



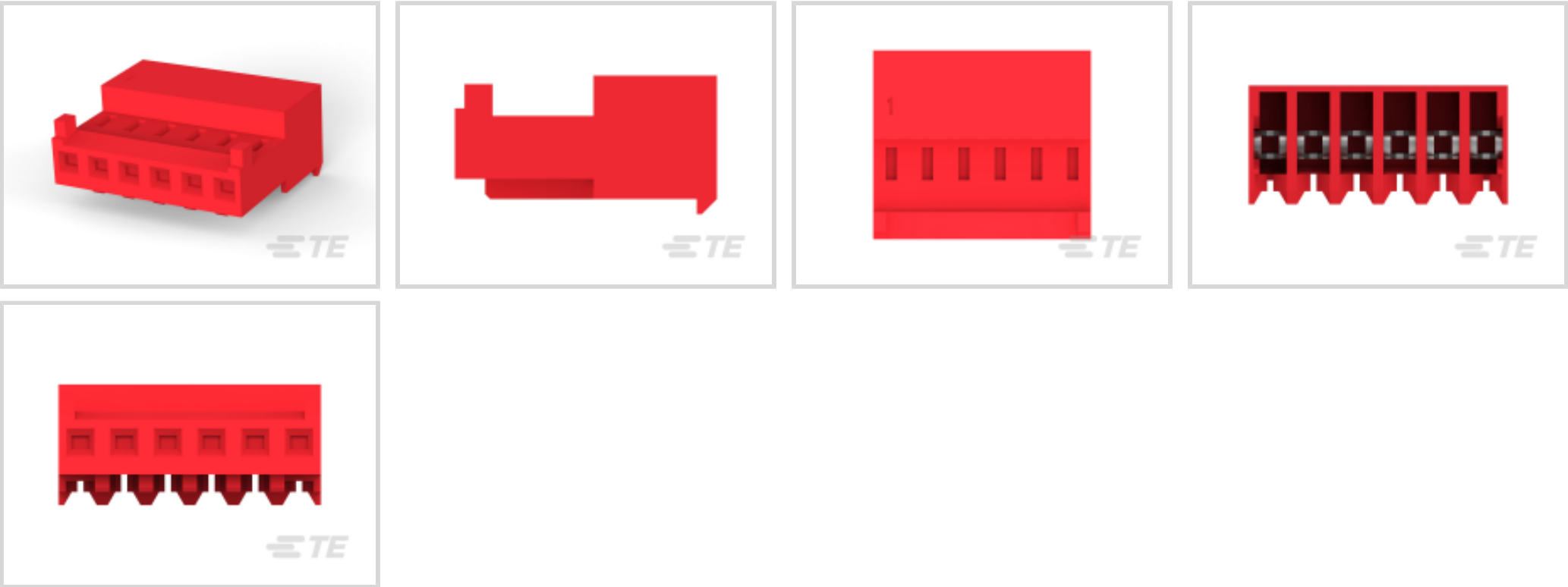
MTA | MTA 100

TE Internal #: 3-643813-6

MTA 100, Standard Rectangular Connectors, Connector Assembly,
Receptacle, Mating Alignment, Polarization Mating Alignment
Type, Mating Retention

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors > Nylon Tin Plated Receptacle: 2.54mm, With Mating Alignment, MTA 100



Connector Product Type: **Connector Assembly**
Connector & Housing Type: **Receptacle**
Mating Alignment: **With**
Mating Alignment Type: **Polarization**
Mating Retention: **With**

[All Nylon Tin Plated Receptacle: 2.54mm, With Mating Alignment, MTA 100 \(329\)](#)

Features

Product Type Features

Product Style	Assembly
Shape	Rectangular
Wire/Cable Type	Stranded
Connector Type	Connector Assembly
Housing Type	Receptacle
Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Insertion Force Type	Normal
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Cavities	6
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Number of Positions	6
Number of Rows	1
Panel Gasket	Without

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	In-line
Contact Type	Female
Wire Contact Termination Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Current Rating (Max)	5 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Panel Mount	No
Contact Retention Type Within Housing	Locking Lance
Panel Mount Feature	Without
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Color	Red
Housing Material	Nylon
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Width	6.99 mm[.275 in]
Height	13.21 mm[.52 in]
Length	15.24 mm[.6 in]



