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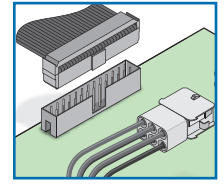
Preferred Parts Catalogue Interconnection



Internal Equipment Connection
Pages 1 - 72

Terminals & Splices
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Memory & Socket Products
Pages 108 - 118



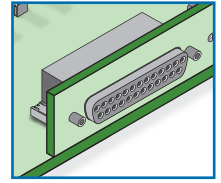
Internal Equipment Connection

Product Family	Centreline (mm)	Current Rating (A)	Page	Board to Board	Wire to Board Discrete Wire	Wire to Board Flat Cable	Wire to Wire Discrete Wire	Wire to Wire Flat Cable	Backplane	Flat Cable
Free Height / COM Express	0.50	0.5	1	•						
FFC / FPC	0.50	0.5	2			•				
MICTOR	0.64	1.0	4	•						
0.8mm Free Height	0.80	0.5	5	•						
FFC / FPC	1.00	1.0	2-3			•				
FFC / FPC	1.25	1.0	3			•				
AMPMODU 50/50	1.27	0.5	6	•						
Serial ATA	1.27	1.0	7			•				
Flat Ribbon Cable	1.27	1.0	72							•
CT	2.00	4.0	8-9		•					
HPI	2.00	3.0	10		•					
Z-PACK Futurebus	2.00	1.5	69						•	
HPI	2.50	3.0	10		•					
ATCA	2.50	1.0	70						•	
Flexstrip Jumpers	2.54	3.0	11	•						
Multi-Beam XL	2.54	35.0	12	•						
AMPMODU HV-100/190	2.54	3.0	13-14	•						
AMPMODU MOD II/IV/V	2.54	3.0	15-23	•	•		•			
AMPMODU Locking Clip	2.54	3.0	24		•					
HE 14	2.54	3.0	25-26		•					
CST-100 II	2.54	4.0	27		•					
MTA-100	2.54	5.0	28-30		•	•	•	•		
MicroMatch	2.54	1.5	31-33	•	•	•				
AMP-Latch	2.54	1.0	34-36			•				
DIN41612	2.54	1.0	71						•	
Micro MATE-N-LOK	3.00	5.0	37-39		•		•			
Terminal Blocks	3.50	13.5	40, 42-44		•					
Terminal Blocks	3.81	13.5	40, 42-44		•					
AMPMODU MOD I	3.96	5.0	45-46		•					
SL-156	3.96	10.0	47		•					
MTA-156	3.96	7.0	48-50		•	•	•	•		
Mini Universal MATE-N-LOK	4.14	9.5	51-55		•		•			
4.2mm PE	4.20	9.0	56-57		•		•			
Commercial MATE-N-LOK	4.95	19.0	58-61		•		•			
Terminal Blocks	5.00	15.0	40-44		•					
Terminal Blocks	5.08	15.0	40-44		•					
Commercial MATE-N-LOK	5.08	19.0	58-61		•		•			
Commercial MATE-N-LOK	6.09	19.0	58-61		•		•			
.140 MATE-N-LOK	6.09	28.0	62-63		•		•			
Universal MATE-N-LOK	6.35	19.0	64-68		•		•			
Terminal Blocks	7.62	24.0	40		•					

Find application tooling at
www.tooling.tycoelectronics.com

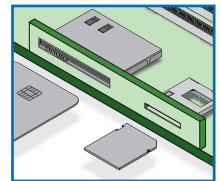
See page 138 for details





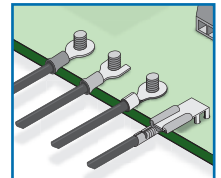
Input / Output Connectors

Product Family	Page	D-Sub	SCSI	Modular Plugs & Jacks	Consumer Standards	Infiniband / Fibre Channel	USB / IEEE 1394	Circular Signal	Circular Industrial	Rectangular Industrial	RF Coax Products
Amplimite	73 - 78	•									
Amplimite .050	79		•								
Modular Jacks	80			•							
Modular Jacks with Magnetics	81			•							
Shielded Data Link	82			•							
HDMI / DVI / Scart / RCA	83				•						
High Speed Serial Connectors	84					•					
USB / IEEE 1394	85						•				
Circular DIN / Mini DIN	86							•			
TRIAD 01	87								•		
Micro CPC	88								•		
Miniature CPC	89								•		
CPC	90 - 94								•		
M8 / M12	95 - 96								•		
HTS	97 - 103									•	
RF Connectors	104 - 106										•
Antennas	107										•



Memory & Socket Products

Product Family	Page	IC Sockets	PLCC Sockets	Memory / DIMM Sockets	Battery Connectors	Smart Card Connectors	Memory Card Connectors
DIP Sockets	108	•					
Holtite Solderless Sockets	109	•					
PLCC Sockets	110 - 111		•				
Memory / DIMM Sockets	112			•			
PCI Connectors	113			•			
Battery Connectors	114				•		
Smart Card Connectors	115					•	
SIM Card Connectors	116					•	
PCMCIA	117						•
Removable Card Products	118						•



Terminals & Splices

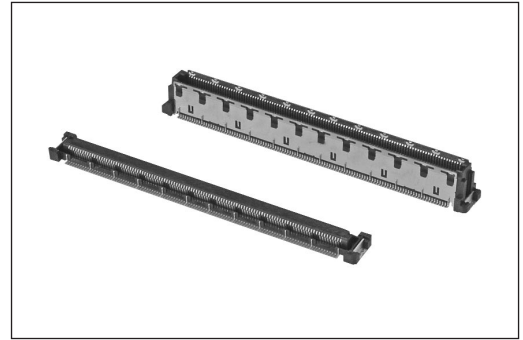
Product Family	Page	Uninsulated Terminals & Splices	Insulated Terminals & Splices	Quick Connect / Disconnect
SOLISTRAND	119 - 122	•		
PLASTI-GRIP	123 - 125		•	
PIDG	126 - 130		•	
FASTON	131 - 133			•
FASTIN-FASTON	134 - 135			•
Positive Lock	136 - 137			•

Free Height / COM Express

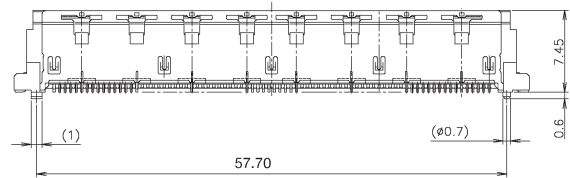
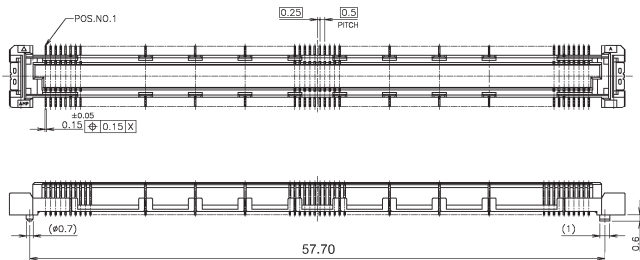
- 220 position
- Part has been chosen by PICMG Com Express working group for the embedded module & carrier card interface

Specification:

Current Rating - 0.5A
Durability - 30 mating cycles



8mm Stacking Height



No. of Positions	Product Description	Mounting Style	Part Number
220	Receptacle	SMT	3-6318490-6
220	Plug	SMT	3-6318491-6

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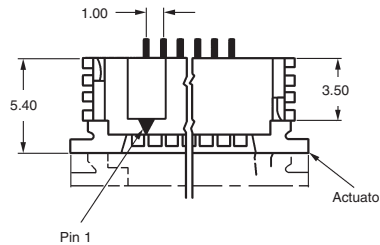
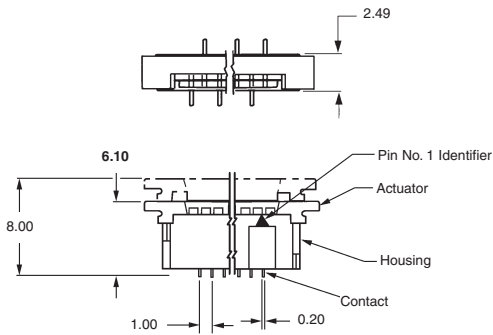
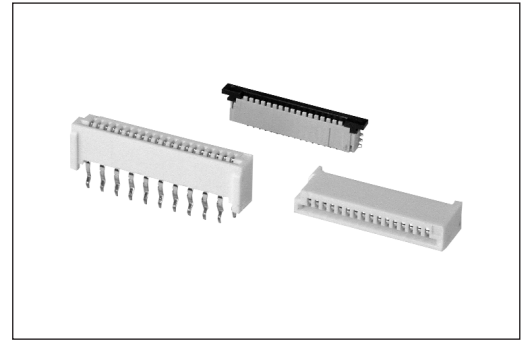


FFC / FPC Connectors

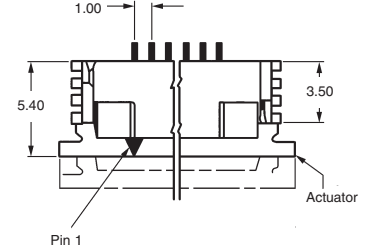
- Available in Zif & non Zif versions
- 0.50mm to 1.25mm centrelines
- Surface mount, through hole, vertical and right angle mounting options

Specification:

- Housing** - High temperature thermoplastic, UL 94V-0, natural colour
- Contacts** - Phosphor bronze
- Actuator** - Thermoplastic, UL94V-0,
- Hold down** - Phosphor bronze



Top Contact Type



Bottom Contact Type

0.50mm Pitch
Top Contact - Right Angle - SMT

No. of Contacts	ZIF	Part Number
10	Yes	1-1775097-0
14	Yes	1-1775097-4
16	Yes	1-1775097-6
20	Yes	2-1775097-0
30	Yes	3-1775097-0

0.50mm Pitch
Bottom Contact - Right Angle - SMT

No. of Contacts	ZIF	Part Number
10	Yes	1-1775098-0
14	Yes	1-1775098-4
16	Yes	1-1775098-6
20	Yes	2-1775098-0
30	Yes	3-1775098-0

1.00mm Pitch
Vertical Mount - Through Hole

No. of Contacts	ZIF	Part Number
4	No	84984-4
6	No	84984-6
8	No	84984-6
10	No	1-84984-0
14	No	1-84984-4
16	No	1-84984-6
20	No	2-84984-0
24	No	2-84984-4
26	No	2-84984-6
30	No	3-84984-0

FFC / FPC Connectors (continued)

1.00mm Pitch

Top Contact - Right Angle - SMT

No. of Contacts	ZIF	Part Number
4	Yes	84953-4
6	Yes	84953-6
8	Yes	84953-6
10	Yes	1-84953-0
14	Yes	1-84953-4
16	Yes	1-84953-6
20	Yes	2-84953-0
24	Yes	2-84953-4
26	Yes	2-84953-6
30	Yes	3-84953-0

1.00mm Pitch

Bottom Contact - Right Angle - SMT

No. of Contacts	ZIF	Part Number
4	Yes	84952-4
6	Yes	84952-6
8	Yes	84952-6
10	Yes	1-84952-0
14	Yes	1-84952-4
16	Yes	1-84952-6
20	Yes	2-84952-0
24	Yes	2-84952-4
26	Yes	2-84952-6
30	Yes	3-84952-0

1.25mm Pitch

Vertical Mount - Through Hole

No. of Contacts	ZIF	Part Number
4	No	84534-4
6	No	84534-6
8	No	84534-6
10	No	1-84534-0
14	No	1-84534-4
16	No	1-84534-6
20	No	2-84534-0
24	No	2-84534-4
26	No	2-84534-6
30	No	3-84534-0

1.25mm Pitch

Top Contact - Right Angle - Through Hole

No. of Contacts	ZIF	Part Number
4	No	84533-4
6	No	84533-6
8	No	84533-6
10	No	1-84533-0
14	No	1-84533-4
16	No	1-84533-6
20	No	2-84533-0
24	No	2-84533-4
26	No	2-84533-6
30	No	3-84533-0

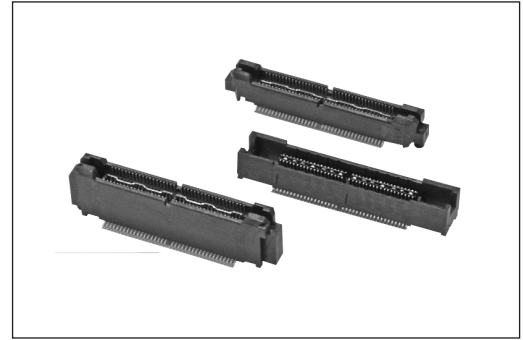


MICTOR Board-to-Board Stacking Connector

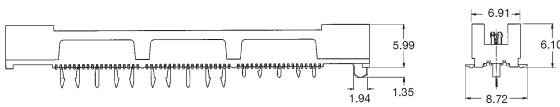
- Uses SMT technology
- 0.64mm centre line
- Designed for 50 ohm systems
- UL & CSA approved
- Connector housings polarised for correct mating
- Built-in connector-to-board retention feature
- Data rate 3.125 Gb/s

Specification:

- Housing** - LCP
Contacts - 0.76µm gold over nickel
Durability - 25 mating cycles

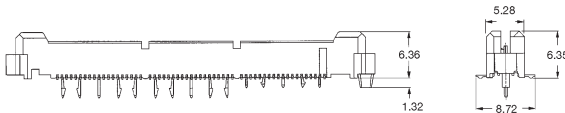


Vertical Receptacles - for all Stacking Heights



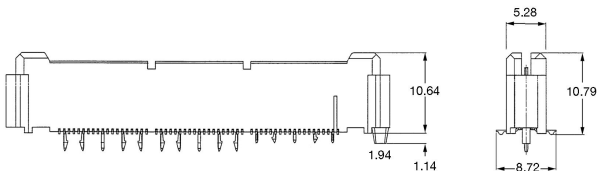
No. of Positions	Part Number
38	2-5767004-2
76	2-5767004-3
114	2-5767004-4
152	2-5767004-5
190	2-5767004-6
228	2-5767004-7
266	2-5767004-8

Vertical Plug - To make Stacking Height 6.60mm



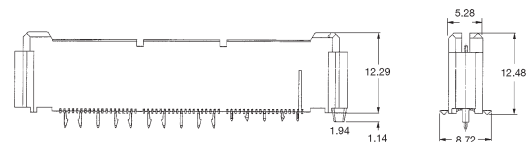
No. of Positions	Part Number
38	5767007-8
76	5767007-9
114	1-5767007-0
152	1-5767007-1
190	1-5767007-2
228	1-5767007-3
266	1-5767007-4

Vertical Plug - To make Stacking Height 10.92mm



No. of Positions	Part Number
38	5767003-9
76	1-5767003-0
114	1-5767003-1
152	5767003-8
190	1-5767003-2
228	1-5767003-3
266	1-5767003-4

Vertical Plug - To make Stacking Height 12.57mm



No. of Positions	Part Number
38	5767005-8
76	5767005-9
114	1-5767005-0
152	1-5767005-1
190	1-5767005-2
228	1-5767005-3
266	1-5767005-4

0.8mm Free Height Stacking Connectors

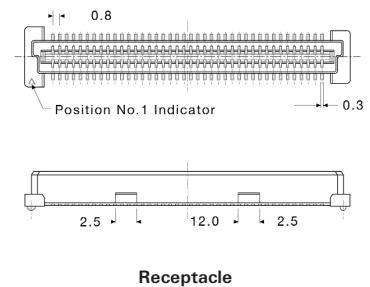
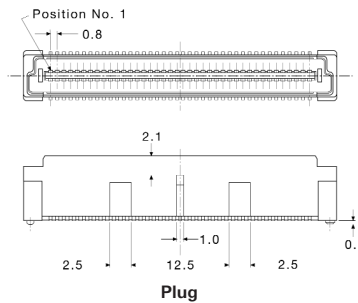
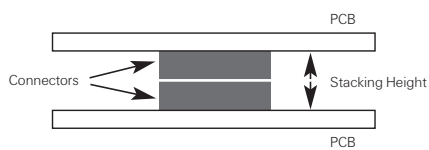
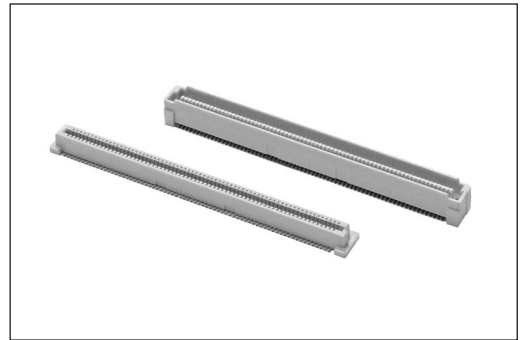
- For parallel board stacking applications
- High density packaging on 0.80mm centreline spacing
- UL approved

Specification:

Housing - High temperature thermoplastic

Contacts - Gold over nickel

Current Rating - 0.5A



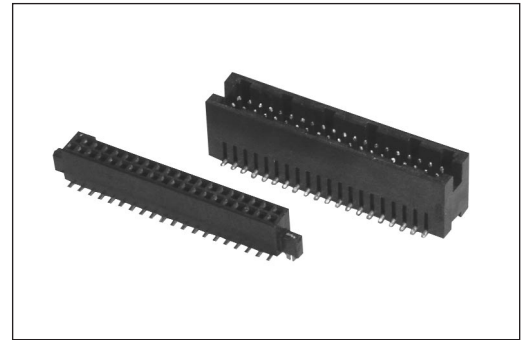
Connector Type	No. of Positions	Mounting Style	Stacking Heights (mm)								Part Number	
			5mm	6mm	7mm	8mm	9mm	10mm	11mm	12mm		
Plug	40	SMT	●					●				5177984-1
Plug	60	SMT	●					●				5177984-2
Plug	80	SMT	●					●				5177984-3
Plug	100	SMT	●					●				5177984-4
Plug	120	SMT	●					●				5177984-5
Plug	140	SMT	●					●				5177984-6
Plug	40	SMT		●					●			5179029-1
Plug	60	SMT		●					●			5179029-2
Plug	80	SMT		●					●			5179029-3
Plug	100	SMT		●					●			5179029-4
Plug	120	SMT		●					●			5179029-5
Plug	140	SMT		●					●			5179029-6
Plug	40	SMT			●					●		5179030-1
Plug	60	SMT			●					●		5179030-2
Plug	80	SMT			●					●		5179030-3
Plug	100	SMT			●					●		5179030-4
Plug	120	SMT			●					●		5179030-5
Plug	140	SMT			●					●		5179030-6
Plug	40	SMT				●					●	5179031-1
Plug	60	SMT				●					●	5179031-2
Plug	80	SMT				●					●	5179031-3
Plug	100	SMT				●					●	5179031-4
Plug	120	SMT				●					●	5179031-5
Plug	140	SMT				●					●	5179031-6
Receptacle	40	SMT	●	●	●	●						5177983-1
Receptacle	60	SMT	●	●	●	●						5177983-2
Receptacle	80	SMT	●	●	●	●						5177983-3
Receptacle	100	SMT	●	●	●	●						5177983-4
Receptacle	120	SMT	●	●	●	●						5177983-5
Receptacle	140	SMT	●	●	●	●						5177983-6
Receptacle	40	SMT						●	●	●	●	5-5179009-1
Receptacle	60	SMT						●	●	●	●	5-5179009-2
Receptacle	80	SMT						●	●	●	●	5-5179009-3
Receptacle	100	SMT						●	●	●	●	5-5179009-4
Receptacle	120	SMT						●	●	●	●	5-5179009-5
Receptacle	140	SMT						●	●	●	●	5-5179009-6

AMPMODU 50/50 Surface Mount Headers & Receptacles

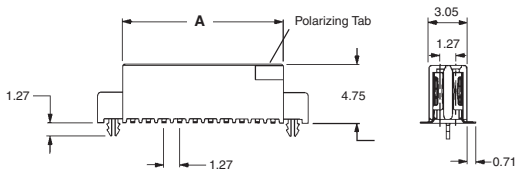
- Choice of three stacking heights
- High density 1.27 x 1.27mm grid
- Non protrusive metal holddowns
- Gold plated dual beam contacts

Specification:

- Housing** - Black thermoplastic
UL 94V-0
- Contacts** - Copper alloy 0.76µm
gold plated
- Current Rating** - 0.5A

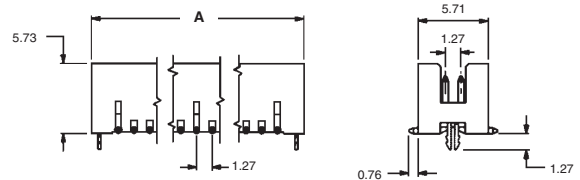


Double Row Receptacles



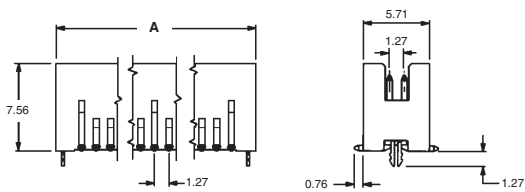
No. of Positions	Dimension A	Part Number
10	6.75	5-104652-1
20	13.11	5-104652-2
30	19.46	5-104652-3
40	25.81	5-104652-4
50	32.16	5-104652-5
80	51.21	5-104652-8
100	63.91	6-104652-0

Double Row Headers - Stack Height 6.35mm



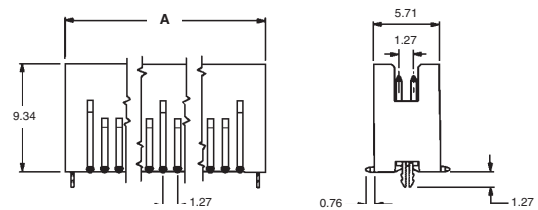
No. of Positions	Dimension A	Part Number
10	9.44	5-104655-1
20	15.79	5-104655-3
30	22.14	5-104655-4
40	28.49	5-104655-5
50	34.84	5-104655-6
80	53.89	5-104655-9
100	66.59	6-104655-1

Double Row Headers - Stack Height 8.13mm



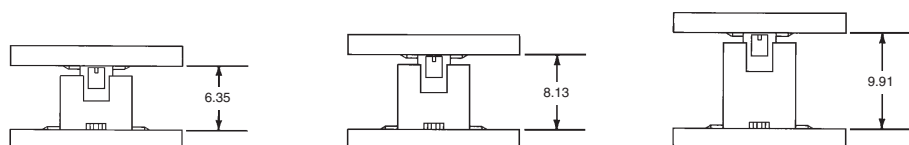
No. of Positions	Dimension A	Part Number
10	9.44	5-104656-1
20	15.79	5-104656-2
30	22.14	5-104656-3
40	28.49	5-104656-4
50	34.84	5-104656-5
80	53.89	5-104656-8
100	66.59	6-104656-0

Double Row Headers - Stack Height 9.91mm



No. of Positions	Dimension A	Part Number
10	9.44	5-104693-1
20	15.79	5-104693-2
30	22.14	5-104693-3
40	28.49	5-104693-4
50	34.84	5-104693-5
80	53.89	5-104693-8
100	66.59	6-104693-0

Three Board Stack Heights

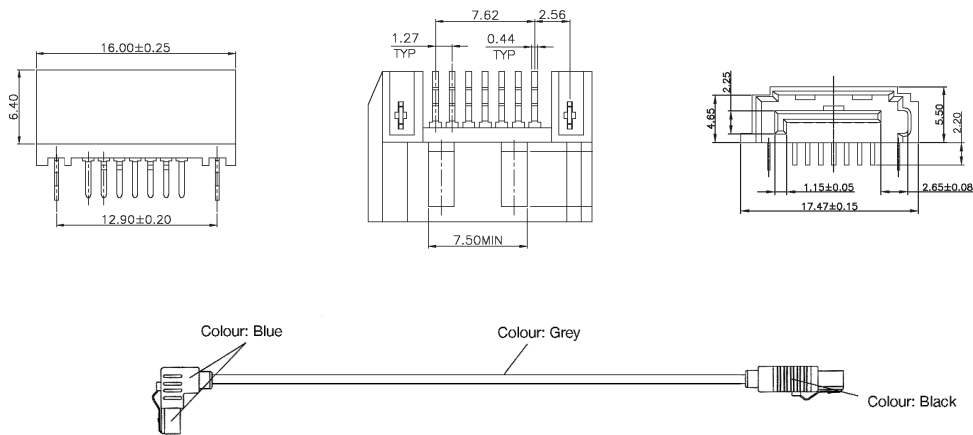
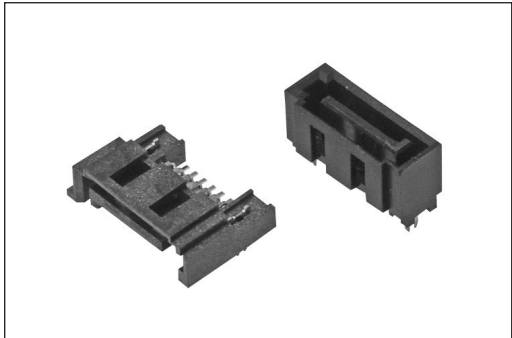


Serial ATA - (SATA) with Latching

- Latest storage interface connection system
- Improves cable routing in cabinet or box
- Increases airflow
- Locking feature prevents cable assembly "walking" off header

Specification:

Housing - LCP
Contacts - 0.38µm gold plating



Serial ATA

Connector Type	No. of Positions	Assembly Length (mm)	Mounting Style	Termination Style	Part Number
PCB Header	7	-	Right Angle	SMT	9-1857291-1
PCB Header	7	-	Right Angle	Through Hole	9-1857290-1
PCB Header	7	-	Vertical	Through Hole	9-1857292-1
Cable Assembly	7	360	-	-	9-1705871-1

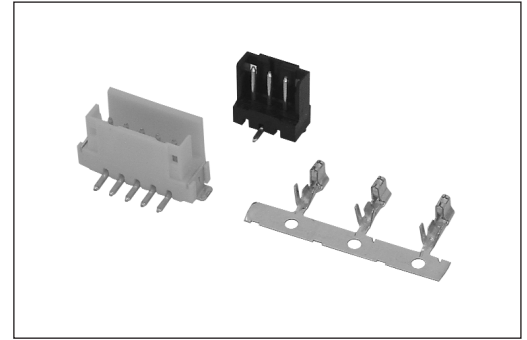
**All products compliant
with the RoHS 2002/95/EC
directive**

CT (Common Termination Connector System)

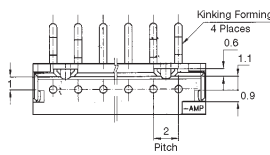
- 2 piece connector system - Header & Socket
- 2mm pitch
- Vertical & right angle headers

Specification:

Housing - UL94V-0, glass filled PBT
Contact - Tin plated phosphor bronze
Current Rating - Up to 4A

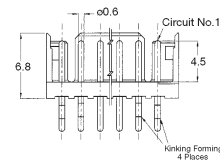


Standard Pin Headers
Right Angle - Through Hole



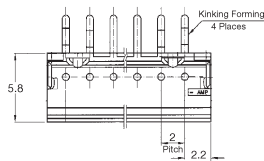
No. of Positions	Part Number
2	292253-2
3	292253-3
4	292253-4
5	292253-5
6	292253-6
7	292253-7
8	292253-8
9	292253-9
10	1-292253-0
11	1-292253-1
12	1-292253-2
13	1-292253-3
14	1-292253-4
15	1-292253-5

Standard Pin Headers
Vertical Mount - Through Hole



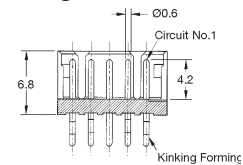
No. of Positions	Part Number
2	292161-2
3	292161-3
4	292161-4
5	292161-5
6	292161-6
7	292161-7
8	292161-8
9	292161-9
10	1-292161-0
11	1-292161-1
12	1-292161-2
13	1-292161-3
14	1-292161-4
15	1-292161-5

Box Type Pin Headers
Right Angle - Through Hole



No. of Positions	Part Number
2	292250-2
3	292250-3
4	292250-4
5	292250-5
6	292250-6
7	292250-7
8	292250-8
9	292250-9
10	1-292250-0
11	1-292250-1
12	1-292250-2
13	1-292250-3
14	1-292250-4
15	1-292250-5

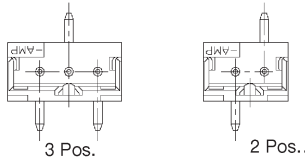
Box Type Pin Headers
Vertical Mount - Through Hole



No. of Positions	Part Number
2	292132-2
3	292132-3
4	292132-4
5	292132-5
6	292132-6
7	292132-7
8	292132-8
9	292132-9
10	1-292132-0
11	1-292132-1
12	1-292132-2
13	1-292132-3
14	1-292132-4
15	1-292132-5

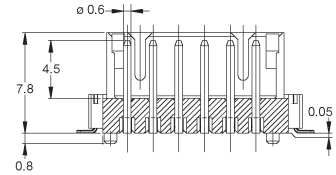
CT (Common Termination Connector System) (continued)

Standard Pin Headers
Vertical Mount - SMT



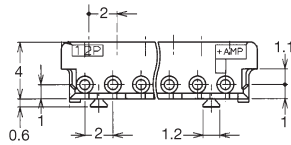
No. of Positions	Part Number
2	292171-2
3	292171-3
4	292171-4
5	292171-5
6	292171-6
7	292171-7
8	292171-8
9	292171-9

Box Type Pin Headers
Vertical Mount - SMT



No. of Positions	Part Number
2	292174-2
3	292174-3
4	292174-4
5	292174-5
6	292174-6
7	292174-7
8	292174-8
9	292174-9

Receptacle Housings



No. of Positions	Part Number
2	179228-2
3	179228-3
4	179228-4
5	179228-5
6	179228-6
7	179228-7
8	179228-8
9	179228-9
10	1-179228-0
11	1-179228-1
12	1-179228-2
13	1-179228-3
14	1-179228-4
15	1-179228-5

Receptacle Contacts

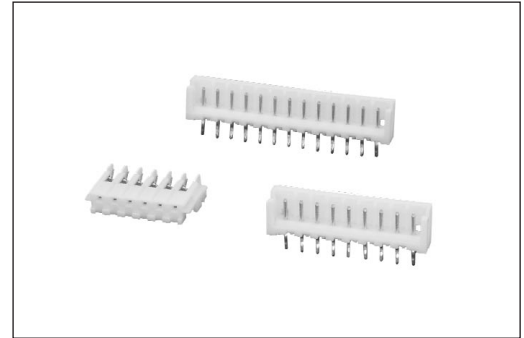
Wire Size AWG (mm ²)	Insulation Diameter (mm)	Reel	Part Number Loose Piece
30-26 (0.05-0.12)	0.65-1.35	179609-1	-
26-22 (0.12-0.35)	0.93-1.50	179227-1	179518-1

HPI (High Performance Interconnect)

- Available in 2.00 & 2.50mm pitch
- Square peg header contact mates with many other industry standard products

Specification:

Housing - Nylon 66, UL94V-0
Contacts - Tin plated
Current Rating - Up to 3A



HPI 2.00mm Pitch - Through Hole

Vertical Mount Pin Header

No. of Positions	Part Number
2	440054-2
5	440054-5
7	440054-7
10	1-440054-0
12	1-440054-2
15	1-440054-5

Right Angle Pin Header

No. of Positions	Part Number
2	440055-2
5	440055-5
7	440055-7
10	1-440055-0
12	1-440055-2
15	1-440055-5

Socket Contact Housing

No. of Positions	Part Number
2	440129-2
5	440129-5
7	440129-7
10	1-440129-0
12	1-440129-2
15	1-440129-5

Socket Contact

Wire Size (AWG)	Part Number
30 - 24	440132-1

HPI 2.50mm Pitch - Through Hole

Vertical Mount Pin Header

No. of Positions	Part Number
2	440052-2
5	440052-5
7	440052-7
10	1-440052-0
12	1-440052-2
15	1-440052-5

Right Angle Pin Header

No. of Positions	Part Number
2	440053-2
5	440053-5
7	440053-7
10	1-440053-0
12	1-440053-2
15	1-440053-5

Socket Contact Housing

No. of Positions	Part Number
2	440133-2
5	440133-5
7	440133-7
10	1-440133-0
12	1-440133-2
15	1-440133-5

Socket Contact

Wire Size (AWG)	Part Number
28 - 22	440134-1

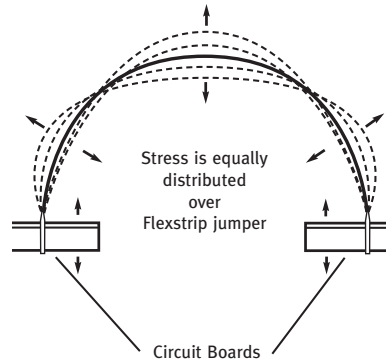
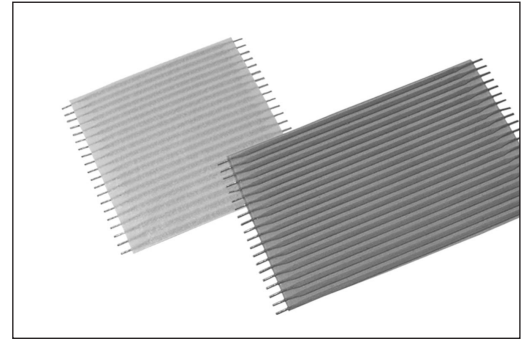
Flexstrip Jumpers

- Multi-conductor board-to-board connection device
- Pre plated, ready to use
- No wire stripping

Specification:

Temperature Range - Up to 150°C

Current Rating - Up to 3A



Nomex™ Insulation Material

Flexstrip Length Inches (mm)	No. of Conductors	Flexstrip Part Number	Tyco Part Number
1" (25.4)	2	FSN-21A-2	8-1437139-3
1" (25.4)	3	FSN-21A-3	9-1437139-7
1" (25.4)	4	FSN-21A-4	1437140-9
1" (25.4)	5	FSN-21A-5	1-1437140-1
1" (25.4)	6	FSN-21A-6	1-1437140-4
1" (25.4)	7	FSN-21A-7	1-1437140-6
1" (25.4)	8	FSN-21A-8	1-1437140-9
1" (25.4)	10	FSN-21A-10	6-1437139-7
2" (50.8)	2	FSN-22A-2	4-1437142-0
2" (50.8)	3	FSN-22A-3	5-1437142-2
2" (50.8)	4	FSN-22A-4	5-1437142-9
2" (50.8)	5	FSN-22A-5	6-1437142-2
2" (50.8)	6	FSN-22A-6	6-1437142-7
2" (50.8)	7	FSN-22A-7	6-1437142-9
2" (50.8)	8	FSN-22A-8	7-1437142-2
2" (50.8)	10	FSN-22A-10	2-1437142-8
3" (76.2)	2	FSN-23A-2	3-1437144-9
3" (76.2)	3	FSN-23A-3	5-1437144-0
3" (76.2)	4	FSN-23A-4	5-1437144-6
3" (76.2)	5	FSN-23A-5	5-1437144-8
3" (76.2)	6	FSN-23A-6	5-1437144-9
3" (76.2)	7	FSN-23A-7	6-1437144-0
3" (76.2)	8	FSN-23A-8	6-1437144-2
3" (76.2)	10	FSN-23A-10	2-1437144-5

Teflon™ Insulation Material

Flexstrip Length Inches (mm)	No. of Conductors	Flexstrip Part Number	Tyco Part Number
1" (25.4)	2	FST-21A-2	3-1437186-4
1" (25.4)	3	FST-21A-3	4-1437186-1
1" (25.4)	4	FST-21A-4	4-1437186-9
1" (25.4)	5	FST-21A-5	5-1437186-0
1" (25.4)	6	FST-21A-6	5-1437186-2
1" (25.4)	7	FST-21A-7	5-1437186-4
1" (25.4)	8	FST-21A-8	5-1437186-5
1" (25.4)	10	FST-21A-10	2-1437186-4
2" (50.8)	2	FST-22A-2	6-1437187-6
2" (50.8)	3	FST-22A-3	7-1437187-7
2" (50.8)	4	FST-22A-4	8-1437187-0
2" (50.8)	5	FST-22A-5	8-1437187-1
2" (50.8)	6	FST-22A-6	8-1437187-2
2" (50.8)	7	FST-22A-7	8-1437187-4
2" (50.8)	8	FST-22A-8	8-1437187-6
2" (50.8)	10	FST-22A-10	5-1437187-6
3" (76.2)	2	FST-23A-2	8-1437188-2
3" (76.2)	3	FST-23A-3	9-1437188-1
3" (76.2)	4	FST-23A-4	9-1437188-6
3" (76.2)	5	FST-23A-5	9-1437188-9
3" (76.2)	6	FST-23A-6	1437189-1
3" (76.2)	7	FST-23A-7	1474492-1
3" (76.2)	8	FST-23A-8	1437189-2
3" (76.2)	10	FST-23A-10	6-1437188-8

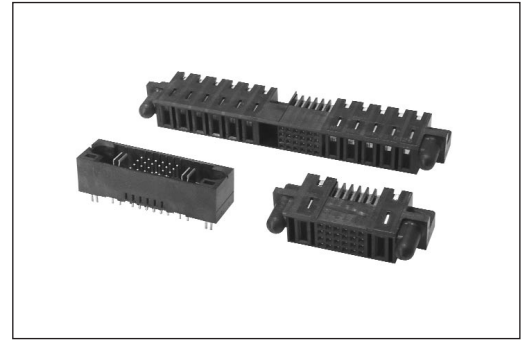
* Nomex and Teflon are Trade Marks of E.I. du Pont de Nemours and company.

Multi-Beam XL Power Distribution Connector System

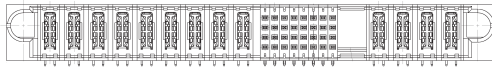
- AC and DC power in the same connector - Meets UL safety requirements
- Current interrupt ratings per UL 1977 - for "Hot-Plug" applications
- Compact Size
- Molded-in guide pins provide blind-mateability
- Low mating and un-mating forces
- Solder or press-fit terminations to PCB

Specification:

- Housing** - High temperature thermo plastic
- Contacts** - 0.76µm gold over nickel
- Current Rating** - Power lines up to 35A
Signal lines up to 1.5A

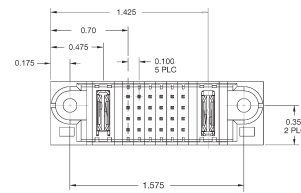


Plug - Right Angle



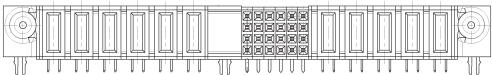
Configuration	Mounting Style	Part Number
1 Power / 24 Signal / 1 Power	Solder	6450330-1
5 Power / 24 Signal / 6 Power	Solder	6450230-1

Plug - Vertical Mount



Configuration	Mounting Style	Part Number
1 Power / 24 Signal / 1 Power	Solder	6450100-5

Receptacle - Right Angle



Configuration	Mounting Style	Part Number
1 Power / 24 Signal / 1 Power	Solder	6450160-3
5 Power / 24 Signal / 6 Power	Solder	6450160-5

Receptacle - Vertical Mount



Configuration	Mounting Style	Part Number
1 Power / 24 Signal / 1 Power	Press-Fit	6450540-1

Product specifications and drawings - enter part number at www.tycoelectronics.com



AMPMODU HV-100 / HV-190 PCB Receptacles

- Single and double row
- Vertical or horizontal mounting
- Gold plated contacts
- Kinked legs with retention feature (HV-100)

Specification:

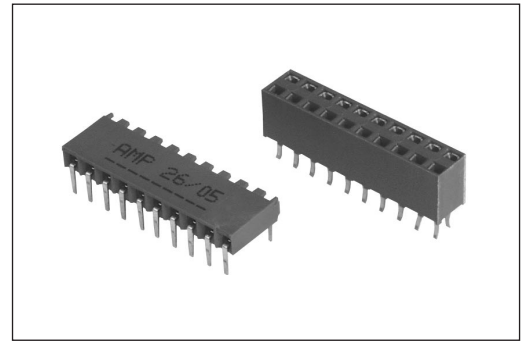
Housing - Green polyester
glass filled UL 94V-0

Contacts - Phosphor bronze

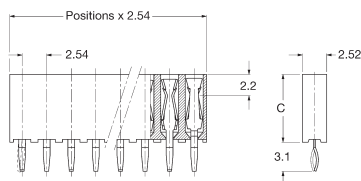
Current Rating - 3A

Mating Connectors:

MOD II Pin Headers - Pages 15 & 16

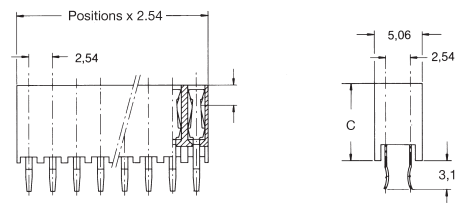


HV-100 Single Row Vertical, Top Entry



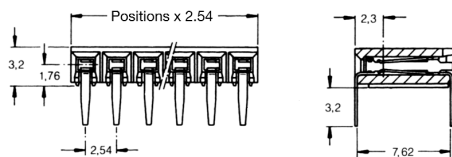
No. of Positions	C = 7.0 Part Number 0.8µm Gold	C = 8.5 Part Number 0.8µm Gold
2	215297-2	215299-2
3	215297-3	215299-3
4	215297-4	215299-4
5	215297-5	215299-5
6	215297-6	215299-6
7	215297-7	215299-7
8	215297-8	215299-8
9	215297-9	215299-9
10	1-215297-0	1-215299-0
12	1-215297-2	1-215299-2
16	1-215297-6	1-215299-6
20	2-215297-0	2-215299-0

HV-100 Double Row Vertical, Top Entry



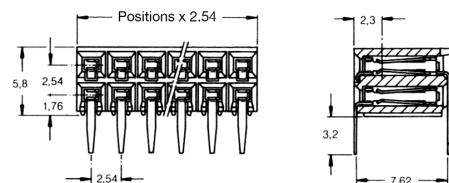
No. of Positions	C = 7.0 Part Number 0.8µm Gold	C = 8.5 Part Number 0.8µm Gold
2 x 2	215307-2	215309-2
2 x 3	215307-3	215309-3
2 x 4	215307-4	215309-4
2 x 5	215307-5	215309-5
2 x 6	215307-6	215309-6
2 x 7	215307-7	215309-7
2 x 8	215307-8	215309-8
2 x 9	215307-9	215309-9
2 x 10	1-215307-0	1-215309-0
2 x 12	1-215307-2	1-215309-2
2 x 16	1-215307-6	1-215309-6
2 x 20	2-215307-0	2-215309-0

HV-190 Single Row Horizontal, Side Entry



No. of Positions	Part Number 0.8µm Gold
2	216602-2
3	216602-3
4	216602-4
5	216602-5
6	216602-6
7	216602-7
8	216602-8
9	216602-9
10	1-216602-0
12	1-216602-2
16	1-216602-6
20	2-216602-0

HV-190 Double Row Horizontal, Side Entry



No. of Positions	Part Number 0.8µm Gold
2 x 2	216604-2
2 x 3	216604-3
2 x 4	216604-4
2 x 5	216604-5
2 x 6	216604-6
2 x 7	216604-7
2 x 8	216604-8
2 x 9	216604-9
2 x 10	1-216604-0
2 x 12	1-216604-2
2 x 16	1-216604-6
2 x 20	2-216604-0

**AMPMODU HV-100 Surface Mount PCB Receptacles
Top or Bottom Entry**

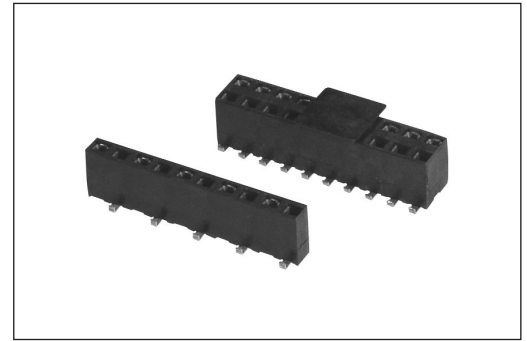
- Single and double row
- Complete with pick & place cap
- Gold plated contacts
- End stackable

Specification:

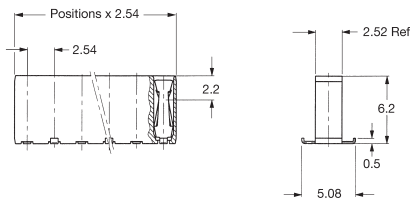
Housing - LCP black UL 94V-0
Contacts - Phosphor bronze
Current Rating - 3A

Mating Connectors:

MOD II Pin Headers - Pages 15 & 16

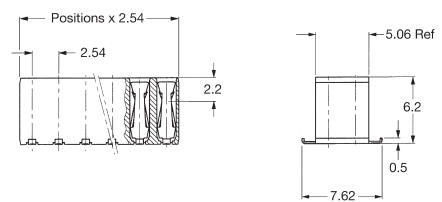


Single Row Vertical



No. of Positions	Part Number 0.8µm Gold
3	1241152-3
4	1241152-4
5	1241152-5
6	1241152-6
7	1241152-7
8	1241152-8
9	1241152-9
10	1-1241152-0
12	1-1241152-2

Double Row Vertical



No. of Positions	Part Number 0.8µm Gold
2 x 2	969973-2
2 x 3	969973-3
2 x 4	969973-4
2 x 5	969973-5
2 x 6	969973-6
2 x 7	969973-7
2 x 8	969973-8
2 x 9	969973-9
2 x 10	1-969973-0
2 x 12	1-969973-2

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AMPMODU MOD II Low Cost Line Breakaway Pin Headers

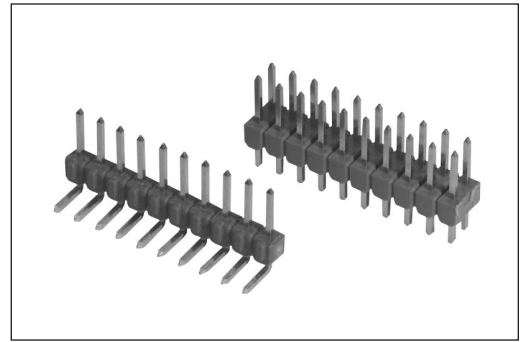
- Single and double row
- Straight or right angle
- Gold or tin plated contacts
- 0.63mm square posts

Specification:

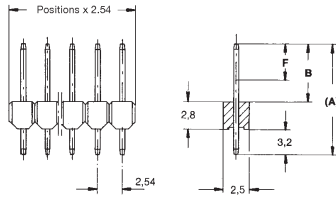
Housing - Green polyester glass filled UL 94V-0
Contacts - Phosphor bronze
Current Rating - 3A

Mating Connectors:

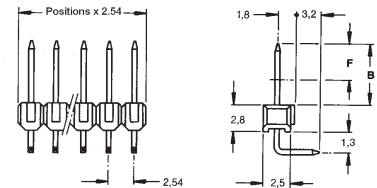
HV100 PCB Receptacles - Pages 13 & 14
 HV190 PCB Receptacles - Page 13
 MOD IV Receptacle Housings - Page 18



Single Row Straight



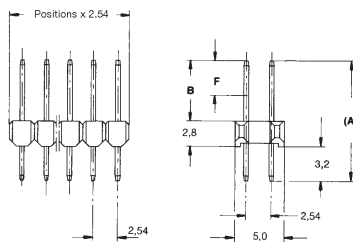
Single Row Right Angle



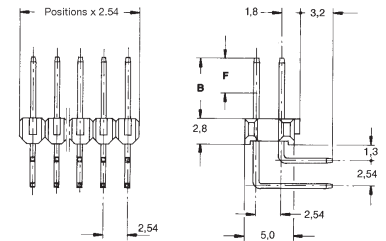
No. of Positions	A = 11.8 B = 5.8 F = 4.4		A = 12.7 B = 6.7 F = 4.4	
	0.8µm Gold	Tin	0.8µm Gold	Tin
2	826646-2	826936-2	826629-2	826926-2
3	826646-3	826936-3	826629-3	826926-3
4	826646-4	826936-4	826629-4	826926-4
5	826646-5	826936-5	826629-5	826926-5
6	826646-6	826936-6	826629-6	826926-6
7	826646-7	826936-7	826629-7	826926-7
8	826646-8	826936-8	826629-8	826926-8
9	826646-9	826936-9	826629-9	826926-9
10	1-826646-0	1-826936-0	1-826629-0	1-826926-0
12	1-826646-2	1-826936-2	1-826629-2	1-826926-2
16	1-826646-6	1-826936-6	1-826629-6	1-826926-6
20	2-826646-0	2-826936-0	2-826629-0	2-826926-0
50	5-826646-0	5-826936-0	5-826629-0	5-826926-0

No. of Positions	B = 5.8 F = 4.4		B = 6.7 F = 4.4	
	0.8µm Gold	Tin	0.8µm Gold	Tin
2	826652-2	826949-2	826631-2	826947-2
3	826652-3	826949-3	826631-3	826947-3
4	826652-4	826949-4	826631-4	826947-4
5	826652-5	826949-5	826631-5	826947-5
6	826652-6	826949-6	826631-6	826947-6
7	826652-7	826949-7	826631-7	826947-7
8	826652-8	826949-8	826631-8	826947-8
9	826652-9	826949-9	826631-9	826947-9
10	1-826652-0	1-826949-0	1-826631-0	1-826947-0
12	1-826652-2	1-826949-2	1-826631-2	1-826947-2
16	1-826652-6	1-826949-6	1-826631-6	1-826947-6
20	2-826652-0	2-826949-0	2-826631-0	2-826947-0
50	5-826652-0	5-826949-0	5-826631-0	5-826947-0

Double Row Straight



Double Row Right Angle



No. of Positions	A = 11.8 B = 5.8 F = 4.4		A = 12.7 B = 6.7 F = 5.5	
	0.8µm Gold	Tin	0.8µm Gold	Tin
2 x 2	826656-2	826942-2	826632-2	826925-2
2 x 3	826656-3	826942-3	826632-3	826925-3
2 x 4	826656-4	826942-4	826632-4	826925-4
2 x 5	826656-5	826942-5	826632-5	826925-5
2 x 6	826656-6	826942-6	826632-6	826925-6
2 x 7	826656-7	826942-7	826632-7	826925-7
2 x 8	826656-8	826942-8	826632-8	826925-8
2 x 9	826656-9	826942-9	826632-9	826925-9
2 x 10	1-826656-0	1-826942-0	1-826632-0	1-826925-0
2 x 12	1-826656-2	1-826942-2	1-826632-2	1-826925-2
2 x 16	1-826656-6	1-826942-6	1-826632-6	1-826925-6
2 x 20	2-826656-0	2-826942-0	2-826632-0	2-826925-0
2 x 50	5-826656-0	5-826942-0	5-826632-0	5-826925-0

No. of Positions	B = 5.8 F = 4.4		B = 6.7 F = 5.5	
	0.8µm Gold	Tin	0.8µm Gold	Tin
2 x 2	826662-2	826955-2	826634-2	826953-2
2 x 3	826662-3	826955-3	826634-3	826953-3
2 x 4	826662-4	826955-4	826634-4	826953-4
2 x 5	826662-5	826955-5	826634-5	826953-5
2 x 6	826662-6	826955-6	826634-6	826953-6
2 x 7	826662-7	826955-7	826634-7	826953-7
2 x 8	826662-8	826955-8	826634-8	826953-8
2 x 9	826662-9	826955-9	826634-9	826953-9
2 x 10	1-826662-0	1-826955-0	1-826634-0	1-826953-0
2 x 12	1-826662-2	1-826955-2	1-826634-2	1-826953-2
2 x 16	1-826662-6	1-826955-6	1-826634-6	1-826953-6
2 x 20	2-826662-0	2-826955-0	2-826634-0	2-826953-0
2 x 50	5-826662-0	5-826955-0	5-826634-0	5-826953-0

