 24~6 AWG, 0.2~16.0mm² / Stranded: 24~8 AWG, 0.2~10.0mm²* **see drawings for more details*	**BU** = *Blue* **OR** = *Orange* **GY** = *Gray* **YG** = *Yellow/ Green*

MICRO CAGE PART NUMBER CONFIGURATION

REB -	XX -	C	A	A	- 001
SERIES	**PIN**	**BODY STYLE**	**CROSS SECTIONAL AREA WIRE RANGE**	**PITCH**	**SERIAL NUMBER**
REB = *Railway Terminal*	**XX** = *Pin*	**C** = *Micro Cage*	**A** = *Solid/Stranded: 28~16 AWG, 0.2~1.5mm²* **B** = *Solid/Stranded: 28~14 AWG, 0.2~2.5mm²* **C** = *Solid/Stranded: 28~12 AWG, 0.2~4.0mm²* **see drawings for more details*	**A** = *.197 [5.00mm]* **B** = *.236 [6.00mm]* **C** = *.276 [7.00mm]* **D** = *.315 [8.00mm]* **E** = *.394 [10.00mm]* **F** = *.472 [12.00mm]*	

PART NUMBER	PRODUCT	TYPE	NUMBER OF HOLES	SOLID (CROSS SECTIONAL WIRE RANGE)	STRANDED (CROSS SECTIONAL WIRE RANGE)	STRIPPED LENGTH	PRODUCT DATA
REB-A2A-XX	Terminal Block	Spring Cage	2	24~16 AWG / 0.2~1.5mm²	24~16 AWG / 0.2~1.5mm²	.315"~.394" (8-10mm)	View
REB-A2B-XX	Terminal Block	Spring Cage	2	24~12 AWG / 0.2~4.0mm²	24~14 AWG / 0.2~2.5mm²	.315"~.394" (8-10mm)	View
REB-A2C-XX	Terminal Block	Spring Cage	2	24~10 AWG / 0.2~6.0mm²	24~12 AWG / 0.2~4.0mm²	.315"~.394" (8-10mm)	View
REB-A2D-CAP	Cap	Spring Cage	2	N/A	N/A	N/A	View
REB-A2D-XX	Terminal Block	Spring Cage	2	24~8 AWG / 0.2~10.0mm²	24~10 AWG / 0.2~6.0mm²	.472" (12mm)	View
REB-A2E-CAP	Cap	Spring Cage	2	N/A	N/A	N/A	View
REB-A2E-XX	Terminal Block	Spring Cage	2	24~6 AWG / 0.2~16.0mm²	24~8 AWG / 0.2~10.0mm²	.709" (18mm)	View
REB-A3A-XX	Terminal Block	Spring Cage	3	24~16 AWG / 0.2~1.5mm²	24~16 AWG / 0.2~1.5mm²	.315"~.394" (8-10mm)	View
REB-A3B-XX	Terminal Block	Spring Cage	3	24~12 AWG / 0.2~4.0mm²	24~14 AWG / 0.2~2.5mm²	.315"~.394" (8-10mm)	View
REB-A3C-CAP	Cap	Spring Cage	3	N/A	N/A	N/A	View
REB-A3C-XX	Terminal Block	Spring Cage	3	24~10 AWG / 0.2~6.0mm²	24~12 AWG / 0.2~4.0mm²	.315"~.394" (8-10mm)	View
REB-A3D-CAP	Cap	Spring Cage	3	N/A	N/A	N/A	View
REB-A3D-XX	Terminal Block	Spring Cage	3	24~8 AWG / 0.2~10.0mm²	24~10 AWG / 0.2~6.0mm²	.472" (12mm)	View
REB-A3E-CAP	Cap	Spring Cage	3	N/A	N/A	N/A	View
REB-A3E-XX	Terminal Block	Spring Cage	3	24~6 AWG / 0.2~16.0mm²	24~8 AWG / 0.2~10.0mm²	.709" (18mm)	View
REB-A4A-XX	Terminal Block	Spring Cage	4	24~16 AWG / 0.2~1.5mm²	24~16 AWG / 0.2~1.5mm²	.315"~.394" (8-10mm)	View
REB-A4B-XX	Terminal Block	Spring Cage	4	24~12 AWG / 0.2~4.0mm²	24~14 AWG / 0.2~2.5mm²	.315"~.394" (8-10mm)	View
REB-A4C-CAP	Cap	Spring Cage	4	N/A	N/A	N/A	View
REB-A4C-XX	Terminal Block	Spring Cage	4	24~10 AWG / 0.2~6.0mm²	24~12 AWG / 0.2~4.0mm²	.315"~.394" (8-10mm)	View
REB-B2A-CAP	Cap	Push-In	2	N/A	N/A	N/A	View
REB-B2A-XX	Terminal Block	Push-In	2	24~16 AWG / 0.2~1.5mm²	24~16 AWG / 0.2~1.5mm²	.315"~.394" (8-10mm)	View
REB-B2B-CAP	Cap	Push-In	2	N/A	N/A	N/A	View
REB-B2B-XX	Terminal Block	Push-In	2	24~12 AWG / 0.2~4.0mm²	24~14 AWG / 0.2~2.5mm²	.315"~.394" (8-10mm)	View
REB-B2C-CAP	Cap	Push-In	2	N/A	N/A	N/A	View
REB-B2C-XX	Terminal Block	Push-In	2	24~10 AWG / 0.2~6.0mm²	24~12 AWG / 0.2~4.0mm²	.394"~.472" (10-12mm)	View
REB-B2D-CAP	Cap	Push-In	2	N/A	N/A	N/A	View
REB-B2D-XX	Terminal Block	Push-In	2	20~8 AWG / 0.5~10.0mm²	20~10 AWG / 0.5~6.0mm²	.394"~.472" (10-12mm)	View
REB-B2E-CAP	Cap	Push-In	2	N/A	N/A	N/A	View
REB-B2E-XX	Terminal Block	Push-In	2	20~6 AWG / 0.5~16.0mm²	20~8 AWG / 0.5~10.0mm²	.709" (18mm)	View
REB-B3A-CAP	Cap	Push-In	3	N/A	N/A	N/A	View
REB-B3A-XX	Terminal Block	Push-In	3	24~16 AWG / 0.2~1.5mm²	24~16 AWG / 0.2~1.5mm²	.315"~.394" (8-10mm)	View
REB-B3B-CAP	Cap	Push-In	3	N/A	N/A	N/A	View
REB-B3B-XX	Terminal Block	Push-In	3	24~12 AWG / 0.2~4.0mm²	24~14 AWG / 0.2~2.5mm²	.315"~.394" (8-10mm)	View
REB-B3C-CAP	Cap	Push-In	3	N/A	N/A	N/A	View
REB-B3C-XX	Terminal Block	Push-In	3	24~10 AWG / 0.2~6.0mm²	24~12 AWG / 0.2~4.0mm²	.394"~.472" (10-12mm)	View
REB-B3D-CAP	Cap	Push-In	3	N/A	N/A	N/A	View
REB-B3D-XX	Terminal Block	Push-In	3	20~8 AWG / 0.5~10.0mm²	20~10 AWG / 0.5~6.0mm²	.394"~.472" (10-12mm)	View

PART NUMBER	PRODUCT	TYPE	NUMBER OF HOLES	SOLID (CROSS SECTIONAL WIRE RANGE)	STRANDED (CROSS SECTIONAL WIRE RANGE)	STRIPPED LENGTH	PRODUCT DATA
REB-B3E-CAP	Cap	Push-In	3	N/A	N/A	N/A	View
REB-B3E-XX	Terminal Block	Push-In	3	20~6 AWG / 0.5~16.0mm²	20~8 AWG / 0.5~10.0mm²	.709" (18mm)	View
REB-B4A-CAP	Cap	Push-In	4	N/A	N/A	N/A	View
REB-B4A-XX	Terminal Block	Push-In	4	24~16 AWG / 0.2~1.5mm²	24~16 AWG / 0.2~1.5mm²	.315"~.394" (8-10mm)	View
REB-B4B-CAP	Cap	Push-In	4	N/A	N/A	N/A	View
REB-B4B-XX	Terminal Block	Push-In	4	24~12 AWG / 0.2~4.0mm²	24~14 AWG / 0.2~2.5mm²	.315"~.394" (8-10mm)	View
REB-B4C-CAP	Cap	Push-In	4	N/A	N/A	N/A	View
REB-B4C-XX	Terminal Block	Push-In	4	24~10 AWG / 0.2~6.0mm²	24~12 AWG / 0.2~4.0mm²	.394"~.472" (10-12mm)	View
REB-B4D-CAP	Cap	Push-In	4	N/A	N/A	N/A	View
REB-B4D-XX	Terminal Block	Push-In	4	20~8 AWG / 0.5~10.0mm²	20~10 AWG / 0.5~6.0mm²	.394"~.472" (10-12mm)	View
REB-DF-XXX-00X	Rail	N/A	N/A	N/A	N/A	N/A	View
REB-DF1-XXX-00X	Rail	N/A	N/A	N/A	N/A	N/A	View

Europa Strips

Adam Tech Europa Strips are a full range of wiring blocks, which are commonly used to terminate wire and eliminate splicing. They are offered in five different centerlines with open or closed back option. Each is available for bulkhead or PCB mounting with choice of Straight or Right Angle PCB Terminals, Cliptite and/or Turret Terminals. Our TB series is manufactured from flexible thermoplastic and resists cracking and breaking. Our TD series is manufactured from Hi-Temp Phenolic and as current carrying capability up to 30 Amps.

FEATURES & SPECIFICATIONS

FEATURES:
Wide range of sizes and profiles
Choice of open or closed back design
Choice of multiple terminations
Flexible Break resistant Thermoplastic.

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized & CSA Certified,
File no. E333935

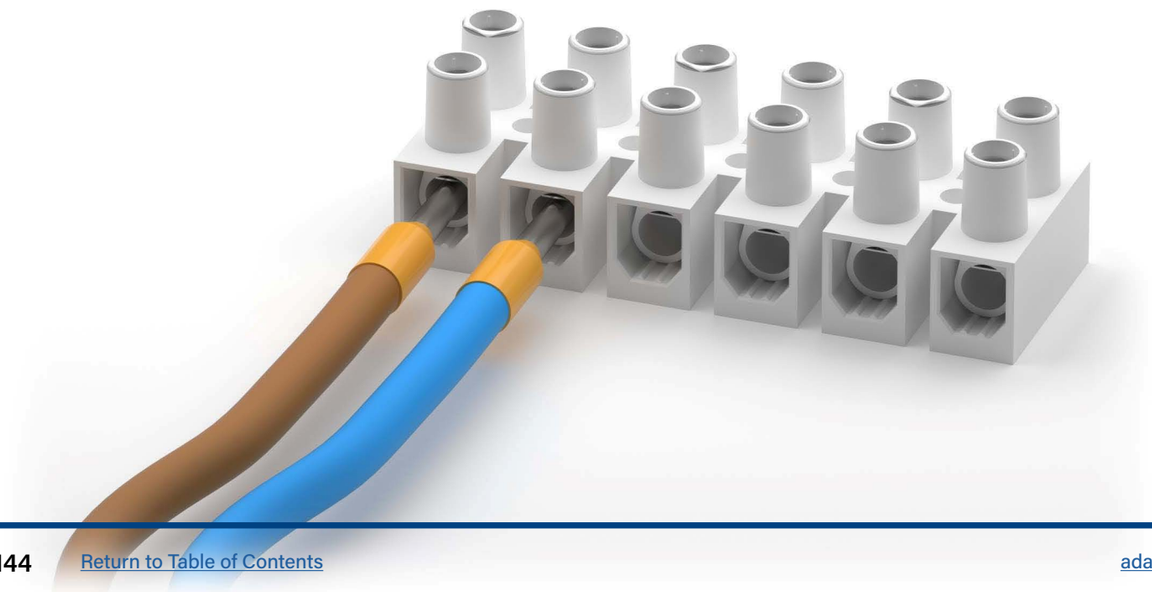
SPECIFICATIONS:

Material:
Insulator:
TB Series: PBT, rated UL94V-0
TD Series: Phenolic, glass reinforced, rated UL94V-0
Insulator Color: Black
Contacts: Brass, tin plated
Screws: Steel, nickel plated
Hardware: Brass, tin plated

Electrical:
Operation voltage: 300V AC max.
Current rating:
TBA / TBB / TDA series: 10 Amps max.
TBC / TBD / TBE / TBF / TBG / TBH series: 15 Amps max.
TDB series: 20 Amps max
TDC series: 30 Amps max
TDD series: 35 Amps max
TDG series: 6 Amps max
TDH series: 15 Amps max
TDJ series: 50 Amps max
Contact resistance: 20MΩ max
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 2000V AC for 1 minute

Mechanical:
Wire Range:
TBA / TBB Series: 22 – 16 Awg
TBC / TBE Series: 22 – 14 Awg
TBD Series: 22 – 14 Awg
TBF / TBG Series: 22 – 14 Awg
TDA / TDB / TDC Series: 18 - 12 Awg
TDD/TDH Series: 22 – 10 Awg
TDG Series: 22 – 12 Awg
TDJ Series: 16 – 8 Awg

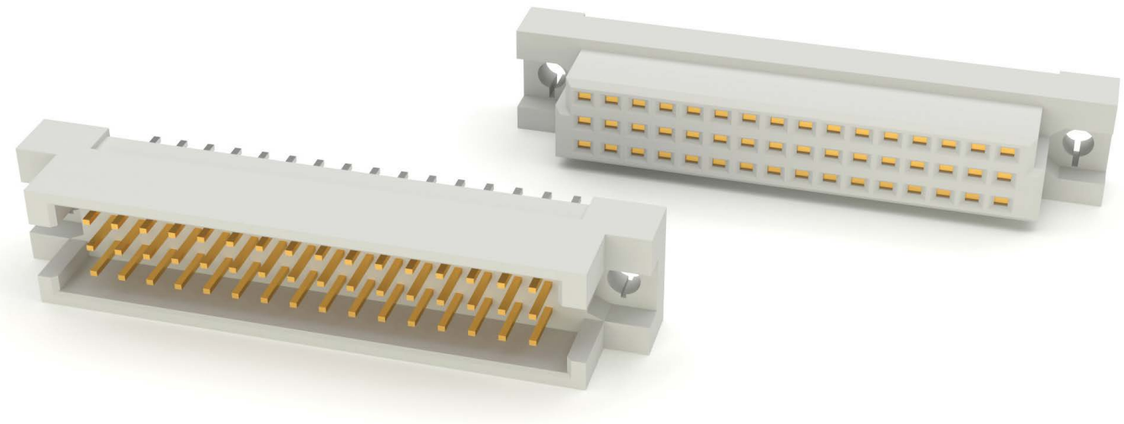
Temperature Rating:
Operating temperature: -40°C to +105°C



PART NUMBER	PITCH	POSITIONS	ROWS	ADDITIONAL FEATURES	PRODUCT DATA
TDD-XX	12.0mm	02-24	Dual Row		View
TDD-XX-A	12.0mm	04-24	Dual Row		View
TDD-XX-V2	12.0mm	02-24	Dual Row		View
TDD-XX-WP-A	12.0mm	04-24	Dual Row	Wire Protector	View
TDD-XX-WP-V2	12.0mm	02-24	Dual Row	Wire Protector	View
TDDA-XX-WP-V2	12.0mm	02-24	Dual Row	Wire Protector	View
TDG-XX	8.0mm	02-24	Dual Row		View
TDG-XX-01	8.0mm	04-24	Dual Row		View
TDG-XX-01-V0	8.0mm	04-24	Dual Row		View
TDGA-XX	8.0mm	04-24	Dual Row		View
TDH-XX	10.0mm	04-24	Dual Row	Brass Screws	View
TDH-XX-A	10.0mm	04-24	Dual Row		View
TDH-XX-A-V2	10.0mm	04-24	Dual Row		View
TDH-XX-A1-V2	10.0mm	04-24	Dual Row		View
TDH-XX-SS	10.0mm	04-24	Dual Row	Steel Screws	View
TDH-XX-WP	10.0mm	04-24	Dual Row	Wire Protector	View
TDH-XX-WP-SS	10.0mm	04-24	Dual Row	Wire Protector & Steel Screws	View
TDHA-XX-V2	10.0mm	04-24	Dual Row	Brass Screws	View
TDHA-XX-WP-V2	10.0mm	04-24	Dual Row	Wire Protector & Brass Screws	View
TDJ-XX	14.50mm	04-24	Dual Row		View
TDJ-XX-01	14.50mm	04-24	Dual Row		View
TDJ-XX-01-M-CC	14.50mm	02-12	Single Row		View
TDJA-XX-V2	14.50mm	02-24	Dual Row		View
TDJA-XX-WP-V2	14.50mm	02-24	Dual Row	Wire Protector	View

DIN 41612 Connectors

Adam Tech DIN 41612 Connectors are a versatile two piece PCB connector set with feaures useful for many applications including connections for plug-in card and back-panel wiring, PCB to PCB attachment and peripheral connections for external interfaces. Features include a multitude of body sizes and styles with options that include selective contact loading, make and break contacts, contact lead length choices and contact plating variations each in .100" [2.54mm] or .200" [5.08mm] centerline spacing.



FEATURES & SPECIFICATIONS

FEATURES:
Industry Standard Compatible
Multiple Body Sizes
Contact Plating Options
Make and Break contacts
.100" or .200" Centerlines

MATING OPTIONS:
Adam Tech DNR series and All industry standard DIN 41612 Connectors.

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass filled, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Beige

Contacts:
Brass or Phosphor Bronze

Plating:
Gold over nickel underplate on contact area
Tin over copper underplate on tails

Electrical:
Operating voltage: 500V AC max.
Current rating: 2 Amps max
Contact resistance: 30 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 20 lbs / contact max.
Withdrawal force: 0.033 lbs / contact min
Mating durability: Class I: 500 cycles
Class II: 250 cycles
Class III: 100 cycles

Temperature Rating:
Operating temperature: -55°C to +125°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PART NUMBER	GENDER	CONTACT POSITIONS	MOUNTING ORIENTATION	BODY TYPE	CENTERLINE	TERMINALS	OPTIONS	PRODUCT DATA
DIN-240FR-L44-A1	Female	4 Rows: 100, 128, 160, 200, 240	Right Angle PCB Mount	Long Body (4 Rows): A, B, C, & D Loaded	.100"	.157" Solder Tail		View
DIN-240MS-L44-A1	Male	4 Rows: 100, 128, 160, 200, 240	Straight PCB Mount	Long Body (4 Rows): A, B, C, & D Loaded	.100"	.157" Solder Tail	High Temp Insulator	View
DIN-48FR-S33-A1C1	Female	3 Rows: 16, 32, 48	Right Angle PCB Mount	Short Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		View
DIN-48FS-S33-A1C1	Male	3 Rows: 16, 32, 48	Straight PCB Mount	Short Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		View
DIN-48MR-S33-A1C1	Male	3 Rows: 16, 32, 48	Right Angle PCB Mount	Short Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		View
DIN-48MS-S33-A1C1	Male	3 Rows: 16, 32, 48	Straight PCB Mount	Short Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		View
DIN-64FR-L22-A1C1	Female	2 Rows: 32, 64	Right Angle PCB Mount	Long Body (2 Rows): A & B Loaded	.100"	.157" Solder Tail		View
DIN-64FS-L22-A1C1	Female	2 Rows: 32, 64	Straight PCB Mount	Long Body (2 Rows): A & B Loaded	.100"	.157" Solder Tail		View
DIN-64MR-L22-A1C1	Male	2 Rows: 32, 64	Right Angle PCB Mount	Long Body (2 Rows): A & B Loaded	.100"	.157" Solder Tail		View
DIN-64MS-L22-A1C1	Male	2 Rows: 32, 64	Straight PCB Mount	Long Body (2 Rows): A & B Loaded	.100"	.157" Solder Tail		View
DIN-96FR-L33-A1C1	Female	3 Rows: 32, 64, 96	Right Angle PCB Mount	Long Body (3 Rows): A & C Loaded	.100"	.157" Solder Tail		View
DIN-96FS-L33-A1C1	Female	3 Rows: 32, 64, 96	Straight PCB Mount	Long Body (3 Rows): A & C Loaded	.100"	.157" Solder Tail		View
DIN-96MR-L33-A1C1	Male	3 Rows: 32, 64, 96	Right Angle PCB Mount	Long Body (3 Rows): A & C Loaded	.100"	.157" Solder Tail		View
DIN-96MS-L33-A1C1	Male	3 Rows: 32, 64, 96	Straight PCB Mount	Long Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		View

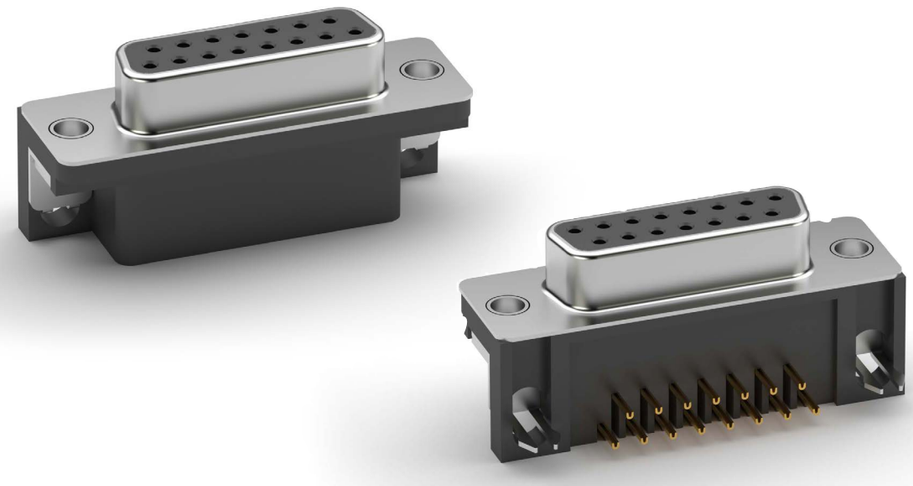
PART NUMBER CONFIGURATION

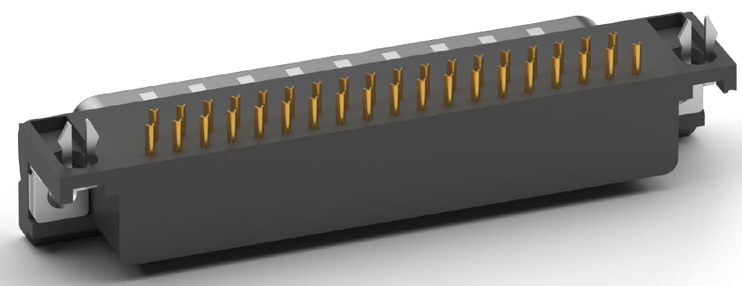
DIN	- 96	M	R	- L33	- A	1	C1	- PF
SERIES	**NO. OF CONTACTS**	**GENDER**	**MOUNTING ANGLE**	**BODY TYPE**	**PITCH**	**SOLDER TAIL LENGTH**	**PERFORMANCE CLASS**	**OPTIONS**
DIN = *DIN 41612 Connector*	*Short body 2 rows:* **16, 32** *Short body 3 rows:* **16, 32, 48** *Long body 2 rows:* **32, 64** *Long body 3 rows:* **32, 64, 96** *Long body 4 rows:* **100, 128, 160, 200,**	**M** = *Male, Pin Contacts* **F** = *Female, Socket Contacts*	**S** = *Straight, PCB mount* **R** = *Right Angle, PCB mount*	**S22** = *Short body, 2 rows A & B Loaded* **S32** = *Short body, 3 rows A & C Loaded* **S33** = *Short body, 3 rows A, B & C Loaded* **L22** = *Long body, 2 rows A & B Loaded* **L32** = *Long body, 3 rows A & C Loaded* **L33** = *Long body, 3 rows A, B & C Loaded* **L44** = *Long body, 4 rows A, B, C & D Loaded*	**A** = *.100" [2.54 mm]* **B** = *.200" [5.08 mm]*	**1** = *Standard solder tail length .157"* **2** = *Wire wrap .511" Solder tail (straight female only)* **.XXX**= *Customized Solder tail length* **00** = *No contact Loaded*	**C1** = *Class 1* **C2** = *Class 2.* **C3** = *Class 3*	*Add designator(s) to end of part number* **PF** = *Press Fit Tails* **HT** = *Hi-Temp insulator 260°C max.* **BL** = *Metal board locks in mounting holes*

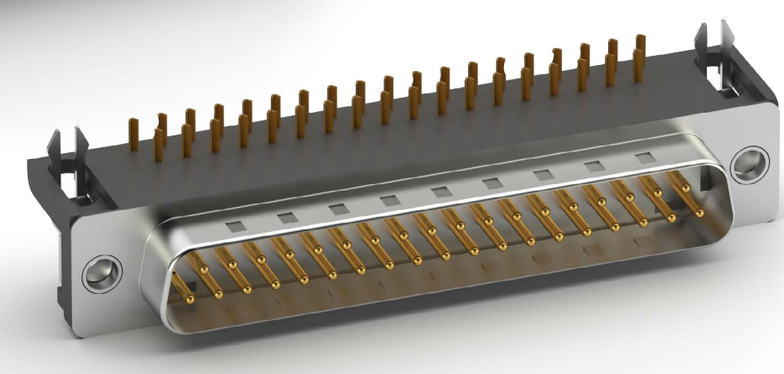
D-Sub Connectors

RIGHT ANGLE .318” [8.08] MOUNT

Adam Tech right angle PCB mount .318" footprint D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25 and 37 positions they are a good choice for a low cost industry standard connection. These connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.







FEATURES & SPECIFICATIONS

FEATURES:
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:
Adam Tech D-Subminiatures and all industry standard
D-Subminiature connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT, 30% glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T
Insulator color: Black
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min
Temperature Rating:
Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

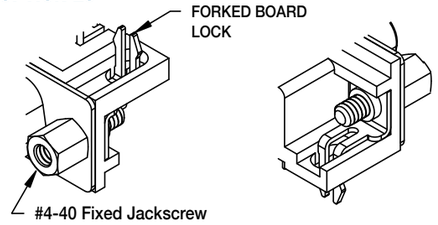
DE09	- PL	- 2	4	- LPJ
SHELL SIZE/ POSITIONS	**CONTACT TYPE**	**PCB MOUNTING OPTIONS**	**MATING FACE/MOUNTING OPTIONS**	**OPTIONS**
DE09 = *9 Position* **DA15** = *15 Position* **DB25** = *25 Position* **DC37** = *37 Position*	**PL** = *Plug, .318” Footprint* **SL** = *Socket, .318” Footprint*	**1** = *Wrap around ground straps with thru holes* **2** = *Forked board locks* **3** = *Top side only ground straps with thru holes* **4** = *Top side only ground straps with #4-40 threaded screw holes*	**3** = *#4-40 fixed jackscrews* **4** = *#4-40 flush threaded inserts* **5** = *#4-40 flush threaded inserts with removable jackscrews installed* **6** = *.120” non-threaded mounting holes*	*Add designator(s) to end of part number* **EMI** = *Ferrite filtered version for EMI/RFI suppression* **LPJ** = *Loose packed jackscrews* **F** = *Superior retention 4 prong boardlocks* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **R** = *Round jackscrews*

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DE09-PL-24-BP	Right Angle .318	9	Plug	Forked Board Locks	View
DXXX-PL-24	Right Angle .318	Multiple Options	Plug	Forked Board Locks	View
DXXX-PL-25	Right Angle .318	Multiple Options	Plug	Forked Board Locks	View
DXXX-SL-24	Right Angle .318	Multiple Options	Socket	Forked Board Locks	View
DXXX-SL-25	Right Angle .318	Multiple Options	Socket	Forked Board Locks	View

RIGHT ANGLE .318” [8.08] MOUNTING OPTIONS

MATING FACE & PCB MOUNTING OPTIONS

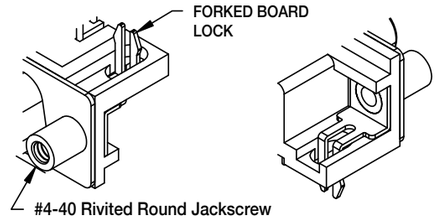
OPTION 23



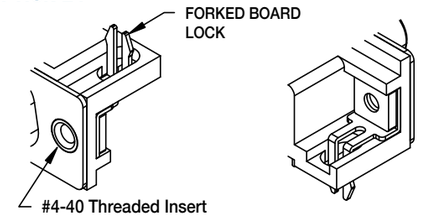
*Standard Stocked Item

OPTION 23-R
OPTION 27

#4-40 Rivited Round Jackscrew (Shown)
#4-40 Rivited Hex Jackscrew (Not Shown)

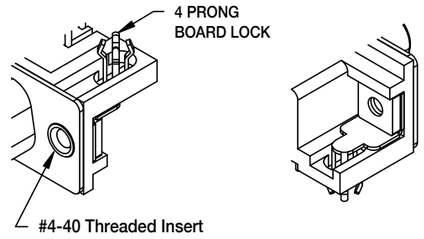


OPTION 24

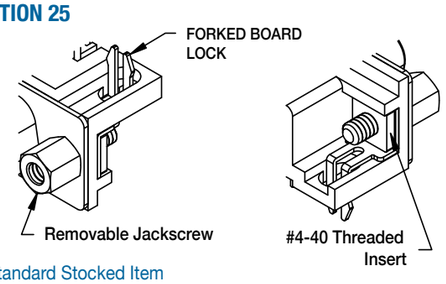


*Standard Stocked Item

OPTION 24-F

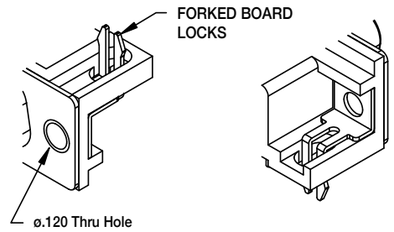


OPTION 25

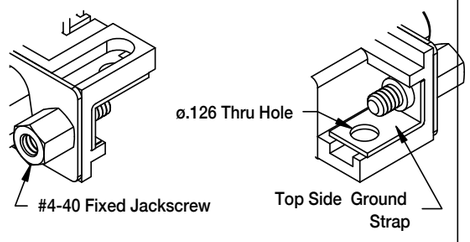


*Standard Stocked Item

OPTION 26



OPTION 33



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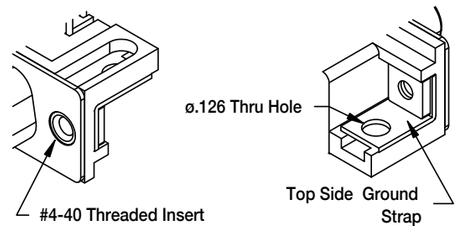

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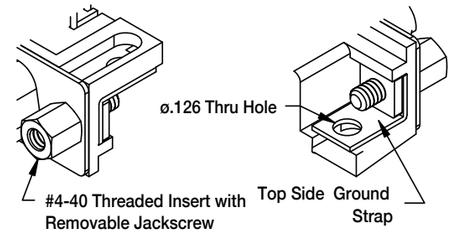
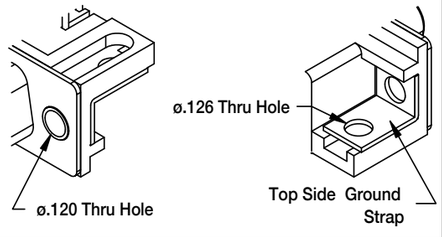
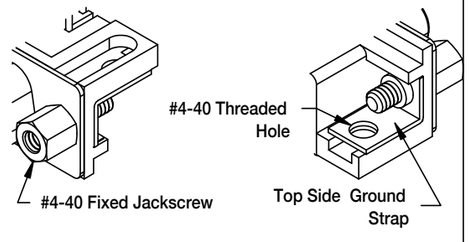


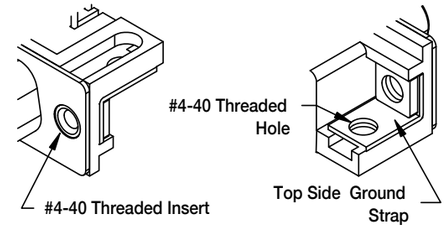
OPTION 36



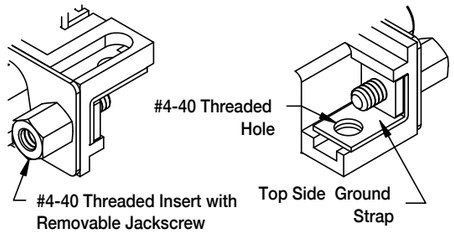
OPTION 43



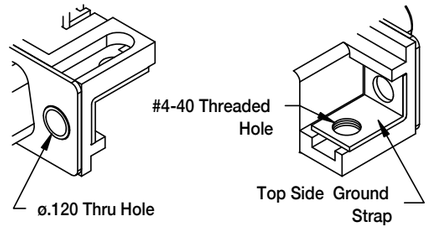
OPTION 44



OPTION 45



OPTION 46



D-Sub Connectors

RIGHT ANGLE .590” [15.00] MOUNT

Adam Tech right angle PCB mount .590” footprint D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25 and 37 positions they are an excellent choice for a low cost industry standard connection. They are available with full or half size PCB side mounting flanges. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

DE09-PQ-R5

DE09-SQ-R5

FEATURES & SPECIFICATIONS

FEATURES:

Half or Full flange options
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard
D-Subminiature connectors.

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T
Insulator Color: Black
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:

Gold over Nickel underplate on contact area.

Electrical:

Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. Initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

Temperature Rating:

Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

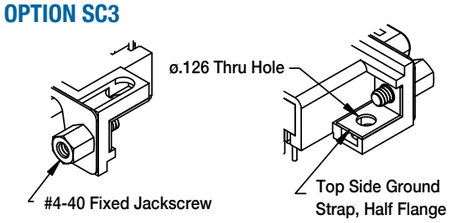
DE09	- PQ	- SB	4	- LPJ
SHELL SIZE/ POSITIONS	**CONTACT TYPE**	**PCB MOUNTING OPTIONS**	**MATING FACE/MOUNTING OPTIONS**	**OPTIONS**
DE09 = *9 Position* **DA15** = *15 Position* **DB25** = *25 Position* **DC37** = *37 Position*	**PQ** = *Plug, .590” Footprint* **SQ** = *Socket, .590” Footprint*	**SA** = *Wrap around ground straps with thru holes on half flange* **SB** = *Wrap around ground straps with thru holes on full flange* **SC** = *Top side only ground straps with thru holes on half flange* **SD** = *Top side only ground straps with thru holes on full flange* **F** = *Forked boardlocks on half flange* **R** = *Forked boardlocks on full flange*	**3** = *#4-40 fixed jackscrews* **4** = *#4-40 flush threaded inserts* **5** = *#4-40 flush threaded inserts with removable jackscrews installed* **6** = *.120” non-threaded mounting holes*	*Add designator(s) to end of part number* **EMI** = *Ferrite filtered version for EMI/RFI suppression* **LPJ** = *Loose packed jackscrews* **F** = *Superior retention 4 prong boardlocks* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **R** = *Round jackscrews*

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DXXX-PQ-SB4	Right Angle .590	Multiple Options	Plug	Wrap-Around Ground Straps with Through Holes on Full Flange	View
DXXX-SQ-F4	Right Angle .590	Multiple Options	Socket	Forked Boardlocks on Half Flange	View
DXXX-SQ-R5	Right Angle .590	Multiple Options	Socket	Forked Boardlocks on Full Flange	View

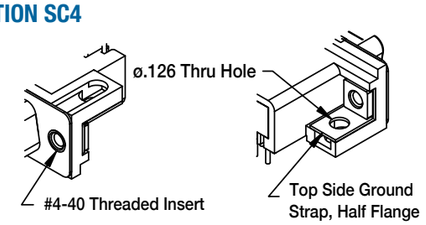
RIGHT ANGLE .590” [15.00] MOUNTING OPTIONS

MATING FACE & PCB MOUNTING OPTIONS

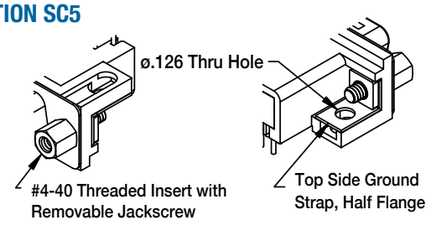
OPTION SC3



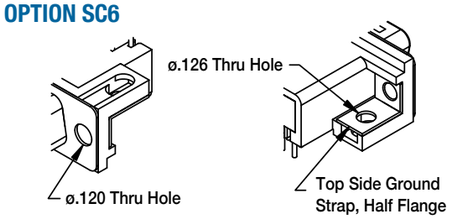
OPTION SC4



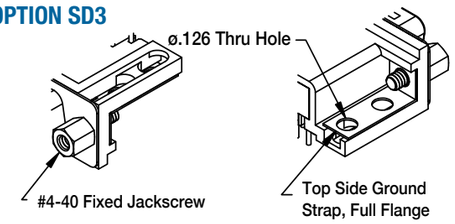
OPTION SC5



OPTION SC6



OPTION SD3



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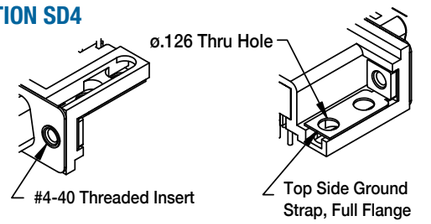

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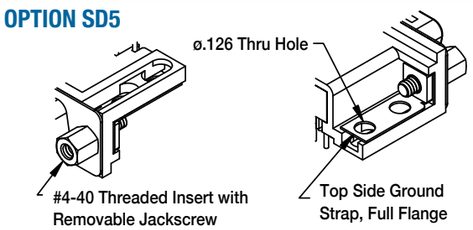
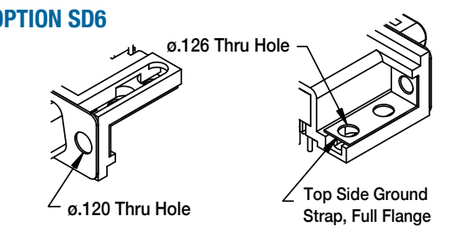
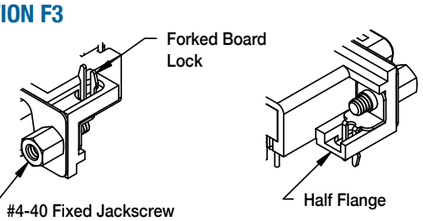


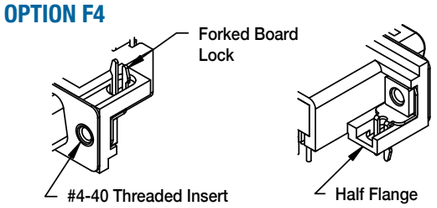
OPTION SD6



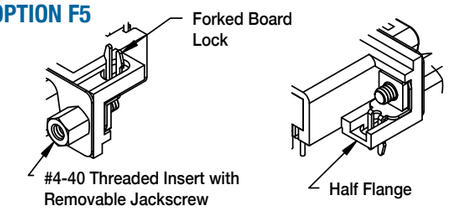
OPTION F3



OPTION F4



OPTION F5



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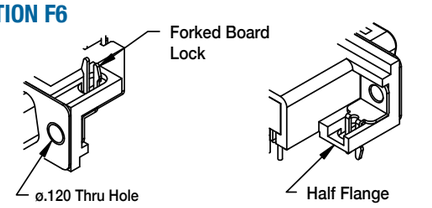
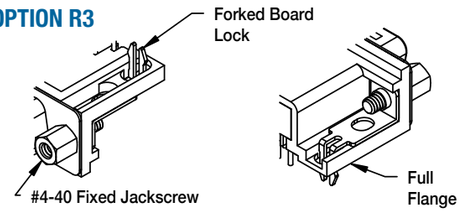
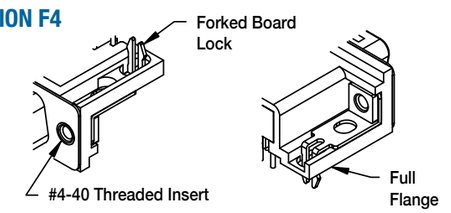


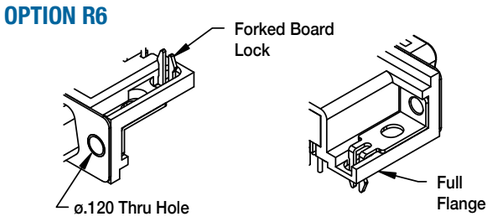
OPTION R3



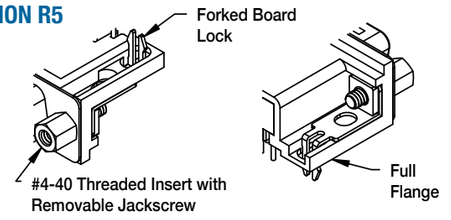
OPTION F4



OPTION R6



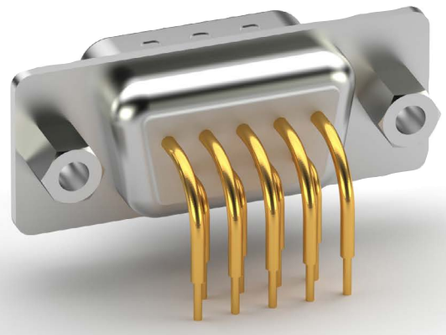
OPTION R5



D-Sub Connectors

RIGHT ANGLE WITH MACHINED CONTACTS

Adam Tech Right Angle .283" footprint D-Sub connectors with Screw Machine Contacts are a popular interface for many I/O applications. Offered in 9, 15, 25 and 37 positions they are a good choice for a high reliability industry standard connection. These connectors are manufactured with precision machine turned contacts and offer an exceptional high reliability connection. They are available in a choice of contact plating and a wide selection of mating and mounting options.



FEATURES & SPECIFICATIONS

FEATURES:

Exceptional Machine Contact connection
Industry standard compatibility
Durable metal shell design
Precision turned screw machined contacts
Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T rated UL94V-0
Insulator Colors: White (Black optional)
Contacts: Phosphor Bronze
Shell: Steel, Tin plated
Hardware: Brass, Nickel plated

Contact Plating:

Gold over Nickel underplate on contact area.

Electrical:

Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

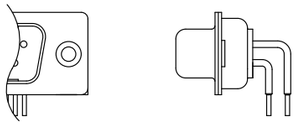
Mechanical:

Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

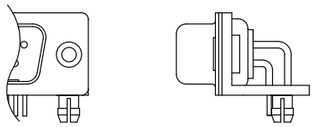
Temperature Rating:

Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

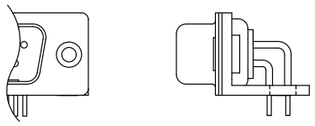
PCB MOUNTING OPTIONS



Option 1: Without Bracket

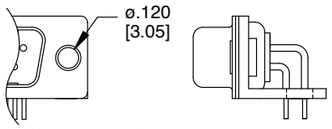


Option 2: Bracket with Board Lock

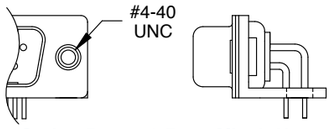


Option 3: Bracket with .120" Mounting Hole

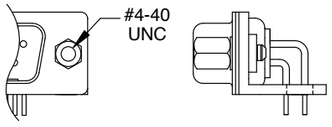
MATING FACE MOUNTING OPTIONS



Option C: .120" Mounting Hole



Option D: #4-40 Rear Clinch Nut



Option E: #4-40 Threaded Insert with removable Jack Screws

PART NUMBER CONFIGURATION

DE09	- PH	- C	1	D	- BK
SHELL SIZE/ POSITIONS	**CONTACT TYPE**	**FOOTPRINT DIMENSION**	**PCB MOUNTING OPTIONS**	**MATING FACE/ MOUNTING OPTIONS**	**OPTIONS**
DE09 = *9 Position* **DA15** = *15 Position* **DB25** = *25 Position* **DC37** = *37 Position* **DC50** = *50 Position*	**PH** = *Plug, Right Angle Machined Contact* **SH** = *Socket, Right Angle Machined Contact*	**C** = *.283" Footprint* **G** = *.370" Footprint*	**1** = *Without Bracket* **2** = *Bracket with forked boardlock* **3** = *Bracket with .120" PCB mounting hole*	*WITH BRACKET MOUNTING* **A** = *Full plastic bracket with #4-40 Threaded Inserts* **B** = *Full plastic bracket with #4-40 Threaded Inserts with removable Jackscrews* **AM** = *Metal brackets with #4-40 Threaded Inserts* **BM** = *Metal brackets with #4-40 Threaded Inserts with removable Jackscrews* *WITHOUT BRACKET MOUNTING* **C** = *.120" Non-Threaded holes* **D** = *#4-40 Rear Clinch Nut* **E**= *#4-40 Clinch Nut with removable Jackscrews*	*Add designator(s) to end of part number* **BK** = *Black insulator* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C*

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DXXX-PH-C1D	Right Angle with Machined Contacts	Multiple Options	Plug	Without Bracket	View
DXXX-PH-C2A	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with Forked Boardlock	View
DXXX-PH-C2AM	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with Forked Boardlock	View
DXXX-PH-C3AM	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with .120" PCB Mounting Hole	View
DXXX-PH-C3B	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with .120" PCB Mounting Hole	View
DXXX-PH-G2BM	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with Forked Boardlock	View
DXXX-PH-G3BM	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with .120" PCB Mounting Hole	View
DXXX-SH-C1C	Right Angle with Machined Contacts	Multiple Options	Socket	.120" Mounting Holes	View
DXXX-SH-C2A	Right Angle with Machined Contacts	Multiple Options	Socket	#4-40 Threaded Flush Inserts	View
DXXX-SH-G2B	Right Angle with Machined Contacts	Multiple Options	Socket	Bracket with Forked Boardlock	View
DXXX-SH-G2BM	Combination D-Sub with Coax or Power	Multiple Options	Socket	Bracket with Forked Boardlock	View
DXXX-SH-G3FM	Combination D-Sub with Coax or Power	Multiple Options	Socket	Bracket with .120" PCB Mounting Hole	View

D-Sub Connectors

STRAIGHT PCB & WIRE WRAP PCB TAIL

ADAM TECH

Adam Tech Straight PCB tail D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25, 37 and 50 positions they are an excellent choice for a low cost, sturdy, full metal body industry standard connection. These connectors are manufactured with precision stamped or machined turned contacts offering a choice of contact plating and a wide selection of mating and mounting options.

FEATURES & SPECIFICATIONS

FEATURES:

Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard
D-Subminiature connectors.

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T
Insulator Colors: Black (White optional)
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:

Gold over Nickel underplate on contact area.

Electrical:

Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

Temperature Rating:

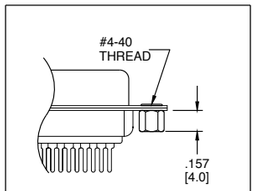
Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

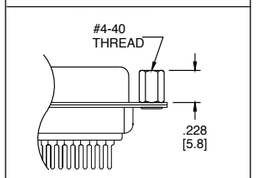
DE09	- PT	- 1	- SL	- EMI
SHELL SIZE/ POSITIONS	**CONTACT TYPE**	**TAIL LENGTH**	**MOUNTING OPTIONS**	**OPTIONS**
DE09 = *9 Position* **DA15** = *15 Position* **DB25** = *25 Position* **DC37** = *37 Position* **DC50** = *50 Position*	**PT** = *Plug, Straight PCB Tail, Standard Profile* **ST** = *Socket, Straight PCB Tail, Standard Profile* **PE** = *Plug, Straight PCB Tail, High Profile* **SE** = *Socket, Straight PCB Tail, High Profile*	**1** = *Standard tail length for .062"-.125" PCB's (E = .189")* **2** = *Wire wrap tail (E = .512")*	*Blank = .120"Mounting Holes* **SL** = *Bottom side riveted #4-40 Clinch Nuts* **JS** = *Top side riveted #4-40 Jackscrews* **BL** = *Riveted #4-40 Internal Threaded Standoffs with Boardlocks* **R** = *Riveted Round Jack Screws* **JSL** = *Bottom side riveted #4-40 Clinch Nuts with Jackscrews installed*	*Add designator(s) to end of part number* **EMI** = *Ferrite filtered version for EMI / RFI suppression* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C*

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DXXX-PE-1	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	.120" Mounting Holes	View
DXXX-PE-1-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	View
DXXX-PE-1-BL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws & Standoffs with Boardlocks	View
DXXX-PE-1-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws	View
DXXX-PE-1-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Clinch Nuts	View
DXXX-PT-1	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	.120" Mounting Holes	View
DXXX-PT-1-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	View
DXXX-PT-1-BL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws & Standoffs with Boardlocks	View
DXXX-PT-1-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws	View
DXXX-PT-1-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Clinch Nuts	View
DXXX-PT-1-SL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Bottom Side Riveted #4-40 Clinch Nuts with Jack Screws Installed	View
DXXX-PT-2	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	.120" Mounting Holes	View
DXXX-PT-2-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	View
DXXX-PT-2-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws	View
DXXX-PT-2-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Clinch Nuts	View
DXXX-SE-1	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	.118" Mounting Holes	View
DXXX-SE-1-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	View
DXXX-SE-1-BL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws & Standoffs with Boardlocks	View
DXXX-SE-1-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws	View
DXXX-ST-1	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	.118" Mounting Holes	View
DXXX-ST-1-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	View
DXXX-ST-1-BL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws & Standoffs with Boardlocks	View
DXXX-ST-1-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws	View
DXXX-ST-1-MC	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	.118" Mounting Holes	View
DXXX-ST-1-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Clinch Nuts	View
DXXX-ST-2	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	.120" Mounting Holes	View
DXXX-ST-2-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	View
DXXX-ST-2-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws	View
DXXX-ST-2-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Clinch Nuts	View

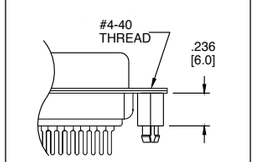
MOUNTING OPTIONS



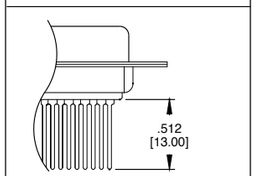
SL Option
Bottom side riveted #4-40 Clinch Nuts



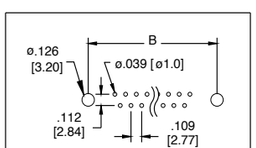
JS Option
Top side riveted #4-40 Jack Screws



BL Option
#4-40 Threaded Boardlocks



Wire Wrap Tail Option
Terminal length -2 wire wrap tail

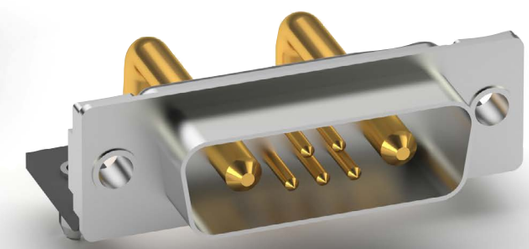


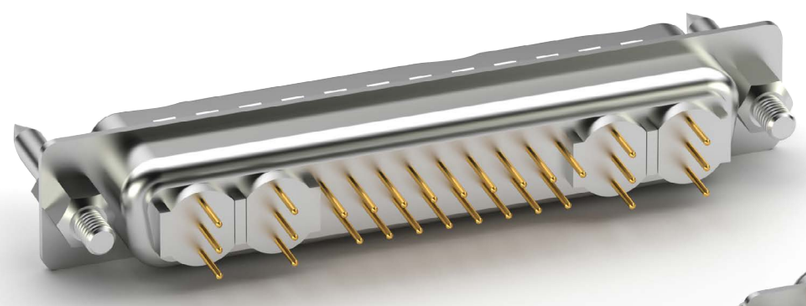
Recommended PCB Layout

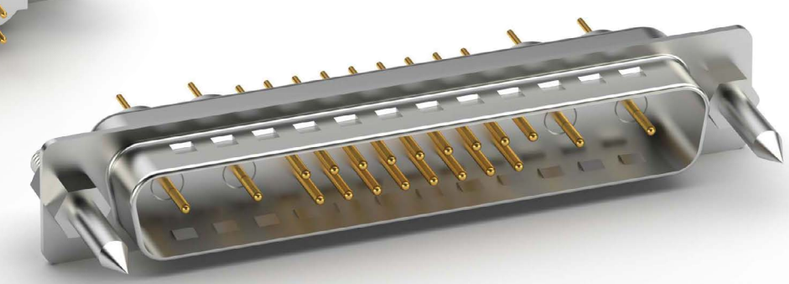
D-Sub Connectors

COMBINATION D-SUB WITH COAX OR POWER

Adam Tech Combination Signal/Coax D-Sub connectors are a popular interface for many mixed signal I/O applications. Offered in five shell sizes they are a good choice for a low cost industry standard connection that requires utilization of standard signal and high performance, low impedance signals either in signal-coax or signal -power choices. Adam Tech connectors are manufactured with precision stamped standard signal contacts and precision turned coax contacts. These connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.







