

644487-3 ✓ ACTIVE



## MTA 100

TE Internal #: 644487-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, .1 in [2.54 mm] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Signal, Black, MTA 100

[View on TE.com >](#)

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



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

Number of Positions: **3**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

[All Polyester Vertical PCB Header: 2.54mm, Shrouded, MTA 100 \(57\)](#)

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

Operating Voltage	250 VAC
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### Body Features



Primary Product Color	Black
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### Contact Features

Contact Layout	Inline
Contact Mating Area Length	5.1 mm[.2 in]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	.76 $\mu$ m[30 $\mu$ in]
Contact Underplating Material Thickness	1.27 $\mu$ m[50 $\mu$ in]
Contact Mating Area Plating Material Thickness	.76 $\mu$ m[30 $\mu$ in]
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
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

PCB Mount Alignment Type	Peg
Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
PCB Mount Retention Type	Pegs
Mating Retention Type	Friction Lock
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

### Housing Features

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

Connector Length	12.29 mm[.484 in]
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Connector Height	10.41 mm[.41 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

CSA Rating	Certified
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Agency/Standard	CSA, UL
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Approved Standards	CSA LR7189, UL E28476
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	2000
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Packaging Type	Loose Piece
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not lead free process capable
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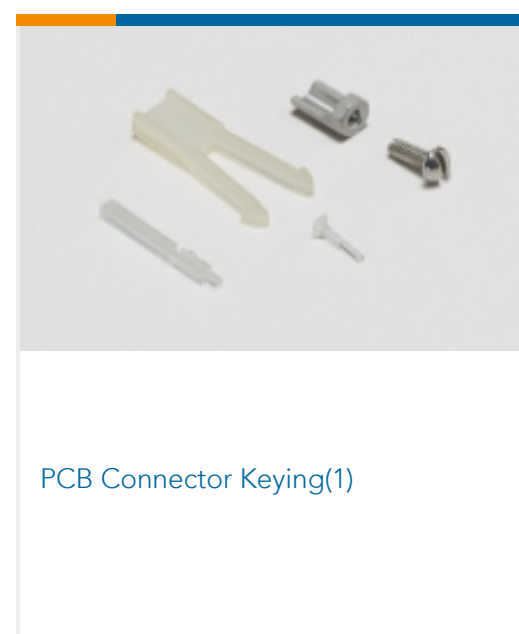
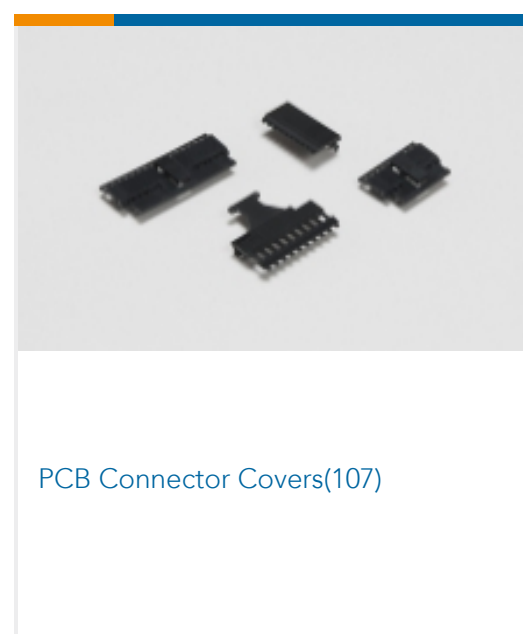
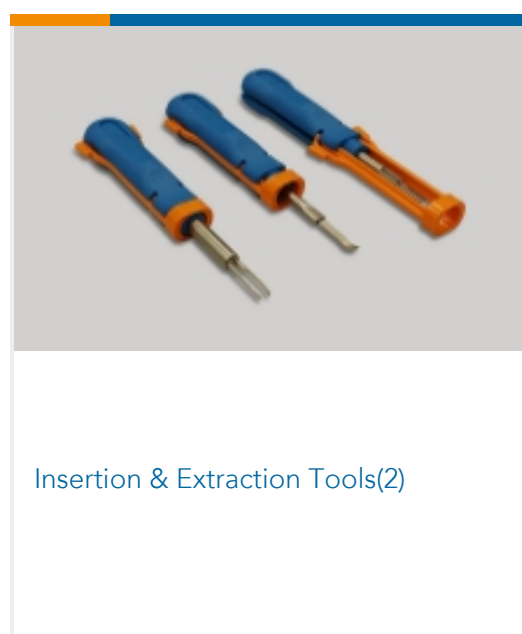
Product Compliance Disclaimer

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





Standard Rectangular Connectors  
(1718)



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

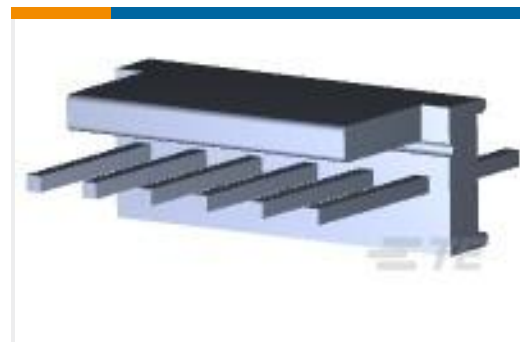


Wire-to-Board Connector Contacts(18)

## Customers Also Bought



TE Part #3-644044-3  
03P MTA100 CONN ASSY LF



TE Part #641213-6  
06P MTA100 HDR ASSY PO/ST 30AU



TE Part #644487-4  
04P MTA100 SHRD HDR ASSY 30AU



TE Part #745454-2  
09 RCPT ACT PIN/AP LOW SCRLK



TE Part #04-1270-0010  
CLWG-300-NC4



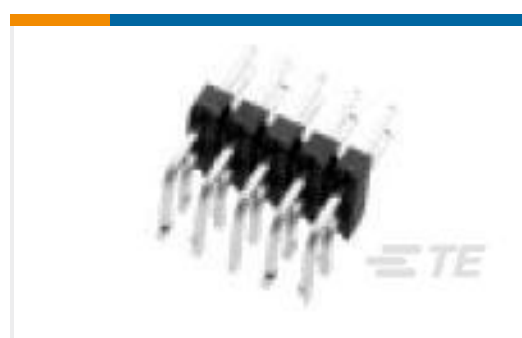
TE Part #1472972-1  
SSC32FAD = RLY,INTV,2P,48V,-1-



TE Part #2007832-2  
IMP100S,H,V4P16C,UG,OEW46,4,9



TE Part #5557571-1  
MJ,R/A,1X1,8P,SHD,3 GRD TABS



TE Part #104353-5  
10 MODII HDR DRRA B/A W/HLDWN

## Documents

### Product Drawings

[03P MTA100 SHRD HDR ASSY 30AU](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_644487-3\\_H.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_644487-3\\_H.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_644487-3\\_H.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

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

English

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### Agency Approvals

[CSA Certificate](#)

English