24P MTA100 HDR ASSY F/L SQ STR ✔ ACTIVE

MTA | MTA 100

TE Part # 2-640456-4

TE Internal #: 2-640456-4

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles







PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **24**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	24
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Thickness	3.81 µm[150 µin]

Mating Post Length	7.49 mm[.295 in]
Contact Shape	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 µm[150 µin]
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Retention Type	Friction Lock
Mating Alignment	Without
Panel Mount Feature	Without
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Contact Retention	Without

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Natural
Housing Material	Polyester - GF

Dimensions

Connector Length	63.5 mm[2.5 in]
Connector Height	7.87 mm[.31 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Agency/Standard	CSA, UL
CSA File Number	LR7189
UL Rating	Recognized
UL File Number	E28476

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Product Compliance

For compliance documentation, visit the product page on TE.com>

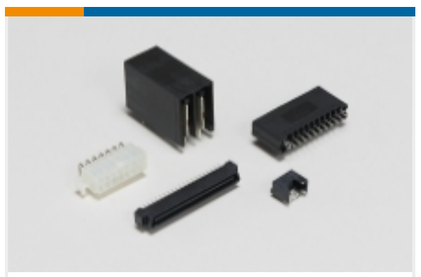
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked.Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the

product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

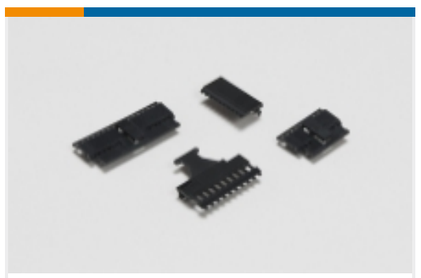


Standard Rectangular Connectors(21)



Wire-to-Board Connector Housings(1)

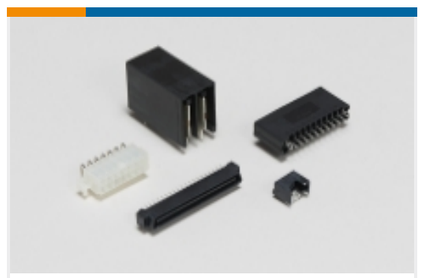
Also in the Series | MTA 100



PCB Connector Covers (107)



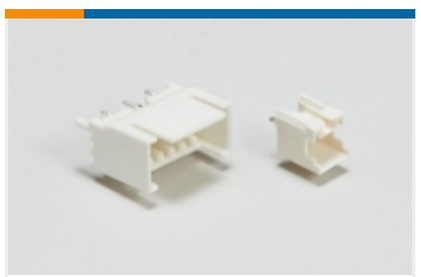
PCB Connector Keying(1)



Standard Rectangular Connectors(1730)



Wire-to-Board Connector Contacts(18)



Wire-to-Board Headers & Receptacles(1216)

Customers Also Bought



TE Part #1-640456-8
18P MTA100 HDR ASSY F /L SQ STR



TE Part #2-640456-0
20P MTA100 HDR ASSY F /L SQ STR



TE Part #640388-9
09P MTA156 HDR ASSY RN STR F/L



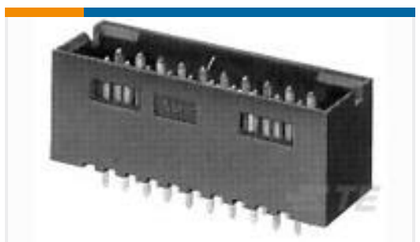
TE Part #1-5102154-1
A/L UNIV HDR 60P VERT

24P MTA100 HDR ASSY F/L SQ STR

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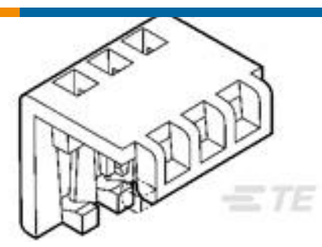
TE Part #1-640454-4
14P MTA100 HDR ASSY SQ STR POL



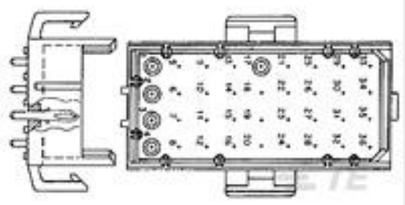
TE Part #5-103169-3
10 MODII HDR DRST SHRD .100CL



TE Part #5-146252-4
08 MODII HDR DRST B/A .100 LF



TE Part #2-643075-4
24P MTA100 MOLDED COVER



TE Part #2-640505-2
24P MR HDR ASSY VO RED LF



TE Part #1-644753-2
12P MTA156 HDR ASSY RN STR F/L

Documents

Product Drawings

24P MTA100 HDR ASSY F/L SQ STR

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-640456-4_AA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-640456-4_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-640456-4_AA.3d_stp.zip

English

Datasheets & Catalog Pages

MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors

English

Product Specifications

Product Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English