

3-647051-3 ✓ ACTIVE



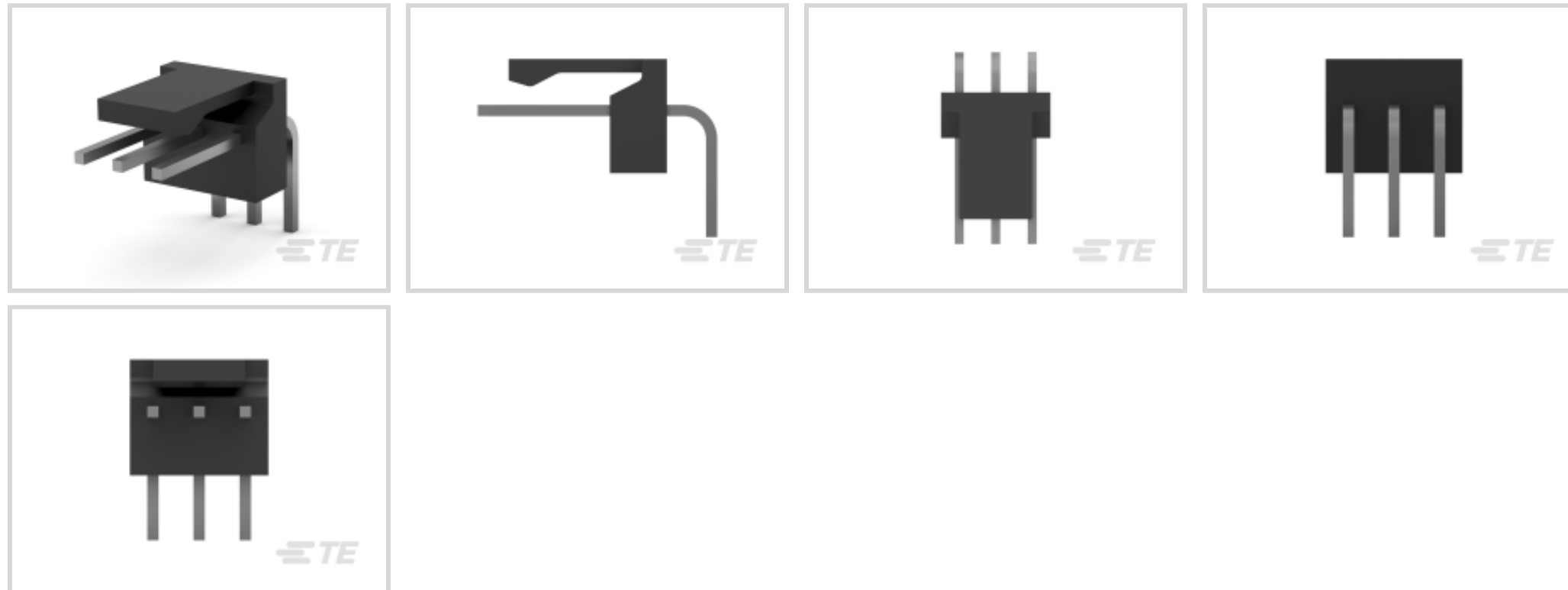
MTA 100

TE Internal #: 3-647051-3

PCB Mount Header, Right Angle, Wire-to-Board, 3 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, MTA 100

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Nylon, Right Angle, 2.54 mm



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Right Angle**

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

[All PCB Header: Nylon, Right Angle, 2.54 mm \(12\)](#)

Features

Other

EU RoHS Compliance **Compliant**

EU ELV Compliance **Compliant**

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

PCB Mount Orientation **Right Angle**

Number of Positions **3**

Number of Rows **1**



Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 μm [50 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 – 6.3 μm [150 – 250 μin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.3 μm [150 – 250 μin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.37 mm[.29 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Termination Post & Tail Length	3.56 mm[.14 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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



Mating Alignment With

Housing Features

Housing Material Nylon 4/6

Right Angle Bending Side Front

Centerline (Pitch) 2.54 mm [.1 in]

Dimensions

PCB Thickness (Recommended) 1.57 mm [.062 in]

Connector Height 8.81 mm [.347 in]

Connector Length 10.16 mm [.4 in]

