



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: **2**

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	2
PCB Mount Orientation	Right Angle
Number of Power Positions	2
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 Printed Circuit Board	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	11.16 mm



Product Length12.7 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. 1907/2006
Current ECHA Candidate List: JAN 2024 (240)
Candidate List Declared Against: JAN 2024 (240)
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 # 794894-1
02P MINI UMNL PLUGS WIRE HOLES



TE Part # 794772-2
02P MINI UMNL SEAL, DIE CUT



TE Part # 172165-1
2 CIR UNIV M-N-L PLUG NATL



TE Part # 794184-1
02P MINI UMNL2 PLUG HSG UL94V0

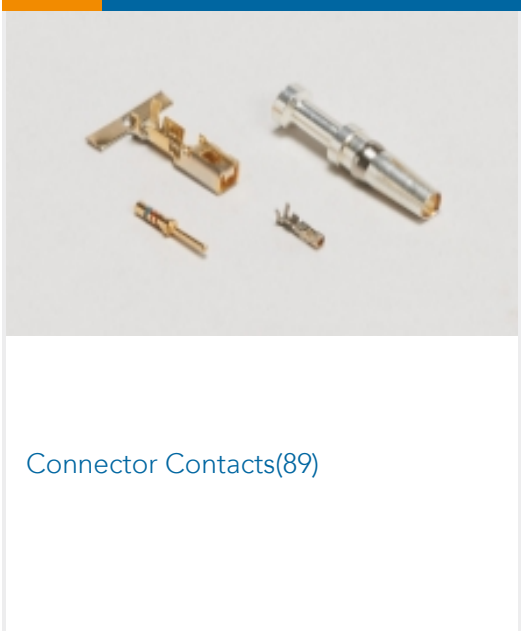


TE Part # 794894-3
02P MINI UMNL PLUGS WIRE HOLES

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



Connector Caps & Covers(2)



Connector Contacts(89)



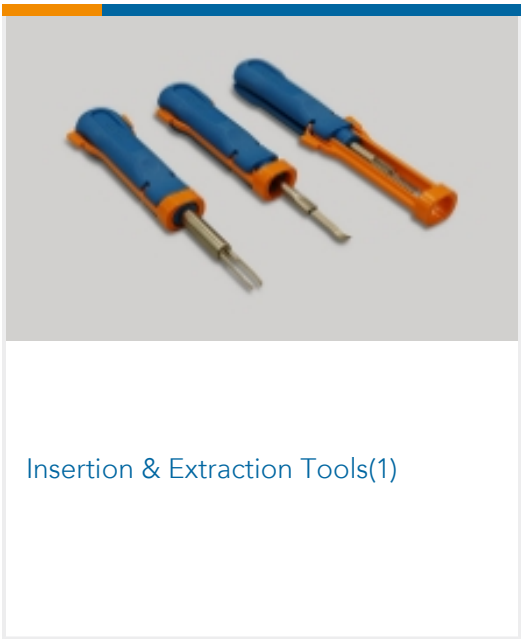
Connector Hardware(4)



Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



Rectangular Power Connectors(197)

Customers Also Bought



TE Part # 1-1969694-5
PTL 1X5 PCB HEADER R/A HITEMP
KEY A LGR

TE Part # 2-102618-3
50 MODII HDR DRST SHRD .100CL

TE Part # 5-6437131-5
FSN-12A-16

TE Part # 3-1614959-2
CPF0805 1M62 0.1% 25PPM 1K RL

TE Part # 225850-E
POWELM STIFT * M3 5 * SMD 3 SN *
* J 3

TE Part # 5223650-2
2MM FB,4RV,REC,ASY,048,PF,4.25

TE Part # 2-2286546-1
HSD,HDR ASSY,90DEG,COD A

Documents

Product Drawings

02P MINI UMNL R/A HDR ASSY SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-770966-0_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-770966-0_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-770966-0_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