



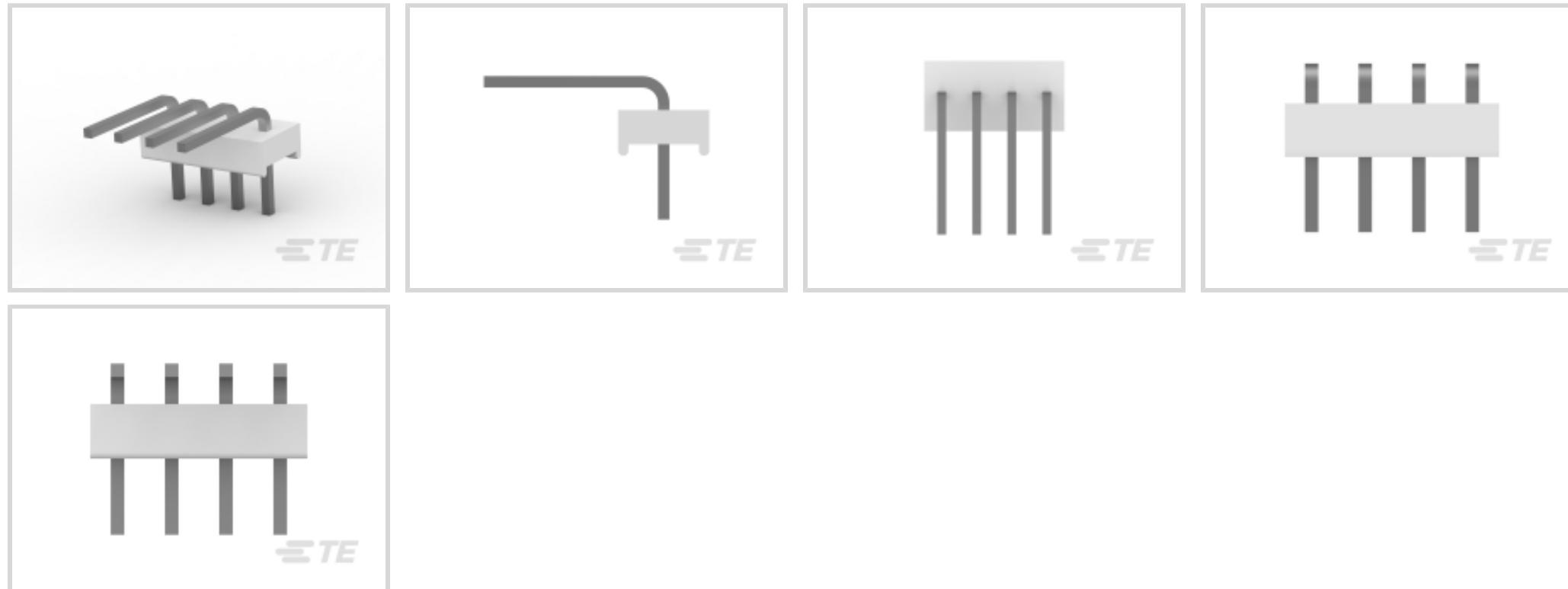
MTA 100

TE Internal #: 1-640453-4

PCB Mount Header, Right Angle, Wire-to-Board, 14 Position, 2.54 mm [.1 in] Centerline, Unshrouded, Tin, Through Hole - Solder, Signal, MTA 100

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Polyester, Right Angle, Unshrouded



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

Number of Positions: **14**

Number of Rows: **1**

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

PCB Mount Orientation: **Right Angle**

[All PCB Header: Polyester, Right Angle, Unshrouded \(80\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	14
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features



Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	7.49 mm[.295 in]
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Mating Square Post Dimension	.64 mm[.025 in]
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PCB Contact Termination Area Plating Material Thickness	3.81 μ m[150 μ in]
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Contact Layout	Inline
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Contact Underplating Material Thickness	1.27 μ m[50 μ in]
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Contact Mating Area Plating Material Thickness	3.81 μ m[150 μ in]
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Contact Shape & Form	Square
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Contact Mating Area Plating Material Finish	Matte
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Contact Mating Area Plating Material	Tin
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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 PCB	Through Hole - Solder
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Mechanical Attachment