AMPMODU MOD II Surface Mount Breakaway Pin Headers

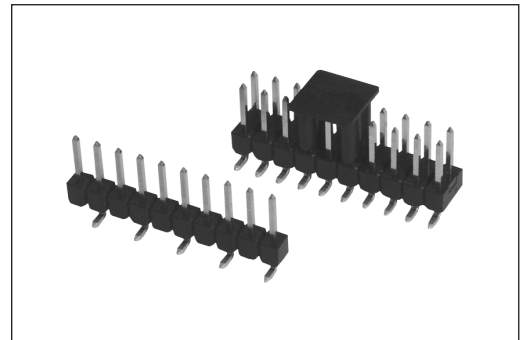
- Single and double row
- Complete with pick & place cap
- Gold plated contacts
- 0.63mm square posts

Specification:

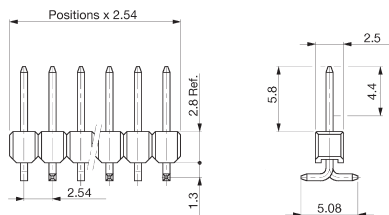
- Housing and Pick & Place Cap** - PCT GV Black
- Contacts** - Phosphor bronze
- Current Rating** - 3A

Mating Connectors:

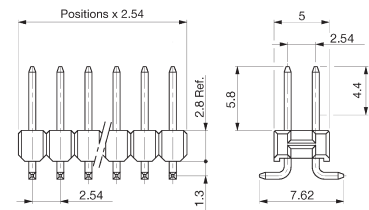
- HV100 PCB Receptacles - Pages 13 & 14
- HV190 PCB Receptacles - Page 13
- MOD IV Receptacle Housings - Page 18



Single Row Straight



Double Row Straight



No. of Positions	Part Number 0.8µm Gold
3	1241150-3
4	1241150-4
5	1241150-5
6	1241150-6
7	1241150-7
8	1241150-8
9	1241150-9
10	1-1241150-0
12	1-1241150-2

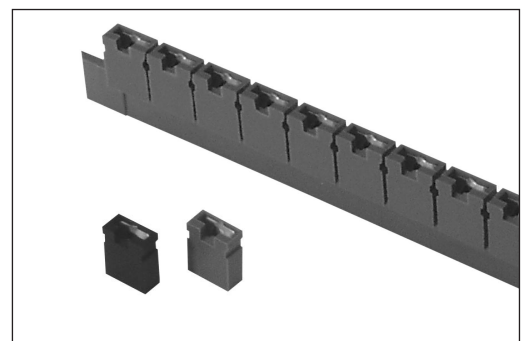
No. of Positions	Part Number 0.8µm Gold
2 x 2	1241050-2
2 x 3	1241050-3
2 x 4	1241050-4
2 x 5	1241050-5
2 x 6	1241050-6
2 x 7	1241050-7
2 x 8	1241050-8
2 x 9	1241050-9
2 x 10	1-1241050-0
2 x 12	1-1241050-2

AMPMODU MOD IV Shunt Connector

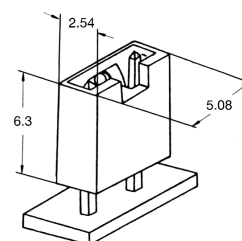
- Open top design allows in-circuit testing
- Suitable for 0.63mm square post pin headers
- Available loose or in strips
- Gold or tin plated contacts

Specification:

- Housing** - Thermoplastic polyester
UL 94V-0
- Contacts** - Beryllium copper



Packaging	Part Number	
	0.4µm Gold (Green)	Tin (Black)
Strip Form	142270-1	142270-3
Loose Piece	827914-1	827914-3



AMPMODU MOD II Economy Line Breakaway Pin Headers

- Single and double row
- With retention feature when used with MOD IV receptacle housings
- Gold plated contacts
- 0.63mm square posts

Specification:

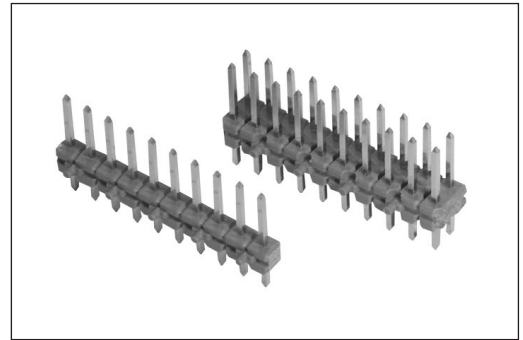
Housing - Green polyester
glass filled UL 94V-0

Contacts - Phosphor bronze

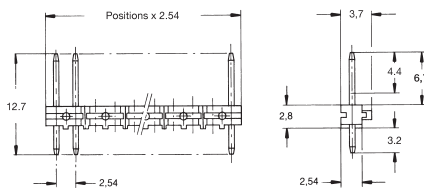
Current Rating - 3A

Mating Connectors:

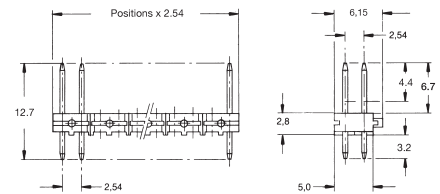
MOD IV Receptacle Housings - Page 18



**Single Row
Straight**



**Double Row
Straight**



No. of Positions	Part Number 0.8µm Gold
2	825433-2
3	825433-3
4	825433-4
5	825433-5
6	825433-6
7	825433-7
8	825433-8
10	1-825433-0
50	5-825433-0

No. of Positions	Part Number 0.8µm Gold
2 x 2	825440-2
2 x 3	825440-3
2 x 4	825440-4
2 x 5	825440-5
2 x 6	825440-6
2 x 7	825440-7
2 x 8	825440-8
2 x 10	1-825440-0
2 x 50	5-825440-0

**Search Distributor
Inventory at
www.tycoelectronics.com**



AMPMODU MOD IV Receptacle Housings and MOD IV / V Receptacle Contacts

- Single and double row
- With or without strain relief feature
- Gold or tin plated crimp snap-in contacts

Specification:

Housing - Green polyimide
UL 94V-HB

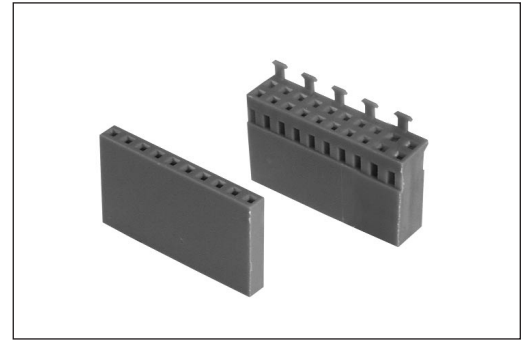
Contacts - Phosphor bronze

Current Rating - 3A

Mating Connectors:

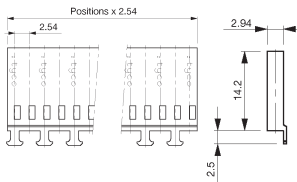
With strain relief -
MOD II Pin Headers - Page 17

Without strain relief -
MOD II Pin Headers - Pages 15 & 16

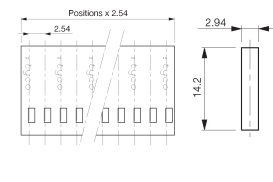


Single Row

with Strain Relief

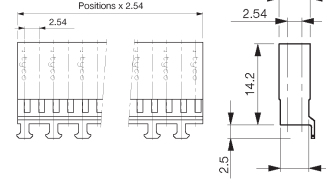


without Strain Relief

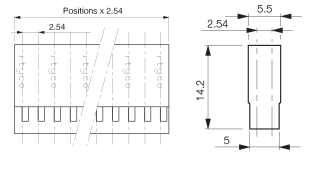


Double Row

with Strain Relief



without Strain Relief



No. of Positions	Part Number	
	With Strain Relief	Without Strain Relief
2	925369-2	925366-2
3	925369-3	925366-3
4	925369-4	925366-4
5	925369-5	925366-5
6	925369-6	925366-6
7	925369-7	925366-7
8	925369-8	925366-8
10	1-925369-0	1-925366-0
Keying Plug	926519-2	

No. of Positions	Part Number	
	With Strain Relief	Without Strain Relief
2 x 2	925370-2	925367-2
2 x 3	925370-3	925367-3
2 x 4	925370-4	925367-4
2 x 5	925370-5	925367-5
2 x 6	925370-6	925367-6
2 x 7	925370-7	925367-7
2 x 8	925370-8	925367-8
2 x 10	1-925370-0	1-925367-0
Keying Plug	926519-2	

MOD IV Crimp Snap-in Contacts - Standard Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number 0.8µm Gold
0.2 - 0.56	24 - 20	1.4	Tape and Reel	167300-6
0.14 - 0.12*	26		Loose Piece	141603-3

MOD IV Crimp Snap-in Contacts - Intermediate Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.8µm Gold	Tin
0.032 - 0.09	32 - 28	1.2	Tape and Reel	167021-2	167021-3
			Loose Piece	167024-2	167024-3
0.2 - 0.56	24 - 20	1.4	Tape and Reel	167301-4	2-167301-2
			Loose Piece	141708-1	1-141708-1

MOD V Crimp Snap-in Contacts - High Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.8µm Gold	Tin
0.2 - 0.56	24 - 20	1.4	Tape and Reel	166309-2	166309-3
			Loose Piece	166310-2	166310-3

* Contact Tyco Electronics for this wire size range

AMPMODU MOD IV Receptacle Housings

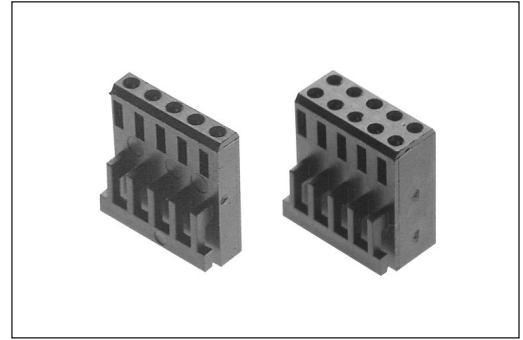
- Single and double row
- Built-in polarisation
- Accepts MOD IV / V Crimp Snap-in Contacts (page 18)

Specification:

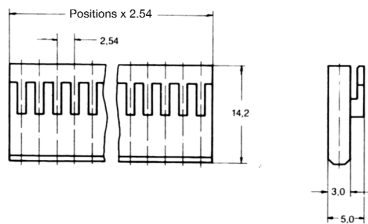
Housing - Polyester (PBT), black
glass fibre filled

Mating Connectors:

MOD II Shrouded Headers - Page 20

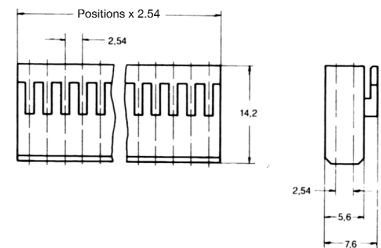


Single Row



No. of Positions	Part Number
3	926475-3
4	926475-4
5	926475-5
6	926475-6
8	926475-8
10	1-926475-0

Double Row



No. of Positions	Part Number
2 x 3	926476-3
2 x 4	926476-4
2 x 5	926476-5
2 x 6	926476-6
2 x 8	926476-8
2 x 10	1-926476-0

Accessories

	Colour	Part Number
Retention Plug with Strain Relief	Black	926478-1
	Red	926478-3
Keying Plug	Black	926498-1
	Red	926498-3

*Find application tooling at
www.tooling.tycoelectronics.com*

See page 138 for details



AMPMODU MOD II Surface Mount Compatible Shrouded Headers

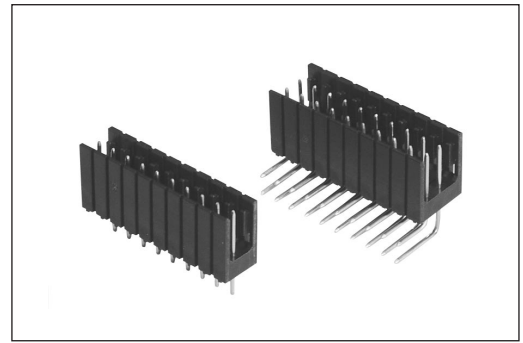
- Single and double row
- Straight or right angle
- Gold plated contacts
- SMT process compatible

Specification:

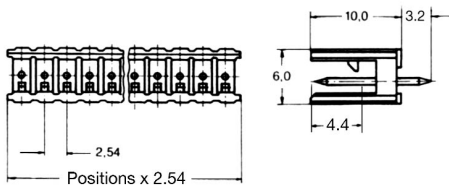
Housing - High temp. Polyester (PCT), black
Contacts - Phosphor bronze
Current Rating - 3A

Mating Connectors:

MOD IV Receptacle Housings - Page 19

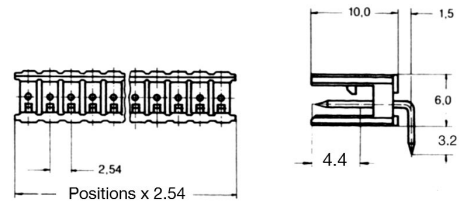


Single Row Straight



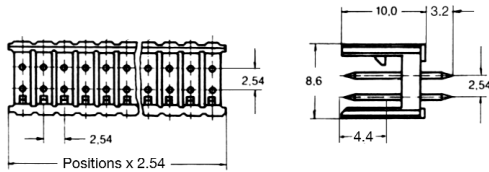
No. of Positions	Part Number 0.8µm Gold
3	826467-3
4	826467-4
5	826467-5
6	826467-6
8	826467-8
10	1-826467-0

Single Row Right Angle



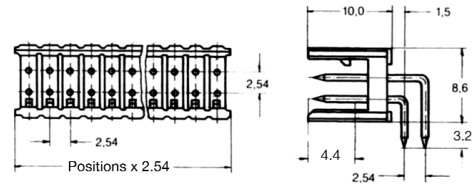
No. of Positions	Part Number 0.8µm Gold
3	826468-3
4	826468-4
5	826468-5
6	826468-6
8	826468-8
10	1-826468-0

Double Row Straight



No. of Positions	Part Number 0.8µm Gold
2 x 3	826469-3
2 x 4	826469-4
2 x 5	826469-5
2 x 6	826469-6
2 x 8	826469-8
2 x 10	1-826469-0

Double Row Right Angle



No. of Positions	Part Number 0.8µm Gold
2 x 3	826470-3
2 x 4	826470-4
2 x 5	826470-5
2 x 6	826470-6
2 x 8	826470-8
2 x 10	1-826470-0

AMPMODU MOD II Receptacle Housings and Contacts

- Single and double row
- Built-in polarisation and latching
- Gold or tin plated crimp snap-in contacts

Specification:

Housing - Black thermoplastic
UL 94V-1

Contacts - Phosphor bronze

Current Rating - 3A

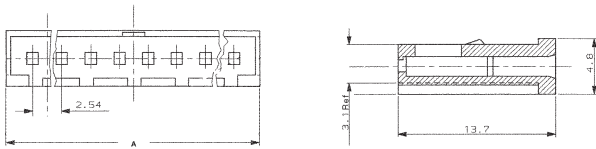
Mating Connectors:

MOD II Pin Housings - Page 23

MOD II Shrouded Headers - Page 22

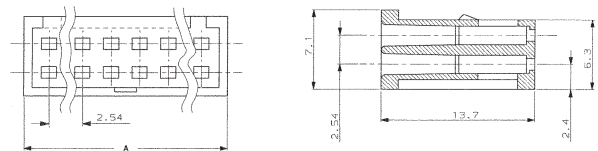


Single Row



No. of Positions	Dimension A	Part Number
2	7.1	280358
4	12.2	280359
6	17.3	280360
8	22.3	280361
10	27.4	280362
15	40.1	280363
Keying Plug		87077-2

Double Row



No. of Positions	Dimension A	Part Number
2x4	12.2	280365
2x8	22.3	280366
2x12	32.5	280515
2x15	40.1	280368
Keying Plug		87077-2

Crimp Snap-In Contacts

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.4µm Gold	Tin
0.32 - 0.13	22 - 26	0.90 - 1.55	Tape and Reel	280530-1	280708-2*
			Loose Piece	181270-1	182206-2*

* With high contact pressure

**All products compliant
with the RoHS 2002/95/EC
directive**

AMPMODU MOD II Shrouded Headers

- Single and double row
- Straight or right angle
- Built-in polarisation and latching
- Gold or tin plated contacts
- 0.63mm square posts

Specification:

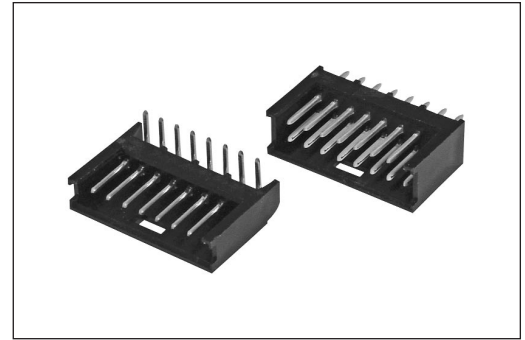
Housing - Black thermoplastic
UL 94V-0

Contacts - Brass (gold plating) or
phosphor bronze (tin plating)

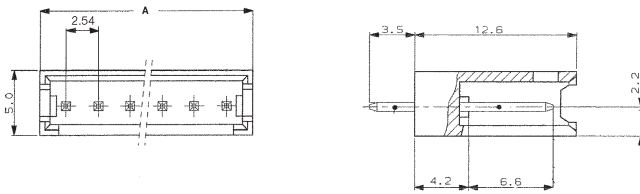
Current Rating - 3A

Mating Connectors:

MOD II Receptacle Housings - Page 21

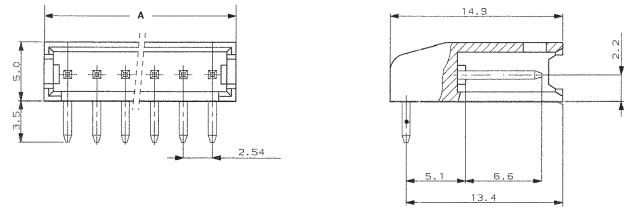


Single Row Straight



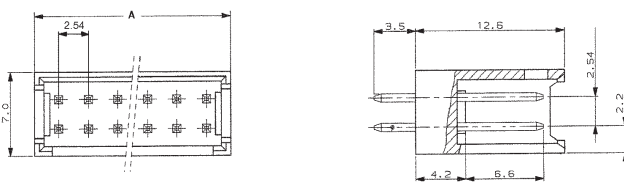
No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2	7.7	280370-2	280370-1
4	12.7	280371-2	280371-1
6	17.8	280372-2	280372-1
8	22.9	280373-2	280373-1
10	28.0	280374-2	280374-1
15	40.7	280375-2	280375-1

Single Row Right Angle



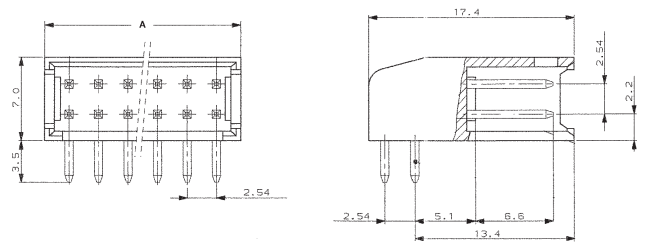
No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2	7.7	280377-2	280377-1
4	12.7	280378-2	280378-1
6	17.8	280379-2	280379-1
8	22.9	280380-2	280380-1
10	28.0	280381-2	280381-1
15	40.7	280382-2	280382-1

Double Row Straight



No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2 x 4	12.7	280384-2	280384-1
2 x 8	22.9	280385-2	280385-1
2 x 12	33.1	280521-2	280521-1
2 x 15	40.7	280387-2	280387-1

Double Row Right Angle



No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2 x 4	12.7	280389-2	280389-1
2 x 8	22.9	280390-2	280390-1
2 x 12	33.1	280522-2	280522-1
2 x 15	40.7	280392-2	280392-1

AMPMODU MOD II Pin Housings and Contacts

- Single and double row
- Built-in polarisation and latching
- Gold or tin plated crimp snap-in contacts

Specification:

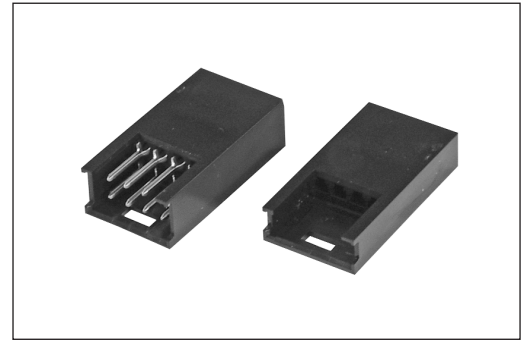
Housing - Black thermoplastic
UL 94V-1

Contacts - Phosphor bronze

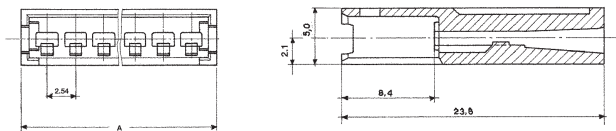
Current Rating - 3A

Mating Connectors:

MOD II Receptacle Housings - Page 21

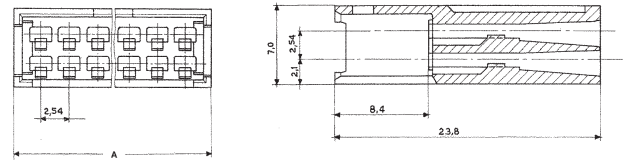


Single Row



No. of Positions	Dimension A	Part Number
2	7.4	280628
4	12.5	280629
6	17.5	280630
8	22.6	280631
10	27.7	280633
15	40.4	280635

Double Row



No. of Positions	Dimension A	Part Number
2x4	12.5	280637
2x8	22.6	280638
2x12	32.8	280640

Crimp Snap-In Contacts

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.4µm Gold	Tin
0.32 - 0.13	22 - 26	0.90 - 1.55	Tape and Reel	86557-6	1-86557-9
			Loose Piece	86561-6	1-86561-0

AMPMODU Locking Clip Receptacle Housings & Contacts

- Single and double row
- Self retaining contact system
- Rapid installation to 0.63mm square posts
- Gold or tin plated crimp snap-in contacts

Specification:

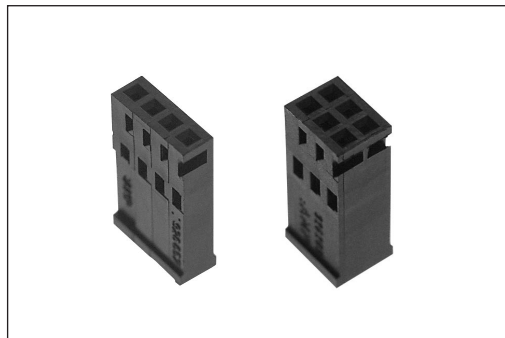
Housing - Thermoplastic Polyester
GV, black UL 94V-0

Contacts - Phosphor bronze

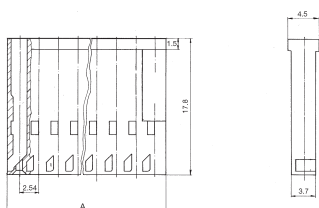
Current Rating - 3A

Mating Connectors:

MOD II Pin Headers - Pages 15 & 16

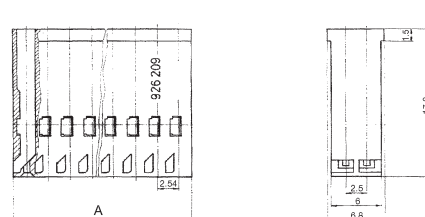


Single Row



No. of Positions	Dimension A	Part Number
1	2.9	926010-1
2	5.5	926657-2
3	8.1	926657-3
4	10.6	926657-4
5	13.2	926657-5
6	15.7	926657-6
Keying Plug		926329-1

Double Row



No. of Positions	Dimension A	Part Number
2 x 2	5.5	926209-2
2 x 3	8.1	926209-3
2 x 4	10.6	926209-4
2 x 5	13.2	926209-5
2 x 6	15.7	926209-6
Keying Plug		926329-1

Crimp Snap-in Contacts

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.8µm Gold	Tin
0.12 - 0.40	26 - 22	1.0 - 1.6	Tape and Reel	87124-1	5-87124-2
			Loose Piece	87165-1	5-87165-2
0.5 - 0.6	20	1.0 - 1.6	Tape and Reel	867052-2	5-867052-1

Find application tooling at
www.tooling.tycoelectronics.com

See page 138 for details

HE 14 Receptacle Housings and Contacts

- Single and double row
- Tin plated contacts
- Compliant with CEI IEC603-8

Specification:

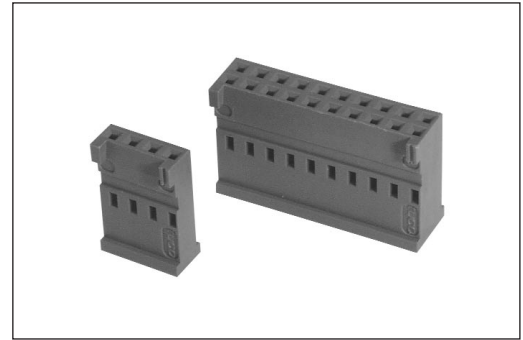
Housing - Blue glass filled polyester UL 94V-0

Contacts - Phosphor bronze

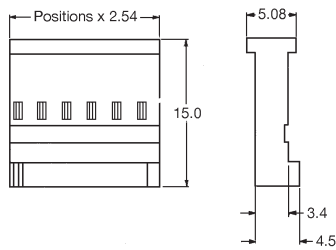
Current Rating - 3A

Mating Connectors:

HE 14 Shrouded Headers - Page 26

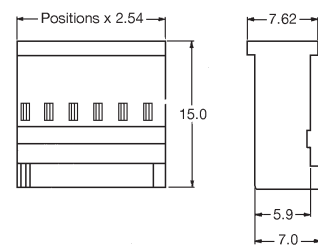


Single Row



No. of Positions	Part Number
3	281838-3
4	281838-4
5	281838-5
6	281838-6
8	281838-8
10	1-281838-0
12	1-281838-2

Double Row



No. of Positions	Part Number
3	281839-3
4	281839-4
5	281839-5
6	281839-6
8	281839-8
10	1-281839-0
12	1-281839-2

Crimp Snap-in Contacts

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number Tin
0.22 - 0.08	24 - 28	1.5 - 0.8	Tape and Reel	188744-1
			Loose Piece	182734-2

HE 14 Shrouded Headers

- Single and double row
- Straight or right angle
- Tin plated contacts
- Compliant with CEI IEC603-8
- 0.63 x 0.63mm posts

Specification:

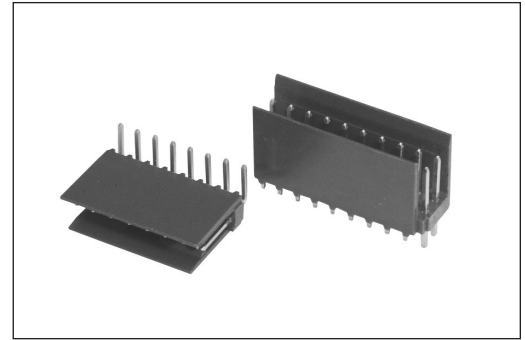
Housing - Blue glass filled polyester UL 94V-0

Contacts - Phosphor bronze

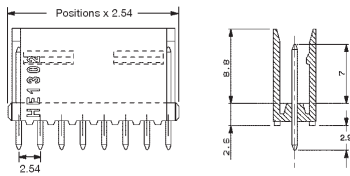
Current Rating - 3A

Mating Connectors:

HE 14 Receptacle Housings - Page 25

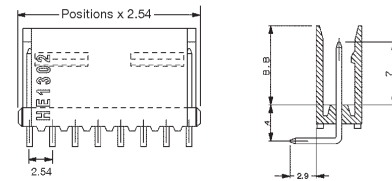


Single Row Straight



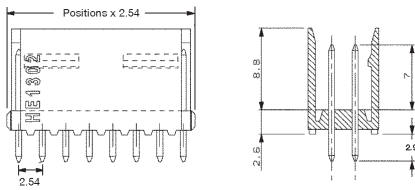
No. of Positions	Part Number
3	281695-3
4	281695-4
5	281695-5
6	281695-6
8	281695-8
10	1-281695-0
12	1-281695-2

Single Row Right Angle



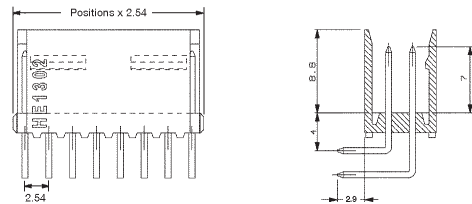
No. of Positions	Part Number
3	281698-3
4	281698-4
5	281698-5
6	281698-6
8	281698-8
10	1-281698-0
12	1-281698-2

Double Row Straight



No. of Positions	Part Number
2 x 3	281739-3
2 x 4	281739-4
2 x 5	281739-5
2 x 6	281739-6
2 x 8	281739-8
2 x 10	1-281739-0
2 x 12	1-281739-2

Double Row Right Angle



No. of Positions	Part Number
2 x 3	281742-3
2 x 4	281742-4
2 x 5	281742-5
2 x 6	281742-6
2 x 8	281742-8
2 x 10	1-281742-0
2 x 12	1-281742-2

CST-100 II Receptacle Housings & Contacts

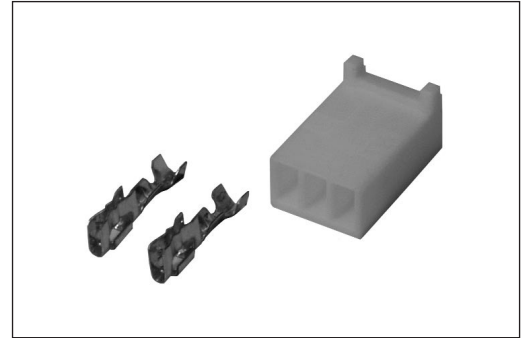
- Plastic latching feature in housing helps prevent contact backout
- Wide wire range for single contact (22 - 26 AWG)
- Low cost wire-to-board interconnections
- Mates with specified MTA notched headers

Specification:

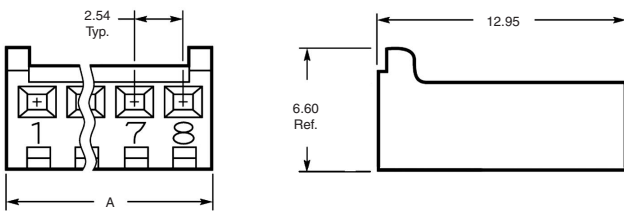
Housing - Nylon, white, UL94V-0
Contacts - Phosphor bronze
Current Rating - 4A max

Mating Connectors:

MTA-100 Headers - Page 29

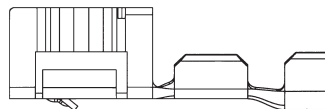


CST-100 II Housings



No. of Positions	Dimension A	Part Number	Comments
2	5.59	1375820-2	Can replace 770602-2
3	8.13	1375820-3	Can replace 770602-3
4	10.67	1375820-4	Can replace 770602-4
5	13.21	1375820-5	Can replace 770602-5
6	15.75	1375820-6	Can replace 770602-6
8	20.83	1375820-8	Can replace 770602-8
9	23.37	1375820-9	Can replace 770602-9
10	25.91	1-1375820-0	Can replace 1-770602-0
12	30.99	1-1375820-2	Can replace 1-770602-2

CST-100 II Crimp Snap-In Contacts



Plating	Packaging	Part Number Contact	Comments
Tin	Strip	1375819-1	Can replace 770601-1
	Loose Piece	1445336-1	Can replace 770666-1
Gold	Strip	1375819-3	Can replace 770601-2
	Loose Piece	1445336-3	Can replace 770666-2

MTA-100 IDC Connector Receptacles

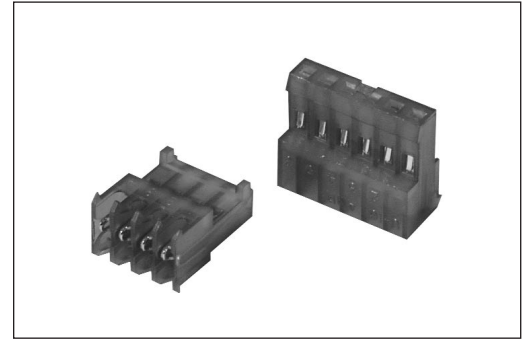
- Connectors preloaded with IDC contacts
- Connectors are end-to-end stackable
- Wire sizes 22, 24 & 26 AWG
- Molded ribs on housings do not allow reverse mating
- Rated to 250 Vac and 5A max

Specification:

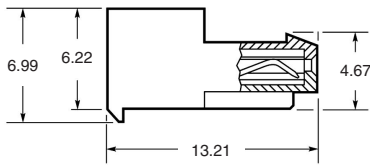
Housing - Nylon, UL94V-2 rated
Contacts - Phosphor bronze, tin plated

Mating Connectors:

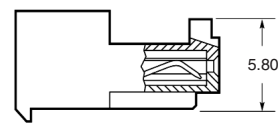
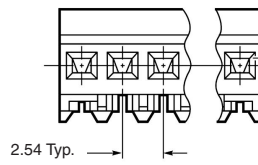
MTA-100 IDC Posted Connectors - Page 30
 MTA-100 Headers - Page 29



Closed End Connectors



Without polarizing tabs



With polarizing tabs

Number of Positions	Wire Size AWG	Part Number	
		Closed End Without Tabs	Closed End With Tabs
2	22	3-640440-2	
	24	3-640441-2	3-643814-2
	26	3-640442-2	
3	22	3-640440-3	
	24	3-640441-3	3-643814-3
	26	3-640442-3	
4	22	3-640440-4	
	24	3-640441-4	3-643814-4
	26	3-640442-4	
5	22	3-640440-5	
	24	3-640441-5	3-643814-5
	26	3-640442-5	
6	22	3-640440-6	
	24	3-640441-6	3-643814-6
	26	3-640442-6	
7	22	3-640440-7	
	24	3-640441-7	3-643814-7
	26	3-640442-7	
8	22	3-640440-8	
	24	3-640441-8	3-643814-8
	26	3-640442-8	
10	22	4-640440-0	
	24	4-640441-0	4-643814-0
	26	4-640442-0	
12	22	4-640440-2	
	24	4-640441-2	4-643814-4
	26	4-640442-2	

Colour coding by wire size

- 26 AWG - Blue
- 24 AWG - White
- 22 AWG - Red

MTA-100 Headers

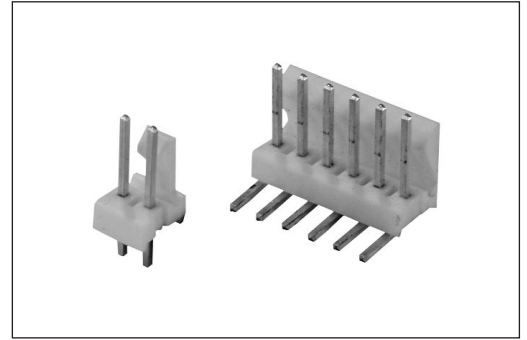
- Headers are end-to-end stackable
- Suitable for 1.57mm PCB thickness
- 0.64mm square post

Specification:

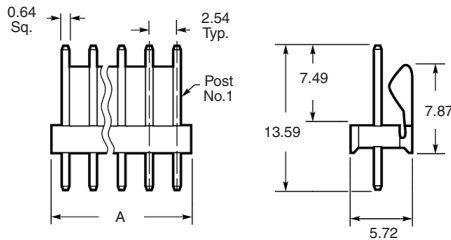
Housing - Polyester white, UL94V-0
Contacts - Copper alloy, tin plated

Mating Connectors:

MTA-100 IDC Receptacles - Page 28
CST-100 II Receptacle Housings - Page 27

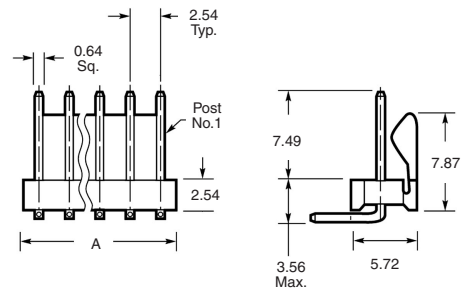


Straight



No. of Positions	Part Number Friction Lock Square Post
2	640456-2
3	640456-3
4	640456-4
5	640456-5
6	640456-6
7	640456-7
8	640456-8
10	1-640456-0
12	1-640456-2

Right Angle



No. of Positions	Part Number Friction Lock Square Post
2	640457-2
3	640457-3
4	640457-4
5	640457-5
6	640457-6
7	640457-7
8	640457-8
10	1-640457-0
12	1-640457-2

Product specifications and drawings - enter part number at www.tycoelectronics.com



MTA-100 IDC Posted Connectors

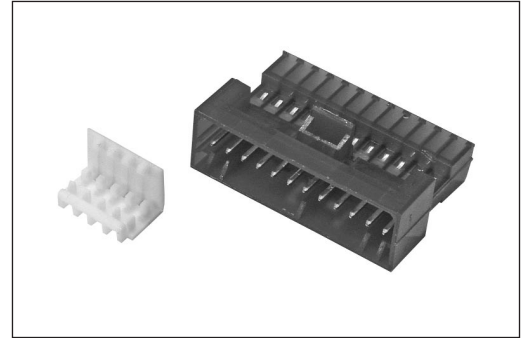
- Wire-to-post connectors preloaded with dual beam contacts
- Contacts are lubricated for fretting corrosion protection

Specification:

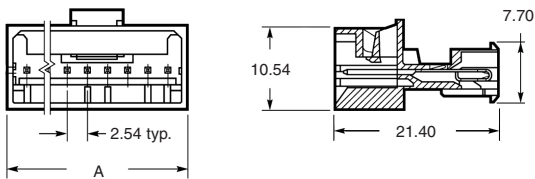
Housing - UL94V-2, Blue nylon
Contacts - Copper alloy, tin plated
Covers - Nylon, white UL94V-2

Mating Connectors:

MTA-100 IDC Receptacles - Page 28



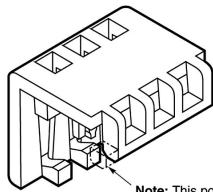
Posted Connectors (Wire-to-Wire) - Closed End



No. of Positions	Wire Size AWG	Dimension A	Part Number
2	26	7.62	3-647002-2
3	26	10.16	3-647002-3
4	26	12.70	3-647002-4
5	26	15.24	3-647002-5
6	26	17.78	3-647002-6
7	26	20.32	3-647002-7
8	26	22.86	3-647002-8
10	26	27.94	4-647002-0
12	26	33.02	4-647002-2

Accessories - Covers

Closed End Strain Relief Covers



Note: This portion of the front locking bar may or may not be present.

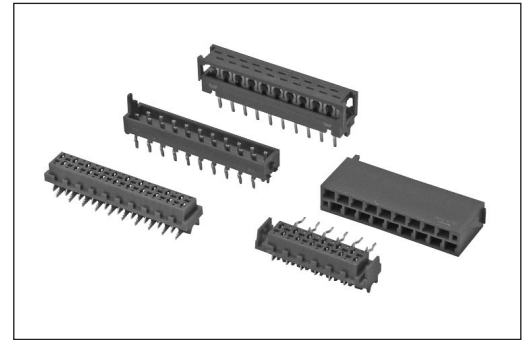
No. of Positions	Part Number
2	643075-2
3	643075-3
4	643075-4
5	643075-5
6	643075-6
7	643075-7
8	643075-8
10	1-643075-0
12	1-643075-2

MicroMatch Connectors

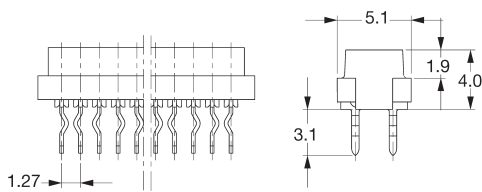
- One of the smallest 1.27mm ribbon cable systems
- High performance / cost ratio
- Tin plated contact design
- Fretting corrosion proof due to unique contact design

Specification:

Housing - UL94V-0 rated
Contacts - Tin plated
Current Rating - 1.5A

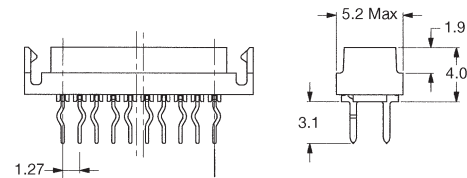


Female-on-Board - Top Entry, Through Hole



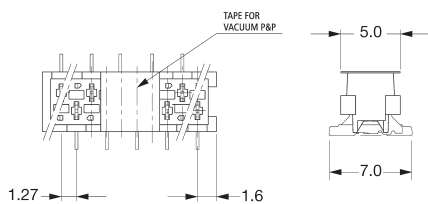
No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	2-15079-4	7-215079-4
6	2-15079-6	7-215079-6
8	2-15079-8	7-215079-8
10	1-215079-0	8-215079-0
12	1-215079-2	8-215079-2
14	1-215079-4	8-215079-4
16	1-215079-6	8-215079-6
18	1-215079-8	8-215079-8
20	2-215079-0	9-215079-0

Female-on-Board - Top Entry, Through Hole With Locking Latches



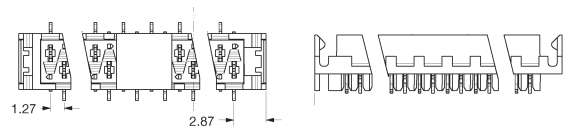
No. of Positions	Part Number
	Reel of 2500
4	338068-4
6	338068-6
8	338068-8
10	1-338068-0
12	1-338068-2
14	1-338068-4
16	1-338068-6
18	1-338068-8
20	2-338068-0

Female-on-Board - Top Entry, SMT



No. of Positions	Part Number	
	Without Tape	With Tape for Vacuum P&P
4	188275-4	7-188275-4
6	188275-6	7-188275-6
8	188275-8	7-188275-8
10	1-188275-0	8-188275-0
12	1-188275-2	8-188275-2
14	1-188275-4	8-188275-4
16	1-188275-6	8-188275-6
18	1-188275-8	8-188275-8
20	2-188275-0	9-188275-0

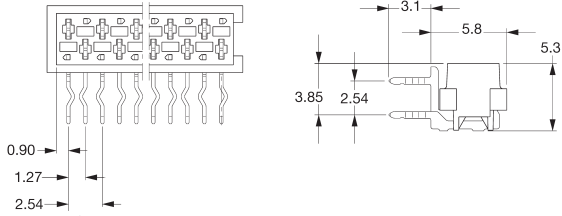
Female-on-Board - Top Entry, SMT With Locking Latches



No. of Positions	Part Number	
	Without Tape	With Tape for Vacuum P&P
4	338069-4	7-338069-4
6	338069-6	7-338069-6
8	338069-8	7-338069-8
10	1-338069-0	8-338069-0
12	1-338069-2	8-338069-2
14	1-338069-4	8-338069-4
16	1-338069-6	8-338069-6
18	1-338069-8	8-338069-8
20	2-338069-0	9-338069-0

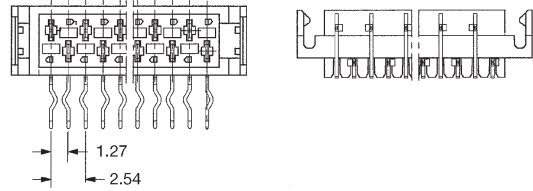
MicroMatch Connectors (continued)

Female-on-Board - Side Entry, Through Hole



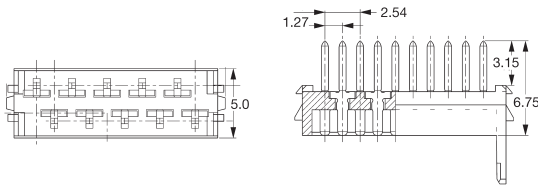
No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	215460-4	7-215460-4
6	215460-6	7-215460-6
8	215460-8	7-215460-8
10	1-215460-0	8-215460-0
12	1-215460-2	8-215460-2
14	1-215460-4	8-215460-4
16	1-215460-6	8-215460-6
18	1-215460-8	8-215460-8
20	2-215460-0	9-215460-0

Female-on-Board - Side Entry, Through Hole With Locking Latches



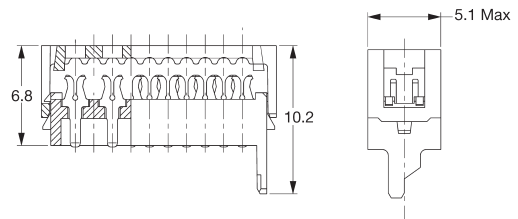
No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	338070-4	
6	338070-6	
8	338070-8	
10	1-338070-0	
12	1-338070-2	
14	1-338070-4	
16	1-338070-6	
18	1-338070-8	
20	2-338070-0	

Male-on-Board - Top Entry, Through Hole



No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	215464-4	7-215464-4
6	215464-6	7-215464-6
8	215464-8	7-215464-8
10	1-215464-0	8-215464-0
12	1-215464-2	8-215464-2
14	1-215464-4	8-215464-4
16	1-215464-6	8-215464-6
18	1-215464-8	8-215464-8
20	2-215464-0	9-215464-0

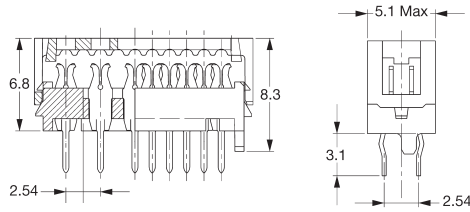
Male-on-Wire - IDC Connector



No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	215083-4	7-215083-4
6	215083-6	7-215083-6
8	215083-8	7-215083-8
10	1-215083-0	8-215083-0
12	1-215083-2	8-215083-2
14	1-215083-4	8-215083-4
16	1-215083-6	8-215083-6
18	1-215083-8	8-215083-8
20	2-215083-0	9-215083-0

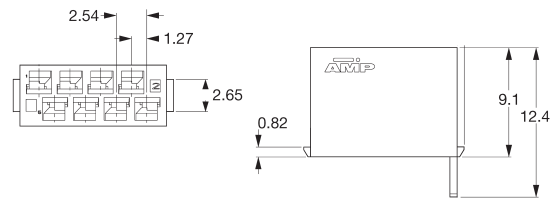
MicroMatch Connectors (continued)

Paddle Board - Through Hole, IDC Connector



No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	215570-4	7-215570-4
6	215570-6	7-215570-6
8	215570-8	7-215570-8
10	1-215570-0	8-215570-0
12	1-215570-2	8-215570-2
14	1-215570-4	8-215570-4
16	1-215570-6	8-215570-6
18	1-215570-8	8-215570-8
20	2-215570-0	9-215570-0

Contact Housing - Discrete Wire



No. of Positions	Part Number
	4
6	338095-6
8	338095-8
10	1-338095-0
12	1-338095-2
14	1-338095-4
16	1-338095-6
18	1-338095-8
20	2-338095-0

Crimp Contacts

Wire Size AWG	Wire Size mm	Part Number	
		Reel of 15,000	Reel of 750
28 - 24	0.08 - 0.20	338096-1	1-338096-1
24 - 20	0.20 - 0.50	338097-1	1-338097-1

*Find application tooling at
www.tooling.tycoelectronics.com*

See page 138 for details

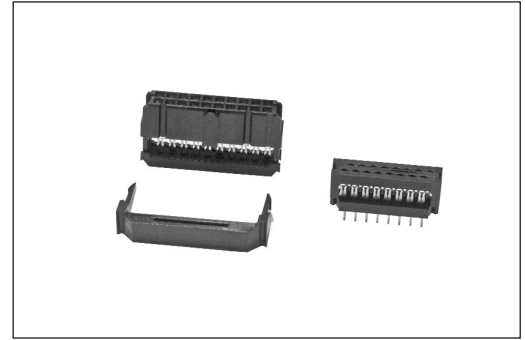


AMP-Latch Socket & Transition Connectors

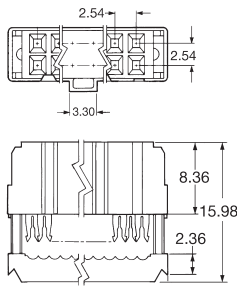
- For use with standard 1.27mm pitch ribbon cable
- Cover pre-assembled for ease of use

Specification:

Housing - Thermoplastic
Contacts - 0.38µm gold

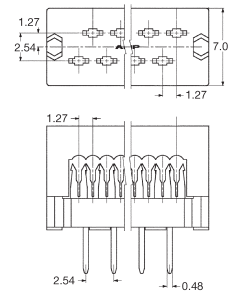


**Socket with Centre Bump
Ribbon Cable Termination**



No. of Positions	Part Number
10	1658621-1
16	1658621-3
20	1658621-4
26	1658621-6
34	1658621-8
40	1658621-9
50	1-1658621-0

**2 Row Solder Transition Connector
Ribbon Cable Termination**



No. of Positions	Part Number
10	2-746610-1
16	1-746610-4
20	1-746610-5
26	1-746610-6
34	1-746610-8
40	1-746610-9
50	2-746610-0

Strain Relief

No. of Positions	Part Number
10	499252-5
16	499252-8
20	499252-2
26	499252-3
34	499252-6
40	499252-1
50	499252-4

AMP-Latch Low Profile Box Headers

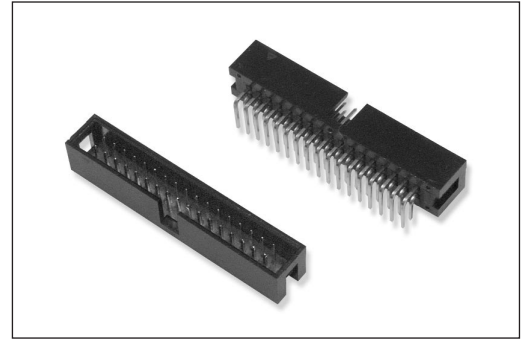
- Low cost
- Straight or right angle
- Gold plated contacts
- UL approved

Specification:

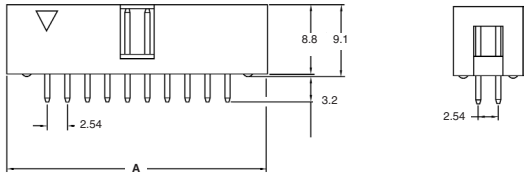
Housing - Black thermoplastic
UL 94V-0

Contacts - 0.25µm gold (Commercial)
- 0.38µm gold (Industrial)

Current Rating - 1A

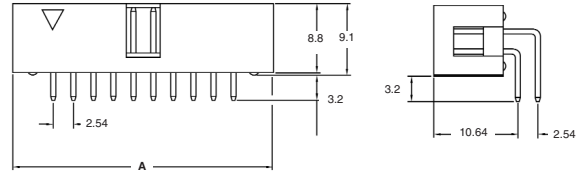


Straight - Commercial



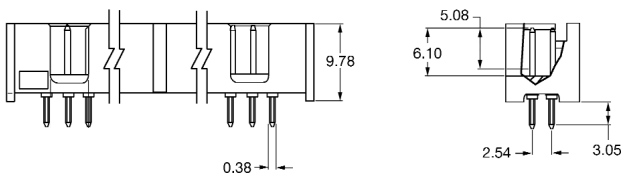
No. of Ways	Dimension A	Part Numbers
10	20.35	1-1634688-0
14	25.43	1-1634688-4
16	27.97	1-1634688-6
20	33.05	2-1634688-0
26	40.67	2-1634688-6
34	50.83	3-1634688-4
40	58.45	4-1634688-0
50	71.15	5-1634688-0

Right Angle - Commercial



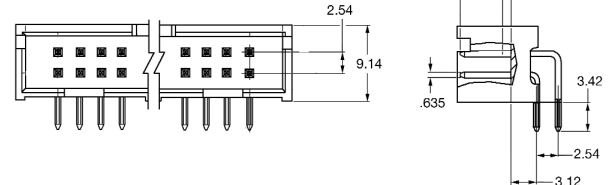
No. of Ways	Dimension A	Part Numbers
10	20.35	1-1634689-0
14	25.43	1-1634689-4
16	27.97	1-1634689-6
20	33.05	2-1634689-0
26	40.67	2-1634689-6
34	50.83	3-1634689-4
40	58.45	4-1634689-0
50	71.15	5-1634689-0

Straight - Industrial



No. of Positions	Part Number
10	5103308-1
16	5103308-3
20	5103308-5
26	5103308-6
34	5103308-7
40	5103308-8
50	1-5103308-0

Right Angle - Industrial



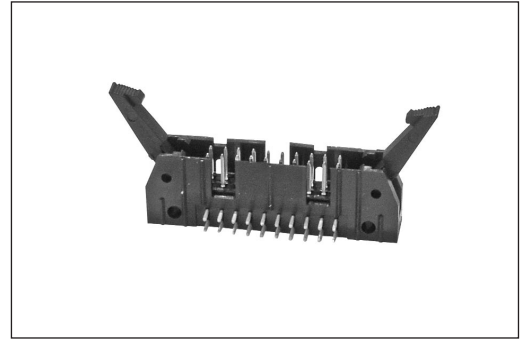
No. of Positions	Part Number
10	5103310-1
16	5103310-3
20	5103310-5
26	5103310-6
34	5103310-7
40	5103310-8
50	1-5103310-0

AMP-Latch Latched Headers

- Available with long or short lock eject latches
- Latches pre-assembled

Specification:

Housing - Thermoplastic
Contacts - 0.38µm gold



**Standard Header
Straight - Through Hole - Short Locking Latches**

No. of Positions	Part Number
10	5499910-1
16	5499910-3
20	5499910-4
26	5499910-6
34	5499910-8
40	5499910-9
50	1-5499910-0

**Standard Header
Straight - Through Hole - Long Locking Latches**

No. of Positions	Part Number
10	5499922-1
16	5499922-3
20	5499922-4
26	5499922-6
34	5499922-8
40	5499922-9
50	1-5499922-0

**Standard Header
Right Angle - Through Hole - Short Locking Latches**

No. of Positions	Part Number
10	5499913-1
16	5499913-3
20	5499913-4
26	5499913-6
34	5499913-8
40	5499913-9
50	1-5499913-0

**Standard Header
Right Angle - Through Hole - Long Locking Latches**

No. of Positions	Part Number
10	5499786-1
16	5499141-3
20	5499786-4
26	5499786-6
34	5499786-8
40	5499786-9
50	1-5499786-0

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Micro MATE-N-LOK 3mm Housings

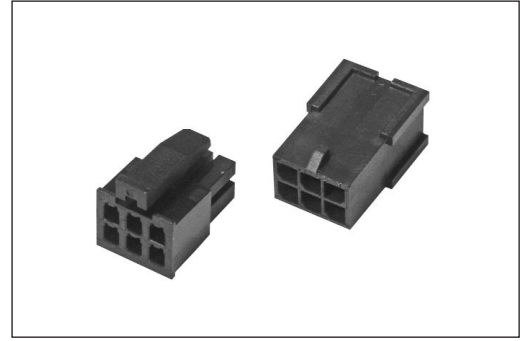
- 3mm centreline spacing
- Single and double row housings
- Panel mount and free hanging style
- Dual beam contact design for reliable interconnection

Specification:

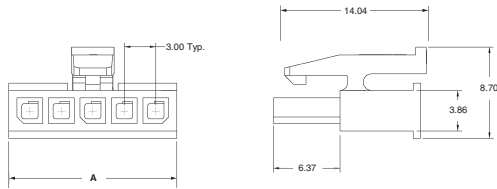
Housing - Nylon, Black UL 94V-0
Contacts - Brass (Pin) or phosphor bronze (receptacle)
Current Rating - 5A max.

