



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **12**

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

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Multiple Contact Types	Without
Contact Retention Within Housing	Without
Contact Type	Socket



Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Row-to-Row Spacing	4.14 mm[.162 in]
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Usage Conditions

Operating Temperature Range	-20 - 105 °C[-4 - 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Product Compliance

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

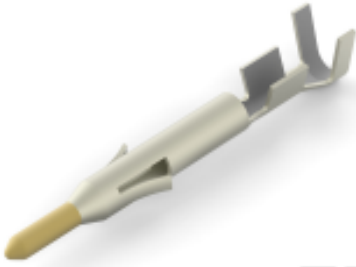
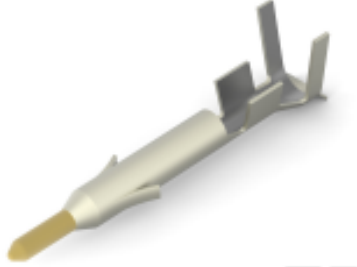
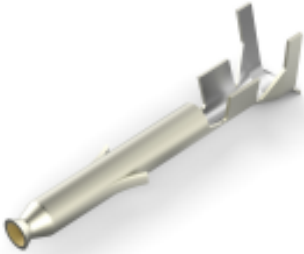
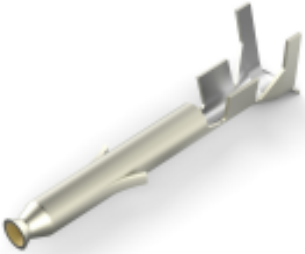
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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

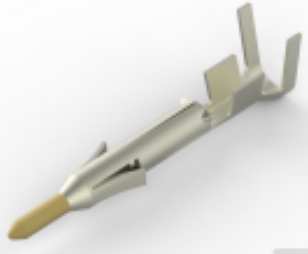
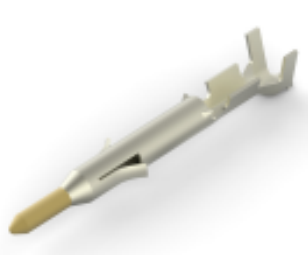
Product Compliance Disclaimer

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 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 # 1-794066-1 12P MINI UMNL HDR W/DH AU LF	 TE Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP	 TE Part # 1-770972-1 12P MINI UMNL R/A HDR ASSY LF	 TE Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP
 TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP	 TE Part # 1-770988-0 MINI UMNL SOK 22-18AWG AU	 TE Part # 1-770972-0 12P MINI UMNL R/A HDR ASSY LF	 TE Part # 1-794059-0 MINI UMNL PIN L/P LF

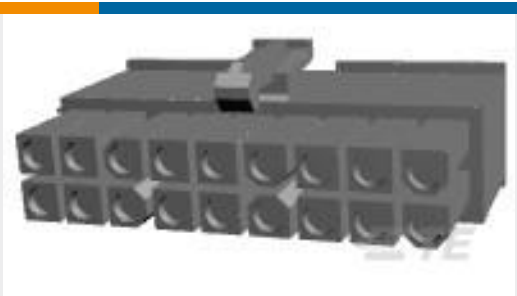


 TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP	 TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP	 TE Part # 794058-1 MINI UMNL SOK L/P	 TE Part # 1-794066-0 12P MINI UMNL HDR W/DH SN LF
 TE Part # 170365-3 MINI UNIVERSAL M-N-L SOCKET LP	 TE Part # 170364-3 MINI UNIVERSAL M-N-L PIN LP	 TE Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP	 TE Part # 1-770621-0 12P MINI UMNL DBL ROW HDR ASSY
 TE Part # 1-794407-1 MINI UMNL SOK 20-16 AWG AU LF	 TE Part # 170363-3 MINI UNIVERSAL M-N-L PIN LP	 TE Part # 171638-1 MINI U-M-N-L PIN CONT. L.P	 TE Part # 171639-1 MINI U-M-N-L SOCKET L.P

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 # 770584-1
18P MINI UMNL PLUG HSG



TE Part # 770583-1
16P MINI UMNL PLUG HSG



TE Part # 794220-1
MINI UMNL2 PIN 22-18 AWG SN



TE Part # 640204-1
RING .164 (4.17 MM) 22-18 AWG TPST



TE Part # 2008571-3
3 POS MICRO MNL, TOP LATCH, BL



TE Part # 378254-000
TMS-SCE-1K-1/4-2.0-S3-9



TE Part # 794199-1
12P MINI UMNL2 CAP HSG DBLROW



TE Part # 3-796635-8
16P 5.08 R/A PLUG, MARKED



TE Part # 4-796635-1
13 POS 5.08MM R/A PLUG, TRM BLK



TE Part # 2315785-3
3P MICRO MNL PLUG HSG FREE
HNG SGL RW V0

Documents

Product Drawings

12P MINI UMNL PLUG HSG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770581-1_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770581-1_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770581-1_P.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

Engineering Report

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English