



MTA | MTA 100

TE Part # 3-643813-3

TE Internal #: 3-643813-3

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Product Type: **Connector**

Connector Style: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

Features

Product Type Features

Product Style	Assembly
Shape	Rectangular
Wire/Cable Type	Stranded
Connector Type	Connector Assembly
Housing Type	Receptacle Housing
Product Type	Connector
Connector Style	Receptacle
Connector System	Wire-to-Board
Shielded	No
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Cavities	3
Number of Positions	3
Number of Rows	1



Panel Gasket	No
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Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
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Contact Type	Female
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Contact Underplating Material	Nickel
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Contact Plating Material	Tin
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Contact Current Rating (Max)	5 A
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Termination Features

Connection Type	Connector Assembly
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Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)
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Mechanical Attachment

Contact Retention Type	Locking Lance
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Panel Mount Feature	Without
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Panel Mount	No
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Mating Alignment	With
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Mating Alignment Type	Polarization
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Mating Retention	With
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Mating Retention Type	Locking Ramp
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Contact Retention	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Width	6.99 mm[.275 in]
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Height	13.21 mm[.52 in]
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Length	7.62 mm[.3 in]
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Wire Size	.3 – .4 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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Industry Standards

CSA Rating	Certified
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR 7189
UL File Number	E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	500
Packaging Method	Bag/Box

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 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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

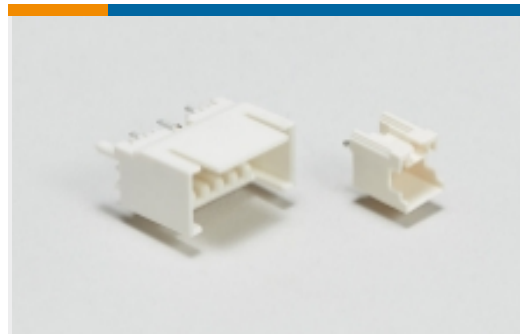
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An

Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

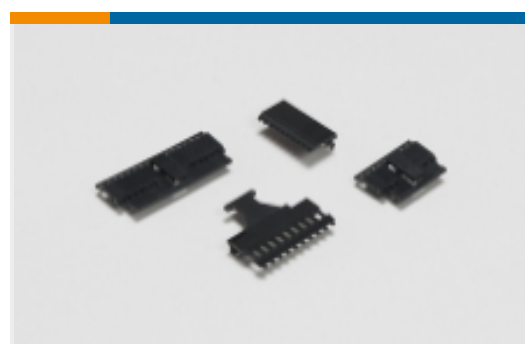


Portable Crimp Tools(2)



Wire-to-Board Headers & Receptacles(34)

Also in the Series | MTA 100



PCB Connector Covers (107)



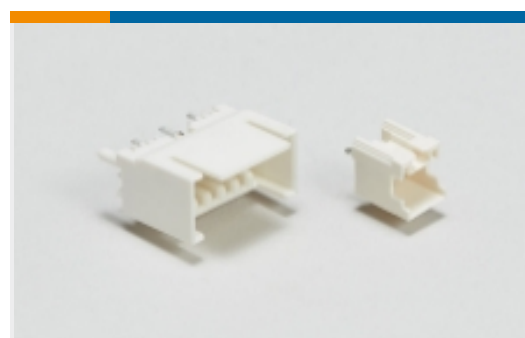
PCB Connector Keying(1)



Standard Rectangular Connectors(1730)



Wire-to-Board Connector Contacts(18)



Wire-to-Board Headers & Receptacles(1216)

Documents

Product Drawings

03P MTA100 CONN ASSY POL RIB

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-643813-3_K.2d_dxf.zip

English

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_3-643813-3_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-643813-3_K.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[MTA, CST-100 II, SL-156 and AMP Economy Power \(EP\) Connectors](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_3-643813-3_09192017010_dmtec](#)

English

[MD_3-643813-3_09192017010_dmtec](#)

English

Agency Approvals

[UL Report](#)

English