Mating Connectors:

Micro MATE-N-LOK 3mm Headers - Page 39

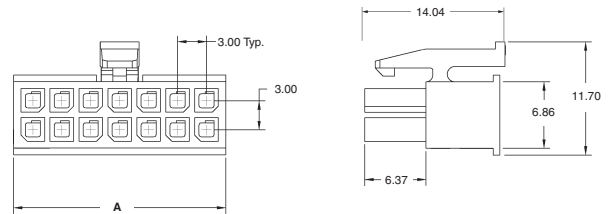


Receptacle Housings - Single Row



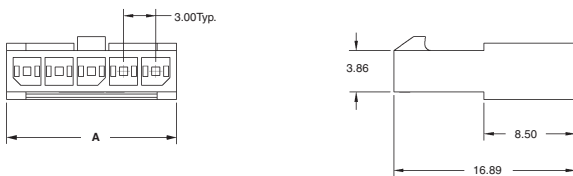
Number of Circuits	Dimension A	Part Number
2	7.00	1445022-2
3	10.00	1445022-3
4	13.00	1445022-4
5	16.00	1445022-5
6	19.00	1445022-6

Receptacle Housings - Dual Row



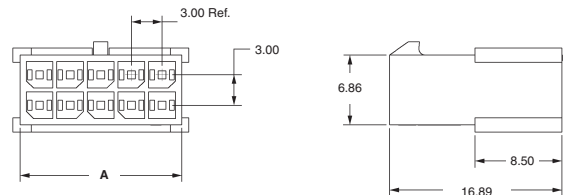
Number of Circuits	Dimension A	Part Number
2	4.00	794617-2
4	7.00	794617-4
6	10.00	794617-6
8	13.00	794617-8
10	16.00	1-794617-0
12	19.00	1-794617-2
16	25.00	1-794617-6
20	31.00	2-794617-0
24	37.00	2-794617-4

Plug Housings - Single Row, Free Hanging



Number of Circuits	Dimension A	Part Number
2	6.85	1445049-2
3	9.85	1445049-3
4	12.85	1445049-4
5	15.85	1445049-5
6	18.85	1445049-6

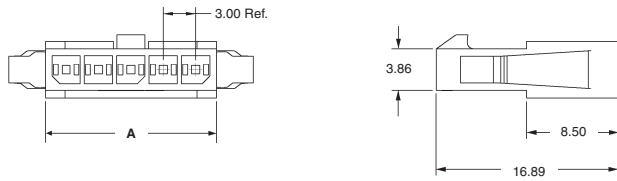
Plug Housings - Dual Row, Free Hanging



Number of Circuits	Dimension A	Part Number
2	3.85	794616-2
4	6.85	794616-4
6	9.85	794616-6
8	12.85	794616-8
10	15.85	1-794616-0
12	18.85	1-794616-2
16	24.85	1-794616-6
20	30.85	2-794616-0
24	36.85	2-794616-4

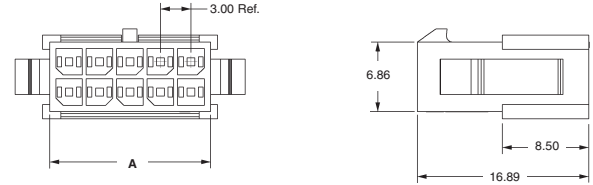
Micro MATE-N-LOK 3mm Housings (continued)

Plug Housings - Single Row, Panel Mount



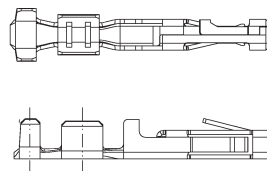
Number of Circuits	Dimension A	Part Number
2	6.85	1445048-2
3	9.85	1445048-3
4	12.85	1445048-4
5	15.85	1445048-5
6	18.85	1445048-6

Plug Housings - Dual Row, Panel Mount

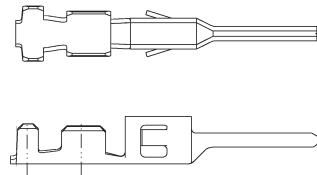


Number of Circuits	Dimension A	Part Number
2	3.85	794615-2
4	6.85	794615-4
6	9.85	794615-6
8	12.85	794615-8
10	15.85	1-794615-0
12	18.85	1-794615-2
16	24.85	1-794615-6
20	30.85	2-794615-0
24	36.85	2-794615-4

Crimp Snap-In Contacts



Receptacle Contact



Plug Contact

Wire Size Range	Insulation Diameter	Plating	Packaging	Part Number	
				Receptacle Contact	Plug Contact
0.20 - 0.50	0.89 - 1.52	Tin	Tape and Reel	794606-1	1-794608-0
			Loose Piece	794610-1	1-794612-0
0.05 - 0.12	0.89 - 1.52	Tin	Tape and Reel	794607-1	1-794609-0
			Loose Piece	794611-1	1-794613-0

Micro MATE-N-LOK 3mm Headers

- PCB mount pin headers available in vertical and right-angle style
- SMT or through-hole PCB pin headers
- PCB headers are IR reflow process compatible
- 3mm centreline spacing

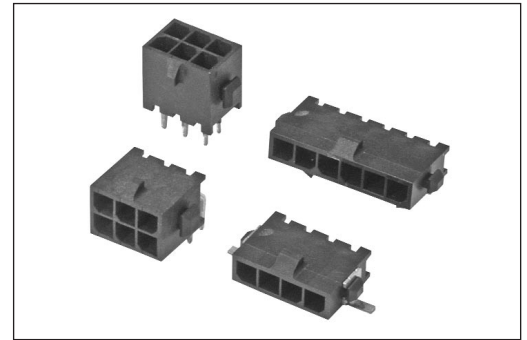
Specification:

Housing - High temperature Nylon,
Black UL 94V-0

Contacts - Brass, Tin plated

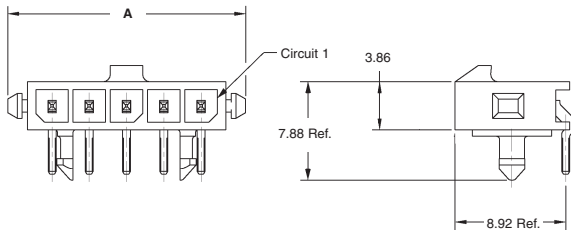
Mating Connectors:

Micro MATE-N-LOK 3mm
Receptacle Housings - Page 37



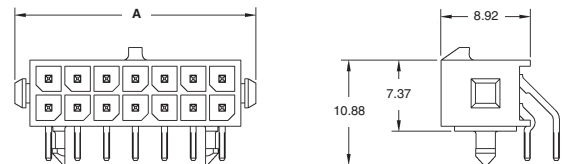
Right-Angle Header Assemblies

Single Row, Through Hole, with Plastic Boardlock



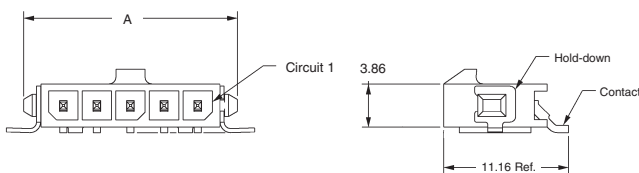
Number of Circuits	Dimension A	Part Number
2	10.14	2-1445055-2
3	13.14	2-1445055-3
4	16.14	2-1445055-4
5	19.14	2-1445055-5
6	22.14	2-1445055-6

Dual Row, Through Hole, with Plastic Boardlock



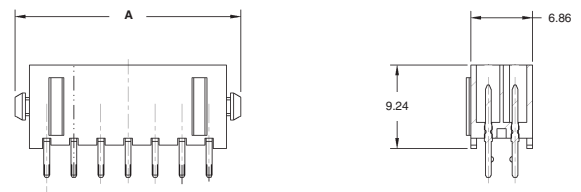
Number of Circuits	Dimension A	Part Number
2	7.00	3-794618-2
4	10.00	3-794618-4
6	13.00	3-794618-6
8	16.00	3-794618-8
10	19.00	4-794618-0
12	22.00	4-794618-2
16	28.00	4-794618-6
20	34.00	5-794618-0
24	40.00	5-794618-4

Right-Angle Header Assemblies
Single Row, Surface Mount,
with Surface Mount Hold-down



Number of Circuits	Dimension A	Part Number
2	10.00	2-1445057-2
3	13.00	2-1445057-3
4	16.00	2-1445057-4
5	19.00	2-1445057-5
6	22.00	2-1445057-6

Vertical Header Assemblies
Dual Row, Through Hole, with Retention Feature
on Solder-tail



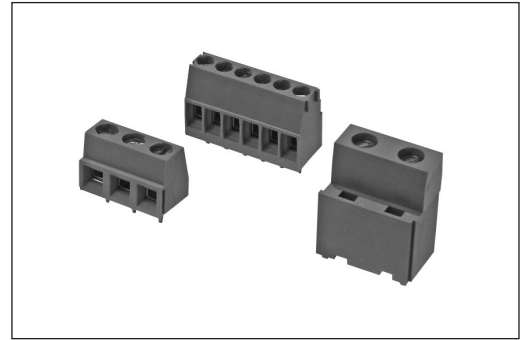
Number of Circuits	Dimension A	Part Number
2	7.00	3-794630-2
4	10.00	3-794630-4
6	13.00	3-794630-6
8	16.00	3-794630-8
10	19.00	4-794630-0
12	22.00	4-794630-2
16	28.00	4-794630-6
20	34.00	5-794630-0
24	40.00	5-794630-4

Terminal Blocks, Board Mount, Side Wire Entry

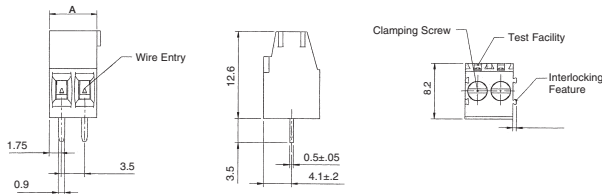
- Interlocking feature
- Test facility

Specification:

Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

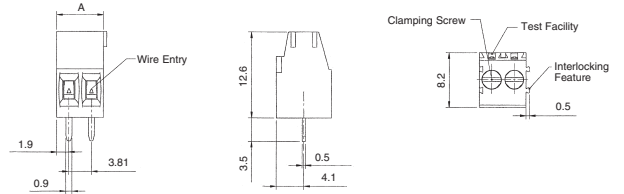


3.50mm Centreline - Side Wire Entry



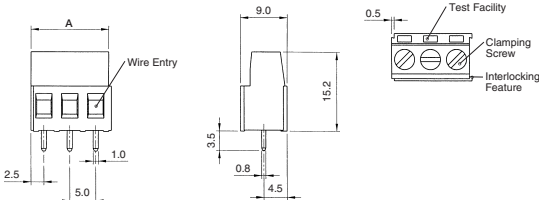
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	13.5A	200V	7.0	284391-2
3	0.05 - 1.5	13.5A	200V	10.5	284391-3
4	0.05 - 1.5	13.5A	200V	14.0	284391-4
5	0.05 - 1.5	13.5A	200V	17.5	284391-5
6	0.05 - 1.5	13.5A	200V	21.0	284391-6
9	0.05 - 1.5	13.5A	200V	31.5	284391-9

3.81mm Centreline - Side Wire Entry



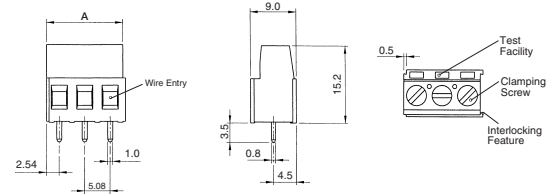
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	13.5A	200V	7.62	284392-2
3	0.05 - 1.5	13.5A	200V	11.43	284392-3
4	0.05 - 1.5	13.5A	200V	15.24	284392-4
5	0.05 - 1.5	13.5A	200V	19.05	284392-5
6	0.05 - 1.5	13.5A	200V	22.86	284392-6
9	0.05 - 1.5	13.5A	200V	34.29	284392-9

5.00mm Centreline - Side Wire Entry



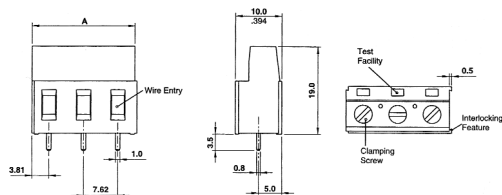
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 2.5	17.5A	300V	10.0	796683-2
3	0.05 - 2.5	17.5A	300V	15.0	796683-3
4	0.05 - 2.5	17.5A	300V	20.0	796683-4
5	0.05 - 2.5	17.5A	300V	25.0	796683-5
6	0.05 - 2.5	17.5A	300V	30.0	796683-6

5.08mm Centreline - Side Wire Entry



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 2.5	17.5A	300V	10.16	282841-2
3	0.05 - 2.5	17.5A	300V	15.24	282841-3
4	0.05 - 2.5	17.5A	300V	20.32	282841-4
5	0.05 - 2.5	17.5A	300V	25.40	282841-5
6	0.05 - 2.5	17.5A	300V	30.48	282841-6

7.62mm Centreline - Side Wire Entry



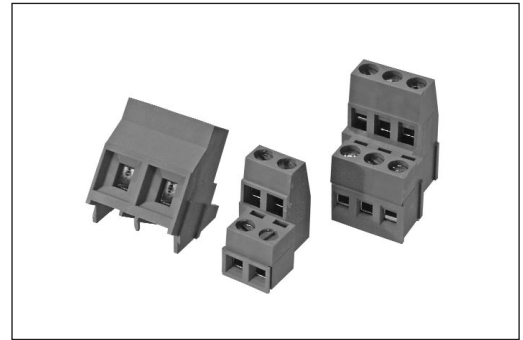
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 2.5	24A	450V	15.24	282861-2
3	0.05 - 2.5	24A	450V	22.86	282861-3

**Terminal Blocks, Board Mount, 35° Angled Wire Entry
Multi Level Stacking**

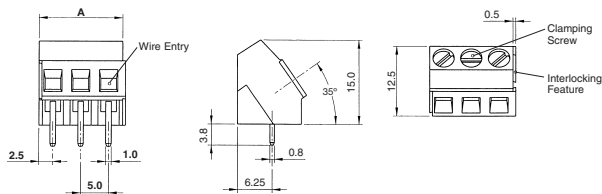
- Interlocking feature
- Test facility

Specification:

Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

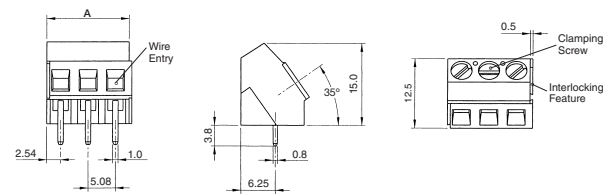


5.00mm Centreline - Side Wire Entry



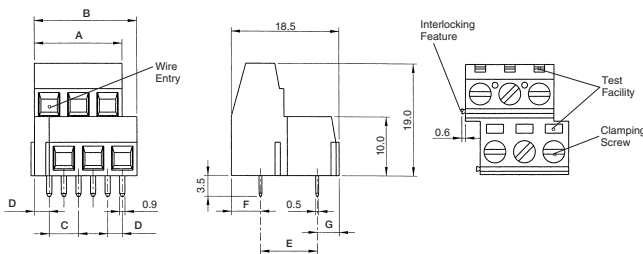
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	17.5A	300V	10.00	796690-2
3	0.05 - 1.5	17.5A	300V	15.00	796690-3
4	0.05 - 1.5	17.5A	300V	20.00	796690-4
5	0.05 - 1.5	17.5A	300V	25.00	796690-5
6	0.05 - 1.5	17.5A	300V	30.00	796690-6

5.08mm Centreline - Side Wire Entry



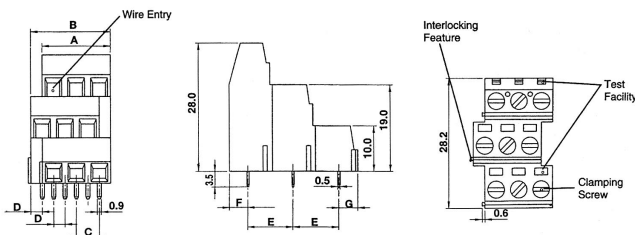
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	17.5A	300V	10.16	282847-2
3	0.05 - 1.5	17.5A	300V	15.24	282847-3
4	0.05 - 1.5	17.5A	300V	20.32	282847-4
5	0.05 - 1.5	17.5A	300V	25.40	282847-5
6	0.05 - 1.5	17.5A	300V	30.48	282847-6

5.08mm Centreline - 1st and 2nd Level Stacking



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension							Part Number
				A	B	C	D	E	F	G	
2	0.05 - 1.00	17.5A	300V	10.16	12.70	5.08	2.54	10.16	4.24	4.1	282869-2
3	0.05 - 1.00	17.5A	300V	15.24	17.78	5.08	2.54	10.16	4.24	4.1	282869-3

5.08mm Centreline - Three Levels Stacking



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension							Part Number
				A	B	C	D	E	F	G	
2	0.05 - 1.00	17.5A	300V	10.16	12.70	5.08	2.54	10.16	3.78	4.1	282877-2
3	0.05 - 1.00	17.5A	300V	15.24	17.78	5.08	2.54	10.16	3.78	4.1	282877-3

Terminal Blocks, Two Piece Terminal Block Connectors

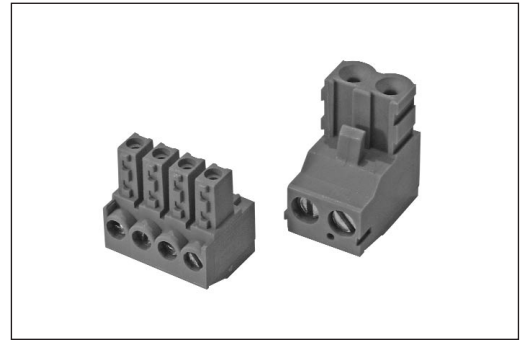
- Closed header
- Polarisable

Specification:

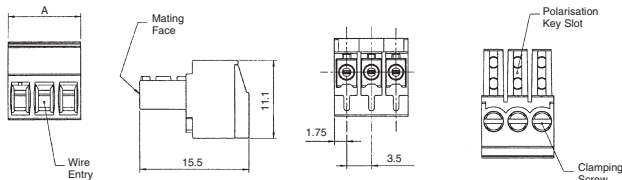
Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

Mating Connectors:

Terminal Block Headers - Pages 43 & 44



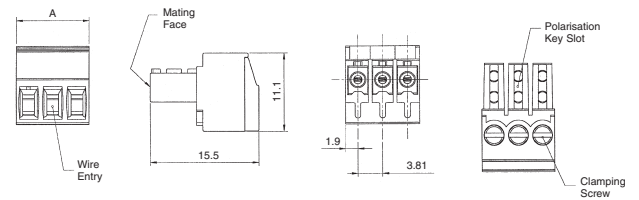
3.50mm Centreline - Plug, Right-Angle



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.0	13.5A	300V	7.0	284506-2
3	0.05 - 1.0	13.5A	300V	10.5	284506-3
4	0.05 - 1.0	13.5A	300V	14.0	284506-4
5	0.05 - 1.0	13.5A	300V	17.5	284506-5
6	0.05 - 1.0	13.5A	300V	21.0	284506-6

Polarisation Key	1546050-1
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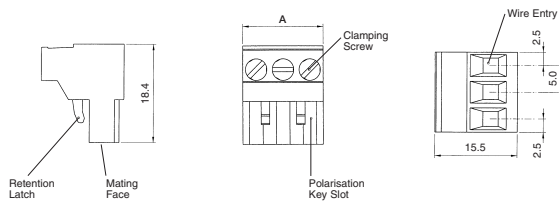
3.81mm Centreline - Plug, Right-Angle



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.0	13.5A	300V	7.62	284507-2
3	0.05 - 1.0	13.5A	300V	11.43	284507-3
4	0.05 - 1.0	13.5A	300V	15.24	284507-4
5	0.05 - 1.0	13.5A	300V	19.05	284507-5
6	0.05 - 1.0	13.5A	300V	22.86	284507-6

Polarisation Key	1546050-1
------------------	-----------

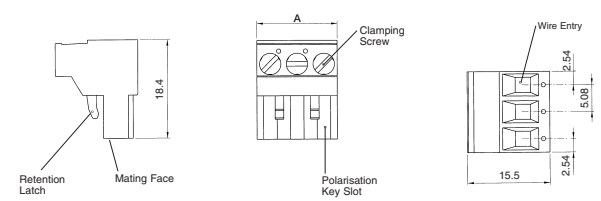
5.00mm Centreline - Plug, Right-Angle



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	15A	300V	10.0	796640-2
3	0.05 - 1.5	15A	300V	15.0	796640-3
4	0.05 - 1.5	15A	300V	20.0	796640-4
5	0.05 - 1.5	15A	300V	25.0	796640-5
6	0.05 - 1.5	15A	300V	30.0	796640-6

Polarisation Key	282969-1
------------------	----------

5.08mm Centreline - Plug, Right-Angle



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	15A	300V	10.16	796634-2
3	0.05 - 1.5	15A	300V	15.24	796634-3
4	0.05 - 1.5	15A	300V	20.32	796634-4
5	0.05 - 1.5	15A	300V	25.40	796634-5
6	0.05 - 1.5	15A	300V	30.48	796634-6

Polarisation Key	282969-1
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Terminal Blocks, Two Piece Terminal Block Connectors

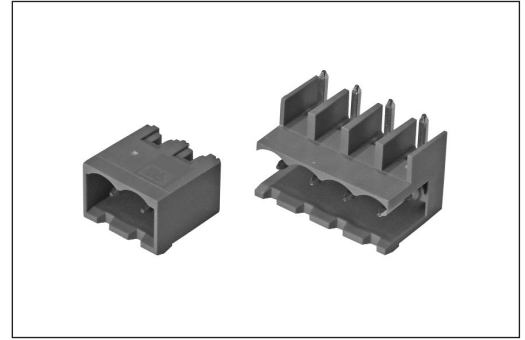
- Closed header
- Polarisable

Specification:

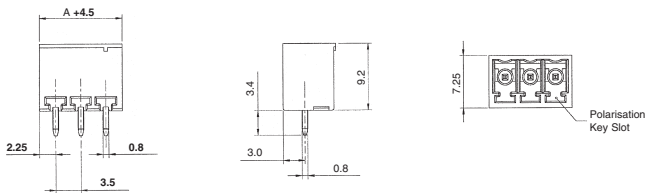
Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

Mating Connectors:

Terminal Block Plugs - Page 42

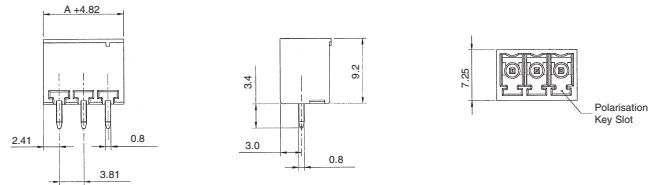


3.50mm Centreline - Straight, Closed End Headers



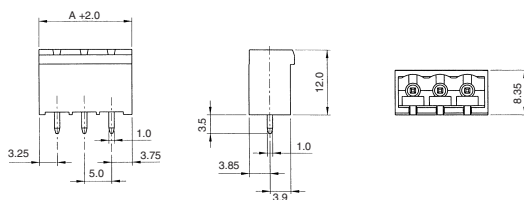
No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	13.5A	3.5	284514-2
3	300V	13.5A	7.0	284514-3
4	300V	13.5A	10.5	284514-4
5	300V	13.5A	14.0	284514-5
6	300V	13.5A	17.5	284514-6
Polarisation Key				1546051-1

3.81mm Centreline - Straight, Closed End Headers



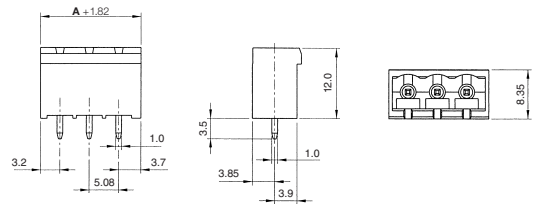
No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	13.5A	3.81	284517-2
3	300V	13.5A	7.62	284517-3
4	300V	13.5A	11.43	284517-4
5	300V	13.5A	15.24	284517-5
6	300V	13.5A	19.05	284517-6
Polarisation Key				1546051-1

5.00mm Centreline - Straight, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	15A	10.0	796642-2
3	300V	15A	15.0	796642-3
4	300V	15A	20.0	796642-4
5	300V	15A	25.0	796642-5
6	300V	15A	30.0	796642-6
Polarisation Key				282970-1

5.08mm Centreline - Straight, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	15A	10.16	796636-2
3	300V	15A	15.24	796636-3
4	300V	15A	20.32	796636-4
5	300V	15A	25.40	796636-5
6	300V	15A	30.48	796636-6
Polarisation Key				282970-1

Terminal Blocks, Two Piece Terminal Block Connectors

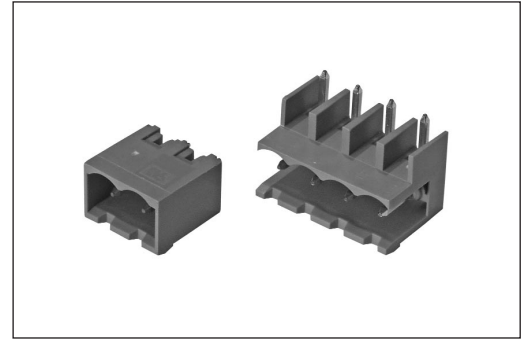
- Closed header
- Polarisable

Specification:

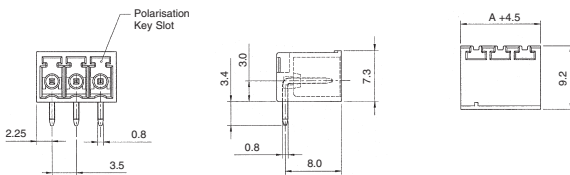
Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

Mating Connectors:

Terminal Block Plugs - Page 42

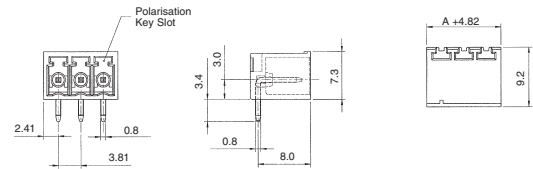


3.50mm Centreline - Right-Angle, Closed End Headers



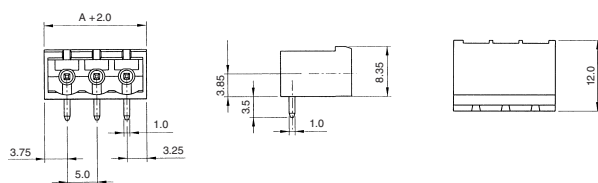
No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	13.5A	8.0	284512-2
3	300V	13.5A	11.5	284512-3
4	300V	13.5A	15.0	284512-4
5	300V	13.5A	18.5	284512-5
6	300V	13.5A	22.0	284512-6
Polarisation Key				1546051-1

3.81mm Centreline - Right-Angle, Closed End Headers



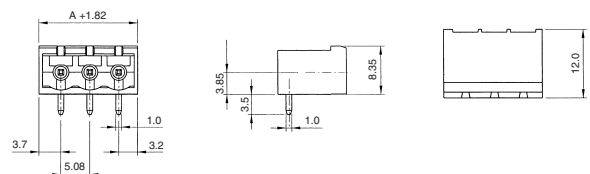
No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	13.5A	3.81	284513-2
3	300V	13.5A	7.62	284513-3
4	300V	13.5A	11.43	284513-4
5	300V	13.5A	15.24	284513-5
6	300V	13.5A	19.05	284513-6
Polarisation Key				1546051-1

5.00mm Centreline - Right-Angle, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	15A	10.0	796644-2
3	300V	15A	15.0	796644-3
4	300V	15A	20.0	796644-4
5	300V	15A	25.0	796644-5
6	300V	15A	30.0	796644-6
Polarisation Key				282970-1

5.08mm Centreline - Right-Angle, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	15A	10.16	796638-2
3	300V	15A	15.24	796638-3
4	300V	15A	20.32	796638-4
5	300V	15A	25.40	796638-5
6	300V	15A	30.48	796638-6
Polarisation Key				282970-1

AMPMODU MOD I Receptacle Housings and Contacts

- Rugged large scale system
- Built-in polarisation and latching
- Gold or tin plated crimp snap-in contacts

Specification:

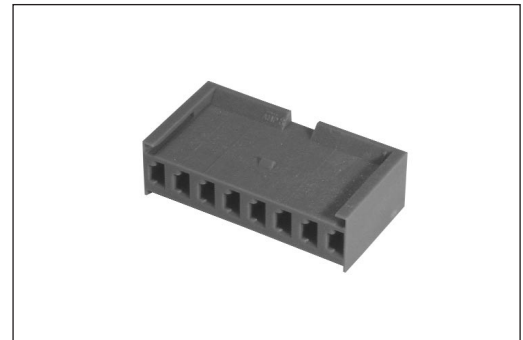
Housing - Green glass fibre filled polycarbonate UL 94V-1

Contacts - Phosphor bronze

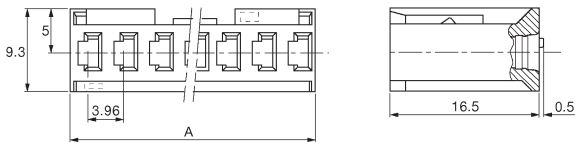
Current Rating - 5A

Mating Connectors:

MOD I Shrouded Headers - Page 46



Single Row



No. of Positions	Dimension A	Part Number
2	7.8	280590
4	15.7	280591
6	23.7	280592
8	31.6	280593
10	39.5	280594
12	47.4	280595
Keying Plug		87116-2

Crimp Snap-In Contacts - Standard Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.4µm Gold	Tin
0.32 - 0.80	22 - 18	1.80 - 2.30	Tape and Reel	280621-2	280621-1
			Loose Piece	181299-2	181299-1

Crimp Snap-In Contacts - High Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number Tin
0.32 - 0.80	22 - 18	1.80 - 2.30	Tape and Reel	280702-1
			Loose Piece	182198-1
0.5 - 1.0	20 - 17	2.20 - 2.80	Tape and Reel	281423-1

AMPMODU MOD I Shrouded Headers

- Straight or right angle
- Built-in polarisation and latching
- Gold or tin plated contacts
- 0.79 x 1.57mm posts

Specification:

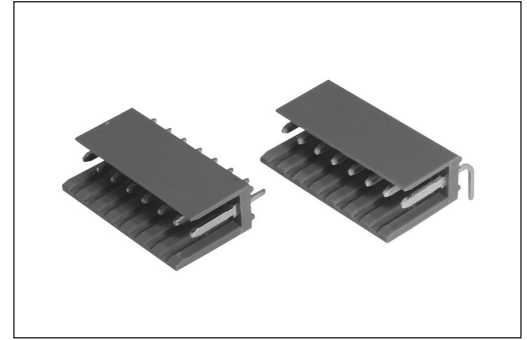
Housing - Green glass fibre filled polycarbonate UL 94V-1

Contacts - Brass (gold plating) or phosphor bronze (tin plating)

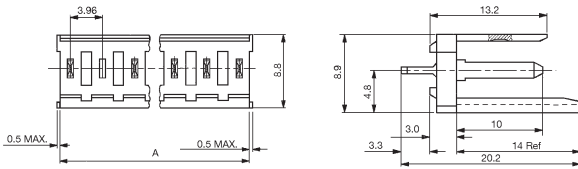
Current Rating - 5A

Mating Connectors:

MOD I Receptacle Housings - Page 45

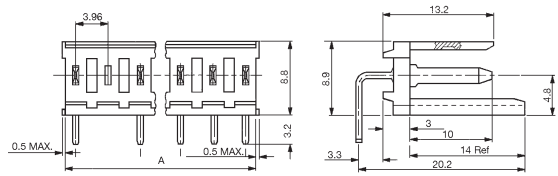


Single Row Straight



No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2	6.2	280609-2	280609-1
4	14.2	280610-2	280610-1
6	22.1	280611-2	280611-1
8	30.0	280612-2	280612-1
10	37.9	280613-2	280613-1
12	45.9	280614-2	280614-1

Single Row Right-Angle



No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2	6.2	280615-2	280615-1
4	14.2	280616-2	280616-1
6	22.1	280617-2	280617-1
8	30.0	280618-2	280618-1
10	37.9	280619-2	280619-1
12	45.9	280620-2	280620-1

*Find application tooling at
www.tooling.tycoelectronics.com*

See page 138 for details



SL-156 Receptacle Housings & Contacts

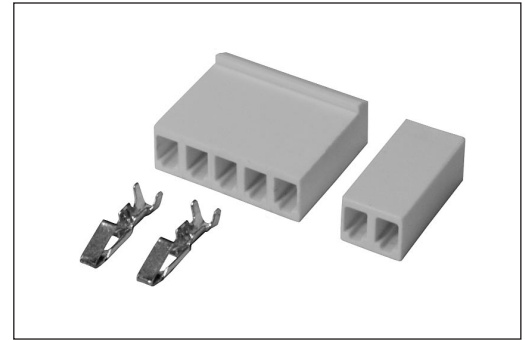
- Connectors are end-to-end stackable
- With polarization and friction lock for positive mating
- Rated to 250 Vac and 10 Amp max

Specification:

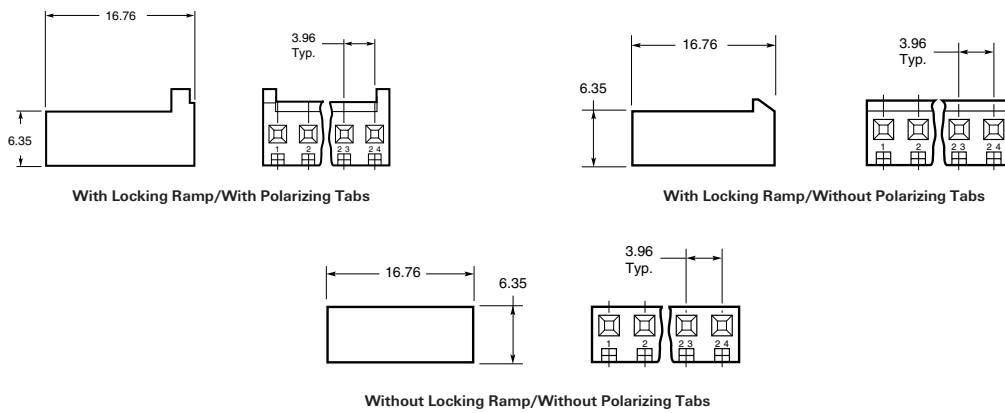
Housing - Nylon, white, UL94V-0
Contacts - Brass or phosphor bronze, tin plated
Current Rating - 10A max

Mating Connectors:

MTA-156 Headers - Page 49

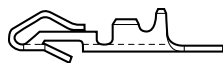


SL-156 Housings



No. of Positions	With Locking Ramp & Polarizing Tabs	Part Number With Locking Ramp & Without Polarizing Tabs	Without Locking Ramp or Polarizing Tabs
2	770849-2	640250-2	640251-2
3	770849-3	640250-3	640251-3
4	770849-4	640250-4	640251-4
5	770849-5	640250-5	640251-5
6	770849-6	640250-6	640251-6
7	770849-7	640250-7	640251-7
8	770849-8	640250-8	640251-8
10	1-770849-0	1-640250-0	1-640251-0
12	1-770849-2	1-640250-2	1-640251-2

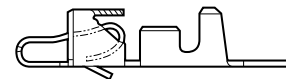
SL-156 Crimp Snap-In Contacts



High Force
(6.5 Amp Max. Current Rating)



Low Force
(6.5 Amp Max. Current Rating)



Hooded (Dual Wipe)
(10 Amp. Max. Current Rating)

Wire Size AWG	Type	Material	Strip	Part Number	Loose Piece
18-24	High Force	Brass	640252-2	640706-2	
		Brass	3-640252-1	3-640706-1	
	Low Force	Brass	350980-2	-	
		Brass	3-350980-1	-	
		Phosphor bronze	3-770476-1	3-770522-1	

MTA-156 IDC Connector Receptacles

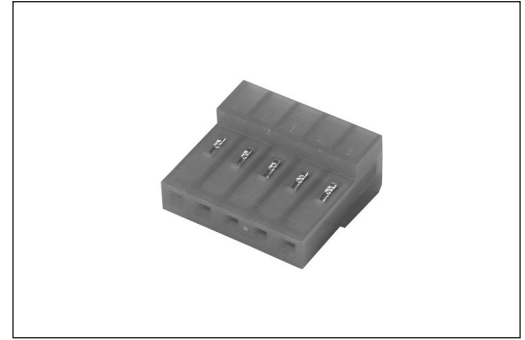
- Connectors preloaded with IDC contacts
- Connectors are end-to-end stackable
- Wire sizes 18, 20 & 22 AWG
- Molded ribs on housings do not allow reverse mating
- Rated to 600 Vac and 7 Amp max.

Specification:

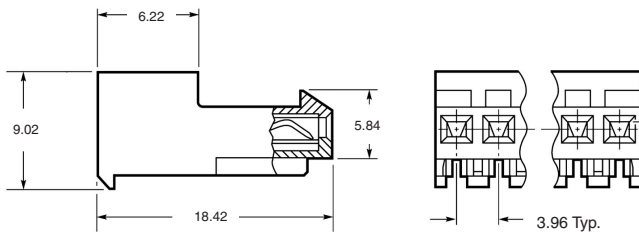
Housing - Nylon, UL94V-2
Contacts - Phosphor bronze, tin plated

Mating Connectors:

MTA-156 IDC Posted Connectors - Page 50
MTA-156 Headers - Page 49



Closed End Connectors - With Locking Ramp & Without Tabs



Number of Positions	Wire Size AWG	Part Number
2	18	3-640426-2
	20	3-640427-2
	22	3-640428-2
3	18	3-640426-3
	20	3-640427-3
	22	3-640428-3
4	18	3-640426-4
	20	3-640427-4
	22	3-640428-4
5	18	3-640426-5
	20	3-640427-5
	22	3-640428-5
6	18	3-640426-6
	20	3-640427-6
	22	3-640428-6
8	18	3-640426-8
	20	3-640427-8
	22	3-640428-8
10	18	4-640426-0
	20	4-640427-0
	22	4-640428-0

Colour coding by wire size

22 AWG - Red
20 AWG - Yellow
18 AWG - Orange

MTA-156 Headers

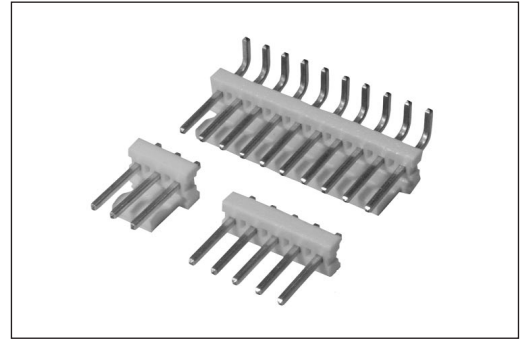
- Headers are end-to-end stackable
- Suitable for 1.57mm PCB thickness

Specification:

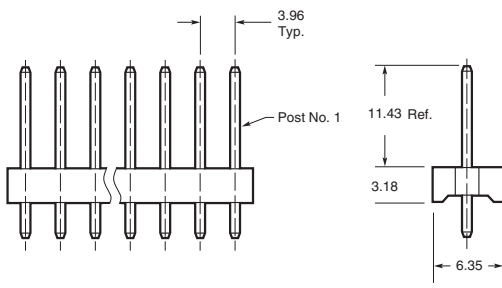
Housing - Polyester white, UL94V-0
Contacts - Copper alloy, tin plated

Mating Connectors:

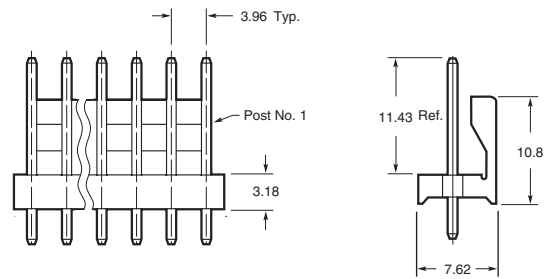
MTA-156 IDC Receptacles - Page 48
SL-156 Receptacle Housings - Page 47



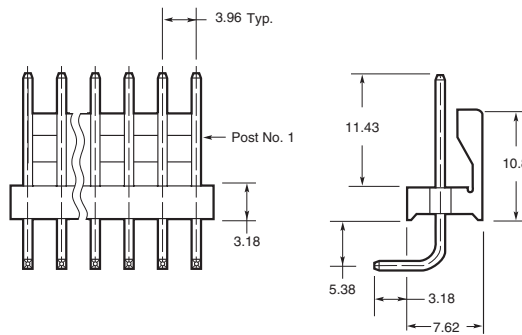
Headers



Flat Headers - Straight



Friction Lock Headers - Straight



Friction Lock Headers - Right Angle

No. of Positions	Part Number			
	Straight Flat Square Post	Straight Friction Lock Square Post	Straight Friction Lock Round Post	Right Angle (Front Bend) Friction Lock Square post
2	640383-2	640445-2	640388-2	640389-2
3	640383-3	640445-3	640388-3	640389-3
4	640383-4	640445-4	640388-4	640389-4
5	640383-5	640445-5	640388-5	640389-5
6	640383-6	640445-6	640388-6	640389-6
8	640383-8	640445-8	640388-8	640389-8
10	1-640383-0	1-640445-0	1-640388-0	1-640389-0

MTA-156 IDC Posted Connectors

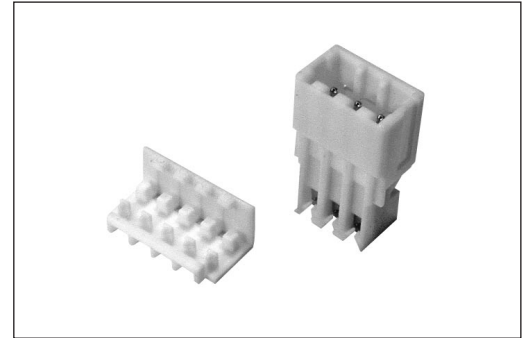
- Contacts are lubricated for fretting corrosion protection

Specification:

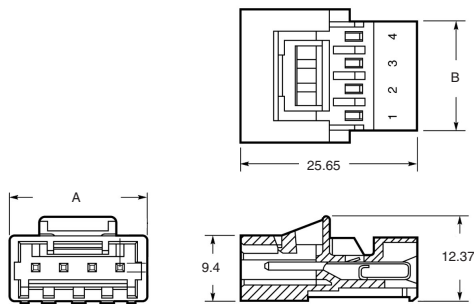
Housing - Nylon, UL94V-2
Contacts - Copper alloy, tin plated
Covers - Nylon, white UL94V-2

Mating Connectors:

MTA-156 IDC Receptacles - Page 48



Posted Connectors (Wire-to-Wire) - Closed End



Number of Positions	Wire Size AWG	Dimension A	Dimension B	Part Number
2	18	11.89	8.03	3-641435-2
	20			3-641436-2
	22			3-641437-2
3	18	15.85	11.99	3-641435-3
	20			3-641436-3
	22			3-641437-3
4	18	19.81	15.95	3-641435-4
	20			3-641436-4
	22			3-641437-4
6	18	27.74	23.88	3-641435-6
	20			3-641436-6
	22			3-641437-6

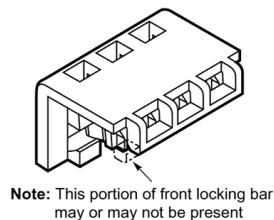
Colour coding by wire size

- 22 AWG - Red
- 20 AWG - Yellow
- 18 AWG - Orange

Accessories - Covers

Closed End Strain Relief Covers

No. of Positions	Part Number
2	643067-2
3	643067-3
4	643067-4
5	643067-5
6	643067-6
8	643067-8
10	1-643067-0

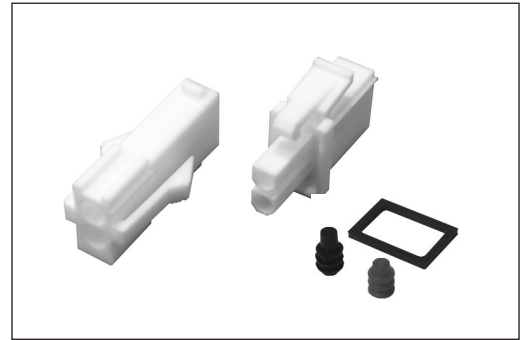


Mini Universal MATE-N-LOK Housings

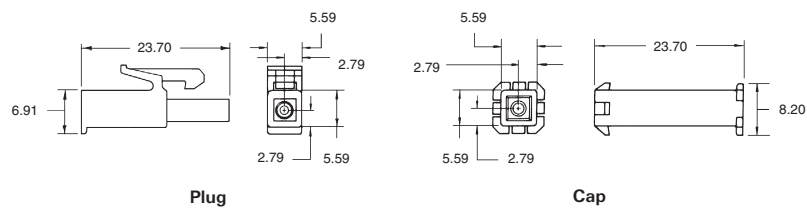
- Pins and Sockets can be accommodated in the same housing
- Fully polarised housings
- Splash proof housing using same Mini Universal MATE-N-LOK contacts
- Splash proof housing tested to IP 57 for 1.02 - 2.11 mm insulation diameter wire

Specification:
Housing - Nylon

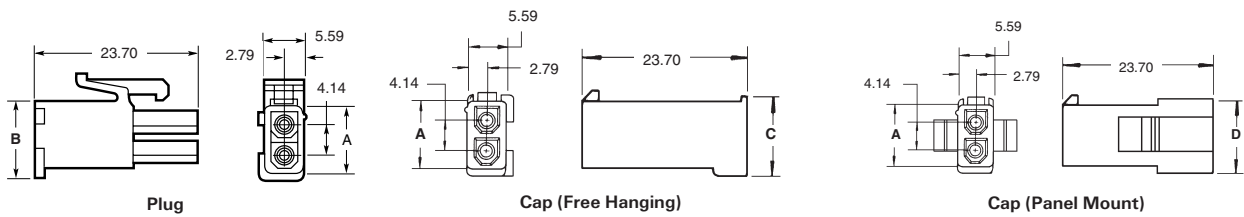
Mating Connectors:
Mini Universal MATE-N-LOK Headers -
Pages 54 & 55



1 Circuit, Free Hanging



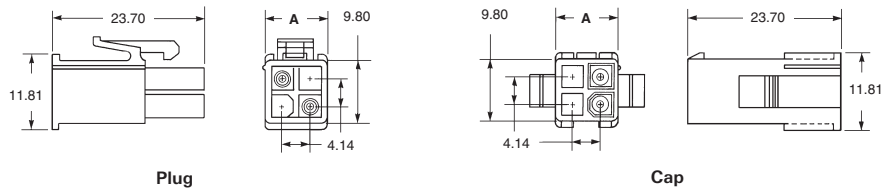
2 and 3 Circuit, In-Line



Number of Circuits	A	Dimension B	C	D	Part Number					
					UL94V-0, White Colour			UL94V-2, Natural Colour		
					Plug	Cap Panel Mount	Cap Free Hanging	Plug	Cap Panel Mount	Cap Free Hanging
1	-	-	-	-	172164-1	-	172156-1	172335-1	-	172327-1
2	9.80	10.79	12.39	11.78	172165-1	172157-1	172233-1	172336-1	172328-1	172343-1
					794894-1*	794896-1*	-			
3	14.00	15.01	16.61	16.00	172166-1	172158-1	172234-1	-	-	-

* For Splash-Proof Sealing

4 and 6 Circuit, Dual Row

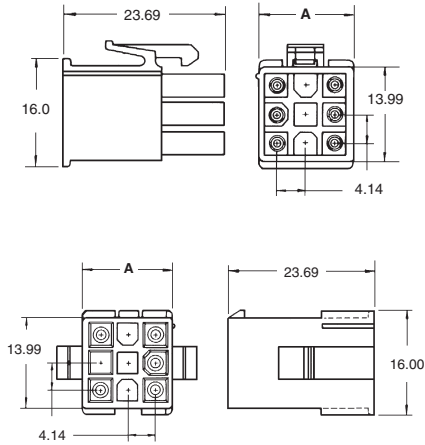


Number of Circuits	Dimension A	Part Number			
		UL94V-0, White Colour		UL94V-2, Natural Colour	
		Plug	Cap	Plug	Cap
4	9.80	172167-1	172159-1	-	-
		794805-1*	794939-1*	-	-
6	14.00	172168-1	172160-1	172339-1	172331-1
		794895-1*	794940-1*	-	-

* For Splash-Proof Sealing

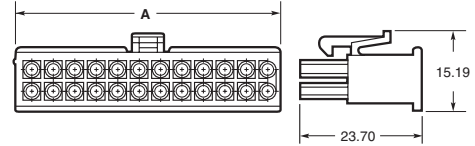
Mini Universal MATE-N-LOK Housings (continued)

**9, 12 and 15 Circuit,
Free Hanging or Panel Mount, Matrix**



Number of Circuits	Dimension A	Part Number UL94V-0, White Colour Plug Cap	
9	13.99	172169-1	172161-1
12	18.19	172170-1	172162-1
15	22.40	172171-1	172163-1

**8, 10, 12 and 20 Circuit,
Free Hanging Dual Row**



Number of Circuits	Dimension A	Part Number UL94V-0, White Colour Plug Cap	
8	18.14	770579-1	794941-1*
10	22.28	794821-1*	794942-1*
12	26.42	770581-1	-
20	42.98	770585-1	-

* For Splash-Proof Sealing

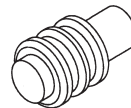
Interface Seals

Number of Circuits	Style	Part Number
2	In Line	794772-2
4	Dual Row	794772-4
6	Dual Row	794772-6
8	Dual Row	794772-8
10	Dual Row	1-794772-0

Single Wire Seal - Part Number 794758-1



Single Housing Cavity Plug Seal - Part Number 794995-1



Mini Universal MATE-N-LOK Contacts

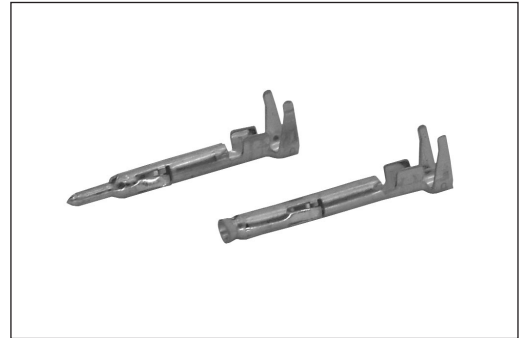
- Pins & Sockets can be utilised in the same housing
- Low insertion and extraction forces
- Contacts accept wire size range 30 - 16 AWG

Specification:

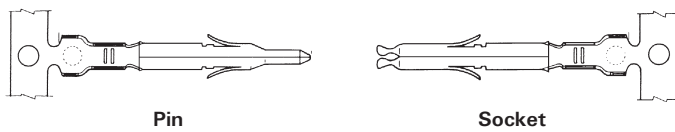
Contacts - Brass
Durability - 20 cycles
Current Rating - 9.5A max.

