



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: **2**

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	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Layout	Inline
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 66

Dimensions

Width	11.95 mm
Panel Thickness	.8 – 2 mm[.031 – .078 in]
Height	11.8 mm
Length	23.7 mm

Usage Conditions

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

Assembly Integration Feature	Without
Circuit Application	Power & Signal

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
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	Mini-Universal MATE-N-LOK Cap Housing
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Product Compliance

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

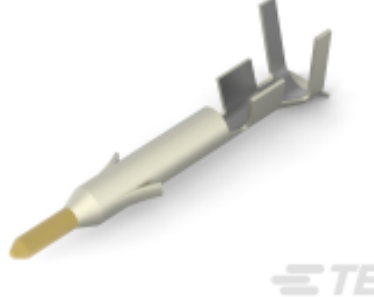
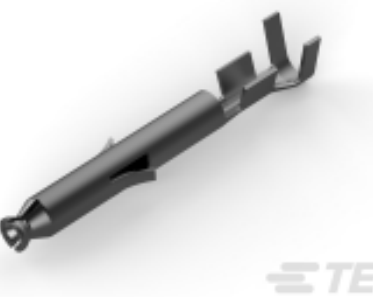
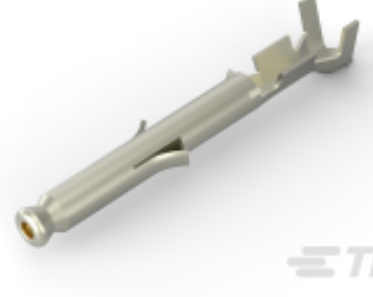
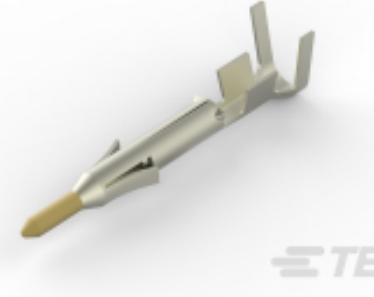
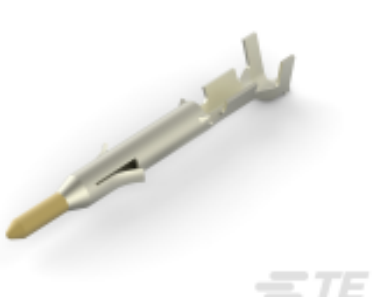
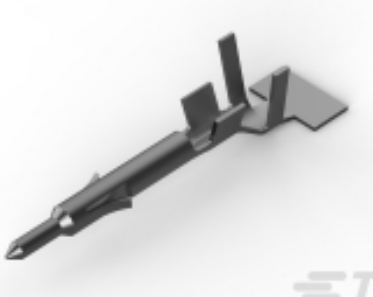
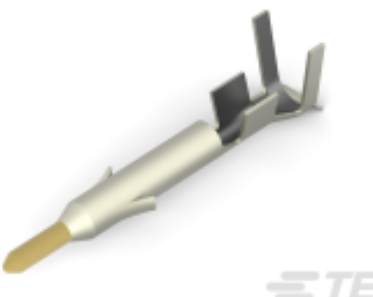
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
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

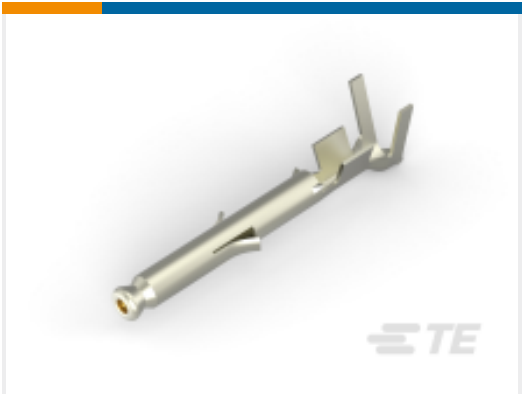
Product Compliance Disclaimer

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



 TE Model / Part # 1-770988-1 MINI UMNL SOK 22-18AWG LP LF	 TE Model / Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP	 TE Model / Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP	 TE Model / Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP
 TE Model / Part # 1-770988-0 MINI UMNL SOK 22-18AWG AU	 TE Model / Part # 1-794059-0 MINI UMNL PIN L/P LF	 TE Model / Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP	 TE Model / Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP
 TE Model / Part # 794058-1 MINI UMNL SOK L/P	 TE Model / Part # 170365-3 MINI UNIVERSAL M-N-L SOCKET LP	 TE Model / Part # 170364-3 MINI UNIVERSAL M-N-L PIN LP	 TE Model / Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP
 TE Model / Part # 1-794407-1 MINI UMNL SOK 20-16 AWG AU LF	 TE Model / Part # 170363-3 MINI UNIVERSAL M-N-L PIN LP	 TE Model / Part # 171638-1 MINI U-M-N-L PIN CONT. LP	 TE Model / Part # 770903-3 MINI UMNL PIN 22-18 AWG AU



