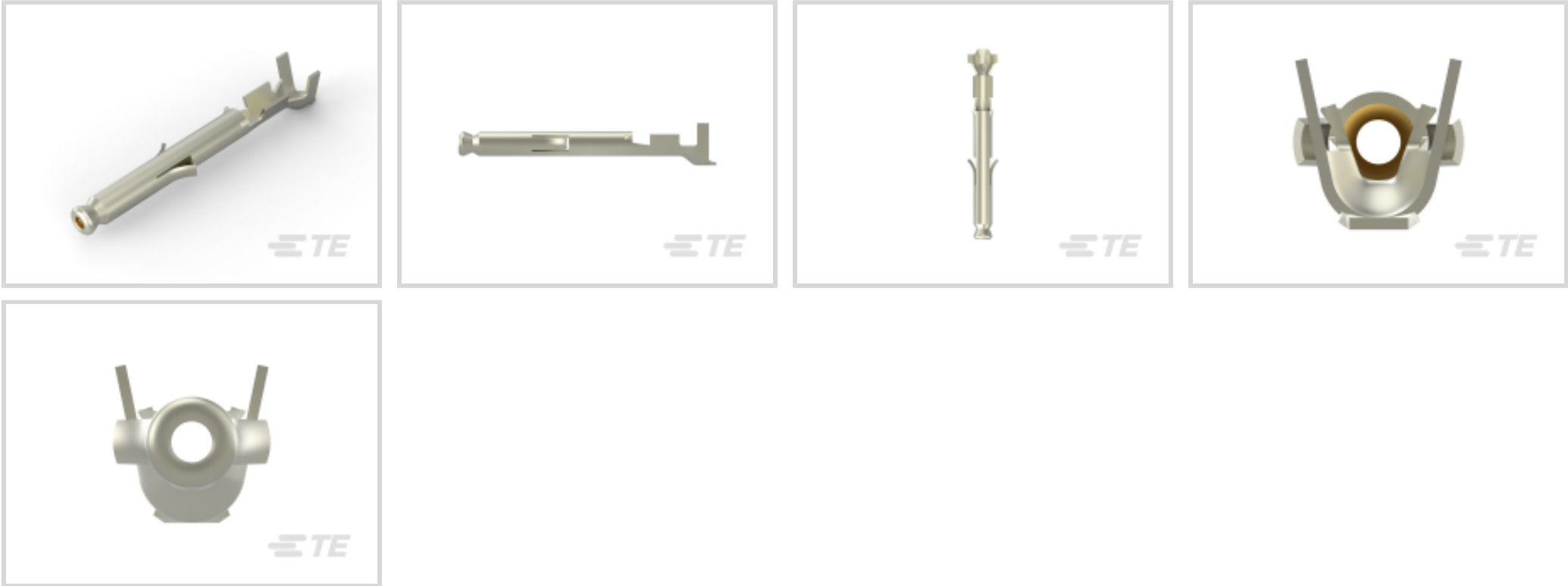




Connectors > Contacts > Connector Contacts



Contact Type: **Socket**
Contact Mating Area Plating Material: **Gold (Au)**
Wire Contact Termination Area Plating Material: **Gold**
Operating Voltage: **600 VDC**

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Underplating Material	Nickel
Contact Orientation	Straight
Mating Pin Diameter	1 mm[.039 in]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Thickness	.76 µm[30 µin]
Barrel Type	Open
Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
Wire Contact Termination Area Plating Material	Gold
Contact Retention Within Housing	With



Contact Base Material	Brass
Contact Current Rating (Max)	7 A

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Compatible Insulation Diameter Range	1.19 – 1.75 mm[.047 – .069 in]
Wire Size	.12 – .35 mm²

Usage Conditions

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

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
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Packaging Features