For use with:

Mini Universal MATE-N-LOK
Plug or Cap housings in standard or
sealed style - Pages 51 & 52



Pin & Socket Contacts



Wire Size Range	Insulation Diameter	Plating	Packaging	Part Number	
				Pin Contact	Socket Contact
0.12 - 0.30	1.20 - 1.80	Tin	Tape and Reel	170359-1	170361-1
			Loose Piece	170363-1	170365-1
		Gold	Tape and Reel	170359-3	170361-3
			Loose Piece	170363-3	170365-3
0.30 - 0.89 or 2 x 0.30	1.50 - 2.40 or 3.4 max	Tin	Tape and Reel	170360-1	170362-1
			Loose Piece	170364-1	170366-1
		Gold	Tape and Reel	170360-3	170362-3
			Loose Piece	170364-3	170366-3
0.50 - 1.30 or 2 x 0.50	2.0 - 3.20 or 2 x 2.4	Tin	Tape and Reel	171636-1	171637-1
			Loose Piece	171638-1	171639-1

Find application tooling at
www.tooling.tycoelectronics.com
See page 138 for details

Mini Universal MATE-N-LOK Headers

- Available in vertical & right-angle configurations
- Solder tail diameter 1mm
- To be used in 1.57mm PCB thickness

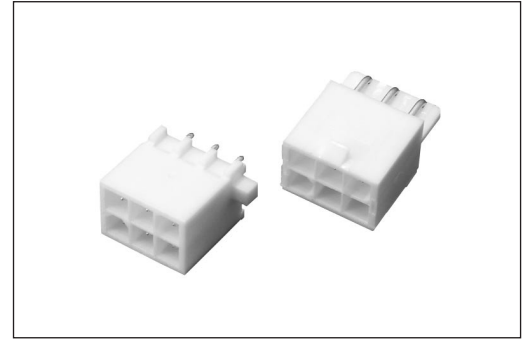
Specification:

Housing - Nylon, white
UL 94V-0

Contacts - Brass

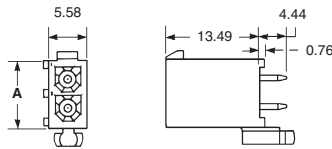
Mating Connectors:

Mini Universal MATE-N-LOK housings Plug & Cap - Pages 51 & 52

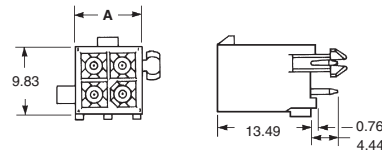


Vertical PC Board Pin Headers

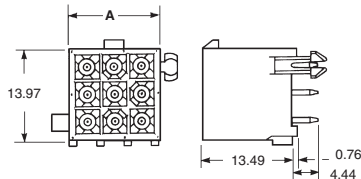
2 and 3 Circuit, In-Line



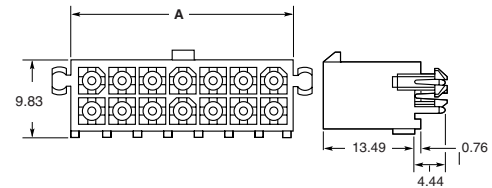
4, 6, and 8 Circuit, Dual Row



9, 12 and 15 Circuit, Matrix



20 Circuit, Dual Row

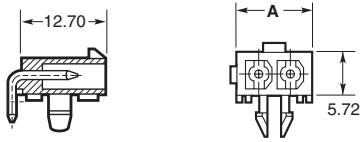


No. of Circuits	Style	Dimension A	Plating	Part Number Vertical Pin Header with Drain Holes
2	In-Line	9.83	Tin	1-770166-0
			Gold	1-770166-1
3	In-Line	13.97	Tin	1-770170-0
			Gold	1-770170-1
4	Dual Row	9.83	Tin	1-770174-0
			Gold	1-770174-1
6	Dual Row	13.97	Tin	1-770178-0
			Gold	1-770178-1
8	Dual Row	18.11	Tin	1-794065-0
			Gold	1-794065-1
9	Matrix	14.00	Tin	1-770182-0
			Gold	1-770182-1
12	Matrix	18.11	Tin	1-770186-0
			Gold	1-770186-1
15	Matrix	22.28	Tin	1-770190-0
			Gold	1-770190-1
20	Dual Row	42.95	Tin	1-794070-0
			Gold	1-794070-1

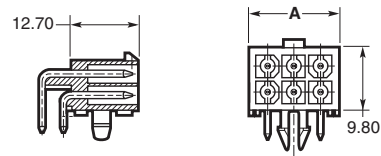
Mini Universal MATE-N-LOK Headers (continued)

Right-Angle PC Board Pin Headers

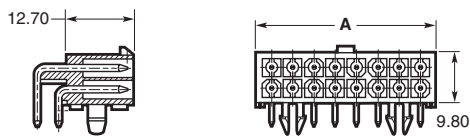
2 and 3 Circuit, In-Line



4, 6, 8 and 12 Circuit, Dual Row



20 Circuit, Dual Row



No. of Circuits	Style	Dimension A	Plating	Part Number Pin Header with Board Lock
2	In-Line	9.86	Tin	1-770966-0
3	In-Line	14.00	Tin	1-770967-0
4	Dual Row	9.86	Tin	1-770968-0
6	Dual Row	14.00	Tin	1-770969-0
8	Dual Row	18.14	Tin	1-770970-0
12	Dual Row	26.42	Tin	1-770972-0
20	Dual Row	42.98	Tin	1-794106-0

**Search Distributor
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www.tycoelectronics.com**



4.2mm PE Series Housings

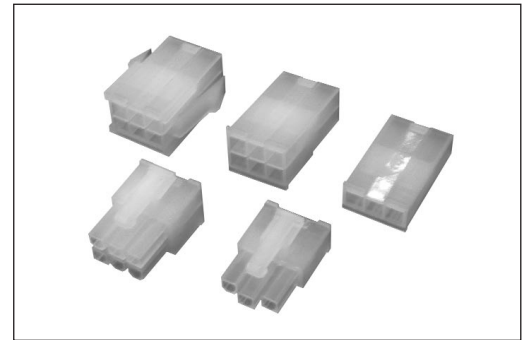
- Easy mate/unmate with positive latch design
- Single row 3 - 5 position panel mount or free hanging plugs & receptacles
- 2 - 24 double row (even only) housings

Specification:

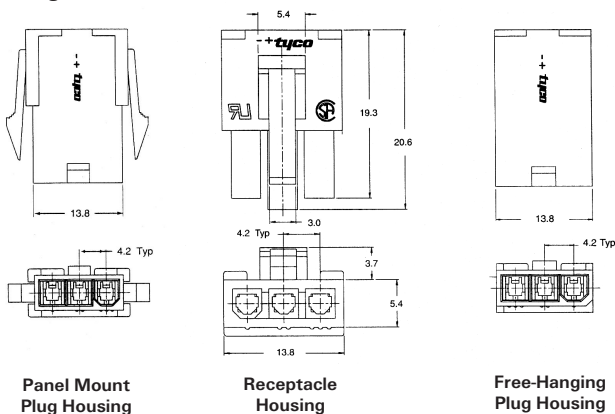
Housing - Nylon, UL94V-2
Contacts - Brass, tin plated
Current Rating - 9A max.
Durability - 50 cycles

Mating Connectors:

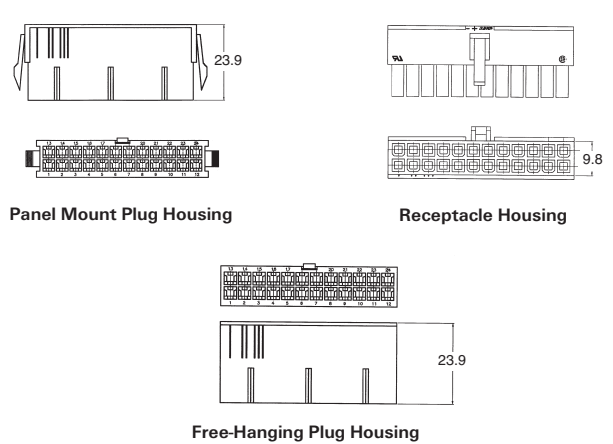
4.2mm PE Headers - Page 57



Single Row



Double Row



No. of Positions	Panel Mount Plug	Part Number Free Hanging Plug	Receptacle Housing
3*	1586101-3	1586103-3	1586105-3
4	1586022-4	1586024-4	1586026-4
5	1586022-5	1586024-5	1586026-5

* 3 position housings are First Mate/Last Break

No. of Positions	Panel Mount Plug	Part Number Free Hanging Plug	Receptacle Housing
2	794953-2	1586000-2	794954-2
4	794953-4	1586000-4	794954-4
6	794953-6	1586000-6	794954-6
8	794953-8	1586000-8	794954-8
10	1-794953-0	1-1586000-0	1-794954-0
12	1-794953-2	1-1586000-2	1-794954-2
16	1-794953-6	1-1586000-6	1-794954-6
20	2-794953-0	2-1586000-0	2-794954-0
24	2-794953-4	2-1586000-4	2-794954-4

Plug housings accept pin contacts and receptacle housings accept socket contacts

Crimp Snap-In Contacts



Wire Range	Packaging	Pin	Part Number	Socket
26 - 22	Tape and reel	794957-1		794958-1
	Loose Piece	1586316-1		1586317-1
22 - 18	Tape and reel	794955-1		794956-1
	Loose Piece	1586314-1		1586315-1

Molex and Mini-Fit are trademarks of Molex Incorporated

4.2mm PE Series Headers

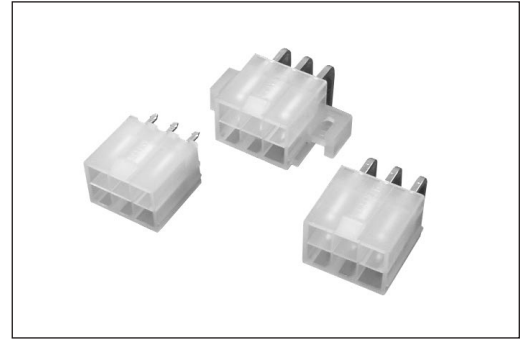
- Vertical or right angle pin headers
- 2 - 24 positions double row (even only)

Specification:

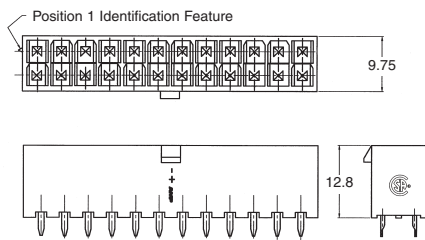
Housing - Nylon, UL94V-2
Contacts - Brass, tin plated

Mating Connectors:

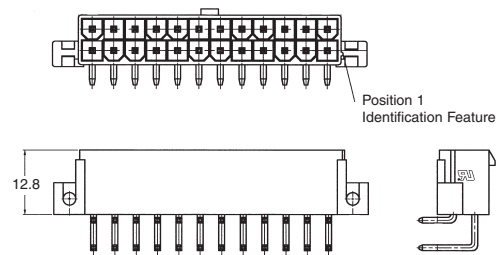
4.2mm PE Receptacle Housings - Page 56



Vertical



Right Angle



No. of Positions	Part Number Vertical w/o pegs
2	1586037-2
4	1586037-4
6	1586037-6
8	1586037-8
10	1-1586037-0
12	1-1586037-2
16	1-1586037-6
20	2-1586037-0
24	2-1586037-4

No. of Positions	Part Number	
	Right-Angle w/o pegs	Right-Angle Screw Mount
2	1586041-2	1586043-2
4	1586041-4	1586043-4
6	1586041-6	1586043-6
8	1586041-8	1586043-8
10	1-1586041-0	1-1586043-0
12	1-1586041-2	1-1586043-2
16	1-1586041-6	1-1586043-6
20	2-1586041-0	2-1586043-0
24	2-1586041-4	2-1586043-4

Commercial MATE-N-LOK Housings

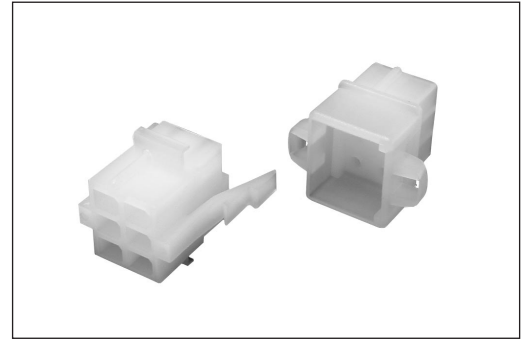
- Free hanging and panel mount styles
- Positive and detent lock options
- Fully polarised
- To be used together with Commercial MATE-N-LOK contacts

Specification:

Housing - Polyamide, natural colour
UL 94V-2

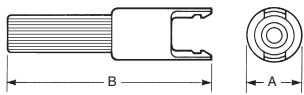
Mating Connectors:

Commercial MATE-N-LOK Headers - Page 61

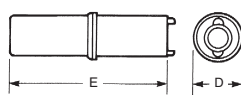


Housings - Free Hanging

1 Circuit

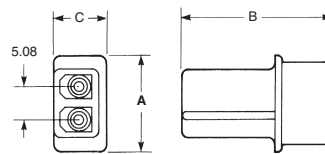


Pin Housing - Detent Lock

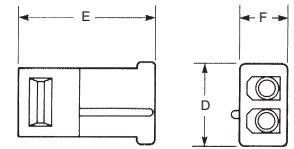


Socket Housing

2, 3 and 4 Circuit, In-Line



Pin Housing



Socket Housing

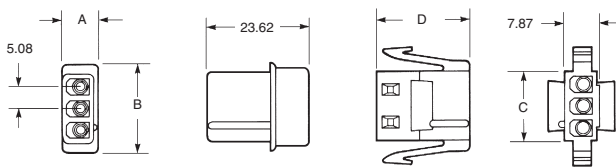
Number of Circuits	Dimensions						Part Number	
	A	B	C	D	E	F	Pin Housing	Socket Housing
1	7.6	30.5	-	6.6	22.1	-	1-480350-0 ¹	1-480349-0
2	15.5	23.6	8.4	13.5	21.9	7.5	1-480319-0 ^{1,2}	1-480318-0 ²
3	20.6	23.6	8.3	21.0	21.6	7.4	1-480305-0 ^{1,2}	1-480303-0 ²
4	25.7	23.6	8.4	26.2	21.6	7.9	1-480426-0 ^{1,2}	1-480424-0 ²

1. Detent Lock

2. Housing accepts double wire applications where individual insulation diameters do not exceed 2.9mm

Housings for Panel Mount, Positive Lock

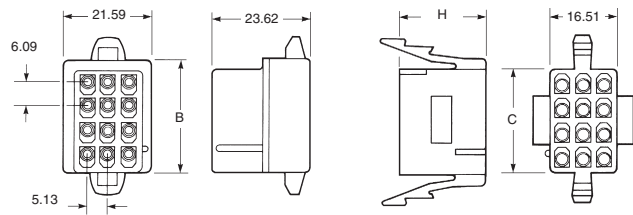
3 and 4 Circuit, In-Line



Pin Housing

Socket Housing

6, 9, 12 and 15 Circuit, Matrix



Pin Housing

Socket Housing

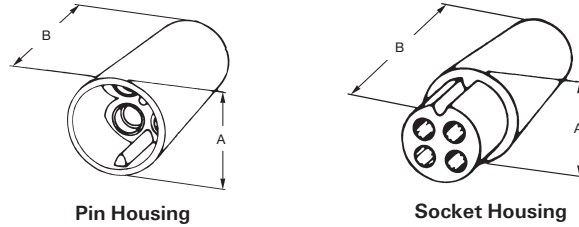
Number of Circuits	Dimensions					Part Number	
	A	B	C	D	D	Pin Housing	Socket Housing
3	10.7	26.8	22.6	24.7		1-163037-0	1-163038-0
4	8.4	25.7	21.0	21.6		1-480426-0 ¹	1-480425-0
6	-	16.9	14.1	21.6		1-480276-0 ²	1-480273-0
9	-	23.0	20.2	21.6		1-480277-0 ²	1-480274-0
12	-	29.1	26.5	21.6		1-480278-0 ²	1-480275-0
15	-	35.1	32.5	21.6		1-480324-0 ²	1-480323-0

1. Detent Lock

2. Positive Lock

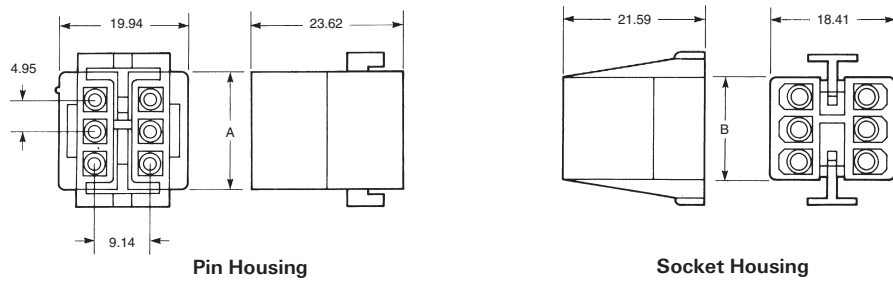
Commercial MATE-N-LOK Housings (continued)

Pin & Socket Housings, Free Hanging



Number of Circuits	Dimensions		Part Number	
	A	B	Pin Housing	Socket Housing
4	14.1	24.9	925075	
	14.1	22.7		925076

Housings, Free Hanging, Positive lock



Number of Circuits	Dimensions		Part Number	
	A	B	Pin Housing	Socket Housing
6	17.91	15.49	1-480340-0	1-480270-0 ¹

1. Housing accepts double wire applications where individual insulation diameters do not exceed 2.92mm

Commercial MATE-N-LOK Contacts

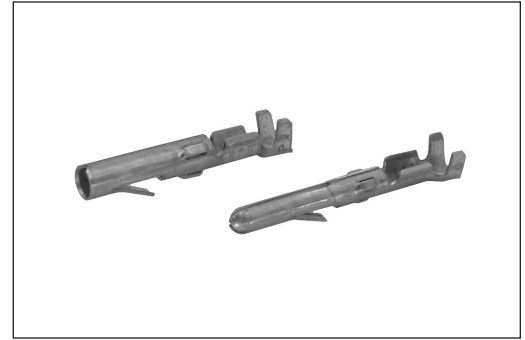
- Contacts accept a wire size range of 30 - 14 AWG
- Insulation diameter up to 3.3mm
- Low insertion / extraction forces
- Tin plated contacts
- To be used together with commercial MATE-N-LOK housings

Specification:

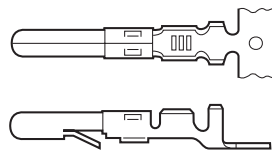
Contacts - Brass, tin plated
Durability - 50 cycles
Current Rating - 19A max.

For use with:

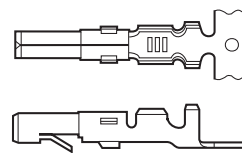
Commercial MATE-N-LOK Housings -
 Pages 58 & 59



Crimp Snap-In Contacts



Pin



Socket

Wire Size Range mm ²	Insulation Diameter mm	Packaging	Part Number	
			Pin	Socket
0.20-0.80	1.52 - 2.54	Tape and Reel	61116-1	61314-1
		Loose Piece	60618-1	60617-1
0.30-0.75	1.50 - 2.50	Tape and Reel	163555-6	163554-6
		Loose Piece	163558-2	163557-2
0.50- 1.00	1.80 - 3.30	Tape and Reel	163301-6	163300-6
		Loose Piece	163305-2	163304-2
0.50-2.00	2.54 - 3.30	Tape and Reel	61118-1	61117-1
		Loose Piece	60620-1	60619-1
1.00-2.50	2.50 - 3.80	Tape and Reel	163303-6	163302-6
		Loose Piece	163307-2	163306-2

Find application tooling at
www.tooling.tycoelectronics.com
 See page 138 for details

Commercial MATE-N-LOK Headers

- Contacts pre-tin plated
- Standard tail for 1.57mm PCB thickness

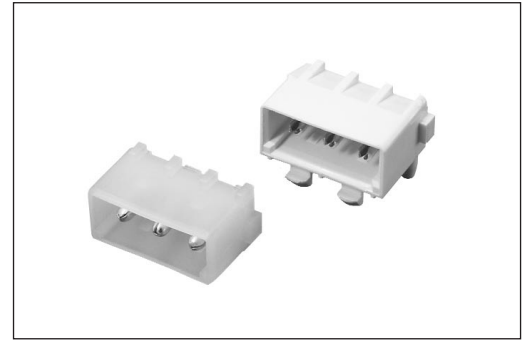
Specification:

Housing - Nylon, natural colour
UL 94V-2

Contacts - Phosphor bronze

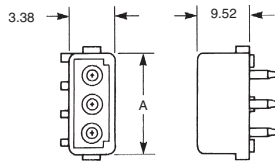
Mating Connectors:

Commercial MATE-N-LOK
Housings Plug & Cap - Pages 58 & 59



PC Board Vertical Pin Headers

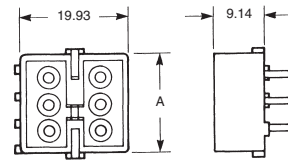
2, 3, and 4 circuit, In-Line



Detent lock

No. of Circuits	Dimension A	Type Lock	Part Number Standard Tail
2	13.09	Detent	350209-1
3	18.17	Detent	350210-1
4	23.24	Detent	350211-1

6 circuit, Dual Row

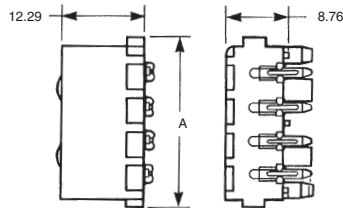


Positive lock

No. of Circuits	Dimension A	Type Lock	Part Number Standard Tail
6	17.91	Positive	1-380999-0

PC Board Right-Angle Pin Headers

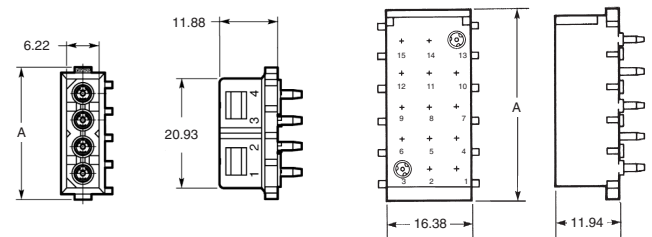
2, 3, and 4 circuit, In-Line



No. of Circuits	Dimension A	Part Number
2	15.24	794120-1
3	20.32	643488-1
4	25.40	641737-1

PC Board Vertical Socket Headers

4 (In-line) and 6 (Matrix) circuit



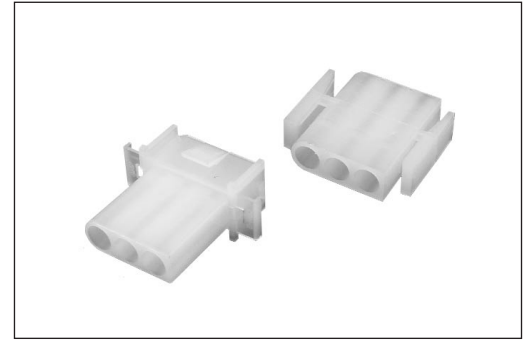
No. of Circuits	Dimension A	Part Number Standard Tail
4	25.40	770997-1
6	18.29	350641-1

.140 MATE-N-LOK Housings

- Fully polarised housings
- Contacts fully protected in housings

Specification:

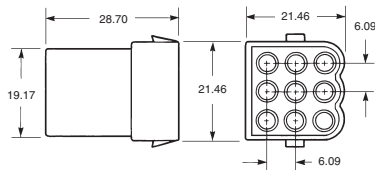
Housing - Nylon, natural colour
UL 94V-2



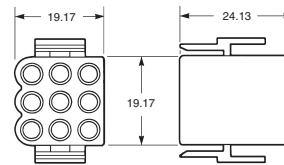
Housings - Free Hanging

9 Circuit, Matrix

Pin Housing (Cap) - Part Number 1-480586-0



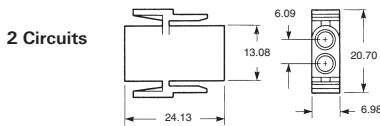
Socket Housing (Plug) - Part Number 1-480585-0



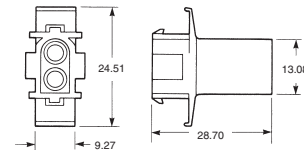
Housings - Panel Mount

2 and 3 Circuit, In-Line

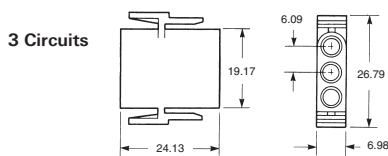
Socket Housing (Plug) - Part Number 1-350344-0



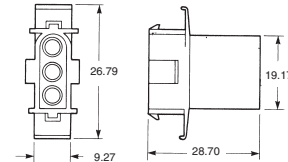
Pin Housing (Cap) - Part Number 1-350345-0



Socket Housing (Plug) - Part Number 1-350346-0

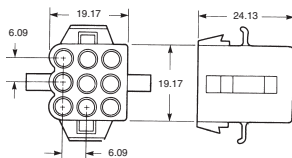


Pin Housing (Cap) - Part Number 1-350347-0

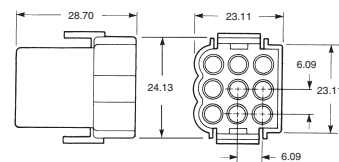


9 Circuit, Matrix

Socket Housing (Plug) - Part Number 1-480672-0

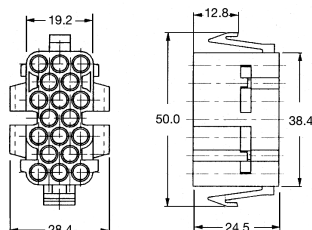


Pin Housing (Cap) - Part Number 1-480673-0

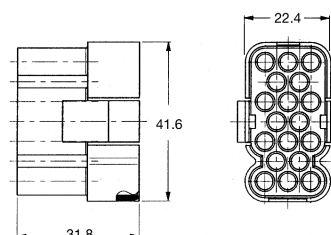


18 Circuit, Matrix

Socket Housing (Plug) - Part Number 925451-1



Pin Housing (Cap) - Part Number 925450-1



.140 MATE-N-LOK Contacts

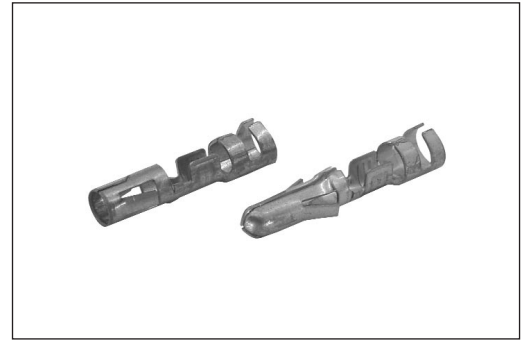
- Contacts accept wire size range 20 - 10 AWG
- Insulation diameters from 2.5 to 4.5mm
- Dual locking lances assure optimum contact stability

Specification:

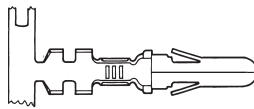
Contacts - Brass or phosphor bronze, tin plated (Pin \varnothing 3.57mm)
Durability - 25 cycles
Current Rating - 28A max.

For use with:

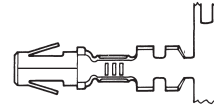
.140mm MATE-N-LOK
 Pin & Socket Housings - Page 62



Crimp Snap-In Contacts



Pin



Socket

Wire Size Range	Insulation Diameter	Material	Packaging	Part Number	
				Pin Contact	Socket Contact
0.50 - 2.10	2.50 - 4.50	Brass	Tape and Reel	925715-1	925714-1
			Loose Piece	925660-1	925661-1
		Phosphor bronze	Tape and Reel	925715-2	925714-2
			Loose Piece	925660-2	925661-2
2.10 - 5.30	2.50 - 4.50	Brass	Tape and Reel	925713-1	925712-1
			Loose Piece	-	925663-1
		Phosphor bronze	Tape and Reel	925713-2	925712-2
			Loose Piece	925662-2	925663-2

Find application tooling at
www.tooling.tycoelectronics.com
 See page 138 for details



Universal MATE-N-LOK Housings

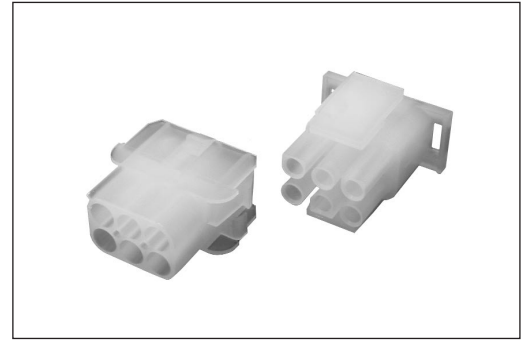
- Free hanging or panel mount
- 6.35mm centreline spacing
- Plug & Cap housings can be loaded either with pin & socket contacts
- Positive locking housings

Specification:

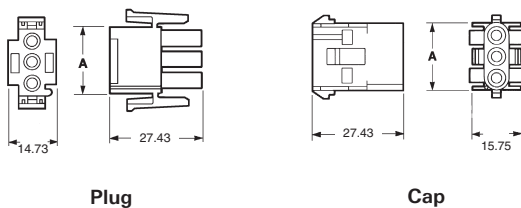
Housing - Polyamide UL94V-2 and UL94V-0

Mating Connectors:

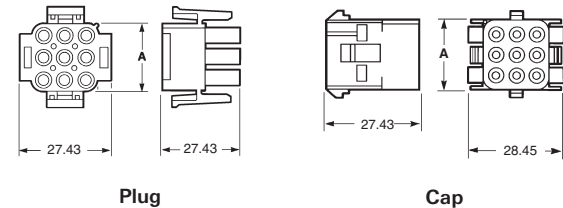
Universal MATE-N-LOK Headers - Page 68



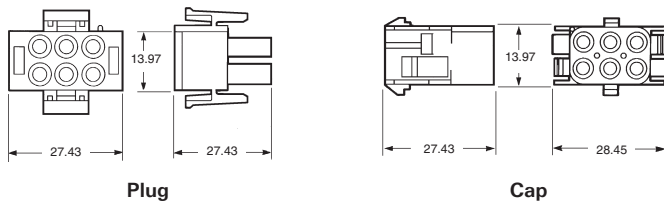
2, 3, 4 and 5 Circuit, In-Line



9, 12 and 15 Circuit, Matrix



6 Circuit, Matrix



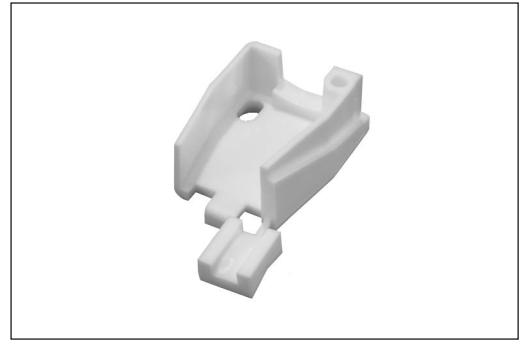
Number of Circuits	Dimension A	UL94V-2 Nylon, Natural Colour		Part Number		
		Plug	Cap	Plug	Plug with Window Latch	Cap
2	13.97	1-480698-0	1-480699-0	350777-1	350777-4	350778-1
3	20.32	1-480700-0	1-480701-0	350766-1	350766-4	350767-1
4	26.67	1-480702-0	1-480703-0	350779-1	350779-4	350780-1
5	33.02	1-480763-0	1-480764-0	350809-1	-	350810-1
6	-	1-480704-0	1-480705-0	350715-1	350715-4	350781-1
9	20.32	1-480706-0	1-480707-0	350720-1	350720-4	350782-1
12	26.67	1-480708-0	1-480709-0	350735-1	350735-4	350783-1
15	33.02	1-480710-0	1-480711-0	350736-1	350736-4	350784-1

Universal MATE-N-LOK
Strain Reliefs for Plug or Cap Housings

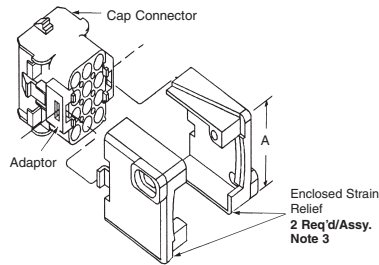
- Plug or Cap housing strain reliefs to proper cable ending

Specification:
Housing - Nylon UL94V-0

For use with:
Universal MATE-N-LOK
Housings Plug & Cap - Page 64



Plug or Cap housing strain reliefs
2, 3, 4, 5, 6, 9, 12 and 15 Circuit (Enclosed)



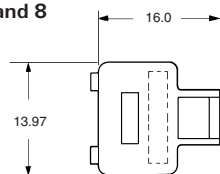
Style	Number of Circuits	Dimension A	Insert Supplied	Single Wire Diameter	Wire Bundle Diameter	Part Number
In-Line	2	24.38	No	-	5.08 - 8.89	640713-2
	3	28.96	Yes	1.02 - 4.83	-	640714-1
	4	33.65	Yes	1.02 - 4.83	-	641776-1
	5	38.86	Yes	1.02 - 4.83	-	643030-1
Matrix	6	26.16	Yes	-	3.05 - 16.51	640715-1
	9	26.16	Yes	-	3.05 - 16.51	640716-1
	12	32.51	Yes	-	3.81 - 19.05	640717-1
	15	38.86	Yes	-	5.08 - 21.59	640718-1

1. Strain relief part number represents one-half of a strain relief. Two strain reliefs required per housing
2. Must use cap housing adapters when attaching strain reliefs to a cap housing. Two adapters required per housing.

Cap Housing Adapters
(to be used with above PN)

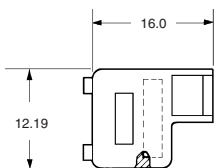
For all positions except 2, 6 and 8 Circuit Cap Housings

UL94V-0 Nylon Material - Part Number 641778-1



For 2 In-Line and 6 Matrix Circuit Cap Housings only

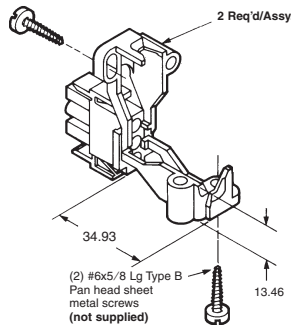
UL94V-0 Nylon Material - Part Number 643182-2



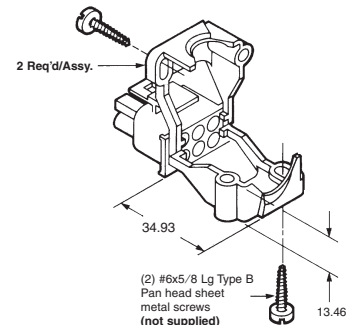
Plug Housing Strain Reliefs

2, 3, 4, 5, 6 and 8 Circuit, In-Line

6, 9, 12 and 15 Circuit, Matrix



UL94V-0 Nylon Material - Part Number 350811-1



UL94V-0 Nylon Material - Part Number 350812-1

1. Strain relief part number represents one-half of a strain relief. Two strain reliefs required per housing

Universal MATE-N-LOK Seals for Waterproof Applications

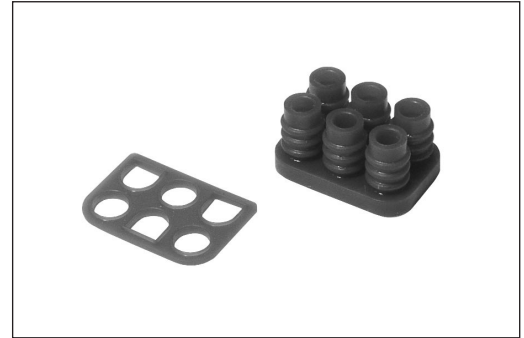
- No design changes to existing Universal MATE-N-LOK product allowing existing applications to be upgraded to splash proof system
- Insulation diameter 2.79 - 3.30mm passed IP 57 and IP 56 for insulation diameter of 1.52 - 2.79mm
- Uses 2 wire seals and one interface seal

Specification:

Material - Silicone rubber

For use with:

Universal MATE-N-LOK
Housings Plug & Cap - Page 64



No. of Circuits	Style	Part Number	
		Interface Seal	Wire Seal
2	In-Line	794269-1	794270-1
3	In-Line	794271-1	794272-1
4	In-Line	794273-1	794274-1
6	Matrix	794275-1	794276-1
9	Matrix	794277-1	794278-1
12	Matrix	794279-1	794280-1
15	Matrix	794281-1	794282-1

All products compliant with the RoHS 2002/95/EC directive



Universal MATE-N-LOK Contacts

- Dual locking lances provide contact stability
- Low contact mating force
- Contacts accept 30 - 10 AWG with insulation capacity to 5.1 mm diameter
- Pin & Socket contacts can be loaded either in Plug & Cap housings

Specification:

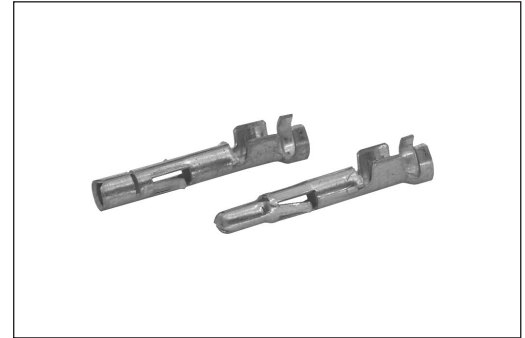
Contacts - Brass or phosphor bronze, tin plated

Durability - 50 cycles

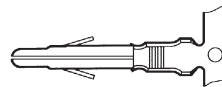
Current Rating - 19A max.

For use with:

Universal MATE-N-LOK Housings - Page 64



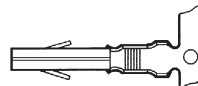
Crimp Snap-In Pin Contacts



Wire Size Range	Insulation Diameter	Material	Packaging	Part Number	
				Contact	Split Pin
0.20 - 0.80	1.00 - 2.50	Brass	Tape and Reel	926885-1	926886-1
		Phosphor bronze	Loose Piece	926896-1	-
0.50 - 2.10	1.50 - 3.30	Brass	Tape and Reel	926883-1 ¹	926887-1 ²
		Phosphor bronze	Loose Piece	926894-1	-
	3.30 - 5.10	Brass	Tape and Reel	926883-3	926887-3
		Phosphor bronze	Tape and Reel	350538-1	-
1.50 - 2.50	3.30 - 5.10	Brass	Tape and Reel	926868-1	926899-1
		Phosphor bronze	Tape and Reel	926868-3	-
3.00 - 5.00	max 5.1	Phosphor bronze	Tape and Reel	350922-3	-

1. Alternative 350218-1
2. Alternative 350687-1

Crimp Snap-In Socket Contacts



Wire Size Range	Insulation Diameter	Material	Packaging	Part Number
				Contact
0.20 - 0.80	1.00 - 2.50	Brass	Tape and Reel	926884-1
		Phosphor bronze	Loose Piece	926895-1
0.50 - 2.10	1.50 - 3.30	Brass	Tape and Reel	926882-1 ¹
		Phosphor bronze	Loose Piece	926893-1
	3.30 - 5.10	Brass	Tape and Reel	926882-3 ²
		Phosphor bronze	Loose Piece	926893-3
1.50 - 2.50	3.30 - 5.10	Brass	Tape and Reel	350537-1
		Phosphor bronze	Tape and Reel	926869-1
3.00 - 5.00	max 5.1	Brass	Tape and Reel	926869-3
		Phosphor bronze	Tape and Reel	350923-3

1. Alternative 350536-1
2. Alternative 350536-3

Universal MATE-N-LOK Headers

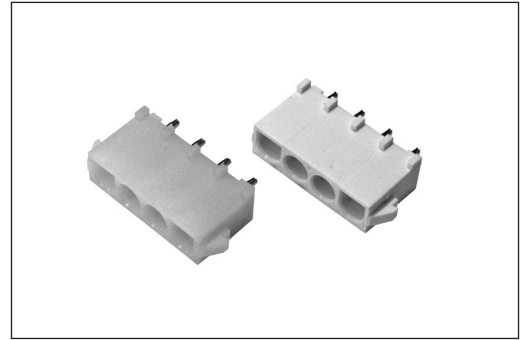
- Pin & Socket headers available in vertical and right-angle style
- Solder tail diameter 1.57mm
- To be used in 1.57mm PCB thickness

Specification:

Housing - Nylon
Contacts - Phosphor bronze, tin plated

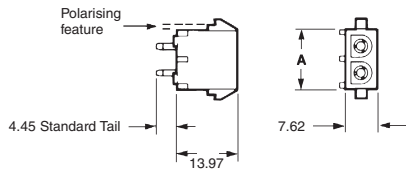
Mating Connectors:

Universal MATE-N-LOK
Housings Plug & Cap - Page 64



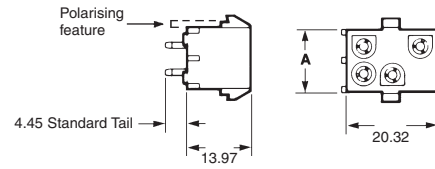
PC Board Vertical Pin Headers

2, 3, 4 and 5 Circuit, In-line



No. of Circuits	Dimension A	Flammability Rating	Part Number
2	13.97	UL94V-2	350428-1
		UL94V-0	350786-1
3	20.32	UL94V-2	350429-1
		UL94V-0	350789-1
4	26.67	UL94V-2	350430-1
		UL94V-0	350792-1
5	33.02	UL94V-2	640466-1
		UL94V-0	640900-1

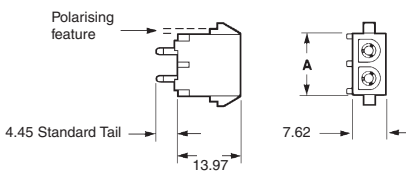
6, 9, 12 and 15 Circuit, Matrix



No. of Circuits	Dimension A	Flammability Rating	Part Number
6	13.97	UL94V-2	350431-1
		UL94V-0	350711-1
9	20.32	UL94V-2	350432-1
		UL94V-0	350712-1
12	26.67	UL94V-2	350433-1
		UL94V-0	350713-1
15	33.02	UL94V-2	350434-1
		UL94V-0	350714-1

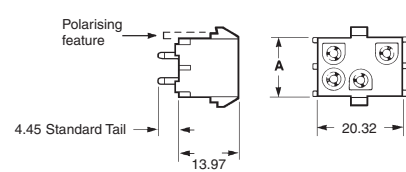
PC Board Vertical Socket Headers

2, 3, 4 and 5 Circuit, In-line



No. of Circuits	Dimension A	Flammability Rating	Part Number
2	14.00	UL94V-0	826846-3
3	20.32	UL94V-0	350825-1
4	26.70	UL94V-0	826848-3
5	33.02	UL94V-0	640901-1

6, 9, 12 and 15 Circuit, Matrix

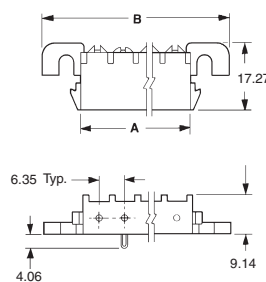


No. of Circuits	Dimension A	Flammability Rating	Part Number Standard Tail
6	13.97	UL94V-0	350827-1
9	20.32	UL94V-0	350828-1
12	26.67	UL94V-0	350829-1
15	33.02	UL94V-0	350830-1

PC Board Right-Angle Pin Headers

2, 3, 4 and 5 Circuit, In-line

No. of Circuits	Dimension A	Dimension B	Flammability Rating	Part Number
2	13.97	31.62	UL94V-0	1-350942-0
3	20.32	37.97	UL94V-0	1-350943-0
4	26.67	44.32	UL94V-0	1-350944-0
5	33.02	50.67	UL94V-0	1-350945-0

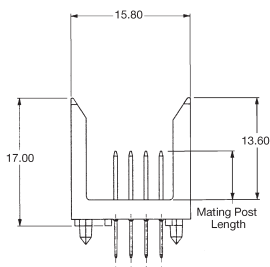
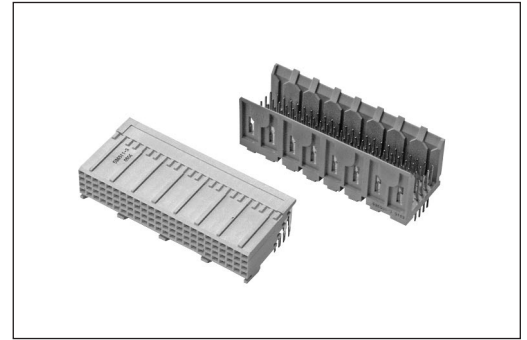


Z-PACK 2mm FB (Futurebus+) Connectors

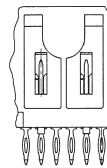
- High density connections: four-row and five-row, 2mm x 2mm circuit grid
- Module assemblies are end-to-end stackable
- UL & CSA Approved

Specification:

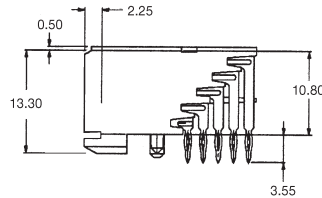
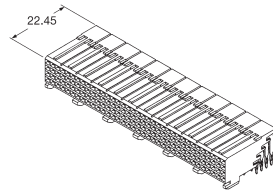
Housing - High temperature LCP
Contacts - 0.76µm gold



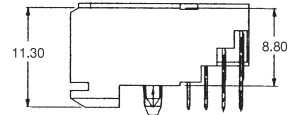
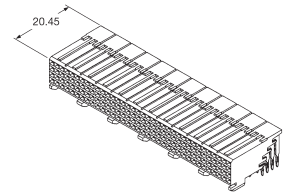
Solder Leads



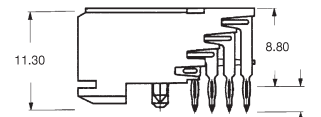
Compliant Press-Fit Leads



Compliant Press-Fit Leads



Solder Leads



Compliant Press-Fit Leads

Connector Style	No. of Signal Rows	No. of Contacts	Mounting Style	Termination Style	Part Number
Male	4	48	Vertical	Solder	5536501-2
Male	4	96	Vertical	Solder	5536501-3
Male	4	24	Vertical	Press-Fit	5536514-1
Male	4	48	Vertical	Press-Fit	5536504-2
Male	4	96	Vertical	Press-Fit	5536504-3
Male	4	192	Vertical	Press-Fit	5536504-4
Female	4	24	Right Angle	Solder	5536507-1
Female	4	48	Right Angle	Solder	5536507-2
Female	4	96	Right Angle	Solder	5536507-3
Female	4	192	Right Angle	Solder	5536507-4
Female	4	24	Right Angle	Press-Fit	5536511-1
Female	4	48	Right Angle	Press-Fit	5536511-2
Female	4	96	Right Angle	Press-Fit	5536511-3
Female	4	192	Right Angle	Press-Fit	5536511-4
Male	5	30	Vertical	Press-Fit	5223016-1
Male	5	60	Vertical	Press-Fit	5223016-2
Male	5	120	Vertical	Press-Fit	5223016-4
Female	5	30	Vertical	Press-Fit	5223008-1
Female	5	60	Vertical	Press-Fit	5223008-2
Female	5	120	Vertical	Press-Fit	5223008-4