FEATURES & SPECIFICATIONS

Electrical:

Operating voltage: 250V AC / DC max.
Signal Current rating: 5 Amps max.
High Power contact current rating: 20 or 40 Amps.
Coaxial Impedance: 50Ω (75Ω optional)
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

PART NUMBER CONFIGURATION

D11W1	- PL	- 1	- 3
SHELL	**TYPE**	**STYLE**	**MOUNTING OPTIONS**
D1W1, D2W2, D3W3, D5W1, D5W5, D7W2, D8W8, D9W4N, D11W1, D13W3, D13W6, D17W2, D17W5, D21W1, D21W4, D24W7, D25W3, D27W2, D36W4, D43W2	*SIGNAL-COAX:* **PT** = *Plug, Straight PCB* **ST** = *Socket, Straight PCB* **PL** = *Plug, Right Angle PCB* **SL** = *Socket, Right Angle PCB* **PD** = *Plug, Solder Cup* **SD** = *Socket, Solder Cup* *SIGNAL-POWER:* **PTP** = *Plug, Straight PCB, Power Contacts* **STP** = *Socket, Straight PCB, Power Contacts* **PLP** = *Plug, Right Angle PCB, Power Contacts* **SLP** = *Socket, Right Angle PCB, Power Contacts* **PDP** = *Plug, Solder Cup Power Contacts* **SDP** = *Socket, Solder Cup Power Contacts*	*SIGNAL-COAX:* **1** = *50 Ohm* **2** = *75 Ohm* *SIGNAL-POWER:* **3** = *10 Amps* **4** = *20 Amps* **5** = *30 Amps* **6** = *40 Amps* **7** = *50 Amps*	*RIGHT ANGLE:* **1** = *120" non-threaded mounting holes, no bracket* **2** = *Short Bracket with #4-40 flush threaded inserts in mounting holes* **2A** = *Short Bracket with #4-40 flush threaded inserts in mounting holes Jack Screws installed* **3** = *Long Bracket with #4-40 flush threaded inserts in mounting holes* **3A** = *Long Bracket with #4-40 flush threaded inserts in mounting holes Jack Screws installed* *STRAIGHT:* **JS** = *Riveted #4-40 Jack Screws on top of flange* **SL** = *Riveted #4-40 clinch nuts on bottom of flange* **BL** = *Riveted Board Locks*

PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
D11W1-PL-0-3	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	View
D11W1-SL-0-3	Combination D-Sub with Coax or Power	Socket	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	View
D13W3-PD-X-1	Combination D-Sub with Coax or Power	Plug	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	View
D13W3-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D13W3-PL-1-3-BL	Combination D-Sub with Coax or Power	Plug	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	View
D13W3-PLP-X-3-BL-JS	Combination D-Sub with Coax or Power	Plug		Signal-Power	View
D13W3-PT-X-BL	Combination D-Sub with Coax or Power	Plug		Signal-Coax	View
D13W3-PTP-X	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View

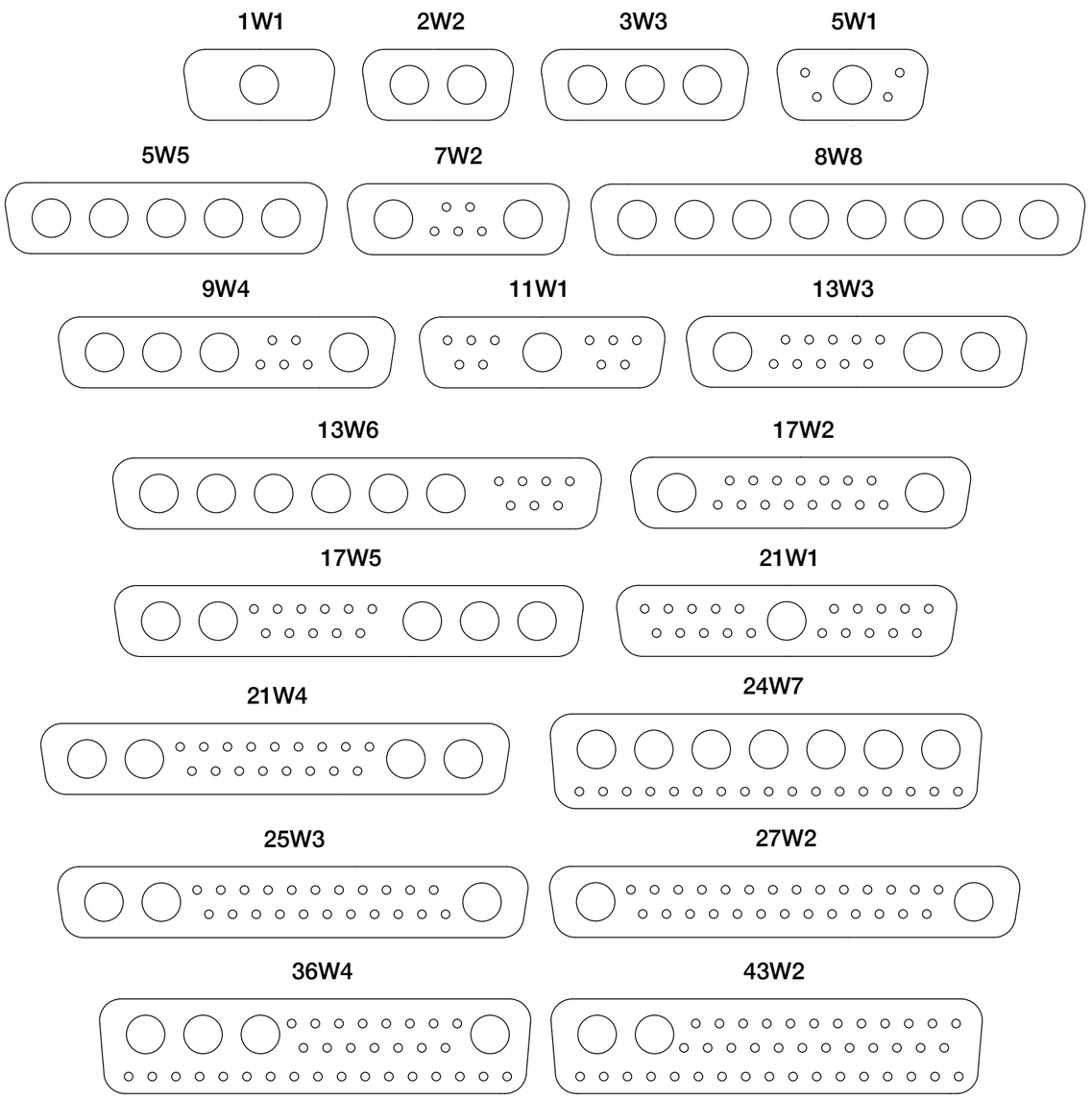
PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
D13W3-SD-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D13W3-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D13W3-ST-X-BL	Combination D-Sub with Coax or Power	Socket		Signal-Coax	View
D13W3-STP-X	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D17W2-PD-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D17W2-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D17W2-PL-2-2-BL	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	View
D17W2-SD-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D17W2-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D17W2-SL-2-2-BL	Combination D-Sub with Coax or Power	Socket	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	View
D17W2-SLP-X-2	Combination D-Sub with Coax or Power	Socket	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	View
D17W5-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D17W5-PLP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D17W5-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D17W5-SLP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D21W4-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D21W4-PL-1-3-BL	Combination D-Sub with Coax or Power	Plug	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	View
D21W4-PLP-X-2	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	View
D21W4-PTP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D21W4-SL-1-3-BL	Combination D-Sub with Coax or Power	Socket	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	View
D21W4-SLP-X-2	Combination D-Sub with Coax or Power	Socket	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	View
D21W4-ST-2	Combination D-Sub with Coax or Power	Socket		Signal-Coax	View
D21W4-STP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D24W7-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D24W7-PTP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D24W7-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View

PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
D24W7-SL-1-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D24W7-STP-X-BL	Combination D-Sub with Coax or Power	Socket		Signal-Power	View
D25W3-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D25W3-PT-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D25W3-PTP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D25W3-SLP-X-2	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	View
D25W3-ST-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D25W3-STP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D27W2-PD-1-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D27W2-SD-1-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D2W2-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D2W2-PLP-X-2-BL	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	View
D2W2-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D2W2-SLP-X-2-BL	Combination D-Sub with Coax or Power	Socket		Signal-Power	View
D36W4-PD-1-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D36W4-SD-1-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D3W3-PD-2-1	Combination D-Sub with Coax or Power	Plug		Signal-Coax	View
D3W3-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D3W3-PL-1-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D3W3-PLP-XX-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D3W3-PTP-X-BL	Combination D-Sub with Coax or Power	Plug		Signal-Power	View
D3W3-SD-2-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D3W3-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D3W3-SL-1-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D3W3-SLP-XX-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D43W2-PD-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View

PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
D43W2-SD-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D5W1-SL-1-2A-BL	Combination D-Sub with Coax or Power	Socket	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes, Jack Screws Installed	Signal-Coax	View
D5W5-PD-1-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D5W5-PD-2-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D5W5-PDP-X1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D5W5-PLP-XX-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D5W5-PTP-X-BL	Combination D-Sub with Coax or Power	Plug		Signal-Power	View
D5W5-SDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D5W5-SL-1-2A	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes, Jack Screws Installed	Signal-Coax	View
D5W5-SLP-X-2A	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes, Jack Screws Installed	Signal-Power	View
D5W5-STP-X-BL	Combination D-Sub with Coax or Power	Socket		Signal-Power	View
D7W2-PD-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D7W2-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D7W2-PLP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D7W2-PTP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D7W2-SD-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D7W2-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D7W2-SLP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D7W2-STP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D8W8-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D8W8-PL-1-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D8W8-PLP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D8W8-PTP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D8W8-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D8W8-SL-1-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	View
D8W8-SLP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View

PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
D8W8-STP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D9W4-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D9W4-PLP-X-3-BL	Combination D-Sub with Coax or Power	Plug	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	View
D9W4-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	View
D9W4-SLP-X-3-BL	Combination D-Sub with Coax or Power	Socket	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	View

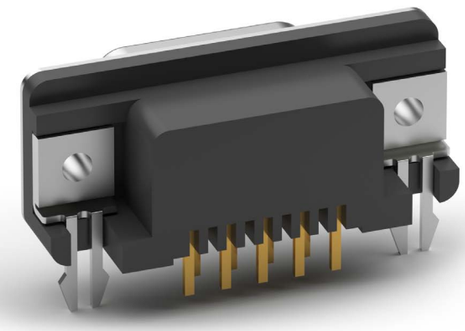
SHELL CONFIGURATIONS

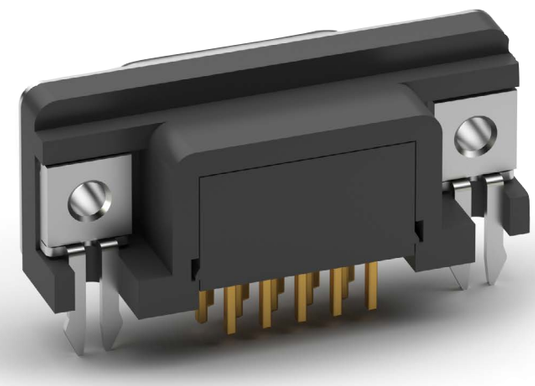


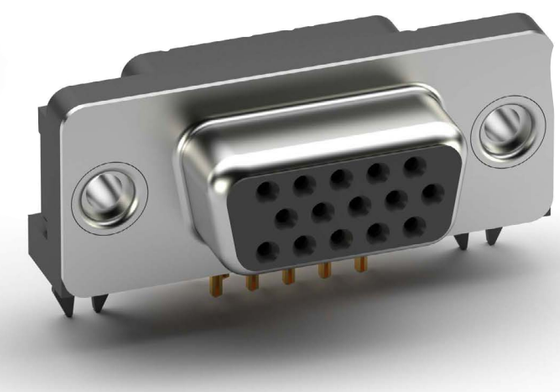
D-Sub Connectors

RIGHT ANGLE .197” [5.00] SLIMLINE

Adam Tech Right Angle Slimline PCB tail D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15 and 25 positions they are an excellent choice for a low cost industry standard connection and are ideal for low profile design requirements. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.







FEATURES & SPECIFICATIONS

FEATURES:
Short profile space saving design
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:
Adam Tech D-Subminiatures and all industry standard
D-Subminiature connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT, 30% glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T
Insulator Color: Black
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

Temperature Rating:
Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

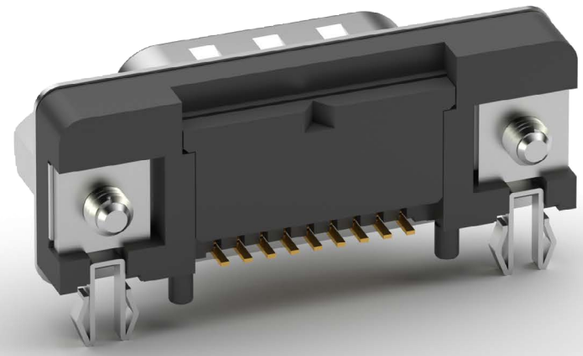
DE09	- PN	- 24	- R
SHELL SIZE/ POSITIONS	**CONTACT TYPE**	**MOUNTING OPTIONS**	**OPTIONS**
DE09 = *9 Positions* **DB25** = *25 Positions* **HD15** = *High Density 15 Positions*	**PN** = *Plug, .197” Slimline* **SN** = *Socket, .197” Slimline*	**24** = *Forked Boardlocks for PCB Retention and #4-40 threaded inserts in mounting holes* **25** = *Forked Boardlocks for PCB retention and #4-40 threaded inserts in mounting holes with installed jackscrews*	*Add designator(s) to end of part number* **LPJ** = *Loose packed jackscrews* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **R** = *Round jackscrews*

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
DXXX-PN-24	Right Angle .197	Multiple Options	Plug	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes		View
DXXX-SN-24	Right Angle .197	Multiple Options	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes		View
DXXX-SN-25	Right Angle .197	Multiple Options	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes with Installed Jackscrews		View
HD15-SN-24	Right Angle .197	15	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes		View
HDXX-SN-24	High Density D-Sub	Multiple Options	Socket		Right Angle PCB Mount	View
HDXX-SN-25	High Density D-Sub	Multiple Options	Socket		Right Angle PCB Mount	View

D-Sub Connectors

RIGHT ANGLE SMT .118” [3.00] SLIMLINE

Adam Tech Right Angle SMT Slimline D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15 and 25 positions they are an excellent choice for a low cost industry standard connection and are ideal for low profile design requirements. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.



FEATURES & SPECIFICATIONS

FEATURES:
Short profile space saving design
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:
Adam Tech D-Subminiatures and all industry standard
D-Subminiature connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: Hi-Temperature thermoplastic, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze or Brass
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 250V AC / DC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

Temperature Rating:
Operating temperature: -55°C to +105°C
Soldering process temperature: 260°C

PART NUMBER CONFIGURATION

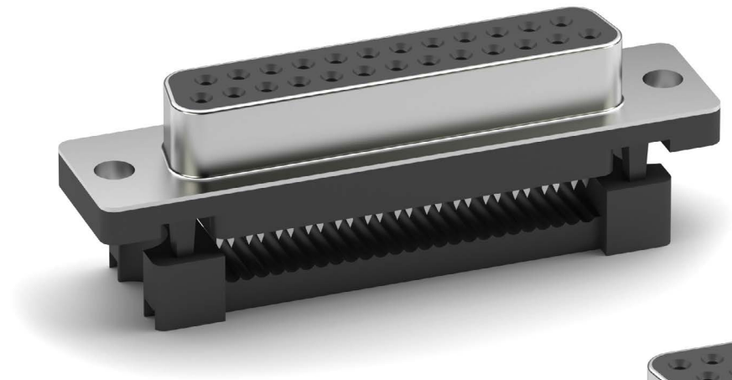
DB25	-	PS	-	25	-	R
SHELL SIZE/ POSITIONS		**CONTACT TYPE**		**MOUNTING OPTIONS**		**OPTIONS**
DE09 = *9 Positions* **DB25** = *25 Positions* **HD15** = *High Density 15 Positions*		**PS** = *Plug Surface Mount* **SS** = *Socket Surface Mount*		**24** = *Forked Boardlocks for PCB Retention and #4-40 threaded inserts in mounting holes* **25** = *Forked Boardlocks for PCB retention and #4-40 threaded inserts in mounting holes with installed jackscrews*		*Add designator(s) to end of part number* **R** = *Round jackscrews*

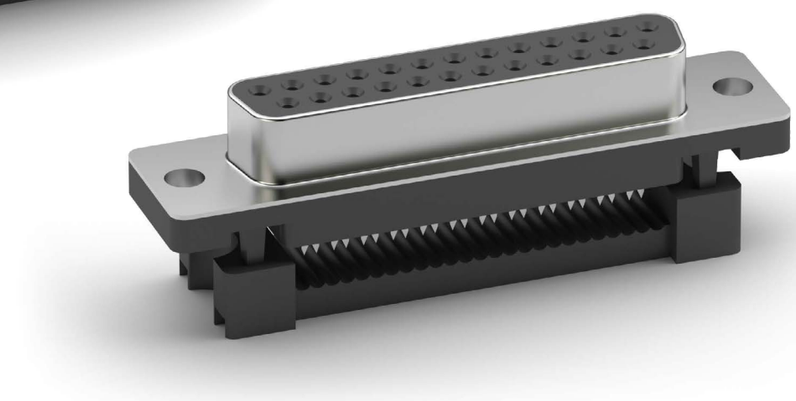
PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DB25-PS-25	Right Angle .118	25	Plug	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes with Installed Jackscrews	View
DB25-SS-24	Right Angle .118	25	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes	View
DE09-PS-25	Right Angle .118	9	Plug	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes with Installed Jackscrews	View
DE09-SS-24	Right Angle .118	9	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes	View
DXXX-SS-24	Right Angle .318	25	Socket	Forked Board Locks	View
HDL15-SS-24	Right Angle .118	15	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes	View
HDL15-SS-25	Right Angle .118	15	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes with Installed Jackscrews	View

D-Sub Connectors

IDC FLAT CABLE TERMINATION

Adam Tech Flat Cable IDC D-Sub connectors are a popular interface for many I/O and cable assembly applications. Offered in 9, 15, 25, 37 and 50 positions they are an excellent choice for a low cost industry standard connection that terminates .050" flat cable quickly, easily and compactly. These connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.





FEATURES & SPECIFICATIONS

FEATURES:
Quickly terminates to flat cable
Industry standard compatibility
Durable metal shell design
Integral strain relief available
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:
Adam Tech D-Subminiatures and all industry standard
D-Subminiature connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, 30% glass reinforced, rated UL94V-0
Insulator Colors: Black (Blue optional)
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min
Recommended cable size: 28 to 30 Awg.

Temperature Rating:
Operating temperature: -55°C to +105°C

PART NUMBER CONFIGURATION

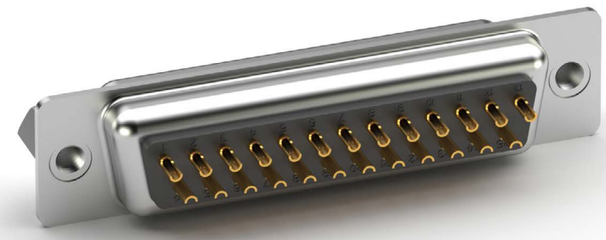
DE09	- PF	- M	1	BU
SHELL SIZE/ POSITIONS	**CONTACT TYPE**	**BODY CONSTRUCTION**	**MOUNTING OPTIONS**	**OPTIONS**
DE09 = *9 Position* **DA15** = *15 Position* **DB25** = *25 Position* **DC37** = *37 Position* **DC50** = *50 Position*	**PF** = *Plug, IDC* **SF** = *Socket, IDC* *STRAIN RELIEF PART NO.:* **DSR-09** = *9 Position* **DSR-15** = *15 Position* **DSR-25** = *25 Position* **DSR-37** = *37 Position* **DSR-50** = *50 Position*	**M** = *Metal shell* **P** = *All plastic body*	**1** = *.130" mounting holes* **2** = *#4-40 threaded flush inserts (Metal Shell only)*	*Add designator(s) to end of part number* **BU** = *Blue color insulator*

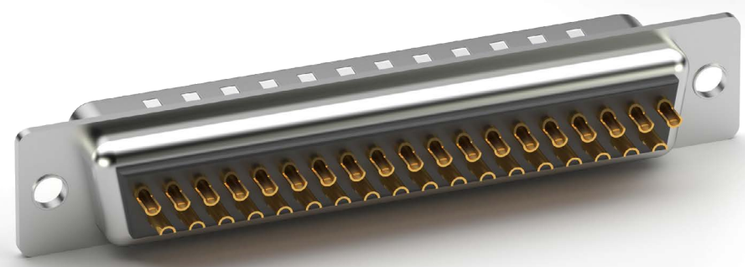
PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DXXX-PF-M1	IDC Flat Cable Termination	Multiple Options	Plug	.130" Mounting Holes	View
DXXX-PF-M2	IDC Flat Cable Termination	Multiple Options	Plug	#4-40 Threaded Flush Inserts	View
DXXX-PF-P1	IDC Flat Cable Termination	Multiple Options	Plug	.130" Mounting Holes	View
DXXX-PF-P2	IDC Flat Cable Termination	Multiple Options	Plug	#4-40 Threaded Flush Inserts	View
DXXX-SF-M1	IDC Flat Cable Termination	Multiple Options	Socket	.130" Mounting Holes	View
DXXX-SF-M2	IDC Flat Cable Termination	Multiple Options	Socket	#4-40 Threaded Flush Inserts	View
DXXX-SF-P1	IDC Flat Cable Termination	Multiple Options	Socket	.130" Mounting Holes	View
DXXX-SF-P2	IDC Flat Cable Termination	Multiple Options	Socket	#4-40 Threaded Flush Inserts	
DSR-XX	Strain Relief				View

D-Sub Connectors

SOLDER CUP TERMINATION

Adam Tech Solder Cup D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25, 37 and 50 positions, they are an excellent choice for a low cost industry standard connection. These connectors are manufactured with precision stamped contacts, and offer a wide selection of mating and mounting options. Adam Tech Solder Cup connectors can be soldered to cable ends or mounted directly to a PCB card edge.





FEATURES & SPECIFICATIONS

FEATURES:
Cable or edge card mounting
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Mating and mounting options

MATING CONNECTORS:
Adam Tech D-Subminiatures and all industry standard
D-Subminiature connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, 30% glass reinforced, rated UL94V-0
Insulator Colors: Black (White optional)
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

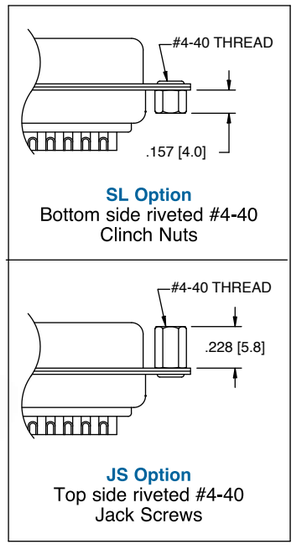
Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

Temperature Rating:
Operating temperature: -55°C to +105°C

MOUNTING OPTIONS



PART NUMBER CONFIGURATION

DE09	- PD	- JS	- WT
SHELL SIZE/POSITIONS	CONTACT TYPE	MOUNTING OPTIONS	OPTIONS
DE09 = *9 Position* **DA15** = *15 Position* **DB25** = *25 Position* **DC37** = *37 Position* **DC50** = *50 Position*	**PD** = *Solder Cup, Plug* **SD** = *Solder Cup, Socket*	*Blank = .120" Mounting Holes* **SL** = *Bottom Side Riveted, #4-40 clinch nuts* **JS** = *Top Side Riveted, #4-40 Jack Screws*	*Add designator(s) to end of part number* **WT** = *White color insulator*

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DXXX-PD	Solder Cup Termination	Multiple Options	Plug	.120" Mounting Holes	View
DXXX-PD-JS	Solder Cup Termination	Multiple Options	Plug	Top Side Riveted, #4-40 Jack Screws	View
DXXX-PD-MC	Solder Cup Termination	Multiple Options	Plug	.118" Mounting Holes	View
DXXX-PD-SL	Solder Cup Termination	Multiple Options	Plug	Bottom Side Riveted, #4-40 Clinch Nuts	View
DXXX-SD	Solder Cup Termination	Multiple Options	Socket	.120" Mounting Holes	View
DXXX-SD-JS	Solder Cup Termination	Multiple Options	Socket	Top Side Riveted, #4-40 Jack Screws	View
DXXX-SD-MC	Solder Cup Termination	Multiple Options	Socket	.118" Mounting Holes	View
DXXX-SD-SL	Solder Cup Termination	Multiple Options	Socket	Bottom Side Riveted, #4-40 Clinch Nuts	View
DE09-SD-LC-KIT-X	Strain Relief				View

D-Sub Connectors

CRIMP AND POKE SYSTEM

Adam Tech Crimp and Poke D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25, 37 and 50 positions they are a low cost alternative to soldering a connector to cable. Contacts are crimped onto discrete wires and pushed into the connector body. The connector is comprised of a metal shell and plastic insulator and is available with a variety of mating options. The contacts are precision stamped and are available in a variety of platings.

FEATURES & SPECIFICATIONS

FEATURES:
Low cost no solder alternative
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:
Adam Tech D-Subminiatures and all industry standard
D-Subminiature connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, 30% glass reinforced, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

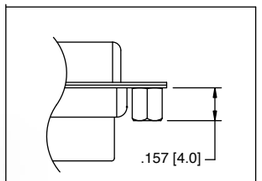
Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

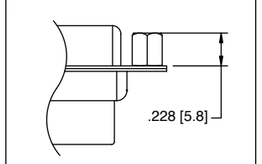
Mechanical:
Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

Temperature Rating:
Operating temperature: -55°C to +105°C

MOUNTING OPTIONS



SL Option
Bottom side riveted #4-40 Clinch Nuts



JS Option
Top side riveted #4-40 Jack Screws

HOUSING PART NUMBER CONFIGURATION

DE09	-	PR	-	JS
SHELL SIZE/POSITIONS		**CONTACT TYPE**		**MOUNTING OPTIONS**
DE09 = *9 Position* **DA15** = *15 Position* **DB25** = *25 Position* **DC37** = *37 Position* **DC50** = *50 Position*		**PR** = *Plug, Crimp and Poke* **SR** = *Socket, Crimp and Poke*		*Blank = .120" Mounting Holes* **SL** = *Bottom Side Riveted, #4-40 clinch nuts* **JS** = *Top Side Riveted, #4-40 Jack Screws*

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DXXX-PR	Crimp and Poke System	Multiple Options	Plug	.120" Mounting Holes	View
DXXX-PR-JS	Crimp and Poke System	Multiple Options	Plug	Riveted #4-40 Jack Screws	View
DXXX-PR-SL	Crimp and Poke System	Multiple Options	Plug	Riveted #4-40 Clinch Nuts	View
DXXX-SR	Crimp and Poke System	Multiple Options	Socket	.120" Mounting Holes	View
DXXX-SR-JS	Crimp and Poke System	Multiple Options	Socket	Riveted #4-40 Jack Screws	View
DXXX-SR-SL	Crimp and Poke System	Multiple Options	Socket	Riveted #4-40 Clinch Nuts	View

Adam Tech's Crimp and Poke D-Sub Contacts provide support to our crimp and poke D-Sub connectors. These plug and socket contacts are gold plated and can accommodate wire gauges of 24-28 AWG.

FEATURES & SPECIFICATIONS

FEATURES:
Plug and socket contacts
Precision formed
Wire gauge: 24-28 AWG
Gold flash plated

SPECIFICATIONS:

Material:
Contact: Phosphor bronze
Contact Plating:
Gold flash over nickel underplate overall

Electrical:
Current rating: 3 Amps max
Voltage rating: 250V AC max
Contact resistance: 20 mohms max initial

Mechanical:
Recommended wire range: 24-28 AWG

Temperature Rating:
Operating temperature range: -55°C to +105°C

PACKAGING:
Loose cut
Tape and reel

CONTACTS PART NUMBER CONFIGURATION

DCP	-	01	-	R
CONTACT WIRE RANGE		CONTACT TYPE		PACKAGING
DCP = *Plug Contact* **DCS** = *Socket Contact*		**01** = *24-26 AWG* **02** = *20-22 AWG* **03** = *28-30 AWG*		**R** = *10,000 piece reel*

PART NUMBER	TYPE	PRODUCT DATA
DCP-01-X	Crimp and Poke System - Contacts	View
DCS-01-X	Crimp and Poke System - Contacts	View
DCS-01A-R	Crimp and Poke System - Contacts	View

D-Sub Connectors

FLUSH MOUNT STRAIGHT PCB TAIL

Adam Tech Flush Mount Straight PCB tail D-Sub connectors are a popular interface for many limited space I/O applications. Offered in 9, 15 and 25 positions they are an excellent choice for a low cost industry standard connection and are ideal for low profile design requirements. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

FEATURES & SPECIFICATIONS

FEATURES:
Low profile space saving design
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:
Adam Tech D-Subminiatures and all industry standard
D-Subminiature connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT, 30% glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T
Insulator Color: Black
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. Initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

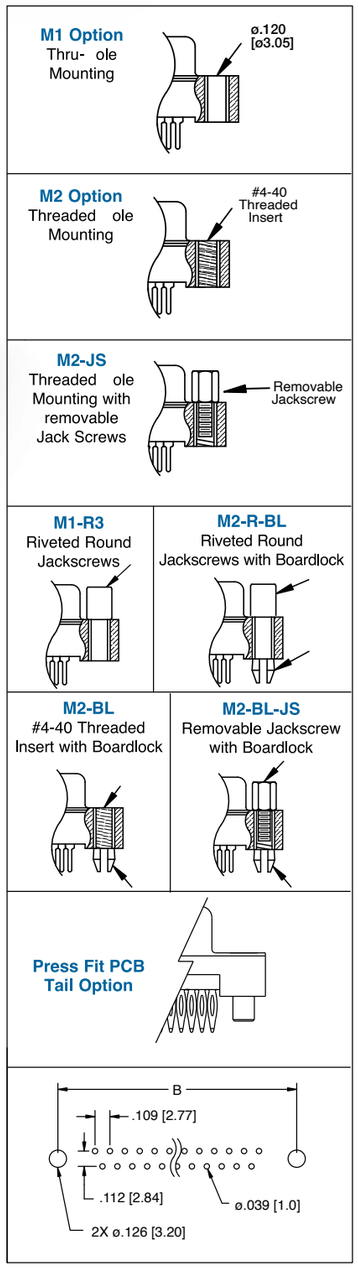
Temperature Rating:
Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

DE09	- PA	- SA	- M1	-
SHELL SIZE/ POSITIONS	**CONTACT TYPE**	**PCB MOUNTING OPTIONS**	**MATING FACE/MOUNTING OPTIONS**	**OPTIONS**
DE09 = *9 Position* **DA15** = *15 Position* **DB25** = *25 Position* **DC37** = *37 Position*	**PA** = *Plug, Flush mount, Straight PCB Tail* **SA** = *Socket, Flush Mount,Straight PCB Tail*	**SA** = *Wrap around ground straps with thru holes on half flange* **SB** = *Wrap around ground straps with thru holes on full flange* **SC** = *Top side only ground straps with thru holes on half flange* **SD** = *Top side only ground straps with thru holes on full flange* **F** = *Forked boardlocks on half flange* **R** = *Forked boardlocks on full flange*	**M1** = *Thru Hole Mounting* **M2** = *#4-40 Threaded mounting holes* **M1-R3** = *Round Jackscrews on top side* **M2-R-BL** = *Round Jackscrews on top side with Boardlocks underneath* **M2-JS** = *#4-40 Threaded Holes with removable Jackscrews* **M2- BL** = *Riveted #4-40 Internal Threaded Standoffs with Boardlocks* **M2-BL-JS** = *Removable Jackscrews with Boardlocks*	*Add designator(s) to end of part number* **PF** = *Press Fit Pins* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C*

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DXXX-PA-M1	Flush Mount Straight PCB Tails	Multiple Options	Plug	Through Hole Mounting	View
DXXX-PA-M2	Flush Mount Straight PCB Tails	Multiple Options	Plug	#4-40 Threaded Mounting Holes	View
DXXX-PA-M2-BL	Flush Mount Straight PCB Tails	Multiple Options	Plug	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	View
DXXX-PA-M2-BL-JS	Flush Mount Straight PCB Tails	Multiple Options	Socket	Removable Jackscrews with Boardlocks	View
DXXX-PA-M2-JS	Flush Mount Straight PCB Tails	Multiple Options	Plug	#4-40 Threaded Holes with Removable Jackscrews	View
DXXX-PA-M2-R-BL	Flush Mount Straight PCB Tails	Multiple Options	Plug	Round Jackscrews on Top Side with Boardlocks Underneath	View
DXXX-SA-M1	Flush Mount Straight PCB Tails	Multiple Options	Socket	Through Hole Mounting	View
DXXX-SA-M2	Flush Mount Straight PCB Tails	Multiple Options	Socket	#4-40 Threaded Mounting Holes	View
DXXX-SA-M2-BL	Flush Mount Straight PCB Tails	Multiple Options	Socket	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	View
DXXX-SA-M2-BL-JS	Flush Mount Straight PCB Tails	Multiple Options	Socket	Removable Jackscrews with Boardlocks	View
DXXX-SA-M2-JS	Flush Mount Straight PCB Tails	Multiple Options	Socket	#4-40 Threaded Holes with Removable Jackscrews	View
DXXX-SA-M2-R-BL	Flush Mount Straight PCB Tails	Multiple Options	Socket	Round Jackscrews on Top Side with Boardlocks Underneath	View

MOUNTING OPTIONS

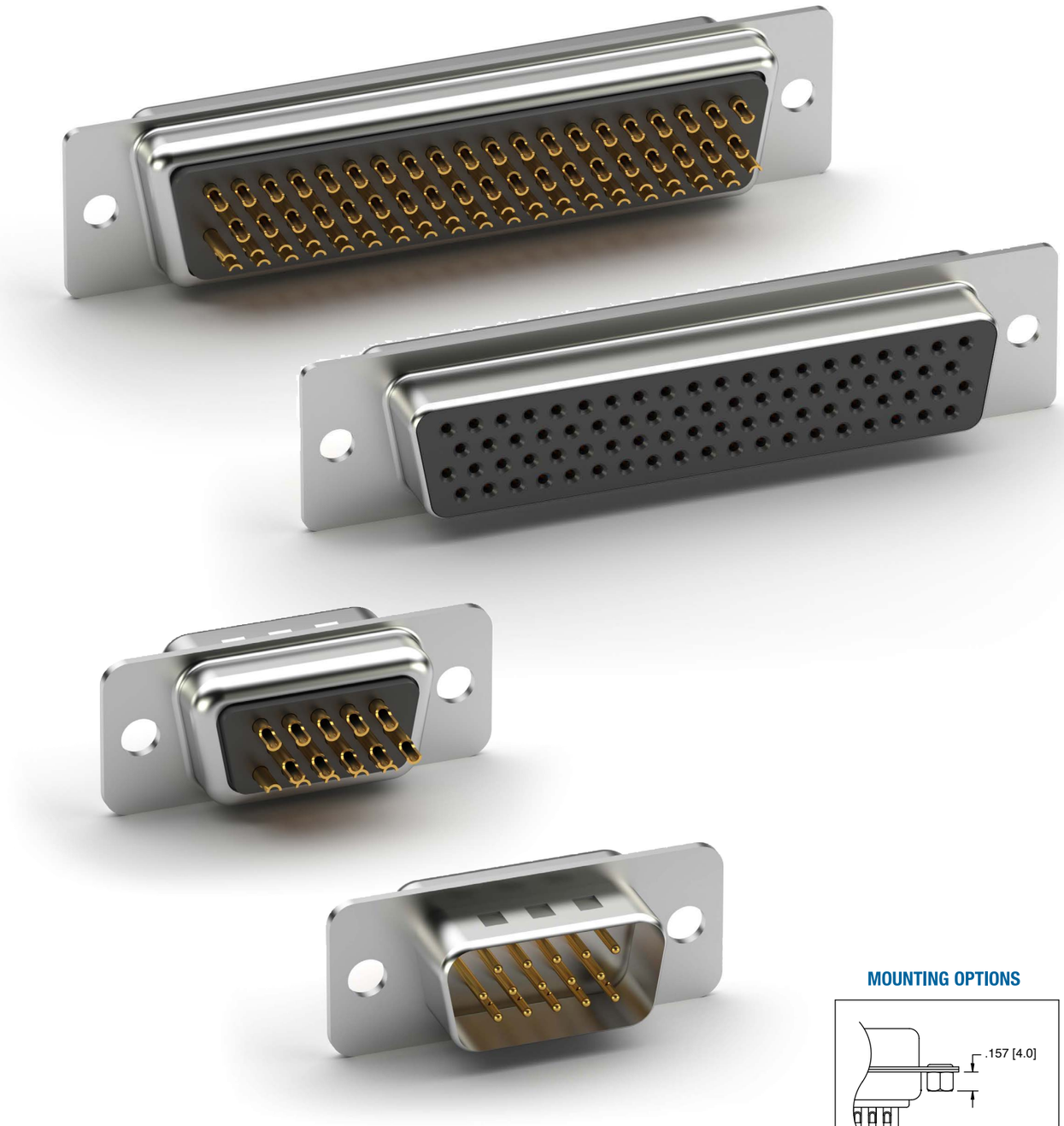


Recommended PCB Layout

High Density D-Sub

SOLDER CUP TERMINATION

Adam Tech Solder Cup High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions, they are a good choice for a low cost industry standard high density connection. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.



FEATURES & SPECIFICATIONS

FEATURES:
High Density pin count in standard size shell
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Mating and mounting options

MATING CONNECTORS:
Adam Tech high density D-Subminiatures and all industry standard high density D-Subminiature connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, 30% glass reinforced, rated UL94V-0
Insulator Colors: Black (White optional)
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

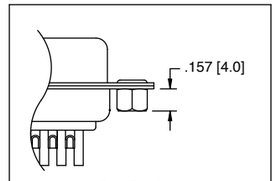
Temperature Rating:
Operating temperature: -55°C to +105°C

PART NUMBER CONFIGURATION

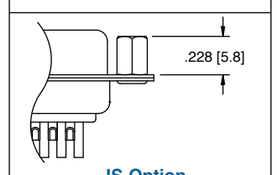
HDT	15	-	PD	-	WT
SERIES	POSITIONS		CONTACT TYPE		OPTIONS
HDT = *High Density D-Sub*	**15** = *15 Position* **26** = *26 Position* **44** = *44 Position* **62** = *62 Position* **78** = *78 Position*		**PD** = *Plug, Solder Cup* **SD** = *Socket, Solder Cup*		*Add designator(s) to end of part number* **WT** = *White color insulator* **SL** = *Bottom side Riveted #4-40 Clinch Nuts* **JS** = *#4-40 Jackscrews installed*

PART NUMBER	TYPE	POSITIONS	GENDER	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
HDTXX-PD	High Density D-Sub	Multiple Options	Plug	Solder Cup Termination	View
HDTXX-SD	High Density D-Sub	Multiple Options	Socket	Solder Cup Termination	View
HDTXX-SD-JS	High Density D-Sub	Multiple Options	Socket	Solder Cup Termination	View

MOUNTING OPTIONS



SL Option
Bottom side riveted #4-40 Clinch Nuts

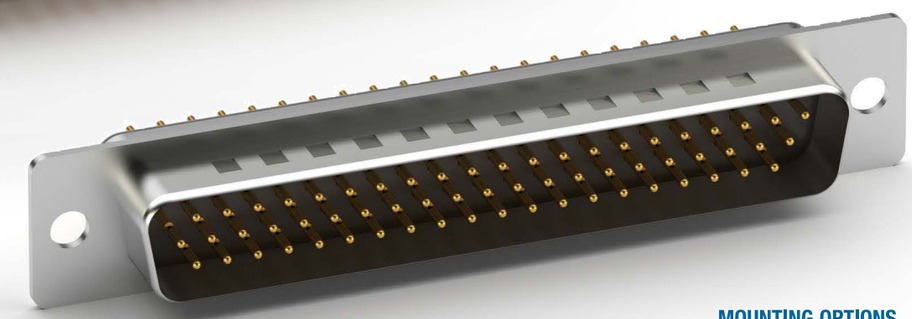


JS Option
Top side riveted #4-40 Jack Screws

High Density D-Sub

STRAIGHT PCB TAIL

Adam Tech Straight PCB tail High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions they are a good choice for a low cost industry standard high density connection. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.



FEATURES & SPECIFICATIONS

FEATURES:

High Density pin count in standard size shell
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech high density D-Subminiatures and all industry standard high density D-Subminiature connectors.

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T rated UL94V-0
Insulator Colors: Black (White optional)
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:

Gold over Nickel underplate on contact area.

Electrical:

Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

Temperature Rating:

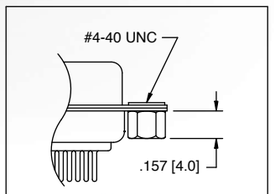
Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

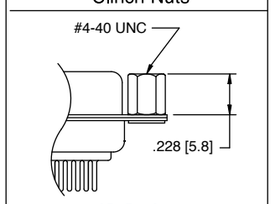
HDT	15	-	PT	-	WT
SERIES	POSITIONS		CONTACT TYPE		OPTIONS
HDT = *High Density D-Sub*	**15** = *15 Position* **26** = *26 Position* **44** = *44 Position* **62** = *62 Position* **78** = *78 Position*		**PT** = *Plug, Straight PCB Tail* **ST** = *Socket, Straight PCB Tail*		*Add designator(s) to end of part number* **WT** = *White color insulator* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **SL** = *Bottom side Riveted #4-40 Clinch Nuts* **JS** = *#4-40 Jackscrews installed*

PART NUMBER	TYPE	POSITIONS	GENDER	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
HDTXX-PT	High Density D-Sub	Multiple Options	Plug	Straight PCB Tail	View
HDTXX-ST	High Density D-Sub	Multiple Options	Socket	Straight PCB Tail	View

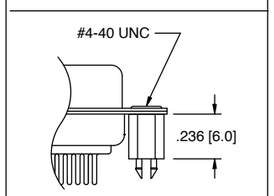
MOUNTING OPTIONS



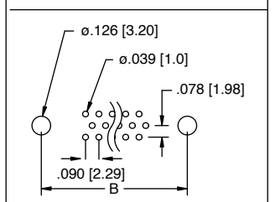
SL Option
Bottom side riveted #4-40 Clinch Nuts



JS Option
Top side riveted #4-40 Jack Screws



BL Option
Bottom side riveted #4-40 Clinch Nuts with PCB Boardlocks

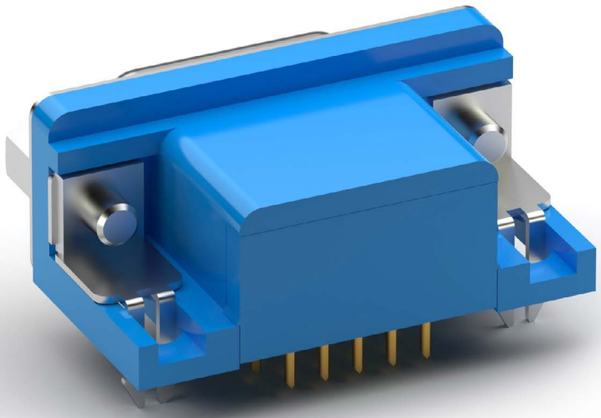


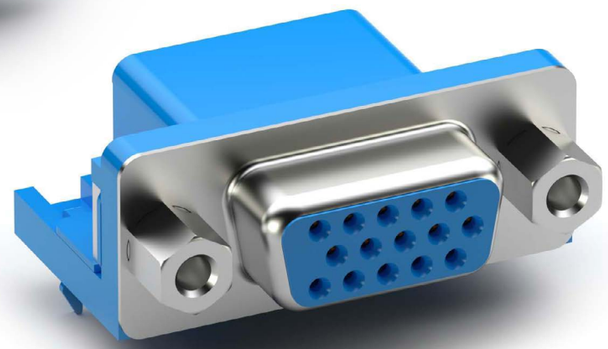
Recommended PCB Layout

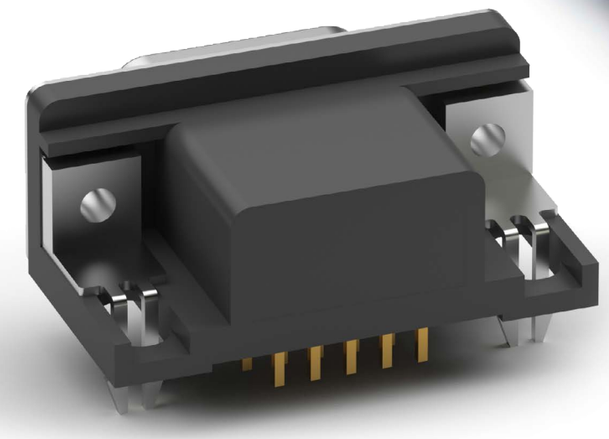
High Density D-Sub

RIGHT ANGLE PCB MOUNT

Adam Tech right angle PCB mount High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions they are a good choice for a low cost industry standard high density connection. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.







FEATURES & SPECIFICATIONS

FEATURES:

High Density in standard size shell
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech high density D-Subminiatures and all industry standard high density D-Subminiature connectors.

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T rated UL94V-0
Insulator Colors:
HDL Series: Black
HDVG Series: Blue
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:

Gold over Nickel underplate on contact area.

Electrical:

Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

Temperature Rating:

Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

HDL	15	-	SL	-	B	-
SERIES	**POSITIONS**		**CONTACT TYPE**		**MOUNTING OPTIONS**	**OPTIONS**
HDL = *High Density D-Sub* **HDVG** = *High Density VESA connector with recessed #9 pin and blue insulator*	**15** = *15 Position* **26** = *26 Position* **44** = *44 Position* **62** = *62 Position* **78** = *78 Position*		**PL** = *Plug, Right Angle Mount* **SL** = *Socket, Right Angle Mount*		**A** = *#4-40 Jackscrews and forked boardlocks* **B** = *#4-40 Flush threaded inserts and forked boardlocks* **C** = *#4-40 Flush threaded inserts with removable jackscrews and forked boardlocks* **D** = *Topside ground straps with screw holes*	*Add designator(s) to end of part number* **EMI** = *Ferrite filtered version for EMI / RFI suppression* **F** = *Retention 4 prong boardlocks* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **R** = *Round Riveted Jackscrews*

PART NUMBER	TYPE	POSITIONS	GENDER	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
HDL15-SL-24	High Density D-Sub	15	Socket	Right Angle PCB Mount	View
HDLXX-SL-B	High Density D-Sub	Multiple Options	Socket	Right Angle PCB Mount	View
HDLXX-SL-C	High Density D-Sub	Multiple Options	Socket	Right Angle PCB Mount	View

High Density D-Sub

CRIMP AND POKE SYSTEM

Adam Tech Crimp and Poke High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions they are a low cost alternative to soldering a high density connector to cable. Contacts are crimped onto discrete wires and pushed into the connector body. The connector is comprised of a metal shell and plastic insulator and is available with a variety of mating options. The contacts are precision stamped and are available in a variety of platings.

FEATURES & SPECIFICATIONS

FEATURES:

High Density in standard size shell
Low cost no solder alternative
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech high density D-Subminiatures and all industry standard high density D-Subminiature connectors.

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0
Insulator Colors: Black (White optional)
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:

Gold over Nickel underplate on contact area.

Electrical:

Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min
Recommended wire size: 22 to 28 Awg
Temperature Rating:
Operating temperature: -55°C to +105°C

HOUSING PART NUMBER CONFIGURATION

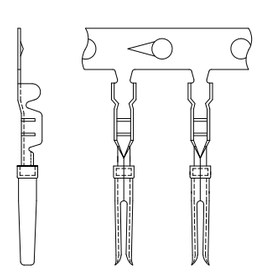
HDT	15	-	PR	-	WT
SERIES	POSITIONS		CONTACT TYPE		OPTIONS
HDT = *High Density D-Sub*	**15** = *15 Position* **26** = *26 Position* **44** = *44 Position* **62** = *62 Position* **78** = *78 Position*		**PR** = *Plug, Crimp and Poke* **SR** = *Socket, Crimp and Poke*		*Add designator(s) to end of part number* **WT** = *White color insulator* **SL** = *Riveted #4-40 Clinch Nuts* **JS** = *Riveted #4-40 Jackscrews*

CONTACTS PART NUMBER CONFIGURATION

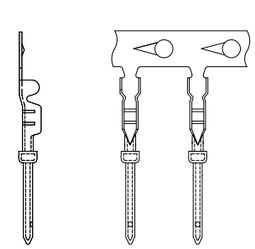
HDCP	-	01	-	R
CONTACT WIRE RANGE		CONTACT TYPE		PACKAGING
HDCP = *Plug Contact* **HDCS** = *Socket Contact*		**01** = *24-26 AWG* **02** = *20-22 AWG* **03** = *28-30 AWG*		**R** = *10,000 piece chain on reel* **B** = *1000 pieces loose cut*

PART NUMBER	TYPE	POSITIONS	GENDER	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
HDTXX-PR	High Density D-Sub	Multiple Options	Plug	Crimp and Poke System	View
HDTXX-SR	High Density D-Sub	Multiple Options	Socket	Crimp and Poke System	View
HDCP-01-R	High Density D-Sub - Contacts				View
HDCS-01-R	High Density D-Sub - Contacts				View

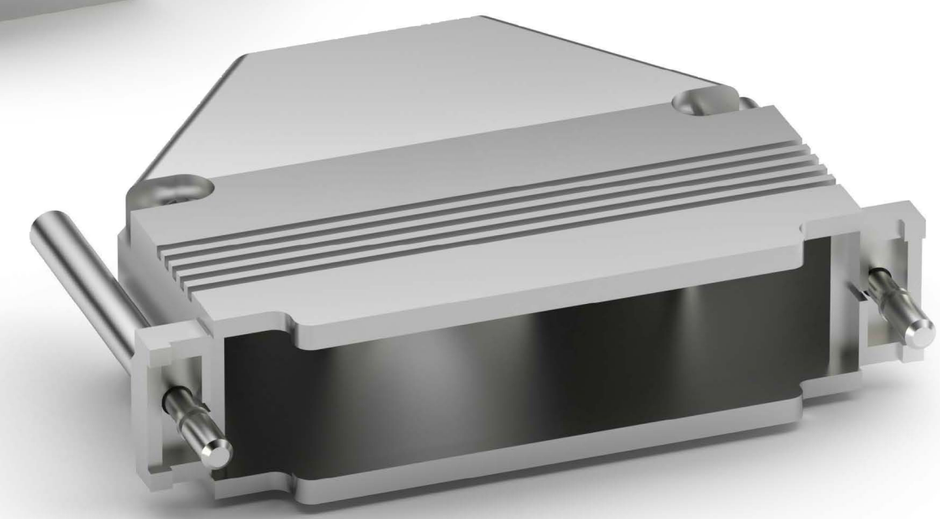
HDCS SOCKET CONTACTS

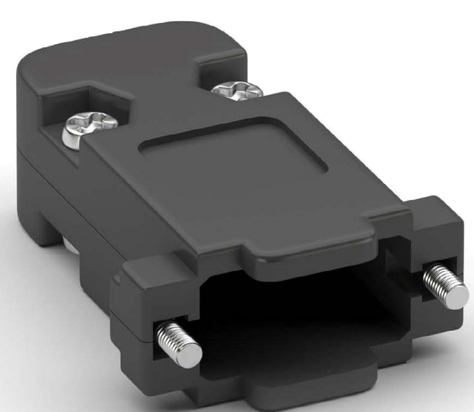


HDCP PLUG CONTACTS



Adam Tech's line of D-Sub products are backed by a comprehensive offering of backshells, hardware, and jackscrews. These accessories add versatility and customizability to D-Sub connectors and are compatible with Adam Tech and all other industry standard D-Sub products.





