

MTA 100

TE Internal #: 640456-5

PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2.54 mm [.1

in] Centerline, Partially Shrouded, Tin, Through Hole - Solder,

Signal, MTA 100

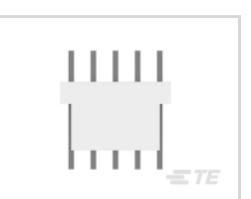
View on TE.com >



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











Connector System: Wire-to-Board

Number of Positions: 5
Number of Rows: 1

Centerline (Pitch): 2.54 mm [.1 in]
PCB Mount Orientation: Vertical

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

Features

Product Type Features

Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header
Configuration Features	
Number of Columns	5
Number of Positions	5
Number of Rows	1
PCB Mount Orientation	Vertical
Electrical Characteristics	

250 VAC

Operating Voltage



Body Features

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



Housing Material	PBT
Centerline (Pitch)	2.54 mm[.1 in]
Dimensions	
Connector Length	12.7 mm[.5 in]
Connector Height	5.72 mm[.225 in]
Connector Width	10.79 mm[.425 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	
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	2000

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Package

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

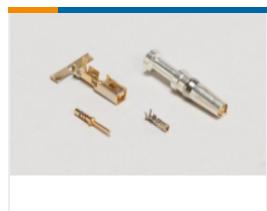






Also in the Series MTA 100









Connector Contacts(8)

Connector Hardware(1)

Insertion & Extraction Tools(2)







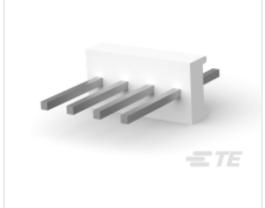
Standard Rectangular Connectors(495)



Wire-to-Board Connector Assemblies & Housings(1)

Customers Also Bought





TE Part #640456-8 PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



TE Part #1-2232826-4
SGI2.0 header assembly TH 4P,key A,
NTL



EP 2.5 HDR, GLOW WIRE, 3P





TE Part #1-2158001-8 RZ03-1A4-D024-00001

TE Part #1-538229-8
CONNECTING CABLE

Documents

Product Drawings

05P MTA100 HDR ASSY F/L SQ STR

English

CAD Files

Customer View Model

ENG_CVM_CVM_640456-5_AA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_640456-5_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_640456-5_AA.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English