



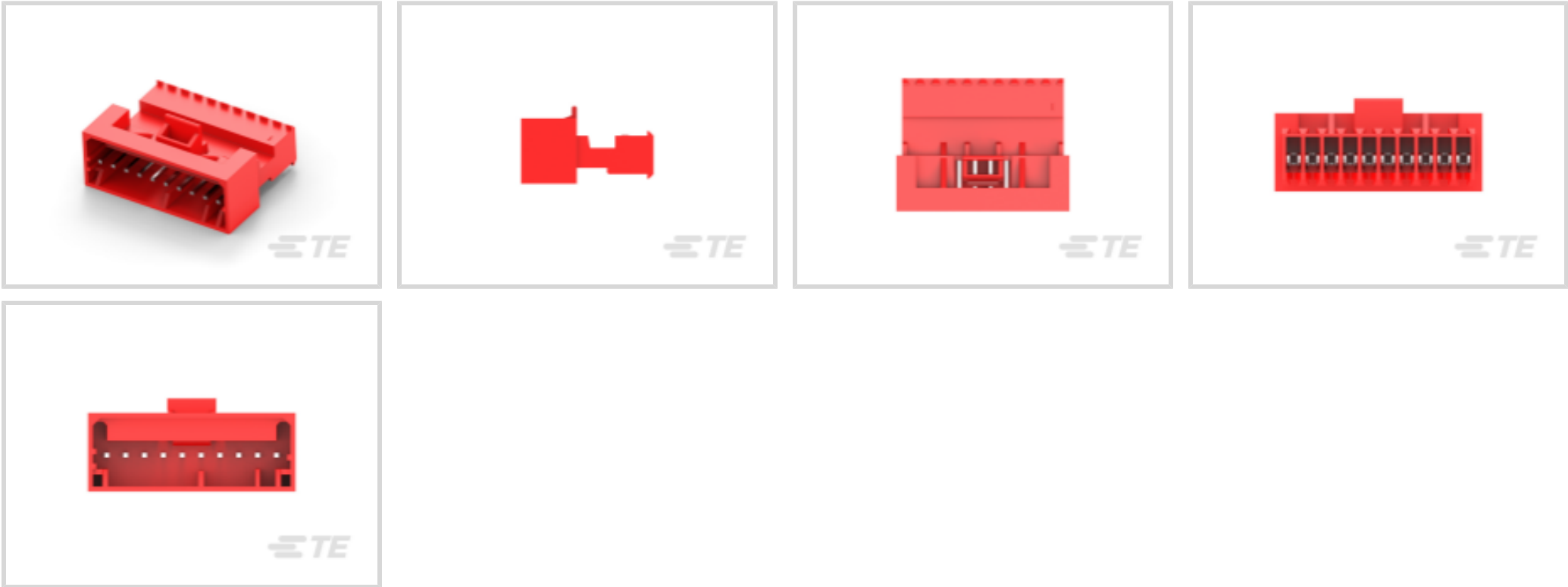
MTA 100

TE Internal #: 4-647000-0

Connector Assembly, Plug, Insulation Displacement (IDC), Wire-to-Wire, Tin, Normal, UL 94V-2, 10 Position, MTA 100, Standard Rectangular Connectors

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors > MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Plug**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

[All MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment \(28\)](#)

Features

Packaging Features

Packaging Quantity	75
Packaging Method	Bag/Box

Dimensions

Product Width	21.4 mm[.843 in]
Product Length	27.94 mm[1.1 in]
Connector Height	12.54 mm[.494 in]
Wire Size	22 AWG

Housing Features

Housing Color	Red
Housing Material	Nylon 6/6
Centerline (Pitch)	2.54 mm[.1 in]

Configuration Features

--



Number of Cavities	10
Contacts Preloaded	Yes
Number of Positions	10
Number of Rows	1

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	LR 7189
UL Flammability Rating	UL 94V-2

Contact Features

Contact Underplating Material	Nickel
Wire Contact Termination Area Plating Material	Tin
Contact Type	Tab
Contact Mating Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Current Rating (Max)	5 A

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Product Type Features

Compatible With Discrete Wire Type	Stranded
Connector Product Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Insertion Force Type	Normal
Sealable	No
Connector & Contact Terminates To	Wire & Cable



Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
------------------------------------	-------------------------------

Electrical Characteristics

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

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	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>



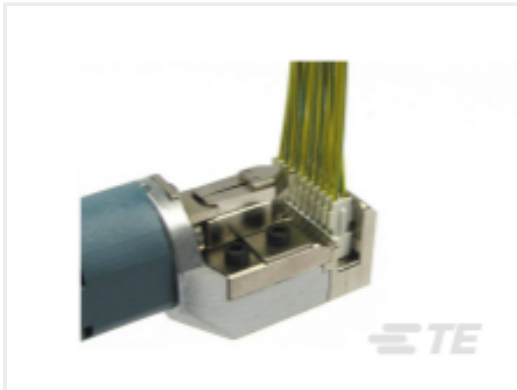
Compatible Parts



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



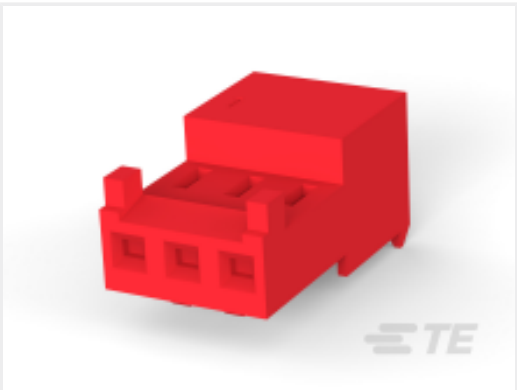
TE Part # CAT-104MTA-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



