



MTA | MTA 100

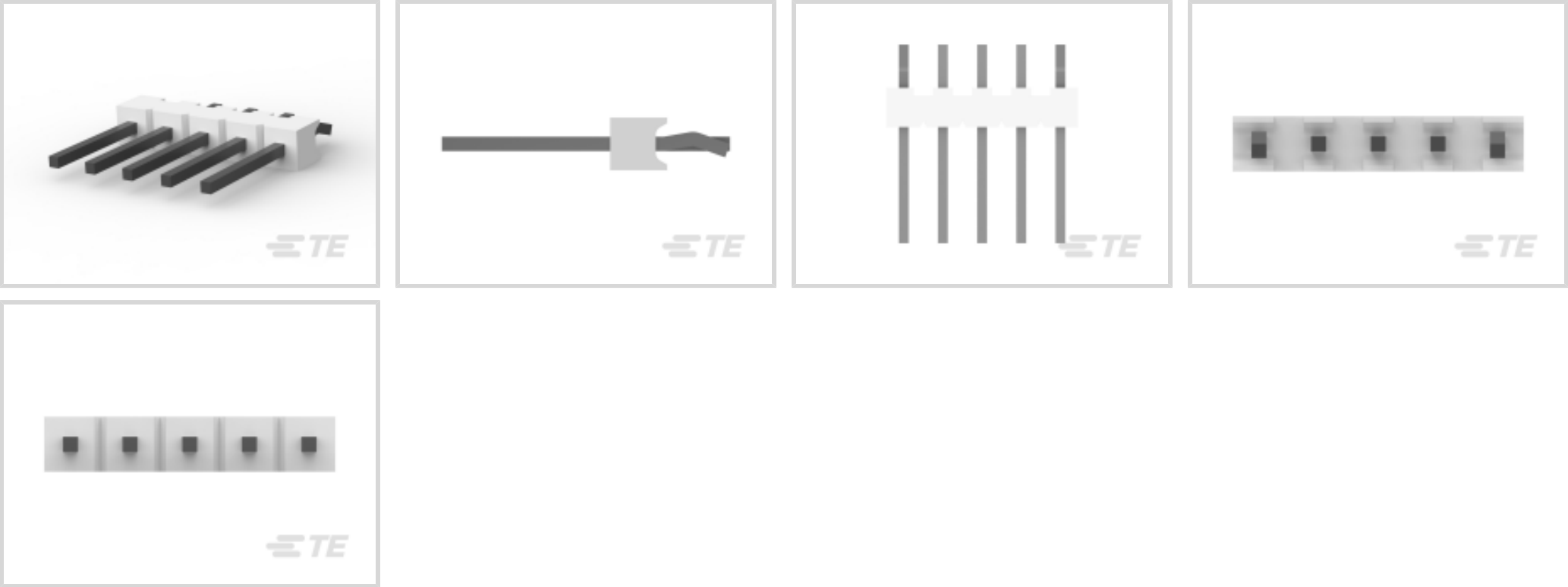
TE Internal #: 3-644695-5

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

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles >

Polyester Vertical PCB Header: 2.54mm, Breakaway, MTA 100



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, Breakaway, MTA 100 \(116\)](#)

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Breakaway
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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Body Features

Connector Profile	Narrow
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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 – 8.89 µm[150 – 350 µin]
Contact Underplating Material Thickness	1.27 µm[50 µin]
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 µm[150 µin]
Contact Type	Post
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	2.79 mm[.109 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention Type	Retention Leg
PCB Mount Alignment	Without
Mating Retention	Without
PCB Mount Retention	With



Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Natural
Housing Material	Polyester - GF
Dimensions	
Connector Length	12.4 mm[.488 in]
Connector Height	10.03 mm[.395 in]
Connector Width	2.34 mm[.092 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	
CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Agency/Standard	CSA, UL
CSA File Number	LR7189
UL Rating	Recognized
UL File Number	E28476
Packaging Features	
Packaging Quantity	500
Packaging Method	Bag/Box
Other	
Comment	Mates with CST-100 connector

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: JAN 2021
(211)
Candidate List Declared Against: JAN 2021
(211)
Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Wave solder capable to 240°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



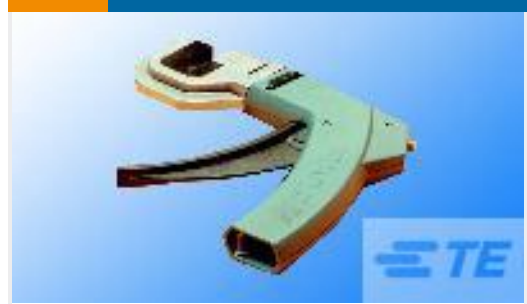
TE Part # CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100



