1-644487-4 V ACTIVE

MTA 100

TE Internal #: 1-644487-4

PCB Mount Header, Vertical, Wire-to-Board, 14 Position, 2.54 mm [. 1 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Solder,

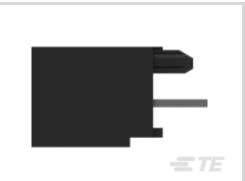
Signal, MTA 100

View on TE.com >



Connectors > PCB Connectors > PCB Headers & Receptacles > Polyester Vertical PCB Header: 2.54mm, Shrouded, MTA 100











PCB Connector Type: PCB Mount Header

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

Number of Positions: 14

Number of Rows: 1

All Polyester Vertical PCB Header: 2.54mm, Shrouded, MTA 100 (37)

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	14
Number of Rows	1

Electrical Characteristics

	0501/40	
Operating Voltage	250 VAC	



Body Features

Primary Product Color	Black
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	.76 μm[30 μin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	5.1 mm[.2 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Gold (Au)
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 Type	Pegs
PCB Mount Alignment Type	Peg
PCB Mount Retention	With
PCB Mount Alignment	With
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	10.41 mm[.41 in]
Connector Length	27.53 mm[1.084 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	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	500
UL Flammability Rating	

Product Compliance

Packaging Method

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	Not lead free process capable

Loose Piece

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-onreach

Compatible Parts

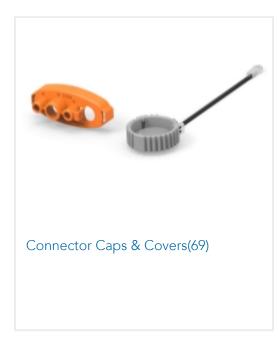








Also in the Series MTA 100

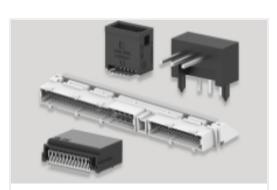




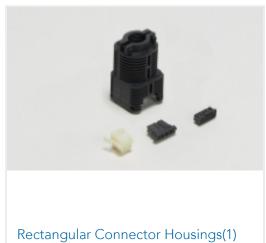








PCB Headers & Receptacles(441)





Rectangular Power Connectors(1)





Standard Rectangular Connectors (496)

Wire-to-Board Headers & Receptacles

Customers Also Bought

















Documents

Product Drawings

14P MTA100 SHRD HDR ASSY 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-644487-4_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-644487-4_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-644487-4_H.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English