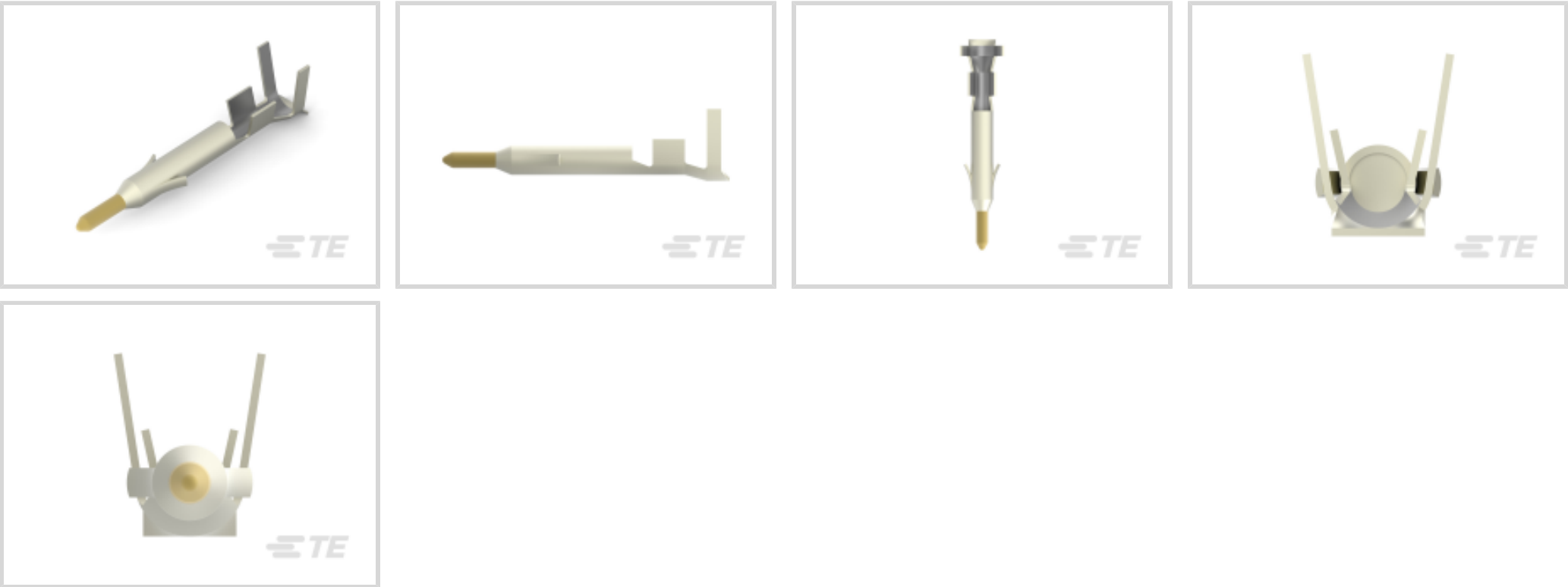




Connectors > Contacts > Connector Contacts



Contact Type: **Pin**
Contact Mating Area Plating Material: **Gold (Au)**
Wire Contact Termination Area Plating Material: **Tin-Lead**
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 Type	Pin
Contact Mating Area Plating Material	Gold (Au)
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	9.5 A
Mating Pin Diameter	1 mm[.039 in]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight



Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]

Termination Features

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

Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Wire Size	.3 – .9 mm²
Compatible Insulation Diameter Range	1.5 – 2.39 mm[.059 – .094 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 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	1000
Packaging Method	Bag

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per



homogenous material. Also BFR/CFR/PVC Free

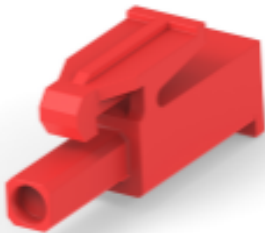
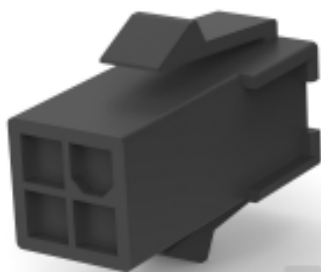
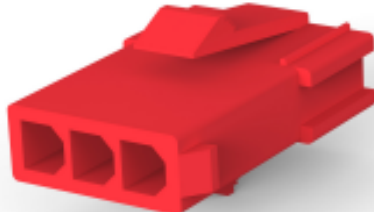
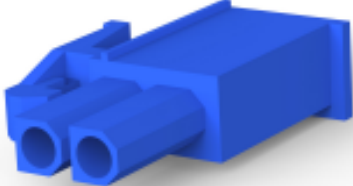
Solder Process Capability

