



MTA | MTA 100

TE Internal #: 641644-2

MTA 100, Connector Contact, Socket, Wire-to-Wire / Wire-to-Board, 24AWG Wire Size, .2mm² Wire Size, Pre-Tin, Bag/Box, Wire & Cable

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts >

Connector Contact: Socket/Receptacle, Wire-to-Board / Wire-to-Wire, MTA 100



Contact Type: **Socket**

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

Wire Size: **.2 mm²**

Contact Mating Area Plating Material: **Pre-Tin**

[All Connector Contact: Socket/Receptacle, Wire-to-Board / Wire-to-Wire, MTA 100 \(18\)](#)

Features

Product Type Features

Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	With



Contact Underplating Material Thickness	.76 µm[29.92 µin]
Wire Contact Termination Area Plating Material Thickness	2.03 µm
Wire Contact Termination Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Material	Pre-Tin, Tin
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	5 A

Termination Features

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

Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Dimensions

Wire Size	.2 mm ²
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Usage Conditions

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

Circuit Application	Signal
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Packaging Features

Packaging Quantity	1000
Packaging Method	Bag/Box

Other

Comment	Used for field repair or wire gauge change.
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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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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-CONCT
Connector Contact: Socket / Receptacle, Wire-to-Board / Wire-to-Wire, MTA 100

Also in the Series | MTA 100

Insertion & Extraction Tools(2)

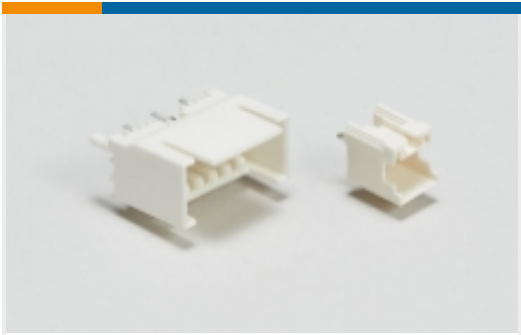
PCB Connector Covers(107)

PCB Connector Keying(1)

Standard Rectangular Connectors (1730)



Wire-to-Board Connector Contacts(18)



Wire-to-Board Headers & Receptacles (1182)

Customers Also Bought



TE Part #2273076-3
M12 A-CODE MALE R/A PIGTAIL



TE Part #1558671-8
PCB Power Relay: 30 amp, Monostable DC



TE Part #5-2176408-3
3560 5M6 5%



TE Part #2-2329328-0
PB OFF/ON HC BLU M4 TERM. IP68



TE Part #1625888-2
2W STD M/OX 5% 180R



TE Part #2176415-4
8W STD M/OX 5% 39R



TE Part #3-2176416-6
9W STD M/OX 5% 1K5



TE Part #3-644488-3
Polyester Right Angle PCB Header: 2.54mm, Shrouded, With Mating Alignment



TE Part #EJ1953-000
Z-TYPE PUSH-ON MARKERS



TE Part #1624021-1
SC30-10-2532-10 39UH AMMO 1000

Documents

Product Drawings

MTA100 CONT 24AWG L/P

English

CAD Files

Customer View Model

ENG_CVM_641644-2_D.3d_igs.zip

English

Customer View Model



[ENG_CVM_641644-2_D.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_641644-2_D.2d_dxf.zip](#)

English

3D PDF

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

[Product Specification](#)

English