



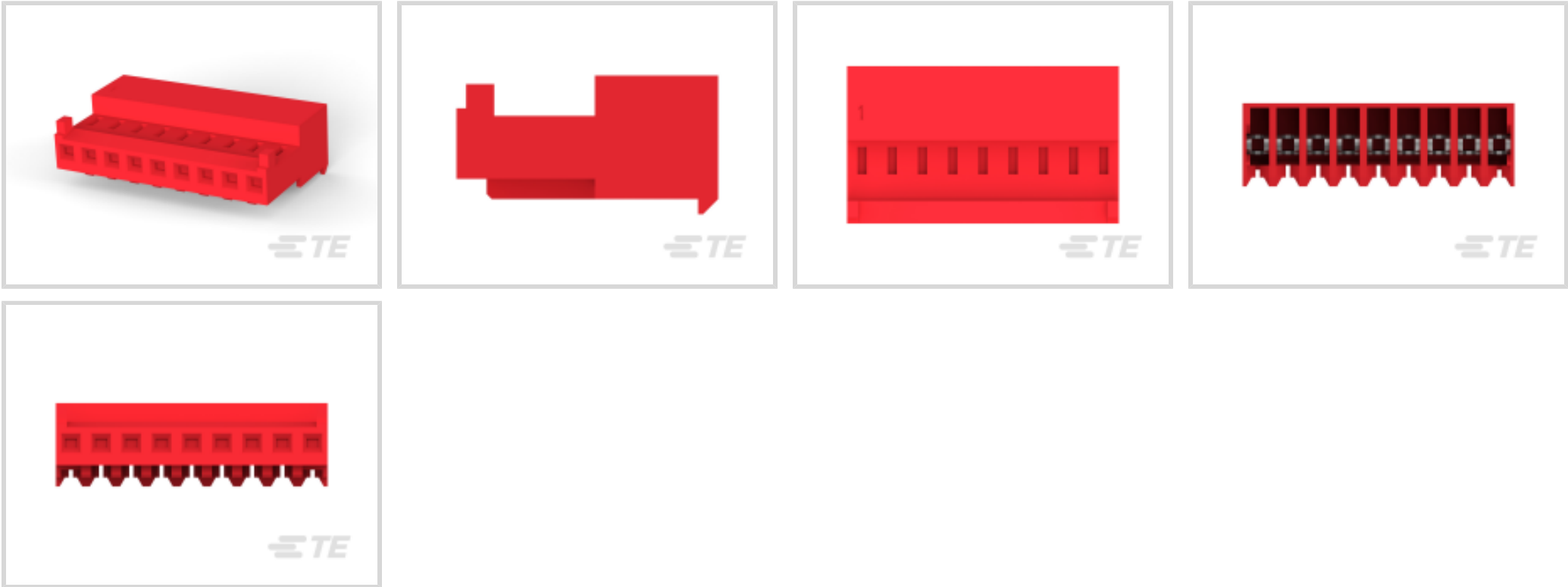
MTA 100

TE Internal #: 3-643813-9

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

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors > Nylon Tin Plated Receptacle: 2.54 mm, 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: 2.54 mm, with Mating Alignment, MTA 100 \(127\)](#)

Features

Packaging Features

Packaging Quantity	500
Packaging Method	Bag/Box

Dimensions

Product Width	6.99 mm[.275 in]
Product Length	22.86 mm[.9 in]
Connector Height	13.21 mm[.52 in]
Wire Size	22 AWG

Housing Features

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

Configuration Features

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Number of Cavities	9
Contacts Preloaded	Yes
Number of Positions	9
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	Receptacle
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	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)

Product Type Features

Compatible With Discrete Wire Type	Stranded
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



Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Electrical Characteristics

Operating Voltage	250 VAC
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

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



Connector Caps & Covers(69)



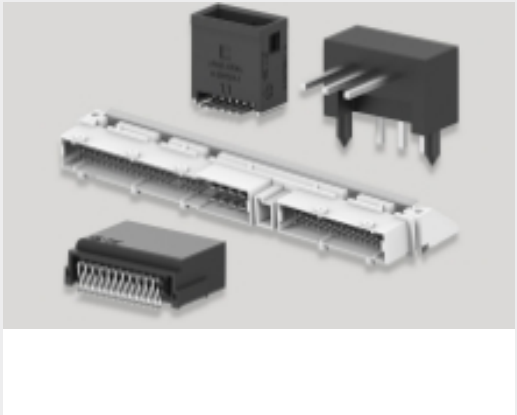
Connector Contacts(8)



Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



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

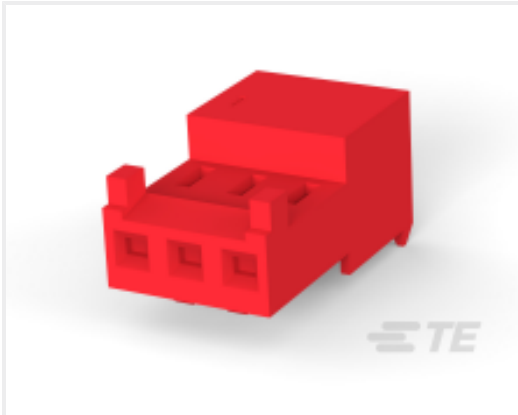


Wire-to-Board Headers & Receptacles (441)

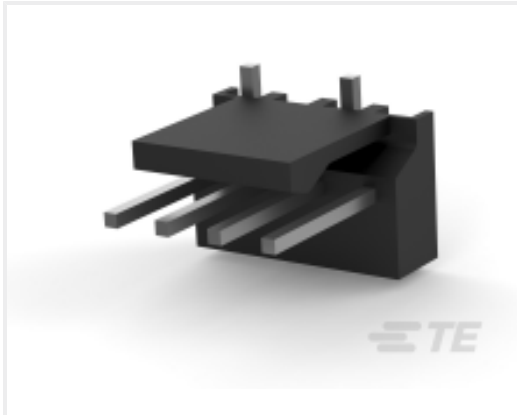
Customers Also Bought



TE Part #640454-9
09P MTA100 HDR ASSY SQ STR POL



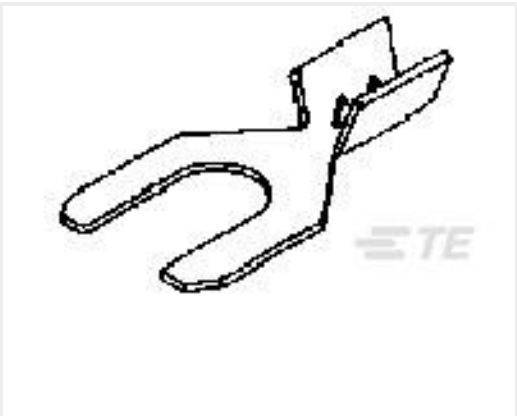
TE Part #CAT-104MTA-NTPMR
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



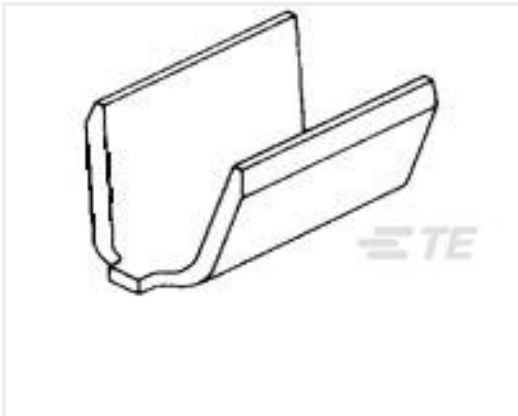
TE Part #1744382-8
08P MTA100 HDR ASSY,SM,SN, LF



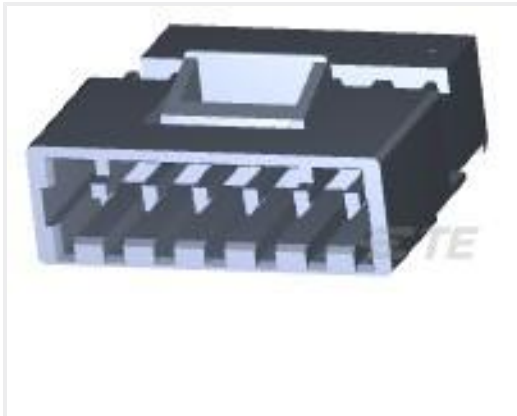
TE Part #2-1445094-3
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #60234-2
SPADE 26-22 AWG TPBR



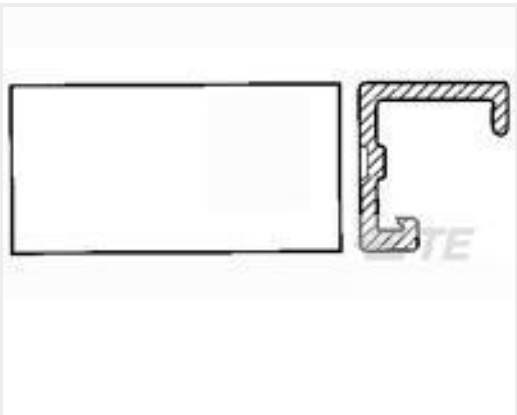
TE Part #41459
SPLICE 800-2600 CMA BR



TE Part #3-641435-6
06P MTA156 CONN ASSY ORNG



TE Part #3-643817-7
07P MTA156 CONN ASSY 18AWG ORA



TE Part #640550-9
09P MTA100 COVER

Documents



Product Drawings

09P MTA100 CONN ASSY POL RIB

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-643813-9_K.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-643813-9_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-643813-9_K.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English