



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: **12**
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	12
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Layout	Matrix
Multiple Contact Types	Without
Contact Retention Within Housing	Without



Contact Type	Socket
Termination Features	
Termination Method to Wire & Cable	Crimp
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	9 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
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189
VDE Tested	No
Packaging Features	
Packaging Method	Bag



Packaging Quantity

500

Other

For Use With	Plug Housing
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Product Compliance

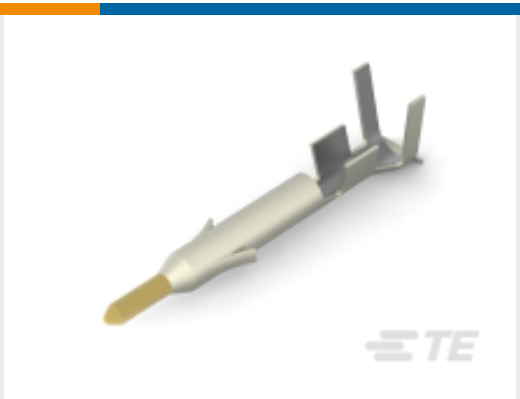
[For compliance documentation, visit the product page on TE.com>](#)

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

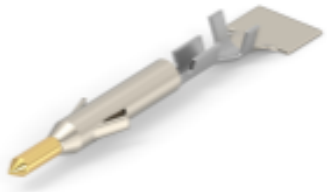
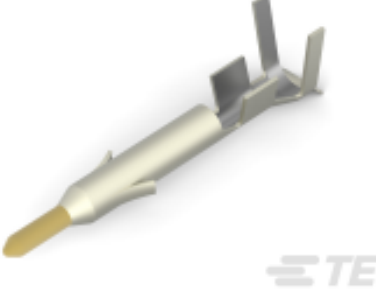
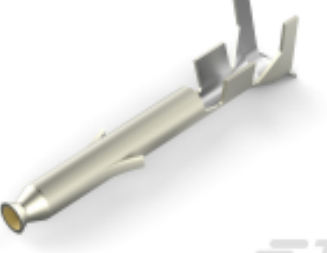
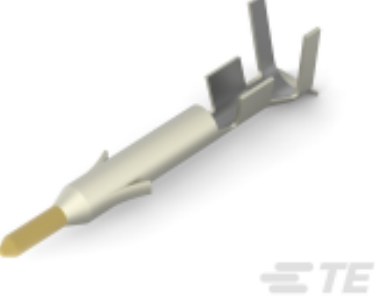
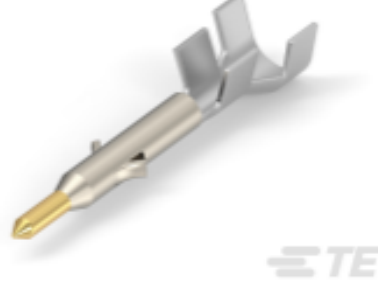
Product Compliance Disclaimer

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>

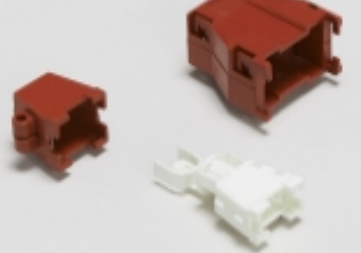
Compatible Parts

 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 # 172341-1 MINI UMNL PLUG HOUSING 12P	 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

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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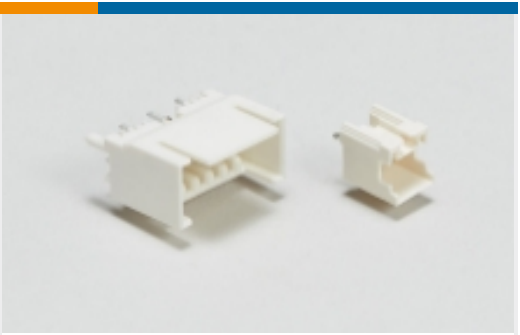
Rectangular Connector Keying Plugs(2)



Rectangular Connector Seals(18)



Rectangular Power Connectors(284)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



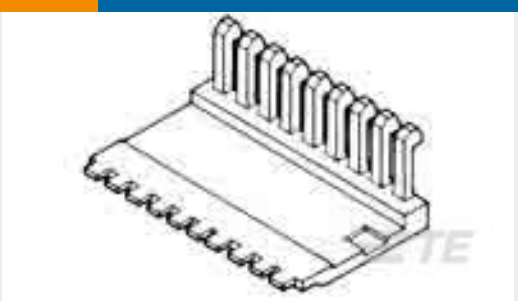
TE Model / Part #172341-1
MINI UMNL PLUG HOUSING 12P



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



TE Model / Part #172332-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 9P



TE Model / Part #102536-7
18 AMPMODU MT COVER DR .100CL



TE Model / Part #172211-3
EIS CAP HSG FREE HANG 3P NATUTURAL



TE Model / Part #172211-4
EIS CAP HSG FREE HANG 4P NATUTURAL



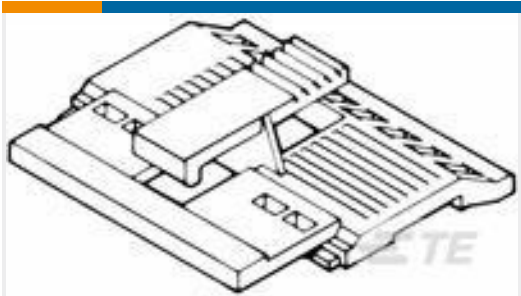
TE Model / Part #171636-1
MINI U-M-N-L PIN CONTACT



TE Model / Part #171637-1
MINI U-M-N-L SOCKET CONTACT



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



TE Model / Part #102681-4
18 AMPMODU MT COVER DR .100CL

Documents

Product Drawings

MINI UNIVERSAL M-N-L HOUSING

English

CAD Files

3D PDF

3D

3D PDF

English



Customer View Model

[ENG_CVM_172333-1_A1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_172333-1_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_172333-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172333-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172333-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172333-1_F.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

[TE Material Declaration](#)

English

Instruction Sheets

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

English

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

English

Agency Approvals

[Agency Approval Document](#)

English

[Agency Approval Document](#)

English

172333-1

Mini-Universal MATE-N-LOK, Rectangular Power Connectors, Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 12 Position, 4.2mm [.165in] Centerline