Wire Size .3 – .4 mm²

Usage Conditions

Operating Temperature Range -55 – 105 °C[-67 – 221 °F]

Operation/Application

Shielded No

Circuit Application Signal

Industry Standards

CSA Rating Certified

Agency/Standard CSA, UL

UL Rating Recognized

CSA File Number LR 7189

UL File Number E28476

UL Flammability Rating UL 94V-2

Packaging Features

Packaging Quantity 500

Packaging Method Bag/Box

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 2022 (223)
Candidate List Declared Against: JUL 2021 (219)
SVHC > Threshold:
Not Yet Reviewed

Halogen Content Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability Not applicable for solder process capability

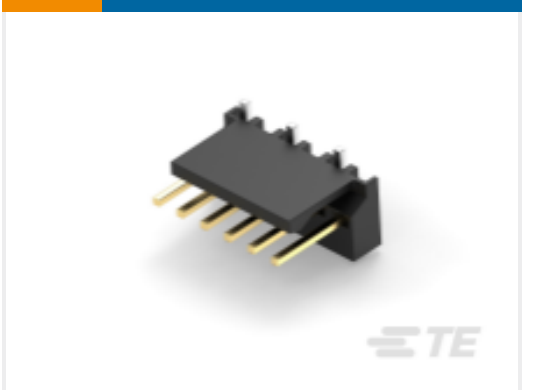
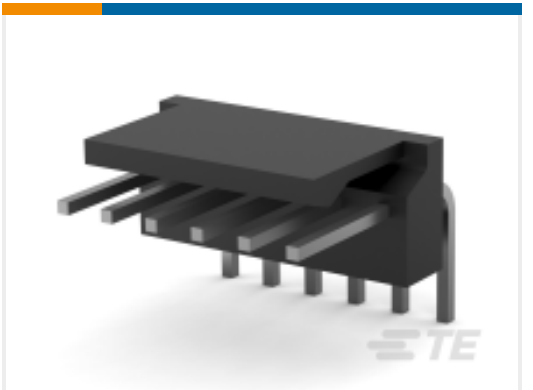
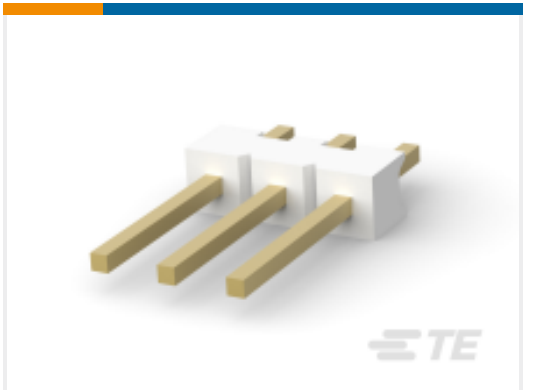
Product Compliance Disclaimer

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



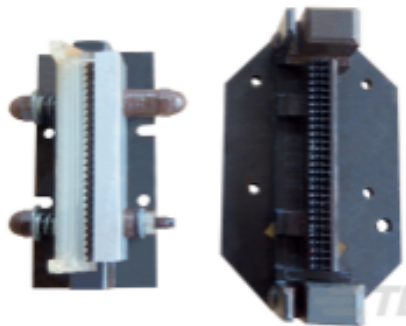
EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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