ATCA / Advanced TCA Connectors

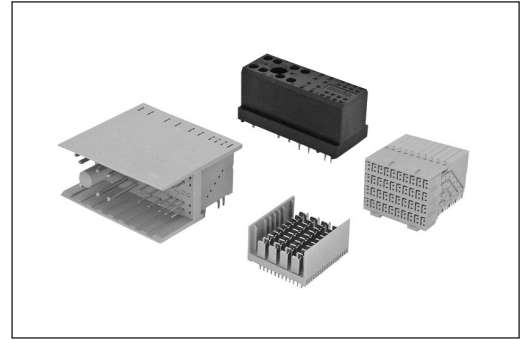
- Designed specifically for high speed differential applications
- Designed to PICMG 3.0 Standards
- Additional PCB retention hardware not required

Specification: Signal Connector

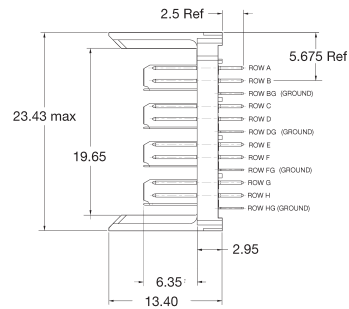
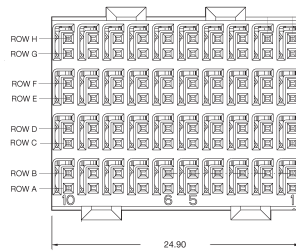
Housing - Glass filled polyester
Contacts - 0.76µm gold over nickel
Transmission Speed - 3.125Gb/s

Specification: Power Connector

Housing - Glass filled thermoplastic
Current Rating - Signal 1A, Power 16A
Durability - 250 mating cycles

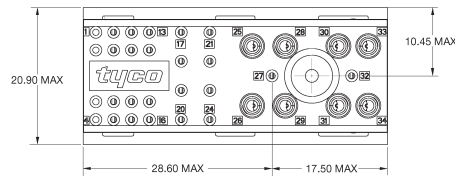
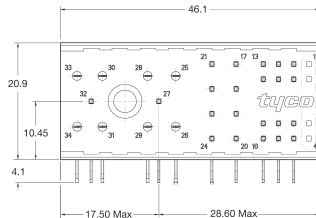


Signal Connectors



Product Description	Mounting Style	Part Number
HMZd - ATCA Backplane Connector - Vertical	Press-Fit	6469002-1
HMZd - ATCA Daughter Card Connector - Right Angle	Solder	6469001-1

Power Connectors



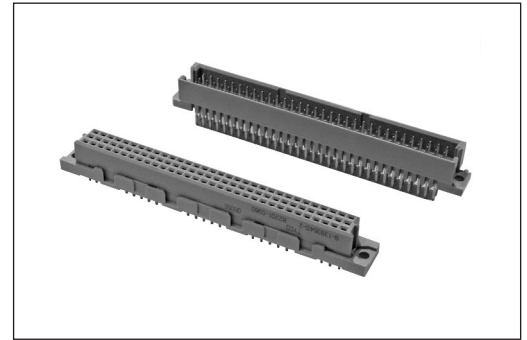
Product Description	Mounting Style	Part Number
Zone 1 Backplane Power Connector - Vertical	Press-Fit	1766501-1
Zone 1 Daughter Card Connector - Right Angle	Press-Fit	1766500-1

DIN 41612 - Eurocard Connectors

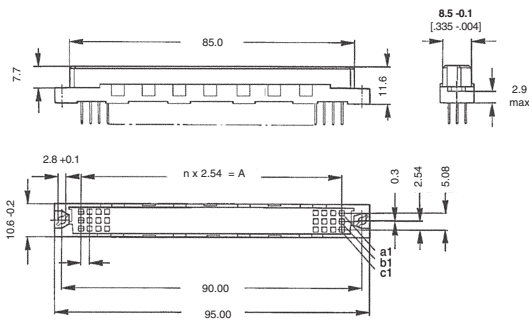
- Industry standard 2 piece backplane connector
- DIN level II

Specification:

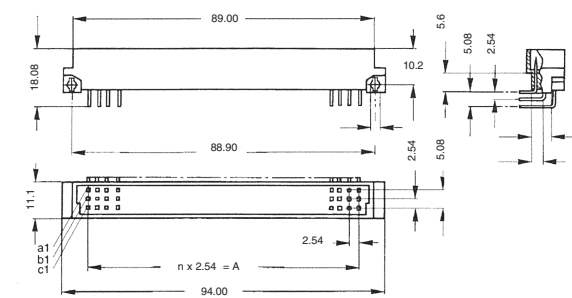
Current - 1A
Durability - 200 mating cycles



Female Connectors



Male Connectors



Series	Connector Type	Mounting Style	No. of Positions	Loaded Rows	Termination Style	Part Number
Type C	Male	Right Angle	64	A + C	Solder	9-1393644-4
Type C	Male	Right Angle	96	A + B + C	Solder	9-1393644-1
Type C	Female	Straight	64	A + C	Solder	9-1393640-3
Type C	Female	Straight	96	A + B + C	Solder	9-1393640-2
Type C	Female	Straight	64	A + C	Press-Fit	4-1393637-9
Type C	Female	Straight	96	A + B + C	Press-Fit	4-1393637-6
Type R	Female	Right Angle	96	A + B + C	Solder	3-1393656-4
Type R	Male	Straight	96	A + B + C	Solder	2-1393659-8
Type R	Male	Straight	96	A + B + C	Press-Fit	650889-5

Flat Ribbon Cable for IDC Termination

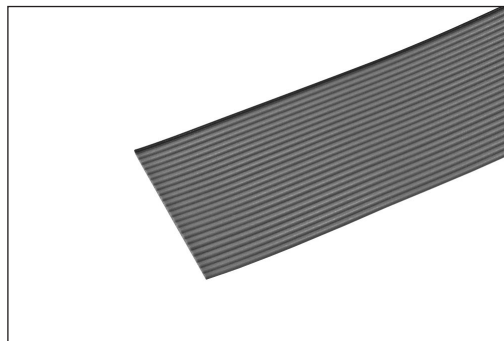
- High quality cable with identification stripe
- Convenient reel lengths
- UL & CSA approved

Specification:

Insulation - PVC, grey
Construction - 28 AWG (7/36) stranded
Pitch - 1.27mm

For use with:

AMP-Latch Connectors - Page 34
 Amplimite HDF Connectors - Page 77
 MicroMatch Connectors - Pages 32 & 33



971111 Series for AMP-Latch and Amplimite HDF

No. of Ways	Reel Length	Part Numbers
9	152m	1-971111-2
10	152m	1-971111-3
14	152m	1-971111-4
15	152m	1-971111-5
16	152m	1-971111-6
20	152m	971111-1
25	152m	971111-2
26	152m	971111-3
34	152m	971111-4
37	152m	1-971111-8
40	152m	971111-5
50	152m	971111-6

162400 Series for MicroMatch

No. of Ways	Reel Length	Part Numbers
4	30m	162400-4
6	30m	162400-6
8	30m	162400-8
10	30m	1-162400-0
12	30m	1-162400-2
14	30m	1-162400-4
16	30m	1-162400-6
18	30m	1-162400-8
20	30m	2-162400-0

Product specifications and drawings - enter part number at www.tycoelectronics.com

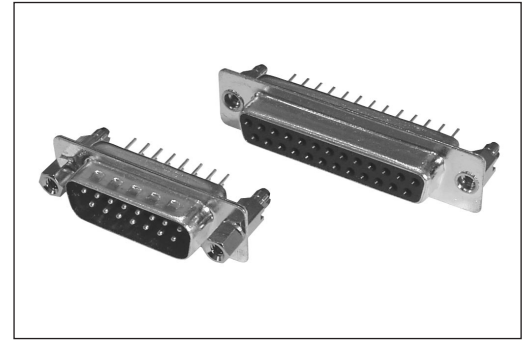


**Amplimite TDE Series
PCB Mount Vertical - Commercial**

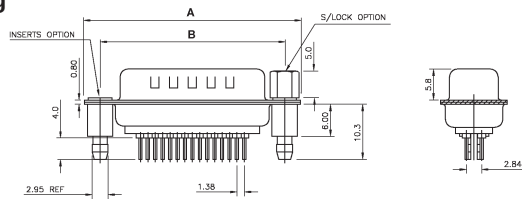
- Low cost
- Complete with PCB boardlocks
- Gold plated contacts
- UL approved

Specification:

- Shell** - Steel, tin plated
Insert - Thermoplastic, black
 UL 94V-0
Contacts - Phosphor bronze
 0.38µm gold plated
Current Rating - 3A

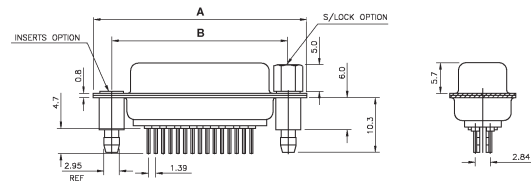


Plug



No. of Positions	Dimensions		Part Number	
	A	B	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	24.99	1-1634218-2	3-1634218-2
15	39.20	33.32	1-1634219-2	3-1634219-2
25	53.10	47.08	1-1634220-2	3-1634220-2
37	69.40	63.51	1-1634221-2	3-1634221-2

Socket



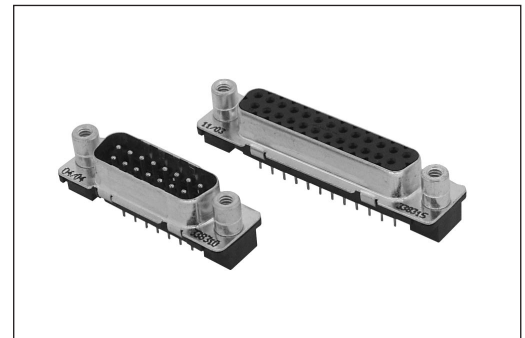
No. of Positions	Dimensions		Part Number	
	A	B	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	24.99	1-1634222-2	3-1634222-2
15	39.20	33.32	1-1634223-2	3-1634223-2
25	53.10	47.08	1-1634224-2	3-1634224-2
37	69.40	63.51	1-1634225-2	3-1634225-2

Amplimite PCB Mount Vertical - Industrial

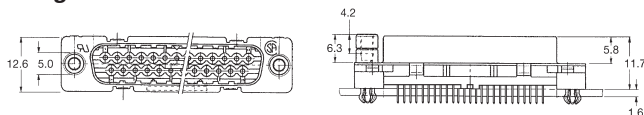
- Industry standard design
- Intermateable with industry standard products
- Complete with PCB boardlocks

Specification:

- Housing** - Glass filled polyester
 black, UL 94V-0
Shell - Steel, tin plated
Contacts - Phosphor bronze
 0.80µm gold plated
Current Rating - 6A

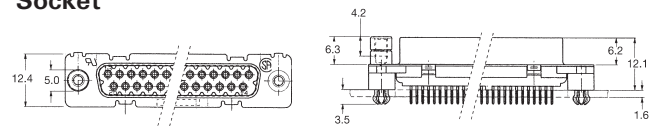


Plug



No. of Positions	Part Number	
	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	1-338309-2	3-338309-2
15	1-338310-2	3-338310-2
25	1-338311-2	3-338311-2
37	1-338312-2	3-338312-2

Socket



No. of Positions	Part Number	
	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	1-338313-2	3-338313-2
15	1-338314-2	3-338314-2
25	1-338315-2	3-338315-2
37	1-338316-2	3-338316-2

**Amplimite TDE Series PCB Mount Right Angle
European Standard Footprint - Commercial**

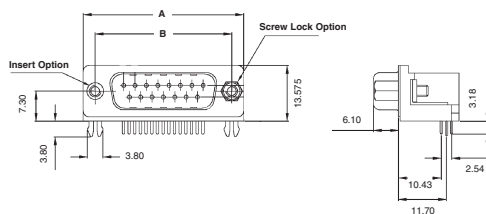
- Low cost
- Complete with PCB boardlocks
- Footprint to DIN41652 variant 2
- Gold plated contacts
- UL approved

Specification:

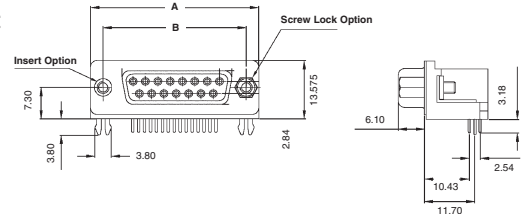
- Shell** - Steel, tin plated
Insert - Thermoplastic, black
 UL 94V-0
Contacts - Phosphor bronze
 0.38µm gold plated
Current Rating - 5A



Plug



Socket



No. of Positions	Dimensions		Part Number	
	A	B	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	24.99	1-1634580-2	3-1634580-2
15	39.20	33.30	1-1634581-2	3-1634581-2
25	53.10	47.04	1-1634582-2	3-1634582-2
37	69.50	63.50	1-1634583-2	3-1634583-2

No. of Positions	Dimensions		Part Number	
	A	B	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	24.99	1-1634584-2	3-1634584-2
15	39.30	33.30	1-1634585-2	3-1634585-2
25	53.10	47.04	1-1634586-2	3-1634586-2
37	69.50	63.50	1-1634587-2	3-1634587-2

**Amplimite PCB Mount Right Angle
US Standard Footprint 8.08mm - Industrial**

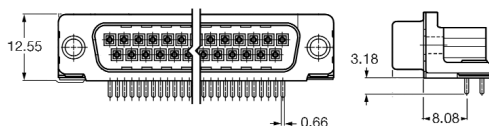
- Board mount Plug & Socket
- US standard footprint

Specification:

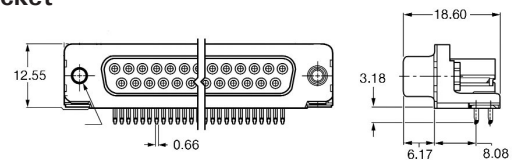
- Housing** - Glass filled polyester
 black, UL 94V-0
Shell - Steel, tin plated
Contacts - Phosphor bronze
 0.76µm gold plated
Current Rating - 6A



Plug



Socket



No. of Positions	Part Number	
	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	5747840-4	5747840-6
15	5747841-4	5747841-6
25	5747842-4	5747842-6
37	5747843-4	5747843-6

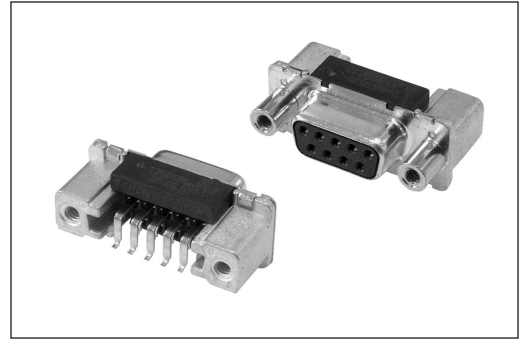
No. of Positions	Part Number	
	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	5747844-4	5747844-6
15	5747845-4	5747845-6
25	5747846-4	5747846-6
37	5747847-4	5747847-6

**Amplimite PCB Mount Right Angle
Advanced Design Surface Mount Connector**

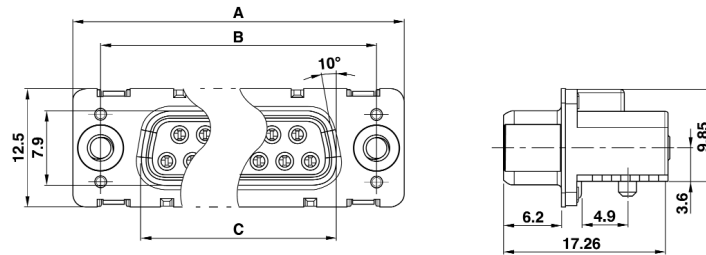
- Controlled centre of gravity ensures stability during and after placement
- Fully pick and place capable without force using standard vacuum methods
- Large mounting brackets provide grounding and exceptional mechanical retention
- Low 3.6mm mounting height saves valuable space between circuit boards

Specification:

- Shell** - Steel, tin plated
Housing - PCT-GV, UL 94V-0
Contacts - CuMg 0.80µm gold plated
Current Rating - 4.5A max

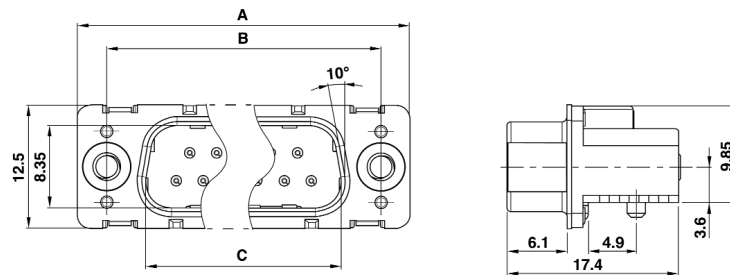


Plug



No. of Positions	A	Dimension		Part Number	
		B	C	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	25.00	16.33	1-1740195-2	3-1740195-2
15	39.20	33.32	24.66	1-1740197-2	3-1740197-2
25	53.05	47.05	38.37	1-1740199-2	3-1740199-2
37	69.40	63.50	54.83	1-1740201-2	3-1740201-2

Socket



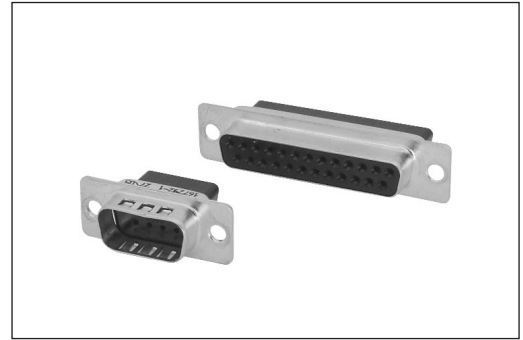
No. of Positions	A	Dimension		Part Numbers	
		B	C	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	25.00	16.92	1-1740194-2	3-1740194-2
15	39.20	33.32	25.25	1-1740196-2	3-1740196-2
25	53.05	47.05	38.96	1-1740198-2	3-1740198-2
37	69.40	63.50	55.42	1-1740200-2	3-1740200-2

Amplimite Cable Mounting Crimp Termination

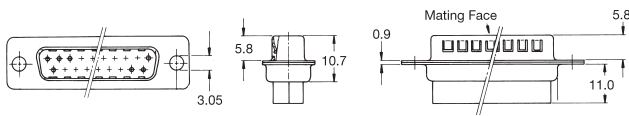
- Uses crimp contact technology
- Allows selective loading of contacts
- Fully intermateable with industry standard products

Specification:

Housing - Glass filled thermoplastic
black, UL94V-0
Front Shell - Steel, tin plated
Current Rating - 3.7A

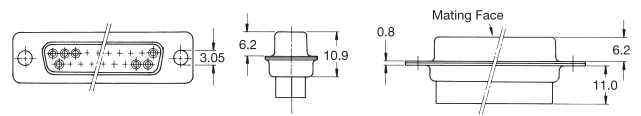


Pin Connector Housing



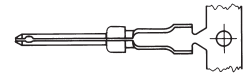
No. of Positions	Part Number
9	167292-1
15	167293-1
25	167294-1
37	167295-1

Socket Connector Housing



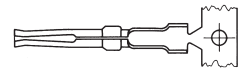
No. of Positions	Part Number
9	164531-4
15	164532-4
25	164533-4
37	164534-4

Crimp Snap-In Plug Contacts



Wire Size AWG	Reel of 12500 Contacts	Part Number Reel of 500 Contacts	Bag of 100 Loose Contacts
20 - 24	166053-1	5-166053-1	166293-1
24 - 28	166054-1	5-166054-1	166294-1

Crimp Snap-In Socket Contacts



Wire Size AWG	Reel of 12500 Contacts	Part Number Reel of 500 Contacts	Bag of 100 Loose Contacts
20 - 24	166051-1	5-166051-1	166291-1
24 - 28	166052-1	5-166052-1	166292-1

*Find application tooling at
www.tooling.tycoelectronics.com*

See page 138 for details



Amplimite Cable Mount Solder Termination

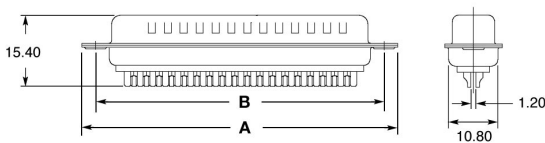
- Anti solder wicking contact design
- Gold plated contacts

Specification:

- Shell** - Steel, tin plated
Insert - Thermoplastic, black
 UL 94V-0
Contacts - Phosphor bronze
Current Rating - 3A max.

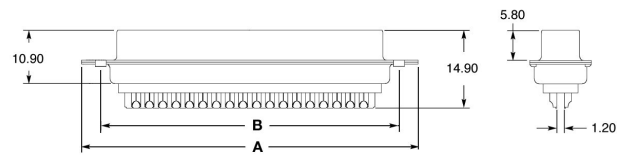


Plug



No. of Positions	Dimensions		Part Number
	A	B	
9	30.80	24.99	5-747904-2
15	39.20	33.32	5-747908-2
25	53.01	47.04	5-747912-2
37	69.40	63.50	5-747916-2

Socket



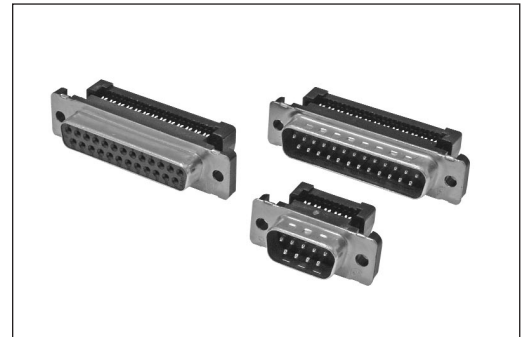
No. of Positions	Dimensions		Part Number
	A	B	
9	30.80	24.99	5-747905-2
15	39.20	33.32	5-747909-2
25	53.01	47.04	5-747913-2
37	69.40	63.50	5-747917-2

Amplimite HDF Cable Mount Ribbon Cable Termination

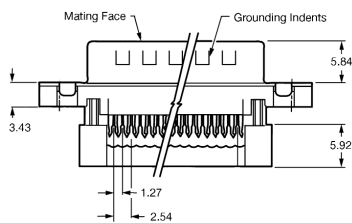
- Uses standard 1.27mm pitch ribbon cable
- Cover pre-assembled for ease of use

Specification:

- Housing** - Glass filled polyester
 black, UL 94V-0
Shell - Steel, tin plated
Contacts - Phosphor bronze
Current Rating - 6A

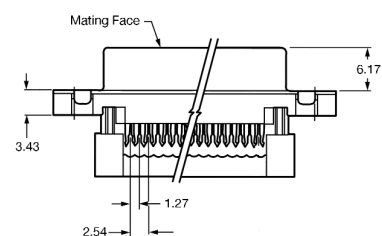


Metal Plug



No. of Positions	Part Number
9	1658613-4
15	1658613-3
25	1658613-2
37	1658613-1

Metal Socket



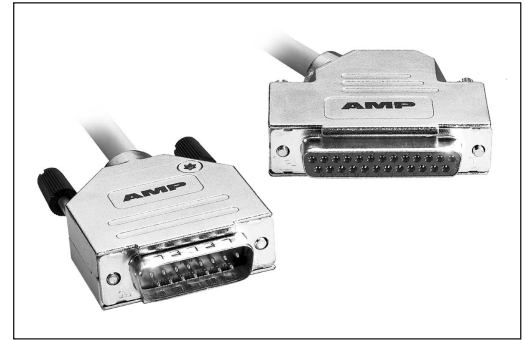
No. of Positions	Part Number
9	1658612-4
15	1658612-3
25	1658612-2
37	1658612-1

**Amplimite ADK Series
Single Entry Die-Cast Backshell**

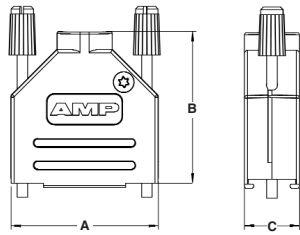
- Straight or 45° cable entry
- Complete with jackscrews
- Excellent EMI/RFI shielding
- Supplied cable grommets suitable for 4 to 13mm cable diameters

Specification:

- Shell** - Zinc die-cast, nickel plated
Cable - Steel fibre reinforced
grommets polycarbonate UL94V-0

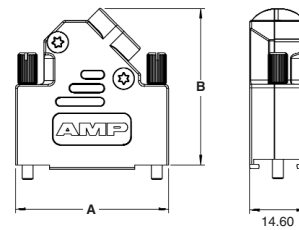


Straight Entry



No. of Positions	Dimensions			Part Number
	A	B	C	
9	31.00	38.30	14.60	1478762-9
15	39.50	40.50	14.60	1-1478762-5
25	53.20	47.30	14.60	2-1478762-5
37	70.90	52.20	15.00	3-1478762-7

45° Entry



No. of Positions	Dimensions		Part Number
	A	B	
9	31.00	36.20	1478763-9
15	39.50	40.20	1-1478763-5
25	53.20	40.20	2-1478763-5
37	69.70	40.20	3-1478763-7

Amplimite Dual Entry Die-Cast Backshell

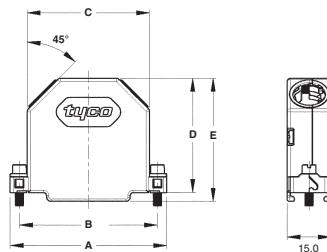
- Ideal for daisy chain connection
- Complete with jackscrews
- Excellent EMI/RFI shielding
- Simple screw clamp for cable fixing
- Includes blanking plate for end of cable run

Specification:

- Shell** - GD - Zn
Cable Clamp - Steel, zinc plated



Straight Entry



No. of Positions	Dimensions					Part Number
	A	B	C	D	E	
9*	31.1	25.0	27.0	35.0	38.0	1534805-1
15	39.5	33.3	33.0	39.0	42.0	1534807-1
25	53.3	47.0	41.7	39.0	42.0	1534809-1
37	69.8	63.5	58.2	39.0	42.0	1534811-1

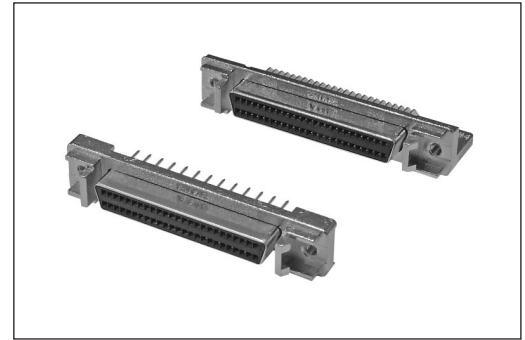
Recommended cable diameter: 4.8mm - 11mm (*4.8mm - 9mm)

Amplimite .050 Series Headers / SCSI

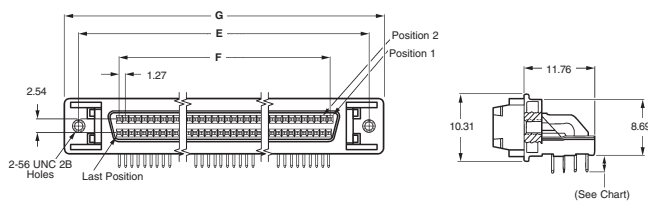
- Compatible with SCSI-2 + SCSI-3 standards
- 26 through 100 positions
- Vertical and right angle headers

Specification:

- Housing** - Thermoplastic, UL 94V-0, black, SMT compatible
- Shell** - Steel, plated bright nickel over copper
- Bracket** - Zinc, plated nickel over copper
- Contacts** - Phosphor bronze, duplex plated
0.76µm min gold on mating end;
tin-lead on solder end

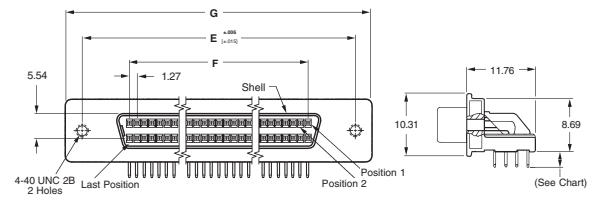


Right Angle Receptacle Headers - Through Hole With Rails and Latches + Board Locks



No. of Positions	Dimension D	Dimension K	Part Number
26	15.62	27.05	1761028-1
40	20.07	35.94	1761028-2
50	23.24	42.29	1761028-3
68	28.96	53.72	1761028-4
100	39.12	74.04	1761028-5

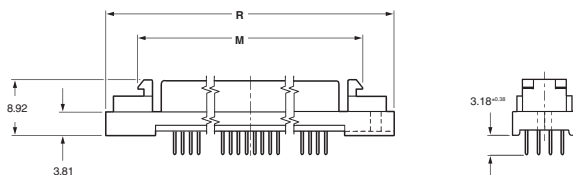
Right Angle Receptacle Headers - Through Hole With Board Locks



No. of Positions	D	Dimension E	F	G	Part Number
50	23.24	46.48	30.48	52.45	5787170-5
68	28.96	57.91	41.91	63.88	5787170-7
100	39.12	78.93	62.23	84.20	5787170-9

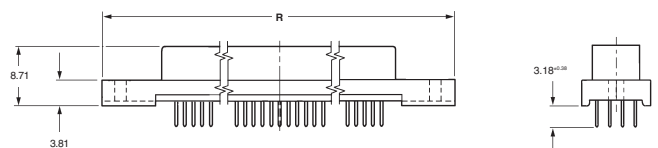
Note: Female screwlocks must be used to mate with cable assemblies with male jackscrew hardware

Vertical Receptacle Headers - Through Hole With Rails and Latches



No. of Positions	Dimension M	Dimension R	Part Number
26	27.05	37.21	5749069-2
50	42.29	52.45	5749069-5
68	53.72	63.88	5749069-7
100	74.04	84.20	5749069-9

Vertical Receptacle Headers - Through Hole



No. of Positions	Dimension R	Part Number
50	50.45	5749070-5
68	63.88	5749070-7
100	84.20	5749070-9

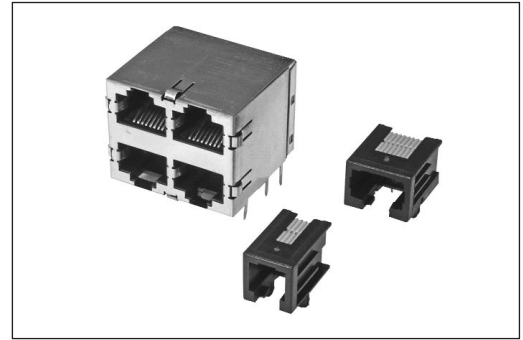
Note: Female screwlocks must be used to mate with cable assemblies with male jackscrew hardware

Modular Jacks

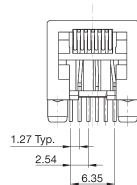
- Full range of modular jacks
- Shielded and unshielded versions
- 750 mating cycles

Specification:

Housing - Polyester
Contacts - Gold over nickel
Current Rating - 1.5A

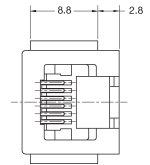


Side Entry - Through Hole



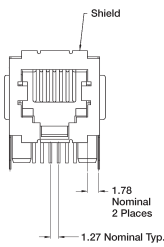
Style	Part Number
4 Position / 4 Contact	1-1705949-1
6 Position / 4 Contact	1-1705950-2
6 Position / 6 Contact	1-1705950-1
8 Position / 8 Contact	1-1705951-1

Top Entry - Through Hole



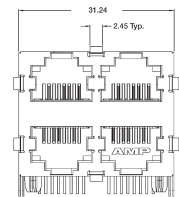
Style	Part Number
4 Position / 4 Contact	5520257-2
6 Position / 4 Contact	5520258-2
6 Position / 6 Contact	216548-1
8 Position / 8 Contact	216550-1

Shielded - Side Entry - Panel and PCB Ground Through Hole



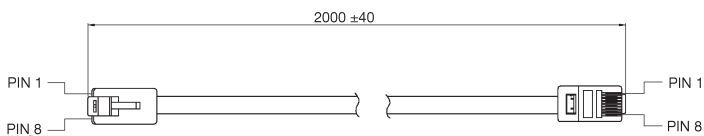
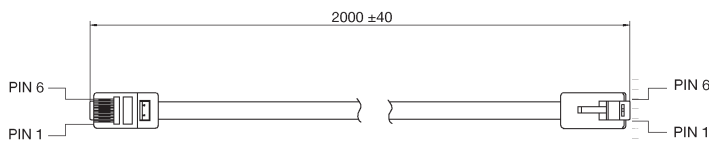
Style	Part Number
6 Position / 6 Contact	5555140-1
8 Position / 8 Contact	106066-2

Shielded - Stacked Through Hole



Style	Number of Ports	Part Number
8 Position / 8 Contact	2 x 1	5569381-1
8 Position / 8 Contact	2 x 2	5569260-1
8 Position / 8 Contact	2 x 4	5569262-1

Cable Assemblies



Product Description	Assembly Length (metres)	Part Number
RJ11 Modem/telephone Cable 6 Position/4 Contact - colour grey	2.00	1820513-1
RJ45 Wlan/ISDN cable 8 Position / 8 Contact - colour grey	2.00	1820511-1

Modular Jacks with Integrated Magnetics (MAG 45)

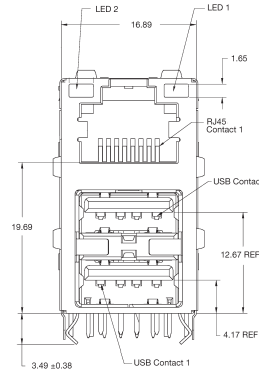
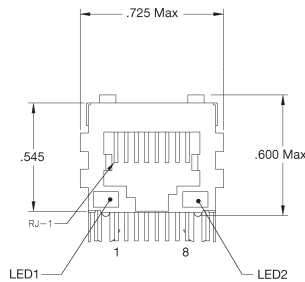
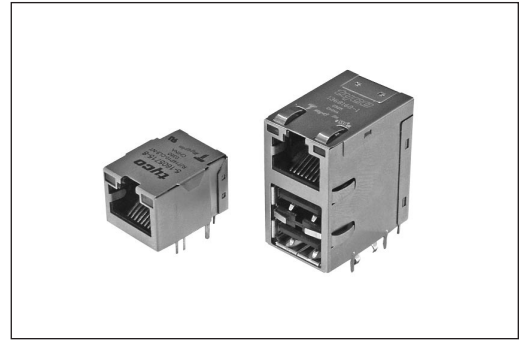
- Single port
- Through hole
- UL recognised UL94V-0
- IEEE 802.3 & ANSI X3.263 compliant
- Supports all appropriate and available PHY Chips and applications

Specification:

Housing - Thermo plastic polyester

Impedance - 100 Ohm

Connector Style - RJ45 / 8 Position



10/100 Base T Ethernet - Through Hole - Side Entry

Tab Direction	LEDs	Stacked	No. of Ports	Profile	Part Number
Down	None	No	1	Standard	6605424-1
Down	Green / Yellow	No	1	Standard	5-6605308-1
Up	None	No	1	Standard	6605759-1
Up	Green / Yellow	No	1	Standard	5-6605758-1
Up	Green / Yellow / Orange + Green / Yellow / Orange	No	1	Low Profile	1368458-2
Up	None	No	1 x 2	Standard	5-6610000-1
Up	None	No	1 x 6	Standard	5-6610084-1
Up	Yellow + Green / Orange	Yes over USB	1 x RJ45 + 2 x USB	Standard	6620004-1

10/100 Power Over Ethernet (POE) - Through Hole - Side Entry

Tab Direction	LEDs	Stacked	No. of Ports	Profile	Part Number
Down	Green / Green	No	1	Standard	1-6605310-1
Up	Green / Green	No	1	Standard	1-6605834-1

Gigabit Ethernet - Through Hole - Side Entry

Tab Direction	LEDs	Stacked	No. of Ports	Profile	Part Number
Down	Green / Yellow + Green / Yellow	No	1	Standard	6605444-6
Up	Green / Yellow + Green / Yellow	No	1	Standard	6605814-6
Up	Green / Yellow / Orange + Green / Yellow / Orange	No	1	Standard	1368398-2

Shielded Data Link (SDL)

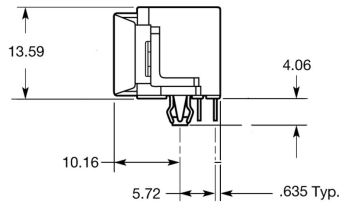
- Cost-effective shielded connector for data interconnection
- Miniature size minimises pc board real estate
- Plug accepts 28 - 24 AWG cable
- Durability tested up to 3000 cycles
- UL & CSA approved

Specification:

Current/Voltage Rating - 30 VAC / 42 VDC at 1.5A max
Operating Temperature --20°C to +80°C
Shielding Effectiveness - 20 dB min. from 30 MHz to 500 MHz
 and 10 dB min. from 500 MHz to 1 GHz

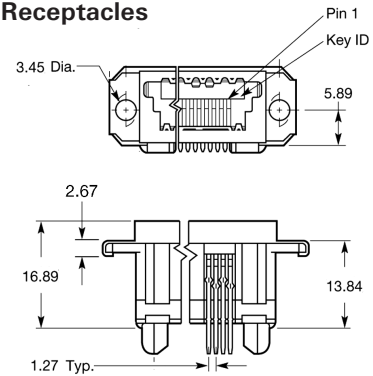


Side Entry Receptacles with Ground



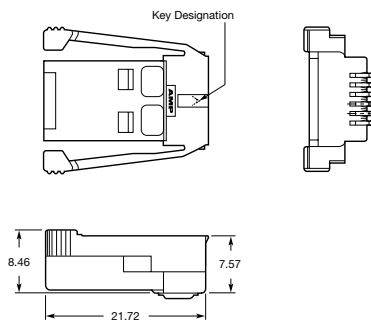
No. of Positions	Part Number
4	1-1761185-1
6	1-1761185-2
8	1-1761185-3
16	5-1761185-6

Top Entry Receptacles



No. of Positions	Part Number
4	1-1761183-1
6	1-1761183-2
8	1-1761183-3
16	5-1761183-6

Plug Assemblies for Round Cable - (24/26 AWG)



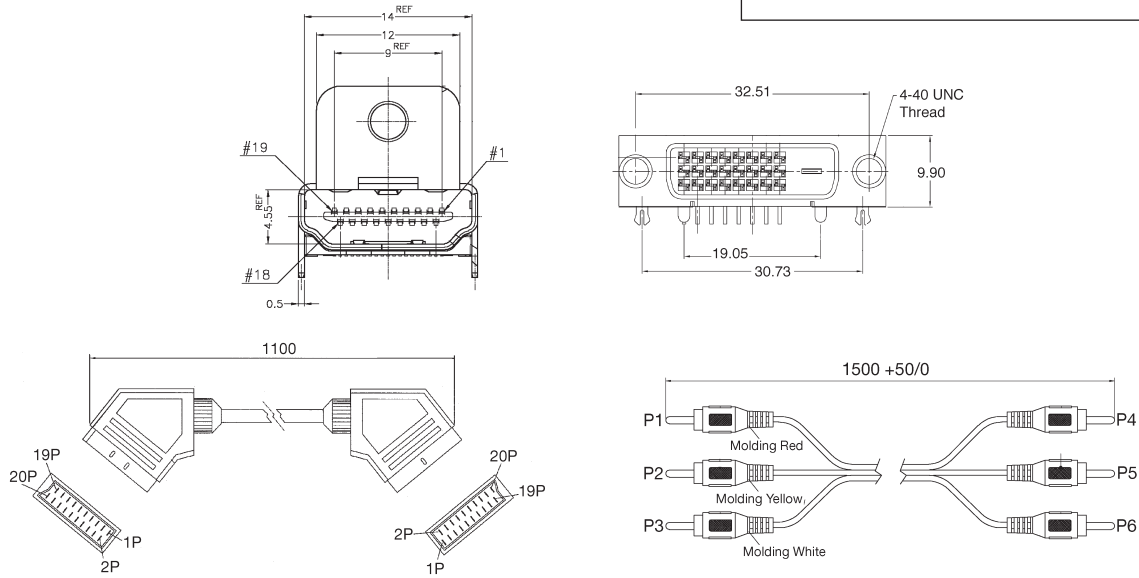
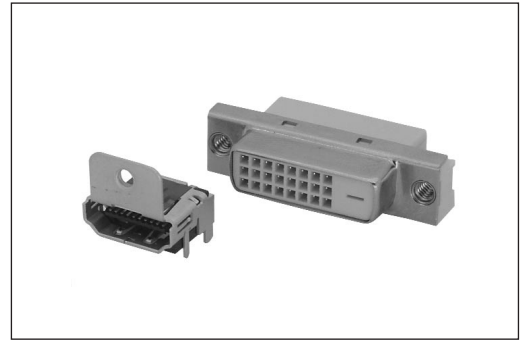
No. of Positions	Part Number
4	1-520424-1
6	1-520424-2
8	1-520424-3
16	5-520424-6

Plug Assemblies for Flat Cable - (24/26 AWG)

No. of Positions	Part Number
4	1-1761184-1
6	1-1761184-2
8	1-1761184-3
16	5-1761184-6

**HDMI / DVI / Scart / RCA
Connectors and Cable Assemblies**

- Industry standard interfaces
- Board mount connectors with interconnecting cable assemblies and adaptors



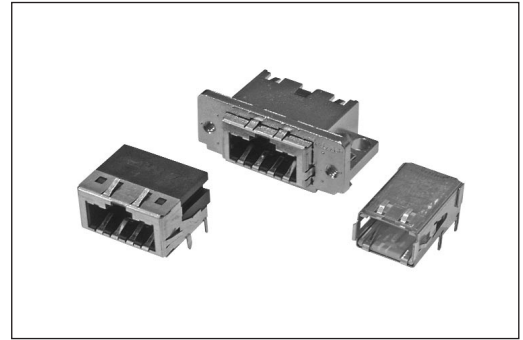
Product Style	Description	Mounting Style	Length (metres)	Part Number
DVI	DVI Analog + Digital Receptacle - Right Angle	Through Hole	-	1734148-1
DVI	DVI-D Digital Receptacle - Right Angle	Through Hole	-	1734144-1
DVI	DVI - Analog to VGA Cable assembly	Cable Assembly	2.00	1653932-2
HDMI	19 Position Receptacle with Flange (M3 Screw) - Right Angle	SMT	-	1-1747981-1
HDMI	19 Position Receptacle without Flange - Right Angle	SMT	-	1747981-1
HDMI	HDMI to HDMI Cable Assembly	Cable Assembly	1.00	1770019-6
HDMI	HDMI to HDMI Cable Assembly	Cable Assembly	2.00	1770019-1
HDMI	HDMI to HDMI Cable Assembly	Cable Assembly	3.00	1770019-2
HDMI	HDMI Female to DVI Male Adaptor	Adaptor	-	9-1857144-1
DVI / HDMI	DVI Digital to HDMI Cable Assembly	Cable Assembly	1.00	1770020-6
DVI / HDMI	DVI Digital to HDMI Cable Assembly	Cable Assembly	2.00	1770020-1
DVI / HDMI	DVI Digital to HDMI Cable Assembly	Cable Assembly	3.00	1770020-2
RCA Cable	RCA Audio/Video Cable Assembly Yellow/Red/White male connectors	Cable Assembly	1.50	1820515-1
Scart	Scart Cable Assembly	Cable Assembly	1.10	1705095-1

High Speed Serial Connectors (Infiniband / Fibre Channel)

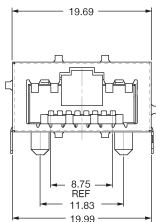
- InfiniBand 1.0 specification
- Fibre channel SEF copper
- High speed serial 2.125 Gb/s and beyond
- Shielded PCB receptacle

Specification:

- Housing** - LCP
Contacts - Gold over nickel/phosphor bronze
Durability - Up to 250 mating cycles

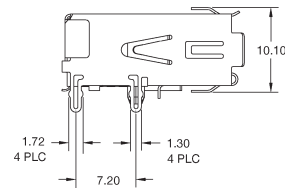


HSSDC Receptacle - Right Angle



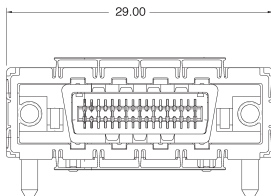
Description	Mounting Style	Part Number
8 position	SMT	1658250-1
8 position - Panel mount with board locks	SMT	5636181-1

HSSDC 2 Receptacle - Right Angle



Description	Mounting Style	Part Number
Infiniband Specification	SMT	1761069-1
Fibre Channel Specification	SMT	1761072-1

Infiniband Connector - Right Angle



Description	Mounting Style	Part Number
4X Infiniband PCB Mount Receptacle	SMT	1469662-1

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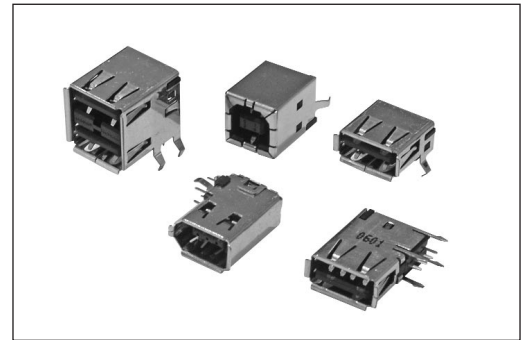


USB / IEEE 1394 Connectors and Cable Assemblies

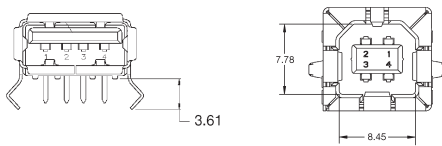
- Industry standard I/O connectors & cable assemblies
- USB 2.0 specification
- Cable assemblies intermateable with existing equipment

Specification:

Housing - Thermoplastic
Contacts - Gold flash

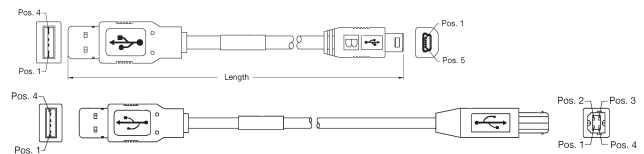


USB - Receptacles



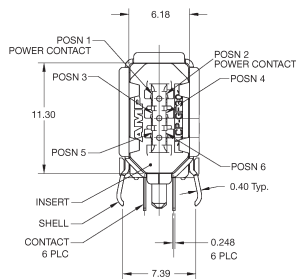
Product Description	Orientation	Mounting Style	Product Number
Type A	Right Angle	Through Hole	292303-1
Type A - Stacked	Right Angle	Through Hole	5787617-1
Type B	Right Angle	Through Hole	292304-1
Type B	Vertical	Through Hole	5787834-1
Type A - Flag Style	Right Angle	Through Hole	292336-1

USB - Cable Assemblies



Product Description	Cable Length (metres)	Product Number
2.0 Spec - Type A to Type B	1.00	1487587-1
2.0 Spec - Type A to Type B	1.50	1487588-2
2.0 Spec - Type A to Type B	2.00	1487588-1
USB A to Mini USB B	2.00	1496476-3

IEEE 1394 - Receptacle



Product Description	Orientation	Mounting Style	Product Number
Flag Style	Right Angle	Through Hole	5787956-1

IEEE 1394 - Cable Assemblies



Cable Length (metres)	Product Number
1.00	1324770-4
2.00	1324770-5
4.50	1324770-6

Shielded Circular & Mini Circular DIN Connectors

- Meets DIN standards 41524 & 45322
- Fully shielded
- UL/CSA approved

Specification:

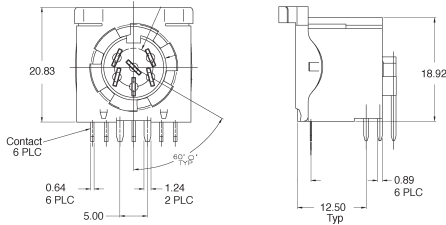
Voltage - 30VAC RMS or 30 VDC

Current Rating - 1A

Durability - 100 mating cycles

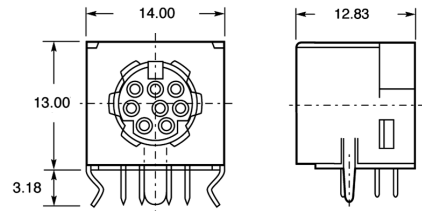


**Circular DIN Connectors - Right Angle
PCB Mount Connector - Shielded**



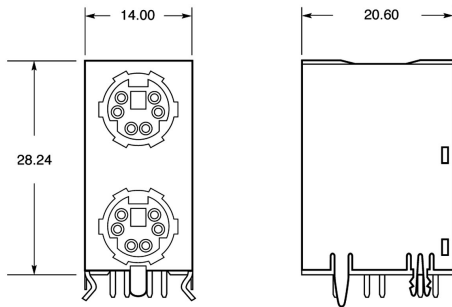
No. of Positions	Mounting Style	Part Number
5	Through Hole	5750477-1
6	Through Hole	5786676-1
8	Through Hole	5212047-1

**Mini Circular DIN Connectors - Right Angle
PCB Mount Connector - Shielded**



No. of Positions	Mounting Style	Part Number
4	Through Hole	5749230-1
6	Through Hole	5749231-1
8	Through Hole	1658998-1

**Mini Circular DIN Connectors -
Stacked (1 Keyboard & 1 Mouse Connector - P/S 2)**



No. of Positions	Mounting Style	Part Number
2 x 6	Through Hole	1734021-4

TRIAD 01 Shielded Subminiature Circular Connectors

- Small and lightweight, shielded round connector system
- Panel mount PCB versions 180° and 90°
- Panel mount - solder cup - 180° versions
- Field serviceable male and female connectors
- Single and double ended overmoulded cable
- Customised assemblies available



Specification:

Housing - CUZn, Tribor 4µm plated
Socket - PBT, UL94V-2
Current Rating - 3A max.
Temperature Range - -40°C to +85°C

Cable Mount Connectors

No. of Contacts	Wire Size Range (mm ²)	Male Connector with Pins	Female Connector with Sockets	Pin Contacts	Socket Contacts
3	0.25	1-1437719-5	3-1437719-0	5-1437720-4	5-1437720-6
	0.50	1-1437719-1	1-1437719-4		
5	0.25	2-1437719-1	3-1437719-6	5-1437719-1	5-1437720-7
	0.25 or 0.14	1-1437719-2	1-1437719-4		

Panel Mount Header - Solder or PCB Contacts

3 Contacts

Product Description	Part Number
Pins - 180° PCB Version	6-1437719-3
Sockets - 180° PCB Version	6-1437719-6
Pins - 180° Solder Version	8-1437719-1
Sockets - 180° Solder Version	9-1437719-6
Pins - 90° PCB Version	4-1437719-5
Sockets - 90° PCB Version	5-1437719-4

5 Contacts

Product Description	Part Number
Pins - 180° PCB Version	6-1437719-5
Sockets - 180° PCB Version	7-1437719-2
Pins - 180° Solder Version	8-1437719-7
Sockets - 180° Solder Version	1437720-3
Pins - 90° PCB Version	5-1437719-1
Sockets - 90° PCB Version	6-1437719-0

Cable Assemblies

Cable Assemblies with Over-moulded Male-Female Connector

No. of Poles	Cable Length	Part Number
3	1.0m	1-1437720-2
PVC Cable	3.0m	2-1437720-3
5	1.0m	1418053-1
PVC Cable	3.0m	3-1437720-1

Cable Assemblies with Over-moulded Male Connector

No. of Poles	Cable Length	Part Number
3	2.0m	2-1437720-0
PUR Cable	3.0m	1-1437720-9