FEATURES & SPECIFICATIONS

FEATURES:

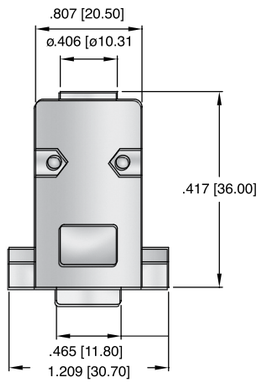
Compatible with most D-Sub products
Short or thumb screw backshells
Screw nut hardware
Brass jackscrews

SPECIFICATIONS:

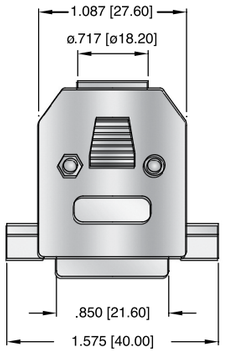
Material:
Insulator (backshells): ABS or aluminum die cast
Insulator color (backshells): Black or chrome plastic
Hardware (backshells): Steel, chromate plated; or copper alloy, nickel plated
Screw (hardware): Brass or copper, nickel plated
Nut (hardware): Copper or steel, nickel plated
Washer (hardware): Steel, nickel plated
Jackscrew: Brass, nickel plated

PART NUMBER	TYPE	PRODUCT DATA
DXXX-HD-AL-TS	Backshells	View
DXXX-HD-PB-SS	Backshells	View
DXXX-HD-PB-TS	Backshells	View
DXXX-HD-PN-SS	Backshells	View
DXXX-HD-PN-TS	Backshells	View
HDW-023	Hardware	View
HDW-024	Hardware	View
JS-01	Jackscrews	View
JS-02	Jackscrews	View

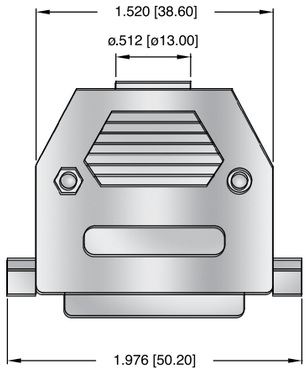
BACKSHELLS
DHD SERIES



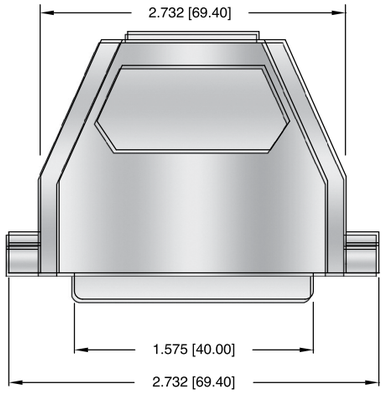
DE09-HD-PN-(SS or TS)



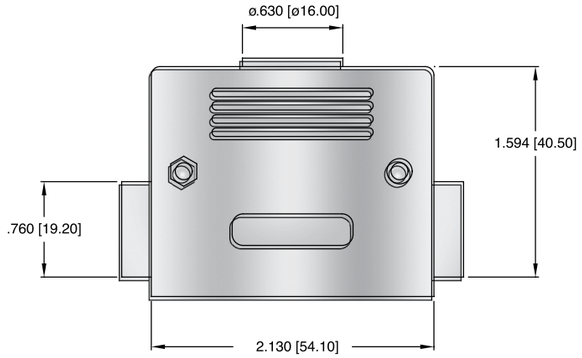
DA15-HD-PN-(SS or TS)



DB25-HD-PN-(SS or TS)



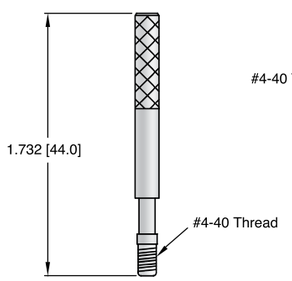
DC37-HD-PN-(SS or TS)



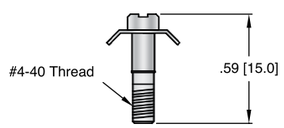
DD50-HD-PN-(SS or TS)

ORDERING INFORMATION
choose one from each category as shown in sample below

DE09-HD	PY	TS
Hood Size	**Hood Color**	**Hardware**
DE09-HD - 9P ood **DA15-HD -** 15P ood **DB25-HD -** 25P ood **DC37-HD -** 37P ood **DD50-HD -** 50P ood	**PY -** Gray Plastic **PB -** Black Plastic **PN -** Bright Chrome Plated Plastic **AL -** Aluminum Cast	**SS -** Short Screw **TS -** Thumb Screw



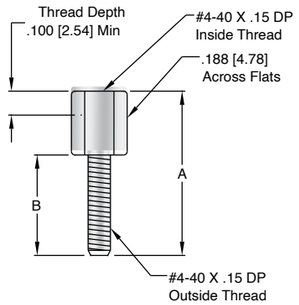
Thumb screw



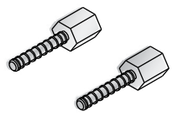
Short screw

HARDWARE & ACCESSORIES
HDW SERIES

Jackscrews

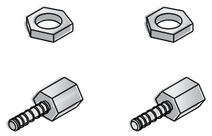


JACKSCREW DIMENSIONS		
PART NUMBER	A	B
JS-01	.416 [10.60]	.226 [5.70]
JS-02	.467 [11.86]	.270 [6.86]
JS-03	.500 [12.70]	.313 [7.95]
JS-04	.465 [11.81]	.226 [5.70]



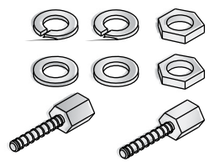
HDW-031

Set includes 2 #4-40 female jackscrews



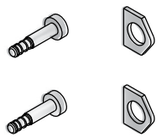
HDW-024

Set includes 2 #4-40 female jackscrews and 2 hex nuts



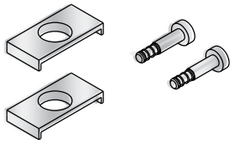
HDW-023

Set includes 2 #4-40 female jackscrews 2 flat washers, 2 split washers and 2 hex nuts



HDW-028

Screw retainer clip set includes 2 screw retainer clips and 2 retainer screws



HDW-029

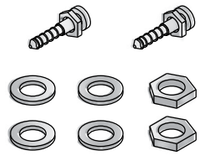
Screw lock kit includes 2 screw locks and 2 retainer screws

HDW-044

Sliding lock posts Set of 2

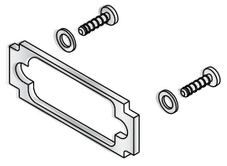
HDW-043A

Slide lock post set includes 2 posts, 2 washers and 2 lock-washers



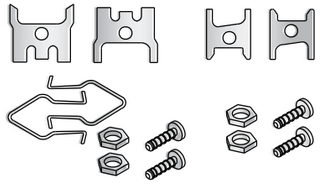
HDW-045

Slide lock post kit includes 2 posts, washers and hex nuts



HDW-043-XX

Slide lock assembly kit includes slide lock, screws and washers, Specify 9, 15, 25 or 37 position



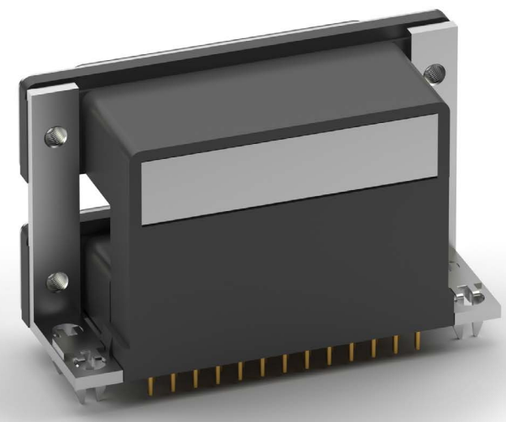
HDW-041

Spring latch set includes 1 pair of spring latches with holding hardware and 1 pair of notch clips with holding hardware

D-Sub Connectors

DUAL PORT, RIGHT ANGLE

Adam Tech Dual Port D-Sub connectors are a popular space saving interface for many I/O applications. Offered in 9, 15, 25, 37 and 50 positions they are a good choice for a low cost industry standard connection and are ideal for PCB space saving applications. These connectors are manufactured with precision stamped contacts and are available in a number of connector combinations including same and mixed gender, mixed density and mixed interface. Options include a choice of contact plating and a variety of mating, mounting and grounding options.



FEATURES & SPECIFICATIONS

FEATURES:
Stacked space saving design
Industry standard compatibility
Durable metal shell design
Precision formed contacts
Variety of Mating and mounting options

MATING CONNECTORS:
Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, 30% glass reinforced, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:
Gold over Nickel underplate on contact area.

Electrical:
Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

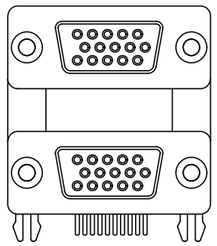
Temperature Rating:
Operating temperature: -55°C to +105°C

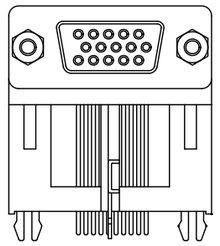
PART NUMBER CONFIGURATION

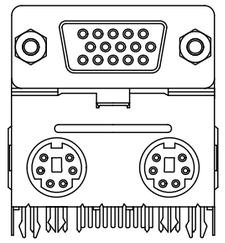
DPD	09	-	00	-	B	3	-	JS
SERIES	**POSITIONS**		**TOP / BOTTOM GENDER**		**PORT SPACING**	**MOUNTING OPTIONS**		**OPTIONS**
DPD = *Dual Port D-Sub*	**09** = *9 Position* **15** = *15 Position* **25** = *25 Position* **37** = *37 Position* **50** = *50 Position* *x/x = Mixed positions customer specified*		**10** = *Plug top, receptacle bottom* **11** = *Plug top and bottom* **01** = *Receptacle top, plug bottom* **00** = *Receptacle top and bottom*		**A** = *.900" (Dim. "E")* **B** = *.750" (Dim. "E")* **C** = *.625" (Dim. "E")*	**1** = *Through holes only* **2** = *#4-40 threaded holes* **3** = *Forked board locks*		*Add designator(s) to end of part number* **JS** = *#4-40 Jackscrews installed* **R** = *Rear boardlocks only*

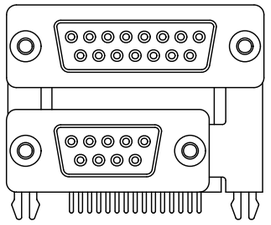
PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DPD-09-00-B1	Dual Stacked, Right Angle	9	Socket Top and Bottom (Dual Stacked)	Through Hole Mounting	View
DPD-09-00-B2	Dual Stacked, Right Angle	9	Socket Top and Bottom (Dual Stacked)	Through Hole Mounting	View
DPD-09-00-B3	Dual Stacked, Right Angle	9	Socket Top and Bottom (Dual Stacked)	Forked Board Locks	View
DPD-09-01-A3	Dual Stacked, Right Angle	9	Socket Top / Plug Bottom (Dual Stacked)	Forked Board Locks	View
DPD-09-01-B2	Dual Stacked, Right Angle	9	Socket Top / Plug Bottom (Dual Stacked)	#4-40 Threaded Mounting Holes	View
DPD-09-01-B3	Dual Stacked, Right Angle	9	Socket Top / Plug Bottom (Dual Stacked)	Forked Board Locks	View
DPD-09-10-B3	Dual Stacked, Right Angle	9	Plug Top / Receptacle Bottom (Dual Stacked)	Forked Board Locks	View
DPD-09-11-B3	Dual Stacked, Right Angle	9	Plug Top and Bottom (Dual Stacked)	Forked Board Locks	View
DPD-25-00-A3	Dual Stacked, Right Angle	25	Socket Top and Bottom (Dual Stacked)	Forked Board Locks	View
DPD-25-00-B3	Dual Stacked, Right Angle	25	Socket Top and Bottom (Dual Stacked)	Forked Board Locks	View
DPD-25-01-B3	Dual Stacked, Right Angle	25	Socket Top / Plug Bottom (Dual Stacked)	Forked Board Locks	View
DPD-25-11-B3	Dual Stacked, Right Angle	25	Plug Top and Bottom (Dual Stacked)	Forked Board Locks	View
DPD-XX-00-A1	Dual Stacked, Right Angle	Multiple Options	Socket Top and Bottom (Dual Stacked)	Through Hole Mounting	View
DPD-XX-01-A1	Dual Stacked, Right Angle	Multiple Options	Socket Top / Plug Bottom (Dual Stacked)	Through Hole Mounting	View
DPD-XX-10-X3	Dual Stacked, Right Angle	Multiple Options	Plug Top / Receptacle Bottom (Dual Stacked)	Through Hole Mounting	View
DPD-XX-11-A1	Dual Stacked, Right Angle	Multiple Options	Plug Top and Bottom (Dual Stacked)	Through Hole Mounting	View

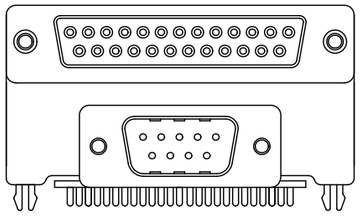
DUAL PORT VARIATIONS
DPD SERIES

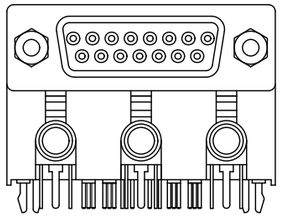

15P HD D-Sub over 15P HD D-Sub

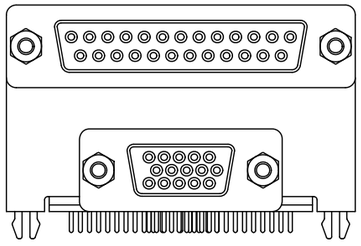

15P HD D-Sub Elevated

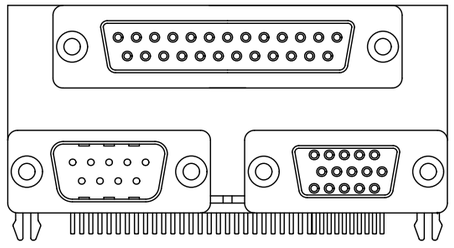

15P HD D-Sub over Dual Mini DINs

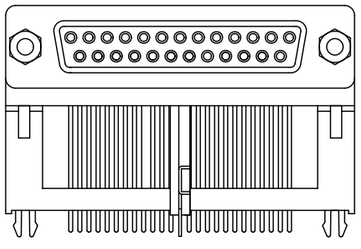

15P D-Sub over 9P D-Sub

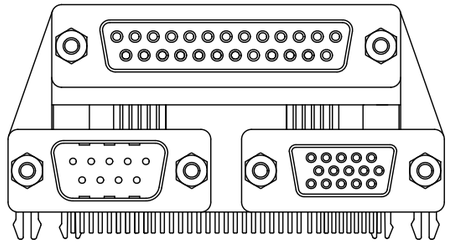

25P D-Sub over 9P D-Sub

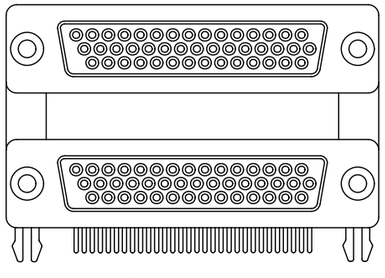

15P D-Sub over Ganged Stereo Jacks

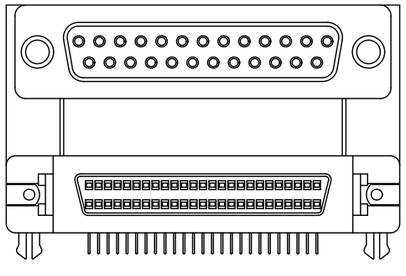

25P D-Sub over HD 15P D-Sub


25P D-Sub over 9P D-Sub & HD 15P D-Sub

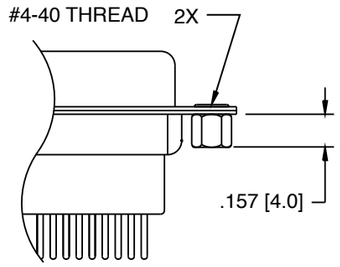

25P D-Sub Elevated


25P D-Sub over 9P D-Sub & HD 15P D-Sub

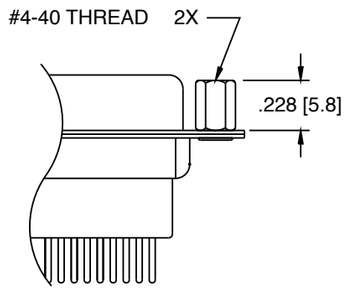

44P HD D-Sub over 44P HD D-Sub


25P D-Sub over 50P SCSI II

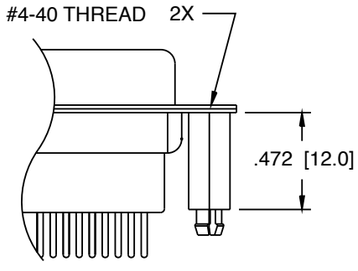
HIGH PROFILE STRAIGHT PCB TAIL
MOUNTING OPTIONS



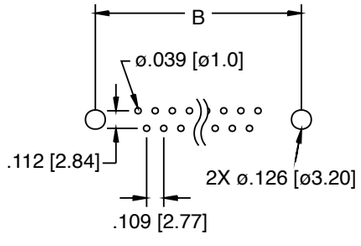
SL Option
Bottom side riveted #4-40 Clinch Nuts



JS Option
Top side riveted #4-40 Jack Screws



BL Option
#4-40 Threaded Boardlocks

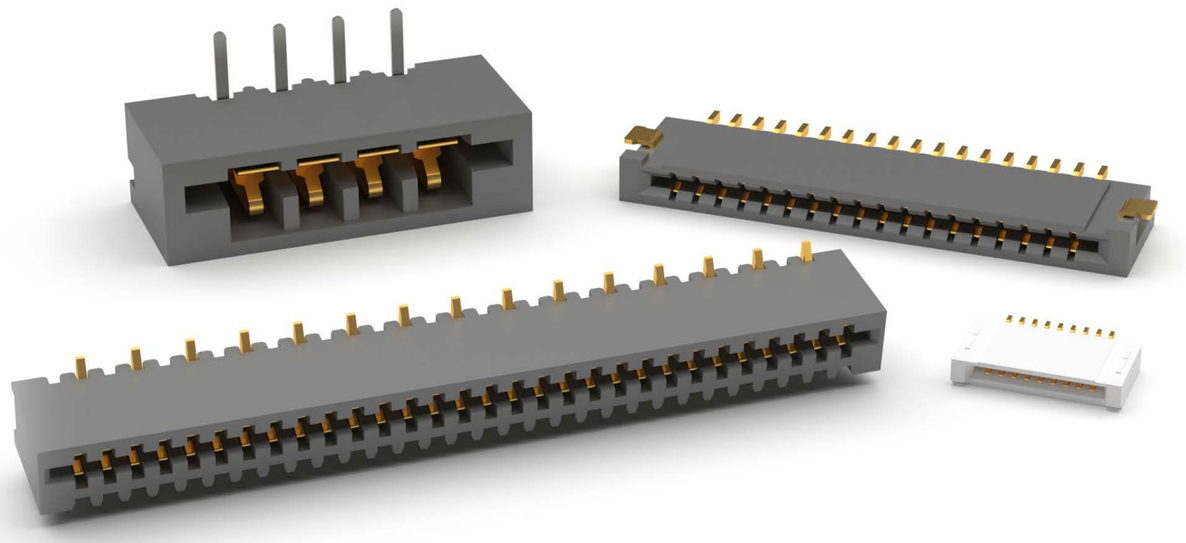


Recommended PCB Layout

Flex Circuit Connectors

LIF FLEX CIRCUIT CONNECTORS (LOW INSERTION FORCE)

Adam Tech PCB Series Flexible Printed Circuit (FPC) and Flexible Flat Cable (FFC) connectors are a LIF (low insertion force) design that provides a low cost, fast, easy and reliable connection of flexible printed circuits to a PCB. Adam Tech's special contact design preserves conductor integrity while producing a stable, high pressure connection. This series includes single and dual row versions in 2.54mm, 1.25mm, 1.00mm & 0.50mm centerlines with vertical or horizontal orientations.



FEATURES & SPECIFICATIONS

FEATURES:
Superior contact design protects conductors
High pressure contacts
Single or dual row versions
Choice of 2.54mm, 1.25mm, 1.00mm & 0.50mm centerlines

MATING FPC & FFC CABLE:
Mates with flat flexible cable and flexible printed circuits with thickness of 0.3mm

PACKAGING:
Anti-ESD plastic tubes or trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT, Glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator color: Black
Contacts: Phosphor Bronze

Contact Plating:
Tin over copper underplate

Electrical:
Operating voltage: 100V AC max.
Current rating: .039" Spacing: 0.5 Amp max.
.049" Spacing: 1 Amp max
.100" Spacing: 3 Amps max
Contact resistance: 30 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

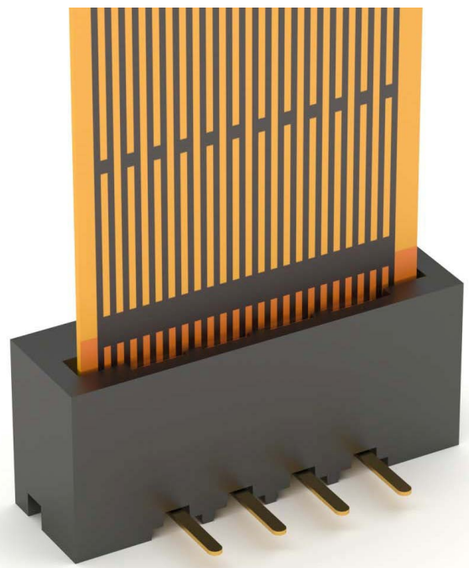
Mechanical:
Insertion Force: 5 oz max
Withdrawal Force: 3 oz min

Temperature Rating:
Operating temperature: -40°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER	CENTERLINE	ENTRY ANGLE	PLATING	PRODUCT DATA
PCB-B-XX-SA-25	1.25mm	Side Entry	Tin	View
PCB-B-XX-T-25	1.25mm	Top Entry	Tin	View
PCB-C-09-T-SMT	1.00mm	Top Entry	Tin	View
PCB-C-12-SA-20	1.00mm	Side Entry	Tin	View
PCB-C-18-SA-SMT	1.00mm	Side Entry	Tin	View
PCB-C-18-T-20	1.00mm	Top Entry	Tin	View
PCB-C-XX-SA-20	1.00mm	Side Entry	Tin	View
PCB-C-XX-T-20	1.00mm	Top Entry	Tin	View
PCB-C-XX-T-SMT	1.00mm	Top Entry	Tin	View
PCB-C-XX-T-SMT-SG	1.00mm	Top Entry	Tin	View
PCB-C5-XX-SA-SMT	1.00mm	Side Entry	Tin	View

PART NUMBER CONFIGURATION

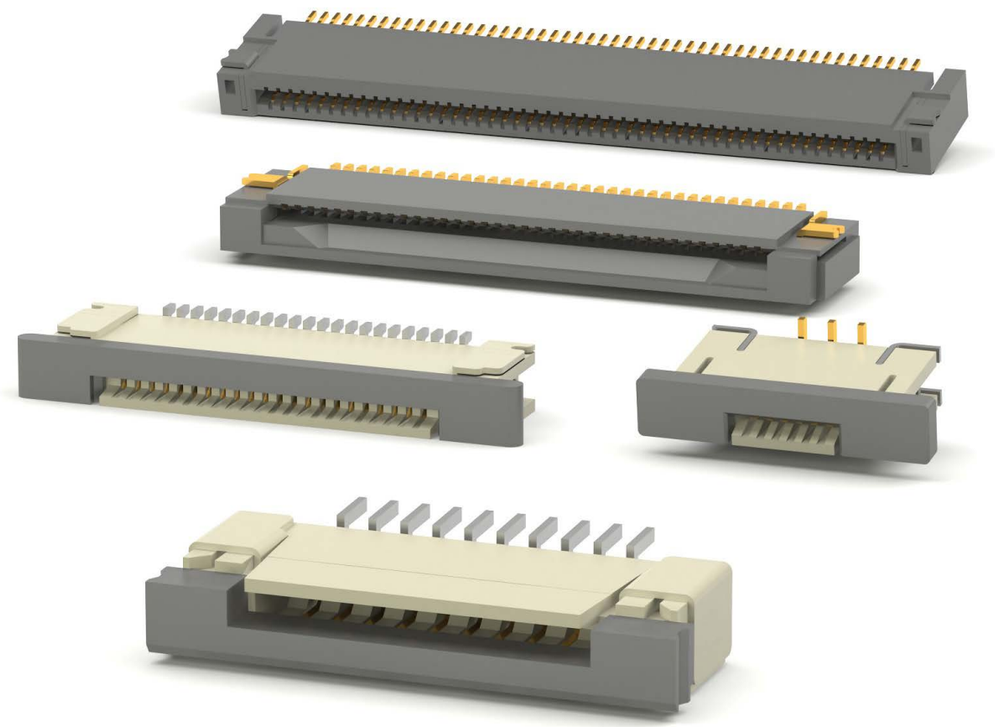
PCB	- A	- 02	- T	- 20	- HT
SERIES	TYPE	POSITIONS	ENTRY ANGLE	ROW SPACING	OPTIONS
PCB = *LIF Flex Circuit Connector*	**A** = *2.54mm centerline in-line footprint* **B** = *1.25mm centerline staggered footprint* **C** = *1.00mm centerline staggered footprint* **D** = *1.00mm centerline inline footprint* **E** = *0.50mm centerline horizontal SMT*	**02** *thru* **21**	**T** = *Top entry* **SA** = *Side entry* **SB** = *Reverse side entry (.100" centerline only)*	*Blank = Single Row* **20** = *2.00mm PCB Row Spacing (Type C)* **25** = *2.5mm PCB Row Spacing (Type B)* **SMT** = *Surface Mount (Type B, C)*	*Add designator(s) to end of part number* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C*



Flex Circuit Connectors

ZIF FLEX CIRCUIT CONNECTORS (ZERO INSERTION FORCE)

Adam Tech PCA Series Flexible Printed Circuit (FPC) and Flexible Flat Cable (FFC) connectors are ZIF (zero insertion force) connectors designed to provide a fast, easy, reliable method to make a connection of flexible printed circuits to a PCB. Adam Tech's special contact design completely preserves conductor integrity by eliminating all wiping action while making connection. Flex circuitry enters the connector and the connector cap is pressed down to capture the flex circuit producing a stable, high pressure connection. Raising the cap releases the pressure for exchange or replacement of circuitry. This series includes single and dual row versions in thru-hole or SMT mounting in vertical or horizontal orientations.



FEATURES & SPECIFICATIONS

FEATURES:

Superior contact design protects conductors
High pressure contacts
Single or dual row versions
Choice of .3mm, .5mm, .8mm, 1mm & 1.25mm centerlines

MATING FPC & FFC:

Mates with .3mm, .5mm, .8mm, 1mm & 1.25mm centerline
flat flexible circuits with thickness range of 0.1mm to 0.3mm

PACKAGING:

Anti-ESD plastic tubes or Tape and Reel

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Hi-Temp Insulator: LCP, Glass reinforced, rated UL94V-0
Insulator color: Natural
Contacts: Phosphor Bronze

Contact Plating:

Tin over copper underplate overall

Electrical:

Operating voltage: 100V AC max.
Current rating: .020" Spacing: 0.4 Amps max.
031" & .039" Spacing: 0.5 Amps max
.049" Spacing: 1 Amp max
Contact resistance: 30 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Insertion Force: 0 oz max
Withdrawal Force: 13 oz min

Temperature Rating:

Operating temperature: -40°C to +85°C
Soldering process temperature: 260°C

PART NUMBER CONFIGURATION

PCA- 1 - 03 - V - 3 - 20 - G

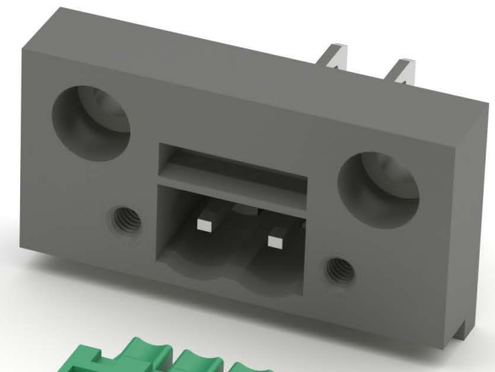
SERIES	TYPE	POSITIONS	ENTRY ANGLE	FLEX CIRCUIT THICKNESS	PCB ROW SPACING	OPTIONS
PCA = *ZIF Flex Circuit Connector*	**1** = *1.25mm centerline thru-hole* **2** = *1.00mm centerline SMT (body height 2.70mm)* **2B** = *1.00mm centerline SMT (body height 1.2mm)* **3** = *1.00mm centerline thru-hole* **4** = *1.25mm centerline SMT* **5** = *.8mm centerline SMT* **6** = *.5mm centerline SMT (body height 2.0mm)* **6A** = *.5mm centerline SMT (body height 1.5mm)* **6B** = *.5mm centerline SMT (body height 1.2mm)* **6C** = *.5mm centerline SMT (body height 1.0mm)* **6F** = *.5mm centerline SMT (body height 1.0mm)* **7** = *.3mm centerline SMT*	**03** *thru* **30**	**V** = *Top entry* **HL** = *Side entry, lower contact* **HU** = *Side entry, upper contact*	**3** = *0.1mm – 0.3mm (standard for all types)*	*Blank = SMT* **20** = *2.0mm*	*Add designator(s) to end of part number* **G** = *Gold plated contacts* **T/R** = *Tape and reel packaging*

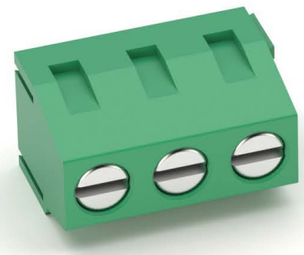
PART NUMBER	CENTERLINE	ENTRY ANGLE	PLATING	PRODUCT DATA
PCA-1-XX-V-3-20	1.25mm	Top Entry Thru Hole	Tin	View
PCA-2-XX-HU-3-G	1.00mm	Side Entry, Upper Contact	Gold	View
PCA-2-XX-V-3	1.00mm	Top Entry SMT	Tin	View
PCA-2FA-XX-HL-3	1.00mm	Side Entry, Lower Contact	Tin	View
PCA-5-XX-HU-3-G	0.8mm	Side Entry, Upper & Lower Contact	Gold	View
PCA-6-LA-XX-HL-3	0.5mm	Side Entry, Lower Contact	Tin	View

PART NUMBER	CENTERLINE	ENTRY ANGLE	PLATING	PRODUCT DATA
PCA-6-LA-XX-HL-3-T/R	0.5mm	Side Entry, Lower Contact	Tin	View
PCA-6-LA-XX-HU-3	0.5mm	Side Entry, Upper Contact	Tin	View
PCA-6-LA-XX-HU-3-T/R	0.5mm	Side Entry, Upper Contact	Tin	View
PCA-6-XX-HU-3-G	0.5mm	Side Entry, Upper Contact	Gold	View
PCA-6-XX-V-3-G	0.5mm	Top Entry SMT	Gold	View
PCA-6L-XX-HU-3	0.5mm	Side Entry, Upper Contact	Tin	View

PART NUMBER	CENTERLINE	ENTRY ANGLE	PLATING	PRODUCT DATA
PCA-6MA-XX-HD-3-G	0.5mm	Side Entry, Dual Contact	Gold	View
PCA-6MA-XX-HD-3-G-T/R	0.5mm	Side Entry, Dual Contact	Gold	View
PCA-7A-XX-HL-3-G-TR	0.3mm	Side Entry, Lower Contact	Gold	View
PCA-7F-XX-HL-3-G	0.3mm	Side Entry, Lower Contact	Gold	View
PCA-7G-XX-HD-3-G	0.3mm	Side Entry, Dual Contact	Gold	View

Adam Tech EB Series Euro Blocks are a broad range of PCB mounted blocks in various sizes and profiles with pitches ranging from 3.50mm up to 15.00mm. Included are types that have wire entry from Top, Side, or Side Angle. Two piece 'pluggable' versions and 'Lever Actuated' styles are also available. Each contains a unique wire guard design and is precision manufactured for smooth operation and ease of use.





FEATURES & SPECIFICATIONS

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized & CSA Certified, File no. E333935

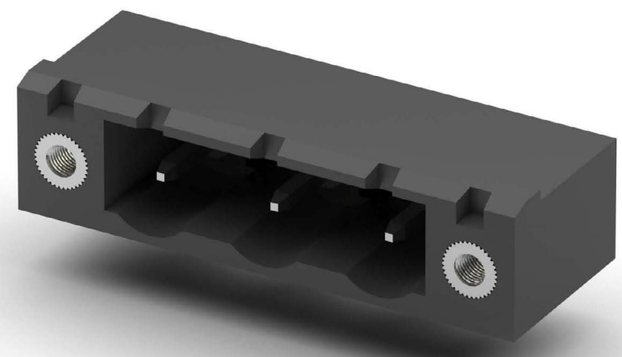
SPECIFICATIONS:

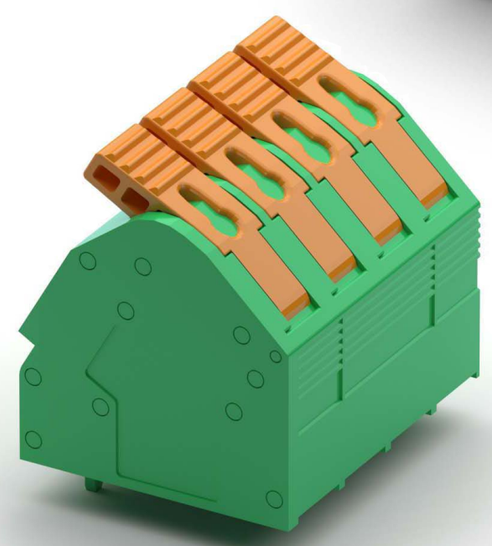
Material:
Insulator: PBT or Nylon, glass reinforced, rated UL94V-0
Insulator Color: Green, Black (Blue and Gray optional)
Metal cage: Brass, tin plated
Screw: Steel, Galvanized or Chromatized
Wire Guard: Stainless Steel, Tin plated

Electrical:
Operating voltage: 250V AC max.
Current rating: 7 to 15 Amp max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Mechanical:
Recommended wire size:
EBC & EBF Series: 16 to 26 Awg
EBA, EBB, EBD, EBE, & EBJ Series: 14 to 22 Awg
EBH & EBP Series: 12 to 24 Awg
EB108 Series: 18 to 24 Awg
EB109 Series: 10 to 24 Awg
Mating durability: 500 Cycles min.

Temperature Rating:
Operating temperature: -55°C to +105°C





PART NUMBER CONFIGURATION

EBA	- 02	- A	- C
SERIES	**NO. OF POLES**	**CENTERLINE SPACING**	**OPTIONS:**
EBA = *.492" Straight* **EBB** = *.394" Straight* **EBC** = *.327" Straight* **EBD** = *.354" Right Angle* **EBE** = *.295" Right Angle* **EBF** = *.275" Right Angle* **EBG** = *.472" Angled* **EBH** = *.590" Plugable* **EBJ** = *.433" Plugable* **EBK** = *.440" Plugable* **EBP** = *Pin Header, Straight* **EBQ** = *Header, Right Angle* **EBR** = *Pin Header, Straight* **EBS** = *Header, Right Angle* **EBT** = *Pin Header, Straight* **EBV** = *Pin Header, Straight* **EBW** = *.335" Straight* **EBV2** = *Stacked Euro Blocks* **EB108** = *.342" Straight* **EB109** = *.850" Straight*	**02** *thru* **24**	**A** = *.138" [3.50mm]* **B** = *.150" [3.81mm]* **C** = *.197" [5.00mm]* **D** = *.200" [5.08mm]* **E** = *.276" [7.00mm]* **G** = *.300" [7.62mm]* **H** = *.394" [10.00mm]* **J** = *.400" [10.16mm]* **K** = *.591" [15.00mm]* **S** = *.374" [9.50mm]*	*Add designator(s) to end of part number* **C** = *Closed sides, body styles EBP & EBQ* **E** = *Mounting ears, body styles EBH & EBK*

STANDARD BODY COLORS:

Black: *Series EBA, EBB, EBC, EBD, EBE, EBF, EBG, EBJ, EBT*
Green: *Series EBH, EBP, EBQ, EBK, EBR, EBS, EBV, EBM, EBN, EBW, TSE, EB108, EB109*
Consult factory for additional colors

Euro Blocks Wire to Board

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EB133-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB142A-02-A-90	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB142A-03-A-90	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB142A-04-A-180	Wire to Board	.138″ [3.50mm]	Vertical	View
EB142A-04-A-90	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB142A-06-A-90	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB147A-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB147A-02-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB147A-02-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB147A-03-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB147A-03-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB147A-03-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB147A-04-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB147A-04-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB147A-04-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB147A-05-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB147A-05-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB147A-05-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB147A-06-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB147A-06-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB147A-06-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB163A-02-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB163A-02-A-180	Wire to Board	.138″ [3.50mm]	Vertical	View
EB163A-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB163A-02-C-180	Wire to Board	.197″ [5.00mm]	Vertical	View
EB163A-03-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB163A-03-A-180	Wire to Board	.138″ [3.50mm]	Vertical	View
EB163A-03-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB163A-03-C-180	Wire to Board	.197″ [5.00mm]	Vertical	View
EB163A-04-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB163A-04-A-180	Wire to Board	.138″ [3.50mm]	Vertical	View
EB163A-04-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB163A-04-C-180	Wire to Board	.197″ [5.00mm]	Vertical	View
EB163A-05-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB163A-05-A-180	Wire to Board	.138″ [3.50mm]	Vertical	View
EB163A-05-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB163A-05-C-180	Wire to Board	.197″ [5.00mm]	Vertical	View
EB163A-06-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB163A-06-A-180	Wire to Board	.138″ [3.50mm]	Vertical	View
EB163A-06-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB163A-06-C-180	Wire to Board	.197″ [5.00mm]	Vertical	View
EB167A-02-H	Wire to Board	.394″ [10.00mm]	Right Angle	View

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EB167A-02-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB167A-02-M-180	Wire to Board	.295″ [7.50mm]	Vertical	View
EB167A-03-H	Wire to Board	.394″ [10.00mm]	Right Angle	View
EB167A-03-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB167A-03-M-180	Wire to Board	.295″ [7.50mm]	Vertical	View
EB167A-04-H	Wire to Board	.394″ [10.00mm]	Right Angle	View
EB167A-04-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB167A-04-M-180	Wire to Board	.295″ [7.50mm]	Vertical	View
EB167A-05-H	Wire to Board	.394″ [10.00mm]	Right Angle	View
EB167A-05-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB167A-05-M-180	Wire to Board	.295″ [7.50mm]	Vertical	View
EB167A-06-H	Wire to Board	.394″ [10.00mm]	Right Angle	View
EB167A-06-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EB167A-06-M-180	Wire to Board	.295″ [7.50mm]	Vertical	View
EB171A-02-H	Wire to Board	.394″ [10.00mm]	Right Angle	View
EB171A-03-H	Wire to Board	.394″ [10.00mm]	Right Angle	View
EB171A-04-H	Wire to Board	.394″ [10.00mm]	Right Angle	View
EB171A-05-H	Wire to Board	.394″ [10.00mm]	Right Angle	View
EB171A-06-H	Wire to Board	.394″ [10.00mm]	Right Angle	View
EB176-A-02-V-RA-TSMT	Wire to Board	.098″ [2.50mm]	Right Angle	View
EB20-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB20-03-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB21A-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB21A-02-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB21A-02-D-DA	Wire to Board	.200″ [5.08mm]	45° Angle	View
EB21A-03-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB21A-03-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB21A-04-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB21A-04-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB21A-05-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB21A-05-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB21A-06-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB21A-06-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EB59A-02-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB59A-02-V	Wire to Board	.098″ [2.50mm]	Right Angle	View
EB59A-03-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB59A-03-V	Wire to Board	.098″ [2.50mm]	Right Angle	View
EB59A-04-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB59A-04-V	Wire to Board	.098″ [2.50mm]	Right Angle	View
EB59A-05-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EB59A-05-V	Wire to Board	.098″ [2.50mm]	Right Angle	View
EB7-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EB7-03-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB7-04-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EB7-05-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBA-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBA-02-D-BU-01	Wire to Board	.200″ [5.08mm]	Right Angle	View
EBA-03-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBA-03-D-BU-01	Wire to Board	.200″ [5.08mm]	Right Angle	View
EBWA-02-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EBWA-02-B	Wire to Board	.150″ [3.81mm]	Right Angle	View
EBWA-03-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EBWA-03-B	Wire to Board	.150″ [3.81mm]	Right Angle	View
EBWA-04-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EBWA-04-B	Wire to Board	.150″ [3.81mm]	Right Angle	View
EBWA-05-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EBWA-05-B	Wire to Board	.150″ [3.81mm]	Right Angle	View
EBWA-06-A	Wire to Board	.138″ [3.50mm]	Right Angle	View
EBWA-06-B	Wire to Board	.150″ [3.81mm]	Right Angle	View

Euro Block Headers

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EB3-02-B	Headers	.150″ [3.81mm]	Right Angle	View
EB3-02-B-180	Headers	.150″ [3.81mm]	Vertical	View
EB3-03-B	Headers	.150″ [3.81mm]	Right Angle	View
EB3-03-B-180	Headers	.150″ [3.81mm]	Vertical	View
EB3-04-B	Headers	.150″ [3.81mm]	Right Angle	View
EB3-04-B-180	Headers	.150″ [3.81mm]	Vertical	View
EB3-05-B	Headers	.150″ [3.81mm]	Right Angle	View
EB3-05-B-180	Headers	.150″ [3.81mm]	Vertical	View
EBPA-02-C	Headers	.197″ [5.00mm]	Vertical	View
EBPA-02-C-C	Headers	.197″ [5.00mm]	Vertical	View
EBPA-02-D	Headers	.200″ [5.08mm]	Vertical	View
EBPA-02-D-C	Headers	.200″ [5.08mm]	Vertical	View
EBPA-03-C	Headers	.197″ [5.00mm]	Vertical	View
EBPA-03-C-C	Headers	.197″ [5.00mm]	Vertical	View
EBPA-03-D	Headers	.200″ [5.08mm]	Vertical	View
EBPA-03-D-C	Headers	.200″ [5.08mm]	Vertical	View
EBPA-04-C	Headers	.197″ [5.00mm]	Vertical	View
EBPA-04-C-C	Headers	.197″ [5.00mm]	Vertical	View
EBPA-04-D	Headers	.200″ [5.08mm]	Vertical	View

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EBPA-04-D-C	Headers	.200″ [5.08mm]	Vertical	View
EBPA-05-C	Headers	.197″ [5.00mm]	Vertical	View
EBPA-05-C-C	Headers	.197″ [5.00mm]	Vertical	View
EBPA-05-D	Headers	.200″ [5.08mm]	Vertical	View
EBPA-05-D-C	Headers	.200″ [5.08mm]	Vertical	View
EBQA-02-C	Headers	.197″ [5.00mm]	Right Angle	View
EBQA-02-C-C	Headers	.197″ [5.00mm]	Right Angle	View
EBQA-02-D	Headers	.200″ [5.08mm]	Right Angle	View
EBQA-02-D-C	Headers	.200″ [5.08mm]	Right Angle	View
EBQA-03-C	Headers	.197″ [5.00mm]	Right Angle	View
EBQA-03-C-C	Headers	.197″ [5.00mm]	Right Angle	View
EBQA-03-D	Headers	.200″ [5.08mm]	Right Angle	View
EBQA-03-D-C	Headers	.200″ [5.08mm]	Right Angle	View
EBQA-04-C	Headers	.197″ [5.00mm]	Right Angle	View
EBQA-04-C-C	Headers	.197″ [5.00mm]	Right Angle	View
EBQA-04-D	Headers	.200″ [5.08mm]	Right Angle	View
EBQA-04-D-C	Headers	.200″ [5.08mm]	Right Angle	View
EBQA-05-C	Headers	.197″ [5.00mm]	Right Angle	View
EBQA-05-C-C	Headers	.197″ [5.00mm]	Right Angle	View

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EBQA-05-D	Headers	.200″ [5.08mm]	Right Angle	View
EBQA-05-D-C	Headers	.200″ [5.08mm]	Right Angle	View
EBRA-02-A	Headers	.138″ [3.50mm]	Vertical	View
EBRA-02-B	Headers	.150″ [3.81mm]	Vertical	View
EBRA-03-A	Headers	.138″ [3.50mm]	Vertical	View
EBRA-03-B	Headers	.150″ [3.81mm]	Vertical	View
EBRA-04-A	Headers	.138″ [3.50mm]	Vertical	View
EBRA-04-B	Headers	.150″ [3.81mm]	Vertical	View
EBRA-05-A	Headers	.138″ [3.50mm]	Vertical	View
EBRA-05-B	Headers	.150″ [3.81mm]	Vertical	View
EBSA-02-A	Headers	.138″ [3.50mm]	Right Angle	View
EBSA-02-B	Headers	.150″ [3.81mm]	Right Angle	View
EBSA-03-A	Headers	.138″ [3.50mm]	Right Angle	View
EBSA-03-B	Headers	.150″ [3.81mm]	Right Angle	View
EBSA-04-A	Headers	.138″ [3.50mm]	Right Angle	View
EBSA-04-B	Headers	.150″ [3.81mm]	Right Angle	View
EBSA-05-A	Headers	.138″ [3.50mm]	Right Angle	View
EBSA-05-B	Headers	.150″ [3.81mm]	Right Angle	View

Euro Block Plugs & Sockets

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EB9A-02-C	Plugs and Sockets	.197″ [5.00mm]	Right Angle	View
EB9A-02-D	Plugs and Sockets	.200″ [5.08mm]	Right Angle	View
EB9A-03-C	Plugs and Sockets	.197″ [5.00mm]	Right Angle	View
EB9A-03-D	Plugs and Sockets	.200″ [5.08mm]	Right Angle	View
EB9A-04-C	Plugs and Sockets	.197″ [5.00mm]	Right Angle	View
EB9A-04-D	Plugs and Sockets	.200″ [5.08mm]	Right Angle	View
EB9A-05-C	Plugs and Sockets	.197″ [5.00mm]	Right Angle	View
EB9A-05-D	Plugs and Sockets	.200″ [5.08mm]	Right Angle	View
EBAA-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBAC-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBAC-03-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBAFA-02-D	Wire to Board	.200″ [5.08mm]	Right Angle	View
EBAG-02-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBAG-02-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EBAG-03-C	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBAG-03-M	Wire to Board	.295″ [7.50mm]	Right Angle	View
EBB-02-D-BL	Wire to Board	.200″ [5.08mm]	Right Angle	View
EBB-05-D-BL	Wire to Board	.200″ [5.08mm]	Right Angle	View

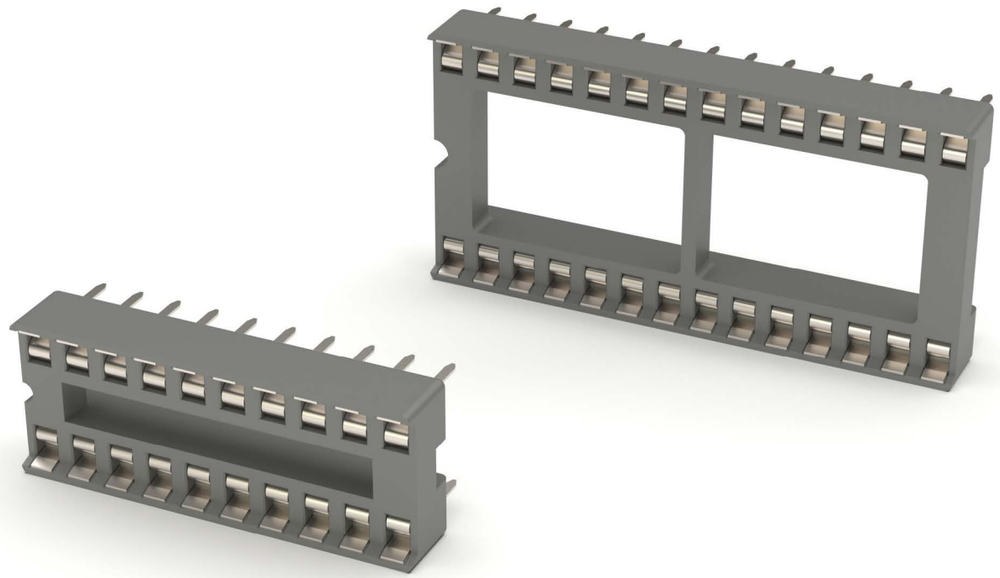
PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EBBA-02-C-SS-BU	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBBA-03-C-SS-BU	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBBA-04-C-SS-BU	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBBA-05-C-SS-BU	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBBA-06-C-SS-BU	Wire to Board	.197″ [5.00mm]	Right Angle	View
EBG-02-D	Wire to Board	.200″ [5.08mm]	45° Angle	View
EBHA-02-C	Plugs and Sockets	.197″ [5.00mm]	Vertical	View
EBHA-02-D	Plugs and Sockets	.200″ [5.08mm]	Vertical	View
EBHA-03-C	Plugs and Sockets	.197″ [5.00mm]	Vertical	View
EBHA-03-D	Plugs and Sockets	.200″ [5.08mm]	Vertical	View
EBHA-04-C	Plugs and Sockets	.197″ [5.00mm]	Vertical	View
EBHA-04-D	Plugs and Sockets	.200″ [5.08mm]	Vertical	View
EBHA-05-C	Plugs and Sockets	.197″ [5.00mm]	Vertical	View
EBHA-05-D	Plugs and Sockets	.200″ [5.08mm]	Vertical	View
EBJA-02-C-BK	Plugs and Sockets	.197″ [5.00mm]	Vertical	View
EBJA-03-C-BK	Plugs and Sockets	.197″ [5.00mm]	Vertical	View
EBJA-04-C-BK	Plugs and Sockets	.197″ [5.00mm]	Vertical	View
EBJA-05-C-BK	Plugs and Sockets	.197″ [5.00mm]	Vertical	View

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EBJA-06-C-BK	Plugs and Sockets	.197″ [5.00mm]	Vertical	View
EBKA-02-A	Plugs and Sockets	.138″ [3.50mm]	Vertical	View
EBKA-02-B	Plugs and Sockets	.150″ [3.81mm]	Vertical	View
EBKA-03-A	Plugs and Sockets	.138″ [3.50mm]	Vertical	View
EBKA-03-B	Plugs and Sockets	.150″ [3.81mm]	Vertical	View
EBKA-04-A	Plugs and Sockets	.138″ [3.50mm]	Vertical	View
EBKA-04-B	Plugs and Sockets	.150″ [3.81mm]	Vertical	View
EBKA-05-A	Plugs and Sockets	.138″ [3.50mm]	Vertical	View
EBKA-05-B	Plugs and Sockets	.150″ [3.81mm]	Vertical	View

IC Sockets

DUAL ROW SOCKETS

Adam Tech ICS Series IC Sockets are a low profile, dual row design available in .100" centerline pin spacing with .300" or .600" row spacing. Our ISD Series are fine pitched sockets on 0.070" centerlines with .300" or .600" row spacing. All Adam Tech sockets are manufactured with our exclusive single beam dual wipe contact design which produces a high pressure wiping action for superior connectivity. In addition to an internal contact stop which prevents over stressing of the contact, each has a wide lead in to eliminate mis-mating and a closed bottom anti-solder wicking design.



FEATURES & SPECIFICATIONS

FEATURES:
High Pressure Contacts
Single Beam, Dual Wipe Contacts
Anti-Solder Wicking design
Machine Insertable
Dual Row
Low Profile

MATING COMPONENTS:
All industry standard components with DIP leads

PACKAGING:
Anti-ESD plastic tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

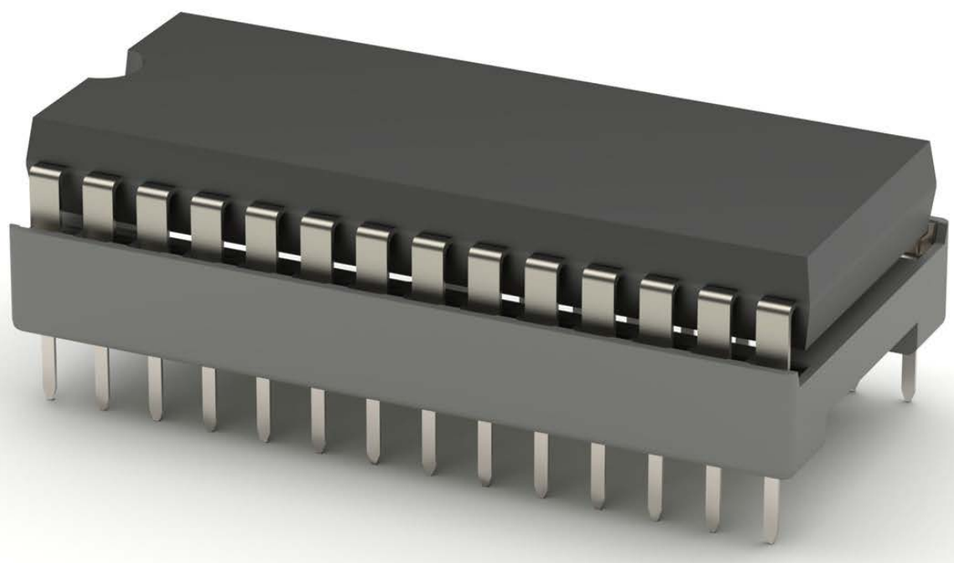
Material:
Standard insulator: PBT, Glass reinforced, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 11.5 oz max with .024" X .006: leads
Withdrawal force: 0.85 oz min with .024" X .006" leads

Temperature Rating:
Operating temperature: -55°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C



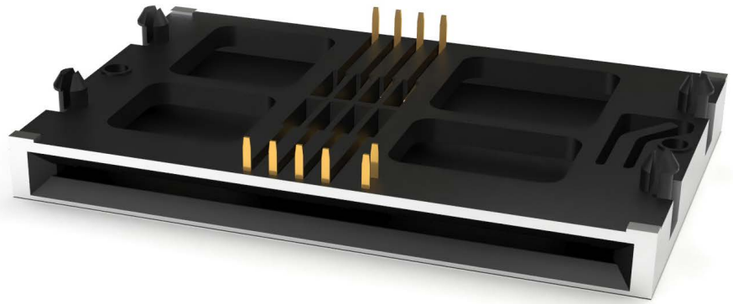
PART NUMBER CONFIGURATION

ICS	-	6	-	28	-	T
SERIES		**ROW SPACING**		**POSITIONS**		**PLATING**
ICS = *.100" IC Socket* **ISD** = *.070" Shrink Socket*		**3** = *.300" row spacing* *Positions: 06, 08, 14, 16, 18, 20, 22, 24, 28* **6** = *.600" row spacing* *Positions: 24, 28, 32, 40, 42, 48*		**06** *thru* **48**		**T** = *Tin plated*

PART NUMBER	CENTERLINE	ROW SPACING	TYPE	POSITIONS	PRODUCT DATA
ICS-3XX-T	.100" Centerline	.300" Row Spacing	Dual Row	6	View
ICS-6XX-T	.100" Centerline	.600" Row Spacing	Dual Row	24	View
ISD-3XX-T	.070" Centerline	.300" Row Spacing	Dual Row	6	View
ISD-642-T	.070" Centerline	.600" Row Spacing	Dual Row	24	View

Memory Connectors & Sockets

Adam Tech's Memory Connector and Sockets Series is a complete range of memory sockets for most memory card applications including Compact Flash, PCMCIA, Memory Stick and Secure Digital. Our advanced designs are focused on their ease of use, mating accuracy, card retention and life cycle. Precision engineered, extremely durable mating contacts and PCB leads contribute to a solid, high reliability, long life design.



