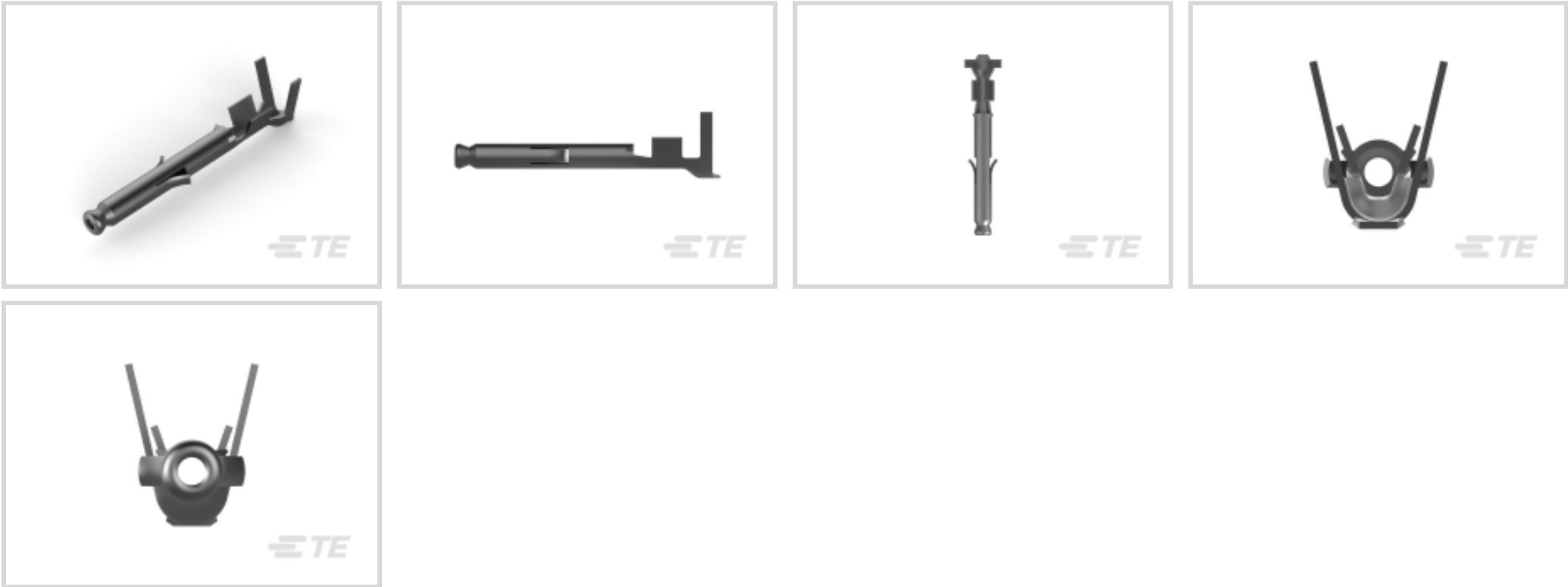




Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**
Operating Voltage: **600 VDC**
Contact Mating Area Plating Material: **Tin**
Wire Size: **22 – 18 AWG**

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Barrel Type	Open
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	7 A
Contact Type	Socket
Contact Retention Within Housing	With
Mating Pin Diameter	1 mm[.039 in]
Contact Base Material	Brass
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]



Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Wire Size	.3 – .89 mm²
Compatible Insulation Diameter Range	1.5 – 2.4 mm, 3.4 mm[.059 – .094 in][.134 in]

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

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL

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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # 91522-1
CCII MINI UNML PIN SKT 22-18 ASSY



TE Part # 90759-1
PROCRIMP TL W/DIE MIN UNIV MNL



TE Part # 189727-1
EXTRACTION TOOL



TE Part # 455830-1
INSERTION TOOL



TE Part # 770586-1
22P MINI UMNL PLUG HSG



TE Part # 770587-1
24P MINI UMNL PLUG HSG



TE Part # 770582-1
14P MINI UMNL PLUG HSG



TE Part # 770585-1
20P MINI UMNL PLUG HSG



TE Part # 172333-1
MINI UNIVERSAL M-N-L HOUSING



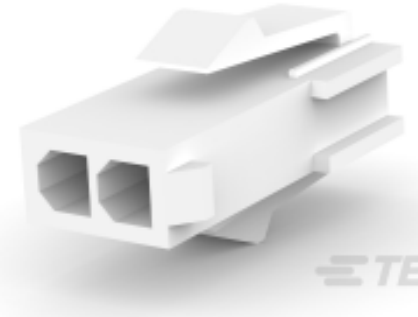
TE Part # 770581-1
12P MINI UMNL PLUG HSG



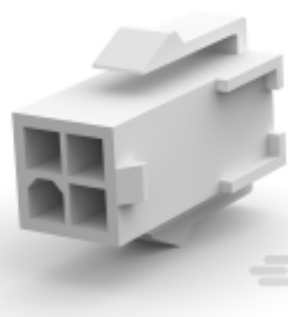
TE Part # 770580-1
10P MINI UMNL PLUG HSG



TE Part # 770584-1
18P MINI UMNL PLUG HSG



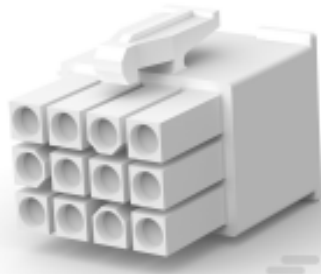
TE Part # 172328-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P



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



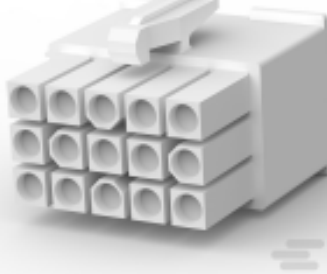
TE Part # 172344-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