No. of Poles	Cable Length	Part Number
3	2.0m	4-1437720-1
PVC Cable		

Accessories

Dust Caps for Male Connectors (Pins) & Female Connectors (Sockets)

Type	Part Number
Male Connector	1437719-5
Female Connector	1437719-8

Gender Changer

No. of Poles	Part Number
3	1-1437720-3
5	1-1437720-4

Micro CPC (Circular Plastic Connectors)

- Squeeze-to-release coupling mechanism offers positive latch or optional breakaway locking feature
- Panel mount receptacle offers jam nut mounting
- Keyed and polarised
- Sealed to IP65
- No assembly required
- No application tooling required
- Ink marked positive alignment indicators

Specification:

Housing - Thermoplastic, black

Jam Nut - Brass, nickel plated

Current Rating - 2 - 3 Amps

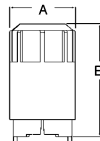


Products

Contact System	Shell Size	No. of Positions	Panel Mount Solder Cup	Panel Mount Solder Tail	Part Number Free Hanging Solder Cup	Free Hanging Solder Tail	Plug Solder Cup	Latch
Spring	M9.5	7	2-1445718-0	2-1445719-0	2-1445555-0	2-1445323-0	1445322-1	Positive
Probe	M13.5	19	2-1445759-0	2-1445758-0	2-1445757-0	2-1445756-0	1445777-1	Positive
Pin & Socket	M9.5	7	1445721-1	1445720-1	1445641-1	1445691-1	2-1445642-0	Positive
	M13.5	19	1445779-1	1445778-1	1445773-1	1445772-1	2-1445782-3	Positive

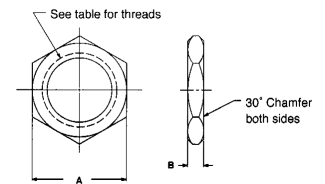
Accessories

Strain Reliefs



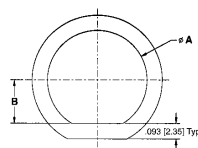
Shell Size	Dimension		Cable O.D (max.)	Part Number
	A	B		
M9.5	11.3	23.6	5.0	1604111-1
M13.5	16	27.9	8.8	1604204-1

Jam Nuts



Shell Size	Dimension		Thread	Part Number
	A	B		
M9.5	14	2.4	7/16-28 UNEF-2B	1604197-1
M13.5	19	3.2	5/8-24 UNEF-2B	1604196-1

Flange Seals



Shell Size	Dimension		Part Number
	A	B	
M9.5	10.9	4.5	1445420-3
M13.5	15.3	6.6	1445420-1

Miniature CPC (Circular Plastic Connectors)

- Pre-positioned 1/4 turn coupling ring with positive lock and alignment features
- Unique contact pattern for each position size helps prevent accidental mating with other position sizes
- Sealed to IP67
- Front or rear jam nut mounting
- No assembly required
- Receptacle available in free-hanging or panel mount versions

Specification:

- Housing** - Thermoplastic, black or red
Seal, wire entry - Elastomer, yellow or grey
Seal, peripheral - Elastomer, grey
Protector, seal - Thermoplastic, natural
- Ring, coupling** - Thermoplastic, black
Nut, jam - Brass, nickel plated
Plate, seal retention - Thermoplastic, black

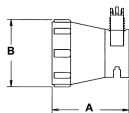


Housings

Shell Size	No. of Positions	Insulation Diameter Range	Panel Mount	Part Number Free-hanging	Plug
8	4	.89 - 1.5	1445421-1	1445389-1	1445390-1
		1.5 - 2.39	1445421-3	1445389-3	1445390-3
11	9	.89 - 1.5	1445816-1	1445825-1	1445807-1
		1.5 - 2.39	1445816-3	1445825-3	1445807-3

Accessories

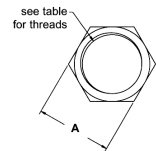
Strain Reliefs



Shell Size	Dimension		Part Number	
	A	B	Straight	Right Angle
8	23.5	18	1445730-1	1445771-1
11	28.0	24.5	1445856-1	1546746-3 ¹
				1546746-4 ²

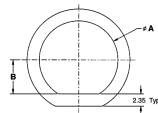
1 - Open Style 2 - With Cover

Jam Nuts



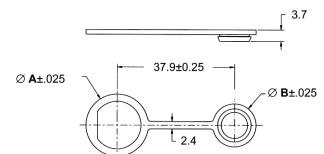
Shell Size	Dimension A	Dimension B	Thread	Part Number
8	19.0	3.2	5/8-24 UNEF-2B	1604196-1
11	22.25	3.2	3/4-20 UNEF-2B	1445904-1

Flange Seals



Shell Size	Dimension A	Dimension B	Part Number
8	15.3	6.6	1445420-1
11	18.5	8.5	1445420-2

Dust Caps



Shell Size	Dimension A	Dimension B	Part Number
8	20.2	14.0	1604089-1
11	22.6	18.7	1604089-2

Heat Shrink Boots



Shell Size	Dimension A	Dimension B	Part Number
8	50.8	19.0	1546997-1
11	63.5	25.4	1546921-1

Contacts

Wire Size Range AWG (mm ²)	Insulation Diameter Range	Finish	Pin Loose Piece	Part Number Socket - Brass Loose Piece	Socket - Phos. Bronze Loose Piece
30 - 26 (.05 - .12)	.889 - .127	Pre-tin	794059-1	794058-1	770834-4
		Duplex ¹	1-794059-0	1-794058-0	1-770834-1
26 - 22 (.12 - .3)	1.19 - 1.75	Pre-tin	770985-1	770986-1	770902-4
		Duplex ¹	1-770985-0	1-770986-0	1-770902-1
22 - 18 (.3 - .8)	1.50 - 2.39	Pre-tin	770987-1	770988-1	770904-4
		Duplex ¹	1-770987-0	1-770988-0	1-770904-1

1 - Duplex finish - plated with .000762 min. gold in mating area and .00254 min. tin-lead in crimping area over .00127 min. nickel underplate on entire contact

**CPC (Circular Plastic Connectors)
Series 1 & 3**

- Lightweight, all plastic and metal-shell connectors
- Most CPC connectors are UL94V-0 rated and are made of stabilized, heat resistant, self-extinguishing thermoplastic material
- Operating temperature range: -55 °C to +125 °C
- Quick connect/disconnect capability with thread assist, positive detent coupling
- Full complement of optional accessories

Specification:

- Housing** - Available in panel or chassis mount and free-hanging configurations
- Socket** - Built in pin & socket protection
- Current Rating** - Certain products meet VDE Standard O627



Series 1

**Normal Gender - Receptacle Housing
with Square Flange
(Panel Mount with Mounting Holes)
for Size 16 Type III+ Pin Contacts**



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Standard Sex	UL94V-0	182917-1
13	9	Standard Sex	UL94V-0	182922-1
17	9	Standard Sex	UL94V-0	211767-1
17	14	Standard Sex	UL94V-0	183040-1
17	16	Standard Sex	UL94V-0	182916-1
23	24	Standard Sex	UL94V-0	183075-1
23	37	Standard Sex	UL94V-0	182918-1

**Reverse Gender - Receptacle Housing
with Square Flange
(Panel Mount with Mounting Holes)
for Size 16 Type III+ Pin Contacts**



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Reverse Sex	UL94V-0	182921-1
17	9	Reverse Sex	UL94V-0	211769-1
17	14	Reverse Sex	UL94V-0	182641-1
23	37	Reverse Sex	UL94V-0	182920-1

**Normal Gender - Receptacle Housing
(Free Hanging)
for Size 16 Type III+ Pin Contacts**



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Standard Sex	UL94V-0	182919-1
13	9	Standard Sex	UL94V-0	183079-1
17	16	Standard Sex	UL94V-0	183077-1
23	24	Standard Sex	UL94V-0	206838-2
23	37	Standard Sex	UL94V-0	206151-2

**Reverse Gender - Receptacle Housing
(Free Hanging)
for Size 16 Type III+ Pin Contacts**



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Reverse Sex	UL94V-0	183083-1
17	9	Reverse Sex	UL94V-0	211769-3
17	14	Reverse Sex	UL94V-0	206043-3
23	37	Reverse Sex	UL94V-0	206306-2

**Normal Gender - Plug
for Size 16 Type III+ Pin Contacts**



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Standard Sex	UL94V-0	182647-1
13	9	Standard Sex	UL94V-0	182645-1
17	9	Standard Sex	UL94V-0	211766-1
17	14	Standard Sex	UL94V-0	183039-1
17	16	Standard Sex	UL94V-0	182642-1
23	24	Standard Sex	UL94V-0	183073-1
23	37	Standard Sex	UL94V-0	182923-1

**Reverse Gender - Plug
for Size 16 Type III+ Pin Contacts**



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Reverse Sex	UL94V-0	182651-1
17	9	Reverse Sex	UL94V-0	211768-1
17	14	Reverse Sex	UL94V-0	182649-1
23	37	Reverse Sex	UL94V-0	182926-1

**CPC (Circular Plastic Connectors) (continued)
Series 1 & 3**

Series 1 (cont.)

Size 16 - Type III+ Pin Contact (Loose Piece)

Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number Pin Contact
0.12 - 0.20	26 - 24	0.9 - 1.4	Brass, tin-plated	163090-1
			Brass, 0.76 µm gold plated	163090-2
0.20 - 0.56	24 - 20	1.15 - 1.80	Brass, tin-plated	163086-1
			Brass, 0.76 µm gold plated	163086-2
0.75 - 1.50	18 - 16	2.0 - 2.5	Brass, tin-plated	163082-1
			Brass, 0.76 µm gold plated	163082-2
0.8 - 2.0	18 - 14	2.0 - 2.5	Brass, 0.76 µm gold plated	66361-4

Size 16 - Type III+ Socket Contact (Loose Piece)

Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number Socket Contact
0.12 - 0.20	26 - 24	0.9 - 1.4	Brass, tin-plated	163092-1
			Brass, 0.76 µm gold plated	163092-2
0.20 - 0.56	24 - 20	1.15 - 1.80	Brass, tin-plated	163088-1
			Brass, 0.76 µm gold plated	163088-2
0.75 - 1.50	18 - 16	2.0 - 2.5	Brass, tin-plated	163084-1
			Brass, 0.76 µm gold plated	163084-2
0.8 - 2.0	18 - 14	2.0 - 2.5	Brass, 0.76 µm gold plated	66360-4

Size 16 - Type III+ Grounding Pin (Loose Piece)

Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number Grounding Pin
0.12 - 0.20	26 - 24	0.9 - 1.4	Brass, tin-plated	164162-1
			Brass, 0.76 µm gold plated	164162-2
0.20 - 0.56	24 - 20	1.15 - 1.80	Brass, tin-plated	164163-1
			Brass, 0.76 µm gold plated	164163-2
0.8 - 1.40	18 - 16	2.0 - 2.5	Brass, tin-plated	164164-1
			Brass, 0.76 µm gold plated	164164-2

Additional Size 16 Contacts like, High Current, Power, Solder, Posted, Screw-Machined, Coax or Plastic Fiber Contacts are available on request

Replacement Coupling Ring (Loose Piece)

Shell Size	Flammability Rating	Part Number
11	UL94V-0	213811-1
13	UL94V-0	213813-1
17	UL94V-0	213810-1
23	UL94V-0	213812-1

**CPC (Circular Plastic Connectors) (continued)
Series 1 & 3**

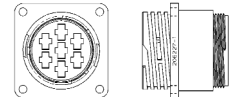
Series 3

**Receptacle Housing with Square Flange
(Panel Mount with Mounting Holes)
for Type XII Pin Contacts**



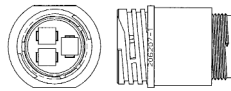
Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Standard Sex	UL94V-0	206036-2
23	7	Standard Sex	UL94V-0	206137-1

**Receptacle Housing with Square Flange
(Panel Mount with Mounting Holes)
for Type XII Female Contacts**



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Reverse Sex	UL94V-0	206425-1
23	7	Reverse Sex	UL94V-0	206227-1

**Receptacle Housing
(Free Hanging)
for Type XII Pin Contacts**



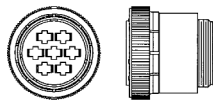
Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Standard Sex	UL94V-0	206207-1
23	7	Standard Sex	UL94V-0	206137-2

**Receptacle Housing
(Free Hanging)
for Type XII Female Contacts**



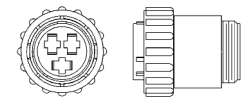
Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Reverse Sex	UL94V-0	206425-2
23	7	Reverse Sex	UL94V-0	206227-2

Plug for Type XII Pin Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Standard Sex	UL94V-0	206037-2
23	7	Standard Sex	UL94V-0	206136-1

Plug for Type XII Male Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Reverse Sex	UL94V-0	206426-1
23	7	Reverse Sex	UL94V-0	206226-1

Type XII Male Contact and Ground Contact (Loose Piece)

Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number	
				Male Contact	Ground Contact
1.25 - 3.00	16 - 12	3.4 - 4.0	Copper, 0.76 µm gold plated	66261-2	66262-2
			Copper, silver plated	66261-4	-
5.0 - 6.0	10	4.8 - 5.6	Copper, 0.76 µm gold plated	66259-2	66260-2
			Copper, silver plated	66259-4	-

Type XII Female Contact (Loose Piece)

Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number
1.25 - 3.00	16 - 12	3.4 - 4.0	Copper, 0.76 µm gold plated	66740-6
			Copper, silver plated	66740-2
5.0 - 6.0	10	4.8 - 5.6	Copper, 0.76 µm gold plated	66741-6
			Copper, silver plated	66741-2

Tooling for Type XII Male & Female Contacts

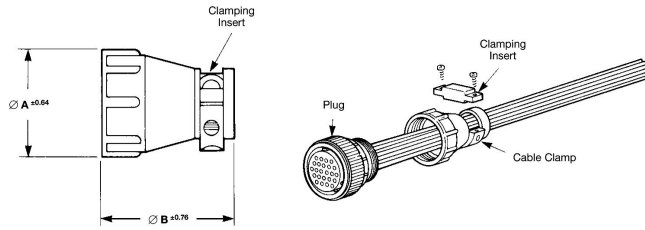
Product Description	Part Number
Handtool	69710-1
Die-insert (1.25 - 1.4mm ²)	90145-2
Die-insert (2 - 3mm ²)	90145-1
Die-insert (5 - 6mm ²)	90140-1
Contact Extraction Tool	91019-3

**CPC (Circular Plastic Connectors) (continued)
Series 1 & 3**

Accessories

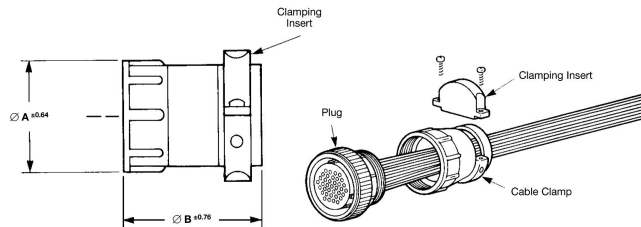
Cable Clamps

Standard Size



Shell Size	Dimension		Cable Outer Diameter max.	Thread Size	Part Number
	A	B			
11	20.95	31.75	8.36	5/8-24 UNEF-2B	182658-1
13	24.13	35.56	11.51	3/4-20 UNEF-2B	182663-1
17	28.58	35.56	11.51	15/16-20 UNEF-2B	182655-1
23	40.64	39.50	17.86	1-3/8-18 UNEF-2B	182652-1

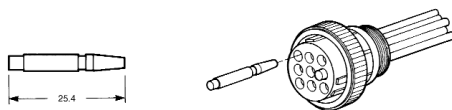
Large Size



Shell Size	Dimension		Cable Outer Diameter max.	Thread Size	Part Number
	A	B			
11	21.59	36.83	11.51	5/8-24 UNEF-2B	182928-1
13	28.73	42.04	17.86	3/4-20 UNEF-2B	207008-5
17	28.73	42.04	17.86	15/16-20 UNEF-2B	182661-1
23	40.64	42.04	28.58	1-3/8-18 UNEF-2B	182930-1

Keying Plugs

Series 1



Product Description	Part Number
Pin Cavities	183047-1
Socket Cavities	183046-1

Series 3



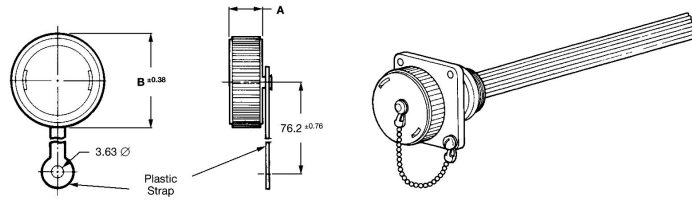
Product Description	Part Number
Pin Cavities	206508-1
Socket Cavities	207597-1

CPC (Circular Plastic Connectors) (continued)
Series 1 & 3

Accessories

Sealing Caps

For Receptacles

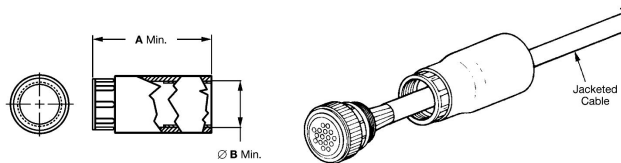


Shell Size	Series	Dimension		Part Number	
		A	B	with Plastic Strap	with Metal Bead Chain
11	1	9.14	23.55	206903-1	208800-1
13	1	9.14	26.80	211870-1	213485-1
17	1 & 3	9.14	32.89	207445-1	208652-1
23	1 & 3	11.68	43.89	207446-1	208680-1

For Plug Housings

Shell Size	Series	Dimension		Part Number with Plastic Strap
		A	B	
11	1	9.14	23.55	206903-1
17	1 & 3	9.14	32.89	207445-1
23	1	11.68	43.89	207446-1

Cable Entry Seals -
Heat Shrinkable Sealing Boots



Shell Size	Dimension		Expanded Wall Thickness	Sealing Diameter Range	Max. Recovered Wall Thickness	Part Number
	A	B				
11	63.5	15.88	2.03 Ref.	6.60 - 15.25	2.59 Ref.	54010-1
13	63.5	19.68	2.03 Ref.	9.53 - 18.42	2.59 Ref.	54123-1
17	63.5	24.76	2.03 Ref.	10.16 - 22.22	2.59 Ref.	54011-1
	76.2	24.76	2.03 Ref.	10.16 - 22.22	2.59 Ref.	54011-3
23	76.2	31.75	2.03 Ref.	13.97 - 31.75	2.59 Ref.	54012-1

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M8 Series

- Single-ended cable leads available in 180° or 90° connectors
- Overmoulded assemblies
- Standard length 5 metres. 2, 3, 7 and 10 metres also available
- Panel mount also available in full plastic

Specification:

- Housing** - Polyurethane
Contacts - Brass, gold plated
Current Rating - 5 Amps
Temperature Range - -25° to +90°C



M8 Pigtails

Male - Straight

No. of Positions	Insulation Material	Cable Length (metres)	Part Number
3	PVC	5.0	1814430-2
4	PVC	5.0	1814432-2

Female - Straight

No. of Positions	Insulation Material	Cable Length (metres)	Part Number
3	PVC	5.0	1814434-3
4	PVC	5.0	1814436-2

Female - Right Angle

No. of Positions	Insulation Material	Cable Length (metres)	Part Number
3	PVC	5.0	1814438-3
4	PVC	5.0	1814440-2

M8 Panel Mount

Male - Straight

No. of Positions	Nut	Fixing	Part Number
3	Yes	Panel	1814444-1
4	Yes	Panel	1814445-2

Female - Straight

No. of Positions	Nut	Fixing	Part Number
3	Yes	Panel	1814446-1
4	Yes	Panel	1814447-2

M12 Series

- Single-ended cable leads available with 180° and 90° connectors
- Overmoulded assemblies
- Standard length 5 metres. 2, 3, 7 and 10 metres also available
- Panel mount also available in full plastic

Specification:

Housing	- Polyurethane
Contacts	- Brass, gold plated
Current Rating	- 5 Amps
Temperature Range	- -25° to +90°C



M12 Pigtails

Male - Straight

No. of Positions	Insulation Material	Cable Length (metres)	Part Number
3	PVC	5.0	1838236-3
4	PVC	5.0	1838238-3
5	PVC	5.0	1838240-3

Male - Straight

No. of Positions	Insulation Material	Cable Length (metres)	Part Number
3	PVC	5.0	1838248-3
4	PVC	5.0	1838250-3
5	PVC	5.0	1838252-3

Female - Straight

No. of Positions	Insulation Material	Cable Length (metres)	Part Number
3	PVC	5.0	1838242-3
4	PVC	5.0	1838244-3
5	PVC	5.0	1838246-3

Female - Right Angle

No. of Positions	Insulation Material	Cable Length (metres)	Part Number
3	PVC	5.0	1838254-3
4	PVC	5.0	1838256-3
5	PVC	5.0	1838258-3

M12 Female - Right Angle, LED PNP

No. of Positions	Insulation Material	Cable Length (metres)	Part Number
3	PVC	5.0	1838264-3
4	PVC	5.0	1838266-3

M12 Panel Mount

Male - Metal, Straight, Rear Mounting

No. of Positions	Nut	Fixing	Part Number
3	Yes	Panel	1838418-1
4	Yes	Panel	1838418-2
5	Yes	Panel	1838418-3

Female - Metal, Straight, Rear Mounting

No. of Positions	Nut	Fixing	Part Number
3	Yes	Panel	1838415-1
4	Yes	Panel	1838415-2
5	Yes	Panel	1838415-3

M12 Field Serviceable

Male - Full Plastic

No. of Positions	Fixing	Part Number
3	Solder	1838277-1
4	Solder	1838277-2
5	Solder	1838277-3

Female - Full Plastic

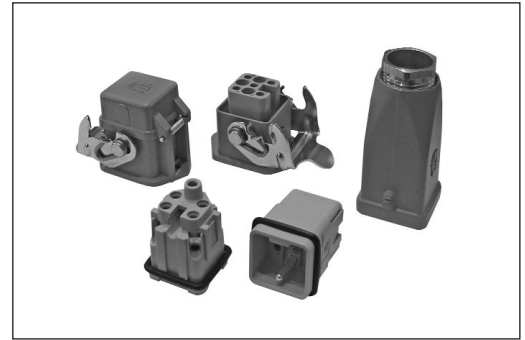
No. of Positions	Fixing	Part Number
3	Solder	1838276-1
4	Solder	1838276-2
5	Solder	1838276-3

HTS - Series HA.3

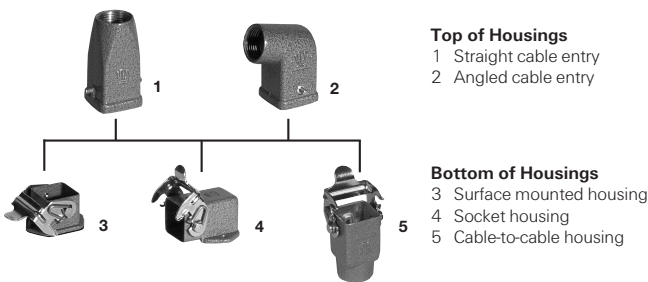
- IP44
- Metal locking leaves
- Silver plated contacts
- 3, 4, 5 or 7 positions

Specification:

- Housing** - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings



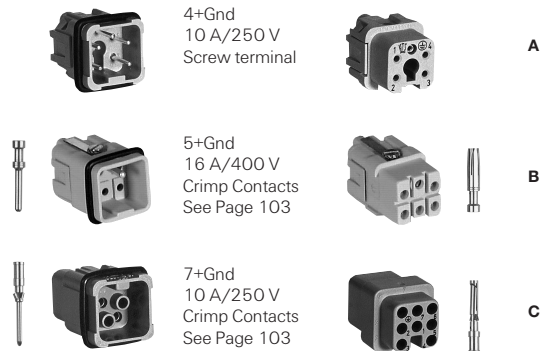
Top of Housings
 1 Straight cable entry
 2 Angled cable entry

Bottom of Housings
 3 Surface mounted housing
 4 Socket housing
 5 Cable-to-cable housing

Contact Inserts

Male Insert

Female Insert



Style	Product Description	Width	Length	Height	Part Number
1	HA.3.STO.1.11Z	26.5	26.5	52.0	1-1102101-7
2	HA.3.STW.1.11Z	26.5	40.0	49.0	1-1102103-7
3	HA.3.AG-LB	28.0	40.0	23.0	1-1102105-2
3	HA.3.AGD-LB	28.0	40.0	23.0	1-1102106-2
4	HA.3.SG-LB.1.11Z	40.0	40.0	25.0	1-1102109-2
5	HA.3.KDO-LB.1.11Z	24.0	24.0	46.0	1-1102112-2
5	HA.3.KDOD-LB.1.11Z	24.0	24.0	56.0	1-1108759-2

AGD = surface mounted housing with lid
 KDOD = cable-to-cable housing with lid

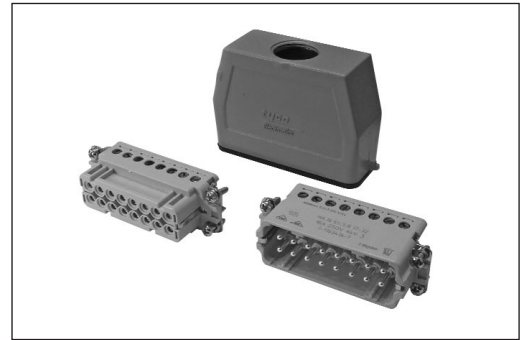
No.	Product Description	Style	Part Number
A	HA.3.Sti.S	Screw	1-1103400-1
A	HA.3.Bu.S	Screw	1-1103401-1
A	HA.4.Sti.S	Screw	1-1103402-1
A	HE.4.Bu.S	Screw	1-1103403-1
B	HE-Q.5.Sti.C	HE/HA Crimp Contact	1102195-1
B	HE-Q.5.Bu.C	HE/HA Crimp Contact	1102194-1
C	HN.D.7.Sti.C	HN.D Crimp Contact	2-1103100-3
C	HN.D.7.Bu.C	HN.D Crimp Contact	2-1103101-3

HTS - Series HA.16

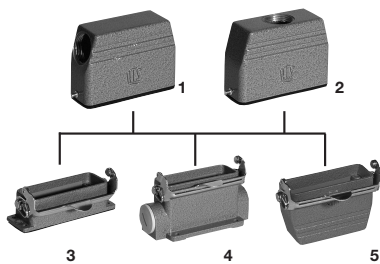
- IP65
- Metal locking leaves
- Silver plated contacts
- 16 or 25 positions

Specification:

Housing - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings



Top of Housings
 1 Side cable entry
 2 Straight cable entry

Bottom of Housings
 3 Surface mounted housing
 4 Socket housing
 5 Cable-to-cable housing

Contact Inserts

Male Insert



16+Gnd
 10 A/250 V
 Screw terminal
 Crimp terminal
 Spring clamp terminal

Female Insert



A



25+Gnd
 10 A/250 V
 Crimp Contacts
 See Page 103



B

Style	Product Description	Width	Length	Height	Part Number
1	HA.16.STS.1.16G	29.0	79.5	57.0	1-1102136-7
2	HA.16.STO.1.16G	29.0	79.5	57.0	1-1102139-7
3	HA.16.AG-LB	29.0	96.0	28.0	1-1102140-2
3	HA.16.AGD*-LB	29.0	96.0	28.0	1-1102141-2
4	HA.16.SG-LB.1.16Z	50.0	102.0	50.0	1-1102143-2
4	HA.16.SGD*-LB.1.16Z	50.0	102.0	50.0	1-1102147-2
5	HA.16.KDO-LB.1.16G	29.0	92.0	52.0	1-1102152-2

AGD*/SGD* = surface mounted/socket housing with lid

No.	Product Description	Style	Part Number
A	HA.16.Sti.S	Screw	1-1103416-1
A	HA.16.Bu.S	Screw	1-1103417-1
A	HA.16.Sti.C	HE/HA Crimp Contact	2-1103416-3
A	HA.16.Bu.C	HE/HA Crimp Contact	2-1103417-3
A	HA.16.Sti.SC	Spring Clamp	7-1103416-1
A	HA.16.Bu.SC	Spring Clamp	7-1103417-1
B	HN.D.25.Sti.C	HN.D Crimp Contact	2-1103108-3
B	HN.D.25.Bu.C	HN.D Crimp Contact	2-1103109-3

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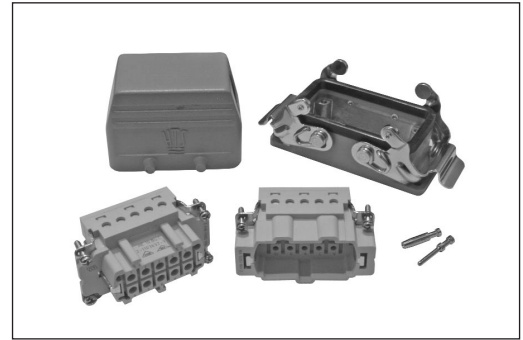


HTS - Series HB.6

- IP65
- Metal locking leaves
- Silver plated contacts
- 6 or 24 positions

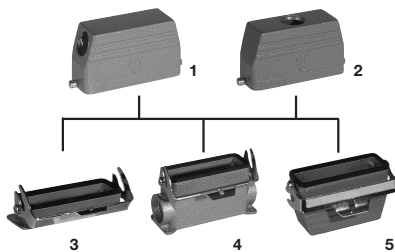
Specification:

- Housing** - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings

LB- System (side clip = 1 clip)



Top of Housings

- 1 Cable entry from the side
- 2 Straight cable entry

Bottom of Housings

- 3 Surface mounted housing
- 4 Socket housing
- 5 Cable-to-cable housing

Contact Inserts

Male Insert



- 6+Gnd
- 16 A/400 V
- Screw terminal
- Crimp terminal
- Spring clamp terminal

Female Insert



A



- 24+Gnd
- 10 A/250 V
- Crimp Contacts
- See Page 103



C

Style	Product Description	Width	Length	Height	Part Number
1	HB.6.STS.1.1.16G	43.0	60.0	48.0	1-1102240-7
2	HB.6.STO.1.16G	43.0	60.0	48.0	1-1102243-7
3	HB.6.AG-LB	43.5	80.0	28.5	1-1102244-2
3	HB.6.AGD*LB	43.5	80.0	28.5	1-1102246-2
4	HB.6.SG-LB.1.16Z	52.0	83.0	49.5	1-1102249-2
4	HB.6.SGD*LB.1.16Z	52.0	82.0	49.5	1-1102253-2
5	HB.6.KDO-LB.1.16G	43.0	60.0	50.0	1-1102258-2

1	HD.16.STS.1.21G	43.0	60.0	70.0	1-1102461-7
2	HD.16.STO.1.21G	43.0	60.0	70.0	1-1102467-7
3	HD.16.SG-LB.1.21Z	57.0	83.0	50.0	1-1102472-2
4	HD.16.SGD*LB.1.21Z	57.0	83.0	73.5	1-1102480-2
5	HD.16.KDO-LB.1.21G	43.0	60.0	72.0	1-1102489-2

* With Lid

High Construction

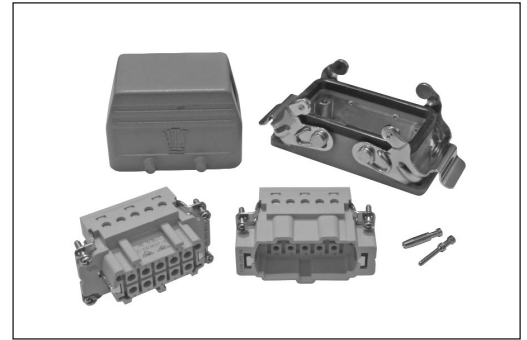
No.	Product Description	Style	Part Number
A	HE.6.Sti.S	Screw	1-1103634-1
A	HE.6.Bu.S	Screw	1-1103635-1
A	HE.6.Sti.C	HE/HA Crimp Contact	2-1103634-3
A	HE.6.Bu.C	HE/HA Crimp Contact	2-1103635-3
A	HE.6.Sti.SC	Spring Clamp	7-1103634-1
A	HE.6.Bu.SC	Spring Clamp	7-1103635-1
C	HN.2D.24.Sti.C	HN.D Crimp Contact	2-1103200-3
C	HN.2D.24.Bu.C	HN.D Crimp Contact	2-1103202-3

HTS - Series HB.10

- IP65
- Metal locking leaves
- Silver plated contacts
- 10 or 42 positions

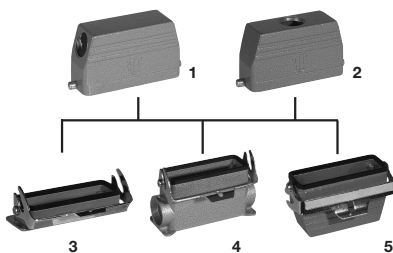
Specification:

Housing - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings

LB- System (side clip = 1 clip)



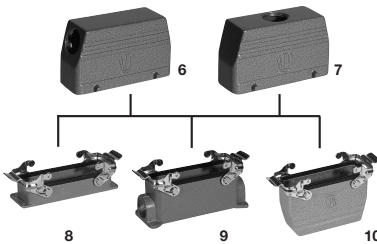
Top of Housings

- 1 Cable entry from the side
- 2 Straight cable entry

Bottom of Housings

- 3 Surface mounted housing
- 4 Socket housing
- 5 Cable-to-cable housing

VS- System (Locking system = 2 clips)



Top of Housings

- 6 Cable entry from the side
- 7 Straight cable entry

Bottom of Housings

- 8 Surface mounted housing
- 9 Socket housing
- 10 Cable-to-cable housing

Contact Inserts

Male Insert



10+Gnd
 16 A/400 V
 Screw terminal
 Crimp terminal
 Spring clamp terminal

Female Insert



A



42+Gnd
 10 A/250 V
 Crimp Contacts
 See Page 103



C

Style	Product Description	Width	Length	Height	Part Number
1	HB.10.STS-GR.1.16G	43.0	73.0	50.0	1-1102261-7
2	HB.10.STO-GR.1.16G	43.0	73.0	50.0	1-1102267-7
3	HB.10.AG-LB	43.5	93.0	28.5	1-1102271-2
3	HB.10.AGD*-LB	43.5	93.0	28.5	1-1102283-2
4	HB.10.SG-LB.1.16Z	52.0	94.0	53.5	1-1102274-2
4	HB.10.SGD*-LB.1.16Z	52.0	94.0	53.5	1-1102286-2
5	HB.10.KDO-LB.1.16G	43.0	73.0	55.5	1-1102279-2

1	HD.24.STS-GR.1.21G	43.0	73.0	57.0	1-1102496-7
2	HD.24.STO-GR.1.21G	43.0	73.0	70.0	1-1102502-7
3	HD.24.SG-LB.1.21Z	57.0	94.0	73.5	1-1102507-2

6	HB.10.STS.1.16G	43.0	73.0	50.0	1-1102261-6
7	HB.10.STO.1.16G	43.0	73.0	50.0	1-1102267-6
8	HB.10.AG-VS	57.0	93.0	28.5	1-1102271-1
9	HB.10.SG-VS.1.16Z	57.0	94.0	55.5	1-1102276-1
10	HB.10.KDO-VS.1.16G	57.0	73.0	55.5	1-1102279-1

6	HD.24.STS.1.21G	43.0	73.0	70.0	1-1102496-6
7	HD.24.STO.1.21G	43.0	73.0	70.0	1-1102502-6
9	HD.24.SG-VS.1.21Z	56.0	94.0	74.0	1-1102507-1
10	HD.24.KDO-VS.1.21G	57.0	73.0	55.5	1-1102516-1

* With Lid

High Construction

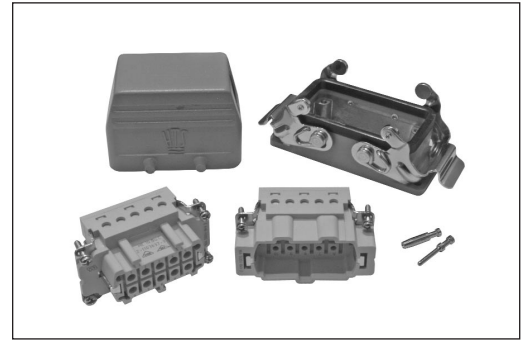
No.	Product Description	Style	Part Number
A	HE.10.Sti.S	Screw	1-1103636-1
A	HE.10.Bu.S	Screw	1-1103637-1
A	HE.10.Sti.C	HE/HA Crimp Contact	2-1103636-3
A	HE.10.Bu.C	HE/HA Crimp Contact	2-1103637-3
A	HE.10.Sti.SC	Spring Clamp	7-1103636-1
A	HE.10.Bu.SC	Spring Clamp	7-1103637-1
C	HN.2D.42.Sti.C	HN.D Crimp Contact	2-1103204-3
C	HN.2D.42.Bu.C	HN.D Crimp Contact	2-1103206-3

HTS - Series HB.16

- IP65
- Metal locking leaves
- Silver plated contacts
- 6, 16, 40 or 72 positions

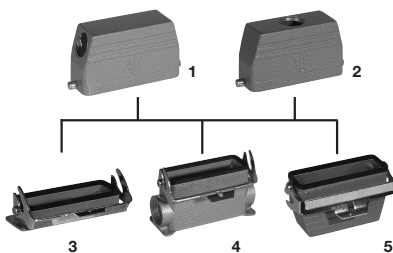
Specification:

- Housing** - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings

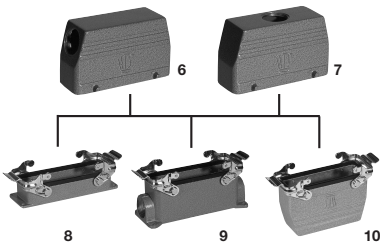
LB- System (side clip = 1 clip)



- Top of Housings**
 1 Cable entry from the side
 2 Straight cable entry

- Bottom of Housings**
 3 Surface mounted housing
 4 Socket housing
 5 Cable-to-cable housing

VS- System (Locking system = 2 clips)



- Top of Housings**
 6 Cable entry from the side
 7 Straight cable entry

- Bottom of Housings**
 8 Surface mounted housing
 9 Socket housing
 10 Cable-to-cable housing

Contact Inserts

Male Insert



- 16+Gnd
 16 A/400 V
 Screw terminal
 Crimp terminal
 Spring clamp terminal

Female Insert



A



- 40+Gnd
 10 A/250 V
 Crimp terminal



B



- 72+Gnd
 10 A/250 V
 Crimp Contacts
 See Page 103



C



- 6+Gnd
 35 A/400 V
 Screw terminal



D

Style	Product Description	Width	Length	Height	Part Number
1	HB.16.STS-GR.1.21G	43.0	93.5	60.0	1-1102292-7
2	HB.16.STO-GR.1.21G	43.0	33.5	60.0	1-1102295-7
3	HB.16.AG-LB	43.5	113.0	28.5	1-1102296-2
3	HB.16.AGD*-LB	43.5	113.0	28.5	1-1102305-2
4	HB.16.SG-LB.1.21Z	52.0	117.0	55.5	1-1102299-2
4	HB.16.SGD*-LB.1.21Z	52.0	117.0	55.5	1-1102308-2

1	HD.40.STS-GR.1.29G	43.0	93.5	76.0	1-1102567-7
2	HD.40.STD-GR.1.29G	43.0	93.5	76.0	1-1102570-7
4	HD.40.SG-LB.1.29Z	57.0	117.0	76.5	1-1102579-2
4	HD.40.SGD*-LB.1.29Z	57.0	117.0	76.5	1-1102593-2
5	HD.40.KDO-LB.1.29G	43.0	93.5	79.5	1-1102587-2

6	HB.16.STS.1.21G	43.0	93.5	60.0	1-1102292-6
7	HB.16.STO.1.21G	43.0	93.5	60.0	1-1102295-6
8	HB.16.AG-VS	57.0	113.0	4.5	1-1102296-1
9	HB.16.SG-VS.1.21Z	57.0	117.0	55.5	1-1102299-1

6	HD.40.STS.1.29G	43.0	93.5	76.0	1-1102567-6
7	HD.40.STO.1.29G	43.0	93.5	76.0	1-1102573-6
9	HD.40.SG-VS.1.29Z	57.0	117.0	76.5	1-1102579-1
10	HD.40.KDO-VS.1.29G	57.0	93.5	79.5	1-1102587-1

* With Lid

High Construction

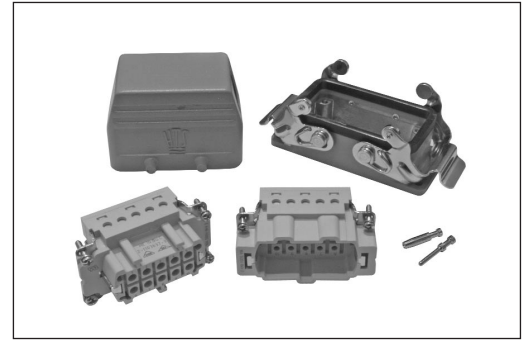
No.	Product Description	Style	Part Number
A	HE.16.Sti.S	Screw	1-1103638-1
A	HE.16.Bu.S	Screw	1-1103639-1
A	HE.16.Sti.C	HE/HA Crimp Contact	2-1103638-3
A	HE.16.Bu.C	HE/HA Crimp Contact	2-1103639-3
A	HE.16.Sti.SC	Spring Clamp	7-1103638-1
A	HE.16.Bu.SC	Spring Clamp	7-1103639-1
B	HN.D.40.Sti.C	HN.D Crimp Contact	2-1103110-3
B	HN.D.40.Bu.C	HN.D Crimp Contact	2-1103111-3
C	HN.2D.72.Sti.C	HN.D Crimp Contact	2-1103208-3
C	HN.2D.72.Bu.C	HN.D Crimp Contact	2-1103212-3
D	HSB.6/35.Sti.S	Screw	1-1104204-1
D	HSB.6/35.Bu.S	Screw	1-1104205-1

HTS - Series HB.24

- IP65
- Metal locking leaves
- Silver plated contacts
- 24, 64, 108 positions

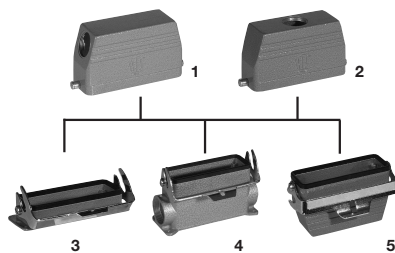
Specification:

- Housing** - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings

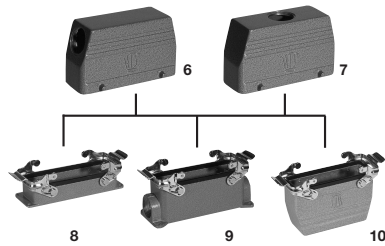
LB- System (side clip = 1 clip)



- Top of Housings**
 1 Cable entry from the side
 2 Straight cable entry

- Bottom of Housings**
 3 Surface mounted housing
 4 Socket housing
 5 Cable-to-cable housing

VS- System (Locking system = 2 clips)



- Top of Housings**
 6 Cable entry from the side
 7 Straight cable entry

- Bottom of Housings**
 8 Surface mounted housing
 9 Socket housing
 10 Cable-to-cable housing

Contact Inserts

Male Insert



- 24+Gnd
 16 A/400 V
 Screw terminal
 Crimp terminal
 Spring clamp terminal

Female Insert



A



- 64+Gnd
 10 A/250 V
 Crimp terminal



B



- 108+Gnd
 10 A/250 V
 Crimp Contacts
 See Page 103



C

Style	Product Description	Width	Length	Height	Part Number
1	HB.24.STS-GR.1.21G	43.0	120.0	70.0	1-1102316-7
2	HB.24.STO-GR.1.21G	43.0	120.0	70.0	1-1102325-7
3	HB.24.AG-LB	43.5	140.0	28.5	1-1102291-2
3	HB.24.AGD*-LB	43.5	140.0	28.5	1-1102340-2
4	HB.24.SG-LB.1.21Z	57.0	144.0	55.5	1-1102331-2
4	HB.24.SGD*-LB.1.21Z	57.0	144.0	55.5	1-1102343-2
1	HD.64.STS-GR.1.29G	43.0	120.0	78.0	1-1102567-7
2	HD.64.STO-GR.1.29G	43.0	120.0	78.0	1-1102570-7
4	HD.64.SG-LB.1.29Z	57.0	144.0	78.5	1-1102579-2
4	HD.64.SGD*-LB.1.29Z	57.0	144.0	78.5	1-1102593-2
5	HD.64.KDO-LB.1.29G	42.75	120.0	81.5	1-1102587-2

6	HB.24.STS.1.21G	43.0	120.0	70.0	1-1102316-6
7	HB.24.STO.1.21G	43.0	120.0	70.0	1-1102325-6
8	HB.24.AG-VS	57.0	140.0	28.5	1-1102291-1
9	HB.24.SG-VS.1.21Z	57.0	144.0	55.5	1-1102331-1

6	HD.64.STS.1.29G	43.0	120.0	78.0	1-1103338-6
7	HD.64.STO.1.29G	43.0	120.0	78.0	1-1103344-6
9	HD.64.SG-VS.1.29Z	57.0	144.0	78.5	1-1103350-1
10	HD.64.KDO-VS.1.29G	57.0	120.0	81.5	1-1103358-1

* With Lid

High Construction

No.	Product Description	Style	Part Number
A	HE.24.Sti.S	Screw	1-1103640-1
A	HE.24.Bu.S	Screw	1-1103641-1
A	HE.24.Sti.C	HE/HA Crimp Contact	2-1103640-3
A	HE.24.Bu.C	HE/HA Crimp Contact	2-1103641-3
A	HE.24.Sti.SC	Spring Clamp	7-1103640-1
A	HE.24.Bu.SC	Spring Clamp	7-1103641-1
B	HN.D.64.Sti.C	HN.D Crimp Contact	2-1103112-3
B	HN.D.64.Bu.C	HN.D Crimp Contact	2-1103113-3
C	HN.2D.108.Sti.C	HN.D Crimp Contact	2-1103216-3
C	HN.2D.108.Bu.C	HN.D Crimp Contact	2-1103220-3

HTS Glands and Contacts

- Original accessories for Heavy Duty connectors
- Universal crimping tool for HE/HA and HND contacts

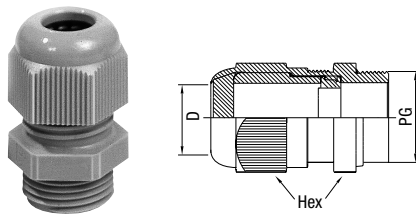
Specification:

Glands - IP68
Contacts - Silver plated



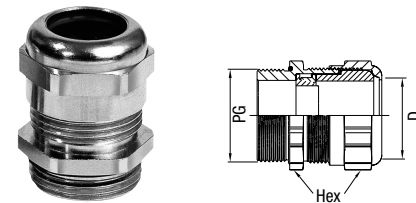
Cable Fittings and Accessories

Gland Fitting - Plastic



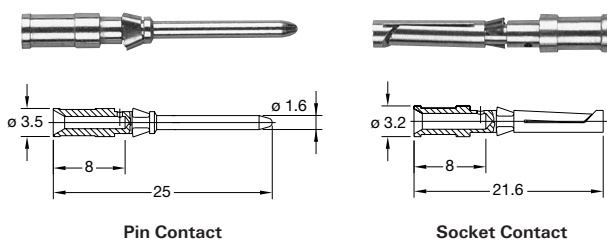
Designation	PG Size	D (min)	Dimension D (max)	Hex	Part Number
HUT.11.P	11	5	10	22	1-1106005-7
HUT.13.P	13.5	6	12	24	2-1106005-7
HUT.16.P	16	10	14	27	3-1106005-7
HUT.21.P	21	13	18	33	4-1106005-7
HUT.29.P	29	18	25	42	5-1106005-7

Gland Fitting - Brass



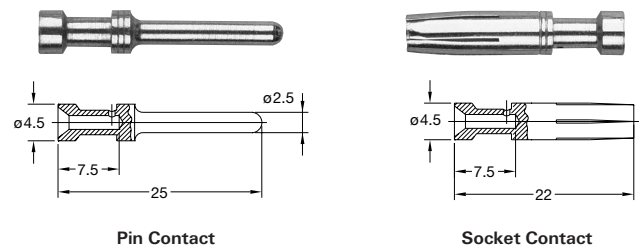
Designation	PG Size	D (min)	Dimension D (max)	Hex	Part Number
HUT.11.MS	11	5	10	20	1-1106006-9
HUT.13.MS	13.5	6	12	22	2-1106006-9
HUT.16.MS	16	10	14	24	3-1106006-9
HUT.21.MS	21	13	18	30	4-1106006-9
HUT.29.MS	29	18	25	40	5-1106006-9

**Crimp Contacts - Series HN.D
Silver plated**



Wire Cross Section	Part Number	
	Pin	Socket
0.14 - 0.37	1-1105050-1	1-1105051-1
0.50	2-1105050-1	2-1105051-1
0.75 - 1.00	3-1105050-1	3-1105051-1
1.50	4-1105050-1	4-1105051-1
2.50	5-1105050-1	5-1105051-1

**Crimp Contacts - Series HA/HE
Silver plated**



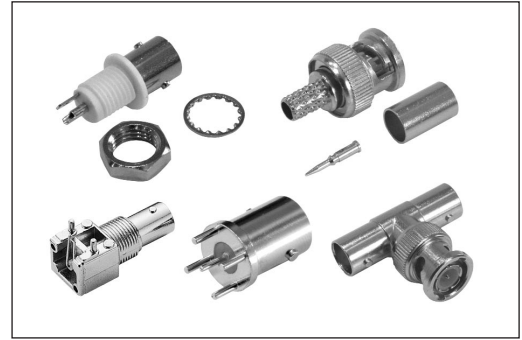
Wire Cross Section	Part Number	
	Pin	Socket
0.50	1-1105100-1	1-1105101-1
0.75 - 1.00	2-1105100-1	2-1105101-1
1.50	3-1105100-1	3-1105101-1
2.50	4-1105100-1	4-1105101-1
4.00	5-1105100-1	5-1105101-1

ZDC RF Coax Connectors - 50 & 75 Ohm

- RoHS compliant coax crimp & PCB styles
- Precision die cast construction
- Interface meets MIL-STD 348A
- Terminates to popular coax cables

Specification:

Impedence - 50 & 75ohm
Frequency range - DC - 4GHz
Temperature range - -55°C to +85°C



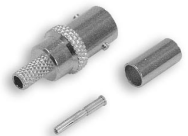
BNC Straight Plug Crimp

Ohms	Cable Group	Part Number
50	RG174	5-1634500-1
50	RG58	5-1634500-2
75	RG179	5-1634502-4
75	RG59	5-1634502-2
75	RA7000/IMAGE360	5-1634502-1



BNC Straight Jack Crimp

Ohms	Cable Group	Part Number
50	RG174	5-1634511-1
50	RG58	5-1634511-2
75	RG179	5-1634514-1



BNC Bulkhead Jack Rear Mount

Ohms	Cable Group	Part Number
50	RG58	5-1634516-1
75	RG179	5-1634516-3
75	RG59	5-1634516-5



