



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Panel, 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	Receptacle
Connector System	Wire-to-Panel, 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	Pin



Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Mounting Ears
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Panel Thickness	.8 – 2 mm[.8 – 2 in]

Usage Conditions

Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]
Insertion Force	5.5 kg

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power & Signal

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Recognized
Agency/Standard Number	E28476
CSA File Number	LR7189
VDE Tested	No
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Bag
Packaging Quantity	500



Other

For Use With	Mini-Universal MATE-N-LOK Plug Housing
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Product Compliance

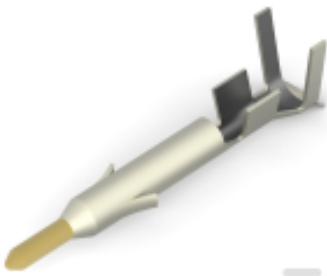
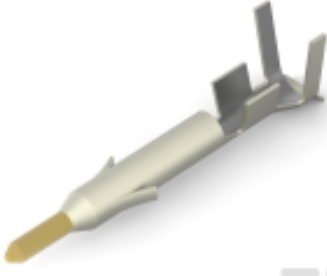
For compliance documentation, visit the product page on TE.com>

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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) 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>

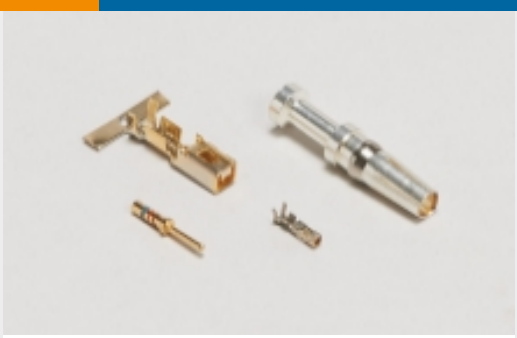
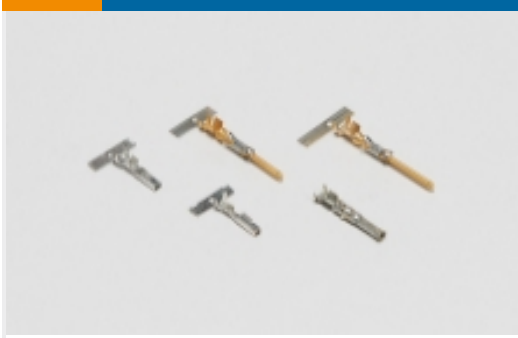
Compatible Parts

 TE Model / Part # 794058-3 MINI UMNL SOK L/P	 TE Model / Part # 770903-6 MINI UMNL PIN 22-18 AWG AU	 TE Model / Part # 770987-3 MINI UMNL PIN 22-18 AWG AU LP	 TE Model / Part # 770902-4 MINI UMNL SOCK 26-22 AWG SN
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 TE Model / Part # 1-770988-1 MINI UMNL SOK 22-18AWG LP LF	 TE Model / Part # 770835-3 MINI UMNL PIN AU	 TE Model / Part # 1-770903-1 MINI UMNL PIN 22-18 AWG AU LF	 TE Model / Part # 1-794059-0 MINI UMNL PIN L/P LF
 TE Model / Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP	 TE Model / Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP	 TE Model / Part # 770904-6 MINI UMNL SOK CONT 22-18AWG AU	 TE Model / Part # 794406-3 MINI UMNL CONT 20-16AWG AU
 TE Model / Part # 770903-3 MINI UMNL PIN 22-18 AWG AU	 TE Model / Part # 794059-1 MINI UMNL PIN L/P	 TE Model / Part # 770985-3 MINI UMNL PIN 26-22AWG AU LP	 TE Model / Part # 794058-1 MINI UMNL SOK L/P
 TE Model / Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP	 TE Model / Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP	 TE Model / Part # 770902-3 MINI UMNL SOK 26-22 AWG AU	 TE Model / Part # 1-794407-1 MINI UMNL SOK 20-16 AWG AU LF

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

 Connector Contacts(11)	 Power Contacts(85)	 Rectangular Backshells & Clamps(2)	 Rectangular Boots & Strain Relief(2)
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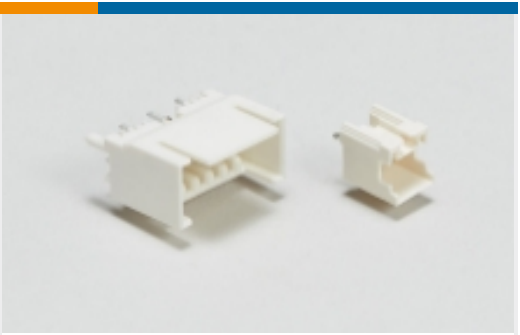
Rectangular Connector Keying Plugs(2)



Rectangular Connector Seals(18)



Rectangular Power Connectors(284)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



TE Model / Part #172340-1
MINI UMNL PLUG HOUSING 9P



TE Model / Part #172339-1
MINI UMNL PLUG HOUSING 6P



TE Model / Part #172330-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P



TE Model / Part #171822-3
EIS REC. HSG 3P-NATURAL



TE Model / Part #171822-2
EIS REC. HSG 2P-NATURAL



TE Model / Part #171822-6
EIS REC. HSG 6P-NATURAL



TE Model / Part #170262-2
EIS CONTACT



TE Model / Part #170360-1
UNIV M-N-L PIN 22-18 AWG



TE Model / Part #170361-1
UNIV M-N-L SOC. 26-22 AWG



TE Model / Part #170359-1
UNIV M-N-L PIN 26-22 AWG

Documents

Product Drawings

MINI UNIVERSAL MATE-N-LOK CAP HOUSING 6P

English

CAD Files

3D PDF

3D

3D PDF

English



Customer View Model

[ENG_CVM_172331-1_A1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_172331-1_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_172331-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172331-1_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172331-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172331-1_J.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

[1-1773458-0_MINI_UNIVERSAL_MATE_N_LOK_CONNECTOR_SYSTEM_QRG](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_172331-1_0606201879_dmtec](#)

English

[MD_172331-1_0606201879_dmtec](#)

English

Instruction Sheets

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

English

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

English

Agency Approvals

[Agency Approval Document](#)

English

[Agency Approval Document](#)



English