FEATURES & SPECIFICATIONS

FEATURES:
Multitude of sockets to satisfy most applications
Precision, compact designs
Fine pitched, heavy duty contacts
Sockets conform to CFA, JEIDA, PCMCIA & JEDEC

MATING OPTIONS:
All industry standard memory cards

SPECIFICATIONS:

Material:
Insulator: PA9 or LCP, glass reinforced, rated UL94V-0
Contacts: Phosphor bronze
Frame / shield: Brass, nickel plated

Contact Plating:
Contact area: Gold over nickel underplate
Solder tails: Tin over copper underplate

Electrical:
Operating voltage: 250V AC max
Current rating range: 0.5 to 1 Amps max
Contact resistance: 40 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating durability: 10,000 cycles min.

Temperature Rating:
Operating temperature range: -20°C to +85°C

PACKAGING:
Anti-ESD plastic trays

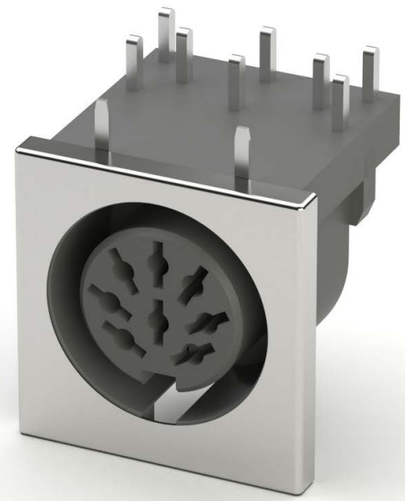
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PART NUMBER CONFIGURATION

MS	- 10	- A	- SG	- NP
SERIES	**POSITIONS**	**TYPE**	**PLATING**	**OPTIONS**
MS = *Memory Stick (Normal Type)* **MMSP** = *Micro Memory Stick (Push-Push Type)* **SD** = *Secure Digital* **SDM** = *Secure Digital (Metal Cover)* **SDP** = *Secure Digital (Push-Push Type)* **SDP-17** = *Secure Digital eXtended Capacity (SD 4.0, UHS-II) (Push-Push Type)* **MSD**= *MiniSecure Digital (Standard Type)* **MSDPR**= *MiniSecure Digital (Push-Push Type) (Reverse Type)* **MCSP** = *Micro Secure Digital (Push-Push Type)* **MCSP-16** = *Secure Digital eXtended Capacity (SD 4.0, UHS-II) (Push-Push Type)* **CF** = *Compact Flash* **CFA** = *Compact Flash (Standard Type)* **CFS** = *Compact Flash Socket* **CF1** = *Compact Flash, Type 1* **CFE** = *Compact Flash, Ejector* **CFR** = *Compact Flash (Reverse Type)* **SCC** = *Sim Card Socket* **MSCC** = *MicroSim Card Socket* **MSCCP** = *MicroSim Card Socket (Push-Push Type)*		**A** = *Type A* **B** = *Type B* **C** = *Type C*	**SG** = *Selective Gold plating in contact area and Tin plating on tails*	*Add designator(s) to end of part number* **T/R** = *Tape & Reel packaging* **SMT** = *Surface Mount Leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **NP** = *No Peg* **SW** = *Switch = Card Detect = CD*

PART NUMBER	TYPE	PRODUCT DATA
CF-50-C-SG-N	Compact Flash	View
CF-50-E-SG-2	Compact Flash	View
MMSP-11-A-SG	Memory Stick	View
MSCC-A-08-G-15-TR	Micro SIM Card Socket	View
MSCC-B-06-G-15-TR	Micro SIM Card Socket	View
MSCC-C-06-G-TR	Micro SIM Card Socket	View
MSCC-C-08-G-TR	Micro SIM Card Socket	View
MSCC-D-08-G-SW-TR	Micro SIM Card Socket	View
MSCCP-A-06-SG-SW-TR	Micro SIM Card Socket	View
MSCCP-A1-06-SG-SW-TR	Micro SIM Card Socket	View
MSCCP-B-06-G-SW-TR	Micro SIM Card Socket	View
MSCCP-D-06-SG-SW-TR	Micro SIM Card Socket	View
MSCCP-D-08-SG-SW-TR	Micro SIM Card Socket	View
MSD-11-A-SG	Mini Secure Digital	View
MSDPR-11-C-SG	Mini Secure Digital	View
NSCC-A2-06-G-SMT-TR	Nano SIM Card Socket	View
NSCC-C-06-G-SMT-SW-TR	Nano SIM Card Socket	View
NSCCP-D-06-G-SMT-SW-TR	Nano SIM Card Socket	View
SCC-A3-08-SG-HC-TR	SIM Card Socket	View
SCC-K-06-SGM-SMT-B-TR	SIM Card Socket	View
SCC-Q1-06-G-SMT-TR	SIM Card Socket	View
SDP-09C-SG	Secure Digital	View
SDP-09M-SG-TR	Secure Digital	View
SDP-09N-G-TR	Secure Digital	View

Adam Tech's standard offering of Circular DIN Connectors provides interconnect solutions to a broad range of applications. These connectors are offered in 3-8 positions, and in various styles and configurations. Other options include PCB pin or solder eyelet termination, straight or right angle orientation, and shielded or unshielded.



FEATURES & SPECIFICATIONS

FEATURES:
Wide range of styles
Offered in 3 thru 13 positions
Standard and shielded versions available
Excellent for Low Level signal applications

MATING PLUGS:
All industry standard circular DIN plugs.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT glass filled, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass
Shield: Copper Alloy, Bright Nickel plated
Contact Plating:
Tin over Copper underplate overall

Electrical:
Operating voltage: 20V DC max.
Current rating: 2 Amps max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 15 lb max.
Withdrawal force: 0.8 lb min
Mating durability: 5000 cycles min.

Temperature Rating:
Operating temperature: -55°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

RIGHT ANGLE PC BOARD MOUNT PART NUMBER CONFIGURATION

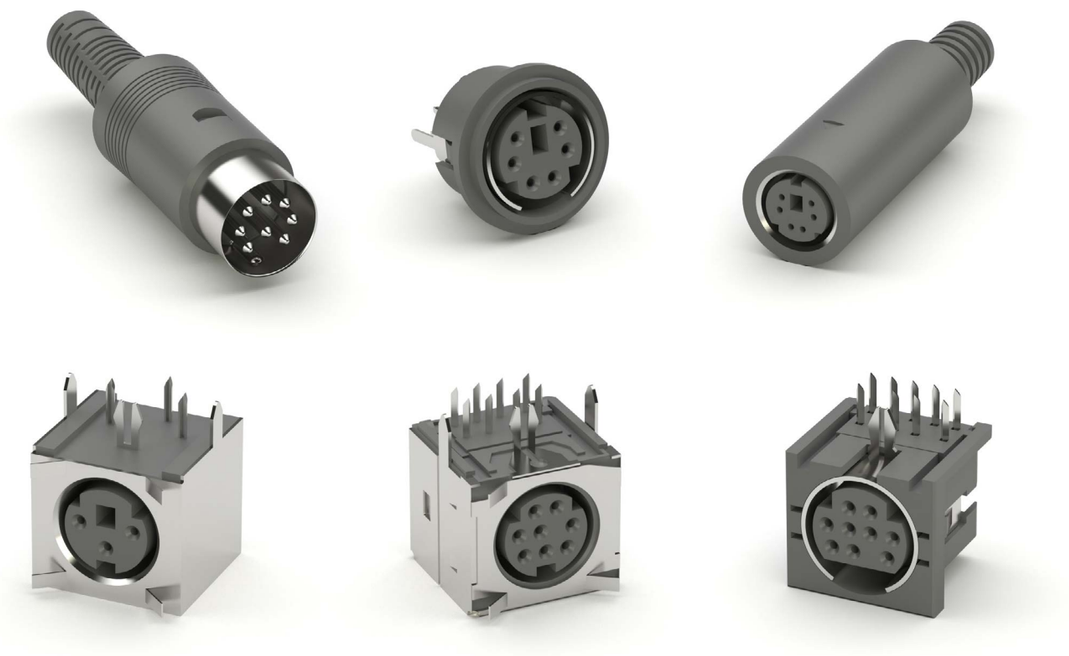
DJ	-	005	-	S
SERIES		**POSITIONS**		**FOOTPRINT/SHIELDING**
DJ = *Right Angle, PC board mount Din Jack*		*3P thru 13P shown as* **003** *thru* **013**		*Blank = Non-shielded, 10mm centerline front pins* **.5** = *Non shielded 5mm centerline front pins* **S** = *Metal shield, 10mm centerline front pins* **S.5** = *Metal shield, 5mm centerline front pins*

STRAIGHT PC BOARD MOUNT AND PANEL MOUNT VERSIONS PART NUMBER CONFIGURATION

DJN	-	005	-	A
SERIES		**POSITIONS**		**TERMINATION**
DJP = *Panel mount w/ Mounting Flange* **DJN** = *Barrel type straight PCB mount*		*3P thru 13P shown as* **003** *thru* **013**		**A** = *Solder eyelet* **B** = *PCB pin*

PART NUMBER	GENDER	MOUNTING ORIENTATION	POSITIONS	TERMINATION	SHIELDING	PRODUCT DATA
DJ-00X-5	Receptacle	Right Angle, PCB Mount	3	PCB Pins	Non Shielded, 5mm Centerline Front Pins	View
DJ-00X-S	Receptacle	Right Angle, PCB Mount	3	PCB Pins	Shielded, 10mm Centerline Front Pins	View
DJ-00X-S5	Receptacle	Right Angle, PCB Mount	3	PCB Pins	Shielded, 5mm Centerline Front Pins	View
DJN-00X-A	Receptacle	Straight PCB Mount	3	Solder Eyelet		View
DJN-00X-D	Receptacle	Straight PCB Mount	3	PCB Pins		View
DJP-00XA-A	Receptacle	Straight Panel Mount	3	Solder Eyelet		View
DJP-00XA-B	Receptacle	Straight Panel Mount	3	PCB Pins		View

Adam Tech's line of Mini DIN Connectors are ideal for applications with capacity constraints. The small size receptacles are offered in 3-9 positions, and in various styles and configurations. Other options include mounting, orientation, termination, and shielding options. Mini DIN plugs are available to seamlessly mate with the line of receptacles.



FEATURES & SPECIFICATIONS

FEATURES:
Wide range of styles
Offered in 3 thru 13 positions
Standard and shielded versions available
Excellent for Low Level signal applications

MATING PLUGS:
All industry standard circular DIN plugs.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT glass filled, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass
Shield: Copper Alloy, Bright Nickel plated
Contact Plating:
Tin over Copper underplate overall

Electrical:
Operating voltage: 20V DC max.
Current rating: 2 Amps max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 15 lb max.
Withdrawal force: 0.8 lb min
Mating durability: 5000 cycles min.

Temperature Rating:
Operating temperature: -55°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

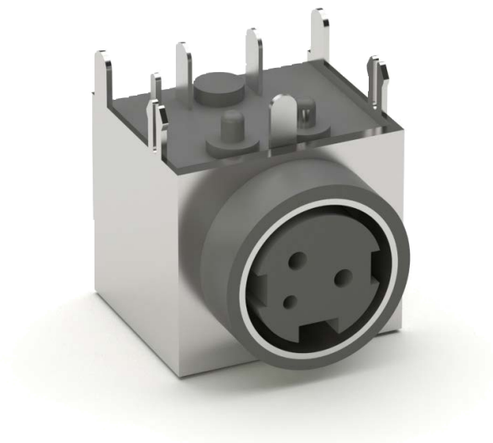
MDJ	- 005	- FS	- B	- W
SERIES	**POSITIONS**	**SHIELDING**	**MOUNTING (MDV SERIES)**	**TERMINATION (MDE SERIES)**
MDJ = *Right Angle Receptacle, PCB Mount* **MDJD** = *Stacked Right Angle Receptacle, PCB Mount* **MDV** = *Vertical Receptacle, PCB Mount* **MDE** = *Panel Mount Receptacle, Wire Leaded with Flange* **MDP** = *Male Plug* **MDS** = *Female Plug*	*3P thru 9P shown as 003 thru 009*	**Blank** = *No shield* **S** = *Four sided shield* **FS** = *Five sided shield*	**Blank** = *No mounting provision* **B** = *Threaded outer shell with mounting nut* **E** = *Flanges with mounting holes*	**W** = *6" wire leads stripped .250"*

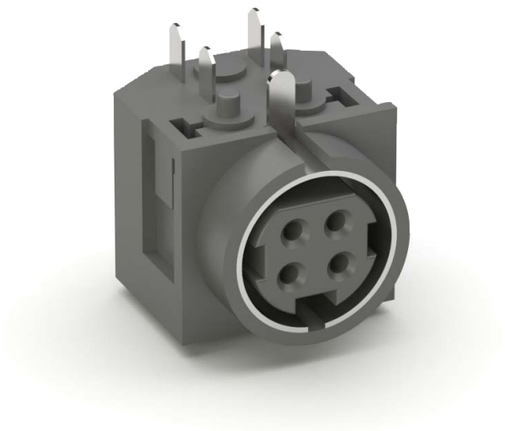
PART NUMBER	GENDER	MOUNTING ORIENTATION	POSITIONS	SHIELDING	TERMINATION	MOUNTING	PRODUCT DATA
MDE-00X-W	Receptacle	Vertical	3 - 8	Not Shielded	6" Wire Leads Stripped .250"	Panel Mount Flanges with Mounting Holes	View
MDJ-009-FS	Receptacle	Right Angle	9	Five Sided Shield	PCB	PCB Mount	View
MDJ-00X	Receptacle	Right Angle	3 - 8	Not Shielded	PCB	PCB Mount	View
MDJ-00X-FS	Receptacle	Right Angle	3 - 8	Five Sided Shield	PCB	PCB Mount	View
MDJ-00X-S	Receptacle	Right Angle	3 - 8	Four Sided Shield	PCB	PCB Mount	View
MDJD-004-FS	Stacked Receptacle	Right Angle	4	Five Sided Shield	PCB	PCB Mount	View
MDJD-006-FS-RT	Stacked Receptacle	Right Angle	6	Five Sided Shield	PCB	PCB Mount	View
MDP-009	Male Plug	N/A	9	Not Shielded	Solder, Cable	Cable Mount	View
MDP-00X	Male Plug	N/A	3 - 8	Not Shielded	Solder, Cable	Cable Mount	View
MDP-XX-X	Male Plug	N/A	3 - 8	Not Shielded	Solder, Cable	Cable Mount	View
MDS-009	Female Plug	N/A	9	Not Shielded	Solder, Cable	Cable Mount	View
MDS-XXX	Female Plug	N/A	3 - 8	Not Shielded	Solder, Cable	Cable Mount	View
MDV-00X	Receptacle	Vertical	3 - 8	Not Shielded	PCB	PCB Mount	View
MDV-00X-B	Receptacle	Vertical	3 - 8	Not Shielded	PCB	Threaded Outer Shell with Mounting Nut	View
MDV-00X-E	Receptacle	Vertical	3 - 8	Not Shielded	PCB	Panel Mount Flanges with Mounting Holes	View

DIN Connectors & Plugs

POWER DIN CONNECTORS

Adam Tech's line of Power Din Connectors are ideal for applications requiring power connections, as well as both power and signal connections. These connectors operate at a voltage of 30-50 VDC and a current rating of 7-7.5 amps. The receptacles are offered in 3 or 4 positions, right angle or vertical orientation, shielded or unshielded, and with through hole mounting. A power DIN plug is available to seamlessly mate with the line of receptacles.





FEATURES & SPECIFICATIONS

FEATURES:
Wide range of styles
Offered in 3 thru 13 positions
Standard and shielded versions available
Excellent for Low Level signal applications

MATING PLUGS:
All industry standard circular DIN plugs.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT glass filled, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass
Shield: Copper Alloy, Bright Nickel plated
Contact Plating:
Tin over Copper underplate overall

Electrical:
Operating voltage: 20V DC max.
Current rating: 2 Amps max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 15 lb max.
Withdrawal force: 0.8 lb min
Mating durability: 5000 cycles min.

Temperature Rating:
Operating temperature: -55°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

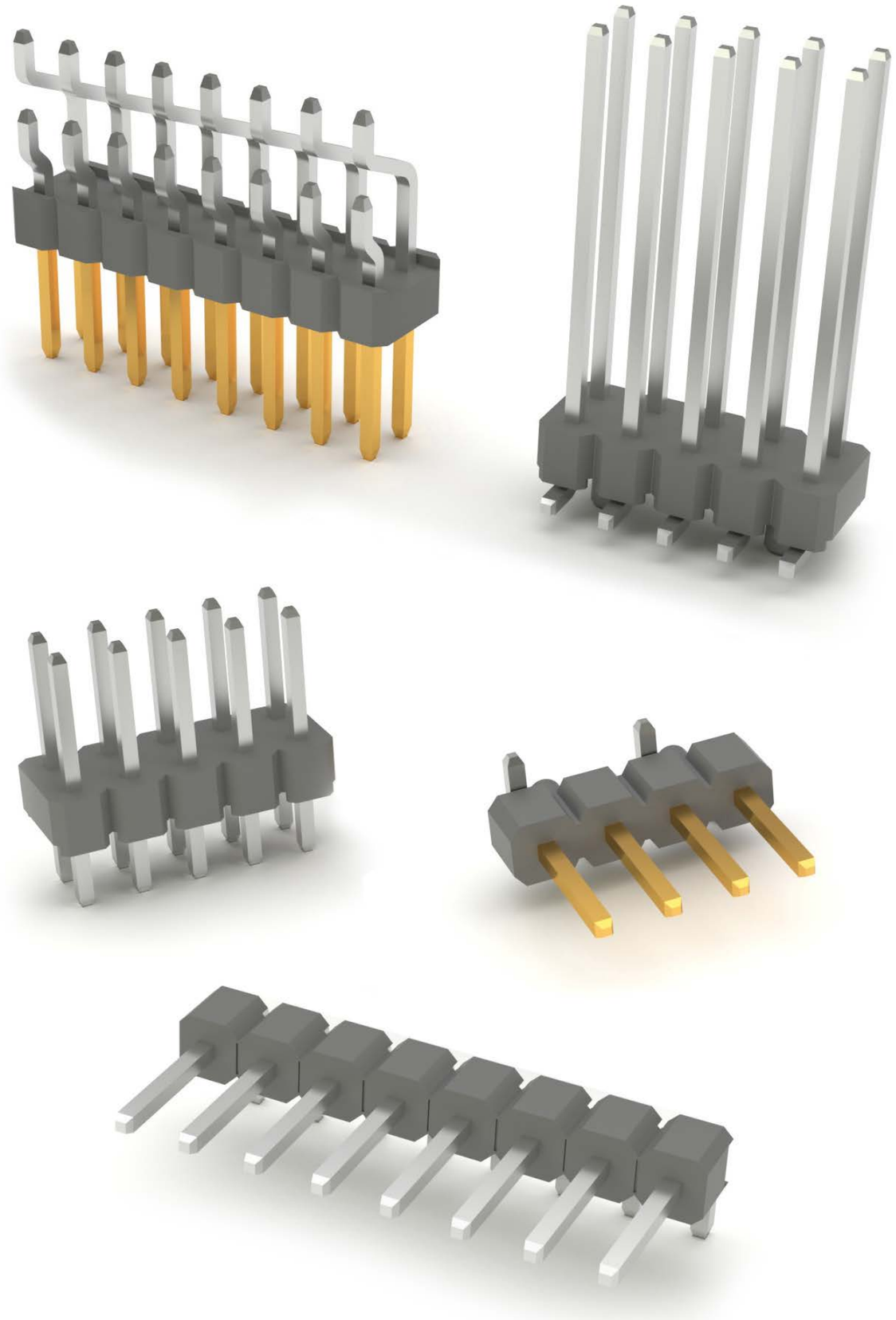
PART NUMBER CONFIGURATION

MPJ	-	3P	-	V	-	S
SERIES		**POSITIONS**		**MOUNTING ANGLE**		**OPTIONS**
MPJ = *Mini DIN Power Jack* **MPJ** = *Mini DIN Power Plug*		**3P** = *3 Positions, 2 Power and 1 Signal Contact* **4P** = *4 Position, All Power Contacts*		**Blank** = *Right Angle* **V** = *Vertical*		*Add designator(s) to end of part number* **S** = *Shielded* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C*

PART NUMBER	GENDER	MOUNTING ORIENTATION	POSITIONS	OPTIONS	PRODUCT DATA
MP-XX-D	Plug				View
MPJ-3P	Receptacle	Right Angle Thru Hole	3		View
MPJ-3P-S	Receptacle	Right Angle Thru Hole	3	Shielded	View
MPJ-4P	Receptacle	Right Angle Thru Hole	4		View
MPJ-4P-S	Receptacle	Right Angle Thru Hole	4	Shielded	View
MPJ-4P-V-S	Receptacle	Vertical Thru Hole	4		View

Pin Headers

Adam Tech's Pin Header series is a full range of headers in a variety of configurations, including single or dual row, straight or right angle, and through hole or surface mount. Their close tolerance, .025" sq. posts are smoothly finished, and taper tipped to eliminate insertion damage to the PCB or mating connector. These customizable pin headers can be ordered in specific requested sizes, with additional options including stacked insulators and tin, gold or selective gold plating.



FEATURES & SPECIFICATIONS

FEATURES:

Single or dual row
Pitch options ranging from 0.031" (0.80 mm) to 0.100" (2.54 mm)
Positions: 1 to 100
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
Current rating: 1 A to 3 A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Temperature Rating:
Operating temperature range: -40°C to +105°C

PACKAGING:

Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.031” [0.8mm] pitch
Positions: 4 to 80
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 1A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

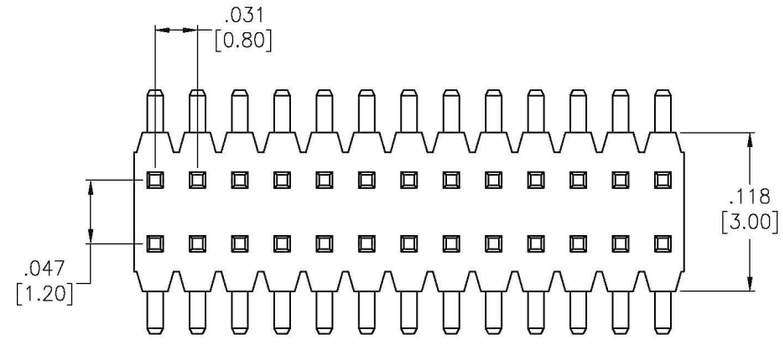
Mechanical:
Mating durability: 500 cycles

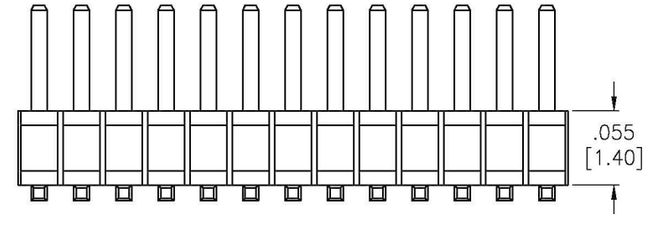
Temperature Rating:
Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

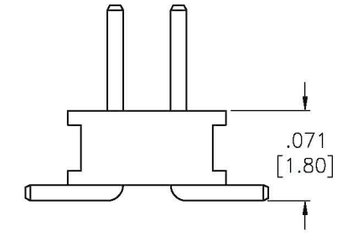
PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPH2







PART NUMBER CONFIGURATION

SPH2 -	20 -	SG -	SMT -	P
SERIES	**POSITIONS**	**PLATING**	**MOUNTING**	**OPTIONS**
SPH2 = *0.8mm Dual Row Header*	**04** *thru* **80**	**U** = *Gold plated* **SG** = *Selectively gold plated* **T** = *Tin plated*	**Blank** = *Thru-hole* **SMT** = *Surface mount*	*Add designator(s) to end of part number* **P** = *Peg* **PP** = *With Cap* **T/R** = *Tape & Reel packaging*

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
SPH2-XX-U-SMT	0.031" [0.80mm]	Dual Row	Gold	Vertical Surface Mount	View

FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.039” [1.0mm] pitch
Positions: 4 to 80
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 1A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating durability: 500 cycles

Temperature Rating:
Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

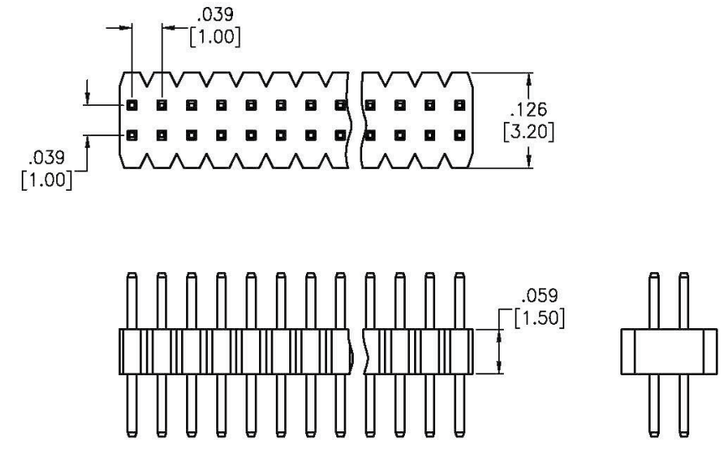
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PART NUMBER CONFIGURATION

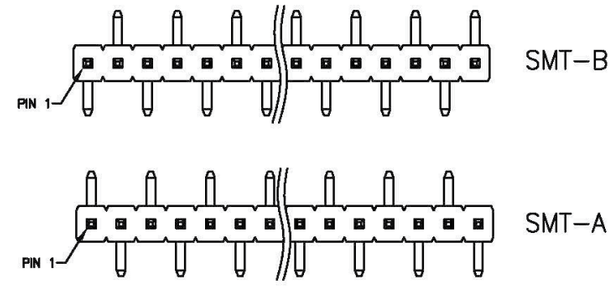
MPH2	- 20	- SG	- SMT	- P
SERIES	**POSITIONS**	**PLATING**	**MOUNTING**	**OPTIONS**
MPH2 = *1.0mm Dual Row Pin Header* **MPH2L** = *1.0mm Dual Row Pin Header, 1.0mm insulator height* **MPH1**=*1.0mm Single Row Pin Header, 1.5mm insulator height* **MPH1L** = *1.0mm Single Row Pin Header, 1.0mm insulator height*	**04** *thru* **80**	**U** = *Gold plated* **SG** = *Selectively gold plated* **T** = *Tin plated*	**Blank** = *Thru-hole* **SMT** = *Surface mount*	*Add designator(s) to end of part number* **P** = *Peg* **PP** = *With Cap* **T/R** = *Tape & Reel packaging* **SMT-A** = *Surface mount leads Type A with First Pin up* **SMT-B** = *Surface mount leads Type B with First Pin down*

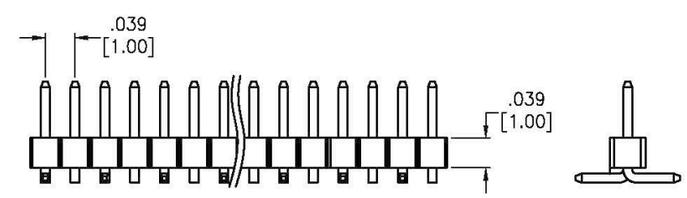
PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
MPH2-XX-U	0.039" [1.00mm]	Dual Row	Gold	Vertical Through Hole	View
MPH2-XX-U-SMT	0.039" [1.00mm]	Dual Row	Gold	Vertical Surface Mount	View

MPH2

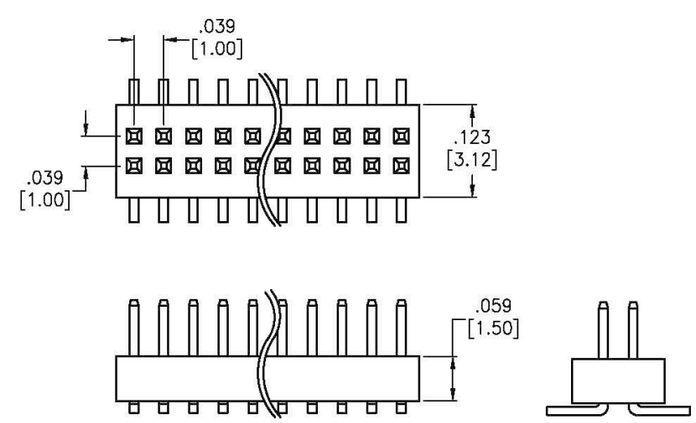


MPH1L SMT





MPH2 SMT



FEATURES & SPECIFICATIONS

FEATURES:
Single and dual row
.050” [1.27mm] pitch
Positions: 2 to 100
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 1A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

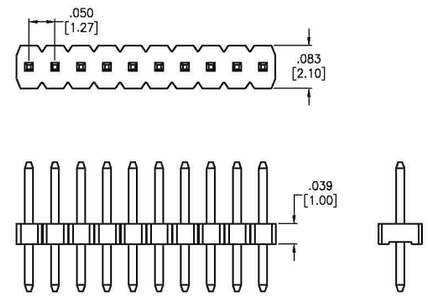
Mechanical:
Mating durability: 500 cycles

Temperature Rating:
Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

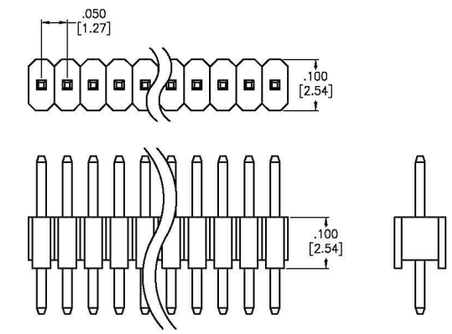
PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

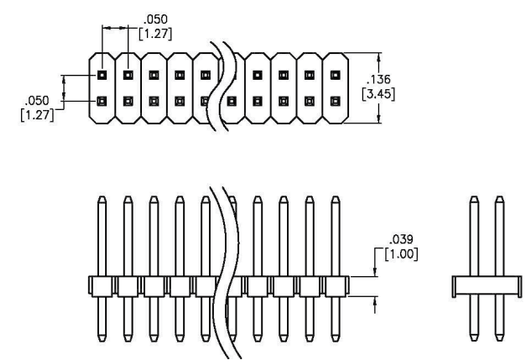
HPH1–A



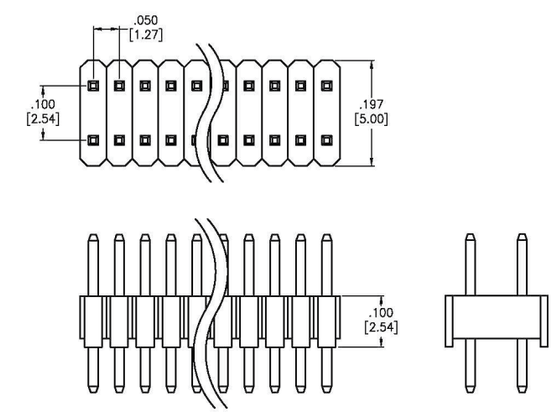
HPH1–B



HPH2–A



HPH2–B



PART NUMBER CONFIGURATION

HPH2	- B	- XX	- SG	- A	- HT
SERIES	**INSULATOR SIZE**	**POSITIONS**	**PLATING**	**MATING / SOLDER TAIL LENGTH**	**OPTIONS**
HPH1 = *.050" Single Row Straight Pin Header* **HPH1R** = *.050" Single Row R/A Pin Header* **HPH2** = *.050" Dual Row Straight Pin Header* **HPH2R** = *.050" Dual Row R/A Pin Header*	**A** = *.039" [1.0mm] Insulator Thickness Single Row or Dual Row (Pitch .050" X .050")* **B** = *.100" [2.54mm] Insulator Thickness Single Row or Dual Row (Pitch .050" X .100")*	**02** *thru* **50** = *Single Row* **04** *thru* **100** = *Dual Row*	**SG** = *Selective Gold plating in contact area, Tin plating on Solder Tails* **U** = *Gold Plated* **T** = *Tin Plated*	**A** = *Standard Length* **B** = *Special Length in Inches customer specified defined as Tail length / Overall length Example: .090/.247* *Note: For special Mating Length with SMT tails is defined as -SMT- XXX (-XXX is Length in Inches) Example: SMT-.118*	*Add designator(s) to end of part number* **HT** = *Hi-Temp Insulator for Hight Temp soldering process 260°C* **KT** = *Kapton Pick & Place Tape* **L** = *.059" [1.5mm] Insulator Height* **P** = *Locating Pegs* **PP** = *Pick & Place Cap* **SMT** = *Dual Row Surface Mount* **SMT-A** = *Single Row Surface Mount Leads Type A* **SMT-B** = *Single Row Surface Mount Leads Type B* **T/R** = *Tape & Reel Packaging*

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
HPH1-A-XX-TA	0.050" [1.27mm]	Single Row	Tin	Vertical Through Hole	View
HPH1-A-XX-UA	0.050" [1.27mm]	Single Row	Gold	Vertical Through Hole	View
HPH1-B-XX-TA	0.050" [1.27mm]	Single Row	Tin	Vertical Through Hole	View
HPH1-B-XX-UA	0.050" [1.27mm]	Single Row	Gold	Vertical Through Hole	View
HPH2-A-XX-UA	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	View
HPH2-A-XX-UA-SMT	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	View
HPH2-B-XX-UA	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	View

Pin Headers

.050” [1.27MM] SINGLE AND DUAL ROW, DUAL INSULATOR

FEATURES & SPECIFICATIONS

FEATURES:

Single and dual row
.050” [1.27mm] pitch
Positions: 1 to 100
Dual Insulator
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 1A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

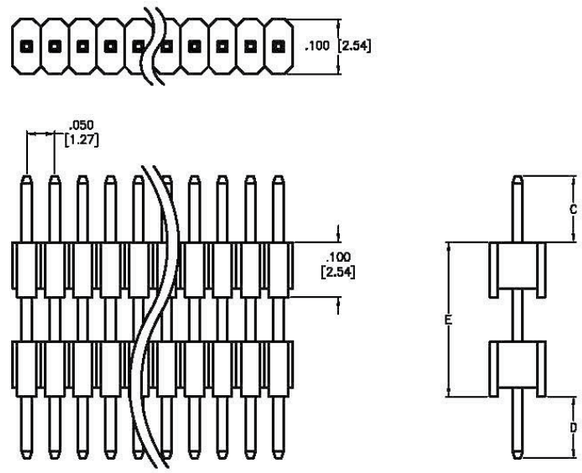
Mechanical:
Mating durability: 500 cycles

Temperature Rating:
Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

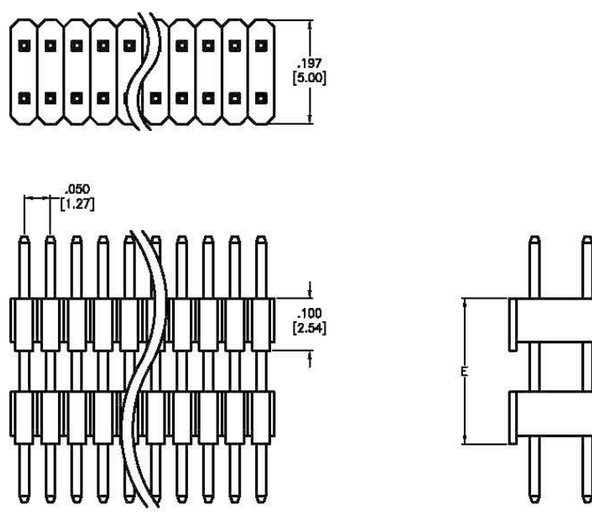
PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

DHPH–1



DHPH–2



PART NUMBER CONFIGURATION

DHPH - 2 - 50 - SG - .XXX"/.XXX"/.XXX - P
“C” DIM. “D” DIM. “E” DIM.

SERIES	NO. OF ROWS	POSITIONS	PLATING	STACKING DIMENSIONS	OPTIONS
DHPH = *Dual insulator .050"centerline Pin Header*	Single row .050" **1** *H=2.54mm, W=2.54mm* Dual row .050"x.100" **2** *H=2.5mm, W=5mm*	**01** *thru* **50** *(single row)* **04** *thru* **100** *(dual row)*	**U** = *Gold plated* **T** = *Tin plated* **MT** = *Matte Tin plated* **SG** = *Gold plating in contact area tin plating on solder tails*	*Specified In Inches As: C” Dim. / “D” Dim. / “E” Dim. Replace “D” Dim. with “SMT” for Surface Mount Option*	*Add designator(s) to end of part number* **T/R** = *Tape and reel packaging* **NP** = *No Peg* **P** = *Optional locating peg* **PP** = *With Cap* **L** = *1.50mm Insulator* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufacturedwith Hi-Temp insulators)* **SMT** = *Dual Row Surface Mount leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **SMT-A** = *Single Row Surface Mount Leads Type A* **SMT-B** = *Single Row Surface Mount Leads Type B*

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
DHPH-1-XX-U-CDE	0.050" [1.27mm]	Single Row	Gold	Vertical Through Hole	View
DHPH-1-XX-U-CSMTE	0.050" [1.27mm]	Single Row	Gold	Vertical Surface Mount	View
DHPH-2-XX-U-CDE	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	View
DHPH-2-XX-U-CSMTE	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	View
DPH-2-XX-SG-.300/.100/.200	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Through Hole	View

Pin Headers

.079” [2.0MM] SINGLE AND DUAL ROW

FEATURES & SPECIFICATIONS

FEATURES:

Single and dual row
.079” [2.0mm] pitch
Positions: 1 to 80
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 1A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:

Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:

U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Mating durability: 1,000 cycles

Temperature Rating:

Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

PACKAGING:

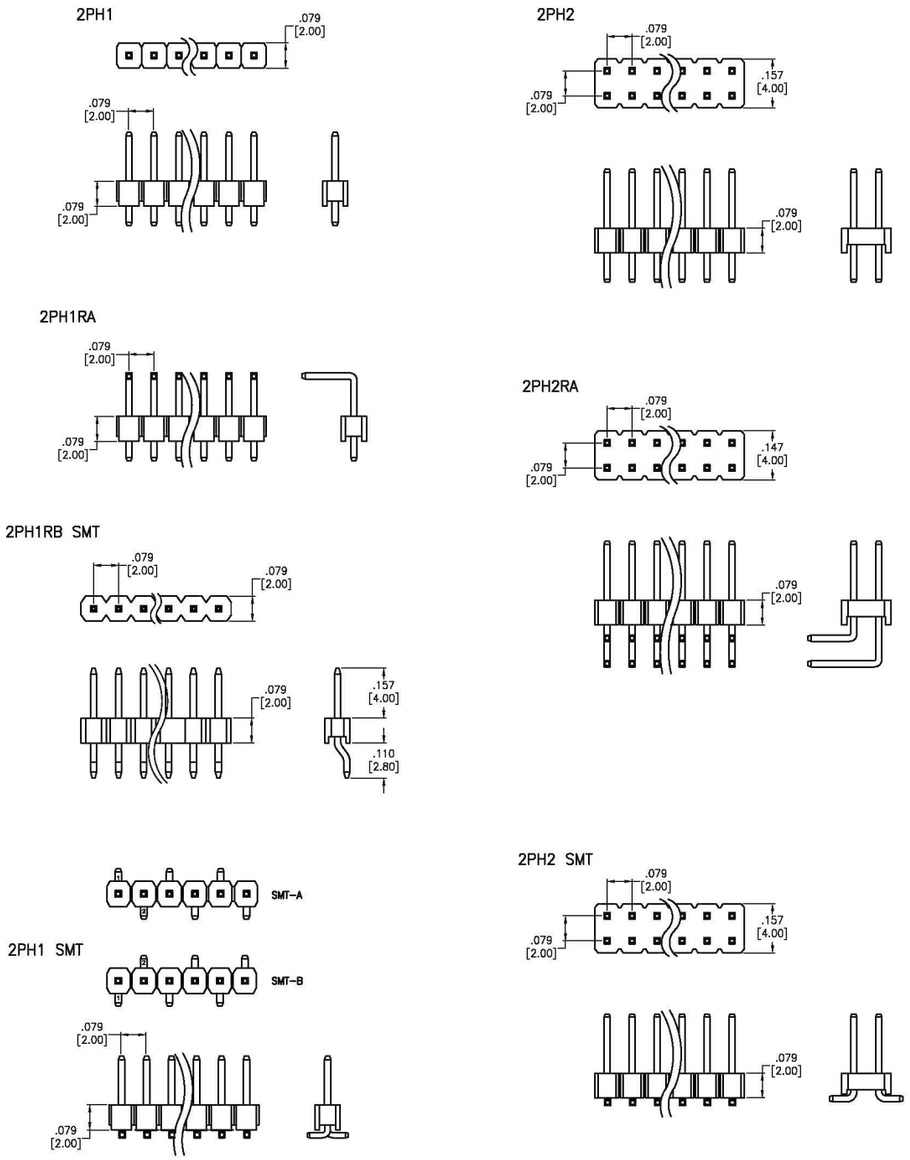
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

PART NUMBER CONFIGURATION

2PH1	- 40	- U	- A	- SMT-A
SERIES	**POSITIONS**	**PLATING**	**PIN LENGTH**	**OPTIONS**
2PH1 = *2.00mm Single Row Straight Pin Header* **2PH2** = *2.00mm Dual Row Straight Pin Header* **2PH2W** = *2.00mm Dual Row Straight Pin Header (wcon)* **2PH2H** = *2.00mm Dual Row Straight Pin Header W4.30*H4.00mm* **2PH2HR** = *2.00mm Dual Row Right Angle Pin Header W4.30*H4.00mm* **2PH1R** = *2.00mm Single Row Right Angle Pin Header* **2PH1RA** = *2.00mm Single Row Right Angle Pin Header (High Profile)* **2PH1RB** = *2.00mm Single Row Right Angle Pin Header (-SMT)* **2PH2R** = *2.00mm Dual Row Right Angle Pin Header* **2PH2RA** = *2.00mm Dual Row Right Angle Pin Header*	*Single row:* **1** *thru* **40** *Dual row:* **2** *thru* **80**	**U** = *Gold plated* **SG** = *Selectively gold plated* **T** = *Tin plated*	**A** = *Standard length* **B** = *Special length, customer specified defined as: tail dim/total length*	*Add designator(s) to end of part number* **SMT-A** = *Surface Mount leads Type A* **SMT-B** = *Surface Mount Leads Type B* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)* **L** = *Low profile 1.5mm insulator thickness* **P** = *Locating pegs* **T/R** = *Tape & Reel packaging* **KT** = *With Mylar* **PP** = *With Cap*



PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
2PH1-XX-SGA	0.079" [2.00mm]	Single Row	Selective Gold	Vertical Through Hole	View
2PH1-XX-TA	0.079" [2.00mm]	Single Row	Tin	Vertical Through Hole	View
2PH1-XX-UA	0.079" [2.00mm]	Single Row	Gold	Vertical Through Hole	View
2PH1-XX-UA-SMT-A	0.079" [2.00mm]	Single Row	Gold	Vertical Surface Mount	View
2PH1-XX-UA-SMT-B	0.079" [2.00mm]	Single Row	Gold	Vertical Surface Mount	View
2PH1R-XX-UA	0.079" [2.00mm]	Single Row	Gold	Right Angle Through Hole	View
2PH2-XX-SGA	0.079" [2.00mm]	Dual Row	Selective Gold	Vertical Through Hole	View
2PH2-XX-TA	0.079" [2.00mm]	Dual Row	Tin	Vertical Through Hole	View
2PH2-XX-UA	0.079" [2.00mm]	Dual Row	Gold	Vertical Through Hole	View
2PH2R-XX-TA	0.079" [2.00mm]	Dual Row	Tin	Right Angle Through Hole	View
2PH2R-XX-UA	0.079" [2.00mm]	Dual Row	Gold	Right Angle Through Hole	View

Pin Headers

.079” [2.0MM] SINGLE AND DUAL ROW, DUAL INSULATOR

FEATURES & SPECIFICATIONS

FEATURES:

Single and dual row
.079” [2.0mm] pitch
Positions: 2 to 80
Dual insulator
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 1A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

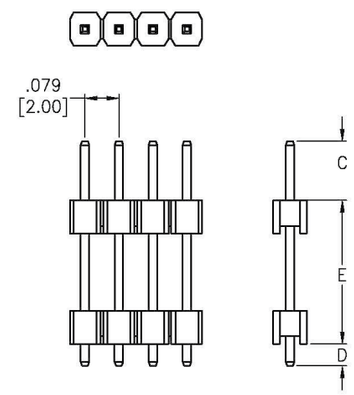
Mechanical:
Mating durability: 1,000 cycles

Temperature Rating:
Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

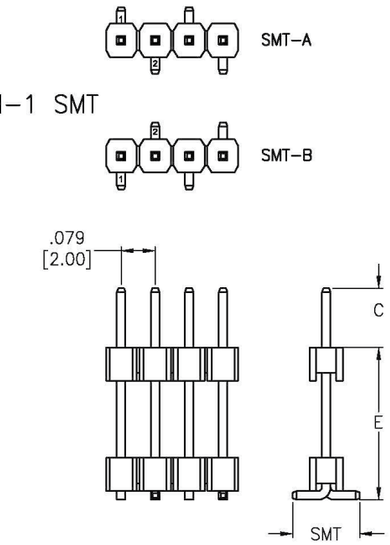
PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

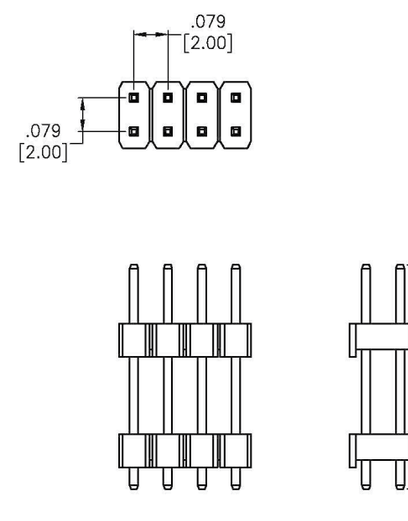
D2PH–1



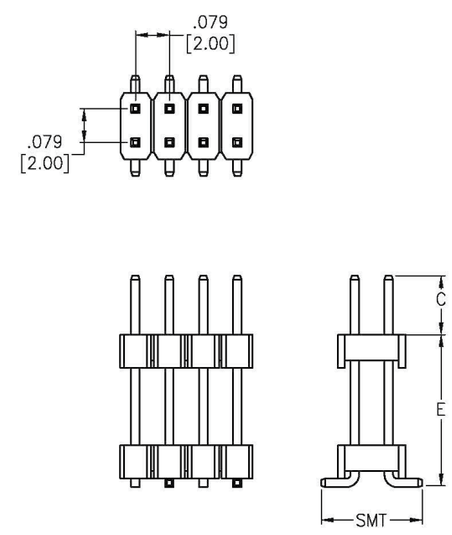
D2PH–1 SMT



D2PH–2



D2PH–2 SMT



PART NUMBER CONFIGURATION

D2PH-	1	- 40	- SG	- .XXX"/.XXX"/.XXX "C" DIM. "D" DIM. "E" DIM.	- L
SERIES	**NO. OF ROWS**	**POSITIONS**	**PLATING**	**STACKING DIMENSIONS**	**OPTIONS**
D2PH = *2mm Dual Insulator Pin Header* **D2PH1R** = *2mm Dual Insulator Pin Header Single row R/A*	**1** = *Single row* **2** = *Dual row*	*Single row:* **2** *thru* **40** *Dual row:* **4** *thru* **80**	**U** = *Gold plated* **T** = *Tin plated* **MT** = *Matte Tin plated* **SG** = *Gold plating in contact area tin plating on solder tails*	*Specified In Inches As:* *C" Dim. / "D" Dim. / "E" Dim.* *Replace "D" Dim. with "SMT" for Surface Mount Option*	*Add designator(s) to end of part number* **SMT-A** = *Surface Mount leads Type A* **SMT-B** = *Surface Mount Leads Type B* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* *(Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)* **L** = *Low profile 1.5mm insulator thickness* **P** = *Locating pegs* **PP** = *With Cap* **T/R** = *Tape & Reel packaging*

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
D2PH-1-XX-U-CDE	0.079" [2.00mm]	Single Row	Gold	Vertical Through Hole	View
D2PH-1-XX-U-CSMTE-A	0.079" [2.00mm]	Single Row	Gold	Vertical Surface Mount	View
D2PH-2-XX-U-CDE	0.079" [2.00mm]	Dual Row	Gold	Vertical Through Hole	View
D2PH-2-XX-U-CSMTE	0.079" [2.00mm]	Dual Row	Gold	Vertical Surface Mount	View

Pin Headers

.100” [2.54MM] SINGLE AND DUAL ROW

FEATURES & SPECIFICATIONS

FEATURES:

Single and dual row
.100” [2.54mm] pitch
Positions: 1 to 80
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 3A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating durability: 1,000 cycles

Temperature Rating:
Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

PACKAGING:
Anti-ESD plastic bags
(Tape and Reel available for SMT option)

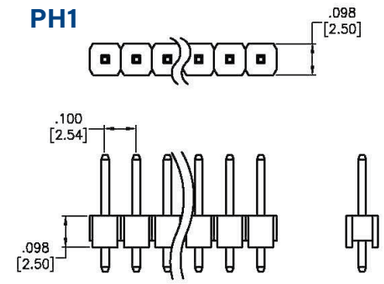
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PART NUMBER CONFIGURATION

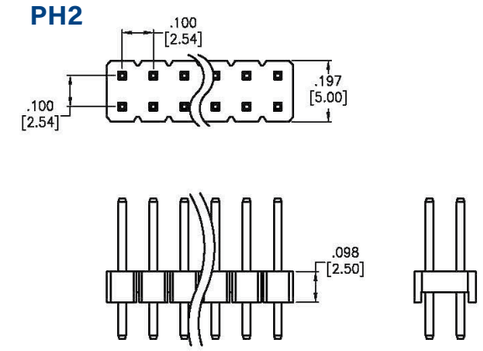
PH1 - 40 - U - A - HT

SERIES	POSITIONS	PLATING	MATING/TAIL LENGTH	OPTIONS
PH1 = *Single Row, Straight* **PH1RA** = *Single Row,Right Angle, High Profile* **PH1RB** = *Single Row, Right Angle, Low Profile* **PH2** = *Dual Row, Straight* **PH2RA** = *Dual Row, Right Angle*	*PH1* : **1** *Thru* **40** *PH2* : **2** *Thru* **80**	**U** = *Gold flash overall* **T** = *100 µin tin overall* **SG** = *Gold flash on mating area 100 µin tin lead on solder tail*	**A** = *Mating Length ("C" dim.) = .235" Solder Tail ("D" dim.) = .120"* **B** = *Mating Length ("C" dim.) = .318" Solder Tail Length ("D" dim.) = .120" Special lengths available contact factory*	*Add designator(s) to end of part number* **SMT** = *Surface mount leads Dual row with Hi-Temp insulator* **SMT-A** = *Surface mount leads Type A with Hi-Temp insulator* **SMT-B** = *Surface mount leads Type B with Hi-Temp insulator* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)* **L** = *Low profile 1.50 mm insulator thickness* **T/R** = *Tape & Reel packaging* **KT** = *Mylar* **PP** = *Cap* **P** = *Peg*