TE Model / Part # 170366-3
MINI UNIVERSAL M-N-L SOCKET LP



TE Model / Part # 794059-1
MINI UMNL PIN L/P



TE Model / Part # 170364-1
MINI UNIVERSAL M-N-L PIN LP

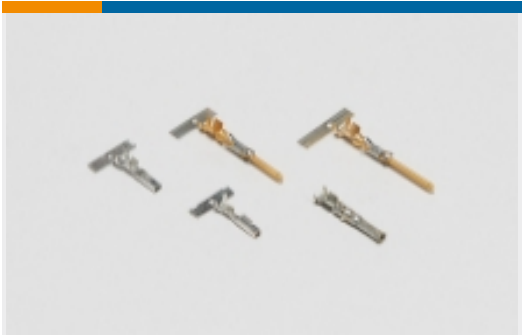


TE Model / Part # 1-770902-1
MINI UMNL SOK 26-22 AWG AU LF

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



Connector Contacts(11)



Power Contacts(85)



Rectangular Backshells & Clamps(2)



Rectangular Boots & Strain Relief(2)



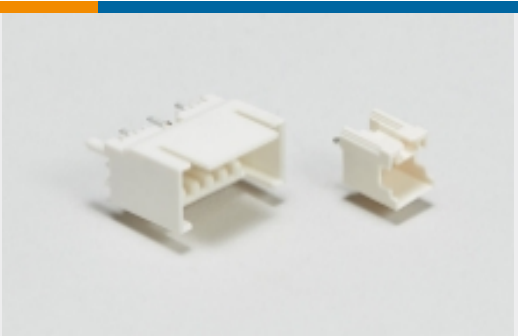
Rectangular Connector Keying Plugs(2)



Rectangular Connector Seals(18)

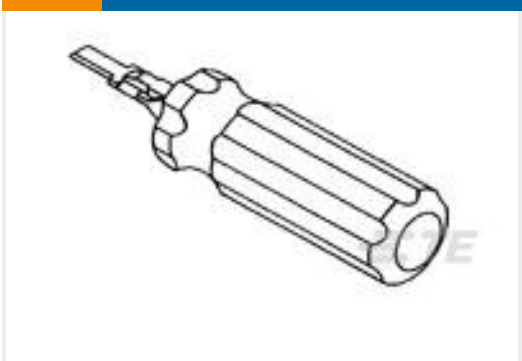


Rectangular Power Connectors(284)



Wire-to-Board Headers & Receptacles (1)

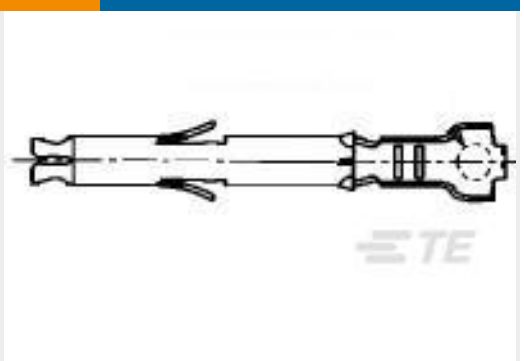
Customers Also Bought



TE Model / Part #189727-1
EXTRACTION TOOL



TE Model / Part #170364-1
MINI UNIVERSAL M-N-L PIN LP



TE Model / Part #170366-1
MINI UNIVERSAL M-N-L SOCKET LP



TE Model / Part #1-178288-3
DYNAMIC 3100 REC HSG 3P (SGL)



TE Model / Part #172159-1
4 CIR UNIV M-N-L CAP



TE Model / Part #172165-1
2 CIR UNIV M-N-L PLUG NATL



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



TE Model / Part #171822-4
EIS REC. HSG 4P-NATURAL



Documents

Product Drawings

2CIR MINI U-M-N-L CAP NATL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_172157-1_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172157-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_172157-1_K.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

1-1773458-0_MINI_UNIVERSAL_MATE_N_LOK_CONNECTOR_SYSTEM_QRG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_172157-1_06142018142_dmtec

English

MD_172157-1_06142018142_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)



English

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- Agency Approvals
 - Agency Approval Document
 - English
 - Agency Approval Document
 - English