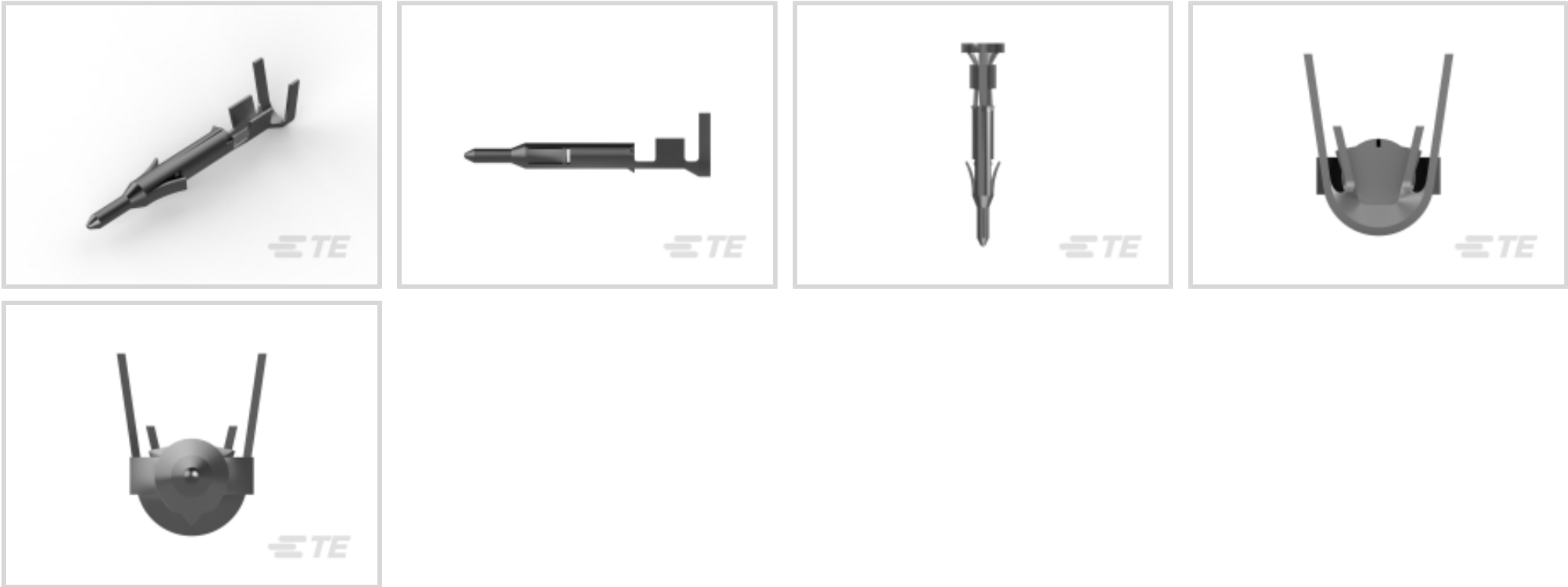




Connectors > Contacts > Connector Contacts



Contact Type: **Pin**
Contact Mating Area Plating Material: **Tin (Sn)**
Wire Contact Termination Area Plating Material: **Pre-Tin**
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 Orientation	Straight
Mating Pin Diameter	1 mm[.039 in]
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Contact Shape & Form	Round
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]
Barrel Type	Open
Contact Type	Pin
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Pre-Tin
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
Contact Retention Type Within Housing	Locking Lance
Dimensions	
Compatible Insulation Diameter Range	1.5 – 2.4 mm[.059 – .094 in]
Wire Size	.3 – .89 mm²
Usage Conditions	
Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]
Operation/Application	
Circuit Application	Power
Industry Standards	
Compatible With Agency/Standards Products	CSA, UL
UL Flammability Rating	UL 94V-0
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



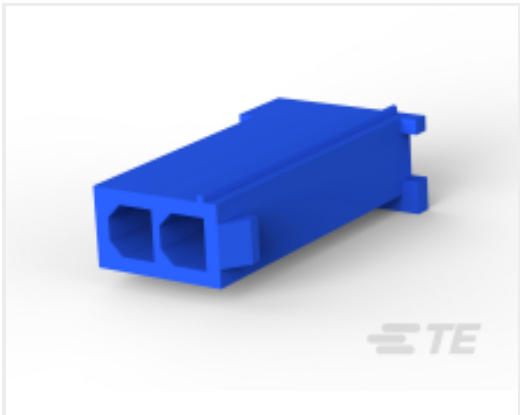
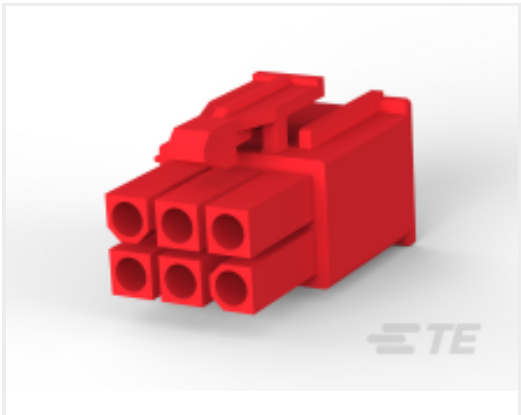
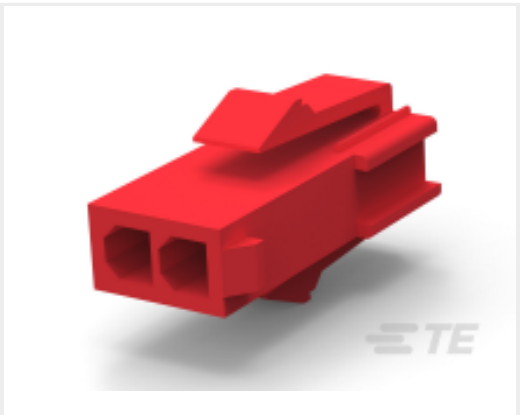
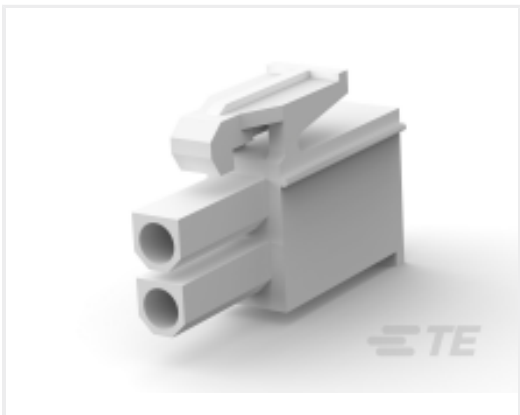
Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