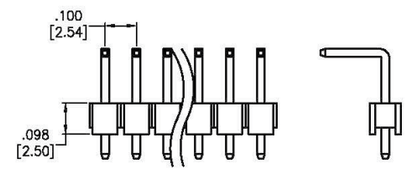
PH1



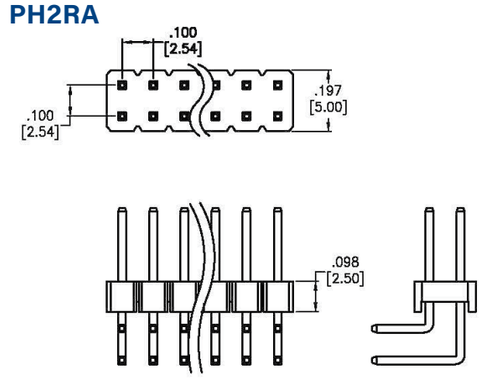
PH2



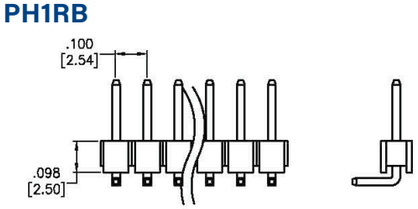
PH1RA



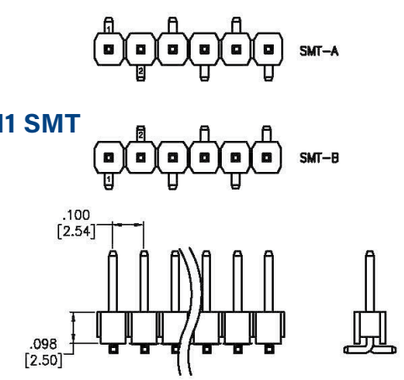
PH2RA



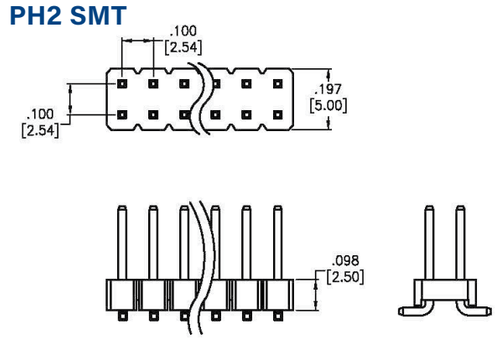
PH1RB



PH1 SMT



PH2 SMT



PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
PH1-XX-SGA	0.100" [2.54mm]	Single Row	Selective Gold	Vertical Through Hole	View
PH1-XX-TA	0.100" [2.54mm]	Single Row	Tin	Vertical Through Hole	View
PH1-XX-UA	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	View
PH1-XX-UA-HT	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	View
PH1-XX-UB	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	View
PH1RA-XX-TA	0.100" [2.54mm]	Single Row	Tin	Right Angle Through Hole	View
PH1RA-XX-UA	0.100" [2.54mm]	Single Row	Gold	Right Angle Through Hole	View
PH1RA-XX-UB	0.100" [2.54mm]	Single Row	Gold	Right Angle Through Hole	View

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
PH1RB-XX-TA	0.100" [2.54mm]	Single Row	Tin	Right Angle Through Hole	View
PH1RB-XX-UA	0.100" [2.54mm]	Single Row	Gold	Right Angle Through Hole	View
PH2-XX-SGA	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Through Hole	View
PH2-XX-TA	0.100" [2.54mm]	Dual Row	Tin	Vertical Through Hole	View
PH2-XX-UA	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	View
PH2RA-XX-TA	0.100" [2.54mm]	Dual Row	Tin	Right Angle Through Hole	View
PH2RA-XX-UA	0.100" [2.54mm]	Dual Row	Gold	Right Angle Through Hole	View

Pin Headers

.100” [2.54MM] SINGLE AND DUAL ROW, DUAL INSULATOR

FEATURES & SPECIFICATIONS

FEATURES:
Single, dual, and triple row
.100” [2.54mm] pitch
Positions: 1 to 120
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 3A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

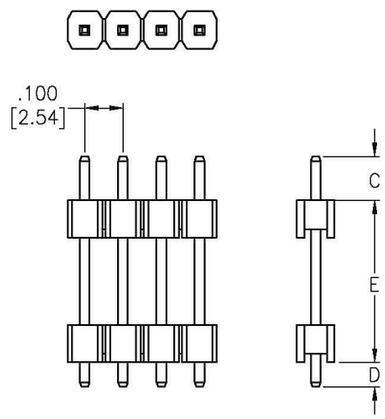
Mechanical:
Mating durability: 1,000 cycles

Temperature Rating:
Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

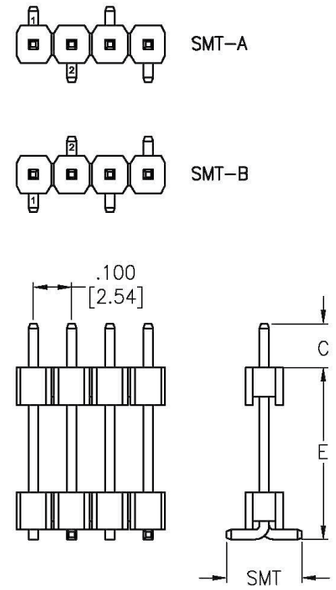
PACKAGING:
Anti-ESD plastic bags
(Tape and Reel available for SMT option)

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

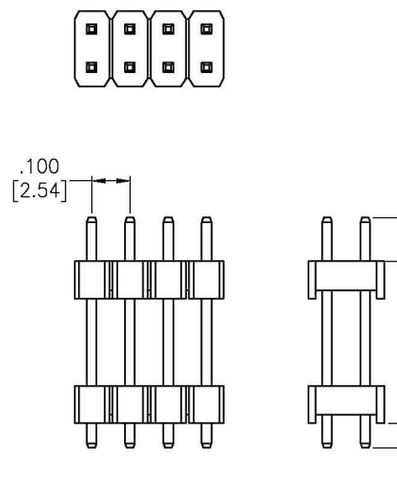
DPH-1



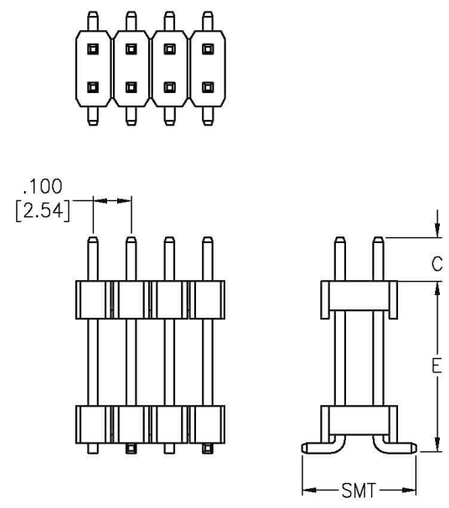
DPH-1 SMT



DPH-2



DPH-2 SMT



PART NUMBER CONFIGURATION

DPH -	2 -	20 -	SG -	.XXX"/.XXX"/.XXX -	HT
				“C” DIM. “D” DIM. “E” DIM.	
SERIES	**NO. OF ROWS**	**POSITIONS**	**PLATING**	**STACKING DIMENSIONS**	**OPTIONS**
DPH = *Dual insulator .100"centerline Pin Header*	**1** = *Single row* **2** = *Dual row* **3** = *Three row*	**01** *thru* **40** *(single row)* **04** *thru* **80** *(dual row)* **03** *thru* **120** *(triple row)*	**U** = *Gold plated* **T** = *Tin plated* **MT** = *Matte Tin plated* **SG** = *Gold plating in contact area tin plating on solder tails*	*Specified In Inches As:* *C” Dim. / “D” Dim. / “E” Dim.* *Replace “D” Dim. with “SMT” for Surface Mount Option*	*Add designator(s) to end of part number* **SMT** = *Dual Row Surface Mount leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **SMT-A** = *Surface Mount leads Type A* **SMT-B** = *Surface Mount Leads Type B* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* *(Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)* **PP** = *With Cap* **T/R** = *Tape & Reel packaging*

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
DPH-2-XX-SG-.300/.100/.200	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Through Hole	View

Shrouded Pin Header Set

.050” [1.27MM] MALE

FEATURES & SPECIFICATIONS

FEATURES:

Header set
.050” [1.27mm] pitch
Positions: 10 to 100
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 1A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating durability: 1,000 cycles

Temperature Rating:
Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

PACKAGING:
Anti-ESD plastic tubes
Tape and Reel available for SMT option

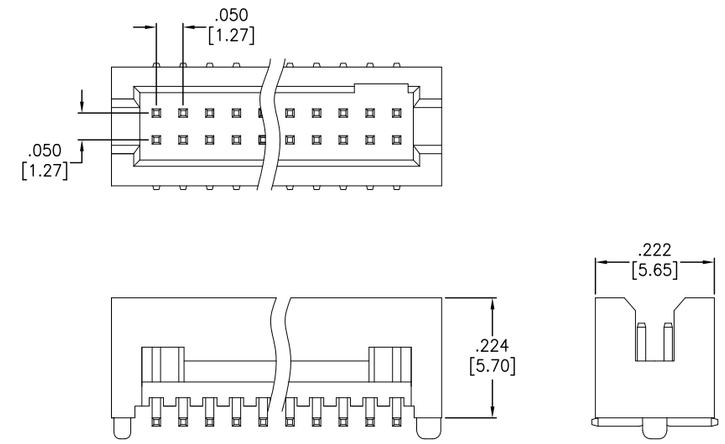
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PART NUMBER CONFIGURATION

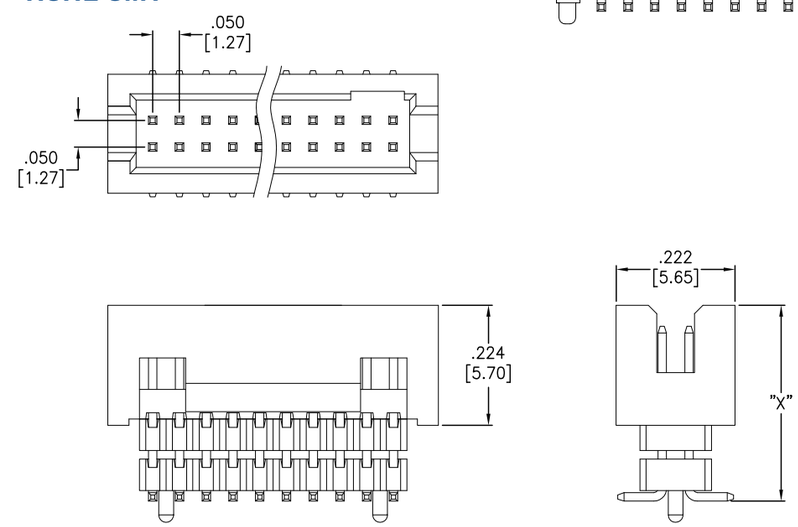
HSH -	A -	50 -	G -	NP
SERIES	**CODE**	**POSITIONS**	**PLATING**	**OPTIONS**
HSH = *.050" Shrouded Header* **HSHE** = *.050 [1.27] Pitch Shrouded Elevated Male Header*	**BLANK** **A** **B** **C** **(A1, D, E)**	**10** *thru* **100**	**G** = *Gold plated* **SG** = *Selectively gold plated* **T** = *Tin plated*	*Add designator(s) to end of part number* **SMT** = *Surface mount leads with Hi-Temp insulator* **P** = *Peg option (thru hole only)* **NP** = *No Peg* **PP** = *With Cap* **T/R** = *Tape & Reel packaging* **BL** = *Boardlock*

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
HSH-XX-G	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	View
HSH-XX-G-SMT	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	View
HSH-XX-G-SMT-PP-TR	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	View
HSH-XX-SG	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Through Hole	View
HSH-XX-SG-SMT	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	View
HSH-XX-SG-SMT-PP-TR	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	View
HSH-XX-T-SMT	0.050" [1.27mm]	Dual Row	Tin	Vertical Surface Mount	View
HSH-XX-T-SMT-PP-TR	0.050" [1.27mm]	Dual Row	Tin	Vertical Surface Mount	View

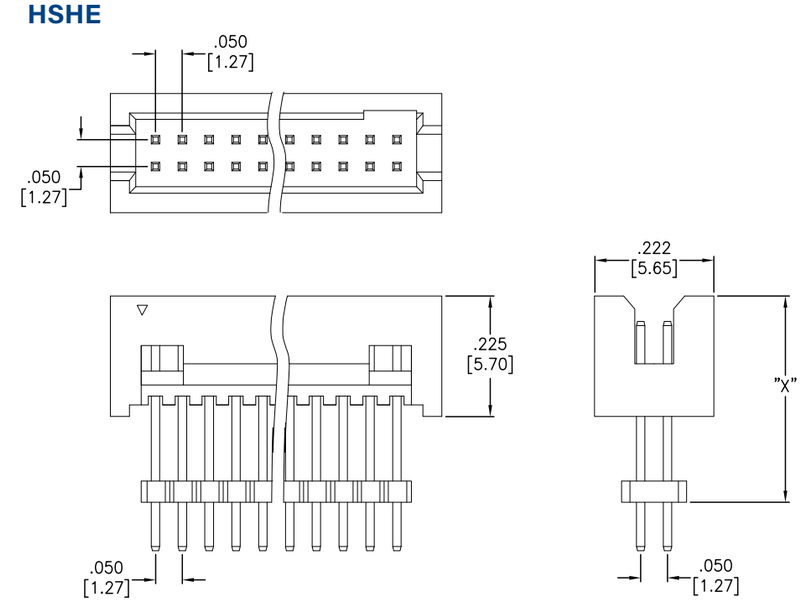
HSH SMT



HSHE SMT



HSHE



Shrouded Pin Header Set

.050” [1.27MM] FEMALE

FEATURES & SPECIFICATIONS

FEATURES:

Header set
.050” [1.27mm] pitch
Positions: 10 to 100
Solder termination
Push-pull fastening
Surface mount or through-hole mounting
Vertical or right angle
Square contacts
Various contact lengths
Insulator height options: 0.039” (1.00 mm) to 0.197” (5.00 mm)
Current rating: 1A
Voltage rating: 250 VAC
UL Recognized

SPECIFICATIONS:

Material:
Standard insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

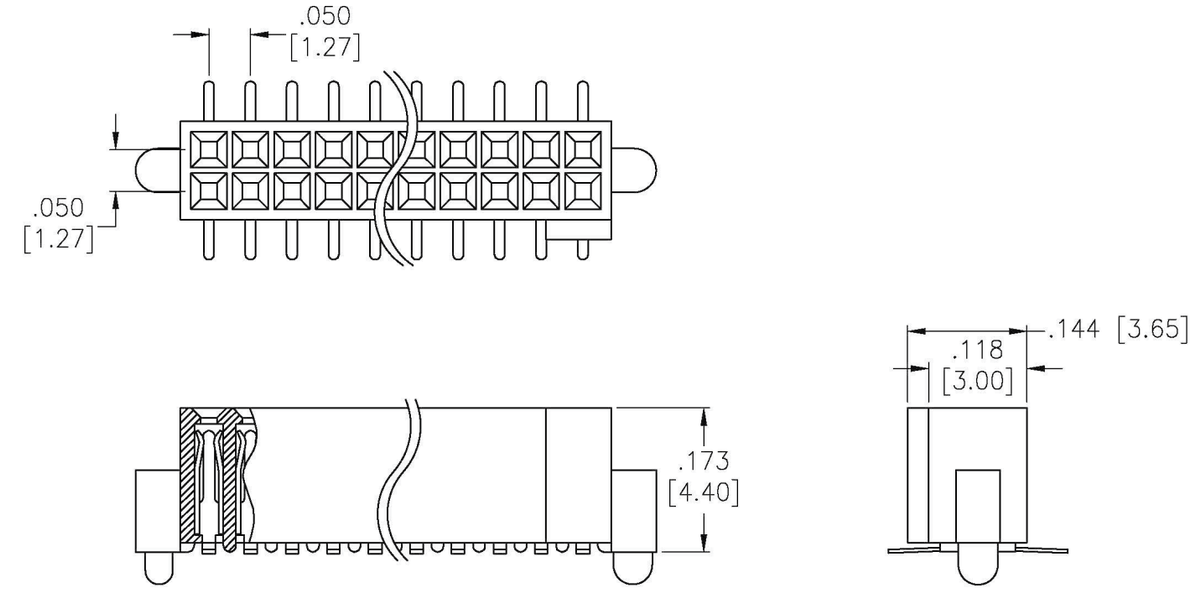
Mechanical:
Mating durability: 1,000 cycles

Temperature Rating:
Operating temperature range: -40°C to +105°C
Soldering process temperature: 260°C

PACKAGING:
Anti-ESD plastic tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

HFH



PART NUMBER CONFIGURATION

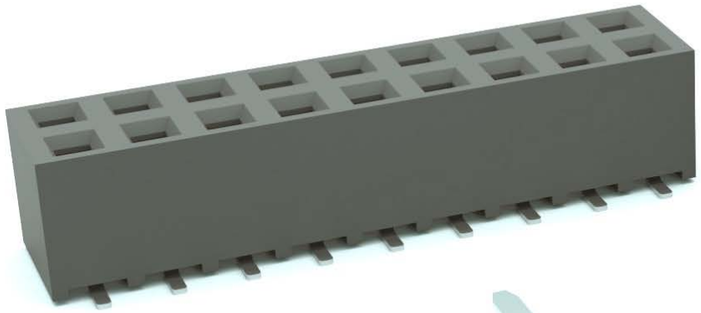
HFH -	50 -	G -	RA
SERIES	**POSITIONS**	**PLATING**	**OPTIONS**
HFH = *.050" Female header*	**10** *thru* **100**	**G** = *Gold plated* **SG** = *Selectively gold plated* **T** = *Tin plated*	*Add designator(s) to end of part number* **SMT** = *Surface mount leads with Hi-Temp insulator* **PP** = *With Cap* **NP** = *No Peg* **NK** = *No Key* **T/R** = *Tape & Reel packaging* **RA** = *Right Angle* **BL** = *Boardlock*

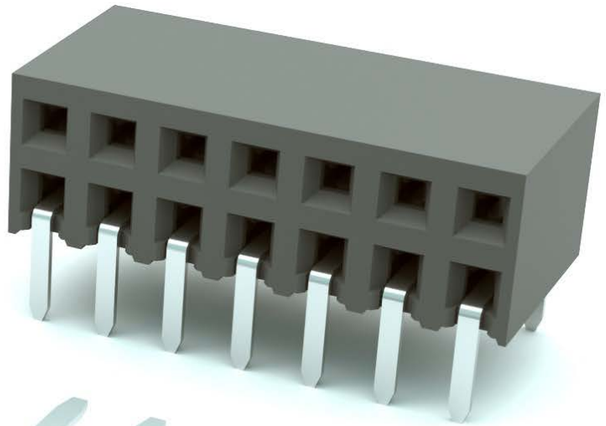
PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
HFH-XX-G	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	View
HFH-XX-G-SMT	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	View
HFH-XX-G-SMT-PP-TR	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	View
HFH-XX-SG	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Through Hole	View
HFH-XX-SG-SMT	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	View
HFH-XX-SG-SMT-PP-TR	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	View
HFH-XX-T-SMT	0.050" [1.27mm]	Dual Row	Tin	Vertical Surface Mount	View
HFH-XX-T-SMT-PP-TR	0.050" [1.27mm]	Dual Row	Tin	Vertical Surface Mount	View

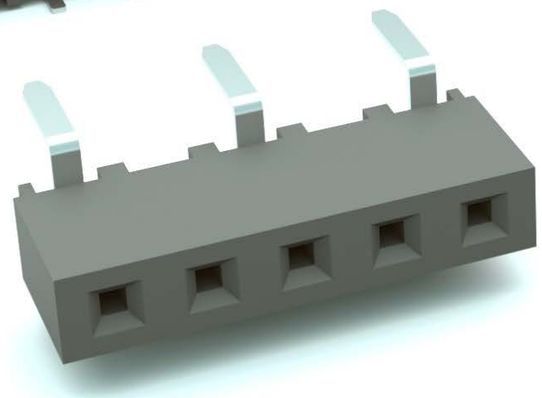
Receptacle Strips

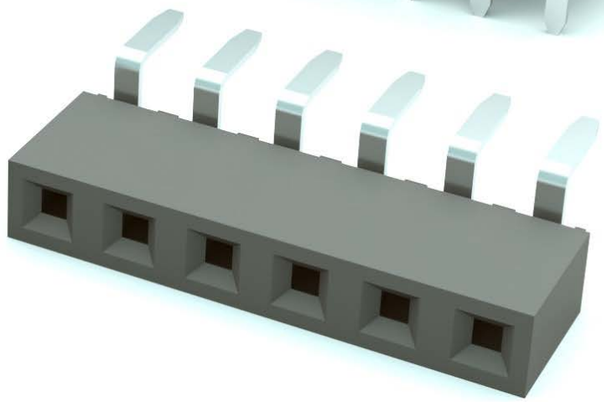
SINGLE AND DUAL ROW RECEPTACLE STRIPS

Adam Tech Receptacle Strips are a series of sockets designed to satisfy most pitch socket requirements. They are available in a variety of sizes, mounting orientations, and profiles. Each type has a specially designed contact system, which utilizes a wiping mating action and produces a high normal force connection with gold, tin, or selective gold plating. All are available with standard or hi-temp thermoplastic insulators.









FEATURES & SPECIFICATIONS

FEATURES:

Broad range of sizes and profiles
Contact systems with high normal force
Choice of contact plating
SMT pick & place option
Optional Tape & reel packaging

PACKAGING:

Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

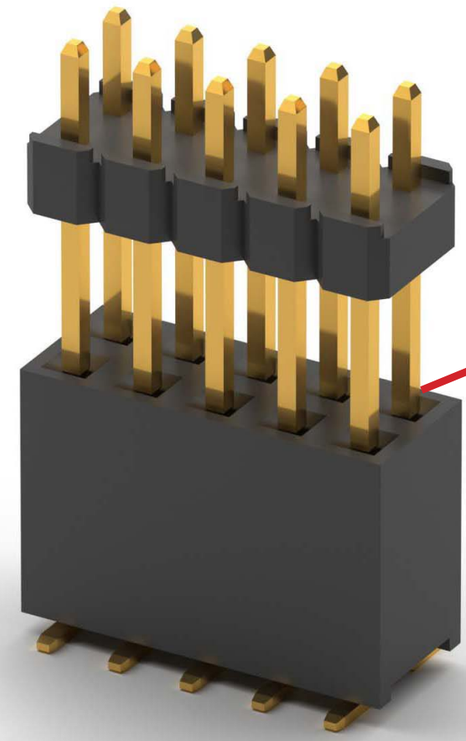
Insulator: PBT, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

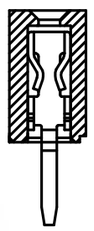
Contact Plating:

G = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Temperature Rating:

Operating temperature: -40°C to +105°C





Retention Lock Mate

FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.031” [0.8mm] pitch
Positions: 4 to 80
Broad range of sizes and profiles
Contact systems with high normal force
Choice of contact plating
SMT pick & place option
Optional Tape & reel packaging

MATING CONNECTORS:
Adam Tech SPH2 .031” [0.8mm] pitch headers and all industry standard pin headers with a .012" (0.30mm] square pin.

PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

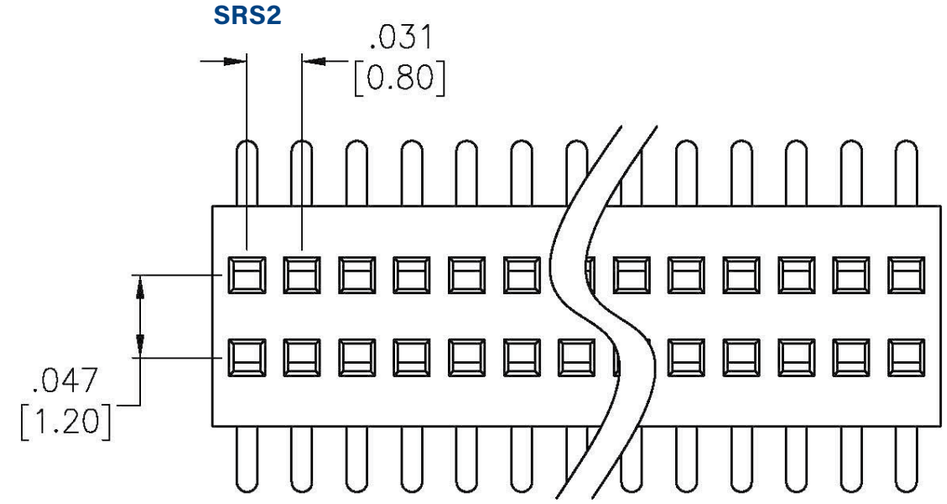
Contact Plating:
G = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

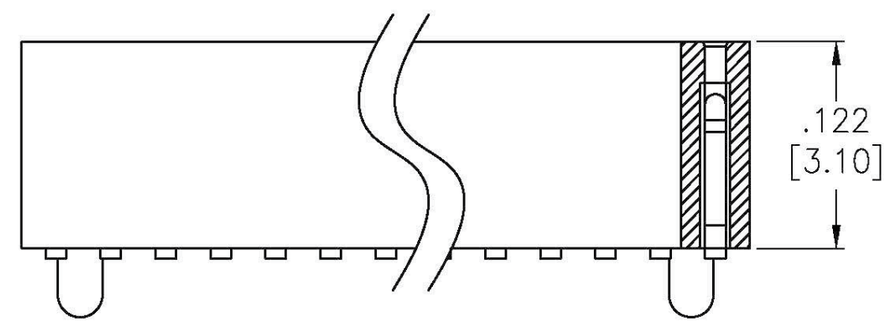
Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

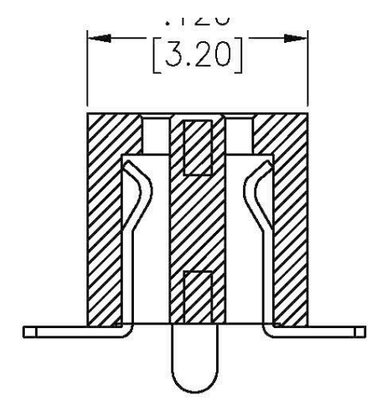
Mechanical:
Insertion force: 0.375 lbs per contact max.
Withdrawal force: 0.125 lbs per contact min.
Mating durability: 500 cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C

SRS2







PART NUMBER CONFIGURATION

SRS2 -	20 -	SG -	SMT -	PP
SERIES	**POSITIONS**	**PLATING**	**MOUNTING**	**OPTIONS**
SRS2 = *0.8mm Dual Row Female Header*	**04** *thru* **80**	**U** = *Gold plated* **SG** = *Selectively gold plated* **T** = *Tin plated*	**Blank** = *Thru-hole* **SMT** = *Surface mount*	*Add designator(s) to end of part number* **PP** = *With Cap* **T/R** = *Tape & Reel packaging* **NP** = *No Peg*

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
SRS2Y-XX-U-SMT	0.031" [0.80mm]	Dual Row	Gold	Vertical Surface Mount	View

FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.039” [1.0mm] pitch
Positions: 4 to 80
Broad range of sizes and profiles
Contact systems with high normal force
Choice of contact plating
SMT pick & place option
Optional Tape & reel packaging

MATING CONNECTORS:
Adam Tech SPH2 series .031” [0.8mm] pitch headers and all industry standard pin headers with a .012" (0.30mm] square pins.

PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

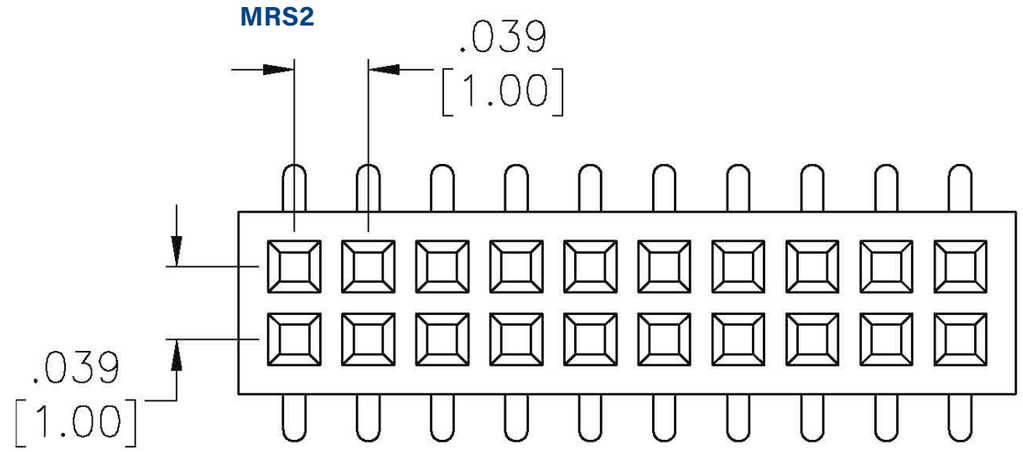
Contact Plating:
G = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

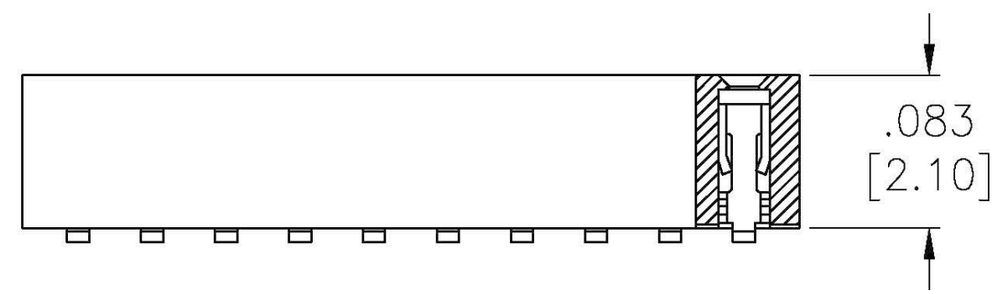
Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

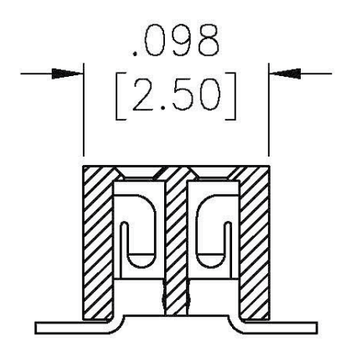
Mechanical:
Insertion force: 0.375 lbs per contact max.
Withdrawal force: 0.125 lbs per contact min.
Mating durability: 500 cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C

MRS2







PART NUMBER CONFIGURATION

MRS2-	20 -	SG -	SMT -	P
SERIES	POSITIONS	PLATING	MOUNTING	OPTIONS
MRS2 = *1.0mm Dual Row Female Header*	**04** *thru* **80**	**U** = *Gold plated* **SG** = *Selectively gold plated* **T** = *Tin plated*	**Blank** = *Thru-hole* **SMT** = *Surface mount*	*Add designator(s) to end of part number* **P** = *Peg* **PP** = *With Cap* **T/R** = *Tape & Reel packaging*

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
MRS2-XX-SG-SMT	0.039" [1.00mm]	Dual Row	Selective Gold	Vertical Surface Mount	View
MRS2-XX-U-SMT	0.039" [1.00mm]	Dual Row	Gold	Vertical Surface Mount	View

Receptacle Strips

.050” [1.27MM] SINGLE AND DUAL ROW

FEATURES & SPECIFICATIONS

FEATURES:
Single and dual row
.050” [1.27mm] pitch
Positions: 2 to 80
Broad range of sizes and profiles
Contact systems with high normal force
Choice of contact plating
SMT pick & place option
Optional Tape & reel packaging

MATING CONNECTORS:
Adam Tech HPH series headers and all industry standard .050” pitch headers with a .016" (0.40mm] square pins.

PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:
G= Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T= Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.375 lbs per contact max.
Withdrawal force: 0.125 lbs per contact min.
Mating durability: 500 cycles min.

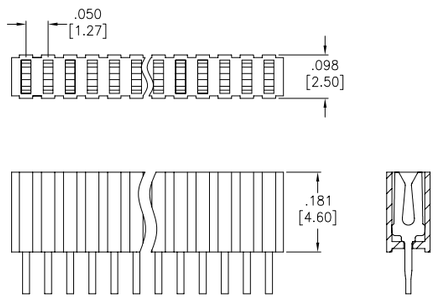
Temperature Rating:
Operating temperature: -40°C to +105°C

PART NUMBER CONFIGURATION

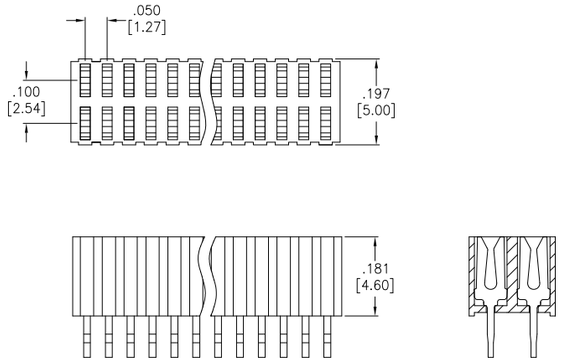
HRS -	1A -	50 -	G -	A -	P
SERIES	**NO. OF ROWS / PROFILE**	**POSITIONS**	**PLATING**	**SOLDER TAIL LENGTH**	**OPTIONS**
HRS = *.050" Receptacle Strip*	*See Below:*	**02** *thru* **40** *(single row)* **04** *thru* **80** *(dual row)*	**G** = *Gold plated* **T** = *Tin plated* **SG** = *Gold plating in contact area tin plating on solder tails*	**A** = *Standard solder tail for .062"~.125" PCB thickness* **SMT** = *Surface mount leads (2C, 2E, 2F, 2G only)* **SMT-A** = *Surface mount leads Type A (1F, 1G only)* **SMT-B** = *Surface mount leadsType B (1F, 1G only)*	*Add designator(s) to end of part number* **P** = *Guide Pegs* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)* **PP** = *With Cap* **KT** = *With Mylar* **T/R** = *Tape & Reel packaging*

1A = *Single Row, Standard Profile H=8.50, W=2.50*
1B = *Single Row, Low Profile H=4.60, W=2.50*
1BY = *Single Row, Low Profile H=4.60, W=2.50*
1BE = *Single Row, Low Profile H=2.00, W=1.80*
1BP = *Single Row, .181" Height H=4.60, W=2.60*
1C = *Single Row, .085" Height H=2.15, W=1.80*
1E = *Single Row, .134" Height, (SMT or PCB) H=3.40, W=2.20*
1F = *Single Row (SMT), .224" Height H=5.70, W=2.50*
1G = *Single Row, .077" Height, Top Entry, (SMT) H=1.95, W=1.80*
1K = *Single Row, .169" Height H=4.30, W=2.20*
1KW = *Single Row, .173" Height H=4.40, W=1.80*
1KY = *Single Row, .169" Height H=4.30, W=2.20*
1L = *Single Row, .083" Height H=2.10, W=1.80*
1LY = *Single Row, .083" Height, (SMT) H=2.10, W=2.20*
HRS1R = *Single Row, Right angle H=4.40, W=1.80*
HRS1R-SMT = *Single Row, Right angle H=4.30, W=1.80*
2A = *Dual Row, Standard, Profile .050"x.100" H=8.50, W=5.20*
2B = *Dual Row, Low Profile, .050"x.100" H=4.60, W=5.00*
2BE = *Dual Row, Low Profile, .050"x.100" H=2.00, W=3.10*
2BEY = *Dual Row, Low Profile, .050"x.100" H=2.00, W=3.00*
2C = *Dual Row, Low Profile, .050"x.050" H=2.15, W=3.05*
H=2.00, W=3.00 (Terminal : 0.32X0.12)
2E = *Dual Row, .134" Height, .050"x.050" H=3.40, W=3.05*
2F = *Dual Row, .230" Height, .050"x.100" H=5.75, W=5.00*
2FW = *Dual Row, .224" Height, .050"x.100" H=5.70, W=5.00*
2FY = *Dual Row, .224" Height, .050"x.100" H=5.70, W=5.00*
2G = *Dual Row, .085" Height, .050"x.050" H=2.15, W=3.05*
H=2.00, W=3.00 (Terminal : 0.32X0.10)
2H = *Dual Row, .173" Height, .050"x.050" H=4.40, W=3.00*
H=4.40, W=3.10
H=4.30, W=2.97
2J = *Dual Row, .083" Height, .050"x.050" H=2.10, W=3.10*
2K = *Dual Row, .169" Height, .050"x.050" H=4.30, W=3.10*
2KY = *Dual Row, .169" Height, .050"x.050" H=4.30, W=3.00*
2L = *Dual Row, .083" Height, .050"x.050 H=2.10, W=3.10*
2LY = *Dual Row, .083" Height, .050"x.050 H=2.10, W=3.00*

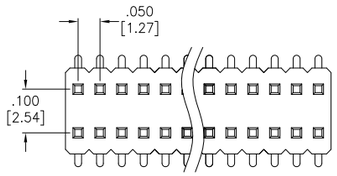
HRS-1B



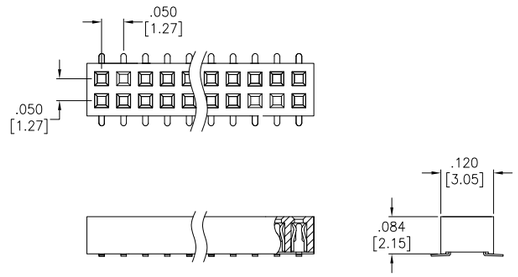
HRS-2B

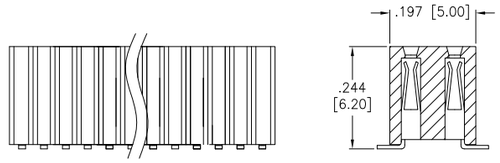


HRS-2FY

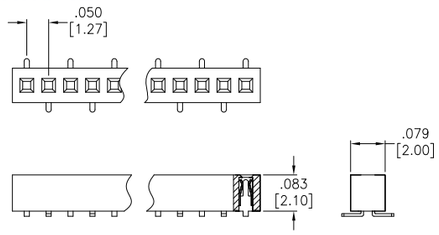


HRS-2C

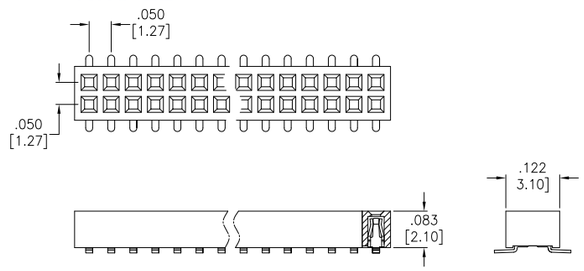




HRS-1L



HRS-2L



PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
HRS-1B-XX-GA	0.050" [1.27mm]	Single Row	Gold	Vertical Through Hole	View
HRS-2B-XX-GA	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	View
HRS-2C-XX-G-SMT-P	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	View
HRS-2C-XX-SG-SMT-P	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	View
HRS-2FY-XX-SG-SMT	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	View

FEATURES & SPECIFICATIONS

FEATURES:
Single and dual row
.079” [2.0mm] pitch
Positions: 2 to 80
Broad range of sizes and profiles
Contact systems with high normal force
Choice of contact plating
SMT pick & place option
Optional Tape & reel packaging

MATING CONNECTORS:
Adam Tech 2PH series headers and all industry standard 2.0mm pitch headers with a .020" (0.50mm] square pins.

PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

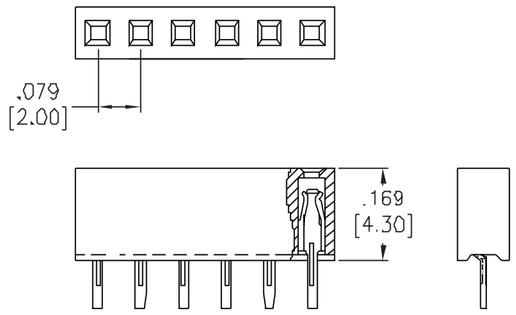
Contact Plating:
G = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

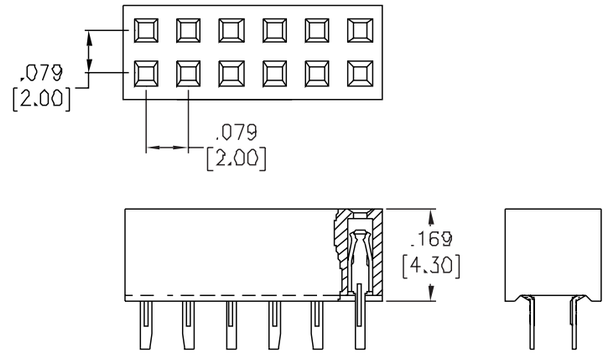
Mechanical:
Insertion force: 0.375 lbs per contact max.
Withdrawal force: 0.125 lbs per contact min.
Mating durability: 500 cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C

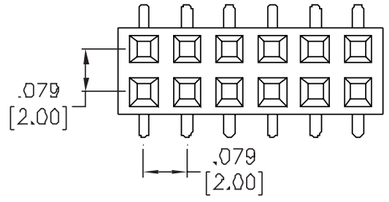
2RS1-06-G



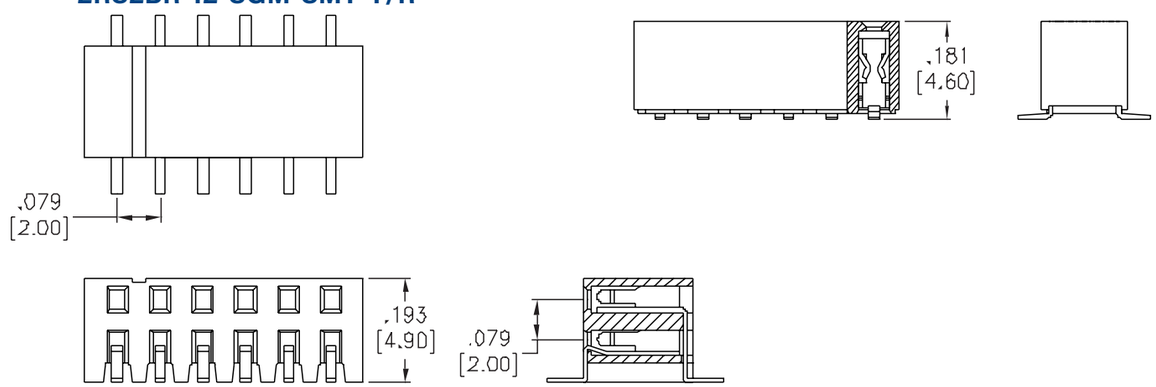
2RS2-12-G



2RS2W-12-G-SMT



2RS2BR-12-SGM-SMT-T/R



PART NUMBER CONFIGURATION

2RS1-	40 -	G -	P
SERIES	**POSITIONS**	**PLATING**	**OPTIONS**
See chart	**02** *thru* **40** *(single row)* **04** *thru* **80** *(dual row)*	**G** = *Gold plated* **T** = *Tin plated* **SG** = *Gold plating in contact area tin plating on solder tails*	*Add designator(s) to end of part number* **SMT** = *SMT leads with Hi-Temp insulator dual row* **SMT-A** = *SMT Single Row Type A with Hi-Temp insulator* **SMT-B** = *SMT Single Row Type B with Hi-Temp insulator* **P** = *Optional guide peg on SMT version* **PP** = *Pick and place pad* **KT** = *With Mylar* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)* **T/R** = *Tape & Reel packaging*

SERIES INDICATOR CHART

2RS1 = *2.00mm Single Row, Vertical Mount, Receptacle*
2RS2 = *2.00mm Dual Row, Vertical Mount, Receptacle*
2RS2W = *2.00mm Dual Row, Vertical Mount, .169”Height Dual Entry Receptacle .157”Width, Narrow Type*
2RS1R = *2.00mm Single Row, Right Angle, Receptacle*
2RS2R = *2.00mm Dual Row, Right Angle, Receptacle*
2RS4 = *2.00mm 4 Row, Vertical Mount, Receptacle*
2RS2BR = *2.00mm Dual Row, Right Angle, 3-Sided Contact Receptacle*
2RS1BRL = *2.00mm Single Row, Side Entry, .079”Height .177”Width*
2RS2BRL = *2.00mm Dual Row, Side Entry, .157”Height .201”Width*
2RS1H = *2.00mm Single Row, Vertical Mount, .248” Height Receptacle*
2RS2H = *2.00mm Dual Row, Vertical Mount, .248” Height Receptacle*
2RS2T = *2.00 mm Dual Row, Surface Mount, .110” Height, Top Entry Receptacle*
2RS2B = *2.00mm Dual Row, Surface Mount, .106” Height, Bottom Entry Receptacle*
2RS1L = *2.00mm Single Row, Vertical Mount, Receptacle .157”Height .098”Width (wcon)*
2RS2L = *2.00mm Dual Row, Vertical Mount, .157” Height Receptacle*

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
2RS1-XX-G	0.079" [2.00mm]	Single Row	Gold	Vertical Through Hole	View
2RS1-XX-SG	0.079" [2.00mm]	Single Row	Selective Gold	Vertical Through Hole	View
2RS1-XX-T	0.079" [2.00mm]	Single Row	Tin	Vertical Through Hole	View
2RS2-XX-G	0.079" [2.00mm]	Dual Row	Gold	Vertical Through Hole	View
2RS2-XX-SG	0.079" [2.00mm]	Dual Row	Selective Gold	Vertical Through Hole	View
2RS2-XX-T	0.079" [2.00mm]	Dual Row	Tin	Vertical Through Hole	View
2RS2R-XX-G	0.079" [2.00mm]	Dual Row	Gold	Right Angle Through Hole	View
2RS2R-XX-SG	0.079" [2.00mm]	Dual Row	Selective Gold	Right Angle Through Hole	View
2RS2R-XX-T	0.079" [2.00mm]	Dual Row	Tin	Right Angle Through Hole	View

FEATURES & SPECIFICATIONS

FEATURES:
Single and dual row
.079” [2.0mm] pitch
Positions: 2 to 80
Elevated
Broad range of sizes and profiles
Contact systems with high normal force
Choice of contact plating
SMT pick & place option
Optional Tape & reel packaging

MATING CONNECTORS:
Adam Tech 2PH series headers and all industry standard 2.0mm pitch headers with a .020" (0.50mm] square pins.

PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

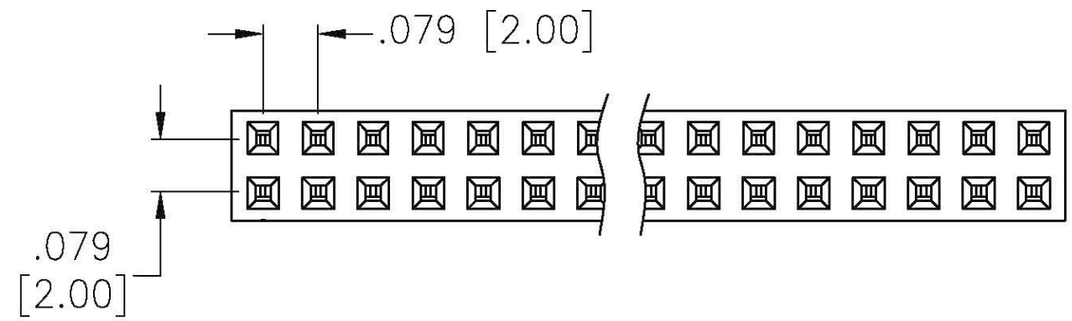
Contact Plating:
G = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

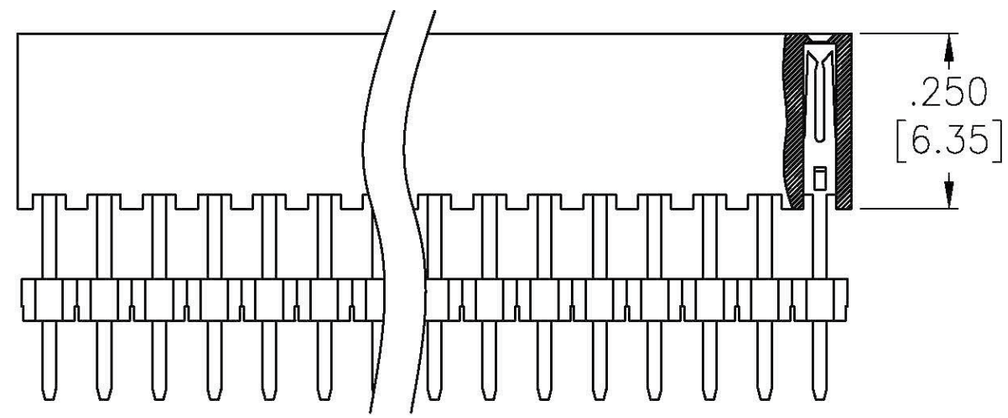
Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.375 lbs per contact max.
Withdrawal force: 0.125 lbs per contact min.
Mating durability: 500 cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C

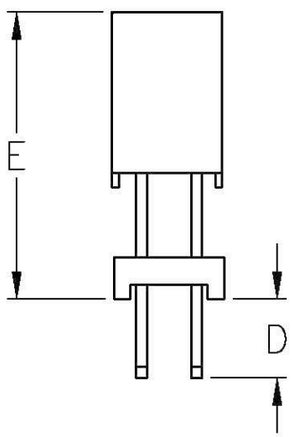
2RS32H





PART NUMBER CONFIGURATION

2RSE2H	- 1H	- 20	- SG	- .XXX"/.XXX" “D” DIM. “E” DIM.	- HT
SERIES	**NO. OF ROWS**	**POSITIONS**	**PLATING**	**STACKING DIMENSIONS**	**OPTIONS**
2RSE2H *= 2.0mm Receptacle Strip Elevated*	**1H** *= Single row* **2H** *= Duak row*	**02** *thru* **40** *(single row)* **04** *thru* **80** *(dual row)*	**G** *= Gold plated* **T** *= Tin plated* **SG** *= Gold plating in contact area tin plating on solder tails*	*Specified In Inches As: D” Dim. / “E” Dim.*	*Add designator(s) to end of part number* **HT** *= Hi-Temp insulator for Hi-Temp soldering processes up to 260°C*



PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
2RSE2H-XX-G-XXX-YYY-HT	0.079" [2.00mm]	Dual Row	Gold	Vertical Through Hole	View

Receptacle Strips

.100” [2.54MM] SINGLE AND DUAL ROW

FEATURES & SPECIFICATIONS

FEATURES:
Single and dual row
.100” [2.54mm] pitch
Positions: 1 to 80
Broad range of sizes and profiles
Contact systems with high normal force
Choice of contact plating
SMT pick & place option
Optional Tape & reel packaging

MATING CONNECTORS:
Adam Tech PH series .100" pitch pin headers and all industry standard pin headers with a .025" (0.64mm] square pin.

PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:
G = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.375 lbs per contact max.
Withdrawal force: 0.125 lbs per contact min.
Mating durability: 500 cycles min.

