



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **3**

Centerline (Pitch): **4.14 mm [.162 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	3
PCB Mount Orientation	Right Angle
Number of Power Positions	3
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	3.81 μm[150 μin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	9.5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 – 8.89 μm[150 – 350 μin]

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Chamfered Edges
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	4.14 mm[.162 in]
Housing Color	White
Housing Material	Nylon

Dimensions

Connector Height	7.77 mm
PCB Thickness (Recommended)	.06 mm[1.57 in]
Product Width	12.7 mm



Product Length15.29 mm

Usage Conditions

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

Operation/Application

Circuit ApplicationPower

Industry Standards

CSA RatingCertified, LR 7189

UL RatingRecognized

Compatible With Agency/Standards ProductsCSA, UL

Compatible With Approved Standards ProductsUL E28476

UL Flammability RatingUL 94V-0

Glow Wire RatingStandard Part - Not Glow Wire

Packaging Features

Packaging Quantity200

Packaging MethodBag

Product Compliance

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

EU RoHS Directive 2011/65/EUCompliant

EU ELV Directive 2000/53/ECCompliant

China RoHS 2 Directive MIIT Order No 32, 2016No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JUNE 2024 (241)
Candidate List Declared Against: JUNE 2024 (241)
Does not contain REACH SVHC

Halogen ContentLow Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process CapabilityWave 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>

Compatible Parts

TE Part # 172166-1
3 CIR UNIV M-N-L PLUG

TE Part # 794186-1
03P MINI UMN2 PLUG HSG UL94V0

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

Connector Caps & Covers(2)

Connector Contacts(89)

Connector Hardware(4)

Connector Seals & Cavity Plugs(17)

Connector Strain Relief(2)

Insertion & Extraction Tools(1)

Rectangular Power Connectors(197)

Customers Also Bought

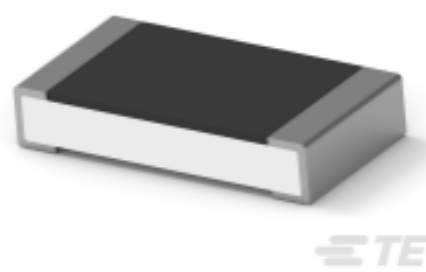
TE Part #1558662-7
T9GV2L14-24

TE Part #1-1241152-0
10P HV100 REC. CON, SMD, GOLD, BLISTER

TE Part #1-770966-1
02P MINI UMN2 R/A HDR ASSY AU

TE Part #103635-9
10 MTE HDR SRRA LATCH .100CL





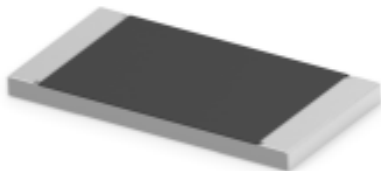
TE Part #8-2176389-2
RQ 1206 750R 0.1% 10PPM 5K RL



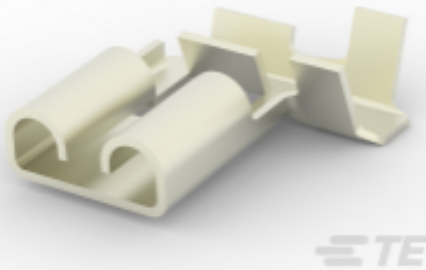
TE Part #C58158-000
WP White Polyester Labels



TE Part #5353831-8
.6FHP07H,100,S,GIG,08/Sn,TR,NSYes



TE Part #1-2176531-9
3504G 3A 9K09 1% 1K RL



TE Part #2286377-1
250 FASTON,FLAG,REC.,22-18 AWG, NPST

Documents

Product Drawings

03P MINI UMNL R/A HDR ASSY SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-770967-0_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-770967-0_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-770967-0_D.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

Instruction Sheets

Instruction Sheet (U.S.)



English

Agency Approvals

UL

English