Usage Conditions

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

Operation/Application

Circuit Application Signal

Industry Standards

Compatible With Agency/Standards Products UL, CSA

Compatible With Approved Standards Products UL E28476, CSA LR7189

UL Flammability Rating UL 94V-0

Packaging Features

Packaging Quantity 500

Packaging Method Box, Bag

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



Solder Process Capability

Pin-in-Paste capable to 260°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-NTPMR
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



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



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

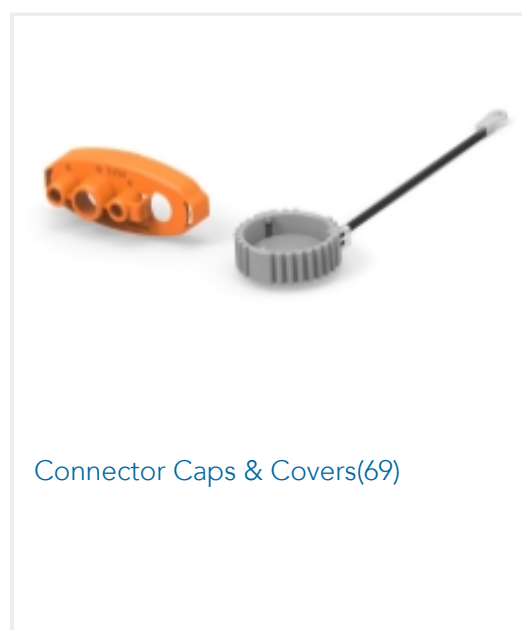


TE Part # CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100

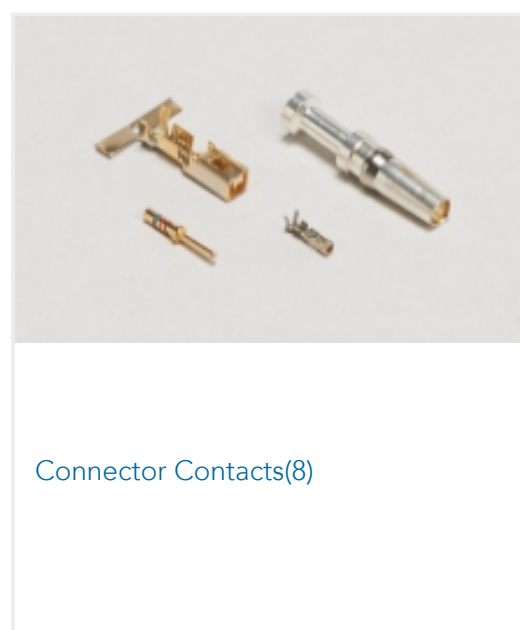


TE Part # 1375820-3
CST-100 II HOUSING 3 POS

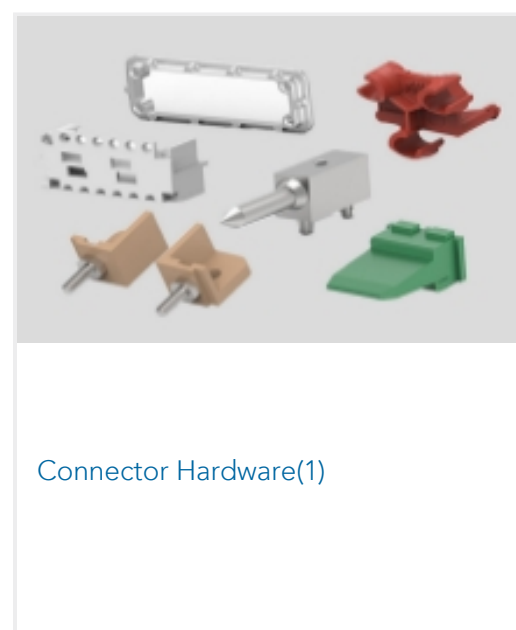
Also in the Series | MTA 100



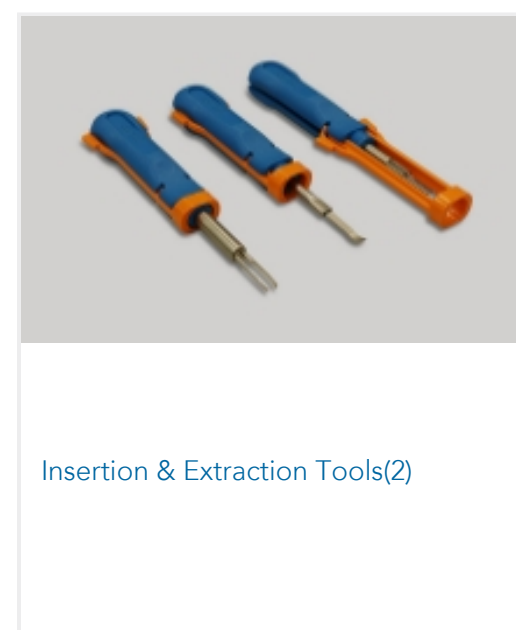
Connector Caps & Covers(69)



Connector Contacts(8)



Connector Hardware(1)



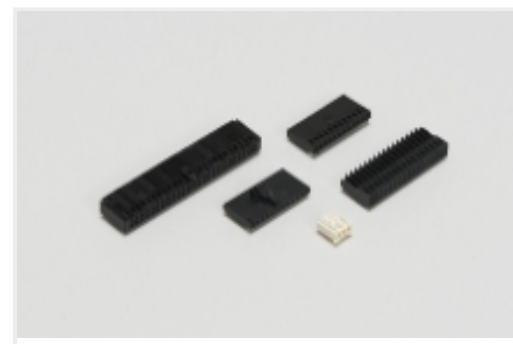
Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)

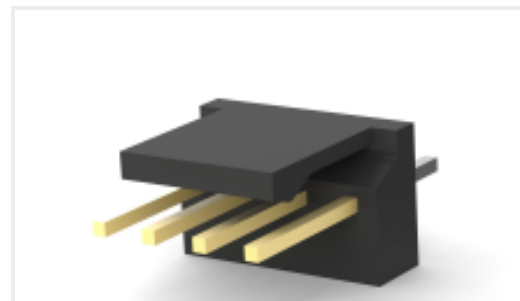


Wire-to-Board Connector Assemblies & Housings(1)

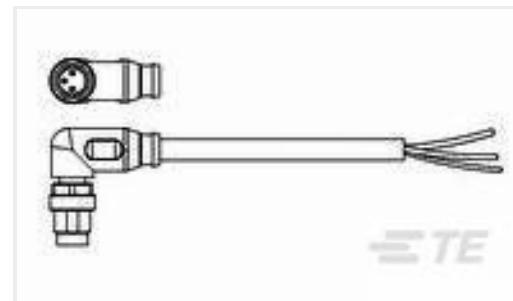
Customers Also Bought



TE Part #3-644457-2
02P MTA100 HDR ASSY R/A NARROW



TE Part #3-647050-4
Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100



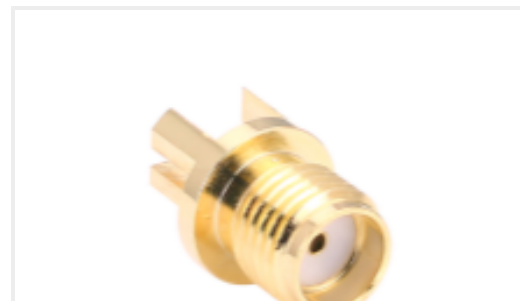
TE Part #2273008-1
M8 x 1.0 Angled plug Pigtail



TE Part #20014203-14
PRESS XDCR M325M-00000P-250PG



TE Part #58075-1
MTA 50/100/156 PNEUMATIC TOOL FRAME



TE Part #L9000262-01
SMA Jack 50 Ohm .031 PCB Edge Mount



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



TE Part #L9000264-01
SMA Jack 50 Ohm .031 PCB Edge Mount



TE Part #S8655PRSMF
Panel,RHCP,FIXED,SMAF 865-870MHz, 5dBic,

Documents

Product Drawings

[03P MTA100 HRD ASSYF/L HT LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-647051-3_H_c-3-647051-3-h.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_3-647051-3_H_c-3-647051-3-h.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-647051-3_H_c-3-647051-3-h.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English