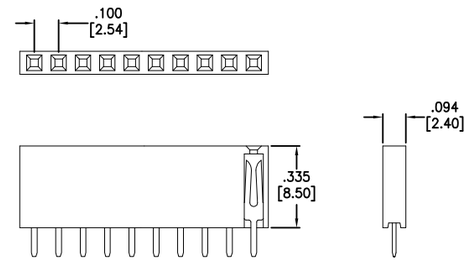
Temperature Rating:
Operating temperature: -40°C to +105°C

PART NUMBER CONFIGURATION

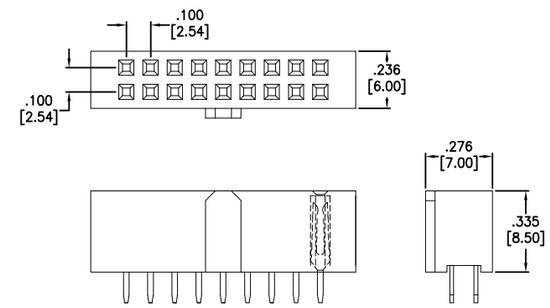
RS1 - 10 - G - P

SERIES	POSITIONS	PLATING	OPTIONS
RS1 = *Single row vertical mount receptacle .335 [8.50] Insulator height* **RS1R** = *Single row right angle mount receptacle .335 [8.50] Insulator height* **RS2** = *Dual row vertical mount receptacle .335 [8.50] Insulator height* **RS2R** = *Dual row right angle mount receptacle .335 [8.50] Insulator height* **RS2H** = *Dual row vertical mount receptacle .433 [11.00] Insulator height* **RSB** = *Dual row straight PCB mount with polarization bump and keyed corner contacts .335 [8.50] Insulator height* **RSBR** = *Dual row right angle PCB mount with polarization bump and keyed corner contacts .335 [8.50] Insulator height* **RSM1** = *Single row surface mount .280 [7.10] Insulator height* **RSM2** = *Dual row surface mount .280 [7.10] Insulator height* **RS2L** = *Dual row vertical mount receptacle .224 [5.70] Insulator height* **RS2LR** = *Dual row right angle mount receptacle .224 [5.70] Insulator height*	**02** *thru* **40** *(single row)* **04** *thru* **80** *(dual row)* **08** *thru* **120** *(four row)*	**G** = *Gold plated* **T** = *Tin plated* **SG** = *Gold plating in contact area tin plating on solder tails*	*Add designator(s) to end of part number* **SMT** = *SMT Dual row with Hi-Temp insulator* **SMT-A** = *SMT Single Row Type A with Hi-Temp insulator* **SMT-B** = *SMT Single Row Type B with Hi-Temp insulator* **P** = *Optional guide peg on SMT version* **HT** = *Hi-Temp Insulator (thru-hole products only)* **T/R** = *Tape & Reel packaging* **PB** = *Polarizing Bump* **PP** = *Pick and place cap*

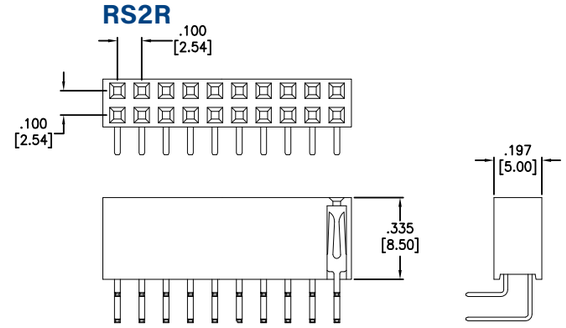
RS1



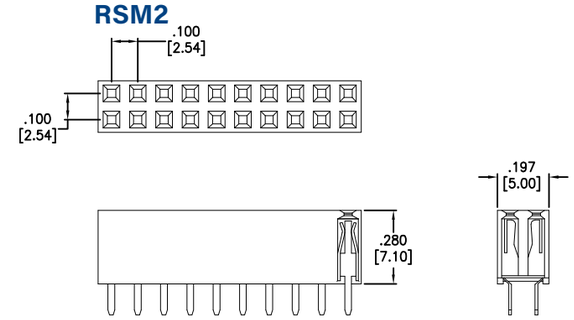
RSB



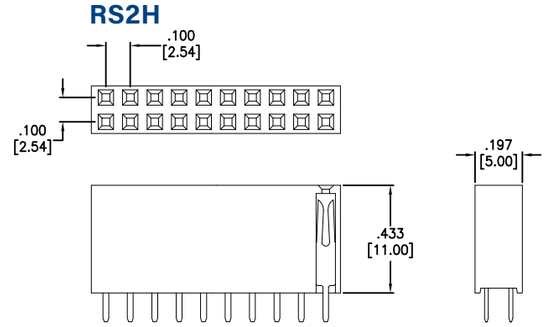
RS2R



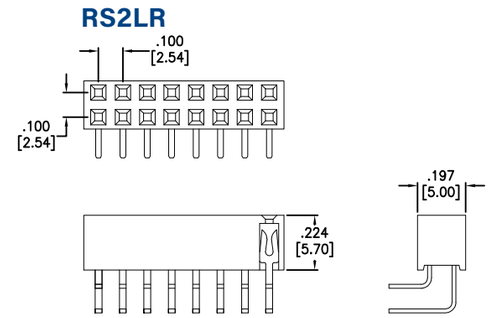
RSM2



RS2H



RS2LR



PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
RS1-XX-G	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	View
RS1-XX-SG	0.100" [2.54mm]	Single Row	Selective Gold	Vertical Through Hole	View
RS1-XX-T	0.100" [2.54mm]	Single Row	Tin	Vertical Through Hole	View
RS2-XX-G	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	View
RS2-XX-SG	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Through Hole	View
RS2-XX-T	0.100" [2.54mm]	Dual Row	Tin	Vertical Through Hole	View
RS2BE-XX-G-SMT	0.100" [2.54mm]	Dual Row	Gold	Vertical Surface Mount	View
RS2BE-XX-SG-SMT-P	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Surface Mount	View
RS2BE-XX-T-SMT-PP	0.100" [2.54mm]	Dual Row	Tin	Vertical Surface Mount	View
RS2BR-XX-G	0.100" [2.54mm]	Dual Row	Gold	Right Angle Through Hole	View
RS2BR-XX-SG	0.100" [2.54mm]	Dual Row	Selective Gold	Right Angle Through Hole	View
RS2BR-XX-T-HT	0.100" [2.54mm]	Dual Row	Tin	Right Angle Through Hole	View
RS2R-XX-SG	0.100" [2.54mm]	Dual Row	Selective Gold	Right Angle Through Hole	View

Receptacle Strips

.100” [2.54MM] SINGLE AND DUAL ROW ELEVATED

FEATURES & SPECIFICATIONS

FEATURES:
Single and dual row
.100” [2.54mm] pitch
Positions: 1 to 80
Elevated
Broad range of sizes and profiles
Contact systems with high normal force
Choice of contact plating
SMT pick & place option
Optional Tape & reel packaging

MATING CONNECTORS:
Adam Tech PH series .100" pitch pin headers and all industry standard pin headers with a .025" (0.64mm) square pin.

PACKAGING:
Anti-ESD plastic bags or tubes
Tape and Reel available for SMT option

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:
G = Gold over nickel underplate overall
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

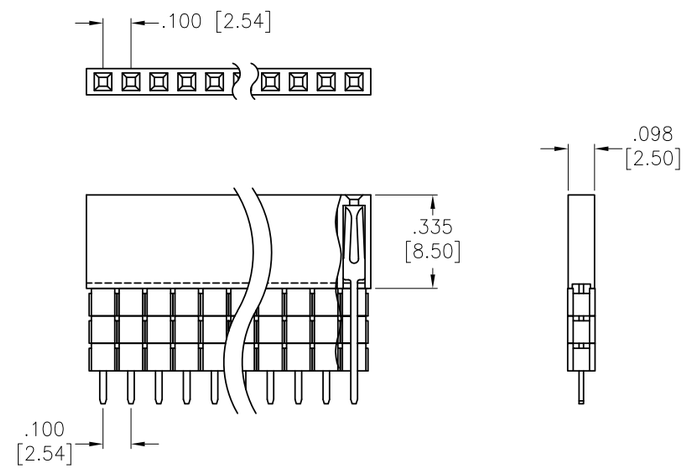
Mechanical:
Insertion force: 0.375 lbs per contact max.
Withdrawal force: 0.125 lbs per contact min.
Mating durability: 500 cycles min.

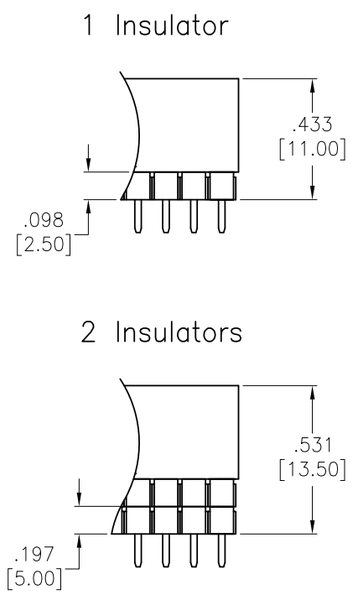
Temperature Rating:
Operating temperature: -40°C to +105°C

PART NUMBER CONFIGURATION

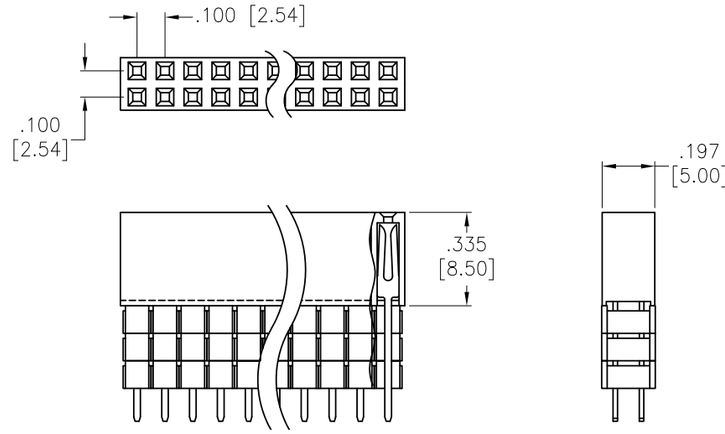
RSE1	-	1	-	20	-	G	-	X
SERIES		**HEIGHT**		**POSITIONS**		**PLATING**		**TAIL LENGTH**
RSE1 = *Single row vertical elevated socket strip* **RSE2** = *Dual row vertical elevated socket strip*		**1** = *.433 [11.0]* **2** = *.531 [13.50]* **3** = *.630 [16.0]*		**01** *thru* **40** *(single row)* **02** *thru* **80** *(dual row)*		**G** = *Gold plated* **T** = *Tin plated* **SG** = *Gold plating in contact area tin plating on solder tails*		*See Drawing*

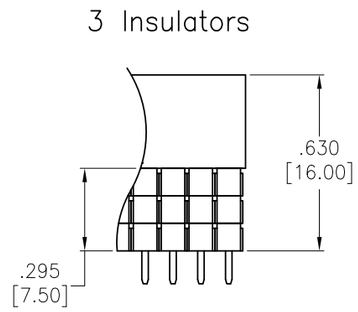
RSE1 (SINGLE ROW)





RSE2 (DUAL ROW)



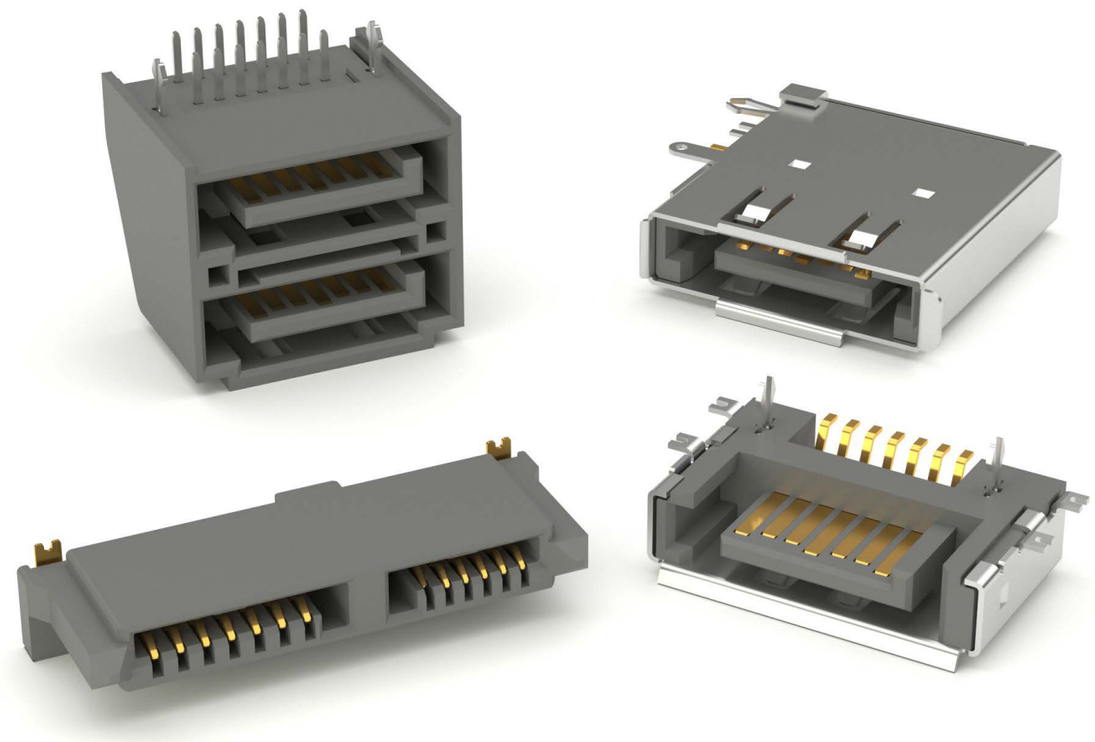


PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
RSE1-1-XX-G-X	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	View
RSE1-2-XX-G-X	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	View
RSE1-3-XX-G-X	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	View
RSE2-1-XX-G-X	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	View
RSE2-2-XX-G-X	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	View
RSE2-3-XX-G-X	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	View

SATA Connectors

SATA & ESATA

Adam Tech SATA and eSATA series Serial ATA connectors combine hot-plug capability with a combination of power and signal contacts in a blind-mate design. They are ideal for connecting disc drives to backplanes in servers or network equipment. Adam Tech SATA connectors are designed with differential-pair signaling technology and are precision manufactured to consistently perform at speeds up to 3.0 Gbits/s.



FEATURES & SPECIFICATIONS

FEATURES:
Meets SCA Interconnection Standards
40P Fiber Channel and 80P SCSI compatible
Intermatable Industry Standard Design

MATING CONNECTORS:
Adam Tech SATA & eSATA series plugs and all industry standard
SATA plugs.

PACKAGING:
Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: Hi-Temp thermoplastic, glass filled, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Plating:
Gold over nickel underplate on mating area, tin over copper underplate on tails

Electrical:
Operating Voltage: 30V AC
Current Rating: 1.5 Amps Max.
Contact Resistance: 30 mΩ Max. initial
Insulation Resistance: 1000 MΩ Min.
Dielectric Withstanding Voltage: 500V AC for 1 Minute

Mechanical:
Insertion force: 10.20 lbs max.
Withdrawal force: 2.25 lbs min.

Temperature Rating:
Operating Temperature: -55°C to +85°C
Soldering process temperature: 260°C

PART NUMBER CONFIGURATION

SATA	-	A	-	PL	-	VT	-	K
SERIES		**BODY STYLE**		**POLARIZATION**		**MOUNTING**		**OPTIONS:**
SATA = *Serial ATA Connector*		**A** *thru* **Z**		**PL** = *Left Polarization* **PR** = *Right Polarization* **PM** = *Type G* **NP** = *No Polarization*		**VT** = *Verticle Thru-hole* **RT** = *Right Angle Thru-hole* **SM** = *Straddle mount* **SMT** = *Surface mount*		*Add designator(s) to end of part number* **K** = *Key* **S** = *Side slots (type D)* **P** = *Locating Pegs*

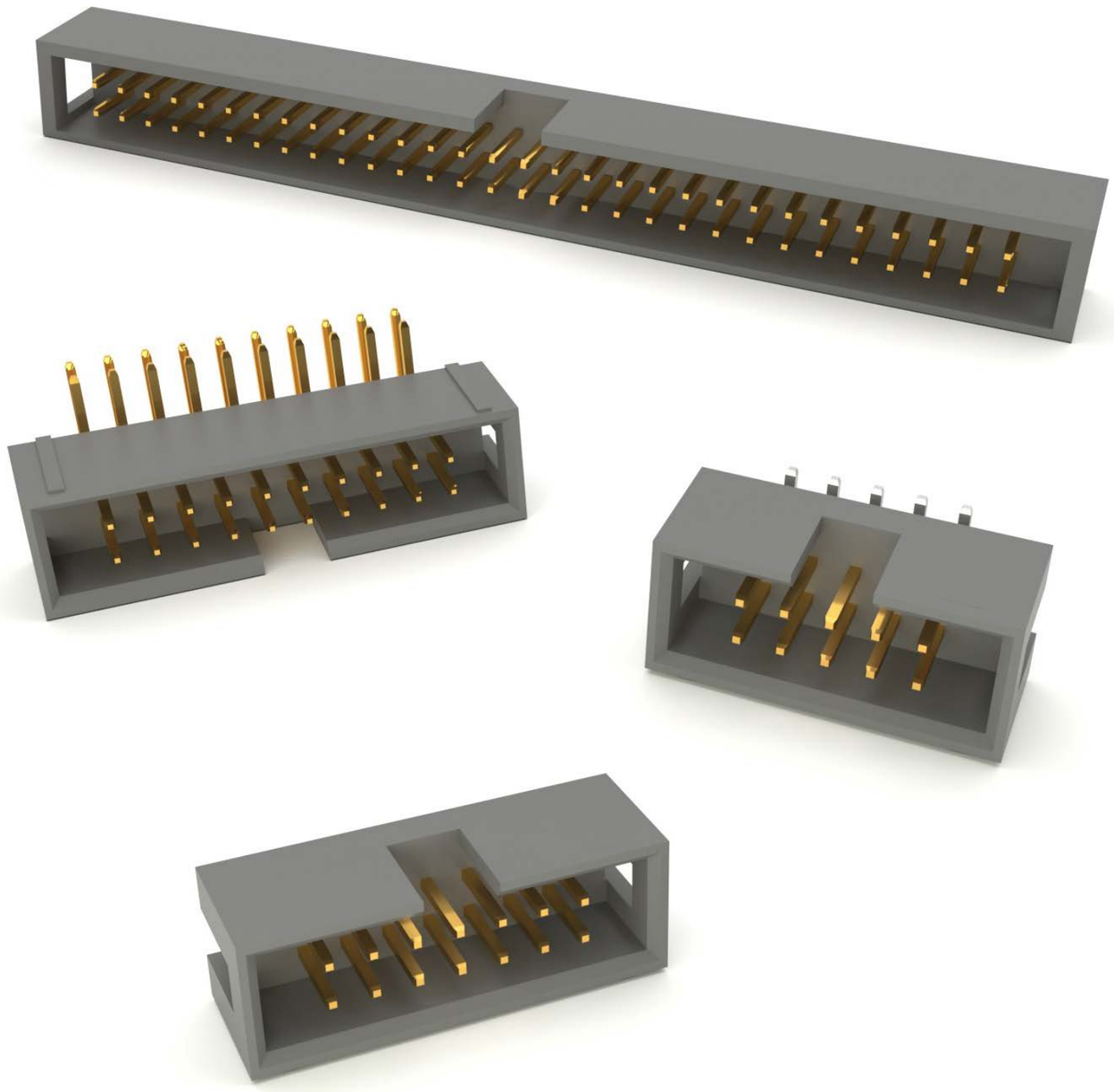
PART NUMBER	GENDER	MOUNTING ORIENTATION	STYLE	POLARIZATION	PRODUCT DATA
SATA-3A-PL-VT-K	Male	Vertical Thru Hole	Single	Left Polarization	View
SATA-A-7P-F-OM	Female	Solder Overmolding Type	Single	Left Polarization	View
SATA-A-PL-SMT-K	Male	Right Angle Surface Mount	Single	Left Polarization	View
SATA-A-PL-SMT-K-15	Male	Right Angle Surface Mount	Single	Left Polarization	View
SATA-A-PL-SMT-K-15-KT-TR	Male	Right Angle Surface Mount	Single	Left Polarization	View
SATA-A-PL-VT-K	Male	Vertical Thru Hole	Single	Left Polarization	View
SATA-A-PL-VT-K-X	Male	Vertical Thru Hole	Single	Left Polarization	View
SATA-A1-PL-RT-K	Male	Right Angle Thru Hole	Single	Left Polarization	View
SATA-A11-PM-SMT	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-A12-PM-SMT-P-30-R	Male	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-A13-PM-SMT-P-E-15	Female	Vertical Surface Mount	Dual	Middle Polarization	View
SATA-A14-PM-SMT	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-A16-PL-VT-K	Male	Vertical Thru Hole	Single	Left Polarization	View
SATA-A2-PM-VSMT-P	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-A3-PL-VT-K	Male	Vertical Thru Hole	Single	Left Polarization	View
SATA-A4-PM-VT-15	Female	Vertical Thru Hole	Dual	Middle Polarization	View
SATA-A4-PM-VT-P-01-30	Female	Vertical Thru Hole	Dual	Middle Polarization	View
SATA-A4-PM-VT-SMT	Female	Vertical Surface Mount	Dual	Middle Polarization	View
SATA-A5-PR-SMT	Male	Right Angle Surface Mount	Single	Right Polarization	View
SATA-A5-PR-SMT-PEG	Male	Right Angle Surface Mount	Single	Right Polarization	View
SATA-A6-NP-VT	Male	Vertical Thru Hole	Single	No Polarization	View
SATA-A7-NP-RT	Male	Right Angle Thru Hole	Single	No Polarization	View

PART NUMBER	GENDER	MOUNTING ORIENTATION	STYLE	POLARIZATION	PRODUCT DATA
SATA-A8-PM-SM-30	Male	Straddle Mount	Dual	Middle Polarization	View
SATA-A9-PR-RT-15	Male	Right Angle Surface Mount	Single	Right Polarization	View
SATA-A9-PR-RT-F-S-15	Male	Solder Type	Single	Right Polarization	View
SATA-B-PL-SMT-K-BL	Male	Right Angle Surface Mount	Single	Left Polarization	View
SATA-B-PR-RT	Male	Right Angle Thru Hole	Single	Right Polarization	View
SATA-C-PL-SMT-K	Male	Right Angle Surface Mount	Single	Left Polarization	View
SATA-C-PR-SMT-K-15	Male	Right Angle Surface Mount	Single	Right Polarization	View
SATA-C-PR-VT-BL-15	Male	Vertical Thru Hole	Single	Right Polarization	View
SATA-C-PR-VT-P-L1-15	Male	Vertical Thru Hole	Single	Right Polarization	View
SATA-C1-PR-SMT-K-15	Male	Right Angle Surface Mount	Single	Right Polarization	View
SATA-C2-PR-VT-SMT-K	Male	Vertical Surface Mount	Single	Right Polarization	View
SATA-CH-A-15P	Female	Crimp and poke	Single	No Polarization	View
SATA-CH-B-15P	Female	Crimp and poke	Single	No Polarization	View
SATA-CTA-SG-R	Female		Single		View
SATA-CTB-SG-R	Female		Single		View
SATA-D-PL-RT	Male	Right Angle Thru Hole	Dual	Left Polarization	View
SATA-D-PL-SMT-S-K	Male	Right Angle Surface Mount	Dual	Left Polarization	View
SATA-D-PL-SMT-S-OB-TR	Male	Right Angle Surface Mount	Dual	Left Polarization	View
SATA-D-SMT-FS-001	Male	Right Angle Surface Mount	Dual	Left Polarization	View
SATA-E-PR-SMT-K	Male	Right Angle Surface Mount	Dual	Left Polarization	View
SATA-F-PL-VT-K-P	Male	Vertical Thru Hole	Dual	Left Polarization	View
SATA-G-PM-001	Male	SMT Straddle Mount	Dual	Middle Polarization	View
SATA-G-PM-SM	Male	Straddle Mount	Dual	Middle Polarization	View
SATA-G-PM-SM-PDG	Male	SMT Straddle Mount	Dual	Middle Polarization	View
SATA-G-PM-SMT	Male	Vertical Surface Mount	Dual	Middle Polarization	View
SATA-G-PM-SMT-PDG	Male	Vertical Surface Mount	Dual	Middle Polarization	View
SATA-G-PM-VT-15	Male	Vertical Thru Hole	Dual	Middle Polarization	View
SATA-G1-PM-SMT	Female	Vertical Surface Mount	Dual	Middle Polarization	View
SATA-G2-PM-SMT-RT	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-G2-PM-SMT-RT-15	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-G2-PM-SMT-RT-5	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-G2-PM-SMT-RT-R-15	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-G3-PM-F-OM	Female	Solder Overmolding Type	Dual	Middle Polarization	View
SATA-G4-PM-SMT-RA-TR	Male	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-H-PM-RT-15	Female	Right Angle Thru Hole	Dual	Middle Polarization	View
SATA-H-PM-SMT	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-H-PM-SMT-FS-PG-R	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-J-NP-RT-P-S-PG-1	Male	Right Angle Thru Hole	Single	No Polarization	View
SATA-J-NP-RT-P-S-PG-2	Male	Right Angle Thru Hole	Single	No Polarization	View
SATA-J-NP-SMT-P-S-PG	Male	Right Angle Surface Mount	Single	No Polarization	View
SATA-J-NP-SMT-P-S-PG-15	Male	Right Angle Surface Mount	Single	No Polarization	View
SATA-J-NP-SMT-P-S-PG-15-TR	Male	Right Angle Surface Mount	Single	No Polarization	View
SATA-J-NP-SMT-P-S-PG-TR	Male	Right Angle Surface Mount	Single	No Polarization	View
SATA-M-PM-SM	Female	Straddle Mount	Dual	Middle Polarization	View

PART NUMBER	GENDER	MOUNTING ORIENTATION	STYLE	POLARIZATION	PRODUCT DATA
SATA-M-PM-VT	Female	Vertical Thru Hole	Dual	Middle Polarization	View
SATA-N-PM-VT-02	Female	Vertical Thru Hole	Dual	Middle Polarization	View
SATA-N-PM-VT-03-15	Female	Vertical Thru Hole	Dual	Middle Polarization	View
SATA-N-PM-VT-04-15	Female	Vertical Thru Hole	Dual	Middle Polarization	View
SATA-N-PM-VT-SMT-02	Female	Vertical Surface Mount	Dual	Middle Polarization	View
SATA-P-PR-1-SMT	Male	Vertical Surface Mount	Single	Right Polarization	View
SATA-P-PR-1-SMT-15-KT-TR	Male	Vertical Surface Mount	Single	Right Polarization	View
SATA-P-PR-SMT	Male	Vertical Surface Mount	Single	Right Polarization	View
SATA-P-PR-SMT-15	Male	Vertical Surface Mount	Single	Right Polarization	View
SATA-P-PR-SMT-G01	Male	Vertical Surface Mount	Single	Right Polarization	View
SATA-P-PR-SMT-G03	Male	Vertical Surface Mount	Single	Right Polarization	View
SATA-P-PR-SMT-KT-TR	Male	Vertical Surface Mount	Single	Right Polarization	View
SATA-P-PR-VT	Male	Vertical Thru Hole	Single	Right Polarization	View
SATA-Q-PM-SMT-30	Male	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-Q-PM-SMT-R	Male	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-R-PM-SMT	Female	Vertical Surface Mount	Dual	Middle Polarization	View
SATA-R-PM-SMT-PP-TR	Female	Vertical Surface Mount	Dual	Middle Polarization	View
SATA-R-PM-VT	Female	Vertical Thru Hole	Dual	Middle Polarization	View
SATA-S-PM-SMT	Male	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-S1-PM-SMT-R-PP-HF-TR	Male	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-V-PM-RT	Female	Right Angle Surface Mount	Dual	Middle Polarization	View
SATA-W-NP-RA-X	Female	Right Angle Thru Hole	Single	No Polarization	View
SATA-W-NP-RU	Female	Right Angle Upright Thru Hole	Single	No Polarization	View
SATA-W-NP-VT-SMT	Female		Single	No Polarization	View
SATA-Y-PR-SM	Male	Straddle Mount	Dual	Right Polarization	View
SATA-Z-PL-CM	Female	Solder Type	Single	Left Polarization	View
SATA-Z-PL-VT-PC-15	Female	Vertical Thru Hole	Single	Left Polarization	View

Shrouded Headers

Adam Tech Shrouded Headers are a dual row shrouded header for use with dual row IDC female socket connectors. Our low profile, space saving design has a center slot for the socket's polarization bump. Adam Tech's Box Headers are available in Straight PCB Mount, Right Angle PCB Mount and SMT Mounting. Plating options include choice of Gold, Tin or Selective Gold. SMT versions are manufactured with a Hi-Temp insulator. Additional options include latches and custom pin lengths.



FEATURES & SPECIFICATIONS

FEATURES:
Elevated for Stacking applications
Low Profile design
Straight, Right Angle & SMT mounting options
Standard or customer specified Stacking Heights & PCB tail lengths

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

Plating:
U = Gold over nickel underplate
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Temperature Rating:
Operating temperature: -40°C to +105°C

FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.050” [1.27mm] pitch
Positions: 10 to 100
Elevated for Stacking applications
Low Profile design
Straight, Right Angle & SMT mounting options
Standard or customer specified Stacking Heights & PCB tail lengths

MATING SOCKETS:
Mates with all industry standard .050” [1.27mm] pitch dual row IDC sockets.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

Plating:
U = Gold over nickel underplate
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max
Contact resistance: 20 mΩmax. initial
Insulation resistance: 5000 MΩmin.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating durability: 500 cycles min.

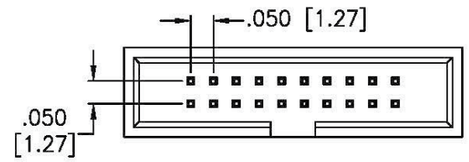
Temperature Rating:
Operating temperature: -40°C to +105°C

PART NUMBER CONFIGURATION

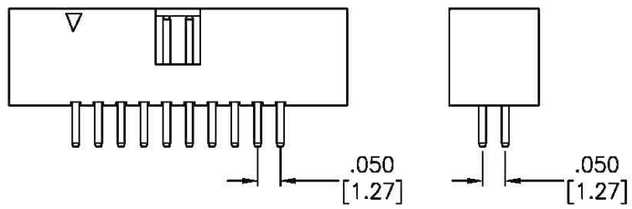
HBHR	- 20	- V	- SG	- SMT
SERIES	**POSITIONS**	**MOUNTING ANGLE**	**CONTACT PLATING**	**OPTIONS:**
HBHR-B = *Box header .050" x .050"* *H= .213 [5.40] , W= .201 [5.10]* **B2** = *H= .213 [5.40] , W= .197 [5.00]* **HBHR-A** = *Box header .050" x .100"* *H= .217 [5.50] , W= .327 [8.30]* **A1** = *H= .228 [5.80] , W= .323 [8.20]*	**10, 20, 30, 40, 50, 60, 70, 80, 90, 100**	**V** = *Straight Mount* **H** = *Right Angle Mount*	**G** = *Gold plated* **SG** = *Gold plating in contact area, Tin plated solder tails* **T** = *Tin plated*	*Add designator(s) to end of part number* **SMT** = *Surface mount leads with Hi-Temp insulator* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)* **P** = *With Peg* **PP** = *With Cap* **T/R** = *Tape & Reel packaging*

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
HBHR-A-XX-VG	.050" x .100"	08-64	Vertical, Through Hole	Gold	View
HBHR-A1-XX-VG-HT	.050" x .100"	08-64	Vertical, Through Hole	Gold	View
HBHR-B-XX-HG	.050" x .050"	08-64	Right Angle, Through Hole	Gold	View
HBHR-B-XX-VG	.050" x .050"	08-64	Vertical, Through Hole	Gold	View
HBHR-B-XX-VSG	.050" x .050"	08-64	Vertical, Through Hole	Selective Gold	View
HBHR-B-XX-VT-SMT	.050" x .050"	08-64	Vertical, Surface Mount	Tin	View
HBHR-B2-XX-VG-SMT	.050" x .050"	04-100	Vertical, Surface Mount	Gold	View

HBHR-B



HBHR-B (.050" X .050") VERTICAL THROUGH HOLE



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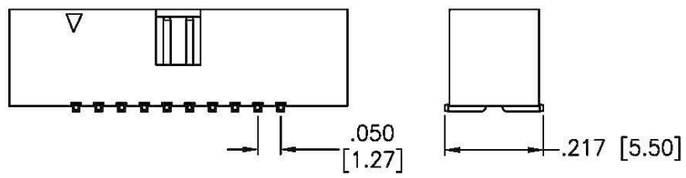
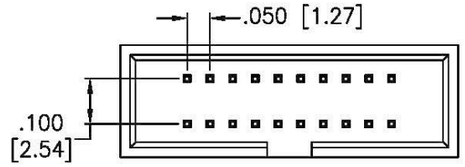
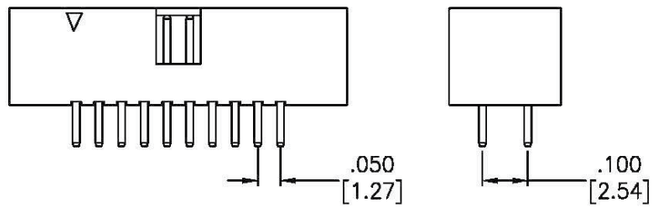


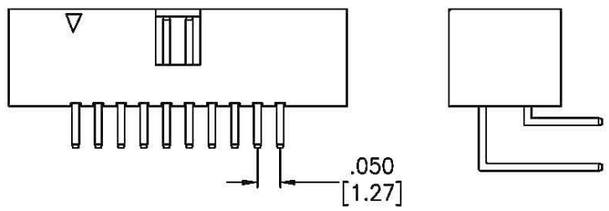
HBHR-A



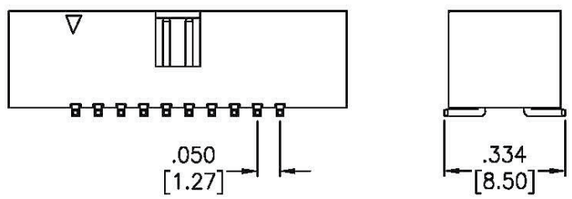
HBHR-A (.050" X .100") VERTICAL THROUGH HOLE



HBHR-A (.050" X .100") R/A THROUGH HOLE



HBHR-A (.050" X .100") VERTICAL SMT



FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.079” [2.0mm] pitch
Positions: 8 to 64
Elevated for Stacking applications
Low Profile design
Straight, Right Angle & SMT mounting options
Standard or customer specified Stacking
Heights & PCB tail lengths

MATING SOCKETS:
Mates with all industry standard .079” [2.0mm] pitch dual row IDC sockets.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

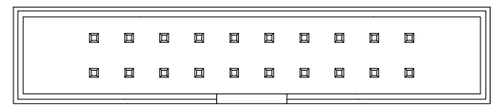
Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

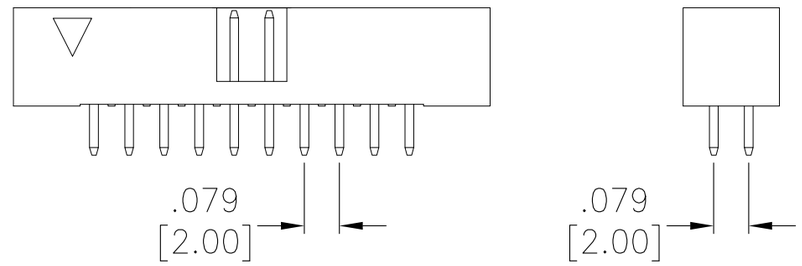
Plating:
U = Gold over nickel underplate
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max
Contact resistance: 20 mΩmax. initial
Insulation resistance: 5000 MΩmin.
Dielectric withstanding voltage: 1000V AC for 1 minute

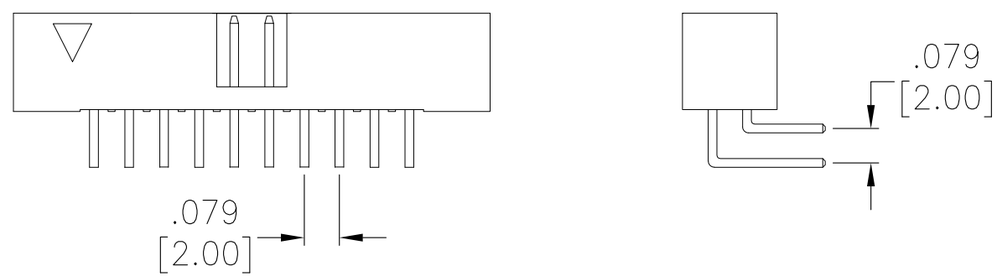
Mechanical:
Mating durability: 500 cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C

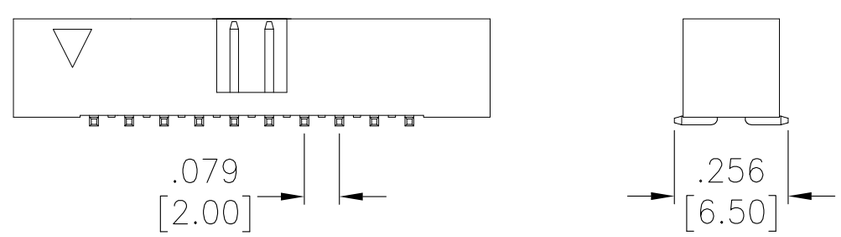




VERTICAL



RIGHT ANGLE



VERTICAL SMT

PART NUMBER CONFIGURATION

2BHR	- 20	- V	- U	- A	- SMT
SERIES	**POSITIONS**	**MOUNTING ANGLE**	**CONTACT PLATING**	**PIN LENGTHS**	**OPTIONS:**
2BHR = *2mm Box Header* **2BHR-A** = *2mm Box Header W6.50*H6.05mm* **2BHR-A (SS)** = *2mm Box Header W6.30*H6.40mm (window)* **2BHR-A1 (SS)** = *2mm Box Header W6.30*H6.40mm* **2BHR-A2 (SS)** = *2mm Box Header W6.30*H6.40mm (window center)* **2BHR-A3** = *2mm Box Header W5.50*H5.75mm*	**08, 10, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 60, 64**	**V** = *Straight Mount* **H** = *Right Angle Mount*	**U** = *Gold plated* **SG** = *Gold plating in contact area, Tin plated solder tails* **T** = *Tin plated*	**A** = *Standard length solder tail* **B** = *Special length, customer specified* **.XXX**= *Customized Solder tail length* **SMT** = *Surface Mount*	*Add designator(s) to end of part number* **15** = *15 µin gold plating in contact area* **30** = *30 µin gold plating in contact area* **GY** = *Gray color insulator* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)* **P** = *With Peg* **PP** = *With Cap* **T/R** = *Tape & Reel packaging* **SS** = *Side Slots* **BL** = *With BoardLocks*

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
2BHR-20-HSGA-USB3-X20	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-20-VUA-USB3-X20	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-34-VSG-SMT-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-34-VSG-SMT-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-34-VU-SMT-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-34-VU-SMT-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-A-XX-VSGA-SS-SMT-15-P-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-A1-XX-VSGA-SS-SMT-15-P-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-A2-XX-HSGA-SS-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-A2-XX-VSGA-SS-15	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	View
2BHR-A2-XX-VUA-SS	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-A3-XX-VSGA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-A3-XX-VUA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-A3-XX-VUA-SMT-PP	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-HSGA-HT	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HSGA-HT-10	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HSGA-HT-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HSGA-SS	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HSGA-SS-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HSGA-SS-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HSGB-094-HT	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HSGB-094-HT-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HSGMA-SS	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HSGMA-SS-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	View
2BHR-XX-HTA	.079" [2.00mm]	08-64	Right Angle, Through Hole	Tin	View
2BHR-XX-HUA	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUA-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUA-HT	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUA-HT-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUA-HT-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUA-SS	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUA-SS-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUA-SS-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUA-SS-TR	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUB-094-HT-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUB-094-HT-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-HUB-104-HT-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	View
2BHR-XX-VSG-SMT	.079" [2.00mm]	06-68	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VSG-SMT-PP-PT	.079" [2.00mm]	06-68	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VSG-SMT-PP-TR	.079" [2.00mm]	06-68	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VSGA	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	View
2BHR-XX-VSGA-15	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	View
2BHR-XX-VSGA-HT	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	View

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
2BHR-XX-VSGA-PE	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	View
2BHR-XX-VSGA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VSGA-SMT-15-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VSGA-SMT-30	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VSGA-SS-15	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	View
2BHR-XX-VSGA-SS-30	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	View
2BHR-XX-VSGA-SS-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VSGA-SS-SMT-15-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VSGA-SS-SMT-P-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VSGA-SS-SMT-P-T151	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHR-XX-VTA	.079" [2.00mm]	08-64	Vertical, Through Hole	Tin	View
2BHR-XX-VTA-PE	.079" [2.00mm]	08-64	Vertical, Through Hole	Tin	View
2BHR-XX-VTA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Tin	View
2BHR-XX-VU-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VU-SMT-30	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VU-SMT-BL	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUA	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-XX-VUA-HT	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-XX-VUA-HT-20	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-XX-VUA-HT-30	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-XX-VUA-PE	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-XX-VUA-PP-TR	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-XX-VUA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUA-SMT-20	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUA-SMT-20-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUA-SMT-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUA-SS	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-XX-VUA-SS-15	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-XX-VUA-SS-SMT-15-P-PP	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUA-SS-SMT-P	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUA-SS-SMT-P-PP	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUA-SS-SMT-P-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUA-SS-SMT-P-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHR-XX-VUB-138-HT	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHR-XX-VUB-165	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	View
2BHRE-XX-VSG-390-118	.079" [2.00mm]	06-68	Vertical, Through Hole	Selective Gold	View
2BHRE-XX-VU-335-110	.079" [2.00mm]	06-68	Vertical, Through Hole	Gold	View
2BHRE-XX-VU-605-225-20	.079" [2.00mm]	06-68	Vertical, Through Hole	Gold	View
2BHRE-XX-VU-748-130	.079" [2.00mm]	06-68	Vertical, Through Hole	Gold	View
2BHRE-XX-VU-766-085	.079" [2.00mm]	06-68	Vertical, Through Hole	Gold	View
2BHRS-XX-VSG-SMT-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	View
2BHRS-XX-VU-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View
2BHRS-XX-VU-SMT-PP	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	View

FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.100” [2.54mm] pitch
Positions: 8 to 64
Elevated for Stacking applications
Low Profile design
Straight, Right Angle & SMT mounting options
Standard or customer specified Stacking Heights & PCB tail lengths

MATING SOCKETS:
Adam Tech .100” X .100” dual row IDC sockets

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

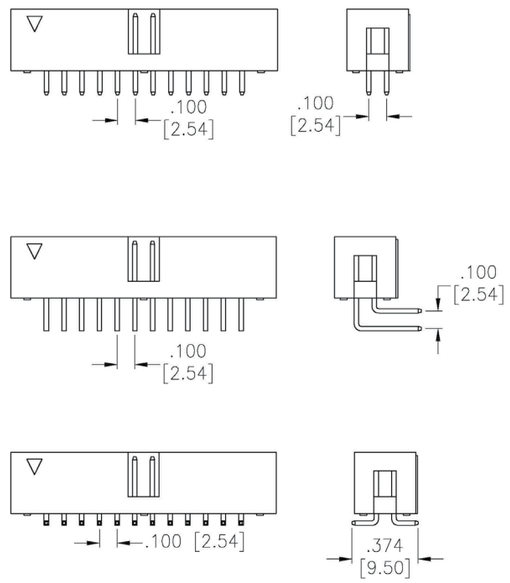
Plating:
U = Gold over nickel underplate
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max
Contact resistance: 20 mΩmax. initial
Insulation resistance: 5000 MΩmin.
Dielectric withstanding voltage: 1000V AC for 1 minute

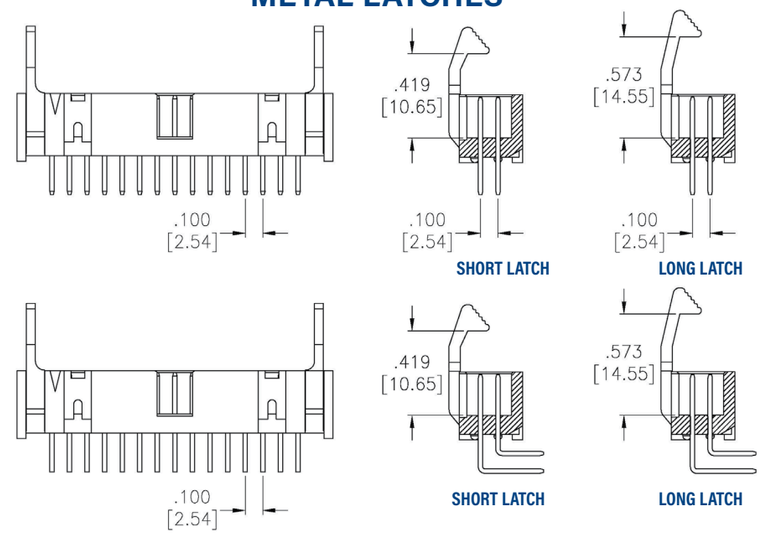
Mechanical:
Mating durability: 500 cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C

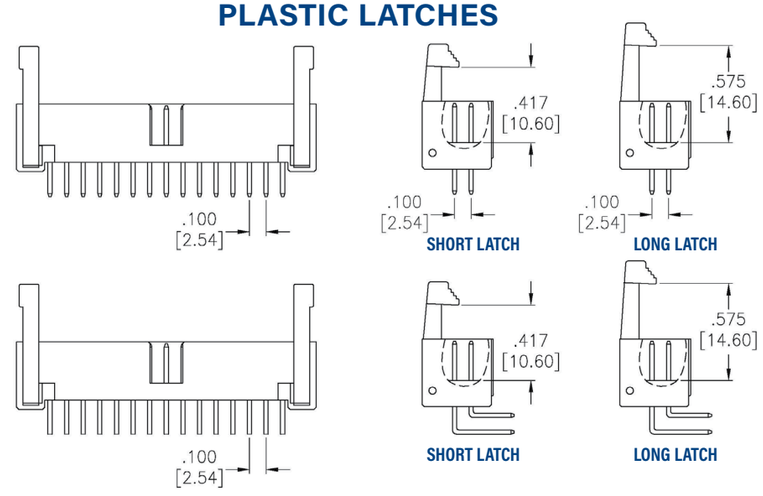
NO LATCHES



METAL LATCHES



PLASTIC LATCHES



PART NUMBER CONFIGURATION

BHR - 50 - V - U - A - LL

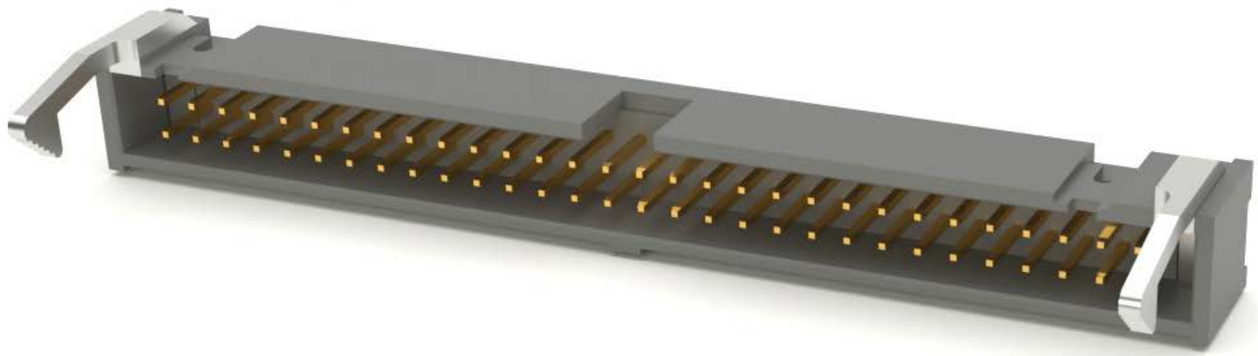
SERIES	POSITIONS	MOUNTING ANGLE	CONTACT PLATING	PIN LENGTHS	OPTIONS:
BHR = *.100" Box Header*	**08, 10, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 60, 64**	**V** = *Straight Mount* **H** = *Right Angle Mount*	**U** = *Gold plated* **SG** = *Gold plating in contact area, Tin plated solder tails* **T** = *Tin plated*	**A** = *Standard length solder tail* **B** = *Special length, customer specified* **SMT** = *Surface Mount*	*Add designator(s) to end of part number* **LL** = *Plastic long latches* **SL** = *Plastic short latches* **15** = *15 µin gold plating in contact area* **30** = *30 µin gold plating in contact area* **GY** = *Gray color insulator* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)* **P** = *Peg* **PP** = *Pick & Place Cap* **T/R** = *Tape & Reel packaging* **ML** = *Metal long latches* **MS** = *Metal short latches* **K** = *Kink pins* **BL** = *With BoardLocks*

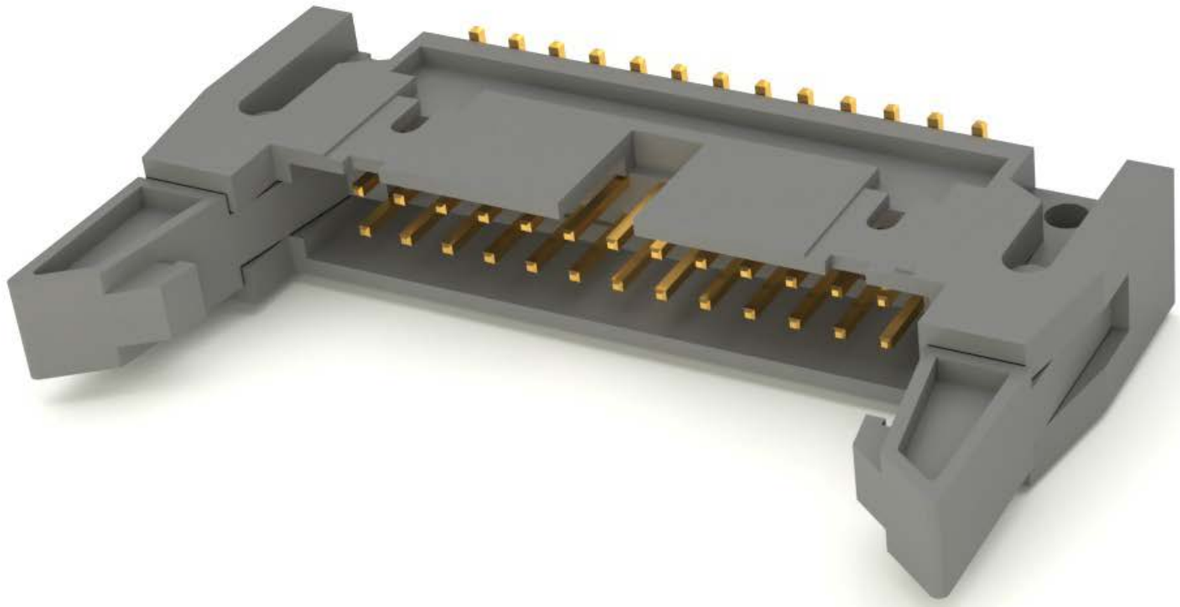
PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
BHR-XX-HSGA	.100" [2.54mm]	08-64	Right Angle, Through Hole	Selective Gold	View
BHR-XX-HTA	.100" [2.54mm]	08-64	Right Angle, Through Hole	Tin	View
BHR-XX-HUA	.100" [2.54mm]	08-64	Right Angle, Through Hole	Gold	View
BHR-XX-HUA-ML	.100" [2.54mm]	08-64	Vertical, Through Hole	Gold	View

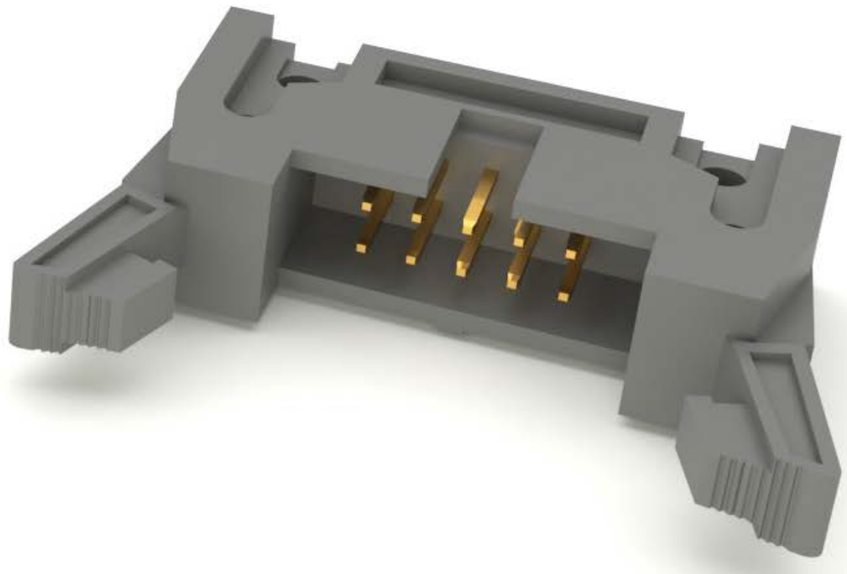
PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
BHR-XX-VSG-SMT	.100" [2.54mm]	08-64	Vertical, Surface Mount	Selective Gold	View
BHR-XX-VSGA	.100" [2.54mm]	08-64	Vertical, Through Hole	Selective Gold	View
BHR-XX-VSGA-SMT	.100" [2.54mm]	08-64	Vertical, Surface Mount	Selective Gold	View
BHR-XX-VTA	.100" [2.54mm]	08-64	Vertical, Through Hole	Tin	View
BHR-XX-VTA-SMT	.100" [2.54mm]	08-64	Vertical, Surface Mount	Tin	View
BHR-XX-VUA	.100" [2.54mm]	08-64	Vertical, Through Hole	Gold	View
BHR-XX-VUA-SMT	.100" [2.54mm]	08-64	Vertical, Surface Mount	Gold	View

Latching Headers

Adam Tech Shrouded and Latching Headers are a dual row shrouded header for use with dual row IDC female socket connectors. Our low profile, space saving design has a center slot for the socket's polarization bump. Adam Tech's Box Headers are available in Straight PCB Mount, Right Angle PCB Mount and SMT Mounting. Plating options include choice of Gold, Tin or Selective Gold. SMT versions are manufactured with a Hi-Temp insulator. Additional options include latches and custom pin lengths.







