

3-647000-5 ✓ ACTIVE

MTA 100

TE Internal #: 3-647000-5

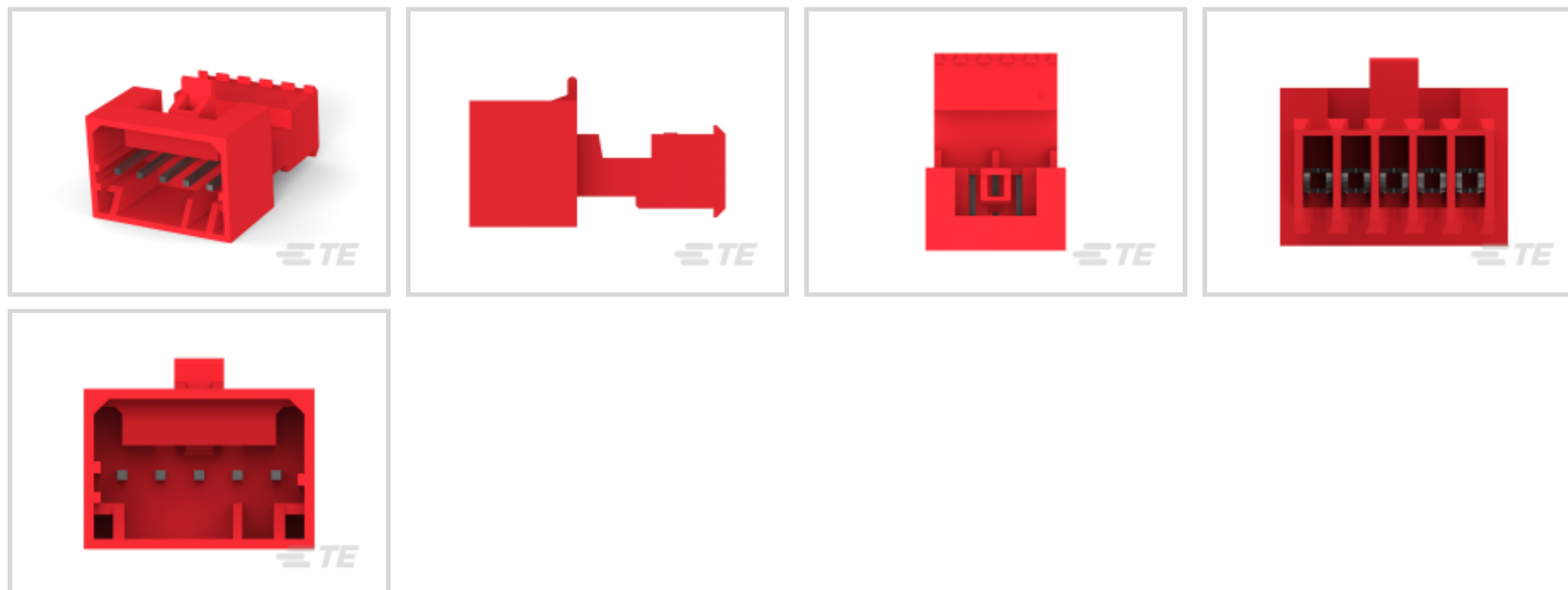
Connector Assembly, Plug, Insulation Displacement (IDC), Wire-to-Wire, Tin, Normal, UL 94V-2, 5 Position, MTA 100, Standard

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

Body Features

Primary Product Color	Red
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Packaging Features

Packaging Quantity	150
Packaging Method	Bag/Box

Dimensions

Connector Width	21.4 mm[.843 in]
Connector Height	12.54 mm[.494 in]
Wire Size	22 AWG
Connector Length	15.24 mm[.6 in]

Housing Features

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



Configuration Features

Number of Cavities	5
Contacts Preloaded	Yes
Number of Positions	5
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
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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
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Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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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-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