BNC Bulkhead Socket Front Mount

Ohms	Cable Group	Part Number
50	-	5-1634523-1
75	-	5-1634523-2



BNC Bulkhead Socket Rear Mount

Ohms	Cable Group	Part Number
50	-	5-1634518-1
75	-	5-1634518-3



BNC Insulated Bulkhead Socket

Ohms	Cable Group	Part Number
50	-	5-1634504-1
75	-	5-1634504-2



BNC Elbow PCB Socket - Insulated*

Ohms	Description	Part Number
50	White Low Profile	1-1337542-0
50	White Std Profile	1-1337543-0
50	Black Low Profile	1-1634613-0
50	Black Std Profile	1-1634612-0
75	White Low Profile	1-1478031-0
75	White Std Profile	1-1478032-0
75	Black Low Profile	1-1634624-0
75	Black Std Profile	1-1634622-0



BNC Elbow PCB Socket - Metal*

Ohms	Description	Part Number
50	Metal Std Profile	1-1337494-0
75	Metal Std Profile	1-1634508-0



***BNC PCB Accessories for Noted Series**

Ohms	Description	Part Number
50	Metal Std Profile	1-1337494-0
75	Metal Std Profile	1-1634508-0



BNC Straight PCB Socket - Insulated*

Ohms	Description	Part Number
50	White	1-1337541-0
50	Black	1-1337505-0
75	White	1-1478033-0
75	Black	1-1634629-0



BNC Straight PCB Socket - Metal

Ohms	Description	Part Number
50	Metal	5-1634503-1
75	Metal	5-1634503-3



BNC Straight PCB Socket - Insulated*

Ohms	Description	Part Number
50	Jack - Jack	5-1634534-1



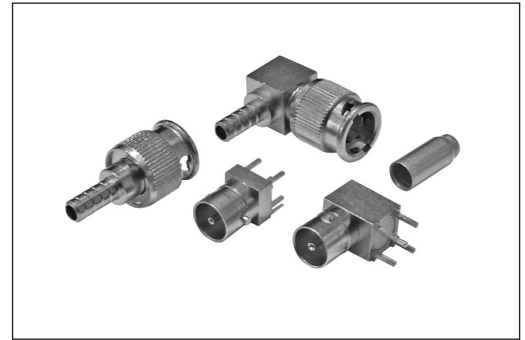
BNC T - Adaptors

Ohms	Description	Part Number
50	Jack - Plug - Jack	5-1634532-1



RF Coax Connectors - 50 & 75 Ohm

- Industry standard
- Wide range to suit all applications



MCX



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
PCB	Jack	Vertical	50	Through Hole	-	1470512-1
PCB	Jack	Right Angle	50	Through Hole	-	1470511-1

Mini BNC



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
Cable	Plug	Vertical	75	Crimp	735A	1274563-1
Cable	Plug	Vertical	75	Crimp	RG 179	1274563-3
Cable	Plug	Right Angle	75	Crimp	735A	1274566-1
Cable	Plug	Right Angle	75	Crimp	RG 179	1274566-3
Cable	Bulkhead Jack	Vertical	75	Crimp	735A	1274568-1
Cable	Bulkhead Plug	Vertical	75	Crimp	RG 179	1274568-3
PCB	Jack	Vertical	75	Through Hole	-	1274571-1
PCB	Jack	Right Angle	75	Through Hole	-	1274572-1
PCB	Bulkhead Jack	Right Angle	75	Through Hole	-	1274584-1

MMCX



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
Cable	Plug	Vertical	50	Crimp	RG 178, 196	1408148-1
Cable	Plug	Right Angle	50	Crimp	RG 178, 196	1408149-1
PCB	Plug	Vertical	50	Through Hole	-	1408120-1
PCB	Jack	Vertical	50	Through Hole	-	1408150-1
PCB	Jack	Right Angle	50	Through Hole	-	1408151-1
PCB	Jack	Vertical	50	SMT	-	6-1460820-1

RF Coax Connectors - 50 Ohm

SMA



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
PCB	Jack	Vertical	50	Through Hole	-	1470510-1
PCB	Jack	Right Angle	50	Through Hole	-	1470509-1

SMB



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
Cable	Plug	Vertical	50	Crimp	RG 174, 188, 316	413985-1
Cable	Plug	Right Angle	50	Crimp	RG 174, 188, 316	414002-5
Cable	Plug	Right Angle	50	Crimp	RG 174, 188, 316	414002-4
Cable	Jack	Vertical	50	Crimp	RG 174, 188, 316	5414170-1
Cable	Jack	Vertical	50	Crimp	RG 174, 196	5414170-2
Cable	Bulkhead Jack	Vertical	50	Crimp	RG 174, 188, 316	5228217-1
PCB	Jack	Vertical	50	Through Hole	-	413990-2
PCB	Jack	Right Angle	50	Through Hole	-	1470513-1
Bulkhead Adaptor	Jack / Jack	Vertical	50	-	-	228553-1

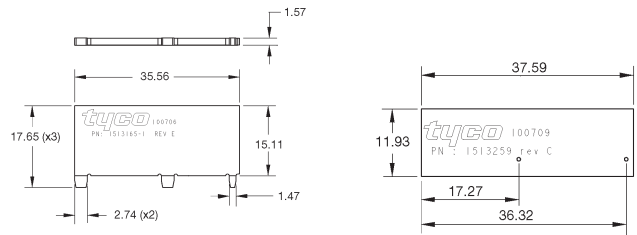
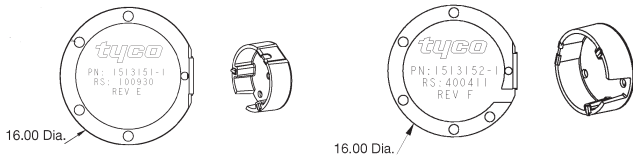
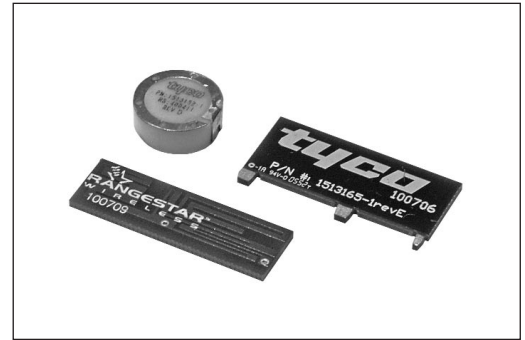
QMA (Push-On SMA)



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
Cable	Plug	Vertical	50	Solder	RG 402	1408346-1
Cable	Plug	Vertical	50	Solder	RG 174, 188, 316	1408333-1
Cable	Plug	Right Angle	50	Solder	RG 402	1408347-1
Cable	Plug	Right Angle	50	Solder	RG 174, 188, 316	1408336-1
Cable	Bulkhead Jack	Vertical	50	Solder	RG 402	1408349-1
Cable	Bulkhead Jack	Vertical	50	Solder	RG 174, 188, 316	1408339-1
PCB	Jack	Vertical	50	Through Hole	-	1408332-1
PCB	Jack	Right Angle	50	Through Hole	-	1408337-1
Flange	Jack	Vertical	50	4 Hole	-	1408341-1
Adaptor	QMA Jack/SMA Plug	Vertical	50	-	-	1408343-1
Adaptor	QMA Plug/SMA Plug	Vertical	50	-	-	1408393-1

PCB Mount Embedded Antennas

- Low profile, high performance
- Molded or PCB antennas
- Adjustment free technology



PCB Mount Antennas

Application	Mounting Style	Frequency (MHz)	Part Number
GPS	SMT	1565 - 1585	1513152-1
Wlan 802.11b	SMT	2400 - 2500	1513151-1
GSM	Through Hole	824 - 960	1513165-1
GSM	SMT	880 - 960 1710 - 1990	1513259-1

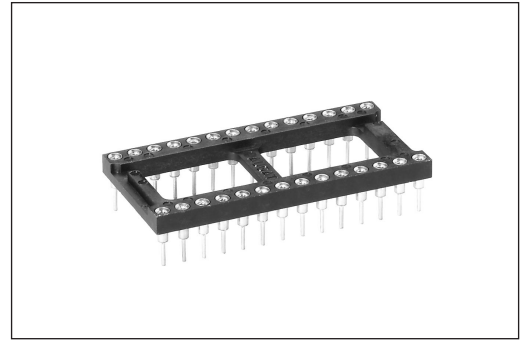
Product specifications and drawings - enter part number at www.tycoelectronics.com

DIP Sockets - Four-Fingered Contact Open Insulator

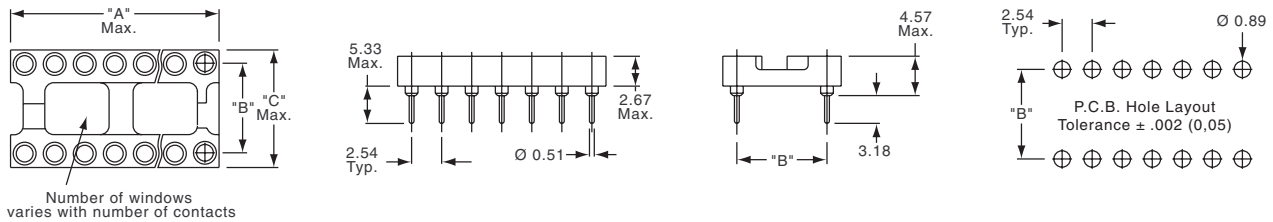
- Machined brass body RoHS tin plate
- Precision four finger contact
- Funnel entry for ease of entry
- Non solder wicking design

Specification:

- Housing** - Polyester glass filled
UL94V-0
- Contacts** - Beryllium copper gold flash
- Current Rating** - 3A



800 Series



No. of Positions	A	Dimension B	C	Centreline	Contact	Sleeve	Augat Number	Tyco Part Number
8	10.16	7.62	10.16	7.62	Low Gold	Tin	808-AG11D ESL	2-1571552-2
14	17.78	7.62	10.16	7.62	Low Gold	Tin	814-AG11D ESL	2-1571552-3
16	20.32	7.62	10.16	7.62	Low Gold	Tin	816-AG11D ESL	2-1571552-4
18	22.86	7.62	10.16	7.62	Low Gold	Tin	818-AG11D ESL	2-1571552-5
20	25.40	7.62	10.16	7.62	Low Gold	Tin	820-AG11D ESL	2-1571552-6
22	27.94	10.16	12.70	10.16	Low Gold	Tin	822-AG11D ESL	2-1571552-7
24	30.48	7.62	10.16	7.62	Low Gold	Tin	824-AG11D ESL	2-1571552-8
28	35.56	15.24	17.78	15.24	Low Gold	Tin	828-AG11D ESL	2-1571552-9
32	40.64	15.24	17.78	15.24	Low Gold	Tin	832-AG11D ESL	3-1571552-0
36	45.72	15.24	17.78	15.24	Low Gold	Tin	836-AG11D ESL	3-1571552-1
40	50.80	15.24	17.78	15.24	Low Gold	Tin	840-AG11D ESL	3-1571552-2
42	53.34	15.24	17.78	15.24	Low Gold	Tin	842-AG11D ESL	3-1571552-3
48	60.96	15.24	17.78	15.24	Low Gold	Tin	848-AG11D ESL	3-1571552-4
64	81.28	22.86	25.40	22.86	Low Gold	Tin	864-AG11D ESL	3-1571552-5

Holtite Zero Profile Solderless Sockets

- Designed for press-fit into plated through holes
- Precision machined
- Lowest socket profile
- Unique design ensures no damage to pcb hole

Specification:

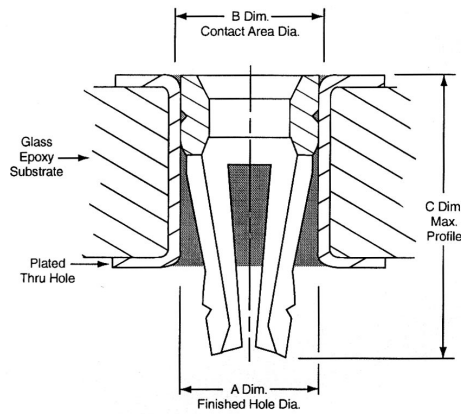
Contacts - Beryllium copper

Recommended

Hole Size - 1.4mm



Holtite Series



Recommended Lead Size	Recommended Primary Drill Size	Dimension			Board Thickness	Augat Part Number	Tyco Part Number
		A	B	C			
Rectangular Lead 0.28 x 0.46 Diameter or Round Lead 0.406 - 0.531 Diameter	1.15	1.04	1.12	2.54	0.75	8134-HC-5P2 (Gold)	6-1437514-6 (Gold)
Round Lead 0.51 - 0.76 Diameter	1.61	1.47	1.59	3.56	0.75	8134-HC-5P3 (Tin/Lead)	6-1437514-7 (Tin/Lead)
						8134-HC-6P2 (Gold)	6-1437514-8 (Gold)
Round Lead 0.64 - 0.89 Diameter	1.61	1.47	1.59	3.36	0.75	8134-HC-6P2 (Tin/Lead)	6-1437514-9 (Tin/Lead)
						8134-HC-8P2 (Gold)	7-1437514-0 (Gold)
Round Lead 0.89 - 1.14 Diameter	2.22	2.08	2.18	4.06	1.27 (Min)	8134-HC-12P2 (Gold)	5-1437514-9 (Gold)

Holtite SIP Pattern Reels

Number of Contacts per Reel	Contact Plating	Contact Style	Augat Part Number	Tyco Part Number
2500	Gold	SP2	322-HCS5P2-100	2-1437514-0
	Tin/Lead	SP3	322-HCS5P3-100	3-1437514-6

Holtite DIP Pattern Reels

Number of Contacts per Reel	Contact Plating	Contact Style	Row Spacing	Augat Part Number	Tyco Part Number
5000	Gold	SP Series	.30"	322-HCS5P2-300	1-1437514-3
	Tin/Lead	SP Series	.30"	322-HCS5P3-300	3-1437514-7

PLCC Sockets - Through Hole

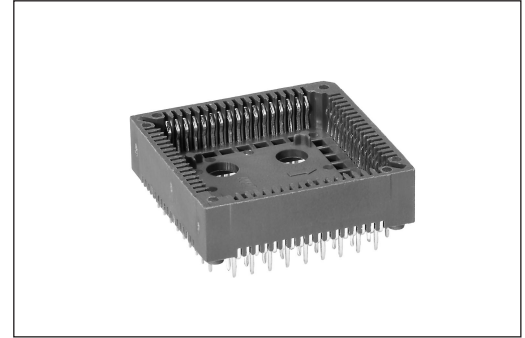
- Accepts Jedec Type A PLCC
- Easy access for chip probing
- Stand-offs & drain holes aid PCB cleaning
- Visual to ensure correct PCB registration

Specification:

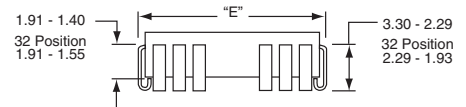
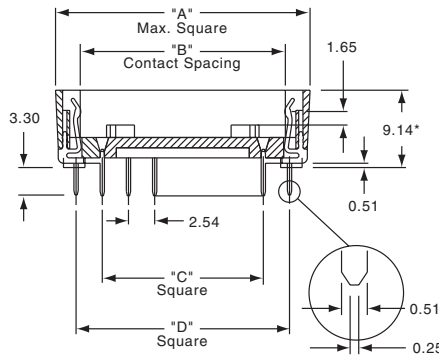
Housing - Glass filled thermoplastic
UL94V-0

Contacts - Phosphor bronze tin plate RoHS

Current Rating - 1A



PCS Series
High Normal Force
200gm min.



Standard Configuration

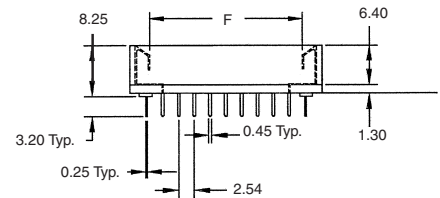
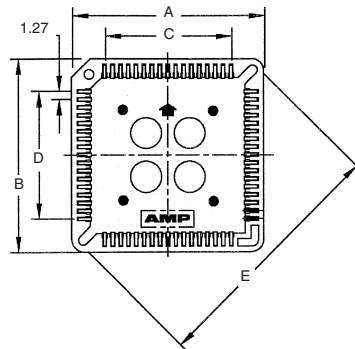
* 32 Position only 8.38

No. of Positions	A	B	Dimension C	D	E	Augat Number	Tyco Part Number
20	14.98	9.14	5.08	10.16	10.03/9.78	PCS-020A-1	1571539-1
28	17.52	11.68	7.62	12.70	12.57/12.32	PCS-028A-1	1571539-2
44	22.60	16.76	12.70	17.78	17.65/17.40	PCS-044A-1	1571541-1
52	25.15	19.30	15.24	20.32	20.19/19.94	PCS-052A-1	1571541-2
68	30.22	24.46	20.32	25.40	25.27/25.02	PCS-068A-1	1571541-3
84	35.31	29.54	25.40	30.48	30.35/30.10	PCS-084A-1	1571541-4

32 Position Rectangular

No. of Positions	Dimensions - Long Side (Short Side in brackets)					Augat Number	Tyco Part Number
	A	B	C	D	E		
32	20.07 (17.53)	14.33 (11.79)	10.16 (11.79)	15.24 (12.70)	15.11/14.86 (12.57/12.32)	PCS-032A-1	1571540-1

Economy
Low Profile



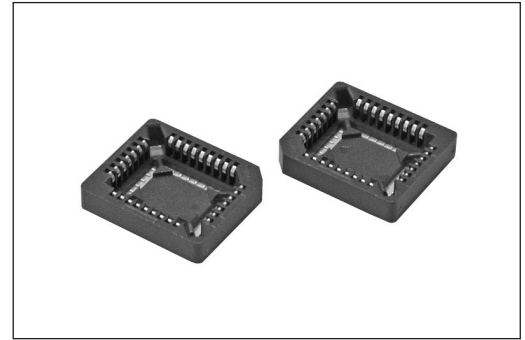
No. of Positions	A	B	Dimension C	D	E	F	Tyco Part Number
20	15.56	15.56	5.08	5.08	17.20	8.90	1-822473-1
28	18.10	18.10	7.62	7.62	20.70	11.46	1-822473-2
32	18.10	20.54	7.62	10.16	22.65	11.36	1-822473-3
44	23.18	23.18	12.70	12.70	27.50	16.74	1-822473-4
52	25.72	27.72	15.24	15.24	31.50	19.30	1-822473-5
68	30.80	30.80	20.32	20.32	39.00	24.38	1-822473-6
84	35.88	35.88	25.40	25.40	46.15	29.42	1-822473-7

PLCC Sockets - Low Profile, Surface Mount

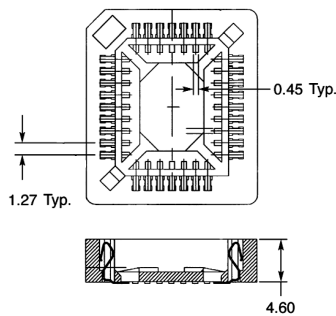
- Low profile for high density PCB stacking
- Pin 1 indicator
- Allows easy PLCC removal

Specification:

- Housing** - High temperature thermoplastic UL94V-0
- Current Rating** - 1A
- Durability** - 25 cycles



Low Profile, Surface Mount



No. of Positions	Part Number (Packaging)	
	Tape Mount	Tube
20	3-8225 16-3	8225 16-3
28	3-8225 16-2	8225 16-2
32	3-8225 16-7	8225 16-7
44	3-8225 16-1	8225 16-1
52	3-8225 16-4	8225 16-4
68	3-8225 16-5	8225 16-5
84	3-8225 16-6	8225 16-6

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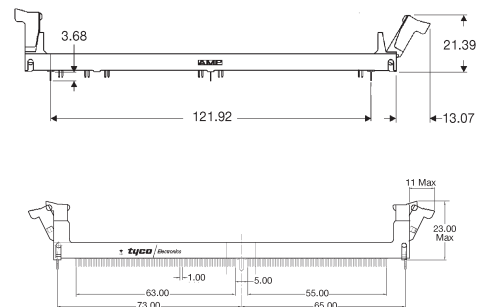
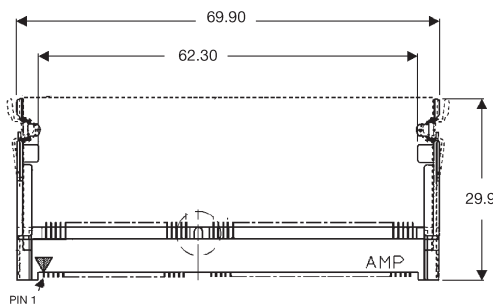
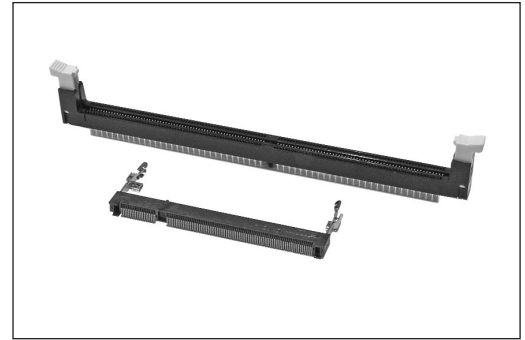


Memory / DIMM Sockets

- 124 - 240 position sockets
- Surface mount & through hole
- UL approved

Specification:

- Housing** - High temperature nylon
Contacts - Phosphor bronze, gold finish
Current Rating - 0.5A max.



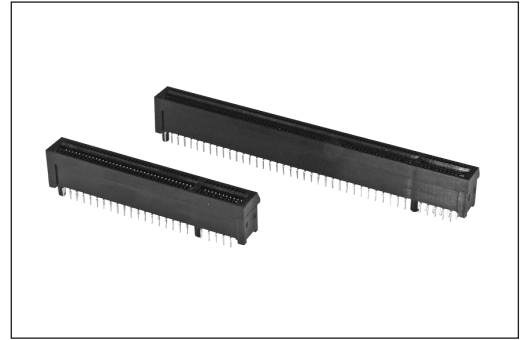
No. of Positions	Product Type	Pitch (mm)	Voltage	Module Type	Module Orientation	Profile	Termination Style	Part Number
124	Fax Modem Socket	0.8	-	-	Right Angle	Standard	SMT	6318228-1
144	SO DIMM	0.8	3.3	SDRAM	Right Angle	Standard	SMT	390113-1
144	SO DIMM	0.8	3.3	SDRAM	Right Angle	Low	SMT	390114-1
144	SO DIMM	0.8	3.3	SDRAM	Right Angle	High	SMT	390112-1
144	SO DIMM	0.8	3.3	SGRAM	Right Angle	High	SMT	390110-1
144	SO DIMM	0.8	3.3	SDRAM	Right Angle	Low	SMT	390111-1
168	DIMM	1.27	3.3	DRAM Non Buffered	Vertical	Standard	Through Hole	5390168-1
168	DIMM	1.27	3.3	DRAM Non Buffered	Right Angle	Low	Through Hole	1-5390171-6
168	DIMM	1.27	3.3	DRAM Non Buffered	25 Degrees	Low	Through Hole	5390170-6
168	DIMM	1.27	3.3	DRAM	Right Angle	Low	Through Hole	1-5390171-5
184	DIMM	1.27	2.5	DRAM - DDR 2	Vertical	Standard	Through Hole	5390241-1
200	SO DIMM	0.6	2.5	SDRAM - DDR 1	Right Angle	Standard	SMT	1473005-1
200	SO DIMM	0.6	1.8	SDRAM - DDR 2	Right Angle	Standard	SMT	1473005-4
200	SO DIMM	0.6	2.5	SDRAM - DDR 1 - Reverse	Right Angle	Standard	SMT	1473006-1
200	SO DIMM	0.6	1.8	SDRAM - DDR 2 - Reverse	Right Angle	Standard	SMT	1473006-4
240	DIMM	1.00	1.8	SDRAM - DDR 2	Vertical	Standard	Through Hole	1775802-1
240	DIMM	1.00	1.8	SDRAM - DDR 2 Fully Buffered	Vertical	Standard	Through Hole	1-1761024-1

Standard Edge .050 Series PCI Connectors

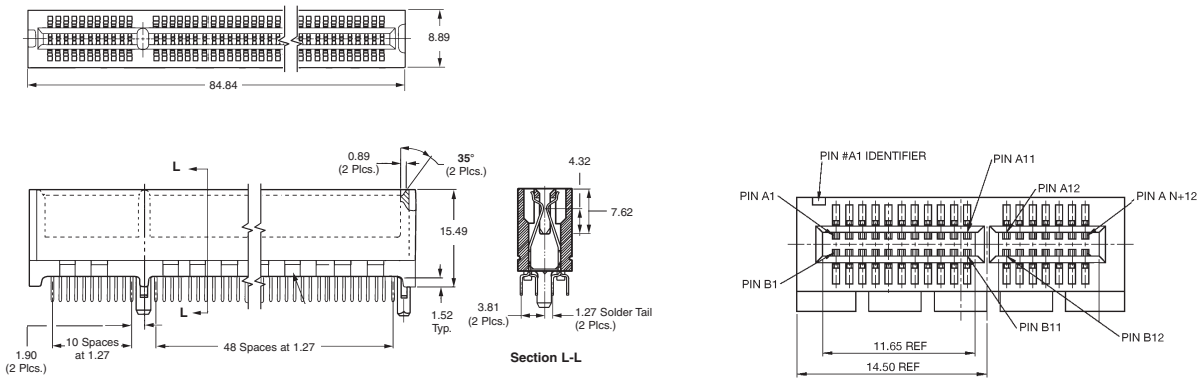
- High density .050 (1.27mm) centreline contact spacing
- Easy mating of high circuit count daughter boards
- Polarising web for positive board-to-connector registration

Specification:

- Housing** - High temperature thermoplastic
Contacts - Gold over nickel



Vertical mount - Through Hole



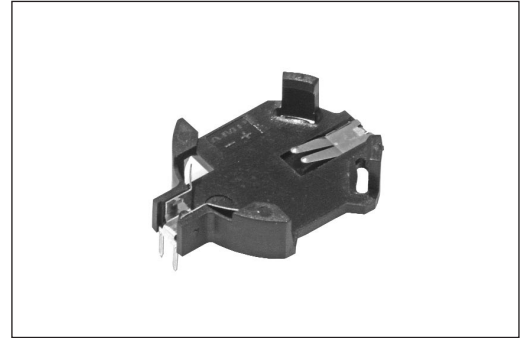
No. of Dual Positions	Total No. of Positions	Part Number
18	36	16 12 163-1
32	24	16 12 163-2
49	98	16 12 163-3
60	120	51 45 154-4
82	164	16 12 163-4

Battery Connectors

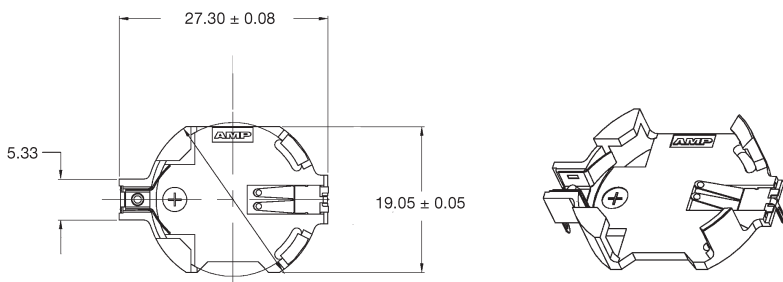
- Accepts Lithium Ion CR2032 cells
- Self ejecting allows battery removal without tools
- UL94V-0

Specification:

Housing - UL94V-0 PBT
Contacts - Tin plated



Battery Connectors



Cell Type	Termination Style	No. of Cells/Holder	Part Number
Lithium CR 2032	Through Hole	1	12059 1-1
Lithium CR 2032	SMT	1	796136-1

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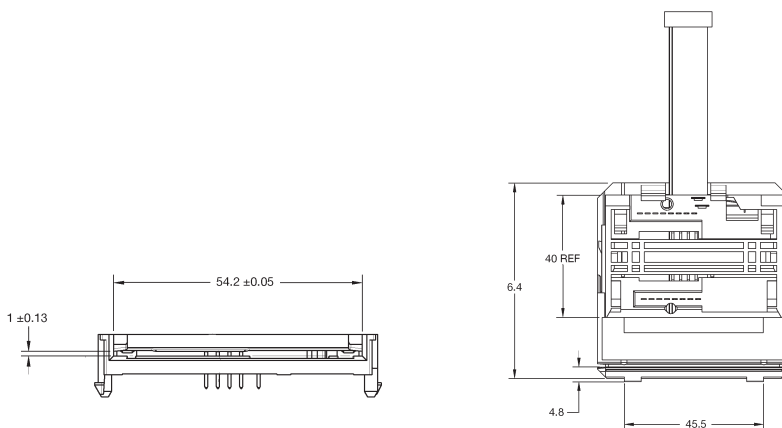
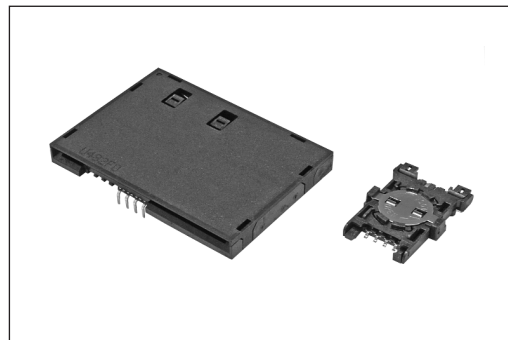


Smart Card Connectors

- Accept 0.76mm thick integrated circuit type Smartcard ISO 7816-7816 or ISOCP8-AFNOR standard and GSM 11.11 standards for SIM cards

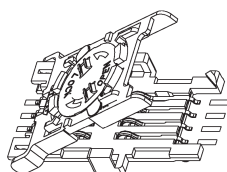
Specification:

Housing - PBT
Contacts - 0.76µm gold



Smart Cards

Card Type	Mating Cycles	Mounting Style	No. of Contacts	Switch	Features	Part Number
Full Size Card	30,000	Through Hole	8	Yes	Low Profile	5953398-1
Full Size Card	30,000	Through Hole	8	Yes	High Profile	5953438-1
Full Size Card	30,000	Ribbon Cable Termination	8	Yes	80mm Ribbon Cable - Through Hole	5953131-4
Full Size Card	30,000	Ribbon Cable Termination	8	Yes	60mm Ribbon Cable - Panel Mount	5953497-1
(Ribbon cable assembly mates with Micromatch part no. 8-215079-0)						
Full Size Card	300,000	Through Hole	8	Yes	High Durability	1705054-1
2 x Full Size Cards	30,000	2 x Ribbon Cable Termination	2 x 8	Yes	Stacked	6379018-1
(Ribbon cable assembly mates with Micromatch part no. 8-215079-0 - Quantity 2)						



Security Access Modules (SAM)

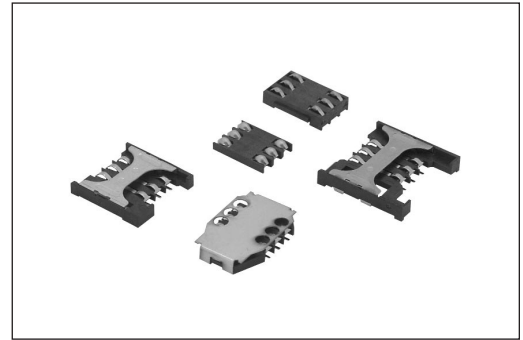
Card Type	Mating Cycles	Mounting Style	No. of Contacts	Switch	Features	Part Number
6 Pos SIM / SAM	10,000	SMT	6	Yes	Metal Locking Disk	5145299-1
8 Pos SIM / SAM	10,000	SMT	8	Yes	Metal Locking Disk	5145299-2

SIM Card Connectors

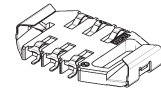
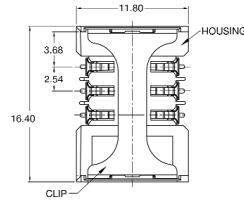
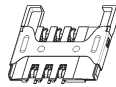
- Suitable for reading SIM & UIM cards
- Wide range of mounting heights
- Tape mounted for pick and place manufacturing

Specification:

- Housing** - Thermoplastic, black
Contacts - Selective gold
Durability - 5000 mating cycles

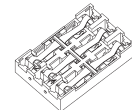
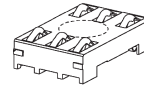
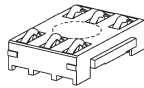


SIM Portfolio with Card Holder



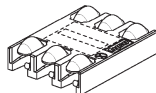
Total Height (mm)	HSG Height (mm)	With Card Stop Clip Allover	Part Number Without Card Stop Clip Allover	With Card Stop 2 Piece Clip
1.9	0.8	1747314-1	-	-
2.1	0.95	1871406-1	-	-
2.4	1.2	2-292292-4	-	-
2.5	1.3	-	-	1-1705615-3
2.7	1.5	2-292292-7	-	-
2.8	1.6	-	-	1-1705615-6
2.9	1.7	2-292292-9	-	-
3.1	1.9	3-292292-1	-	-
3.2	2.0	-	3-292373-2	-

Generic SIM



Height (mm)	With Ribs Without Contact Retention	Part Number Without Ribs Without Contact Retention	Without Ribs With Contact Retention
1.9	1-338063-9	1-1377227-9	-
2.0	2-338063-0	-	-
2.2	2-338063-2	-	-
2.4	2-338063-4	-	2-1483437-4
2.5	2-338063-5	-	-
2.6	2-338063-6	-	-
2.8	2-338063-8	-	-
3.7	3-338063-7	-	-
4.0	4-338063-0	-	-

5 Direction SIM



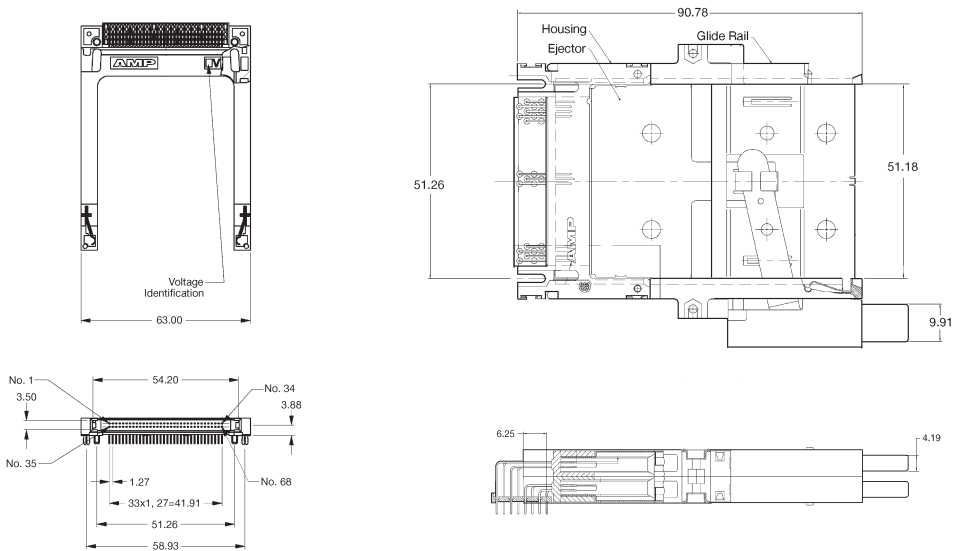
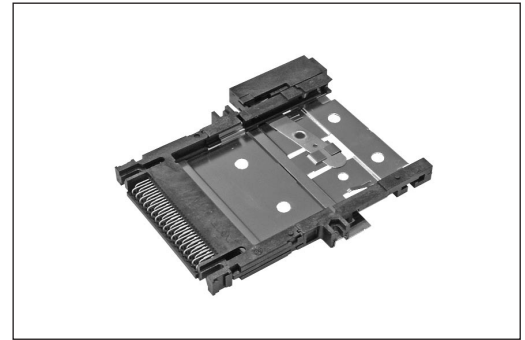
Height (mm)	Part Number With Ribs
1.5	1-1705300-5
1.6	1-1705300-6
1.7	1-1705300-7
1.8	1-1705300-8
1.9	1-1705300-9
2.0	2-1705300-0
2.1	2-1705300-1
2.2	2-1705300-2
2.3	2-1705300-3
2.4	2-1705300-4

PCMCIA / PC Card Connectors

- Headers accept Type I, II and III PC Cards
- UL & CSA approved

Specification:

Contacts - 0.76µm gold plating



Board Mount, Top Side Mounting - Right Angle, Through Hole

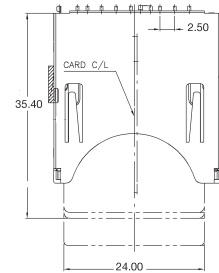
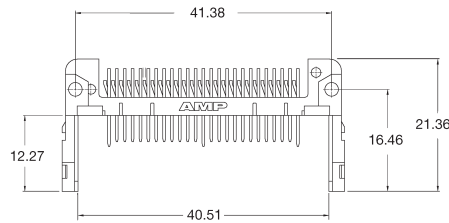
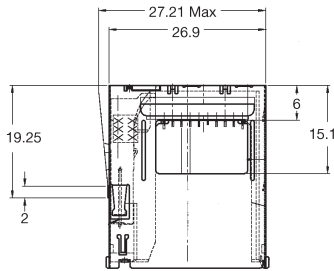
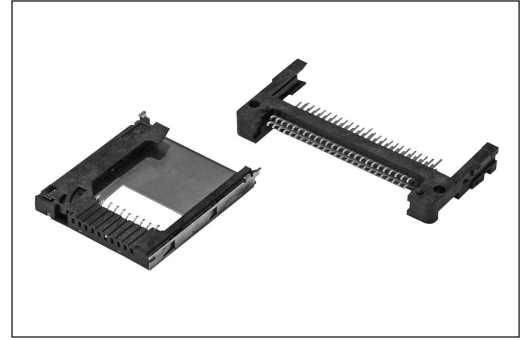
Ejectors	Stacked	Voltage Identification	Part Number
No	No	5V	5338932-1
No	No	3.3V	5338932-2
Yes - Left	No	5V	5146023-1
Yes - Right	No	5V	5146025-1
Yes - Left	Yes	5V	5146029-1

Removable Card Products

- Accepts industry standard cards
- Right angle, low profile design
- Suitable for many applications

Specification:

Housing - UL94V-0 LCP
Contacts - Gold plating



Product Description	Part Number
SD Card Connector - Push, Push Type	1734472-1
Compact Flash - Right Angle - SMT	5788667-1
Memory Stick Connector - Push, Push Type	1717431-1

*All products compliant
with the RoHS 2002/95/EC
directive*



SOLISTRAND

- Terminates solid & stranded conductor
- Brased seam for greater strength of conductivity
- Applied using "W" crimp tooling

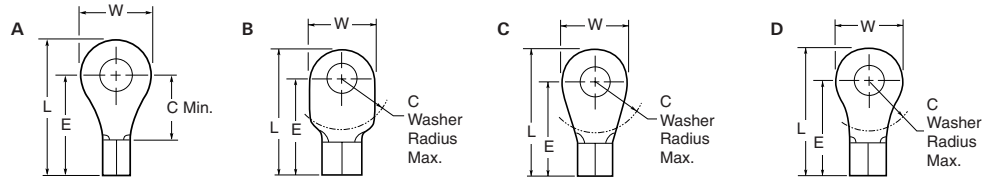
Material:

Terminal Body - Copper per ASTM B-152

Plating - Tin per MIL-T10727



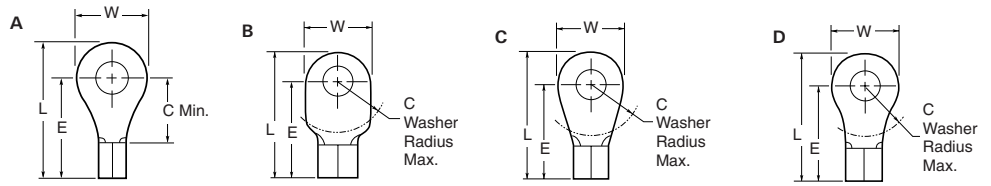
Ring Tongue Terminals



Wire Size (mm ²)	Stud Size	Style	L	Dimension E	Dimension C	W	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece	
26 - 22 (0.10 - 0.41)	2 (M2)	A	10.64	8.79	5.36	3.56	0.51	0.79	50334	
22 - 16 (0.26 - 1.65)	4	A	11.33	8.97	4.37	4.62	0.84	1.55	36467	
		A	11.40	8.56	3.96	5.54	0.84	1.55	34105	
	6 (M3.5)	A	14.58	11.07	6.35	7.14	0.84	1.55	34107	
		A	15.77	11.73	7.14	7.92	0.84	1.55	34110	
	8 (M8)	A	14.58	11.07	6.35	7.14	0.84	1.55	34108	
		A	15.77	11.73	7.14	7.92	0.84	1.55	34112	
	16 - 14 (1.04 - 2.62)	10	A	14.58	11.07	6.35	7.14	0.84	1.55	34109
			A	14.58	11.07	6.35	7.14	0.84	1.55	34109
		1/4 (M6)	A	21.74	15.70	11.10	11.91	0.84	1.55	34113
		5/16 (M8)	A	21.74	15.70	11.10	11.91	0.84	1.55	34114
3/8		A	25.27	18.47	13.87	13.49	0.84	1.55	34115	
1/2 (M12)		A	27.18	18.06	13.46	18.11	0.84	1.55	329966	
12 - 10 (2.62 - 6.64)	4	A	12.10	8.94	4.34	6.35	0.84	2.16	34119	
		A	16.15	11.73	7.14	8.71	0.84	2.16	34121	
	6 (M3.5)	A	12.19	8.94	4.34	6.35	0.84	2.16	34120	
		A	14.99	10.95	6.35	7.92	0.84	2.16	321684	
	8 (M4)	A	16.15	11.73	7.14	8.71	0.84	2.16	34122	
		A	21.72	15.70	11.10	11.91	0.84	2.16	34124	
		A	21.72	15.70	11.10	11.91	0.84	2.16	34125	
		A	25.27	18.47	13.87	13.49	0.84	2.16	34126	
	8 (6.64 - 10.5)	6 (M3.5)	A	16.00	12.37	5.56	7.14	1.07	3.28	35476
			A	17.98	13.94	7.14	7.92	1.07	3.28	322454
10		A	19.43	14.61	7.67	9.53	1.07	3.28	33457	
		A	21.97	15.54	8.74	12.70	1.07	3.28	35771	
1/4 (M4)		A	21.97	15.54	8.74	12.70	1.07	3.28	35772	
		A	25.50	18.69	11.89	13.49	1.07	3.28	33458	
5/16 (M8)		A	25.50	18.69	11.89	13.49	1.07	3.28	33459	
		A	27.89	20.29	13.49	15.06	1.07	3.28	33220	
6 (10.5 - 16.8)	8 (M4)	C	24.10	18.87	9.12	10.31	1.30	4.37	324061	
		C	23.70	17.68	9.12	11.91	1.30	4.37	32996	
	10	C	23.70	17.68	9.12	11.91	1.30	4.37	2-33460-3	
		C	24.10	18.87	9.12	10.31	1.30	4.37	2-31807-2	
	1/4 (M6)	C	23.70	17.68	9.12	11.91	1.30	4.37	33461	
		A	29.67	22.05	13.49	15.09	1.30	4.37	33462	
	5/16 (M8)	A	27.28	20.07	10.31	14.27	1.30	4.37	31808	
		A	49.91	33.96	25.40	31.75	1.30	4.37	35664	
	6 (10.5 - 16.8)	10	C	30.00	23.65	13.49	10.31	1.52	5.89	52197
			C	31.65	23.65	13.49	15.88	1.52	5.89	33464
1/4 (M6)		C	29.67	23.65	13.49	11.89	1.52	5.89	321598	
		C	31.65	23.65	13.49	15.88	1.52	5.89	33466	
3/8		C	31.65	23.65	13.49	15.88	1.52	5.89	33467	
1/2 (M12)	C	46.74	35.56	25.40	22.23	1.52	5.89	320344		

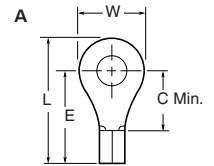
SOLISTRAND (continued)

Ring Tongue Terminals



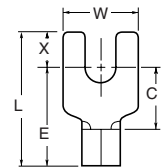
Wire Size (mm ²)	Stud Size	Style	L	Dimension E	Dimension C	W	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
4 (16.8 - 26.7)	10	A	33.38	24.84	13.11	16.66	1.85	7.52	33468
	1/4 (M6)	A	33.38	24.84	13.11	16.66	1.85	7.52	33469
		C	30.45	24.03	11.10	12.70	1.85	7.11	31811
	1/2 (M12)	A	53.09	37.13	25.40	31.75	1.85	7.52	35668
B		48.31	37.13	25.40	22.23	1.85	7.52	327175	
2 (26.7 - 42.4)	1/4 (M6)	B	38.79	30.78	13.49	15.88	1.85	9.40	320383
	5/16 (M8)	B	38.79	30.78	13.49	15.88	1.85	9.40	322870
	3/8	B	38.79	30.78	13.49	15.88	1.85	9.40	321600
	1/2 (M12)	D	42.09	30.78	13.49	22.61	1.85	9.40	35185
1/0 (42.4 - 60.6)	5/16 (M8)	C	49.68	38.84	15.88	22.23	1.85	11.28	36916
	C	48.90	38.91	15.88	20.50	1.85	11.28	321867	
3/0 (76.3 - 96.3)	5/16 (M8)	C	49.02	39.37	15.88	23.52	2.11	12.80	321870
	3/8	C	49.02	39.37	15.88	23.52	2.11	12.80	321871
	1/2	C	49.02	39.37	15.88	23.52	2.11	12.80	321873
4/0 (96.3 - 117)	3/8	C	50.80	39.24	15.88	24.03	2.11	12.80	36925
	1/2 (M12)	B	55.32	42.09	15.88	27.61	2.67	16.13	321878
		B	55.32	42.09	15.88	27.61	2.67	16.13	321880
		B	56.03	41.76	15.88	29.21	2.67	16.13	36934

Heavy Duty Ring Tongue Terminals



Wire Size (mm ²)	Stud Size	Style	L	Dimension E	Dimension C	W	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
16 - 14 (1.04 - 2.62)	10	A	18.36	13.94	7.14	8.71	1.27	2.67	34567
	1/4 (M6)	A	21.97	15.54	8.74	12.70	1.27	2.67	35775
	1/2 (M12)	A	32.28	22.68	15.88	19.05	1.27	2.67	321165

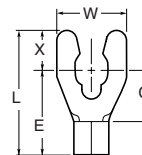
Spade Tongue Terminals



Wire Size (mm ²)	Stud Size	L	E	Dimension C	W	X	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	2 (M2)	12.80	9.75	5.16	4.62	2.92	0.84	1.55	53555-1
	6 (M3.5)	13.46	9.75	5.16	7.54	3.58	0.84	1.55	36195
		15.82	12.52	7.92	6.35	3.18	0.84	1.55	323127
	10	17.40	12.52	7.92	9.53	4.75	0.84	1.55	34118
16 - 14 (1.04 - 2.62)	6 (M3.5)	13.46	9.75	5.16	7.54	3.58	0.84	2.16	322996
	8	17.40	12.52	7.92	9.78	4.75	0.84	2.16	34128
	10	17.40	12.52	7.92	9.78	4.75	0.84	2.16	34129
12 - 10 (2.62 - 6.64)	6 (M3.5)	16.03	12.34	5.54	7.16	3.56	1.07	3.28	322451
	8 (M4)	25.17	19.23	11.89	7.92	6.35	1.07	3.28	32995
	10	19.61	14.33	7.52	9.53	5.16	1.07	3.28	35495

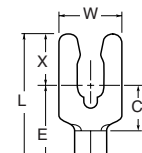
SOLISTRAND (continued)

Short Spring Spade Tongue Terminals



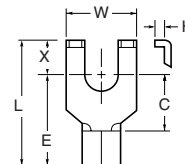
Wire Size (mm ²)	Stud Size	L	E	Dimension C	W	X	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
22 - 16	4	14.63	10.95	6.35	5.16	3.56	0.84	1.55	53175-1
(0.26 - 1.65)	6 (M3.5)	14.63	10.95	6.35	6.35	3.56	0.84	1.55	53120-1
16 - 14	6 (M3.5)	14.63	10.95	6.35	6.35	3.56	0.84	2.15	53123-1
	8 (M8)	16.18	11.73	7.14	9.53	4.32	0.84	2.16	53124-1
(1.04 - 2.62)	10	17.40	11.73	7.14	10.31	5.54	0.84	2.16	53125-1
12 - 10	6 (M3.5)	16.15	11.48	4.42	6.35	4.55	1.07	3.28	53126-1
	10	19.74	14.07	7.01	10.31	5.54	1.07	3.28	53128-1
(2.62 - 6.64)									

Long Spring Spade Tongue Terminals



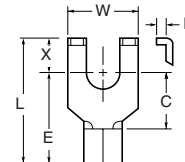
Wire Size (mm ²)	Stud Size	L	E	Dimension C	W	X	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
16 - 14	8 (M4)	19.20	11.71	6.86	7.14	7.37	0.84	2.16	52713-1
(1.04 - 2.62)	10	19.86	12.04	7.19	8.71	7.70	0.84	2.16	52714-1

Flanged Spade Tongue Terminals



Wire Size (mm ²)	Stud Size	L	E	Dimension C	W	X	H	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
22 - 16	8 (M4)	13.06	9.75	5.16	7.52	3.18	1.14	0.84	1.55	52730-1
(0.26 - 1.65)										
16 - 14	8 (M4)	13.06	9.75	5.16	7.47	3.18	1.19	0.84	2.16	320856
(1.04 - 2.62)										

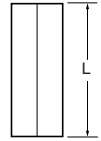
Slotted Ring Tongue Terminals



Wire Size (mm ²)	Stud Size	L	E	Dimension C	W	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
22 - 16	4	10.80	8.97	4.37	4.62	0.84	1.55	53175-1
(0.26 - 1.65)								

SOLISTRAND (continued)

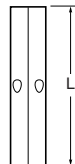
Parallel Splices



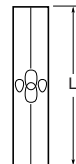
Wire Size (mm ²)	L	Dimension I.D.	O.D.	Material Thickness Max.	Part Number Loose Piece
16 - 14 (1.04 - 2.62)	7.65	2.16	4.19	0.84	34137
12 - 10 (2.62 - 6.64)	8.71	3.28	5.74	1.07	34138
8 (6.64 - 10.5)	9.53	4.37	7.52	1.30	34318
1/0 (42.4 - 60.6)	18.64	11.28	15.57	1.85	36946
2/0 (60.6 - 76.3)	18.64	12.80	17.86	2.11	36948

Butt Splices

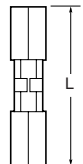
Standard



Sight Hole

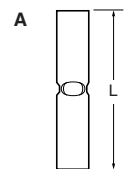


Strap



Wire Size (mm ²)	Style	L	Dimension I.D.	O.D.	Material Thickness Max.	Part Number Loose Piece
26 - 22 (0.26 - 1.65)	Strap	9.78	0.79	2.08	0.51	321198
24 - 20 (1.04 - 2.62)	Strap	12.45	1.09	2.67	0.64	324001
22 - 16 (0.26 - 1.65)	Standard	14.68	1.55	3.58	0.84	31818
	Sight Hole	14.68	1.55	3.58	0.84	330367
16 - 14 (1.04 - 2.62)	Standard	14.40	2.16	4.19	0.84	31819
	Strap	15.01	2.16	4.19	0.84	327025
12 - 10 (2.62 - 6.64)	Sight Hole	14.40	3.28	5.74	1.07	330368
	Standard	14.35	3.28	5.74	1.07	32151
8 (6.64 - 10.5)	Standard	21.01	4.37	7.52	1.30	34321
	Sight Hole	21.01	4.37	7.52	1.30	36906
6 (10.5 - 16.8)	Standard	25.78	5.89	9.37	1.52	34322
	Sight Hole	25.78	5.89	9.37	1.52	36886
4 (16.8 - 26.7)	Standard	28.96	7.52	11.76	1.85	34323
2 (26.7 - 42.4)	Standard	32.13	9.40	13.69	1.85	35189