Mating Retention	Without
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Panel Mount Feature	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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PCB Mount Alignment	Without
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PCB Mount Retention	Without
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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	38.1 mm[1.5 in]
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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 1
 Packaging Method Package

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 2024 (241)
 Candidate List Declared Against: JUNE 2024 (241)
 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


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 # 1-640550-4
14P MTA100 COVER



TE Part # CAT-104MTA-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



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

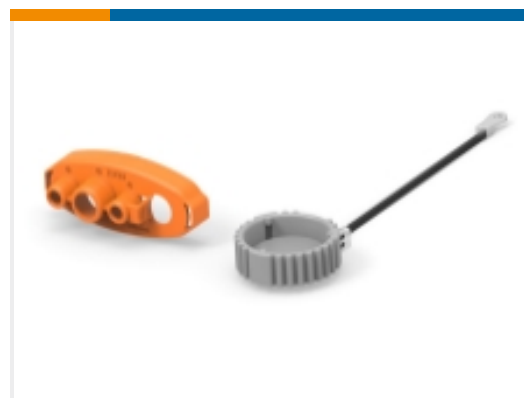


TE Part # 1-1375820-4
CST-100 II HOUSING 14 POS




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


Also in the Series | MTA 100




Connector Caps & Covers(69)



Connector Contacts(8)



Connector Hardware(1)




Insertion & Extraction Tools(2)



PCB Headers & Receptacles(440)



Standard Rectangular Connectors(495)

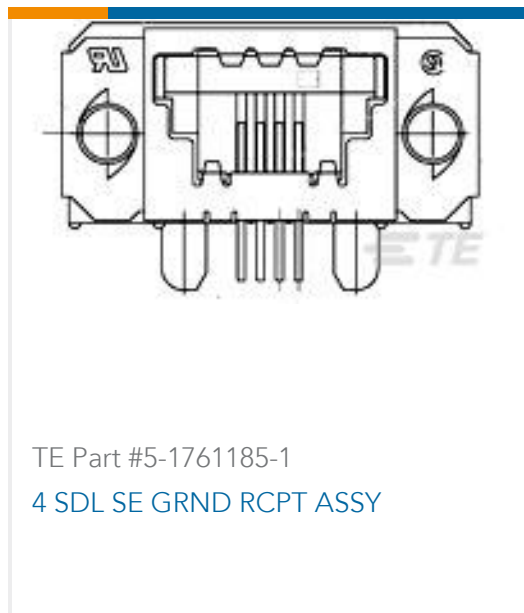


Wire-to-Board Connector Assemblies & Housings(1)

Customers Also Bought



TE Part #3-644456-6
06P MTA100 HDR ASSY (NARROW)



TE Part #5-1761185-1
4 SDL SE GRND RCPT ASSY



TE Part #63849-1
250 FASTON TAB TPBR



TE Part #4-2176342-1
CRGCQ 0805 4M7 5%



TE Part #1-2176345-8
CRGCQ 1210 270R 1%



TE Part #3-2176345-1
CRGCQ 1210 3K3 1%



TE Part #2-2176345-2
CRGCQ 1210 560R 1%



TE Part #1-2176346-4
CRGCQ 1210 150R 5%



TE Part #1-2176346-5
CRGCQ 1210 220R 5%



TE Part #1-172520-4
LOW PRO MINI AMP-IN HDR 14P

Documents

Product Drawings

[14P MTA100 HDR ASSY SQ R/A](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_1-640453-4_Y.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_1-640453-4_Y.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-640453-4_Y.3d_stp.zip](#)

English

[3D PDF](#)

3D



Customer View Model

[ENG_CVM_CVM_1-640453-4_AB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-640453-4_AB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-640453-4_AB.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English