Packaging Quantity	300
Packaging Method	Bag

Product Compliance

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

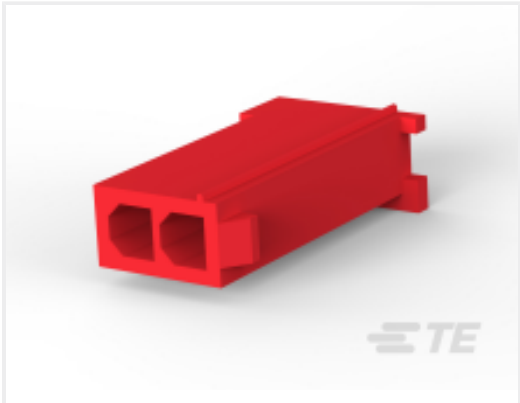
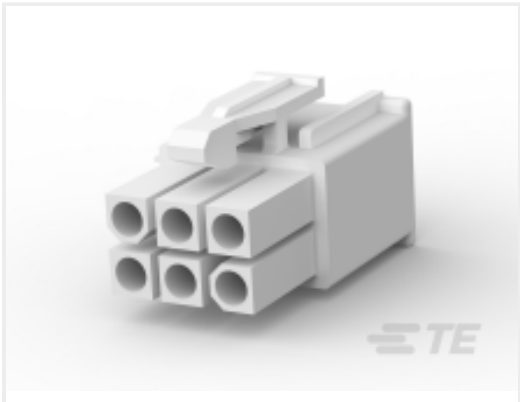
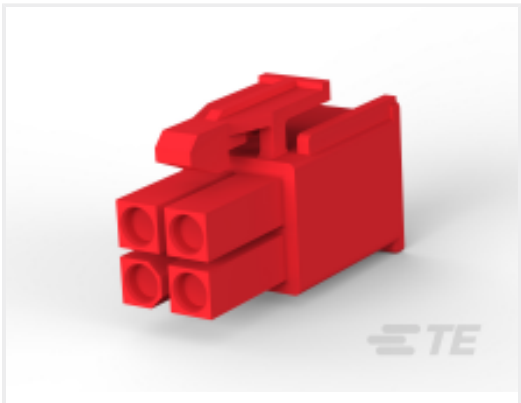
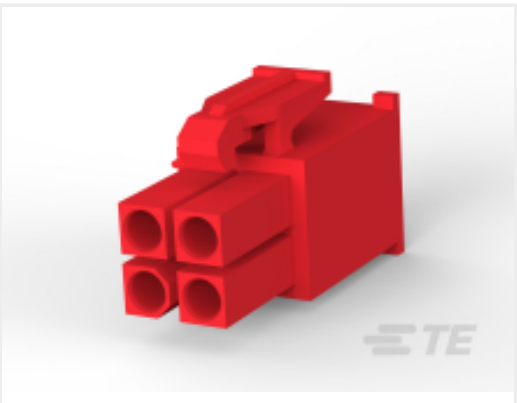
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not 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 # 1-172233-2 2 POS MINI UNIV FREE HANG RED	 TE Part # 1-172156-2 1 POS SR MINI UNIV	 TE Part # 1-172165-5 2CIR MINI U-M-N-L PLUG GREN	 TE Part # 1-172338-4 MINI U-M-N-L PLUG 4P YELLOW
 TE Part # 172168-1 6 CIR UNIV M-N-L PLUG	 TE Part # 770581-1 12P MINI UMNL PLUG HSG	 TE Part # 172234-1 3P MINI UNIVERSAL MATE-N-LOK CAP HOUSING	 TE Part # 172333-1 MINI UNIVERSAL M-N-L HOUSING
 TE Part # 1-172157-9 2CIR MINI U-M-N-L CAP BLCK	 TE Part # 1-172167-2 4 POS DR MINI UNIV	 TE Part # 1-172171-9 15 POS TR MINI UNIV	 TE Part # 1-172338-2 4CIR MINI-UMNL PLUG RED



TE Part # 1-172167-9
4 POS SR MINI UNIV



TE Part # 189727-1
EXTRACTION TOOL



TE Part # 172163-1
15 CIR UNIV M-N-L CAP



TE Part # 1-172163-9
MINI UNIVERSAL M-N-L CAP 15P



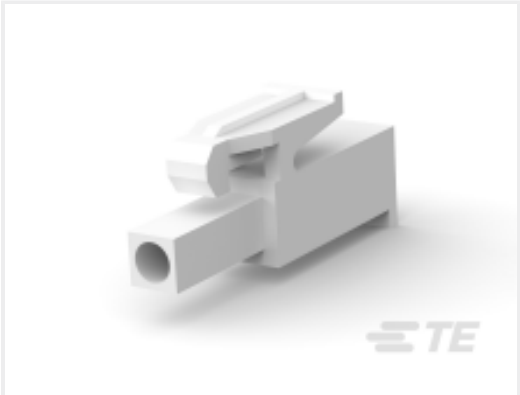
TE Part # 1-172166-2
MINI-U-M-N-L 3P PLUG RED



