



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

Centerline (Pitch): **4.14 mm [.163 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	9
PCB Mount Orientation	Vertical
Number of Power Positions	9
Number of Signal Positions	0
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Mating Area Plating Material	Tin-Lead
Contact Current Rating (Max)	9.5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	3.81 – 6.35 µm[150 – 250 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	4.14 mm[.163 in]
Housing Color	White
Housing Material	Nylon

Dimensions

Wire Size	100.5 – 2583 CMA
Row-to-Row Spacing	4.14 mm[.163 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-68 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

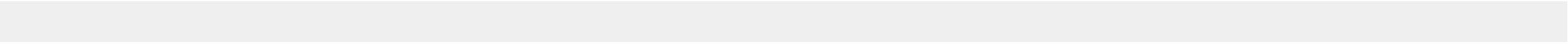
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	200
Packaging Method	Bag

Product Compliance

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



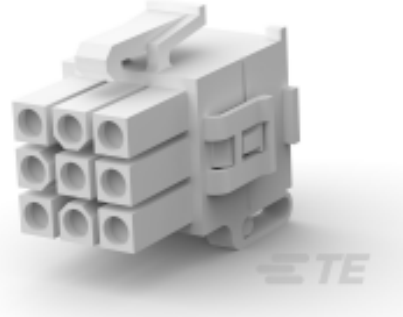


EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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	Not lead free process capable

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 # 794194-1
09P MINI UMN2 PLUG HSG UL94V0



TE Part # 172169-1
9 CIR UNIV M-N-L PLUG

Also in the Series | Mini-Universal MATE-N-LOK



Connector Contacts(8)



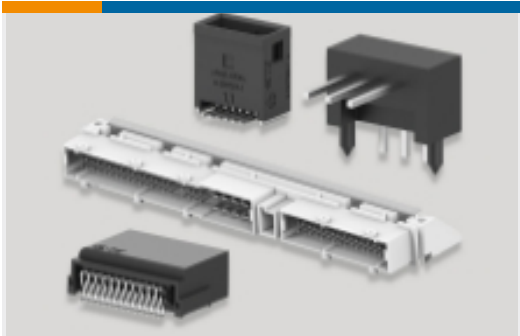
Connector Seals & Cavity Plugs(17)



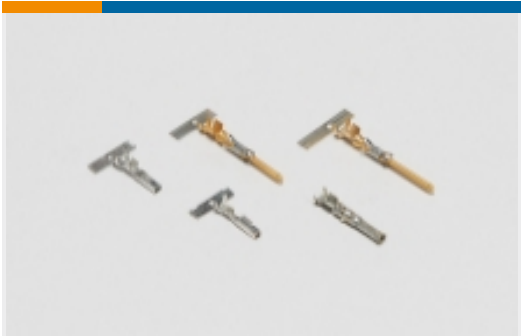
Connector Strain Relief(4)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Power Contacts(84)



Rectangular Connector Keying Plugs(2)

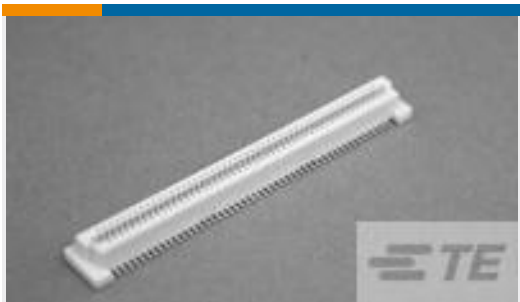


Rectangular Connector Locking(2)

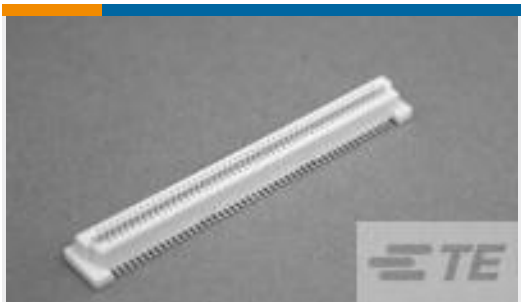


Rectangular Power Connectors(244)

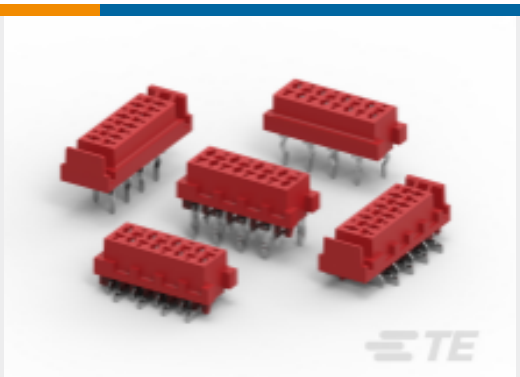
Customers Also Bought



TE Part #5177983-5
0.8FH,R05H.5,120,08/Sn,TU



TE Part #5177983-1
0.8FH,R05H.5,040,08/Sn,TU



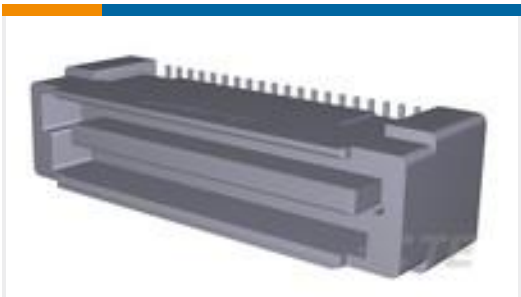
TE Part #8-188275-6
Female-on-Board Connector, Top Entry



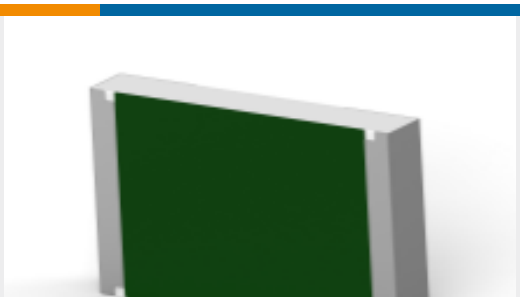
TE Part #1734035-2
MINI USB, TYPE B, R/A, SMT



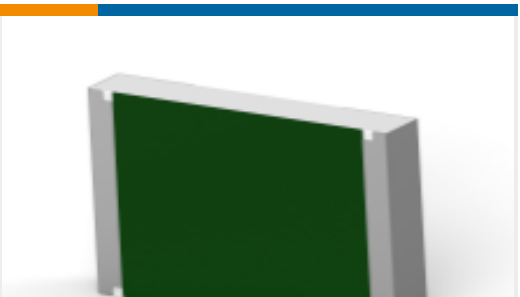
TE Part #1-770876-1
09P MINI UMNL HDR ASSY AU LF



TE Part #1735434-1
0.8FH,P08H.5,040,08/Sn,TR,KT



TE Part #7-2176401-4
3540 1R8 5%



TE Part #5-2176400-8
3540 240R 1%



Documents

Product Drawings

09P MINI UMNL HDR ASSY SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770876-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770876-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770876-1_H.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals



Agency Approval Document

English