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 # 1-172158-6 MINI-U-M-N-L 3P CAP BLUE	 TE Part # 1-172164-2 MINI UNIVERSAL M-N-L PLUG 1P	 TE Part # 2119501-1 PC F MINI-UMNL 18-22 ASSY	 TE Part # 1-172159-9 MINI UNIVERSAL M-N-L CAP 4P
 TE Part # 172343-1 MINI UNIVERSAL M-N-L HOUSING	 TE Part # 1445816-1 RECPT,11-9,FLNG MT,STD KEY	 TE Part # 1-172165-9 2CIR MINI U-M-N-L PLUG BLCK	 TE Part # 1-172158-2 MINI-U-M-N-L 3P CAP RED
 TE Part # 1-172330-9 UNIVERSAL MATE-N-LOK CAP 4P	 TE Part # 1-172165-6 2CIR MINI U-M-N-L PLUG BLUE	 TE Part # 1445522-3 REC,8-2,FRE HNG,LG INS,STD KEY	 TE Part # 1445824-3 REC,11-5,FLNG MT,LG INS,STD KE



TE Part # 1445816-3
RECPT,11-9,FLNG MT,STD KEY



TE Part # 1445389-1
REC,8-4,FREE HG,SM INS,STD KEY



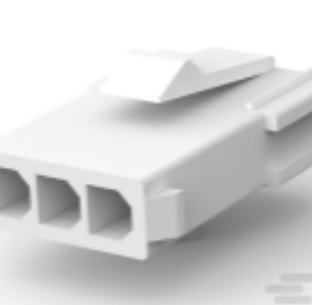
TE Part # 1445390-3
PLUG,8-4,LG INS,STD KEY



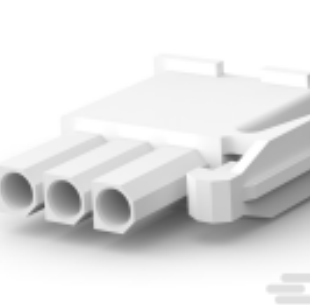
TE Part # 172332-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 9P



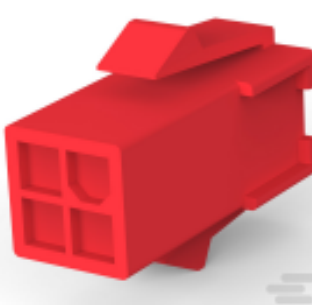
TE Part # 172344-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



TE Part # 172158-1
3 CIR UNIV M-N-L CAP



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



TE Part # 1-172159-2
MINI UNIVERSAL M-N-L CAP 4P

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



Connector Caps & Covers(2)



Connector Contacts(89)



Connector Hardware(4)



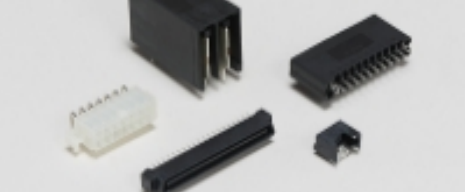
Power Contacts(89)



Rectangular Connector Housings(104)

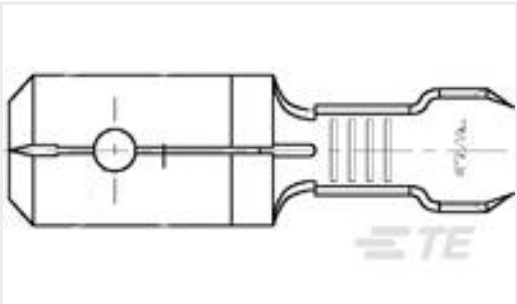


Rectangular Power Connectors(196)



Standard Rectangular Connectors(104)

Customers Also Bought



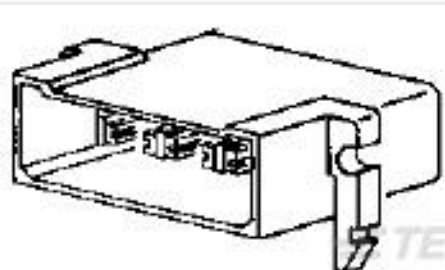
TE Part #42475-2
250 FASTON TAB 22-18 AWG TPBR



TE Part #7-66504-0
20 DF SOCKET CONT,SMALL PACK



TE Part #5-103957-7
2X8 MTE RCPT SR LATCH .100CL



TE Part #163008
FF 250 TAB HSG 8P NYLON CLEAR



TE Part #172332-1
[MINI UNIVERSAL MATE-N-LOK CAP HOUSING 9P](#)

TE Part #172340-1
[MINI UMNL PLUG HOUSING 9P](#)

TE Part #521766-1
[250 HSG. PL MKIII REC. 10mm 2P NAT](#)

TE Part #1-770988-0
[MINI UMNL SOK 22-18AWG AU](#)

TE Part #1-1757824-0
[AMPLIMITE,ASY,RCPT,STD,90,ZN,4,CT](#)

TE Part #1-160305-6
[250 FASTON,REC.,10-12 AWG,TPBR](#)

Documents

Product Drawings

[MINI UMNL PIN 22-18 AWG AU LP](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_770987-3_E.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770987-3_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770987-3_E.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

Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

770987-3

Gold (Au), Pin Contact, 22 – 18 AWG, 600 VAC, 600 VDC, .3 – .9 mm² Wire, Crimp,
Brass, Power, -55 – 105 °C [-67 – 221 °F], Mini-Universal MATE-N-LOK



English