TE Part # 172338-1
MINI UMNL PLUG HOUSING 4P



TE Part # 172157-1
2CIR MINI U-M-N-L CAP NATL



TE Part # 172164-1
1 CIR UNIV M-N-L PLUG

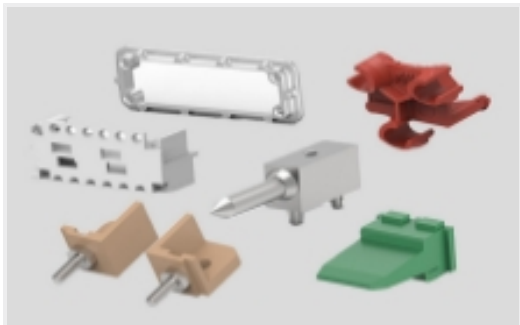
Also in the Series | Mini-Universal MATE-N-LOK



Connector Caps & Covers(2)



Connector Contacts(89)



Connector Hardware(4)



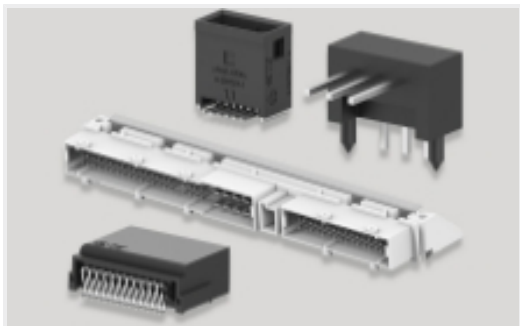
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



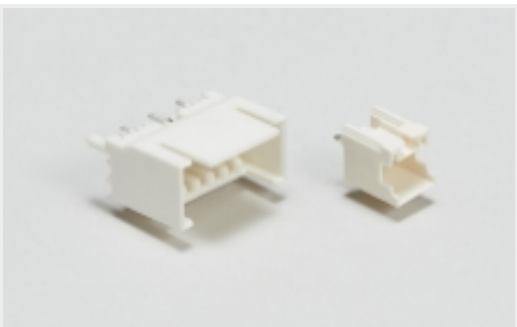
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)



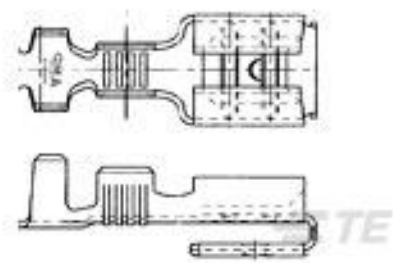
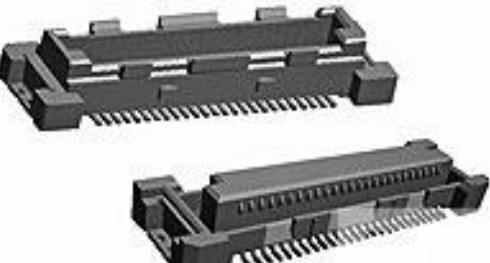
Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles (93)

Customers Also Bought



 TE Part #160739-2 250 FASTON, PIGGYBACK REC., 18-14 AWG, TPBR	 TE Part #280050-2 250 FASTON, FLAG, REC., 16-20 AWG, TPBR	 TE Part #172157-1 2 CIR MINI U-M-N-L CAP NATL	 TE Part #172167-1 4 CIR UNIV M-N-L PLUG
 TE Part #1-171822-0 EIS REC. HSG 10P-NATURAL	 TE Part #172169-1 9 CIR UNIV M-N-L PLUG	 TE Part #172165-1 2 CIR UNIV M-N-L PLUG NATL	 TE Part #5-104481-2 SHORT POINT CONT PLTD SN
 TE Part #1-5316318-0 .6FHR12H, 140, S, GIG, 08/Sn, HT, SEYes	 TE Part #172159-1 4 CIR UNIV M-N-L CAP		

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_170365-3_1_c-170365-3-1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_170365-3_1_c-170365-3-1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_170365-3_1_c-170365-3-1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Application Specification

English

Crimping of Mini-Universal MATE-N-LOK Contact

Japanese



Application Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

Japanese

Agency Approvals

UL Report

English