



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: **10**

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	10
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
Agency/Standard	CSA, UL
Approved Standards	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-770988-1 MINI UMNL SOK 22-18AWG LP LF	TE Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP	TE Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP	TE Part # 1-770858-1 10P MINI UMNL HDR ASSY AU LF
TE Part # 1-770971-1 10P MINI UMNL R/A HDR ASSY LF	TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP	TE Part # 1-770743-1 10P MINI UMNL HDR ASSY VRT 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 # 1-770743-0 10P MINI UMNL HDR ASSY D/R VRT	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 # 170364-3
MINI UNIVERSAL M-N-L PIN LP

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 # 171638-1
MINI U-M-N-L PIN CONT. L.P

TE Part # 171639-1
MINI U-M-N-L SOCKET L.P

TE Part # 770903-3
MINI UMNL PIN 22-18 AWG AU

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

Connector Backshells(2)

Connector Contacts(8)

Connector Seals & Cavity Plugs(17)

Connector Strain Relief(2)

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 #1-794067-1 14P MINI UMNL HDR W/DH AU	TE Part #770986-1 MINI UMNL SOK 26-22AWG SN LP	TE Part #1445022-6 MICRO MNL RFECEPT HSG SINGLE R	TE Part #172168-1 6 CIR UNIV M-N-L PLUG
TE Part #737021 FF 250 TAB HSG 4P NYLON CLEAR	TE Part #1-350949-0 05P UMNL HDR ASSY R/A V2 NATL	TE Part #1-1586039-8 18P VAL-U-LOK VRT HDR W/P V2	TE Part #2-1586039-0 20P VAL-U-LOK VRT HDR W/P V2
TE Part #9-1879140-0 RN 0603 158K 0.1% 10PPM 5K RL	TE Part #1-2176430-8 MPT35 68R 5%		

Documents

Product Drawings

10P MINI UMNL PLUG HSG

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770580-1_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770580-1_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770580-1_L.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

[Product Environmental Compliance](#)

[MD_770580-1_06082018129_dmtec](#)

English

[MD_770580-1_06082018129_dmtec](#)

English

[Instruction Sheets](#)

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English

[Agency Approvals](#)

[Agency Approval Document](#)

English