TE Part # 58638-1
MTA 100 CRIMP HEAD PRODUCTION POSTED



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



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



TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME

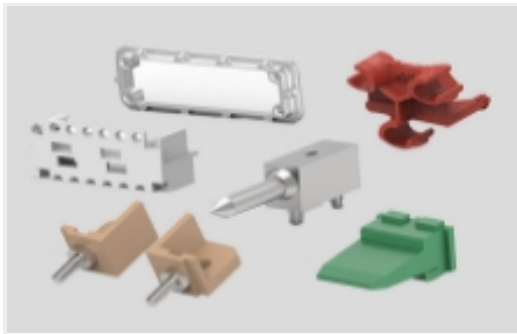
Also in the Series | MTA 100



Connector Caps & Covers(69)



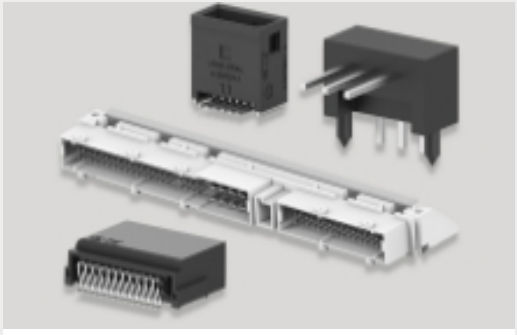
Connector Contacts(8)



Connector Hardware(1)



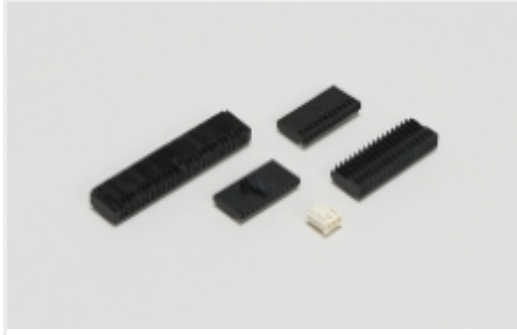
Insertion & Extraction Tools(2)



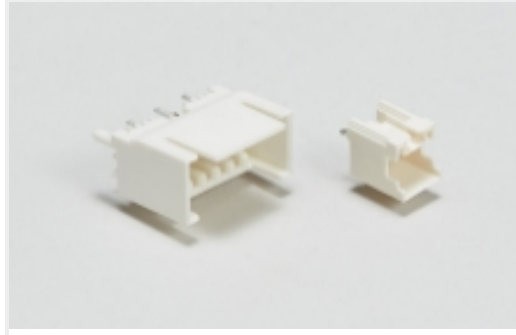
PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)

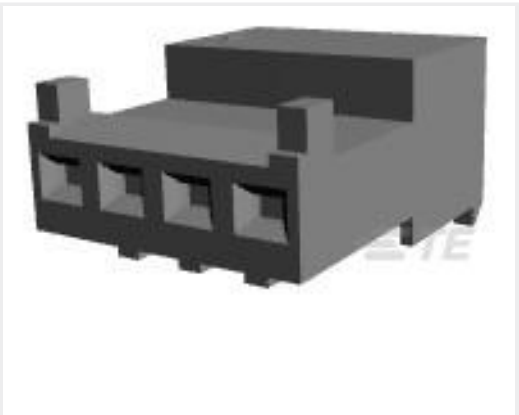


Wire-to-Board Connector Assemblies & Housings(1)



Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



TE Part #3-643814-4
04P MTA100 CONN ASSY POL RIB



TE Part #3-647000-2
02P MTA100 PSTD CONN ASSY LF



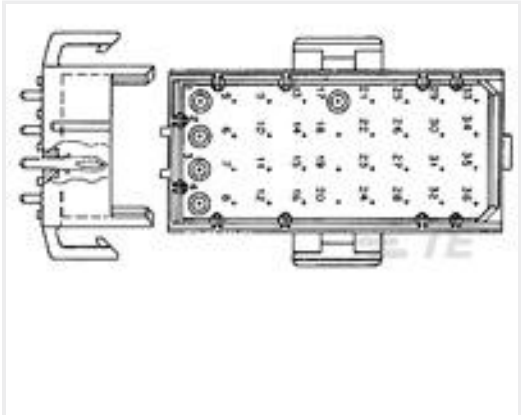
TE Part #3-640428-2
02P MTA156 CONN ASSY 22AWG RED



TE Part #794606-2
MICRO MNL RPT CNT STRIP 15AU



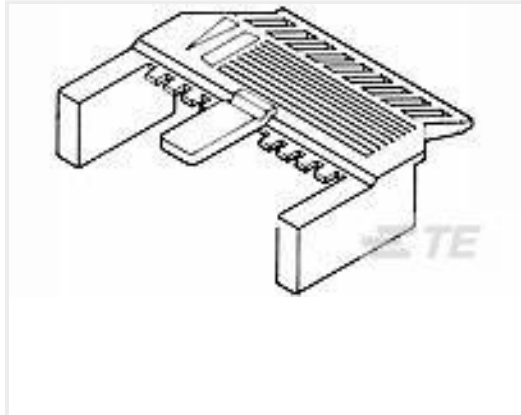
TE Part #6-102398-8
40 AMPMODU MT ASSY DR .100CL



TE Part #640498-4
03P MR HDR ASSY V0



TE Part #1-608687-9
CABLE TIE, ,NAT,100PK



TE Part #1-102537-8
40 AMPMODU MT COVER DR .100CL



TE Part #4-640443-0
10P MTA100 CONN ASSY GRN



TE Part #3-640426-6
06P MTA156 CONN ASSY 18AWG ORA

Documents

Product Drawings

10P MTA100 PSTD CONN ASSY LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-647000-0_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-647000-0_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-647000-0_F.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

UL

English

UL

English