FEATURES & SPECIFICATIONS

FEATURES:

Integral Latches provide Shock and Vibration Proof connection
Slot for IDC socket Polarization bump
Straight PCB, Right Angle PCB and SMT versions
Gold, Tin or Selective Gold plating
Elevated option available
Hi-Temp insulator available

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Insulator: PBT, glass reinforeced, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

Plating:

U = Gold over nickel underplate overall
SG = Gold over nickel on contact area,
Tin over copper underplate on tails.
T = Tin over copper underplate overall

Temperature Rating:

Operating temperature: -40°C to +105°C

FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.050” [1.27mm] pitch
Positions: 10 to 100
Integral Latches provide Shock and Vibration Proof connection
Slot for IDC socket Polarization bump
Straight PCB, Right Angle PCB and SMT versions
Gold, Tin or Selective Gold plating
Elevated option available
Hi-Temp insulator available

MATING SOCKETS:
Mates with HFCS series and all industry standard .050” [1.27mm] pitch dual row IDC sockets.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel on contact area,
Tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

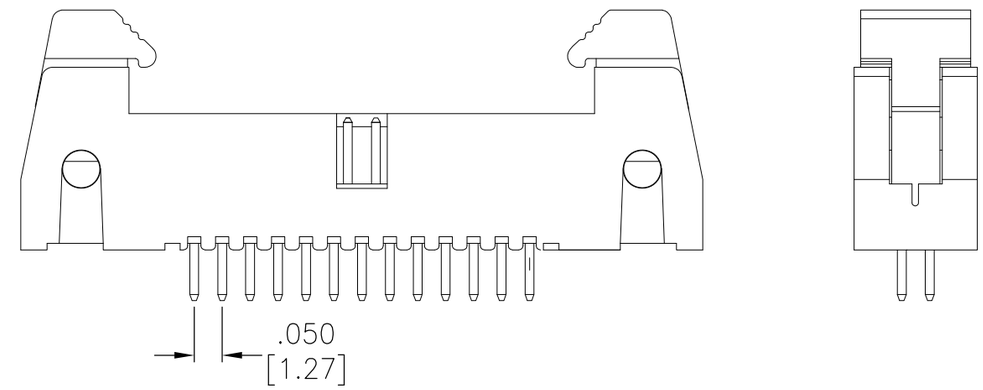
Mechanical:
Mating durability: 500 Cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C

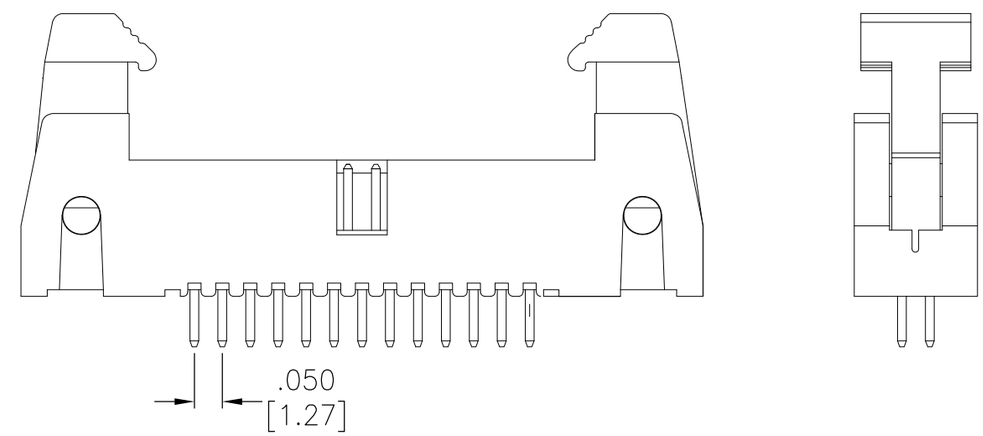
PART NUMBER CONFIGURATION

HMHR	-	26	-	V	-	U	-	A	-	L	-	SMT
SERIES		**POSITIONS**		**MOUNTING ANGLE**		**CONTACT PLATING**		**PIN LENGTHS**		**LATCHING FEATURES**		**OPTIONS:**
HMHR = *.050" x .100" 2 row / 2 row* **HMHR-A** = *.050" x .100"* **HMHR-B** = *.050" x .050" 2 row / 4 row*		**10, 16, 20, 26, 30, 32, 34, 40, 44, 50, 52, 60, 64, 68, 70, 80, 100**		**V** = *Straight Mount* **H** = *Right Angle Mount*		**U** = *Gold plated* **SG** = *Gold plating in contact area, Tin plated solder tails* **T** = *Tin plated*		**A** = *Standard length solder tail* **B** = *Special length, customer specified*		**S** = *Short latches (for sockets w/o strain relief)* **L** = *Long latches (for sockets w/ strain relief)* **N** = *No latches*		*Add designator(s) to end of part number* **SMT** = *Surface mount leads Dual row with Hi-Temp insulator* **HT** = *High-temp insulator for high-temp soldering processes* **OBL** = *With Offset Board Locks* **PP** = *With Cap* **T/R** = *Tape & Reel packaging*

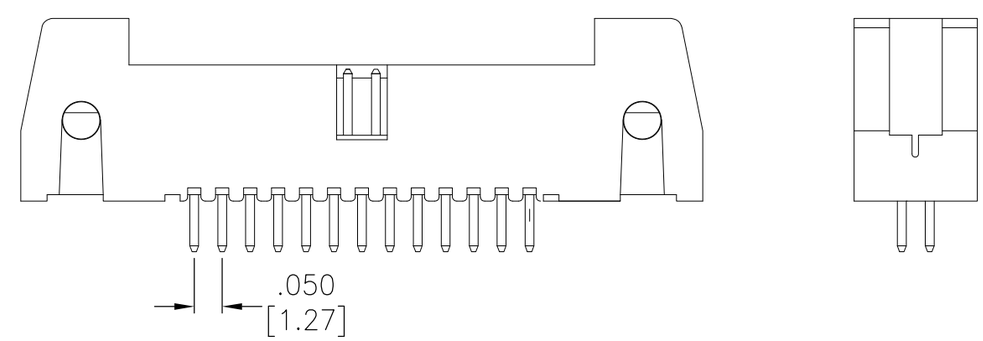
HMHR SHORT LATCHES



HMHR LONG LATCHES



HMHR NO LATCHES



PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	LATCH STYLE	PLATING	PRODUCT DATA
HMHR-A-XX-VUAS	.050” [1.27mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	View
HMHR-XX-HUAS-W	.050” [1.27mm]	10-100	Right Angle, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	View

FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.079” [2.0mm] pitch
Positions: 10 to 68
Integral Latches provide Shock and Vibration Proof connection
Slot for IDC socket Polarization bump
Straight PCB, Right Angle PCB and SMT versions
Gold, Tin or Selective Gold plating
Elevated option available
Hi-Temp insulator available

MATING SOCKETS:
Mates with 2FCS series and all industry standard .079” [2.0mm] pitch dual row IDC sockets.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel on contact area,
Tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating durability: 500 Cycles min.

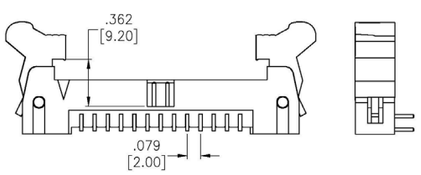
Temperature Rating:
Operating temperature: -40°C to +105°C

PART NUMBER CONFIGURATION

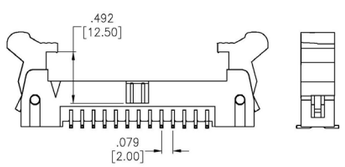
2MHR - 44 - V - U - A - L - SMT

SERIES	POSITIONS	MOUNTING ANGLE	CONTACT PLATING	PIN LENGTHS	LATCHING FEATURES	OPTIONS:
2MHR = *2mm Shrouded Header W/Latches* **2MHR-A** = *2mm Shrouded Header W/Latches W7.62*H9.40mm (wcon) S (L=12.16mm)* **2MHR-B** = *2mm Shrouded Header W/Latches W6.10*H8.10mm (wcon) S (L=17.00mm) L (L=20.85mm)*	**10, 12, 14, 16, 20, 22, 24, 26, 30, 32, 34, 40, 44, 48, 50, 60, 64, 68**	**V** = *Straight Mount* **H** = *Right Angle Mount*	**U** = *Gold plated* **SG** = *Gold plating in contact area, Tin plated solder tails* **T** = *Tin plated*	**A** = *Standard length solder tail* **B** = *Special length, customer specified*	**S** = *Short latches (for sockets w/o strain relief)* **L** = *Long latches (for sockets w/ strain relief)* **N** = *No latches*	*Add designator(s) to end of part number* **HT** = *High-temp insulator for high-temp soldering processes* **PP** = *With Cap* **SMT** = *Surface Mount Type* **P** = *With Peg* **T/R** = *Tape & Reel packaging*

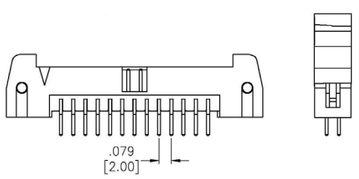
RIGHT ANGLE, THROUGH HOLE



VERTICAL, SURFACE MOUNT



VERTICAL, THROUGH HOLE



PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	LATCH STYLE	PLATING	PRODUCT DATA
2MHR-10-VSGAS-SMT-TR	.079" [2.00mm]	10	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	View
2MHR-A-XX-VSGAS-15-HT	.079" [2.00mm]	06-64	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	View
2MHR-A-XX-VSGAS-HT	.079" [2.00mm]	06-64	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	View
2MHR-A-XX-VSGAS-SMT-15	.079" [2.00mm]	06-64	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	View
2MHR-A-XX-VUAS-HT	.079" [2.00mm]	06-64	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	View
2MHR-A-XX-VUAS-SMT-PP-TR	.079" [2.00mm]	06-64	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Gold	View
2MHR-B-XX-VUAX-HT	.079" [2.00mm]	06-64	Vertical, Through Hole	Customized Latches	Gold	View
2MHR-B-XX-VUAX-SMT-PP-TR	.079" [2.00mm]	06-64	Vertical, Surface Mount	Customized Latches	Gold	View
2MHR-XX-HUA-LS-HT	.079" [2.00mm]	10-68	Right Angle, Through Hole	Standard Latches	Gold	View
2MHR-XX-HUA-S	.079" [2.00mm]	10-68	Right Angle, Through Hole	Standard Latches	Gold	View
2MHR-XX-HUAL-HT	.079" [2.00mm]	10-68	Right Angle, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	View
2MHR-XX-HUAS-HT	.079" [2.00mm]	10-68	Right Angle, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	View
2MHR-XX-VSGA-X	.079" [2.00mm]	10-68	Vertical, Through Hole	Standard Latches	Selective Gold	View
2MHR-XX-VSGAS-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	View
2MHR-XX-VSGAS-SMT	.079" [2.00mm]	10-68	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	View
2MHR-XX-VTAS-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Tin	View
2MHR-XX-VUA-LS-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Standard Latches	Gold	View
2MHR-XX-VUA-S	.079" [2.00mm]	10-68	Vertical, Through Hole	Standard Latches	Gold	View
2MHR-XX-VUA-S-SMT	.079" [2.00mm]	10-68	Vertical, Surface Mount	Standard Latches	Gold	View
2MHR-XX-VUA-S-SMT-PP	.079" [2.00mm]	10-68	Vertical, Surface Mount	Standard Latches	Gold	View
2MHR-XX-VUAL-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	View
2MHR-XX-VUAL-SMT	.079" [2.00mm]	10-68	Vertical, Surface Mount	Long Ejector Latches - For Sockets with Strain Relief	Gold	View
2MHR-XX-VUAL-SMT-P-30	.079" [2.00mm]	10-68	Vertical, Surface Mount	Long Ejector Latches - For Sockets with Strain Relief	Gold	View
2MHR-XX-VUAN-SMT-30-PP-TR	.079" [2.00mm]	10-68	Vertical, Surface Mount	No Latches	Gold	View
2MHR-XX-VUAN-SMT-PP-TR	.079" [2.00mm]	10-68	Vertical, Surface Mount	No Latches	Gold	View
2MHR-XX-VUAS	.079" [2.00mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	View
2MHR-XX-VUAS-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	View
2MHR-XX-VUAS-SMT	.079" [2.00mm]	10-68	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Gold	View

FEATURES & SPECIFICATIONS

FEATURES:
Dual row
.100” [2.54mm] pitch
Positions: 10 to 64
Integral Latches provide Shock and Vibration Proof connection
Slot for IDC socket Polarization bump
Straight PCB, Right Angle PCB and SMT versions
Gold, Tin or Selective Gold plating
Elevated option available
Hi-Temp insulator available

MATING SOCKETS:
Mates with FCS series and all industry standard .100” [2.54mm] pitch dual row IDC sockets.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforeced, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

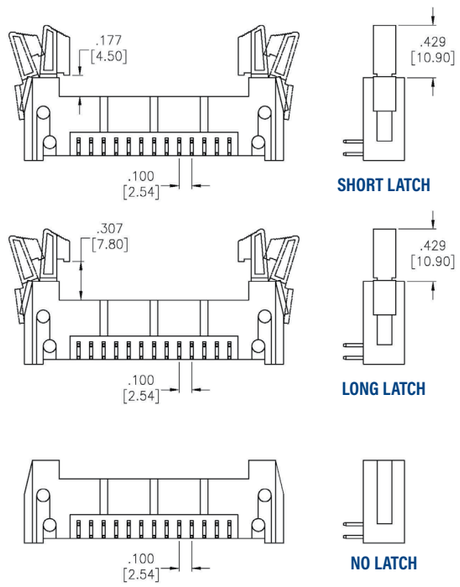
Plating:
U = Gold over nickel underplate overall
SG = Gold over nickel on contact area, Tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

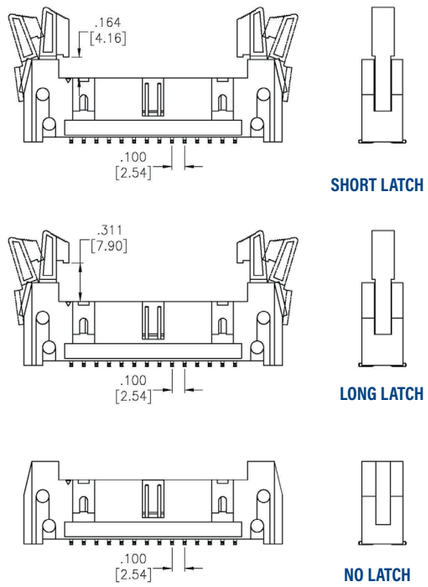
Mechanical:
Mating durability: 500 Cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C

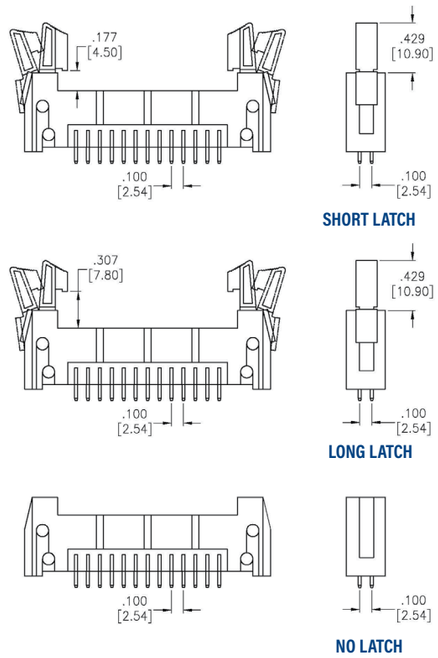
RIGHT ANGLE, THROUGH HOLE



VERTICAL, SURFACE MOUNT



VERTICAL, THROUGH HOLE



PART NUMBER CONFIGURATION

MHR- 50 - V - U - A - L - SMT

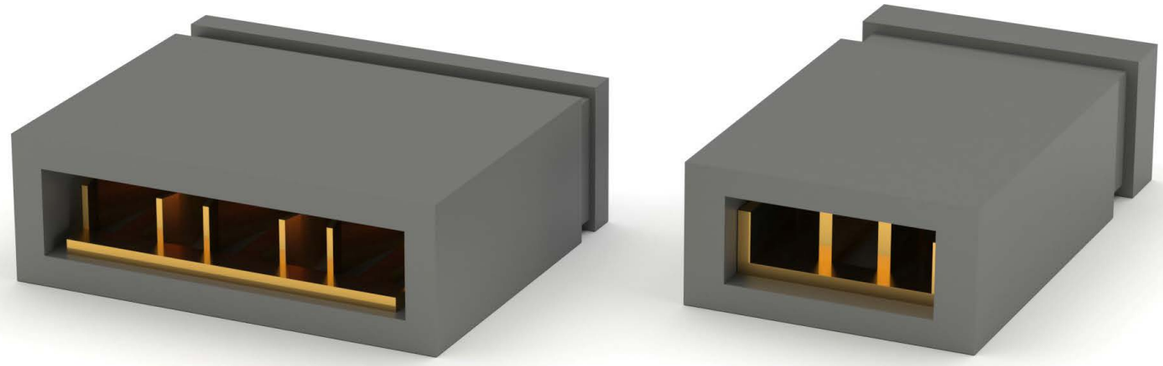
SERIES	POSITIONS	MOUNTING ANGLE	CONTACT PLATING	PIN LENGTHS	LATCHING FEATURES	OPTIONS:
MHR *= .100" Shrouded Header with Latches*	**10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64**	**V** *= Straight Mount* **H** *= Right Angle Mount*	**U** *= Gold plated* **SG** *= Gold plating in contact area, Tin plated solder tails* **T** *= Tin plated*	**A** *= Standard length solder tail* **B** *= Special length, customer specified*	**S** *= Short latches (for sockets w/o strain relief)* **L** *= Long latches (for sockets w/ strain relief)* **N** *= No latches*	*Add designator(s) to end of part number* **GY** *= Gray color insulator* **HT** *= High-temp insulator for high-temp soldering processes* **SMT** *= Surface Mount* **.XXX** *= Mating Length* **MP** *= Multiple Polarization* **PP** *= Pick & Place Cap*

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	LATCH STYLE	PLATING	PRODUCT DATA
MHR-A-XX-VUAL-MP	.100" [2.54mm]	06-64	Vertical, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	View
MHR-XX-HSGAS-Y	.100" [2.54mm]	10-64	Right Angle, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	View
MHR-XX-HUAL	.100" [2.54mm]	10-64	Right Angle, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	View
MHR-XX-HUAS	.100" [2.54mm]	10-64	Right Angle, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	View
MHR-XX-VUAL	.100" [2.54mm]	10-64	Vertical, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	View
MHR-XX-VUAL-SMT	.100" [2.54mm]	10-64	Vertical, Surface Mount	Long Ejector Latches - For Sockets with Strain Relief	Gold	View
MHR-XX-VUAS	.100" [2.54mm]	10-64	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	View
MHR-XX-VUAS-SMT	.100" [2.54mm]	10-64	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Gold	View

Shunts

.050”, 2MM, .100” & .200” CENTERLINE

Mini Shunts are available in .050”, 2.00mm, .100” and .200” centerlines. They quickly and easily jump individual pins on pin headers to perform manual programming on PCB’s. This series offers a broad range of sizes, shapes and colors. Shunts are designed with detents at top for easy fingertip installation removal. Options include integrated pull tabs and gang types which are molded in one piece. This series is extremely low cost and is a highly economical, cost effective solution for replacing PCB switches. They are available in Gold or Tin plating.



FEATURES & SPECIFICATIONS

FEATURES:

Electrically connects two or more pin header posts
Wide variety of bodies and styles to choose from
Superior insulator design provides easy Fingertip extraction
Pull Tab and Ganged options available
Choice of Gold or Tin-plated contact area
Side and end stackable

MATING OPTIONS:

Mates with all industry standard .050”, .079” and .100” centerline pin headers with a .016”, .020” or .025” square post.

PACKAGING:

Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

SPECIFICATIONS:

Material:

Insulator: PBT, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:

G = Gold over nickel underplate overall
T = Tin over copper underplate overall

Electrical:

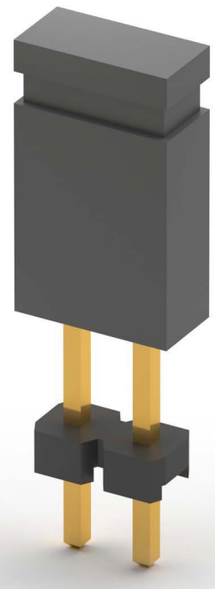
Operating voltage: 250V AC max.
Current rating: 1~3 Amps
Contact resistance: 30 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 1.57 lbs max.
Withdrawal force: .65 lbs min
Mating durability: 50 Cycles Gold
20 Cycles Tin

Temperature Rating:

Operating temperature: -40°C to +105°C



PART NUMBER CONFIGURATION

HMSA	- G	- R
SERIES/PITCH/BODY STYLE/HEIGHT	**PLATING**	**OPTIONS**
HMSA = *.050” Mini Shunt (1 x 2) Handle-top* **HMSB** = *.050” Mini Shunt (2 x 2) Handle-top* **HMSC** = *.050” Mini Shunt, .118”* **MS2A** = *.079” Mini Shunt, Open top, .177”* **MS2B** = *.079” Mini Shunt, Open top, .138”* **MS2BG** = *.079” Mini Shunt, Open top, Ganged, .169”* **MS2C** = *.079” Mini Shunt, Closed top, .252”* **MS2H** = *.079” Mini Shunt, Handle-top, .429”* **MSA** = *.100” Shunt, Closed top, .256”* **MSB** = *.100” Shunt, Open top, .236”* **MSC** = *.100” Shunt, Open top, .177”* **MSDA** = *.100” Shunt, Closed top, .315”* **MSDB** = *.100” Shunt, Open top, .315”* **MSBH** = *.100” Shunt, Handle-top, .531”* **MSE** = *.100” Shunt, Closed top, 3 position* **MST** = *.100” Shunt, 10 piece strip* **MSBG** = *.100” Ganged Shunt, block type (Specify # of positions, 2 thru 10)*	**G** = *Gold plated* **T** = *Tin plated*	*STANDARD INSULATOR COLOR IS BLACK* *Other insulator colors available* *Add designator(s) to end of part number* **R** = *Red ** **B** = *Blue ** **W** = *White ** **Y** = *Yellow ** **G** = *Green ** ** Minimum order required*

PART NUMBER	BODY STYLE/HEIGHT	PLATING	CENTERLINE	PRODUCT DATA
HMSA-G	Handle Top, .216”	Gold	.050” [1.27]	View
HMSA-T	Handle Top, .216”	Tin	.050” [1.27]	View
HMSC-G	Closed Top, .118”	Gold	.050” [1.27]	View
HMSC-T	Closed Top, .118”	Tin	.050” [1.27]	View
MS2A-X	Open Top, .177”	Tin or Gold Option	.079” [2.00]	View
MS2A-X-R	Open Top, .177”	Tin or Gold Option	.079” [2.00]	View
MS2B-G-CT		Gold	.079” [2.00]	View
MS2B-X	Open Top, .138”	Tin or Gold Option	.079” [2.00]	View
MS2BG-XX-G	Ganged, Block Type	Gold	.079” [2.00]	View
MS2BG-XX-T	Ganged, Block Type	Tin	.079” [2.00]	View
MS2C-X	Closed Top, .197”	Tin or Gold Option	.079” [2.00]	View
MS2H-1-G	Handle Top, .374”	Gold	.079” [2.00]	View
MS2H-1-T	Handle Top, .374”	Tin	.079” [2.00]	View
MS2H-1-X	Handle Top, .374”	Tin or Gold Option	.079” [2.00]	View
MS2H-2-X	Handle Top, .429”	Tin or Gold Option	.079” [2.00]	View
MSA-G	Closed Top, .256”	Gold	.100” [2.54]	View
MSA-T	Closed Top, .256”	Tin	.100” [2.54]	View
MSB-G	Open Top, .236”	Gold	.100” [2.54]	View
MSB-T	Open Top, .236”	Tin	.100” [2.54]	View
MSBG-XX-G	Ganged, Block Type	Gold	.100” [2.54]	View
MSBG-XX-G-10	Ganged, Block Type	Gold	.100” [2.54]	View
MSBG-XX-G-30	Ganged, Block Type	Gold	.100” [2.54]	View
MSBG-XX-T	Ganged, Block Type	Tin	.100” [2.54]	View
MSBH-G-10	Handle Top, .531”	Gold	.100” [2.54]	View
MSBH-G-30	Handle Top, .531”	Gold	.100” [2.54]	View

PART NUMBER	BODY STYLE/HEIGHT	PLATING	CENTERLINE	PRODUCT DATA
MSBH-G-30-R	Handle Top, .531”	Gold	.100” [2.54]	View
MSBH-G-A-30	Handle Top, .531”	Gold	.100” [2.54]	View
MSBH-G-A-30-R	Handle Top, .531”	Gold	.100” [2.54]	View
MSBH-G-H105	Handle Top, .413”	Gold	.100” [2.54]	View
MSBH-G-H105-R	Handle Top, .413”	Gold	.100” [2.54]	View
MSBH-X	Handle Top, .531”	Tin or Gold Option	.100” [2.54]	View
MSBH-X-A	Handle Top, .531”	Tin or Gold Option	.100” [2.54]	View
MSBH-X-B	Handle Top, .531”	Tin or Gold Option	.100” [2.54]	View
MSBH-X-R	Handle Top, .531”	Tin or Gold Option	.100” [2.54]	View
MSBH-X-Y	Handle Top, .531”	Tin or Gold Option	.100” [2.54]	View
MSC-G	Open Top, .177”	Gold	.100” [2.54]	View
MSC-T	Open Top, .177”	Tin	.100” [2.54]	View
MSDA-G	Closed Top, .335”	Gold	.100” [2.54]	View
MSDA-G-30	Closed Top, .335”	Gold	.100” [2.54]	View
MSDA-T	Closed Top, .335”	Tin	.100” [2.54]	View
MSDA-X-HR	Closed Top, .315”	Tin or Gold Option	.100” [2.54]	View
MSDB-G	Open Top, .315”	Gold	.100” [2.54]	View
MSDB-G-15	Open Top, .315”	Gold	.100” [2.54]	View
MSDB-T	Open Top, .315”	Tin	.100” [2.54]	View
MSE-G	Closed Top, .256”	Gold	.200” [5.08]	View
MSE-T	Closed Top, .256”	Tin	.200” [5.08]	View
MST-G	10 Piece Strip	Gold	.100” [2.54]	View
MST-G-15	10 Piece Strip	Gold	.100” [2.54]	View
MST-G-15-WT	10 Piece Strip	Gold	.100” [2.54]	View
MST-G-30	10 Piece Strip	Gold	.100” [2.54]	View
MST-T	10 Piece Strip	Tin	.100” [2.54]	View

DVI Connectors

DIGITAL VIDEO INTERFACE

Adam Tech DVI series Digital Visual Interface connectors are the standard digital interface for flat panels, video graphics cards, monitors and HDTV units. This series includes DVI-D (Digital), DVI-A (Analog) and DVI-I (Integrated Digital/Audio). Their unique crossing ground blades provide high speed performance at low cost. Available in Straight or Right Angle PCB mount receptacles, each version also features our specially designed contacts which improve signal performance and a zinc alloy shield that reduces electromagnetic interference (EMI).

FEATURES & SPECIFICATIONS

FEATURES:
Supports Analog and Digital signals
Offers excellent EMI/RFI performance
Plug and Play interface
Supports high bandwidth up to 2.5 GHz analog signal
Variety of Mating and mounting options

MATING CONNECTORS:
Adam Tech DVI connectors and all industry standard DVI connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PA66, Glass filled, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T rated UL94V-0
Insulator Color: White, (Black optional)
Contacts: Phosphor Bronze
Shell: Steel, Nickel Plated

Contact Plating:
Gold over Nickel underplate on mating area,
Tin over Copper underplate on tails

Electrical:
Operating Voltage: 250V AC
Current Rating: 1.5 Amps max.
Contact Resistance: 20 mΩ max. initial
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 500V AC for 1 minute

Mechanical:
Insertion force: 10 lb max.
Withdrawal force: 2.2 lb. min.
Durability: 100 cycles

Temperature Rating:
Operating Temperature: -20°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION

DVI	-	SL	-	24	-	2	-	JS

SERIES INDICATOR	BODY STYLE	POSITIONS	APPLICATION	OPTIONS
DVI = *Digital Video Interface Connector*	**SL** = *Socket, Right Angle PCB Tail* **ST** = *Socket, Straight PCB Tail*	**24** = *24 Position*	**1** = *Digital* **2** = *Analog*	*Add designator(s) to end of part number* **JS** = *Jackscrews Installed*

PART NUMBER	MOUNTING ORIENTATION	APPLICATION	PRODUCT DATA
DVI-SL-24-1	Right Angle Through Hole	Digital	View
DVI-SL-24-2	Right Angle Through Hole	Analog	View
DVI-ST-24-2	Vertical Through Hole	Analog	View

Miniature Ribbon Connectors

Adam Tech MR Series Miniature Ribbon connectors come in a variety of terminations including Solder Terminals, Straight PCB Tails, Right Angle PCB Mount, Flat Cable IDC and Straddle Mount Card Edge. These connectors with their high pressure, flat wiping contacts are a very popular widely used interface especially in telecommunication applications. Offered in 14, 24, 36, and 50 positions they are a good choice for high reliability positive latching connector applications.

FEATURES & SPECIFICATIONS

FEATURES:
Available in many termination styles
High pressure blade contacts
Industry standard compatibility
Durable metal shell design
Variety of Mating and mounting options

MATING CONNECTORS:
Adam Tech Miniature Ribbon connectors and all industry standard miniature ribbon connectors.

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT, Glass filled, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Blue (Black optional)
Contacts: Phosphor Bronze
Shell: Steel, nickel plated

Contact Plating:
Gold over Nickel underplate on mating area, Tin over Copper underplate on tails

Electrical:
Operating Voltage: 250V AC
Current Rating: 1 Amp max.
Contact Resistance: 35 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 12 oz max.
Withdrawal force: 4.8 oz min.

Temperature Rating:
Operating Temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER	POSITIONS	GENDER	TERMINATION TYPE	MOUNTING	PRODUCT DATA
MRXX-PA-34	14	Plug	Solder Terminals	#4-40 threaded clinch nuts in mounting holes w/o spring latches	View
MRXX-PC-34	14	Plug	Straight PCB Tail	#4-40 threaded clinch nuts in mounting holes w/o spring latches	View
MRXX-PD-34	14	Plug	Right Angle PCB Mount	#4-40 threaded clinch nuts in mounting holes w/o spring latches	View
MRXX-PE-2	14	Plug	IDC, All Plastic Shell	Notch Ears	View
MRXX-PF-2	14	Plug	IDC, Metal Shell	Notch Ears	View
MRXX-PG-2	14	Plug	Straddle Mount Tails	Notch Ears	View
MRXX-SA-34	14	Socket	Solder Terminals	#4-40 threaded clinch nuts in mounting holes w/o spring latches	View
MRXX-SC-34	14	Socket	Straight PCB Tail	#4-40 threaded clinch nuts in mounting holes w/o spring latches	View
MRXX-SE-1	14		IDC, All Plastic Shell	Spring latches with .120" diameter mounting holes (socket only)	View
MRXX-SF-1	14	Socket	IDC, Metal Shell	Spring latches with .120" diameter mounting holes (socket only)	View
MRXX-SG-3	14	Socket	Straddle Mount Tails	.120" diameter mounting holes only	View

PART NUMBER CONFIGURATION

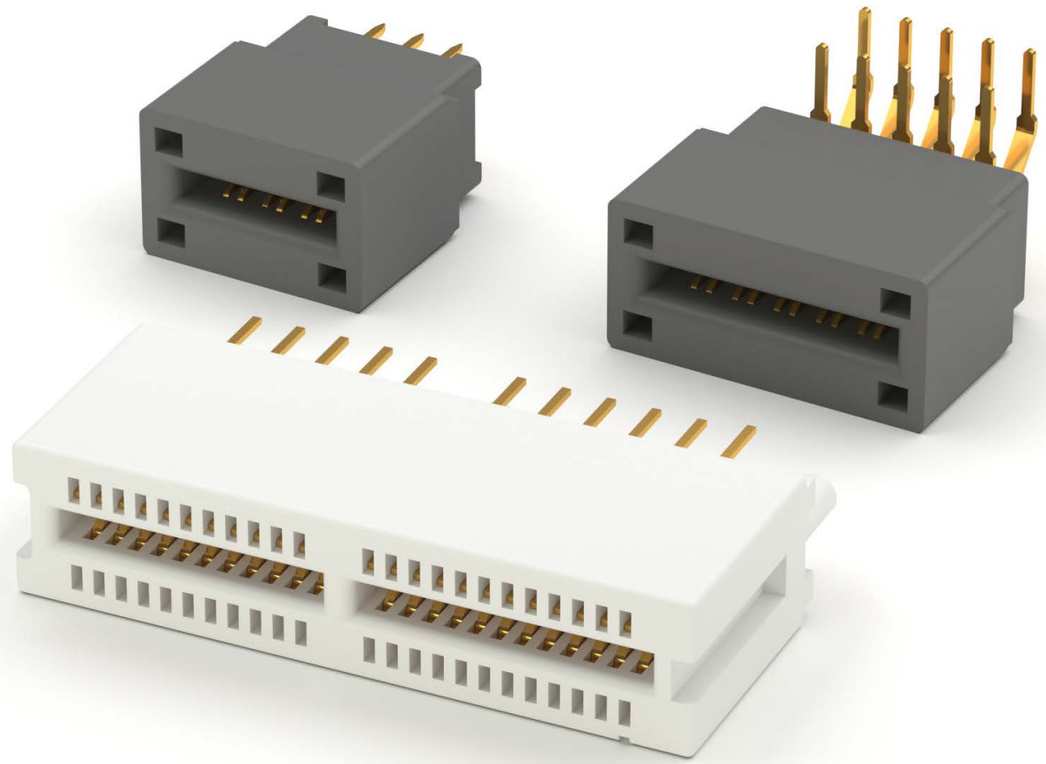
MR14	-	P	A	-	34	-	30
SHELL SIZE & POSITIONS		CONTACT TYPE	TERMINATION TYPE		MOUNTING		OPTIONS:
MR14 = *14 Contacts* **MR24** = *24 Contacts* **MR36** = *36 Contacts* **MR50** = *50 Contacts*		**P** = *Plug* **S** = *Socket*	**A** = *Solder Terminals* **C** = *Straight PCB Tail* **D** = *Right Angle PCB Mount* **E** = *IDC, All plastic shell* **F** = *IDC, Metal Shell* **G** = *Straddle Mount Tails*		**1** = *Spring latches with .120" diameter mounting holes (socket only)* **14** = *Spring latches with #4-40 clinch nuts in mounting holes (socket only)* **2** = *Notch Ears (plug only)* **3** = *.120" diameter mounting holes only* **34** = *#4-40 threaded clinch nuts in mounting holes w/o spring latches*		*Add designator(s) to end of part number* **BK** = *Black color insulator* **F** = *Forked boardlocks* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **LI** = *Spring Latches Installed*

CASE STUDY

Miniature Ribbon Connectors can be found at the back of desktop computers. They are commonly used to terminate ribbon cables, which connect a desktop computer to external devices such as hard drives and CD drives.

Card Edge Connectors

Adam Tech CE Series Card Edge Connectors are precision engineered PCB mount connectors developed to mate with the plated fingers of a printed circuit daughter board. Their bifurcated, cantilever contacts are set in a dual readout configuration and they offer a reliable connection for a wide range of PCB thicknesses. Adam Tech's sturdy solder tails with tapers allow easy insertion and rugged durability.



FEATURES & SPECIFICATIONS

FEATURES:
.100" x .200" centerlines
Selectively gold plated contacts
Wide selection of positions
Compatible with a wide range of PCB thicknesses

MATING PC BOARDS:
All printed circuit boards with a thickness of .055" to .075"

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT, 30% glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:
Gold over Nickel underplate on contact area, tin over copper underplate on tails.

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max.
Contact resistance: 30 mΩ max. initial
Insulation resistance: 3000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:
Insertion force: 10 oz max.
Withdrawal force: 3 oz min

Temperature Rating:
Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PART NUMBER	PITCH	POSITIONS	MOUNTING ORIENTATION	TYPE (FOR .050)	PRODUCT DATA
CE-XX-U	0.100	04-120	Vertical Through Hole		View
CERA-XX-U	0.100	04-120	Right Angle Through Hole		View
HMCA-A-182-G	0.050	182	Vertical Through Hole	VESA Micro-Channel	View
HMCA-A-184-G	0.050	184	Vertical Through Hole	VESA Micro-Channel	View
HMCA-A-XXX-G	0.050	112 or 120	Vertical Through Hole	VESA Micro-Channel	View

CARD EDGE PART NUMBER CONFIGURATION

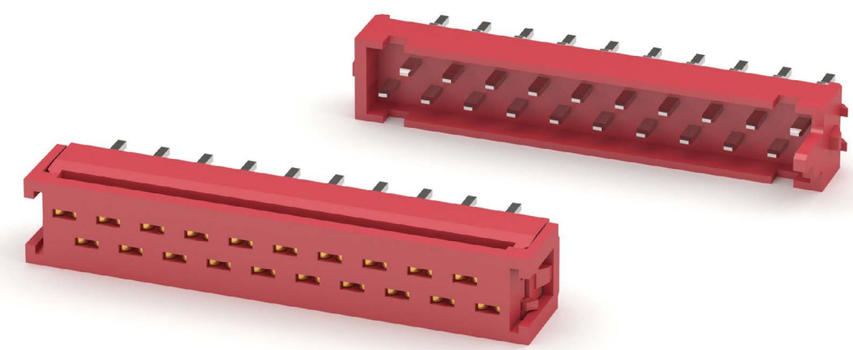
CE	-	98	-	U	-	30
SERIES		POSITIONS		CONTACT PLATING		OPTIONS:
CE = *Card Edge Connector, Vertical Mount* **CERA** = *Card Edge Connector, Right Angle Mount*		**4, 6, 8, 12, 16, 20, 24, 26, 28, 30, 32, 34, 36, 38, 40, 44, 48, 50, 60, 62, 64, 70, 72, 80, 86, 98, 100, 108, 120**		**U** = *Selectively gold plated contacts*		*Add designator(s) to end of part number* **HT** = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C* **BR** = *Board retention tails*

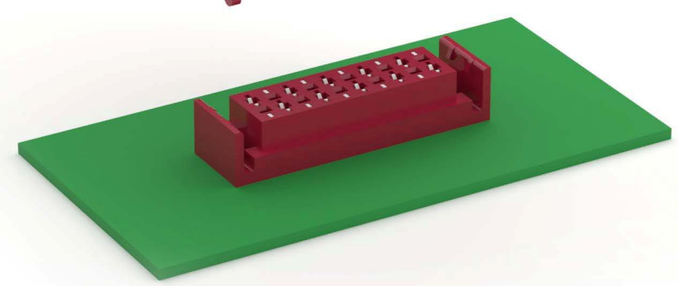
HIGH DENSITY CARD EDGE PART NUMBER CONFIGURATION

HMCA	-	A	-	112	-	G
SERIES		PEGS		POSITIONS		PLATING
HMCA = *VESA Micro-channel Card Edge connector*		**A** = *Plastic pegs* **B** = *Metal boardlocks*		**112, 120, 132, 182, 184, 194**		**G** = *Selectively gold plated contacts*

Mini Flex Connectors

Adam Tech's Mini-Flex series of connectors include cable to board, wire to board and board to board choices. This series is designed with a dual contact point mating system and an array of locating posts and PCB pegs for positive alignment and friction lock mating. Rigid, staggered solder tails provide excellent stability for rugged use and feature kinked tails for PCB retention.





FEATURES & SPECIFICATIONS

FEATURES:
Fine .050" pitch for hi-density connection
Flat heavy gauge contact blades for positive connectivity
Equipped with polarizing posts and locating pegs
Positive friction locking mating
Kinked solder tails for PCB retention

SPECIFICATIONS:

Material:
Insulator: Polyester, glass filled, rated UL94V-0
Insulator color: Red
Contacts: Phosphor bronze or brass

Plating:
Tin over Copper underplate overall

Electrical:
Operating voltage: 250V AC
Current rating: 1.2 Amps Max.
Contact resistance: 10 mΩ Max.
Insulation resistance: 1000 MΩ Min.
Dielectric withstanding voltage: 750V AC for 1 Minute

Temperature rating:
Operation temperature range: -25°C ~ +105°C

PACKAGING:
Anti ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PART NUMBER CONFIGURATION

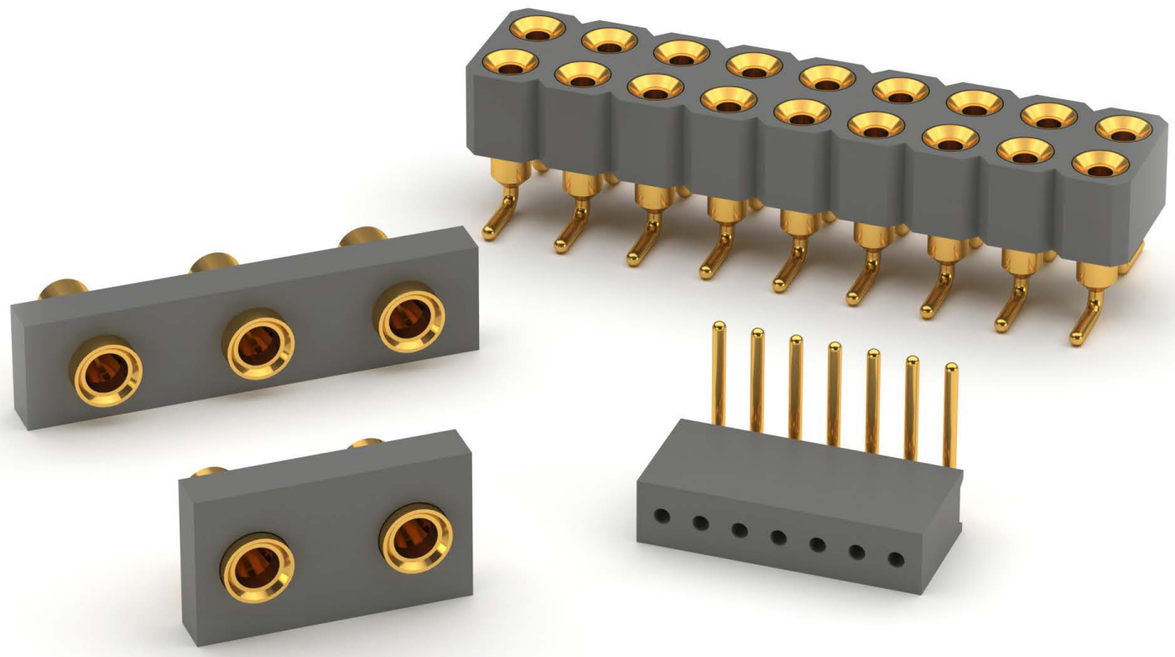
MPH	- 20	- F	- T	- T/R
SHELL SIZE & POSITIONS	**POSITIONS**	**TYPE**	**PLATING**	**OPTIONS:**
MPH = *Male* **MPH-A** = *Male* **MPH-A2** = *Male* **MPF** = *Female* **MPF-A** = *Female* **MPF-A1** = *Female* **MFC** = *Flat Cable DIP Plug* **MFC-A** = *Flat Cable DIP Plug*	**4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 26**	**F** = *Flat Cable IDC* **V** = *Straight PCB Mount* **H** = *Right Angle PCB Mount* **SMT** = *Straight Surface Mount*	**SG** = *Selective Gold plating in contact area and Tin plating on tails* **G** = *Gold Flash Plated* **T** = *Tin Plated*	*Add designator(s) to end of part number* **KT** = *Mylar Tape* **L** = *Locking Flange* **T/R** = *Tape & Reel Packaging*

PART NUMBER	TYPE	POSITIONS	MOUNTING ORIENTATION	PLATING	OPTIONS	PRODUCT DATA
MFC-A-XX-F-T	Male	4-26	Flat Cable IDC	Tin		View
MPF-A-XX-H-T	Male	4-26	Right Angle, Through Hole	Tin		View
MPF-A-XX-SMT-T	Female	4-26	Vertical, Surface Mount	Tin		View
MPF-A-XX-SMT-T-KT						View
MPF-A-XX-SMT-T-KT-T/R						View
MPF-A1-XX-H-T	Female	4-24	Right Angle, Through Hole	Tin		View
MPF-A1-XX-SMT-T	Female	4-24	Vertical, Surface Mount	Tin		View
MPF-A1-XX-V-T-L	Female	4-26	Vertical, Through Hole	Tin	Locking Flange	View
MPF-XX-V-T-L	Female	4-26	Vertical, Through Hole	Tin	Locking Flange	View
MPH-A-XX-SMT-T	Male	4-26	Vertical, Surface Mount	Tin		View
MPH-A2-XX-SMT-T	Male	4-26	Vertical, Surface Mount	Tin		View
MPH-A2-XX-V-T	Male	4-26	Vertical, Through Hole	Tin		View
MPH-XX-F-SG	Male	4-26	Flat Cable IDC	Selective Gold		View
MPH-XX-F3-T	Male	4-26	Flat Cable IDC	Tin		View
MPH-XX-V-T	Male	4-26	Vertical, Through Hole	Tin		View

Machine Headers & Receptacles

SCREW MACHINE SOCKETS

Adam Tech's line of Screw Machine Sockets feature solid precision turned sleeves with a closed bottom design to eliminate flux intrusion and solder wicking during soldering. The stamped spring copper insert provides excellent connection and allows for repeated insertion and withdrawal. These sockets are offered in single or dual row body styles. Other options include pitch, positions, and plating.



FEATURES & SPECIFICATIONS

FEATURES:
High Pressure Contacts
Precision Stamped Internal Spring Contact
Anti-Solder Wicking design
Machine Insertable
Single or Dual Row
Low Profile

MATING COMPONENTS:
Any industry standard components with SIP or DIP leads

PACKAGING:
Anti-ESD plastic tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Standard insulator: PBT, Glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:
Gold over Nickel underplate and Tin over copper underplate

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 30 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:
Insertion force: 400 grams initial max with .025 dia. leads
Withdrawal force: 90 grams initial min with .025 dia. leads

Temperature Rating:
Operating temperature: -55°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

SCREW MACHINE SOCKETS PART NUMBER CONFIGURATION

SMC	- 1	- 04	- 1	- GT
SERIES	**BODY STYLE**	**POSITIONS**	**TAIL LENGTH**	**PLATING**
1SMC = *.039 (1.00mm) Screw machine contact socket* **HSMC** = *.050 (1.27mm) Screw machine contact socket* **2SMC** = *.078 (2.00mm) Screw machine contact socket* **SMC** = *.100 (2.54mm) Screw machine contact socket*	**1** = *Single Row Straight* **1R** = *Single Row Right Angle* **2** = *Dual Row Straight* **2R** = *Dual Row Right Angle*	*Single Row:* **01** *thru* **40** *Dual Row:* **02** *thru* **80**	**1** = *Standard length*	**GT** = *Gold plated inner contact, tin plated outer sleeve* **TT** = *Tin plated inner contact, tin plated outer sleeve*

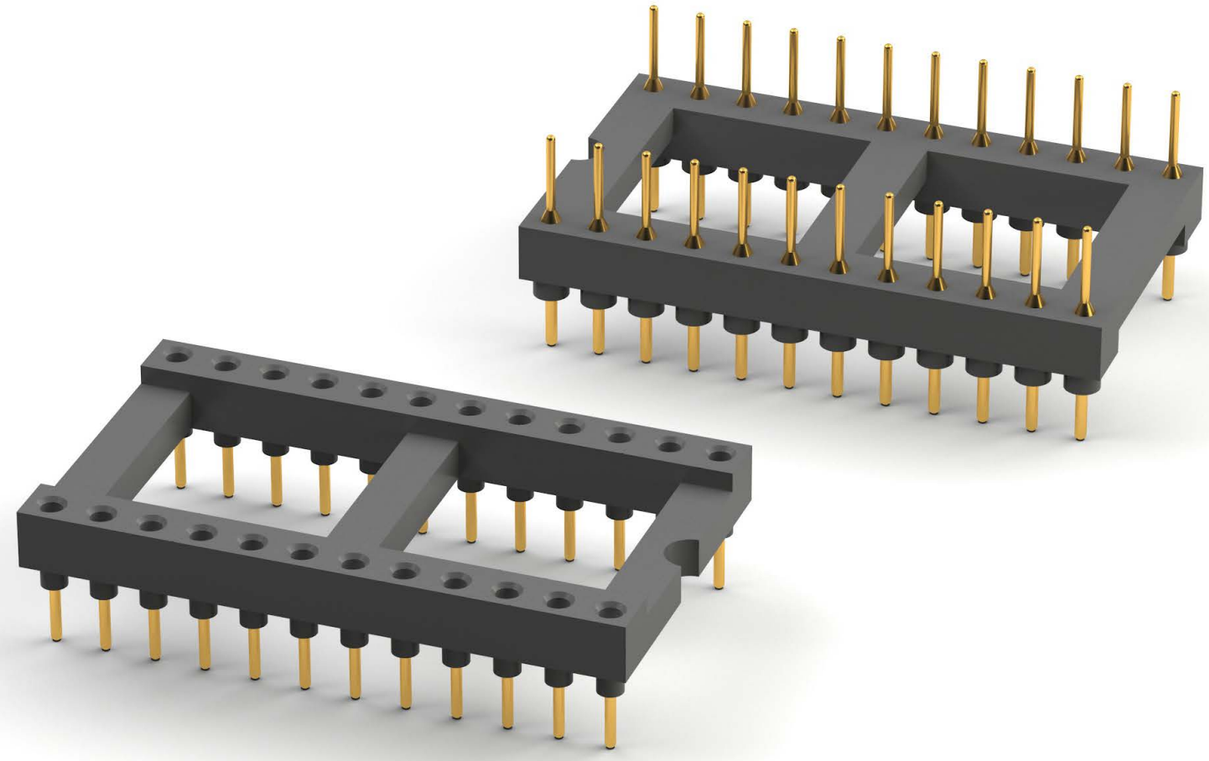
OPTIONS:
Add designator(s) to end of part number
SMT = *Surface mount leads Dual Row*
SMT-A = *Surface mount leads Type A*
SMT-B = *Surface mount leads Type B*
HT = *Hi-Temp insulator for Hi-Temp soldering processes up to 260°C*

PART NUMBER	CENTERLINE	BODY STYLE	POSITIONS	PLATING	PRODUCT DATA
1SMC-1-XX-1-GT	.039" [1.00mm]	Single Row, Straight	01-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	
2SMC-1-XX-1-GT	.079" [2.00mm]	Single Row, Straight	01-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	View
5SMC1-03-G	.200" [5.08mm]	Single Row, Straight	01-80	Gold Overall	View
5SMC2-02-G	.200" [5.08mm]	Single Row, Straight	01-80	Gold Overall	View
HSMC-1-XX-1-GT	.050" [1.27mm]	Single Row, Straight	01-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	View
ICM-3XX-1-GT-HT	.100" [2.54mm]	Dual Row, Straight	06-28	Gold Plated Inner Contact, Tin Plated Outer Sleeve	View
ICM-6XX-1-GT-HT	.100" [2.54mm]	Dual Row, Straight	06-28	Gold Plated Inner Contact, Tin Plated Outer Sleeve	View
SMC-1-XX-1-GT	.100" [2.54mm]	Single Row, Straight	01-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	View
SMC-2-XX-1-GT	.100" [2.54mm]	Dual Row, Straight	02-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	View

Machine Headers & Receptacles

SCREW MACHINE IC SOCKETS AND DIP TERMINALS

Adam Tech boasts a diverse line of Screw Machine IC Sockets and DIP Terminals. This product line provides durable protection to IC chips and allows for their convenient insertion and removal. These parts are available in a variety of options, including row spacing, positions, tail length, and plating.



