

640456-5 ✓ ACTIVE

MTA | MTA 100

TE Internal #: 640456-5

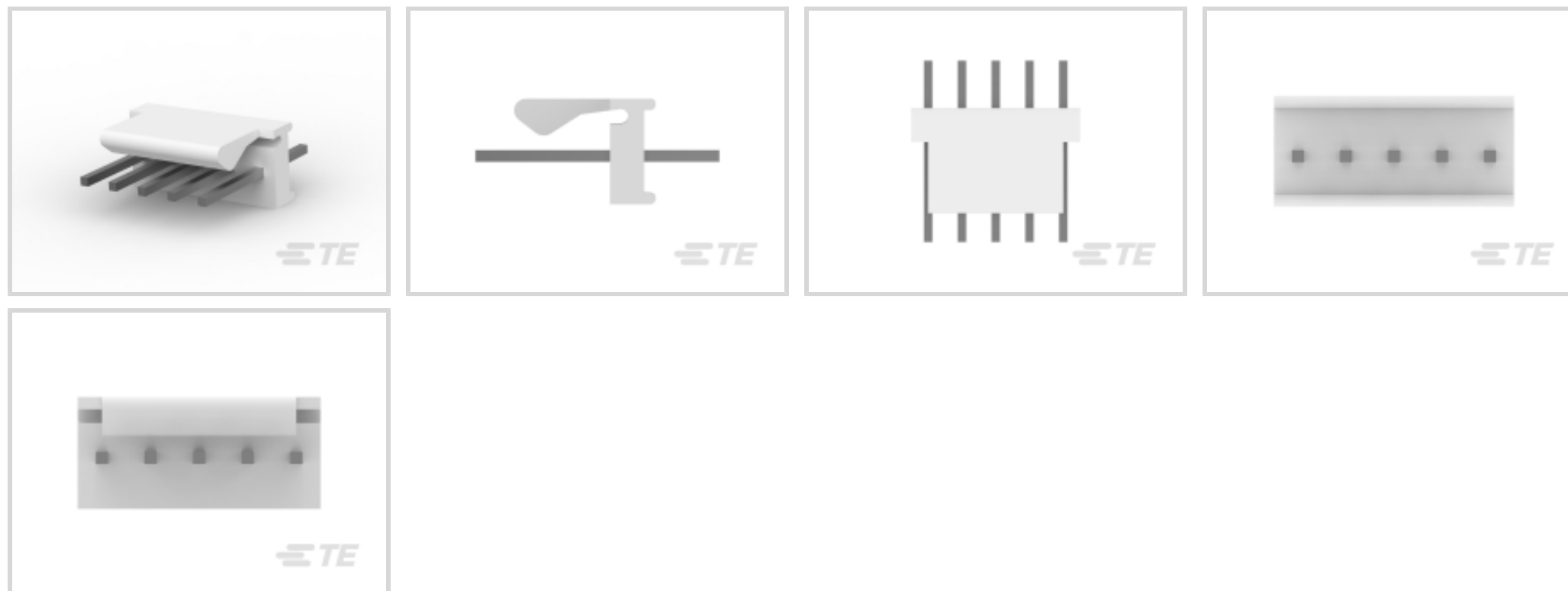
MTA 100, PCB Mount Header, Vertical, Wire-to-Board, 5 Position,  
2.54mm [.1in] Centerline, 1 Row, Tin, Natural Housing Color,  
Partially Shrouded

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[Connectors >](#) [PCB Connectors >](#) [Wire-to-Board Connectors >](#) [Wire-to-Board Headers & Receptacles >](#)

Polyester Vertical PCB Header: 2.54mm, Unshrouded, No Mating Alignment



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **5**

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

[All Polyester Vertical PCB Header: 2.54mm, Unshrouded, No Mating Alignment \(332\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Columns	5
PCB Mount Orientation	Vertical
Number of Positions	5
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VAC
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### Contact Features

Contact Layout	Inline
Contact Mating Area Length	7.49 mm[.295 in]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	3.81 $\mu$ m[150 $\mu$ in]
Contact Underplating Material Thickness	1.27 $\mu$ m[50 $\mu$ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	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 Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 $\mu$ m[150 $\mu$ in]
Contact Type	Post
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

