



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: **6**

Centerline (Pitch): **4.2 mm [.165 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	6
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)	4.2 mm[.165 in]
Housing Color	Natural
Housing Material	Nylon 66

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
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Usage Conditions

Operating Temperature Range	-55 - 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	500
Packaging Method	Bag

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 # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP	 TE Part # 794423-1 06P MINI UMNL STR RELIEF P&CAP	 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 # 1-770969-1 06P MINI UMNL R/A HDR ASSY LF	 TE Part # 1-770988-0 MINI UMNL SOK 22-18AWG AU	 TE Part # 1-794059-0 MINI UMNL PIN L/P LF	 TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP



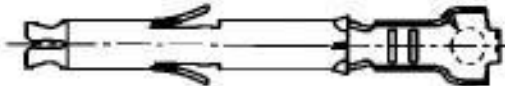
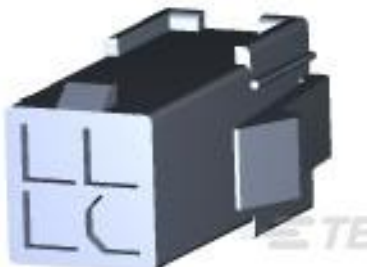
 TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP	 TE Part # 794058-1 MINI UMNL SOK L/P	 TE Part # 170365-3 MINI UNIVERSAL M-N-L SOCKET LP	 TE Part # 1-770969-0 06P MINI UMNL R/A HDR ASSY SN
 TE Part # 170364-3 MINI UNIVERSAL M-N-L PIN LP	 TE Part # 1-770178-0 06P MINI-UMNL ASSY VO SNNI*	 TE Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP	 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 # 1-770178-1 06P MINI UMNL ASSY VO SNAU LF	 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 # 172170-1 12 CIR UNIV M-N-L PLUG	 TE Part # 170364-1 MINI UNIVERSAL M-N-L PIN LP	 TE Part # 170366-1 MINI UNIVERSAL M-N-L SOCKET LP	 TE Part # 172161-1 9 CIR UNIV M-N-L CAP
 TE Part # 172169-1 9 CIR UNIV M-N-L PLUG	 TE Part # 172159-1 4 CIR UNIV M-N-L CAP	 TE Part # 172167-1 4 CIR UNIV M-N-L PLUG	 TE Part # 172166-1 3 CIR UNIV M-N-L PLUG
 TE Part # 172165-1 2 CIR UNIV M-N-L PLUG NATL	 TE Part # 172160-1 6 CIR UNIV M-N-L CAP		

Documents

Product Drawings
6 CIR UNIV M-N-L PLUG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_172168-1_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172168-1_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_172168-1_M.3d_stp.zip

English

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Datasheets & Catalog Pages



SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Engineering Report

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English