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 # 58246-1
MTA 100 CRIMP HEAD REPAIR DISCRETE



TE Part # 58579-1
MTA 100 MANUAL TOOL ASSEMBLY DISCRETE

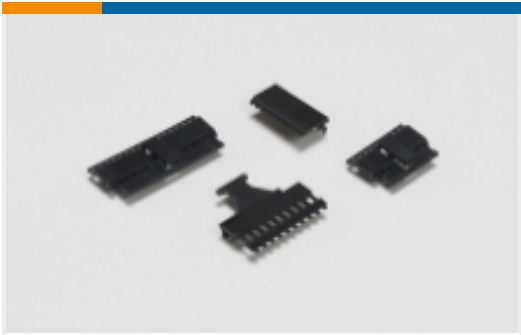


TE Part # CAT-104MTA-NTPNR
Nylon Tin Plated Receptacle: 2.54mm, No Mating Alignment, MTA 100

Also in the Series | [MTA 100](#)



Insertion & Extraction Tools(2)



PCB Connector Covers(107)



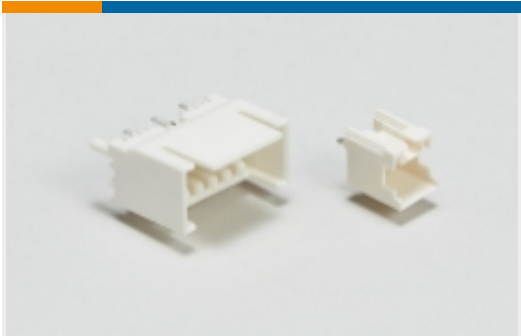
PCB Connector Keying(1)



Standard Rectangular Connectors (1730)



Wire-to-Board Connector Contacts(18)



Wire-to-Board Headers & Receptacles (1182)

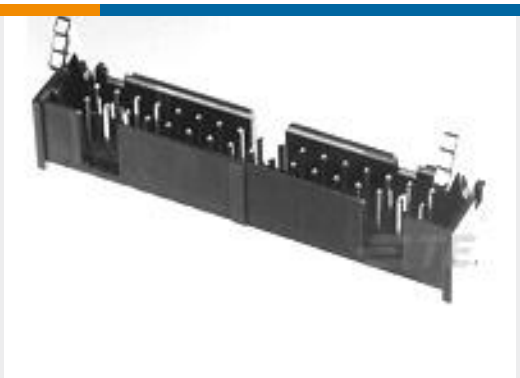
Customers Also Bought



TE Part #1-2176054-2
Thick Film Resistor: Current Sense



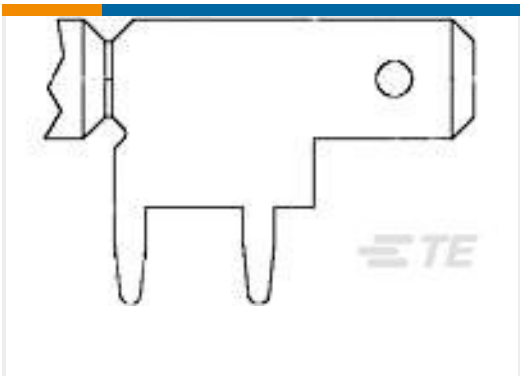
TE Part #1623781-3
Wirewound Resistor: Vertical Mount



TE Part #1-1761608-3
IDC LOW PRO HDR 40P VERT SHT L



TE Part #1625892-2
3W SM M/OX 5% R22



TE Part #1217062-1
187 FASTON,FLAG,PCB TAB,TNBR



TE Part #1-104350-0
20 MODII HDR DRST B/A W/HD



TE Part #1744427-2
EP Header Asy,Shrouded,2 Pos, GW



TE Part #1393793-5
Signal Relays: PCB mount, 3 amp



TE Part #1609112-3
CORCOM C SERIES IEC UNFILTERED INLETS



TE Part #G-MRCCO-050
AMR POSITION SENSORS

Documents



Product Drawings

05P MTA100 STR HDR RETENTIVE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_3-644695-5_E1.3d_igs.zip

English

Customer View Model

ENG_CVM_3-644695-5_E1.3d_stp.zip

English

Customer View Model

ENG_CVM_3-644695-5_E1.2d_dxf.zip

English

3D PDF

English

Customer View Model

ENG_CVM_CVM_3-644695-5_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-644695-5_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644695-5_G.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 Specifications

Product Specification

English

Agency Approvals

CSA Certificate

English