



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Connector System: **Cable-to-Cable, Cable-to-Panel**

Number of Positions: **104**

Centerline (Pitch): **3.81 mm [.15 in]**

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable, Cable-to-Panel
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	104
Number of Power Positions	104
Number of Signal Positions	104
Number of Rows	8

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	13 A
Contact Retention Within Housing	With
Contact Type	Socket
Wire Contact Termination Area Plating Material	Tin-Lead



Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
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Termination Features

Termination Method to Wire & Cable	Wire Wrap
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Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Guide Hole
Mating Retention	With
Mating Alignment	With
Contact Retention Type Within Housing	Locking Spring
Panel Mount Feature	With
Panel Mount Feature Type	Screw Mount
Mating Retention Type	Center Fastener
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	3.81 mm[.15 in]
Housing Color	Black
Housing Material	Phenolic - GF

Dimensions

Connector Height	30.38 mm[1.19 in]
Product Width	31.75 mm[1.25 in]
Product Length	74.8 mm[2.945 in]
Wire Size	.2 mm²
Row-to-Row Spacing	3.3 mm[.13 in]

Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]
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Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire



Packaging Features

Packaging Quantity	12
Packaging Method	Box & Tray, Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

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>

Also in the Series | AMP M Series



Board-to-Board Jumpers & Shunts(7)



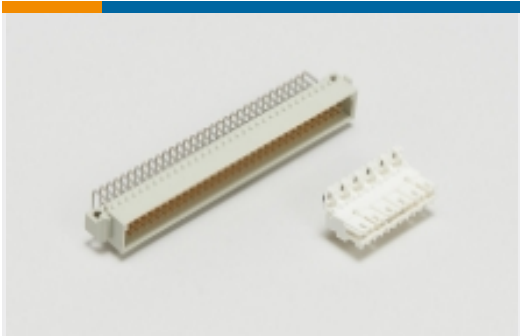
Rack & Panel Connectors(1)



Rectangular Connector Hardware(51)

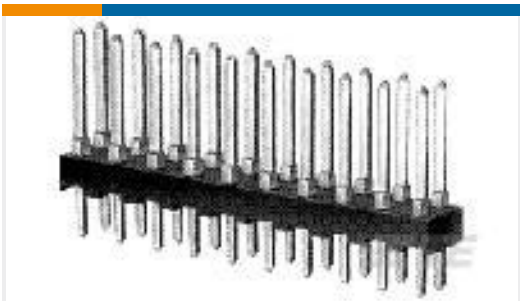


Rectangular Power Connectors(66)



Standard Edge Connectors(2)

Customers Also Bought



TE Part #3-87215-0
60 MODII HDR DRST UNSHRD .100



TE Part #3-2176090-4
RP 1J 0.166W 287K 0.1% 25PPM 1K RL



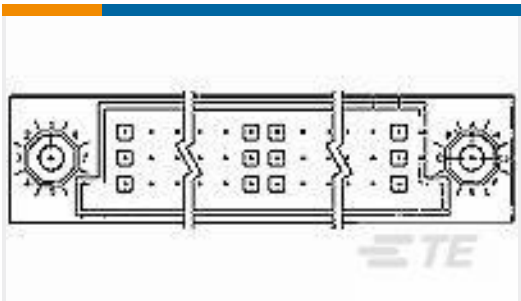
TE Part #1-102398-8
40 AMPMODU MT ASSY DR .100CL



TE Part #4-2176370-1
RQ 0603 1K13 0.1% 10PPM 5K RL



TE Part #1-2176379-0
RQ 0805 133R 0.1% 10PPM 5K RL



TE Part #1-532433-1
HDI PIN ASSY 3 ROW 210 POS



TE Part #2-2176368-7
RQ 0603 93K1 0.1% 10PPM 1K RL



TE Part #5650841-1
ASSY,PIN,VERT,HDI,LEAD-FREE,
3ROW,W/OGUID

Documents

- CAD Files
- Customer View Model
- ENG_CVM_CVM_205720-2_AA.2d_dxf.zip
- English
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_205720-2_AA.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_205720-2_AA.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[M_SERIES_PIN_AND_SOCKET_CONNECTORS](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[M Series 104-Position Plug & Receptacle Connectors w/Center Fasteners](#)

English

Agency Approvals

[Agency Approval Document](#)

English