FEATURES & SPECIFICATIONS

FEATURES:

Row spacing options ranging from .300" to .900"
Positions ranging from 6 to 52
Standard DIP length tails
Gold plated inner contacts
Tin plated outer sleeves
Durable IC chip protection
Convenient insertion and removal

SPECIFICATIONS:

Material:
Insulator: PBT, rated UL 94V-0
Insulator color: Black
Contacts: Brass or copper alloy
Clip: Beryllium copper

Contact Plating:
Inner contact: Gold over nickel underplate
Outer sleeve: Tin over nickel/copper underplate

Electrical:
Current rating: 3 Amps max
Voltage rating range: 60 to 150V DC
Current resistance: 4 mohms per contact
Insulation resistance range: 1000 to 10000 Mohms

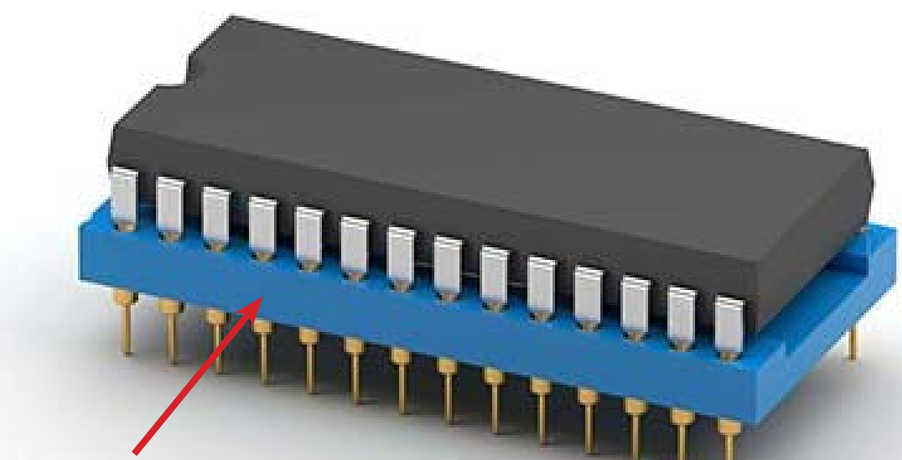
Temperature Rating:
Operating temperature range: -55°C to +125°C

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

OPEN FRAME SCREW MACHINE SOCKETS & TERMINALS PART NUMBER CONFIGURATION

ICM	- 6	- 28	- 1	- GT
SERIES	**ROW SPACING**	**POSITIONS**	**TAIL LENGTH**	**PLATING**
ICM = *Screw Machine IC Socket* **TMC** = *Screw Machine DIP Terminals*	**3** = *.300" Row Spacing* *Positions: 06, 08, 10, 14, 16, 18, 20, 24, 28* **4** = *.400" Row Spacing* *Positions: 20, 22, 24, 28, 32,* **6** = *.600" Row Spacing* *Positions: 24, 28, 32, 36, 40, 42, 48, 50, 52* **9** = *.900" Row Spacing* *Positions: 50 & 52*	**06** *thru* **52**	**1** = *Standard DIP length* **2** = *Wire wrap tails*	**GT** = *Gold plated inner contact, tin plated outer sleeve* **TT** = *Tin plated inner contact, tin plated outer sleeve*

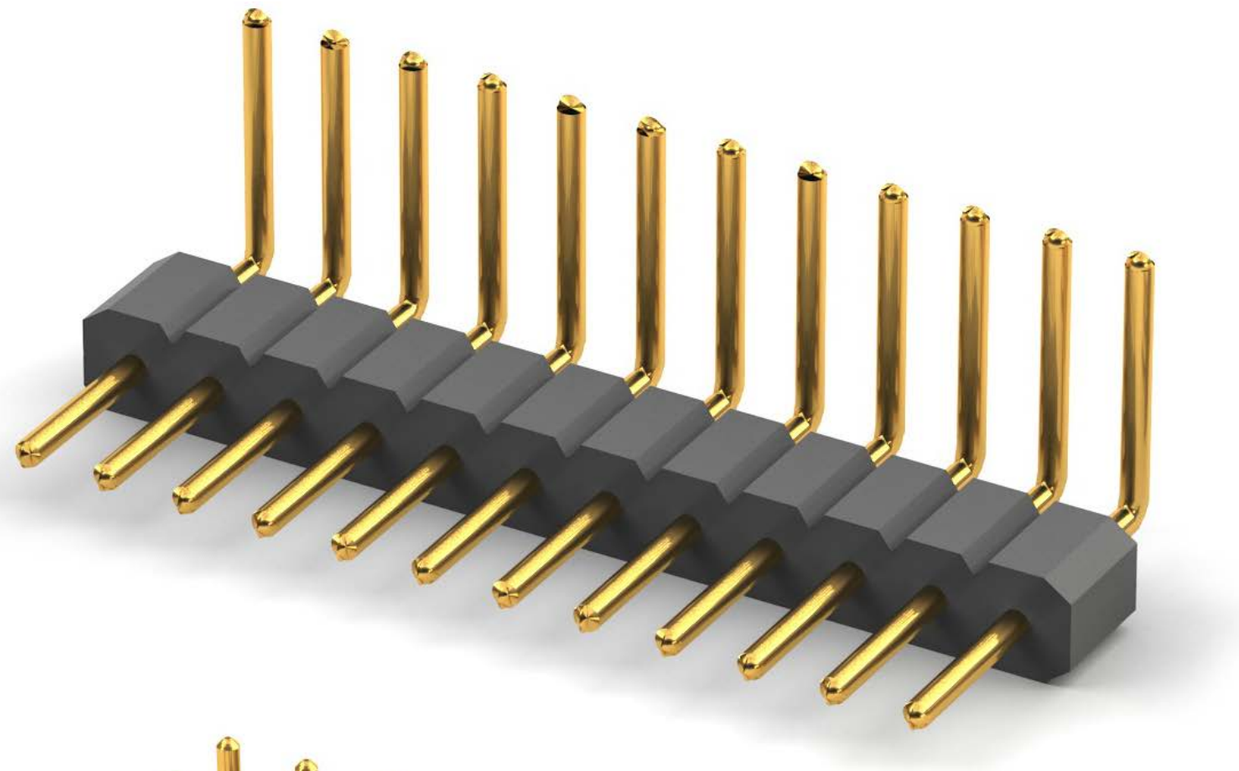


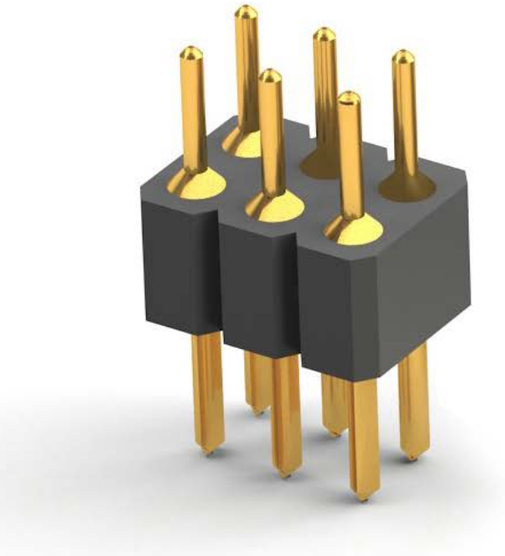
PART NUMBER	ROW SPACING	POSITIONS	TAIL LENGTH	PLATING	TYPE	PRODUCT DATA
ICM-3XX-1-GT	.300"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	IC Socket	View
ICM-4XX-1-GT	.400"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	IC Socket	View
ICM-6XX-1-GT	.600"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	IC Socket	View
ICM-9XX-XX-1-GT	.900"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	IC Socket	
TMC-3XX-1-G	.300"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	DIP Terminal	View
TMC-6XX-1-G	.600"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	DIP Terminal	View

Machine Headers & Receptacles

SCREW MACHINE TERMINAL STRIPS (HEADERS)

Adam Tech's Screw Machine Terminal Strips are designed with reliability and integration in mind. The high quality of this series allows it to mate seamlessly with compatible screw machine sockets. These terminal strips are offered in a variety of body styles, pitches, positions, and plating options.





FEATURES & SPECIFICATIONS

FEATURES:

Pitch options ranging from .039" to .100"
Positions ranging from 1 to 80
Single row
Straight body
Gold plated

SPECIFICATIONS:

Material:
Insulator: Hi-temp thermoplastic, rated UL 94V-0
Insulator color: Black
Contacts: Brass
Contact Plating:
Gold over nickel underplate overall

Electrical:
Current rating range: 1 to 3 Amps max
Voltage rating: 75V DC max
Contact resistance: 10 mohms max
Insulation resistance: 10000 Mohms min
Dielectric withstanding voltage range: 500 to 1000V AC for 1 minute

Temperature Rating:
Operating temperature range: -55°C to +125°C

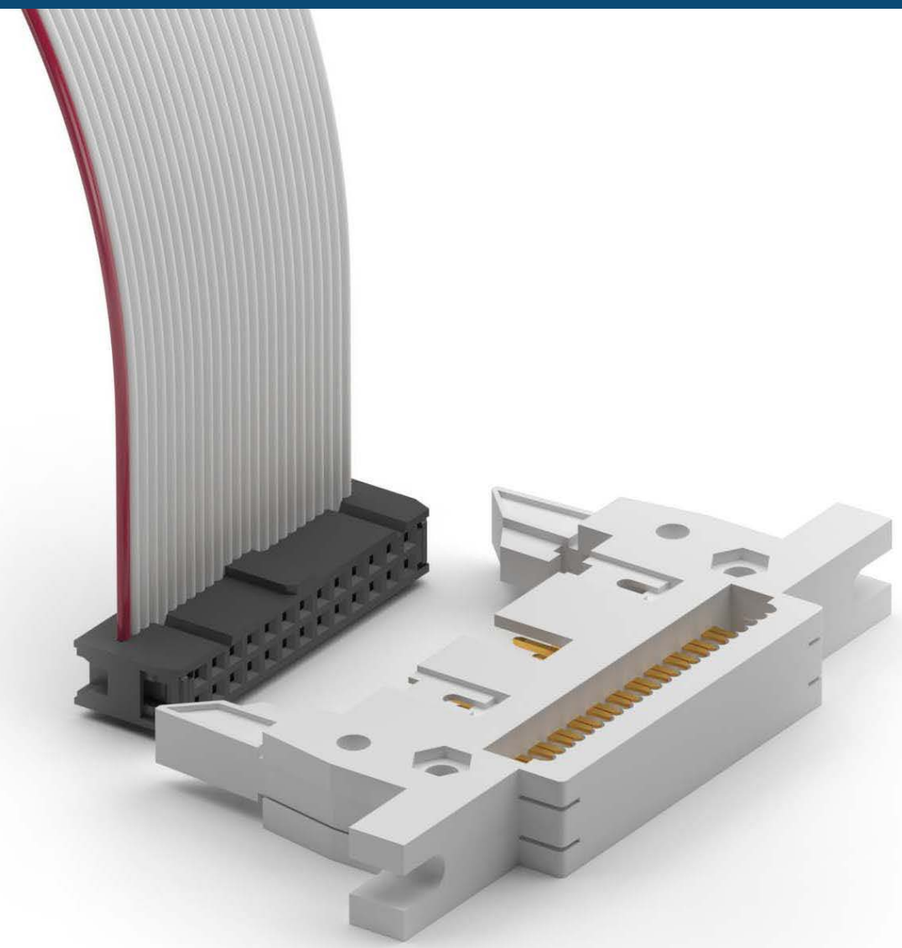
APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

PART NUMBER CONFIGURATION

MCT	- 1	- 04	- 1	- GT
SERIES	**BODY STYLE**	**POSITIONS**	**TAIL LENGTH**	**PLATING**
1MCT = *.039 (1.00mm) Screw maching contact terminal strip* **HMCT** = *.050 (1.27mm) Screw maching contact terminal strip* **2MCT** = *.078 (2.00mm) Screw maching contact terminal strip* **MCT** = *.100 (2.54mm) Screw maching contact terminal strip*	**1** = *Single Row Straight* **1R** = *Single Row Right Angle* **2** = *Dual Row Straight* **2R** = *Dual Row Right Angle*	*Single Row:* **01** *thru* **40** *Dual Row:* **02** *thru* **80**	**1** = *Standard Length* **2** = *Special Length, customer specified as tail length/total length*	**GT** = *Gold Internal Contct, Tin Sleeve* **TT** = *Tin Overall*

PART NUMBER	CENTERLINE	BODY STYLE	POSITIONS	PLATING	PRODUCT DATA
1MCT-1-XX-1-GT	.039" [1.00mm]	Single Row, Straight	01-80	Gold	
2MCT-1-XX-1-G	.079" [2.00mm]	Single Row, Straight	01-80	Gold	View
HMCT-1-XX-1-G	.050" [1.27mm]	Single Row, Straight	01-80	Gold	View
MCT-1-XX-1-G	.100" [2.54mm]	Single Row, Straight	01-80	Gold	View

Insulation Displacement termination connectors (IDC) are designed to quickly and effectively terminate flat cable in a wide variety of applications. The IDC termination style has migrated and been implemented into a wide range of connector styles because of its reliability and ease of use.



FEATURES & SPECIFICATIONS

FEATURES:
.050" x .050" or .050" x .100"
Low Profile and High Density
Uses Single layer .025" Flat Cable
Quickly and easily mass terminates standard Flat Cable
Smooth High Pressure Wiping Contacts

MATING CONNECTORS:
Adam Tech .050" HBHR series box headers, latch headers or HPH2 series pin headers

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

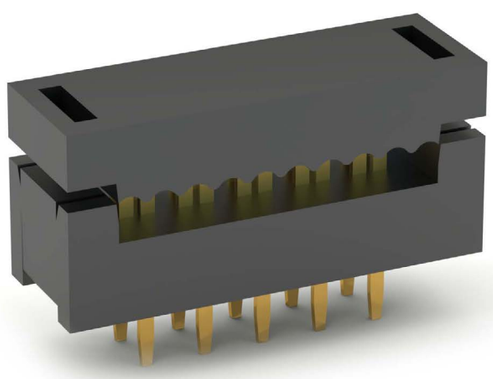
Material:
Insulator: PBT, glass reinforced, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

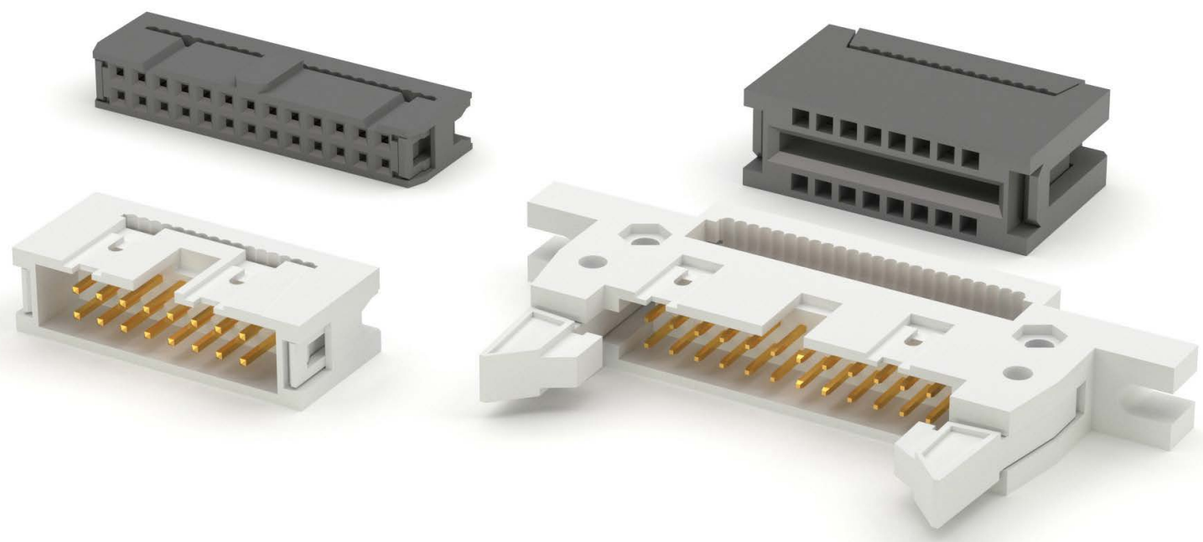
Contact Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 20 mΩ max. Initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

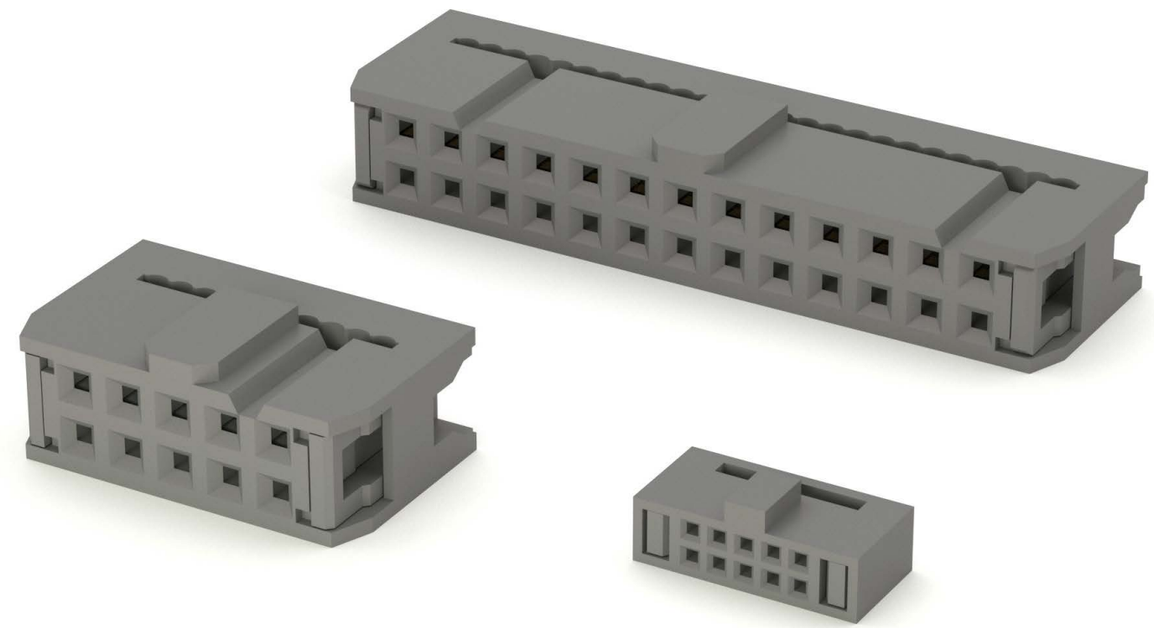
Mechanical:
Insertion force: 0.312 lbs per contact max.
Withdrawal force: 0.094 lbs per contact min.
Recommended wire size: 28 Awg stranded
Cable retention: 22 lbs. min axial force per inch.
Mating durability: 500 cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C





Adam Tech IDC Sockets are extremely popular, low profile, precision designed flat cable sockets that feature .100" pin to pin and row to row centerlines. These sockets quickly and easily mass terminate flat cable in one simple step. Their versatility allows them to mate with a multitude of .025" sq. post pin headers. Our superior selectively gold plated contact design provides a smooth high pressure wiping action to ensure excellent continuity. They are used with a single layer of .050" flat cable. Their small size, light weight, low cost and high density make them ideal for use in many applications.



FEATURES & SPECIFICATIONS

FEATURES:
Choice of Single or Dual beam contact design
Low Profile and High Density
Uses Single layer .050" standard Flat Cable
Quickly and easily mass terminates Flat Cable
Smooth High Pressure Wiping Contacts

MATING CONNECTORS:
Adam Tech .100" BHR series box headers and PH2 series pin headers

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforced, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:
Gold flash over nickel underplate on contact area, tin over copper underplate on IDC area

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 30 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:
Insertion force: FCS-D2: 0.5 lbs per contact max.
Withdrawal force: FCS-D2: 0.094 lbs per contact min.
Recommended wire size: 28 Awg stranded
Cable retention: 28 lbs. min axial force per inch.
Mating durability: 500 cycles min.

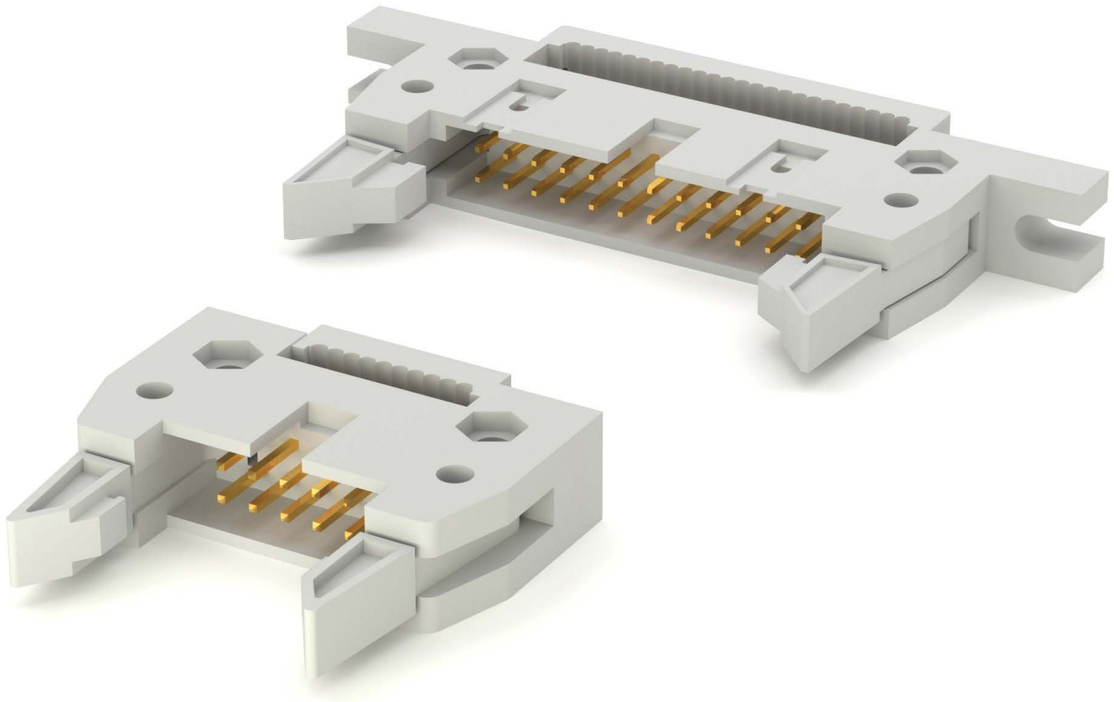
Temperature Rating:
Operating temperature: -40°C to +105°C

IDC SOCKETS PART NUMBER CONFIGURATION

FCS -	06 -	SG -	30
SERIES	**POSITIONS**	**PLATING**	**OPTIONS:**
HFCS= *.050" (1.27x2.54mm) Flat Cable Low profile IDC Socket* **HFCS-A**= *.050" (1.27x1.27mm) Flat Cable Low profile IDC Socket .050"x.050"* **2FCS**= *.078" (2.00mm) Flat Cable IDC Socket* **FCS** = *Flat Cable IDC Socket with standard single wipe contacts* **FCS-D2** = *Flat cable IDC socket with dual wipe contacts*	*HFCS Series:* **10, 14, 16, 20, 22, 26, 30, 34, 40, 44, 50, 60, 68, 80, 100** *HFCS-A Series:* **6 thru 26, 30, 34, 40, 50, 60, 80** *2FCS Series:* **6 thru 34, 36, 40, 44, 50, 60, 62, 64, 68** *FCS Series:* **06, 08, 10, 12, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 56, 60, 62, 64**	**SG** = *Selective gold plating*	*Add designator(s) to end of part number* **N** = *No polarization bump* **STRAIN RELIEF:** **FSR-XX** *(XX = No. of Positions)* **PULL TABS:** **PT-XX** *(No. of positions)* **KEYING PLUGS:** **FCS-K** *(Key plugs can also be molded into connector, consult factory)*

PART NUMBER	STRAIN RELIEF	CENTERLINE	CONTACT STYLE	POSITIONS	PLATING	PRODUCT DATA
2FCS-B-XX-SG-PB		.079" [2.00mm]		06-68	Selective Gold	View
2FCS-C-XX-SG-PB		.079" [2.00mm]		06-68	Selective Gold	View
2FCS-C-XX-SG-PB-SR		.079" [2.00mm]		06-68	Selective Gold	View
2FCS-C1-XX-SG-PB-FSR	Yes	.079" [2.00mm]	Dual Wipe Contacts	06-64	Selective Gold	View
2FCS-D-XX-SG-PB-15		.079" [2.00mm]		06-68	Selective Gold	View
2FCS-XX-SG		.079" [2.00mm]		06-68	Selective Gold	View
2FCS-XX-SG-PB		.079" [2.00mm]		06-68	Selective Gold	View
2FCS-XX-SG-PB-30		.079" [2.00mm]		06-68	Selective Gold	View
2FCS-XX-SG-PB-A		.079" [2.00mm]	4 Wipe Contacts	06-68	Selective Gold	View
2FSR-XX	Yes			06-68		View
FCS-C1-XX-G		.100" [2.54mm]	Single Wipe Contacts	06-64	Gold	View
FCS-D2-XX-SG		.100" [2.54mm]	Dual Wipe Contacts	06-64	Selective Gold	View
FCS-D2C1-XX-SG-FSR	Yes	.100" [2.54mm]	Dual Wipe Contacts	06-64	Selective Gold	View
FCS-XX-SG		.100" [2.54mm]	Single Wipe Contacts	06-68	Selective Gold	View
FSR-XX	Yes			06-64		View
HFCS-A-XX-SG		.050" x .050"		06-68	Selective Gold	View
HFCS-A1-XX-G		.050" x .050"		06-80	Gold	View
HFCS-XX-SG		.050" x .100"		06-68	Selective Gold	View

Adam Tech IDC Latch Headers are designed to quickly and easily mass terminate to .050" flat cable. The IDC termination is converted to a Shrouded Box Header with ejector/latches and a polarizing slot that mates with standard IDC sockets. This connector is ideal for splicing and making "T" taps to a cable bus. Adam Tech's sturdy design features solid, selectively gold plated .025"sq. copper alloy posts.



FEATURES & SPECIFICATIONS

FEATURES:
Latches for secure attachment
Latch ejection feature makes socket removal easy
IDC Cable to Shrouded Box Header
Mates with standard IDC sockets
Ideal for splicing and "T" taps to cable bus
Solid selectively gold plated contacts

MATING CONNECTORS:
Mates with Adam Tech FCS Series .100" (2.54mm) dual row IDC sockets

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

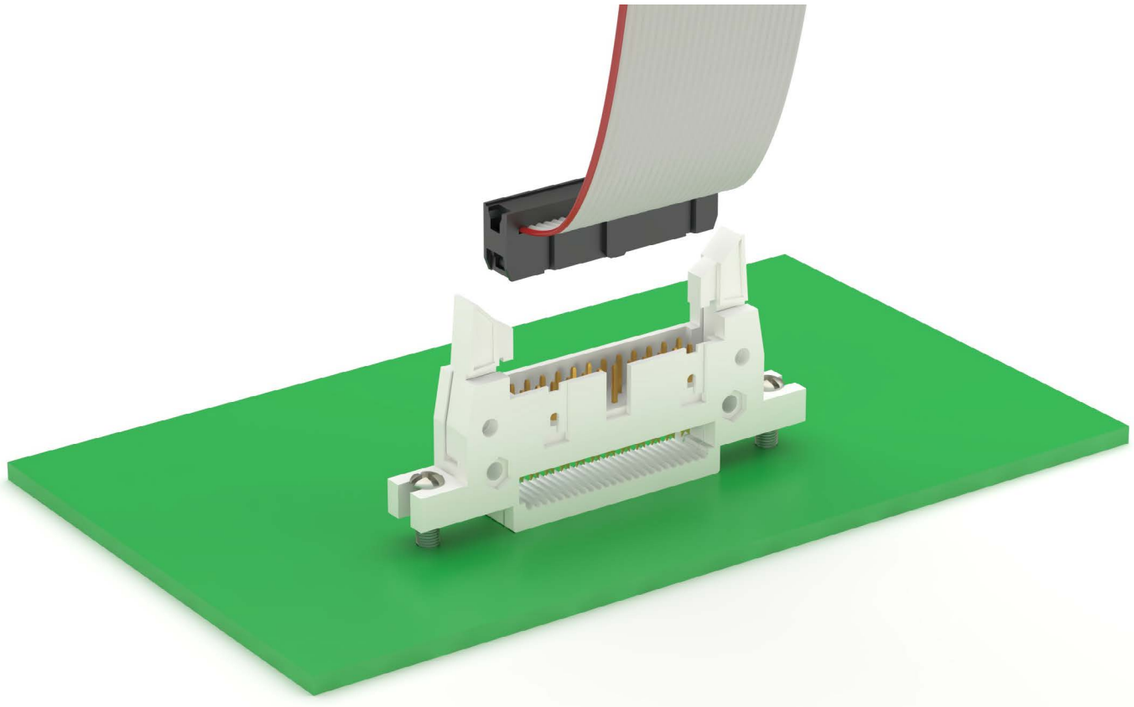
Material:
Insulator: PBT, rated UL94V-0
Insulator Color: Gray
Contacts: Brass

Contact Plating:
Gold flash (30 μin optional) over nickel on contact area,
Tin over copper underplate on IDC area

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.5 lbs per circuit max.
Withdrawal force: 0.094 lbs per circuit min
Mating durability: 500 Cycles min.
Recommended cable size: 28 Awg stranded

Temperature Rating:
Operating temperature: -40°C to +105°C



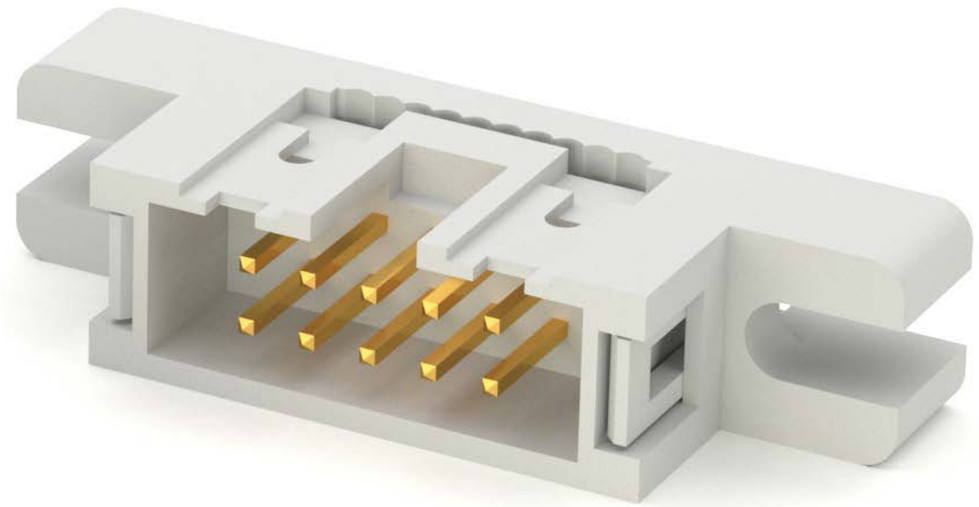
IDC LATCHING HEADERS PART NUMBER CONFIGURATION

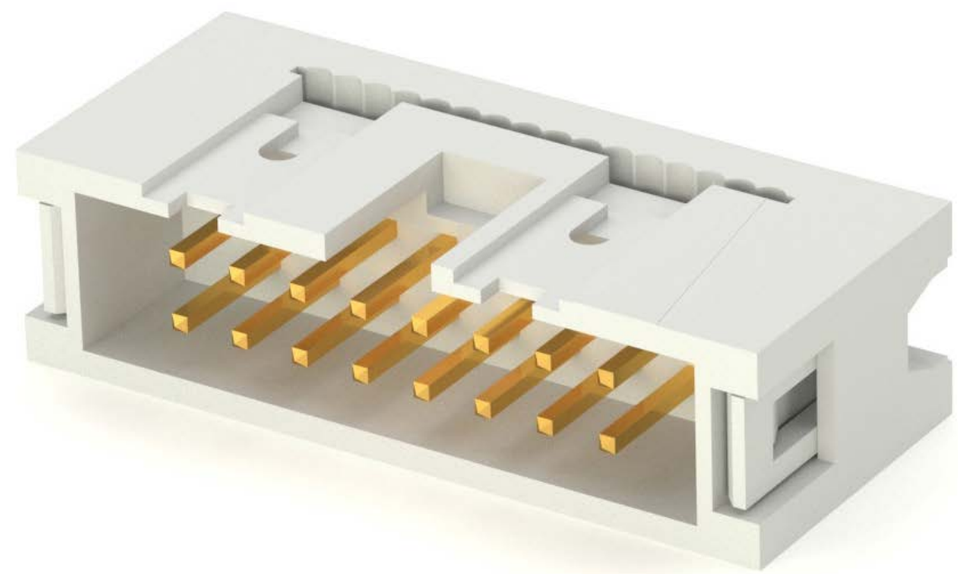
MHF	-	10	-	SG	-	S	-	E

SERIES	POSITIONS	PLATING	EJECTOR/LATCHES	OPTIONS:
MHF = *IDC Latch Header*	**10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64**	**SG** = *Selective gold plating*	**S** = *Short ejector/latches for sockets without strain relief* **L** = *Long ejector/latches for sockets with strain relief*	*Add designator(s) to end of part number* **E** = *Mounting Ears*

PART NUMBER	CENTERLINE	POSITIONS	PLATING	OPTIONS	LATCH TYPE	PRODUCT DATA
MHF-XX-SG-L	.100" [2.54mm]	10-64	Selective Gold		Long Ejector Latches - For Sockets with Strain Relief	View
MHF-XX-SG-L-E	.100" [2.54mm]	10-64	Selective Gold	Mounting Ears	Long Ejector Latches - For Sockets with Strain Relief	View
MHF-XX-SG-S	.100" [2.54mm]	10-64	Selective Gold		Short Ejector Latches - For Socket without Strain Relief	View
MHF-XX-SG-S-E	.100" [2.54mm]	10-64	Selective Gold	Mounting Ears	Short Ejector Latches - For Socket without Strain Relief	View

Adam Tech IDC Box Headers are designed to quickly and easily mass terminate to .050" flat cable. The IDC termination is converted to a Shrouded Box Header output with a polarizing slot that mates with standard IDC sockets. This connector is ideal for splicing and making "T" taps to a cable bus. Adam Tech's sturdy design features solid, selectively gold plated .025"sq. copper alloy posts.





FEATURES & SPECIFICATIONS

FEATURES:
IDC Flat Cable to Shrouded Box Header
Mates with standard IDC sockets
Ideal for splicing and "T" taps to cable bus
Solid selectively gold plated contacts

MATING CONNECTORS:
Mates with Adam Tech FCS Series .100" [2.54mm] dual row IDC sockets

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, rated UL94V-0
Insulator Color: Gray
Contacts: Brass

Contact Plating:
Gold flash over nickel underplate on contact area, tin over copper underplate on IDC area

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max
Contact resistance: 30 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Insertion force: 0.5 lbs per circuit max.
Withdrawal force: 0.094 lbs per circuit min
Mating durability: 500 cycles min.
Recommended cable size: 28 Awg stranded

Temperature Rating:
Operating temperature: -40°C to +105°C

IDC BOX HEADERS PART NUMBER CONFIGURATION

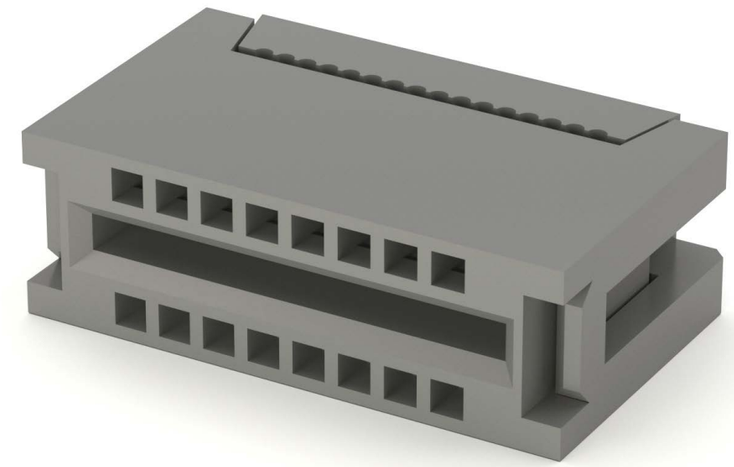
FCP	-	10	-	SG	-	E
SERIES		POSITIONS		PLATING		OPTIONS:
FCP = *IDC Box Header*		**10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64**		**SG** = *Selective gold plating*		*Add designator(s) to end of part number* **E** = *Mounting Ears*

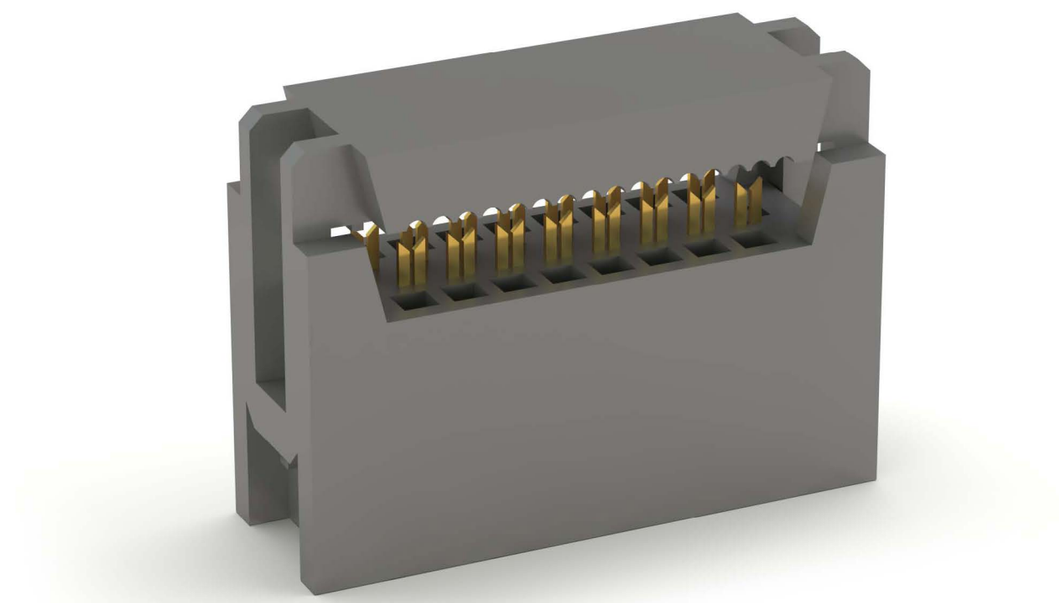
PART NUMBER	CENTERLINE	POSITIONS	PLATING	OPTIONS	PRODUCT DATA
FCP-XX-SG	.100" [2.54mm]	10-64	Selective Gold		View
FCP-XX-SG-E	.100" [2.54mm]	10-64	Selective Gold	Mounting Ears	View

IDC Connectors

IDC CARD EDGE

Adam Tech FCE Series IDC Card Edge Connectors are designed to quickly and easily mass terminate .050" flat cable and mate directly with the plated fingers of a PCB as a card edge connector. Our superior designed crimp cap features guides to reduce occurrence of mis-mating and our specially engineered contacts provide strong wiping action and high retention to the PCB.





FEATURES & SPECIFICATIONS

FEATURES:
Available with or without mounting ears
Special "easy fit" cap reduces mis-mating
High Retention to PCB
Selectively Gold plated Bifurcated contacts

MATING OPTIONS:
Printed circuit boards with a thickness of .058" to .070"

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforced, rated UL94V-0
Insulator Color: Black, (Gray optional)
Contacts: Phosphor Bronze

Contact Plating:
Gold flash over nickel underplate on contact area,
Tin over copper underplate on IDC area

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 30 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:
PCB Insertion force: 0.406 lbs per contact max.
With .062 thick board
Withdrawal force: 0.312 lbs per contact min.
With .062 thick board
Recommended wire size: 28 Awg stranded
Cable retention: 28 lbs. min axial force per inch.
Mating durability: 500 cycles min.

Temperature Rating:
Operating temperature: -40°C to +105°C

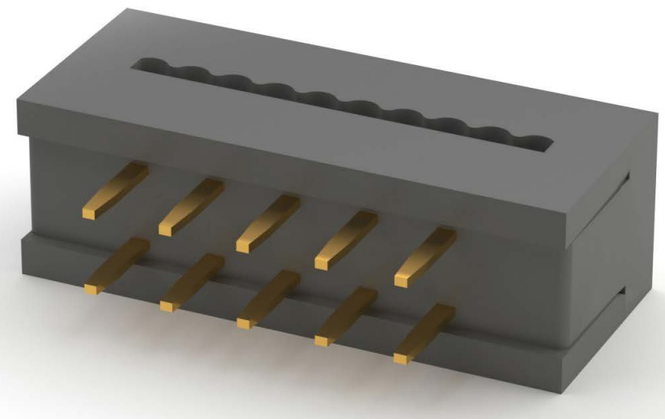
IDC CARD EDGE PART NUMBER CONFIGURATION

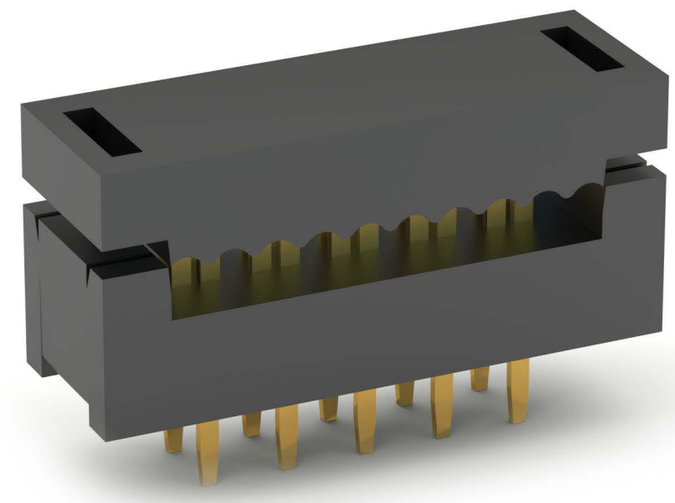
FCE	-	10	-	SG	-	E

SERIES	POSITIONS	PLATING	OPTIONS:
FCE = *Card Edge, IDC*	**10, 14, 16, 20, 26, 34, 40, 50, 60, 62, 64**	**SG** = *Selective gold plating*	*Add designator(s) to end of part number* **E** = *Mounting Ears* **STRAIN RELIEF:** **FCR - XX** *(XX= No. of Positions)* **KEYING PLUGS:** **FCE-K** *(Key plugs can also be molded into connector, consult factory)*

PART NUMBER	CENTERLINE	POSITIONS	PLATING	OPTIONS	PRODUCT DATA
FCE-XX-SG	.100" [2.54mm]	10-64	Selective Gold		View
FCE-XX-SG-E	.100" [2.54mm]	10-64	Selective Gold	Mounting Ears	View

Adam Tech's Flat Cable DIP & Transition plugs are a one piece connector system that quickly and easily mass terminates flat cable then mounts directly to the PCB or PCB socket. These connectors are ideal for interconnecting PCB's in a permanent flat cable transition or satisfying disconnect applications. Our low profile design allows an increased board to board stacking density.





FEATURES & SPECIFICATIONS

FEATURES:
Available in 8 – 64 positions
Eliminates need for two piece header & Socket set
Fast easy mass termination without stripping cable
Heavy duty Tin plated contacts
Low Profile, high density board to board stacking
Plugs into IC Socket or solders directly to PCB

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

Material:
Insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

Contact Plating:
G = Gold over nickel underplate on contact area, Tin over copper underplate on IDC area.
T = Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amp max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Recommended cable size: 28 Awg stranded

Temperature Rating:
Operating temperature: -40°C to +105°C

IDC DIP & TRANSITION PLUGS PART NUMBER CONFIGURATION

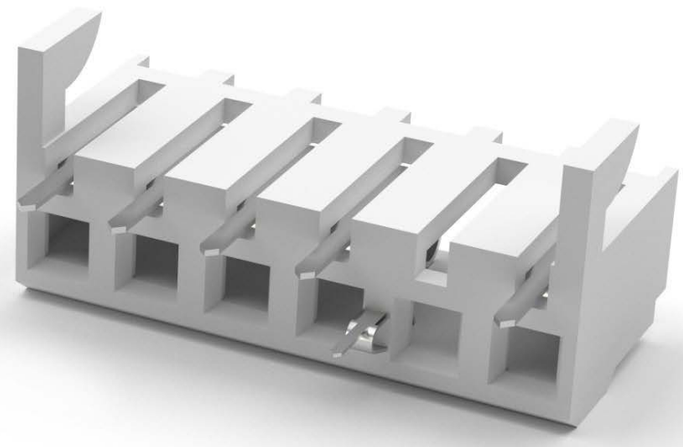
FTR	-	08	-	T	-	GY
SERIES		**POSITIONS**		**PLATING**		**OPTIONS:**
FTR = *IDC Flat Cable Transition Plug .100" x .100"* **FDP-3** = *IDC Flat Cable Dip Plug .100" x .300"* **FDP-6** = *IDC Flat Cable Dip Plug .100" x .600"*		*FTR: .100" row spacing* *Positions:* **06, 08, 10, 12, 14, 16, 18, 20, 24, 26, 28, 30, 34, 40, 50, 60, 64** *FDP-3: .300" row spacing* *Positions:* **08, 10, 14, 16, 18, 20, 24, 26, 28, 34, 40** *FDP-6: .600" row spacing* *Positions:* **24, 28, 32, 36, 40**		**T** = *Tin plated* **G** = *Gold plating on tails*		*Add designator(s) to end of part number* **GY** = *Gray color insulator*

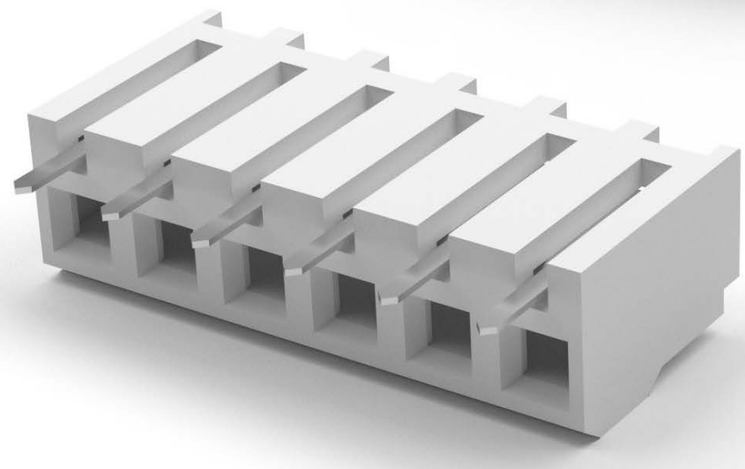
PART NUMBER	PLUG TYPE	PITCH	PLATING	PRODUCT DATA
FDP-3XX-T	Flat Cable DIP Plug	.100" [2.54mm]	Tin	View
FDP-6XX-T	Flat Cable DIP Plug	.100" [2.54mm]	Tin	View
FTR-XX-T	IDC DIP Plug	.100" [2.54mm]	Tin	View

Receptacles with Board Hooks

.100” & .156” CENTERLINE

Adam Tech PCE & PCD Series receptacles are PCB mounted sockets that have integral PC Board hooks which wrap around the edge of the PCB for added stability. They are made with three mounting and mating configurations which include Top, Bottom & Side entry.





FEATURES & SPECIFICATIONS

FEATURES:
.100” & .156” Centerlines
Hooks for stability to PCB
High normal force contacts
Low insertion force
Three mounting orientation options

MATING HEADERS:
Adam Tech PH & LHB headers and all industry standard .100” and .156” pitch pin headers with a .025” or .045” square or round pins

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File no. E224053

SPECIFICATIONS:

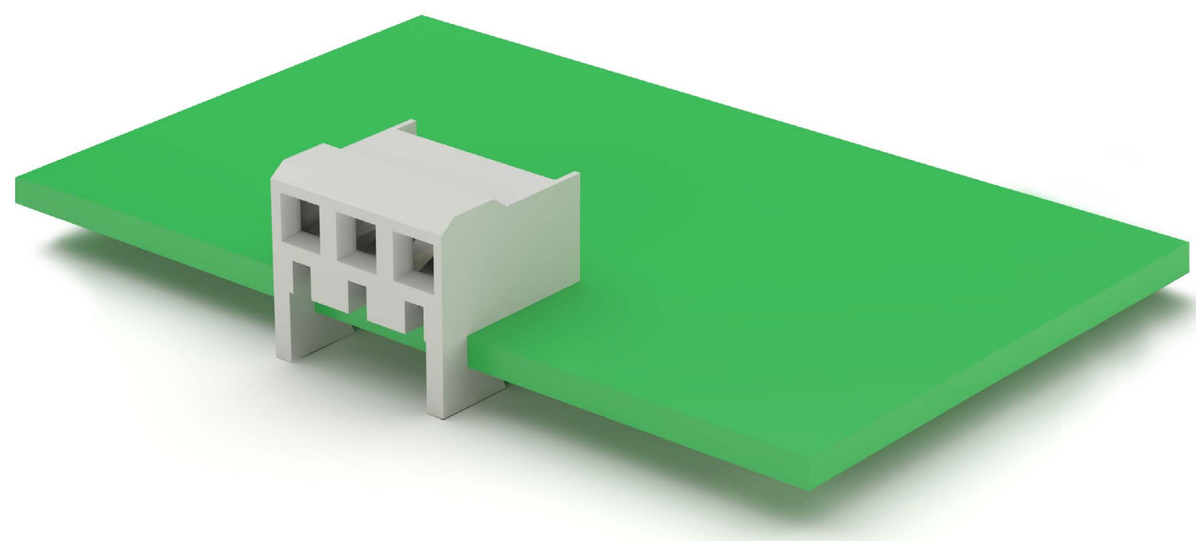
Material:
Insulator: Nylon 66, rated UL94V-0
Insulator Color: Natural
Contacts: Phosphor Bronze

Contact Plating:
Tin over copper underplate overall

Electrical:
Operating voltage: 250V AC max.
Current rating: .100 pitch: 3 Amp max.
.156 pitch: 7 Amps max.
Contact resistance: 10 mΩ max. Initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Mechanical:
Insertion force: 0.375 lbs max
Withdrawal force: 0.187 lbs min.
Recommended PCB Thickness: 0.063” (1.6mm]

Temperature Rating:
Operating temperature: -40°C to +105°C



PART NUMBER CONFIGURATION

PCD	-	A	-	02	-	NH
SERIES		**ENTRY ANGLE**		**POSITIONS**		**OPTIONS**
PCE = *.100” PCB Connector with board hooks* **PCD** = *.156” PCB Connector with board hooks*		**A** = *Top entry* **B** = *Side entry* **C** = *Bottom entry*		**02** *thru* **20**		**NH** = *No Board hooks*

PART NUMBER	CENTERLINE	ENTRY ANGLE	PRODUCT DATA
PCD-A-XX	.156" [3.96mm]	Top Entry	View
PCD-B-XX	.156" [3.96mm]	Side Entry	View
PCD-C-XX	.156" [3.96mm]	Bottom Entry	View
PCE-A-XX	.100" [2.54mm]	Top Entry	View
PCE-B-XX	.100" [2.54mm]	Side Entry	View
PCE-C-XX	.100" [2.54mm]	Bottom Entry	View

Cable Accessories

Adam Tech's vast line of cable assemblies is further enhanced with a wide offering of accessories. IP68 waterproof plastic and metal cable glands headline this series, with their ability to effectively seal and connect cables to a device. Next is Heat Shrink Tubing, which includes standard, dual wall, and high voltage. An RF crimp tool kit is available, equipped with a ratchet crimper, cable cutter, cable stripper and full die set. Lastly, quick disconnect terminals are offered in both cable mount and board mount styles.

FEATURES & SPECIFICATIONS

FEATURES:

Provide support to cable assemblies
RF crimp tool kit with three tools and six dies
Heat shrink tubing in various sizes, cut lengths, and colors
Variety of quick disconnect terminals including insulated and through hole
IP68 waterproof cable glands in various sizes

SPECIFICATIONS:

Material:

Tools: Carbon steel
Heat shrink tubing: Polyolefin
Quick disconnect terminals: Bronze or brass, tin plated
Quick disconnect terminal insulator color: blue or yellow
Quick disconnect terminal thickness range: 0.4mm to 0.8mm
Cable glands: PA66 plastic or nickel plated brass

Electrical:

Heat shrink tubing shrinkage: 2:1

Temperature Rating:

Heat shrink tubing operating temperature: -55°C to +125°C

PART NUMBER	PRODUCT TYPE	PRODUCT DATA
ATHT-001	Hand Tool	View
ATHT-001A	Hand Tool	View
ATHT-002	Hand Tool	View
ATHT-003	Hand Tool	View
ATHT-004	Hand Tool	View
ATHT-008	Hand Tool	View
ATHT-009	Hand Tool	View
ATHT-010	Hand Tool	View
ATHT-011	Hand Tool	View
ATHT-012	Hand Tool	View
ATHT-014	Hand Tool	View
ATHT-015	Hand Tool	View
ATHT-K3081	RF Crimp Tool Kit	View
CG-M-MX-X	Metal Cable Gland	View
CG-M-PGX	Metal Cable Gland	View
CG-P-11	Plastic Cable Gland	View
CG-P-13.5	Plastic Cable Gland	View
CG-P-16	Plastic Cable Gland	View
CG-P-21	Plastic Cable Gland	View
CG-P-29	Plastic Cable Gland	View
CG-P-36	Plastic Cable Gland	View
CG-P-42	Plastic Cable Gland	View
CG-P-48	Plastic Cable Gland	View

PART NUMBER	PRODUCT TYPE	PRODUCT DATA
CG-P-7	Plastic Cable Gland	View
CG-P-9	Plastic Cable Gland	View
CG-P-M10-1.5	Plastic Cable Gland	View
CG-P-M12-1.5	Plastic Cable Gland	View
CG-P-M16	Plastic Cable Gland	View
CG-P-M18-1.5	Plastic Cable Gland	View
CG-P-M20	Plastic Cable Gland	View
CG-P-M22	Plastic Cable Gland	View
CG-P-M25	Plastic Cable Gland	View
CG-P-M28-1.5	Plastic Cable Gland	View
CG-P-M32-1.5	Plastic Cable Gland	View
CG-P-M40-1.5	Plastic Cable Gland	View
CG-P-M50-1.5	Plastic Cable Gland	View
CG-P-M63-1.5	Plastic Cable Gland	View
CG-P-M75-2.0	Plastic Cable Gland	View
CG-P-M8-1.25	Plastic Cable Gland	View
CG-P-M90-2.0	Plastic Cable Gland	View
HST-A-XXX-XX-X-SR31	Dual Wall Heat Shrink Tubing	View
HST-A-XXX-XX-X-SR41	Dual Wall Heat Shrink Tubing	View
HST-B-XXX-RD-X-24KV	High Voltage Heat Shrink Tubing	View
HST-B-XXX-RD-X-36KV	High Voltage Heat Shrink Tubing	View
HST-M-XXX-BK-XXX-SR21	Heat Shrink Tubing (Medical Grade)	View
HST-XX-XX-X	Heat Shrink Tubing	View

To contact us, scan the QR code to reach our website inquiry form.

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