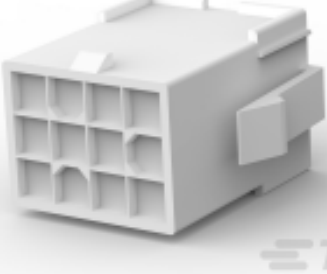
TE Part # 172170-1
12 CIR UNIV M-N-L PLUG



TE Part # 172337-1
MINI UMNL PLUG HOUSING 3P



TE Part # 172171-1
15 CIR UNIV M-N-L PLUG



TE Part # 172162-1
12 CIR UNIV M-N-L CAP

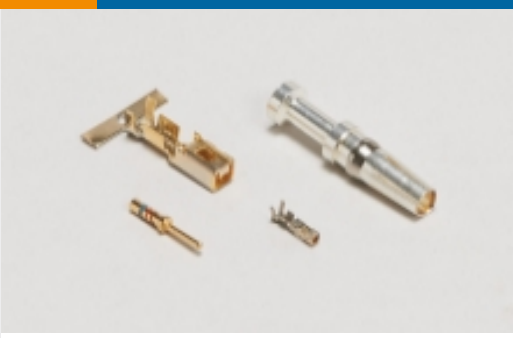


TE Part # 172338-1
MINI UMNL PLUG HOUSING 4P

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



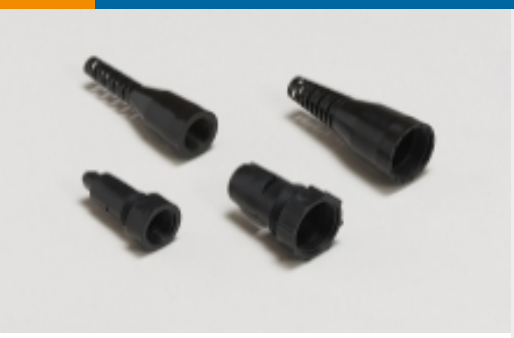
Connector Backshells(2)



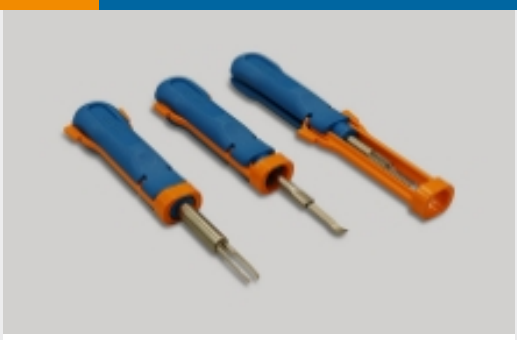
Connector Contacts(8)



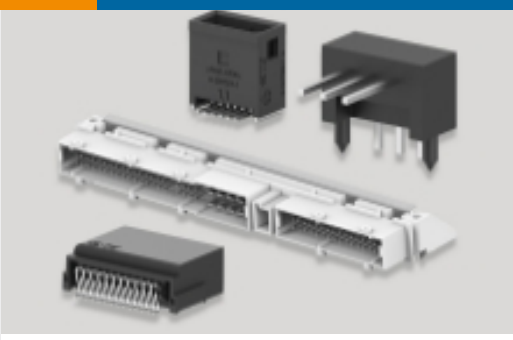
Connector Seals & Cavity Plugs(17)



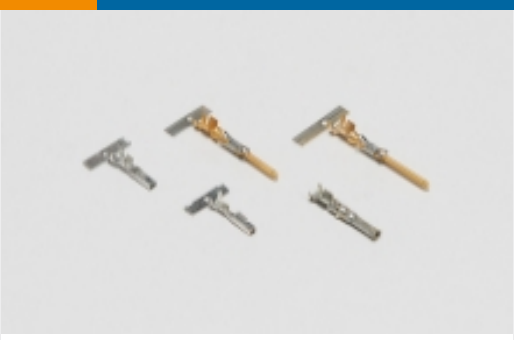
Connector Strain Relief(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Power Contacts(84)



Rectangular Connector Keying Plugs(2)



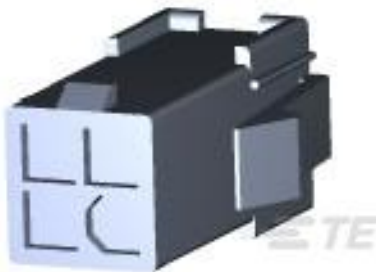
Rectangular Connector Locking(2)



Rectangular Power Connectors(244)

Customers Also Bought



 TE Part #170364-1 MINI UNIVERSAL M-N-L PIN LP	 TE Part #172158-1 3 CIR UNIV M-N-L CAP	 TE Part #172157-1 2CIR MINI U-M-N-L CAP NATL	 TE Part #172161-1 9 CIR UNIV M-N-L CAP
 TE Part #172169-1 9 CIR UNIV M-N-L PLUG	 TE Part #172159-1 4 CIR UNIV M-N-L CAP	 TE Part #172167-1 4 CIR UNIV M-N-L PLUG	 TE Part #172166-1 3 CIR UNIV M-N-L PLUG
 TE Part #172168-1 6 CIR UNIV M-N-L PLUG	 TE Part #172160-1 6 CIR UNIV M-N-L CAP		

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_170366-1_1_c-170366-1-1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_170366-1_1_c-170366-1-1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_170366-1_1_c-170366-1-1.3d_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

Product Environmental Compliance

MD_170366-1_033020181337_dmtec

English

MD_170366-1_033020181337_dmtec

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

Japanese