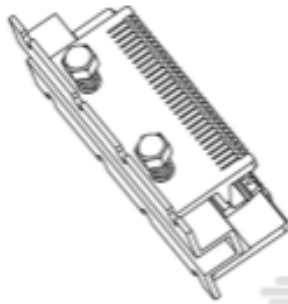
 TE Part # CAT-104MTA-PRUMH Polyester Right Angle PCB Header: 2.54mm, Wire-to-Board, MTA 100	 TE Part # CAT-104MTA-NTPMP Nylon Tin Plated Plug: 2.54mm, With Mating Alignment, MTA 100	 TE Part # CAT-104MTA-NVTHH Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100	 TE Part # CAT-104MTA-PVUNH Polyester Vertical PCB Header: 2.54 mm, Unshrouded, No Mating Alignment
 TE Part # CAT-104MTA-PRUSH Polyester Right Angle PCB Header: 2.54mm, Unshrouded, MTA 100	 TE Part # CAT-104MTA-NVSMH Nylon Vertical PCB Header: 2.54mm, Surface Mount, MTA 100	 TE Part # 640454-6 06P MTA100 HDR ASSY SQ STR POL	 TE Part # CAT-104MTA-PLSCC Polyester PCB Connector Covers: 2.54 mm, MTA 100
 TE Part # CAT-104MTA-PRSMH Polyester Right Angle PCB Header: 2.54mm, Shrouded, With Mating Alignment	 TE Part # CAT-104MTA-NYLCC Nylon PCB Connector Covers: 2.54 mm, MTA 100	 TE Part # CAT-104MTA-PVSHH Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100	 TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE
 TE Part # 3-644694-6 06P MTA100 R/A HDR RETENTIVE	 TE Part # 3-647051-6 06P MTA100 HRD ASSYF/L HT LF	 TE Part # CAT-104MTA-PVBRH Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 58246-3
MTA 100 CRIMP HEAD PRODUCTION
RBBN CABLE



TE Part # 58039-1
MTA 100 ARBOR FIXTURE DISCRETE
RBN CABLE



TE Part # 58242-3
MTA 100 BOARD FIXTURE TEST
CLOSED END



TE Part # 58246-2
MTA 100 CRIMP HEAD PRODUCTION
DISCRETE

Also in the Series | MTA 100



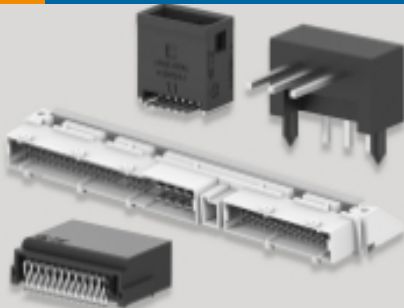
Insertion & Extraction Tools(2)



PCB Connector Covers(107)



PCB Connector Keying(1)



PCB Headers & Receptacles(1182)

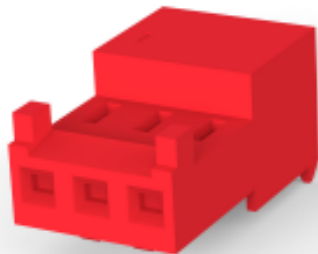


Standard Rectangular Connectors
(1718)

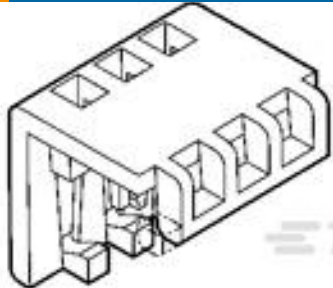


Wire-to-Board Connector Contacts(18)

Customers Also Bought



TE Part #4-643813-0
Nylon Tin Plated Receptacle: 2.54mm,
With Mating Alignment, MTA 100



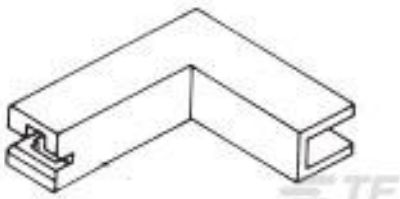
TE Part #643075-4
04P MTA100 MOLDED COVER



TE Part #1-640550-0
10P MTA100 COVER



TE Part #20009605-17
FX29K0-040B-0025-L



TE Part #360040-1
110 FASTON HSG.,FLAG,REC.,1 POS,
NATURAL



TE Part #3-640433-8
08P MTA156 CONN ASSY 22AWG RED



TE Part #282832-2
TERMI-BLOK PIN HEAD 180 2P. 5



Documents

Product Drawings

06P MTA100 CONN ASSY POL RIB

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-643813-6_K.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-643813-6_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-643813-6_K.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

Application Specification

English

Product Environmental Compliance

MD_3-643813-6_06082018842_dmtec

English

MD_3-643813-6_06082018842_dmtec

English

Agency Approvals

UL Report

English