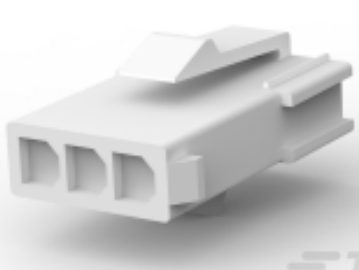
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

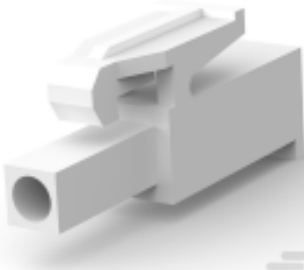
 TE Part # 1-172233-6 2 POS MINI UNIV FREE HANG BLUE	 TE Part # 172340-1 MINI UMNL PLUG HOUSING 9P	 TE Part # 2063528-1 SDE MINI UMNL 0.35-1.0mm2 ASSY	 TE Part # 172233-1 2 POS MINI UMNL CAP HOUSING
 TE Part # 172337-1 MINI UMNL PLUG HOUSING 3P	 TE Part # 1-172168-2 MINI UNIVERSAL M-N-L PLUG 6P	 TE Part # 1-172157-2 2CIR MINI U-M-N-L CAP RED	 TE Part # 770580-1 10P MINI UMNL PLUG HSG
 TE Part # 172336-1 2P MINI UMNL PLUG HOUSING	 TE Part # 770583-1 16P MINI UMNL PLUG HSG	 TE Part # 2063528-2 SDE MINI UMNL 0.35-1.0mm2 DIE SET	 TE Part # 172170-1 12 CIR UNIV M-N-L PLUG



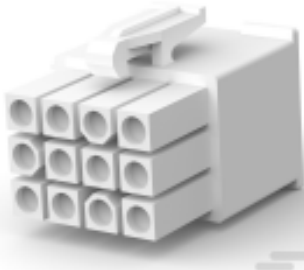
TE Part # 172161-1
9 CIR UNIV M-N-L CAP



TE Part # 172329-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



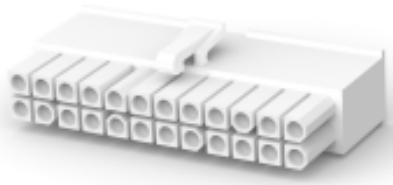
TE Part # 172335-1
MINI UMNL PLUG HOUSING 1P



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



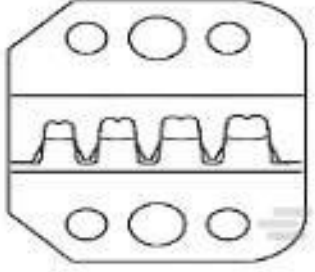
TE Part # 172159-1
4 CIR UNIV M-N-L CAP



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



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



TE Part # 90759-2
PROCrimp DIE MINI UNIV MNL

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



Connector Caps & Covers(2)



Connector Contacts(89)



Connector Hardware(4)



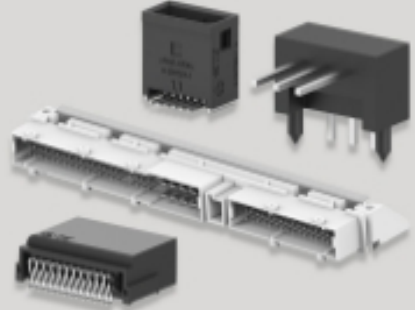
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)



Rectangular Power Connectors(196)

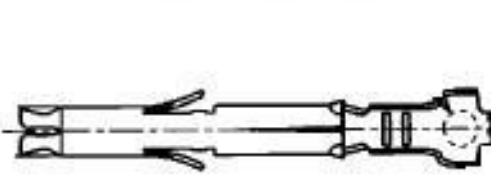


Wire-to-Board Headers & Receptacles (93)

Customers Also Bought



TE Part #172161-1
9 CIR UNIV M-N-L CAP



TE Part #170365-1
MINI UNIVERSAL M-N-L SOCKET LP



TE Part #172169-1
9 CIR UNIV M-N-L PLUG



TE Part #172160-1
6 CIR UNIV M-N-L CAP



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



TE Part #172166-1
3 CIR UNIV M-N-L PLUG



TE Part #2488965-3
RJ45 MGNT 1X1 100B-T W/O LED
PLTNG T 15



TE Part #172168-1
6 CIR UNIV M-N-L PLUG



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



TE Part #172167-1
4 CIR UNIV M-N-L PLUG

Documents

Product Drawings

MINI UNIVERSAL M-N-L PIN LP

English

CAD Files

Customer View Model

ENG_CVM_170364-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_170364-1_C.3d_stp.zip

English

Customer View Model

ENG_CVM_170364-1_C.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications



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