

MTA 100

TE Internal #: 640456-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder,

MTA 100

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Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment











PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical
Connector System: Wire-to-Board

Number of Positions: 3

Number of Rows: 1

All PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment (134)

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC	



Body Features

Deay Features	
Primary Product Color	Natural
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	3.81 μm[150 μin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 μm[150 μin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.49 mm[.295 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	5 A
Termination Features	
Termination Post & Tail Length	3.56 mm[.14 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Panel Mount Feature	Without
Mating Retention Type	Friction Lock
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	Polyester GF



Centerline (Pitch)	2.54 mm[.1 in]
Dimensions	
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	7.87 mm[.31 in]
Connector Length	10.16 mm[.4 in]
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Signal
Industry Standards	
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	
Compatible With Approved Standards Froducts	CSA LR7189, UL E28476
UL Flammability Rating	CSA LR7189, UL E28476 UL 94V-0
UL Flammability Rating	

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Hand solderable with tin/lead solder

Product Compliance Disclaimer

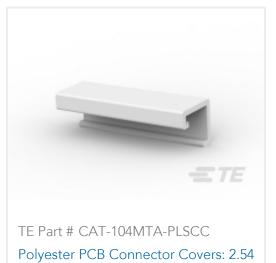
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts





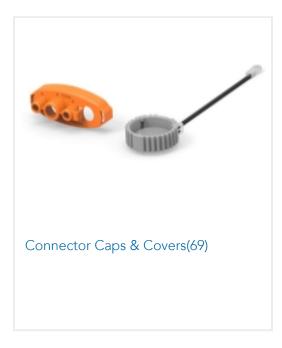
mm, MTA 100







Also in the Series | MTA 100





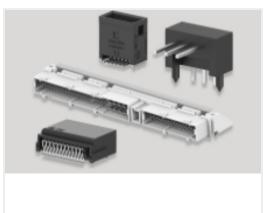
Connector Contacts(8)





Connector Hardware(1)

Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Rectangular Connector Housings(1)



Rectangular Power Connectors(1)



Wire-to-Board Headers & Receptacles (441)

Customers Also Bought

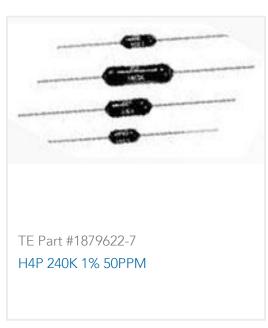














Documents

Product Drawings

03P MTA100 HDR ASSY F/L SQ STR

English

CAD Files

Customer View Model

ENG_CVM_CVM_640456-3_AA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_640456-3_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_640456-3_AA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Application Specification

English

Agency Approvals

UL

English

UL

English

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, MTA 100