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

### Housing Features

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

Connector Length	12.7 mm[.5 in]
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Connector Height	5.72 mm[.225 in]
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Connector Width	10.79 mm[.425 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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UL Flammability Rating	UL 94V-0
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Agency/Standard	CSA, UL
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CSA File Number	LR7189
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UL Rating	Recognized
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UL File Number	E28476
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### Packaging Features

Packaging Quantity	2000
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Packaging Method	Package
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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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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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 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



TE Part # CAT-104MTA-PLSCC  
Polyester PCB Connector Covers: 2.54 mm, MTA 100



TE Part # CAT-104CST-RCPHS  
Receptacle Housing: 2.54mm, 1 Row, CST-100 II




TE Part # CAT-104MTA-NYLCC  
Nylon PCB Connector Covers: 2.54 mm, MTA 100



TE Part # CAT-104MTA-NTPNR  
Nylon Tin Plated Receptacle: 2.54mm, No Mating Alignment, MTA 100

### Also in the Series | MTA 100



Insertion & Extraction Tools(2)




PCB Connector Covers(107)



PCB Connector Keying(1)



Standard Rectangular Connectors (1730)

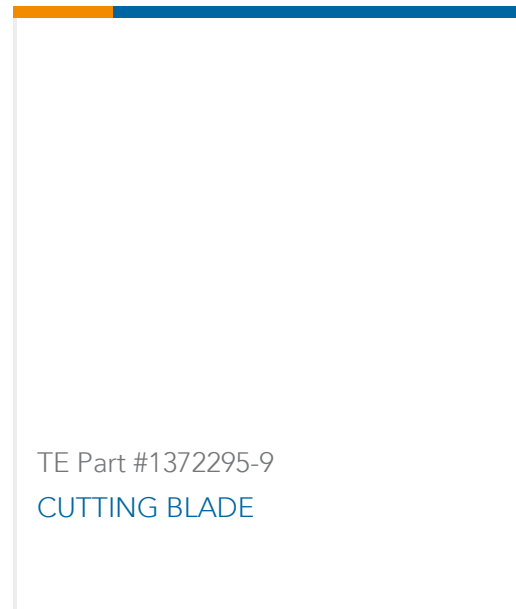
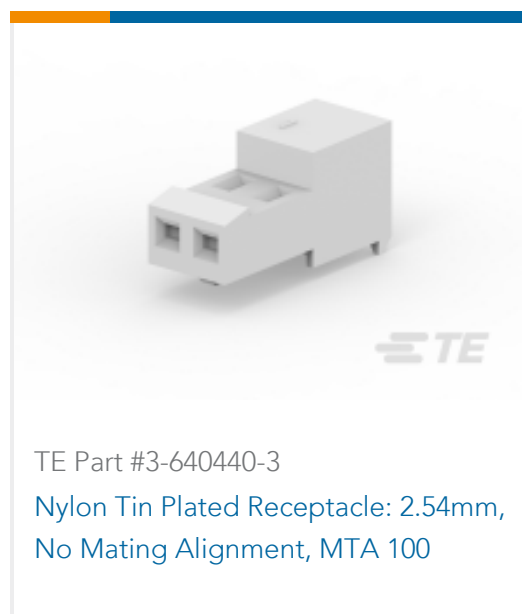


Wire-to-Board Connector Contacts(18)



Wire-to-Board Headers & Receptacles (1182)

### Customers Also Bought



## Documents

### Product Drawings

[05P MTA100 HDR ASSY F/L SQ STR](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_640456-5\\_AA.2d\\_dxf.zip](#)

English

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

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

### Datasheets & Catalog Pages

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

English

### Product Environmental Compliance

[MD\\_640456-5\\_11262018341\\_dmtec](#)

English

[MD\\_640456-5\\_11262018341\\_dmtec](#)

English

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MTA 100, PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2.54mm [.1in]  
Centerline, 1 Row, Tin, Natural Housing Color, Partially Shrouded



[Agency Approvals](#)

[CSA Certificate](#)

English