Butt Splices



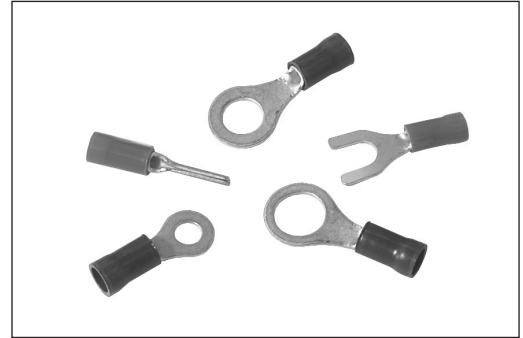
Wire Size (mm ²)	Style	L	Dimension I.D.	O.D.	Material Thickness Max.	Part Number Loose Piece
1/0 (42.4 - 60.6)	A	35.86	11.28	15.57	1.85	36957
2/0 (60.6 - 76.3)	A	36.50	12.80	17.60	2.11	36958
3/0 (0.26 - 1.65)	A	37.60	14.35	19.69	2.39	36959
4/0 (96.3 - 117)	A	37.69	16.13	22.07	2.67	36960

PLASTI-GRIP

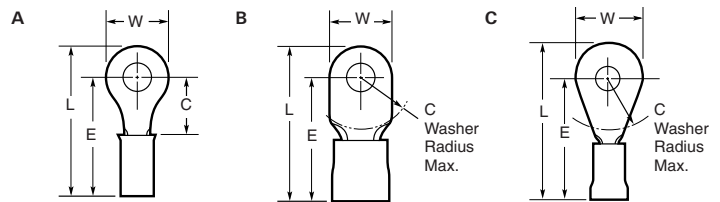
- Commercial grade crimp terminal
- Vinyl sleeve ensures dielectric strength
- Serrated barrel for maximum conductor contact
- Temperature rating: 90°C max
- Electrical rating: 600V

Material:

- Insulation** - Vinyl UL94V-0
Terminal body & metallic sleeve - Copper per ASTM B-152
Plating - Tin per ASTM B-545



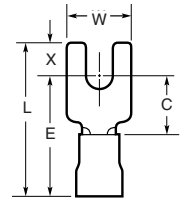
Ring Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	Style	W	Dimension C	E	L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	0.84	2 / M2	A	5.54	3.96	14.53	17.37	Red	3.56	34140
		4	A	5.54	3.96	14.53	17.37	Red	3.18	32944
				5.54	3.96	14.53	17.37	Red	3.18	32945
		6 / M3.5	A	7.14	6.35	16.92	20.55	Red	3.56	34144
				7.92	7.14	17.70	21.74	Red	3.56	34147
				7.14	6.35	16.92	20.55	Red	3.18	32948
		8 / M4	A	7.14	6.35	16.92	20.55	Red	3.56	34145
				7.92	7.14	17.70	21.74	Red	3.18	32951
				7.92	7.14	17.70	21.74	Red	3.56	34148
		10	A	7.14	6.35	16.92	20.55	Red	3.56	34146
				7.92	7.14	17.70	21.74	Red	3.18	32952
		1/4 M6	A	11.91	11.10	21.67	27.69	Red	3.56	34150
		5/16 M8	A	11.91	11.10	21.67	27.69	Red	3.56	34151
		3/8	A	13.49	13.87	24.43	31.24	Red	3.56	34152
16 - 14 (1.04 - 2.62)	0.84	4	A	6.35	4.34	14.91	18.16	Blue	4.32	34157
		6 / M3.5	A	8.71	7.14	17.70	22.12	Blue	4.32	34159
				7.92	6.35	16.92	20.96	Blue	4.32	328527
		8 / M4	A	8.71	7.14	17.70	22.12	Blue	3.68	32959
				8.71	7.14	17.70	22.12	Blue	4.32	34160
		1/4 M6	A	11.91	11.10	21.67	27.69	Blue	3.68	32961
				11.91	11.10	21.67	27.69	Blue	4.32	34162
		5/16 M8	A	11.91	11.10	21.67	27.69	Blue	4.32	34163
		3/8	A	13.49	13.87	24.43	31.70	Blue	4.32	34164
		12 - 10 (2.62 - 6.64)	1.07	6 / M3.5	A	7.14	5.56	20.57	24.21	Yellow
				9.53	7.67	22.68	27.89	Yellow	5.84	34168
10	A			9.53	7.67	22.68	27.89	Yellow	6.35	34854
1/4 M6	A			13.49	11.89	26.90	33.71	Yellow	6.35	34855
5/16 M8	A			13.49	11.89	26.90	33.71	Yellow	6.35	34856
1/2 M12	A			19.05	15.88	30.89	40.89	Yellow	6.35	34837
8 (6.64 - 10.5)	1.09	1/4 M6	C	12.14	11.10	34.49	40.64	Red	8.38	52041-3
		5/16 M8	C	14.91	12.70	35.56	43.08	Red	9.14	52291
		3/8	C	14.91	12.70	35.56	43.08	Red	9.14	52291-1
6 (10.15 - 16.8)	1.22	10	B	11.89	10.69	37.64	43.66	Blue	11.07	52265
		1/4 M6	C	12.70	13.08	40.41	47.47	Blue	9.14	52042-3
		5/16 M8	B	15.88	13.08	40.41	48.41	Blue	11.43	52264
		3/8	B	15.88	13.08	40.41	48.41	Blue	11.43	52264-1
		1/2 M12	C	20.70	13.08	36.60	47.02	Blue	11.07	52350
		4 (16.8 - 26.7)	1.30	1/4 M6	B	13.87	13.49	42.47	49.48	Yellow
3/8	B			17.25	13.49	42.47	51.16	Yellow	11.43	52266-4

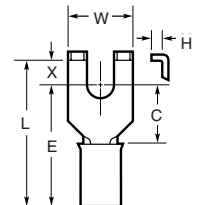
PLASTI-GRIP (continued)

Spade Tongue Terminals



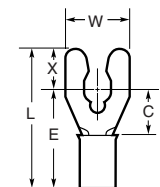
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension			Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
					E	L	X			
22 - 16 (0.26 - 1.65)	0.84	6 M3.5	6.35	7.92	18.49	21.79	3.18	Red	3.56	327043
			7.54	5.16	15.72	19.43	3.58	Red	3.18	327735
		8 / M4	9.53	7.92	18.49	23.37	4.75	Red	3.56	34155
16 - 14 (1.04 - 2.62)	0.84	10	9.53	7.92	18.49	23.37	4.75	Red	3.56	34156
		6 M3.5	7.54	5.16	15.72	19.43	3.58	Blue	3.68	322994

Flanged Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension			H	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
					E	L	X				
22 - 16 (0.26 - 1.65)	0.84	6 M3.5	7.52	5.16	15.72	19.02	3.18	1.14	Red	3.56	322249
		8 M4	10.57	6.35	16.92	21.39	4.34	1.57	Red	3.56	324169
		10	7.52	5.16	15.72	19.02	3.18	1.14	Red	3.56	328516
12 - 10 (2.62 - 6.64)	1.07	6 M3.5	7.52	6.35	21.36	25.83	4.34	1.32	Yellow	5.84	324581

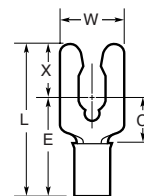
Short Spring Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension			Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
					E	L	X			
22 - 16 (0.26 - 1.65)	0.84	4	5.16	6.35	16.92	20.60	3.56	Red	3.56	52947
		6 / M3.5	5.94	6.35	16.92	20.60	3.56	Red	3.56	53240-1
			6.35	6.35	16.92	20.60	3.56	Red	3.56	52949
		8 M4	9.53	7.14	17.70	22.15	4.32	Red	3.56	52950
		10	7.47	7.14	17.70	23.37	5.54	Red	3.56	53242-1
16 - 14 (1.04 - 2.62)	0.84	6 / M3.5	6.35	6.35	16.92	20.60	3.56	Blue	4.32	52955
		8 / M4	6.20	7.14	17.70	22.15	4.32	Blue	4.32	53244-1
			9.53	7.14	17.70	22.15	4.32	Blue	4.32	52956
12 - 10 (2.62 - 6.64)	1.07	6 / M3.5	10.31	7.14	17.70	23.37	5.54	Blue	4.32	52957
			6.35	4.42	19.69	24.36	4.55	Yellow	5.08	52961
		8 / M4	6.35	4.42	19.69	24.36	4.55	Yellow	6.35	53246-1
			7.92	7.01	22.28	26.72	4.32	Yellow	6.35	53247-1
			9.53	7.01	22.28	26.72	4.32	Yellow	5.08	52962

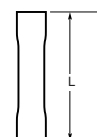
PLASTI-GRIP (continued)

Long Spring Spade Tongue Terminals



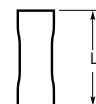
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension E	L	X	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	0.84	6 / M3.5	6.35	6.05	16.87	24.00	7.01	Red	3.56	52453
		8 / M4	7.14	6.86	17.68	25.17	7.37	Red	3.56	52454
16 - 14 (1.04 - 2.62)	0.84	6 / M3.5	6.35	6.05	16.87	24.00	7.01	Blue	4.32	52463
		10	8.71	7.19	18.01	25.83	7.70	Blue	4.32	52465

Butt Splices



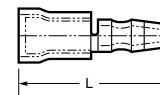
Wire Size (mm ²)	Dimension L	Splice Insulation Colour	Wire Insulation Diameter Max.	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	27.05	Red	4.32	34243
	27.33	Natural with Red Letters	3.05	324138
	27.33	Natural with Red Letters	3.56	55792-1
	27.05	Red	2.11 x 4.34	34203
16 - 14 (1.04 - 2.62)	27.05	Blue	3.56	34068
	27.05	Natural with Blue Letters	3.56	328427
	27.05	Natural with Blue Stripes	4.32	55785-1
	27.05	Blue	5.46	35244
	27.05	Blue	3.43 x 6.22	34204
12 - 10 (2.62 - 6.64)	29.46	Yellow	6.35	34945

Parallel Splices



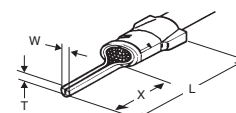
Wire Size (mm ²)	Dimension L	Splice Insulation Colour	Wire Insulation Diameter Max.	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	19.30	Red	3.05	34131
16 - 14 (1.04 - 2.62)	19.30	Blue	4.32	34134
12 - 10 (2.62 - 6.64)	22.10	Yellow	5.84	34136

Shur-Plug (.156 Series)



Wire Size (mm ²)	Tongue Material Thickness Max.	Dimension L	Splice Insulation Colour	Wire Insulation Diameter Max.	Part Number Loose Piece
16 - 14 (1.04 - 2.62)	0.84	20.34	Blue	4.32	324227

Insulated Round Wire Pins from 0.25 - 6.6mm²



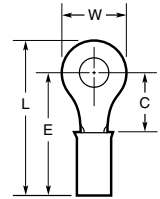
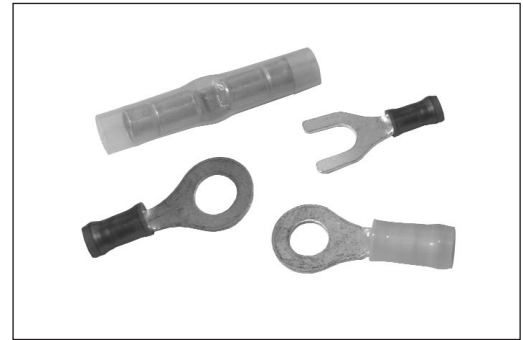
Wire Size (mm ²)	X	Dimension W	T	L	Splice Insulation Colour	Wire Insulation Diameter	Part Number
0.25 - 1.6	6.7	1.8	1.8	20.5	Red	3.7	165143
	9.9	1.8	1.8	23.8	Red	3.7	165167
2.7 - 6.6	9.9	2.6	2.6	29.2	Yellow	6.4	165085

PIDG (Pre-Insulated Diamond Grip)

- High conductivity fine grade copper
- Nylon sleeve has dielectric strength
- Serrated barrel for maximum conductor contact
- Temperature rating: 105°C
- Electrical rating: 300V

Material:

- Insulation** - Nylon UL94V-2
Terminal body & metallic sleeve - Copper per ASTM B-152
Plating - Tin per ASTM B-545

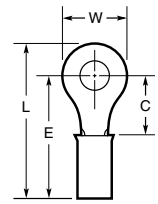


Ring Tongue Terminals - Nylon

Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension C	E	L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
26-22 (0.10-0.41)	0.74	2 (M2)	5.56	5.36	13.77	15.62	Yellow	2.08	329951
22-16 (0.26-1.65)	0.84	2 (M2)	5.54	3.96	14.22	17.07	Red	3.18	328657
			4	4.62	4.37	14.63	16.99	Red/Green	3.18
		6 (M3.5)	4.62	4.37	14.63	16.99	Red	3.56	320882
			5.54	3.96	14.22	17.07	Red	3.56	36150
		8 (M4)	6.35	6.35	16.61	19.86	Red	3.18	51863
			7.14	6.35	16.61	20.24	Red	3.18	320554
		10	8.74	7.54	17.81	22.25	Red	3.18	32836
			8.74	7.54	17.81	22.25	Red	3.56	32837
		5/16 (M8)	11.91	11.10	21.36	27.38	Red	3.18	320572
			11.91	11.10	21.36	27.38	Red	3.56	31895
		3/8	13.49	13.87	24.13	30.94	Red	3.18	320573
			13.49	13.87	24.13	30.94	Red	3.56	31897
1/2 (M12)	18.11	13.46	23.72	32.84	Red	3.18	328975		
	4	6.35	4.34	14.61	17.86	Blue	3.81	324159	
16-14 (1.04-2.62)	0.84	6 (M3.5)	7.92	6.35	16.61	20.65	Blue	4.32	326882
			8.71	7.14	17.40	21.82	Blue	3.81	36157
		8 (M4)	8.71	7.14	17.40	21.82	Blue	3.81	320560
			8.71	7.14	17.40	21.82	Blue	3.81	320574
		5/16 (M8)	11.91	11.10	21.36	27.38	Blue	3.81	320575
			11.91	11.10	21.36	27.38	Blue	4.32	328998
3/8	13.49	13.87	24.13	30.94	Blue	3.81	320564		
	6 (M3.5)	7.14	5.56	20.57	24.21	Yellow/Black	5.84	320631	
7.14		5.56	20.57	24.21	Yellow/Black	6.35	35634		
8 (M4)	8.71	7.14	22.15	26.57	Yellow/Black	5.84	320627		
	8.71	7.14	22.15	26.57	Yellow/Black	6.35	35106		
10	8.71	7.14	22.15	26.57	Yellow/Black	5.84	320630		
	12.70	8.74	23.75	30.18	Yellow/Black	5.84	34974		
1/4 (M6)	13.49	11.10	26.11	32.92	Yellow/Black	6.35	34806		
	19.05	15.88	30.89	40.49	Yellow/Black	6.35	35316		
16-14HD (1.04-2.62)	1.27	6 (M3.5)	7.14	5.56	20.57	24.21	Yellow	5.84	320634
			7.14	5.56	20.57	24.21	Yellow	6.35	35149
8 (M4)	7.92	7.14	22.15	26.19	Yellow	5.84	35787		
	7.92	7.67	22.68	26.72	Yellow	5.84	324915		
10	7.92	7.67	22.68	26.72	Yellow	5.84	324918		
	9.53	7.67	22.68	27.51	Yellow	5.84	36161		
1/4 (M6)	12.70	8.74	23.75	30.18	Yellow	5.84	35273		
	13.49	11.89	26.77	33.58	Yellow	5.84	320569		
5/16 (M8)	13.49	11.89	26.77	33.58	Yellow	6.35	35111		
	15.06	13.49	28.32	35.92	Yellow	5.84	320577		
3/8	15.06	13.49	28.32	35.92	Yellow	6.35	35112		
	19.05	15.88	30.89	40.49	Yellow	6.35	35151		
12-10 (2.62-6.64)	1.07	1/2 (M12)	7.14	5.56	20.57	24.21	Yellow	5.84	320634
			7.14	5.56	20.57	24.21	Yellow	6.35	35149
6 (M3.5)	7.92	7.14	22.15	26.19	Yellow	5.84	35787		
	7.92	7.67	22.68	26.72	Yellow	5.84	324915		
8 (M4)	7.92	7.67	22.68	26.72	Yellow	5.84	324918		
	9.53	7.67	22.68	27.51	Yellow	5.84	36161		
10	12.70	8.74	23.75	30.18	Yellow	5.84	35273		
	13.49	11.89	26.77	33.58	Yellow	5.84	320569		
5/16 (M8)	13.49	11.89	26.77	33.58	Yellow	6.35	35111		
	15.06	13.49	28.32	35.92	Yellow	5.84	320577		
3/8	15.06	13.49	28.32	35.92	Yellow	6.35	35112		
	19.05	15.88	30.89	40.49	Yellow	6.35	35151		

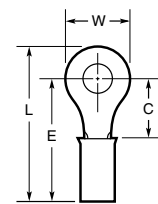
PIDG (Pre-Insulated Diamond Grip) (continued)

Ring Tongue Terminals - Vinyl



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension C	E	L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
16 - 14HD (1.04 - 2.62)	1.27	10	8.71	7.14	24.41	28.83	Yellow/Black	7.62	35363
12 - 10 (2.62 - 6.64)	1.07	8 (M4)	9.53	7.67	24.94	29.77	Yellow	7.62	35605
		10	9.53	7.67	24.94	29.77	Yellow	7.62	35364
		1/4 (M6)	13.49	11.89	29.16	35.97	Yellow	7.62	35345
		5/16 (M8)	13.49	11.89	29.16	35.97	Yellow	7.62	35346

Ring Tongue Terminals - Insulation Restricting



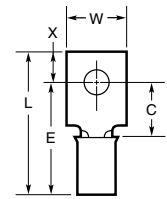
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension C	E	L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 (0.38)	0.84	4	5.54	3.96	15.80	18.64	Red/Green	0.97 - 2.79	52273
		6 (M3.5)	5.54	3.96	15.80	18.64	Red/Green	0.97 - 2.79	2-36149-3
			6.35	6.35	18.19	21.44	Red/Green	0.97 - 2.79	51863-2
		8 (M4)	7.92	7.14	18.97	23.01	Red/Green	0.97 - 2.79	1-320551-2
20 (0.60)	0.84	10	7.92	7.14	18.97	23.01	Red/Green	0.97 - 2.79	2-36153-3
		4	5.54	3.96	15.80	18.64	Red/Red	1.17 - 2.79	52273-1
		6 (M3.5)	5.54	3.96	15.80	18.64	Red/Red	1.17 - 2.79	2-36149-4
		8 (M4)	7.92	7.14	18.97	23.01	Red/Red	1.17 - 2.79	1-320551-3
18 (1.42)	0.84	10	7.92	7.14	18.97	23.01	Red/Red	1.17 - 2.79	2-36153-4
		4	5.54	3.96	15.80	18.64	Red/White	1.42 - 2.79	52273-2
		6 (M3.5)	5.54	3.96	15.80	18.64	Red/White	1.42 - 2.79	2-36149-5
			6.35	6.35	18.19	21.44	Red/White	1.42 - 2.79	51863-4
16 (1.42)	0.84	10	7.92	7.14	18.97	23.01	Red/White	1.42 - 2.79	2-36153-5
		6 (M3.5)	6.35	4.34	16.18	19.43	Blue/Blue	1.60 - 3.30	2-320561-3
		8 (M4)	7.92	7.14	18.97	23.01	Blue/Blue	1.60 - 3.30	1-51864-0
		10	7.92	7.14	18.97	23.01	Blue/Blue	1.60 - 3.30	51864-7
14 (2.15)	0.84	6 (M3.5)	7.92	7.14	18.97	23.01	Blue/Green	1.98 - 3.30	51864-8
		8 (M4)	7.92	7.14	18.97	23.01	Blue/Green	1.98 - 3.30	1-51864-1
		10	7.92	7.14	18.97	23.01	Blue/Green	1.98 - 3.30	51864-9
12 (3.37)	1.07	8 (M4)	9.53	7.67	24.33	29.16	Yellow/Yellow	2.41 - 5.08	2-320568-2
		10	9.53	7.67	24.33	29.16	Yellow/Yellow	2.41 - 5.08	2-36161-3
10 (6.11)	1.07	8 (M8)	9.53	7.67	24.33	29.16	Yellow/Brown	3.02 - 5.08	2-320568-3

Find application tooling at
www.tooling.tycoelectronics.com

See page 138 for details

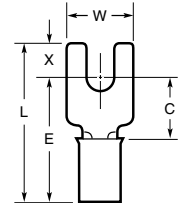
PIDG (Pre-Insulated Diamond Grip) (continued)

Rectangular Tongue Terminals



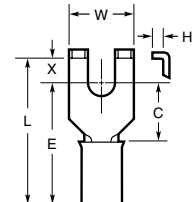
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension E	L	X	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
16 - 14 (0.26 - 1.65)	0.84	6 (M3.5)	6.20	7.92	18.19	21.74	3.18	Blue	4.32	33173

Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension E	L	X	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
26 - 22 (0.10 - 0.41)	0.51	4	5.16	5.36	13.77	15.93	1.93	Yellow	2.08	321035
22 - 16 (0.26 - 1.65)	0.84	4	5.54	3.96	14.22	17.12	2.77	Red	3.56	327717
		6 (M3.5)	7.54	5.16	15.42	19.13	3.58	Red	3.18	34080
		8 (M4)	9.53	7.92	18.19	23.06	4.75	Red	3.18	32050
		10	9.53	7.92	18.19	23.06	4.75	Red	3.18	32051
12 - 10 (2.62 - 6.64)	1.07	8 (M4)	10.31	7.52	22.53	27.81	5.16	Yellow	6.35	35152

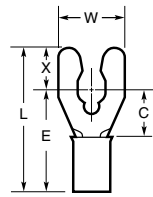
Flanged Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension E	L	X	H	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
26 - 22 (0.10 - 0.41)	0.51	2 (M2)	4.62	5.16	13.56	16.48	2.79	0.66	Yellow	2.08	324597
		4	4.90	5.16	13.56	16.48	2.79	0.66	Yellow	2.08	52369
22 - 16 (0.26 - 1.65)	0.84	2 (M2)	4.62	5.16	15.42	18.47	2.92	1.04	Red	3.56	324608
		8 (M4)	10.57	6.35	16.61	21.08	4.34	1.57	Red	3.56	32498
16 - 14 (1.04 - 2.62)	0.84	8 (M4)	10.57	6.35	16.61	21.08	4.34	1.57	Blue	3.81	33155
		10	7.47	5.16	15.42	18.72	3.18	1.19	Blue	4.32	320863
12 - 10 (2.62 - 6.64)	1.07	8 (M4)	10.57	6.35	21.36	25.83	4.34	1.32	Yellow	5.84	32510
		10	10.57	6.35	21.36	25.83	4.34	1.32	Yellow	6.35	324015

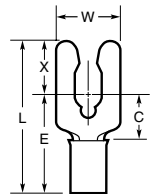
PIDG (Pre-Insulated Diamond Grip) (continued)

Short Spring Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension			Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
					E	L	X			
26 - 22 (0.10 - 0.41)	0.51	4	5.16	5.56	13.97	17.65	3.56	Yellow	2.08	52922
22 - 16 (0.26 - 1.65)	0.84	4	5.16	6.35	16.61	20.29	3.56	Red	3.18	52927
		5 (M3)	6.35	6.35	16.61	20.29	3.56	Red	3.18	52928
		6 (M3.5)	6.35	6.35	16.61	20.29	3.56	Red	3.18	52929
		8 (M4)	9.53	7.14	17.40	21.84	4.32	Red	3.18	52930
		10	10.31	7.14	17.40	23.06	5.54	Red	3.18	52931
16 - 14 (1.04 - 2.62)	0.84	5 (M3)	6.35	6.35	16.61	20.29	3.56	Blue	4.32	52934
		6 (M3.5)	6.35	6.35	16.61	20.29	3.56	Blue	4.32	52935
			6.35	6.35	16.61	20.29	3.56	Blue	4.62	52935-2
		10	10.31	7.14	17.40	23.06	5.54	Blue	4.32	52937
			10.31	7.14	17.40	23.06	5.54	Blue	4.62	52937-2
12 - 10 (2.62 - 6.64)	1.07	8 (M4)	9.53	7.01	22.28	26.72	4.32	Yellow	6.35	52942
		1/4 (M6)	15.88	8.59	23.85	31.12	7.14	Yellow	6.35	52945

Long Spring Spade Tongue Terminals

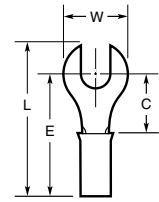


Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension			Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
					E	L	X			
26 - 16 (0.26 - 1.65)	0.84	6 (M3.5)	6.35	6.05	16.56	23.70	7.01	Red	3.18	52409
16 - 14 (1.04 - 2.62)	0.84	6 (M3.5)	6.35	6.05	16.56	23.70	7.01	Blue	3.81	52420
			6.35	6.05	16.56	23.70	7.01	Blue	4.32	52420-1
		8 (M4)	7.14	6.86	17.37	24.87	7.37	Blue	3.81	52421
		10	8.71	7.19	17.70	25.53	7.70	Blue	4.32	52422-1

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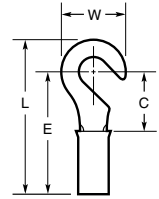
PIDG (Pre-Insulated Diamond Grip) (continued)

Slotted Ring Tongue Terminals



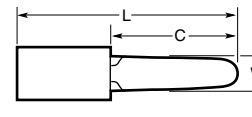
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension C	E	L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	0.84	8 (M4)	7.14	6.35	16.61	19.56	Red	3.56	36954

Hook Tongue Terminals



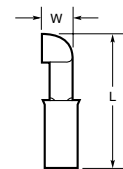
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension C	E	L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
16 - 14 (1.04 - 2.62)	0.84	8 (M4)	8.71	7.14	17.40	21.82	Blue	4.32	320306

Tabs



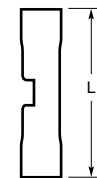
Wire Size (mm ²)	Tongue Material Thickness Max.	W	Dimension C	L	D	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	0.84	3.56	12.19	22.96	-	Red	3.56	34294

Knife Disconnect Splices

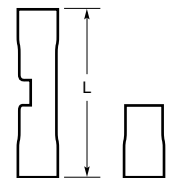


Wire Size (mm ²)	Material Thickness	Dimension C	L	Splice Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	0.79	5.16	22.30	Red	3.18	320555
		5.16	22.30	Red	3.56	32446
16 - 14 (1.04 - 2.62)	0.79	5.16	22.30	Blue	3.81	320566
		5.16	22.30	Blue	4.32	32448
12 - 10 (2.62 - 6.64)	1.02	7.14	31.34	Yellow	5.84	320620
		7.14	32.00	Yellow	6.35	35762

Butt Splices



Standard and Radiation Resistant



Step Down Assembly¹

Wire Size (mm ²)	Style	Dimension L	Splice Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
26 - 22 (0.10 - 0.41)	Standard	22.61	Yellow	2.08	2-323994-2
12 - 10 (2.62 - 6.64)	Standard	42.06	Yellow	5.59	320570

FASTON Terminals

- Straight, right angle and receptacle-tab combinations available
- Receptacles available for 6.3, 4.8 and 2.8mm tab size
- Receptacles mate with 0.8 and 0.5mm thick tabs
- Low insertion force receptacles available

Specification:

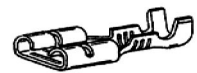
- Housing** - Polyamide, polycarbonate, polyethylene, UL94V-0, UL94V-2
- Contacts** - Brass, phosphor bronze, steel
- Current Rating** - 20A max with 2.5mm² wire size.
For steel-nickel plated version use 16A max with 2.5mm² wire size



Size 6.3mm (.250 Series) - Straight Receptacles



A - Standard Series

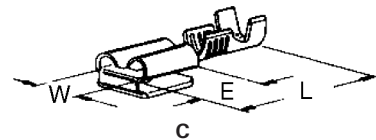


B - Low Insertion Force

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
A	0.5 - 1.5	2.3 - 3.3	0.8	Brass	7.6	19.1	7.7	5-160432-3
				Brass - tin plated				5-160432-4
				Phosphor bronze - tin plated				6-160432-0
				Steel - nickel plated				6-160432-3
				Nickel silver				160807-2
	1.0 - 2.5	3.0 - 4.3	0.8	Brass	7.6	19.1	7.7	2-160256-1
				Brass - tin plated				280001-9
				Brass - tin plated				2-160256-2
				Brass - silver plated				4-160256-7
				Phosphor bronze - tin plated				3-160256-1
B	0.5 - 1.5	2.3 - 3.3	0.8	Brass - tin plated	7.6	19.1	7.7	100495-2
				Brass - tin plated				100570-2

Related to DIN 46247

Size 6.3mm (.250 Series) - Receptacle and Tab Combinations

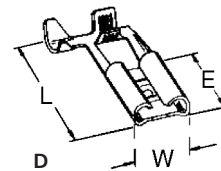


C

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
C	0.8 - 2.5	3.0 - 4.3	0.8	Brass - tin plated	7.6	20.1	7.7	160739-2

Related to DIN 46345

Size 6.3mm (.250 Series) - Flag Receptacles



D

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
D	0.5 - 1.5	2.3 - 3.3	0.8	Brass - tin plated	7.6	15.5	7.6	280050-2
				Phosphor bronze - tin plated				280050-7
				Brass				180464-1
	1.0 - 2.5	2.4 - 3.8	0.8	Brass - tin plated	7.6	15.5	7.6	180464-2
				Phosphor bronze				2-180464-4
				Phosphor bronze - tin plated				180464-5

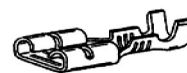
Related to DIN 46346 form A (D Style)

FASTON Terminals (continued)

Size 4.8mm (.187 Series) - Straight Receptacles



A - Standard Series

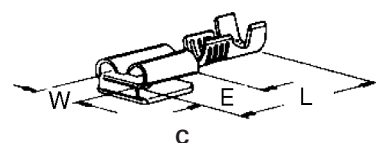


B - Low Insertion Force

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
A	0.5 - 1.5	2.3 - 3.3	0.8	Brass	5.6	15.0	6.3	6-160430-6
				Brass - tin plated				5-160430-7
				Phosphor bronze - tin plated				5-160430-6
				Steel - nickel plated				5-160430-4
	1.0 - 2.5	3.0 - 4.3	0.8	Brass	5.6	15.0	6.3	5-160429-1
B	0.5 - 1.5	2.3 - 3.3	0.8	Brass - tin plated	5.6	15.0	6.3	5-160429-2
				Brass - tin plated				5-160433-6
	1.0 - 2.5	3.0 - 4.3	0.5	Brass - tin plated	5.6	15.0	6.3	5-160431-2
	0.5 - 1.5	2.3 - 3.3	0.5	Brass - tin plated	5.6	15.0	6.3	100494-2

Related to DIN 46247

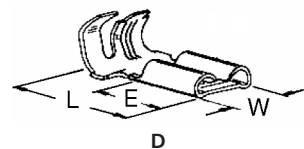
Size 4.8mm (.187 Series) - Receptacle and Tab Combinations



C

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
C	0.5 - 1.5	2.3 - 3.3	0.5	Brass	5.7	15.6	5.7	62026-1
				Brass - tin plated				62026-2

Size 4.8mm (.187 Series) - Flag Receptacles



D

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
D	0.5 - 1.5	2.8 - 4.3	0.8	Brass	5.6	13.5	6.3	150699-1
				Brass - tin plated				150699-2

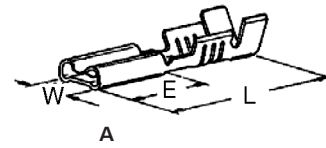
Find application tooling at
www.tooling.tycoelectronics.com

See page 138 for details



FASTON Terminals (continued)

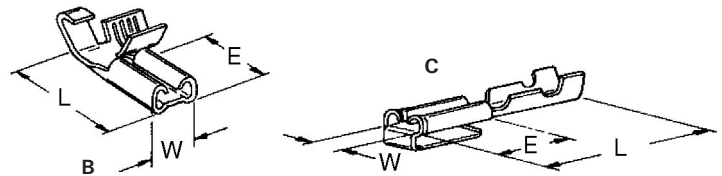
Size 2.8mm (.110 Series) - Straight Receptacles



Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	Dimension			Part Number
					W	L	E	
A	0.05 - 0.15	0.8 - 1.3	0.5	Brass - tin plated	3.7	14.0	6.3	160597-4
	0.15 - 0.35	0.9 - 1.6	0.5	Brass - tin plated	3.7	11.7	4.0	160666-5
	0.20 - 0.35	1.0 - 1.5	0.8	Brass - tin plated	3.7	14.0	6.3	160772-3
	0.20 - 0.35	1.0 - 1.5	0.5	Brass - tin plated	3.7	16.1	6.3	140716-2
	0.20 - 0.56	2.0 - 3.0	0.5	Brass - tin plated	3.7	15.4	6.3	150500-2
	0.20 - 0.56	2.0 - 3.0	0.8	Brass - tin plated	3.7	15.4	6.3	150545-2
	0.3 - 0.5	1.3 - 2.0	0.5	Brass - tin plated	3.7	14.0	6.3	5-160316-2
	0.3 - 0.5	1.3 - 2.0	0.5	Brass - tin plated	3.7	14.0	6.3	5-160303-2
	0.3 - 0.8	1.5 - 2.5	0.5	Brass	3.7	16.1	6.3	140717-1
				Brass - tin plated	3.7	16.1	6.3	140717-2
	0.5 - 1.0	2.0 - 3.0	0.5	Brass - tin plated	3.7	14.0	6.3	160484-4
				0.8	Brass - tin plated	3.7	14.0	6.3

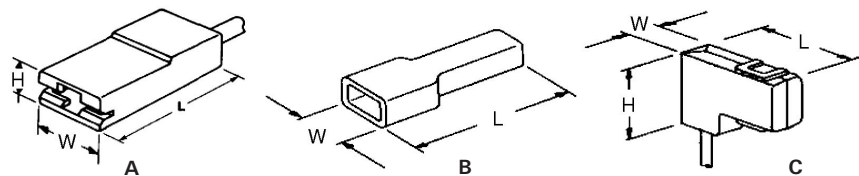
Related to DIN 46247

Size 2.8mm (.110 Series) - Flag Receptacle & Receptacle and Tab Combinations



Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension		Part Number
						L	E	
B	0.3 - 0.8	1.7 - 2.6	0.8	Brass - tin plated	3.8	11.7	4.6	141352-4
C	0.3 - 0.8	1.5 - 2.5	0.5	Brass	3.8	16.0	6.3	62026-2

Housings & Insulation Sleeves for FASTON Receptacles



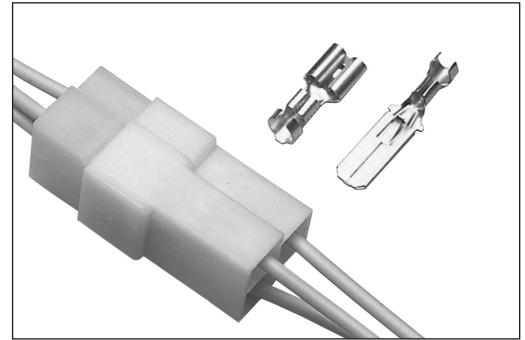
Style	Series	Insulation Diameter (mm)	Material	UL 94	Colour	Note	Dimension			Part Number
							W	L	H	
A	2.8	3.1	Polyamide	-	Natural	-	5.0	18.0	5.0	926410-1
		3.2	Polyamide	-	Natural	-	5.0	20.0	5.0	925387-1
			Polycarbonate	V0	Natural	-	5.0	20.0	5.0	925387-2
	4.8	Polyamide	V2	Natural	-	5.8	20.0	5.7	1-480417-0	
			V2	Natural	-	7.8	19.7	5.5	1-480435-0	
		Polyamide	V2	Natural	-	9.0	25.3	4.8	280232	
			V2	Natural	-	9.2	24.4	6.0	926539-1	
			V2	Red	-	9.2	24.4	6.0	926539-2	
			V2	Black	-	9.2	24.4	6.0	926539-3	
			V2	Natural	170° Max Temp.	9.2	24.4	6.0	1-926539-7	
PBT	V0	Black	140° Max Temp.	9.2	24.4	6.0	926539-5			
B	6.3	2.5	Polyethylene	-	Natural	-	9.0	22.5	5.0	2-180930-0
		3.0	Polyethylene	-	Natural	-	9.0	21.6	5.0	1-925017-0
C	4.8	4.5	Polyamide	V2	Natural	for Tab-Lok Flag FASTON	5.8	10.9	8.1	1-480487-2
	6.3	3.3	Polyamide	V2	Black	-	5.6	18.5	14.2	180984-5

FASTIN-FASTON Connection System

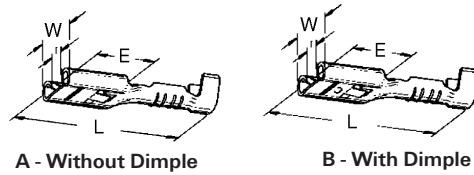
- Used for single and multiple connections
- Receptacles and tabs available from 2.8 to 6.3mm size
- Receptacles mate with 0.5 and 0.8mm thick tabs

Specification:

- Housing** - Polyamide UL94V-2
Contacts - Brass, phosphor bronze
Current Rating - 20A max with 2.5mm² wire size



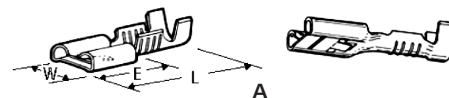
Size 6.3mm (.250 Series) - Straight Receptacles with Locking Lance for Single & Multiple Connections



Style	Tab Thk (mm)	Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	Dimension			Part Number
					W	L	E	
A	0.8	0.5 - 1.0	1.4 - 2.3	Brass - tin plated	7.4	19.2	7.8	160928-2
				Phosphor bronze - tin plated				160928-4
		0.5 - 1.5	2.3 - 3.3	Brass - tin plated				5-160526-7
				Brass - silver plated				6-160526-1
		0.8 - 2.5	3.1 - 4.1	Phosphor bronze - tin plated				5-160526-9
				Brass				42100-1
		3.4 - 5.1	Brass - tin plated	42100-2				
			Brass - tin plated	6-160448-5				
			Brass - silver plated	6-160448-6				
			Phosphor bronze - tin plated	6-160448-2				
			Phosphor bronze - silver plated	6-160448-3				
			Brass - tin plated	160927-2				
		2.1 - 3.1	Phosphor bronze	160927-3				
			Phosphor bronze - tin plated	160927-4				
			Brass - tin plated	180351-2				
		4.0 - 6.0	3.4 - 5.1	Phosphor bronze				180351-3
				Phosphor bronze - tin plated				180351-5
				Brass - tin plated				160860-2
B	0.8	0.5 - 1.0	1.4 - 2.3	Phosphor bronze	7.4	19.2	7.8	160860-3
				Phosphor bronze - tin plated				160860-4
		1.0 - 1.5	2.3 - 3.3	Brass				5-160558-1
				Brass - tin plated				5-160558-2
		0.8 - 2.5	3.1 - 4.1	Phosphor bronze - tin plated				5-160558-9
				Phosphor bronze - silver plated				6-160558-0
		3.1 - 4.1	Brass	42281-1				
			Brass - tin plated	42281-2				
			Brass - tin plated	5-160446-5				
			Brass - silver plated	5-160446-6				
			Phosphor bronze - tin plated	5-160446-2				
			Phosphor bronze	160917-3				
		2.1 - 3.1	Phosphor bronze - tin plated	160917-4				
			Phosphor bronze - tin plated	160913-4				

Related to DIN 46340
 Type B suggested for connection with less than 4 contacts

Size 2.8mm (.110 Series) - Straight Receptacles with Locking Lance for Single & Multiple Connections

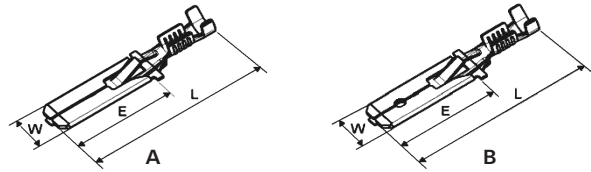


Style	Tab Thk (mm)	Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	Dimension			Part Number
					W	L	E	
A	0.5	0.3 - 0.6	1.3 - 2.0	Brass - tin plated	3.7	14.0	6.3	160366-2
		0.5 - 1.0	2.0 - 3.1	Brass - tin plated				160684-4
	0.8	0.3 - 0.6	1.3 - 2.0	Brass - tin plated				160173-2
		0.5 - 1.0	1.4 - 2.3	Brass - tin plated				160864-2
	0.5 - 1.5	2.0 - 3.1	Brass - tin plated	160655-2				
			Phosphor bronze	160655-3				
Phosphor bronze - tin plated	160655-4							

Related to DIN 46340

FASTIN-FASTON Connection System(continued)

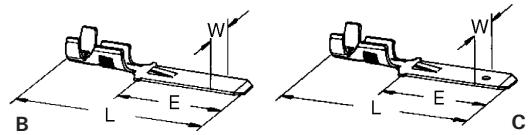
Size 6.3mm (.250 Series) - Tabs with Locking Lance for Single & Multiple Connections



Style	Tab Thk (mm)	Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	W	Dimension L	E	Part Number
A	0.8	0.8 - 2.5	3.0 - 4.0	Brass	6.3	28.0	15.8	42098-1
				Brass - tin plated				42098-2
				Phosphor bronze - tin plated				160450-2
				Phosphor bronze - silver plated				160450-3
B	0.8	0.3 - 1.0	2.3 max	Brass	6.3	27.0	15.8	293041-1
				Brass - tin plated				293041-2
		0.5 - 1.0	1.4 - 2.3	Phosphor bronze	6.3	28.0	15.8	160859-6
				Phosphor bronze - tin plated				160859-4
				Phosphor bronze - silver plated				160859-5
				Phosphor bronze				928962-3
1.0 - 2.5	2.2 - 3.0	Phosphor bronze - tin plated	6.3	28.0	15.8	928962-4		

Related to DIN 46343

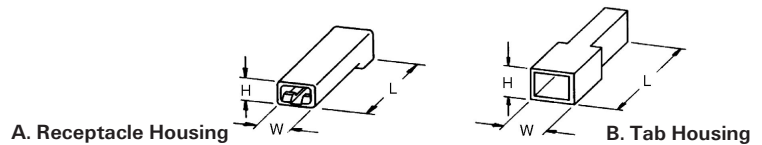
Size 2.8mm (.110 Series) - Tabs with Locking Lance for Single & Multiple Connections



Style	Tab Thk (mm)	Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	W	Dimension L	E	Part Number
B	0.8	0.5 - 1.0	1.4 - 2.3	Brass - tin plated	2.8	22.0	12.7	160887-4
		0.5 - 1.5	2.3 - 3.1	Brass - tin plated	3.7	14.0	6.3	160743-4
C	0.8	0.5 - 1.5	2.3 - 3.1	Phosphor bronze - tin plated	2.8	22.0	12.7	160762-2

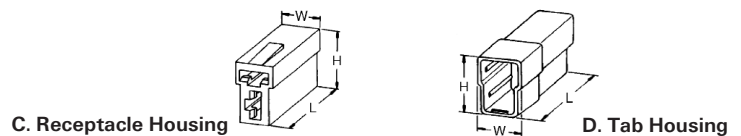
Related to DIN 46340

Size 6.3mm (.250 Series) - Receptacle and Tab Housings - Single Connection



Style	Material	UL 94	Colour	W	Dimension L	H	Part Number
A	Polyamide	V2	Natural	9.9	24.1	6.5	925324-2
B	Polyamide	V2	Natural	12.5	31.0	9.4	180916

Size 6.3mm (.250 Series) - Receptacle and Tab Housings - 2 positions



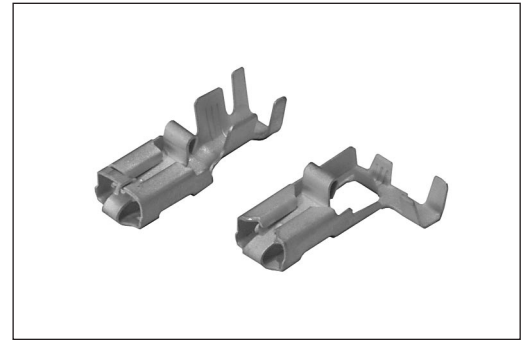
Style	Material	UL 94	Colour	W	Dimension L	H	Part Number
C	Polyamide	V2	Natural	10.2	22.9	16.6	180907
			Black				180907-5
D	Polyamide	V2	Natural	12.7	31.5	20.1	180908
			Black				180908-5

Positive Lock Connection System
Size 6.3mm (.250 Series)

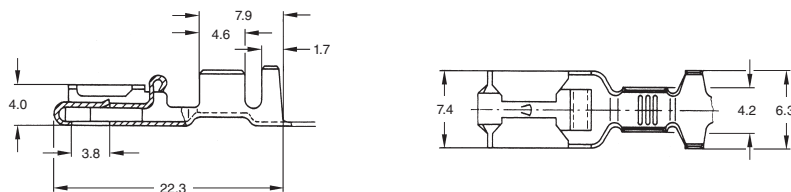
- Locks onto tabs containing holes
- Reduced insertion force
- Housing insulates and serves as removal tool
- "Snap" action tells assembler receptacles are mated properly
- Receptacles mate with 0.8mm thick tabs

Specification:

Housing - Polyamide UL94V-2
Contacts - Brass, phosphor bronze
Current Rating - 25A max with 4.0mm² wire size



180° Receptacle Contacts

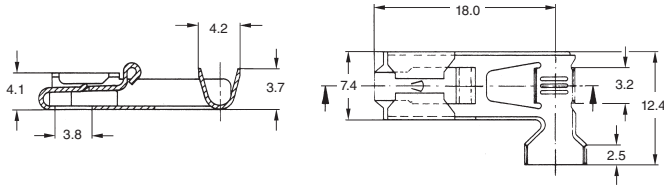


Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	Strip Form	Part Number	
					Loose Piece
0.5 - 1.0	1.4 - 2.3	CuZn, plain	927852-1		-
		CuSn, plain	927852-2		-
		CuZn, pre-tin plated	927852-6		-
		CuSn, pre-tin plated	927852-7		-
		CuSn, pre-tin plated	927852-8		-
0.5 - 1.5	2.3 - 3.3	CuZn, plain	160759-1		160773-1
		CuZn, tin plated	160759-3		160773-3
		CuSn, tin plated	160759-4		160773-4
		CuZn, tin plated	281827-2 ²		-
		CuZn, pre-tin plated	1-160759-1		-
		CuSn, pre-tin plated	1-160759-2		160773-7
0.7 - 2.0	2.3 - 3.3	CuZn, plain	154718-1		341002-1
		CuSn, tin plated	154718-4		-
		CuZn, pre-tin plated	154718-6		341002-6
		CuSn, pre-tin plated	154718-7		-
1.0 - 2.5	3.0 - 4.3	CuZn, tin plated	160831-3		-
		CuSn, tin plated	160831-4		-
1.0 - 2.5	2.1 - 3.1	CuSn, plain	927854-2		-
		CuZn, pre-tin plated	927854-6		-
		CuSn, pre-tin plated	927854-7		-
		CuSn, silver plated	927854-8		-
2.5 - 4.0	3.6 - 4.3	CuZn, plain	154717-1		-
		CuZn, tin plated	154717-3		-
		CuSn, tin plated	154717-4		-
		CuZn, pre-tin plated	154717-6		-
		CuSn, pre-tin plated	154717-7		-
		CuZn, tin plated	281828-2 ²		-
2.5 - 4.0	3.3 - 4.7	CuSn, plain	928958-2		-
		CuSn, silver plated	928958-8		-
4.0 - 6.0	3.4 - 5.1	CuZn, pre-tin plated	790319-3		-
		CuSn, plain	790319-4		-

² With ant-overstress

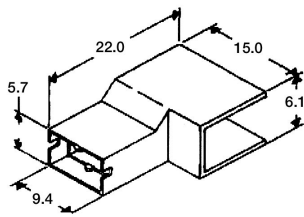
Positive Lock Connection System
Size 6.3mm (.250 Series) (continued)

90° Receptacle Contacts (Flag Type)



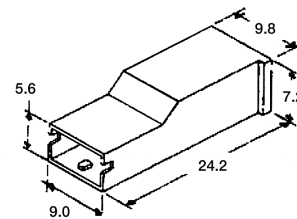
Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	Part Number Strip Form
0.5 - 1.5	2.2 - 3.1	CuSn, pre-tin plated	926820-1
		CuSn, plain	926820-2
		CuZn, pre-tin plated	926820-4
		CuZn, plain	926820-5
1.0 - 2.5	3.1 - 4.3	CuZn, pre-tin plated	926790-4

90° Receptacle Housing (Flag Type)



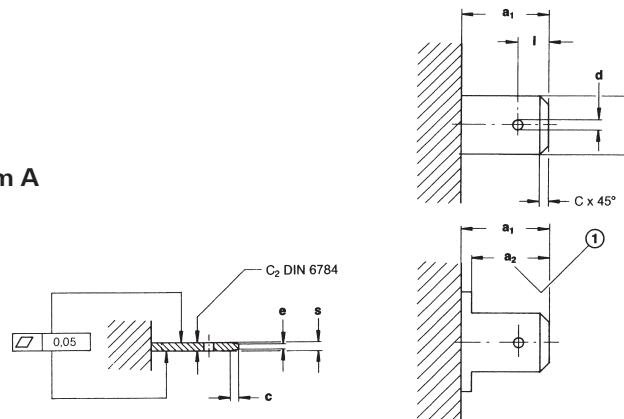
Material	UL94	Colour	Part Number
Polyamide	V2	Black	926291-1

180° Receptacle Housing



Material	UL94	Colour	Part Number
Polyamide	V2	Black	154719
Polyamide	V2	Natural	154719-1

180° Mating Tabs according DIN 46244, Form A



Nominal Size b - s	Dimensions (mm)								
	a1 min.	a2 min.	b ±0.1	c Tolerance	d +0.2 0.0	e Tolerance	l Tolerance	s Tolerance	
6.3 - 0.8	9.0	8.0	6.3	1.0 ± 0.3	1.65	0.4 ± 0.15 0.0	4.0 ± 0.5	0.8 ± 0.03	

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Part Number	Page Number	Part Number	Page Number	Part Number	Page Number	Part Number	Page Number	Part Number	Page Number
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100495-2	131	1-1103640-1	102	1-1705300-5	116	1241050-5	16	1-338311-2	73
100570-2	131	1-1103641-1	102	1-1705300-6	116	1241050-6	16	1-338312-2	73
106066-2	80	1-1104204-1	101	1-1705300-7	116	1241050-7	16	1-338313-2	73
1102194-1	97	1-1104205-1	101	1-1705300-8	116	1241050-8	16	1-338314-2	73
1102195-1	97	1-1105050-1	103	1-1705300-9	116	1241050-9	16	1-338315-2	73
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