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



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



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

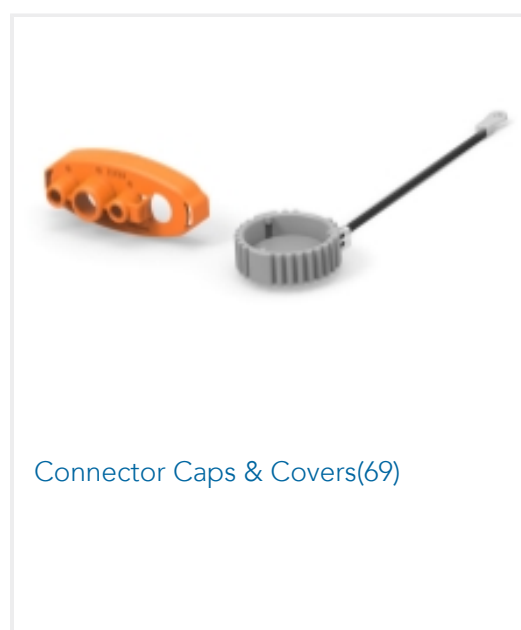


TE Part # CAT-104MTA-NTPMR
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

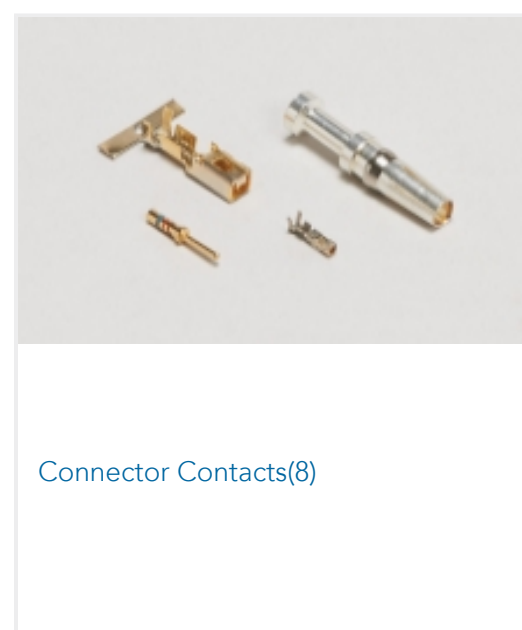


TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME

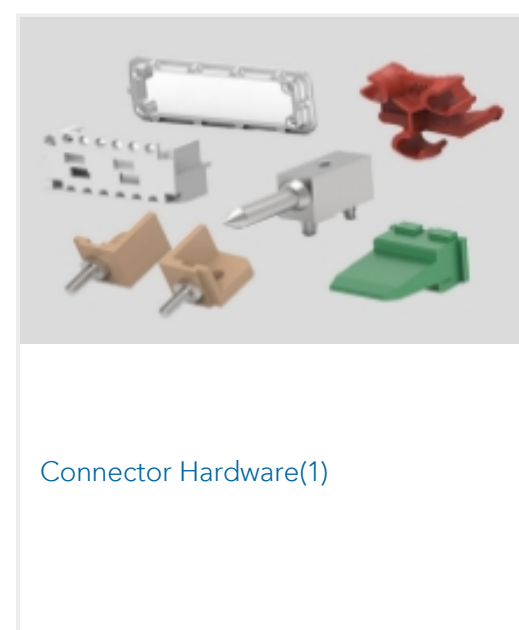
Also in the Series | MTA 100



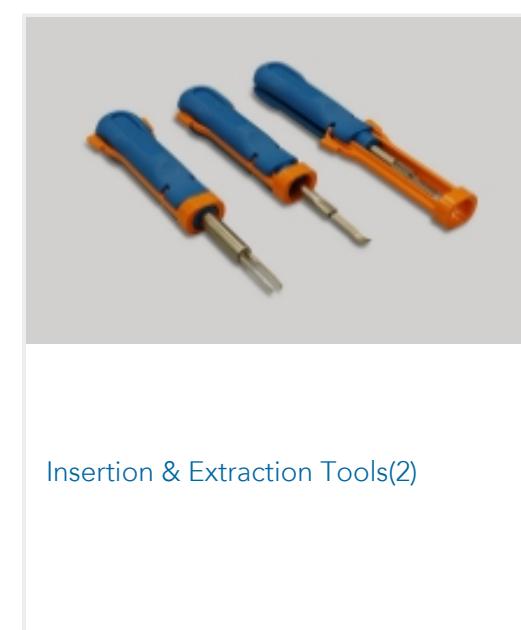
Connector Caps & Covers(69)



Connector Contacts(8)



Connector Hardware(1)



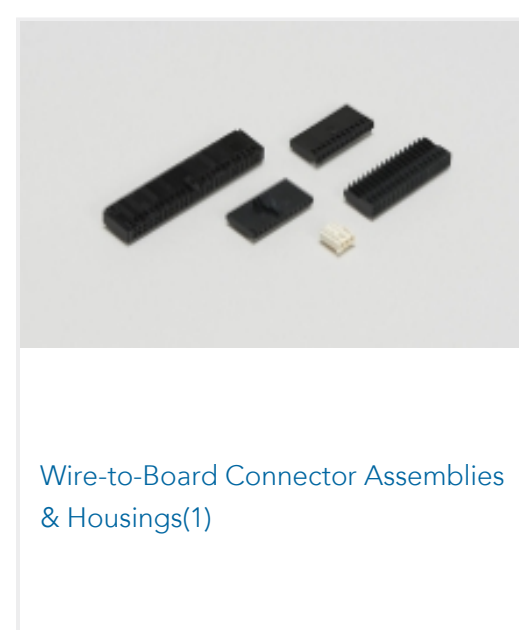
Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)

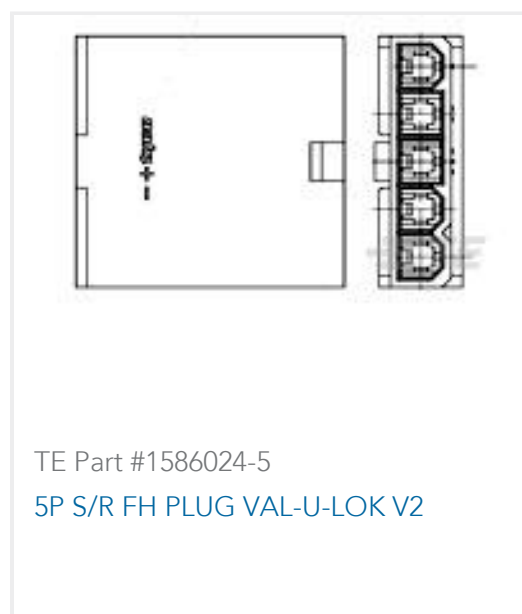


Wire-to-Board Connector Assemblies & Housings(1)



Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



TE Part #1586024-5
5P S/R FH PLUG VAL-U-LOK V2



TE Part #3-643813-4
04P MTA100 CONN ASSY POL RIB



TE Part #1903126-1
DYNAMIC D1000 TAB CONT TIN (2L) L /P



TE Part #1-1586018-2
12P PM PLUG VAL-U-LOK V0 /P



TE Part #CAT-104MTA-NTPMP
MTA Plug: Nylon, Tin Plated, 2.54 mm,
with Mating Alignment



TE Part #CAT-D9934-A75C
DYNAMIC 3500 REC AND TAB HSG



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

Documents

Product Drawings

05P MTA100 PSTD CONN ASSY LF

English

CAD Files

Customer View Model

[ENG_CVM_CVM_3-647000-5_F.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3-647000-5_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-647000-5_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

Agency Approval Document

English