

1-644487-2 ✓ ACTIVE



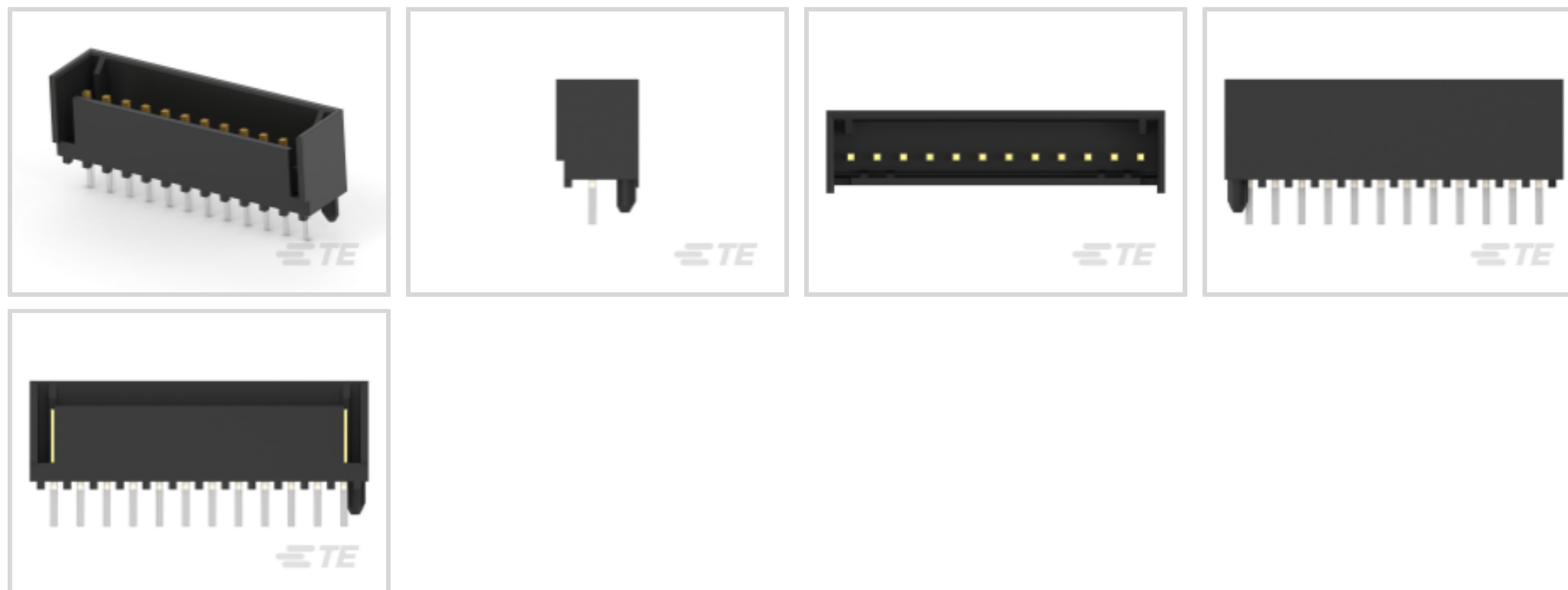
MTA 100

TE Internal #: 1-644487-2

PCB Mount Header, Vertical, Wire-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, 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



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

Number of Positions: **12**

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	12
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
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Contact Mating Area Length	5.1 mm[.2 in]
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Mating Square Post Dimension	.64 mm[.025 in]
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PCB Contact Termination Area Plating Material Thickness	.76 μm [30 μin]
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Contact Underplating Material Thickness	1.27 μm [50 μin]
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Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
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Contact Shape & Form	Square
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Contact Mating Area Plating Material Finish	Bright
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Gold
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Contact Base Material	Copper Alloy
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Contact Mating Area Plating Material	Gold
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Contact Type	Pin
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Contact Current Rating (Max)	5 A
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Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
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Termination Post & Tail Length	3.56 mm[.14 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

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

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

Connector Length	37.69 mm[1.484 in]
Connector Height	10.41 mm[.41 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

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

Packaging Features

Packaging Quantity	625
Packaging Type	Loose Piece

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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not lead free process capable

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>

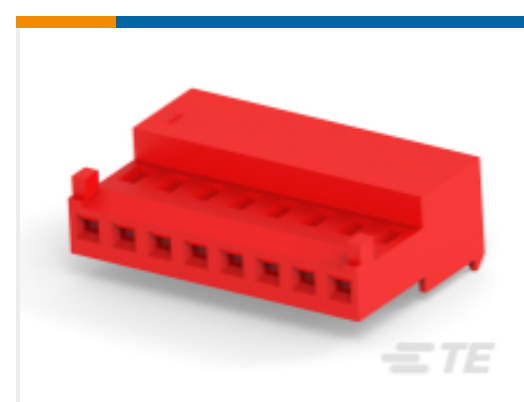
Compatible Parts



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



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



TE Part # CAT-104MTA-NGPMR
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

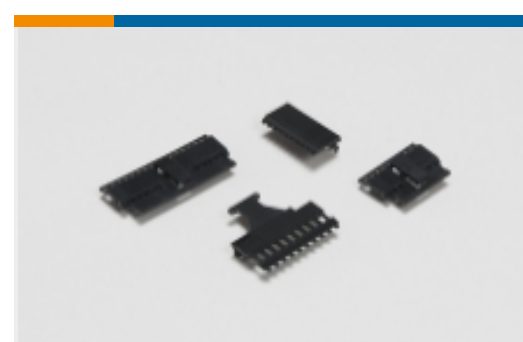


TE Part # CAT-104MTA-NGPNR
Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment

Also in the Series | MTA 100



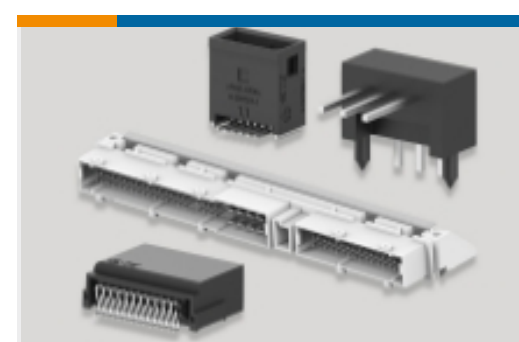
Insertion & Extraction Tools(2)



PCB Connector Covers(107)



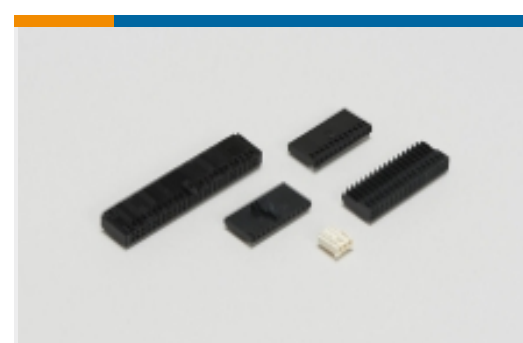
PCB Connector Keying(1)



PCB Headers & Receptacles(1181)



Standard Rectangular Connectors
(1718)



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



Wire-to-Board Connector Contacts(18)

Documents

Product Drawings

12P MTA100 SHRD HDR ASSY 30AU

English

CAD Files

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1-644487-2_H_c-1-644487-2-h.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-644487-2_H_c-1-644487-2-h.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-644487-2_H_c-1-644487-2-h.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

Agency Approvals

[CSA Certificate](#)

English