



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 |
|--------------------|----------|

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|

Contact Features

|                                                       |                  |
|-------------------------------------------------------|------------------|
| Contact Underplating Material                         | Nickel           |
| Contact Orientation                                   | Straight         |
| Mating Pin Diameter                                   | 1 mm[.039 in]    |
| Contact Underplating Material Thickness               | 1.27 µm[50 µin]  |
| Contact Mating Area Plating Material Thickness        | .76 µm[30 µin]   |
| Wire Contact Termination Area Plating Material Finish | Bright           |
| Wire Contact Termination Area Plating Thickness       | 2.54 µm[100 µin] |
| 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 |

Termination Features

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

Mechanical Attachment

|                         |         |
|-------------------------|---------|
| Wire Insulation Support | Without |
|-------------------------|---------|

Dimensions

|                                      |                                |
|--------------------------------------|--------------------------------|
| Compatible Insulation Diameter Range | 1.19 – 1.75 mm[.047 – .069 in] |
| Wire Size                            | .12 – .4 mm²                   |

Usage Conditions

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

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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>Pb (13% in 4690948374)<br><b>Article Safe Usage Statements:</b><br>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, 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

|                                                                                                                                                   |                                                                                                                                              |                                                                                                                                                     |                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-172233-2<br/>2 POS MINI UNIV FREE HANG RED</p> |  <p>TE Part # 1-172156-2<br/>1 POS SR MINI UNIV</p>      |  <p>TE Part # 1-172165-5<br/>2CIR MINI U-M-N-L PLUG GREN</p>   |  <p>TE Part # 1-172338-4<br/>MINI U-M-N-L PLUG 4P YELLOW</p>            |
|  <p>TE Part # 1586404-1<br/>16P MINI UMNL CAP HSG SEALED</p>   |  <p>TE Part # 172168-1<br/>6 CIR UNIV M-N-L PLUG</p>     |  <p>TE Part # 770581-1<br/>12P MINI UMNL PLUG HSG</p>          |  <p>TE Part # 172234-1<br/>3P MINI UNIVERSAL MATE-N-LOK CAP HOUSING</p> |
|  <p>TE Part # 172333-1<br/>MINI UNIVERSAL M-N-L HOUSING</p>    |  <p>TE Part # 1445819-1<br/>PLUG,11-6,SM INS,STD KEY</p> |  <p>TE Part # 1445821-1<br/>REC,11-8,FLNG MT,SM INS,STD KE</p> |  <p>TE Part # 1445824-1<br/>REC,11-5,FLNG MT,SM INS,STD KE</p>          |





TE Part # 1445827-3  
REC,11-7,FRE HNG,LG INS,STD KE



TE Part # 1445818-1  
PLUG,11-7,SM INS,STD KEY



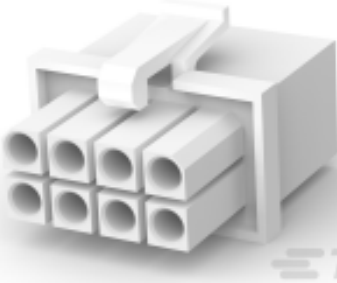
TE Part # 1445819-3  
PLUG,11-6,LG INS,STD KEY



TE Part # 1445535-1  
PLUG,8-2,LG INS,STD KEY



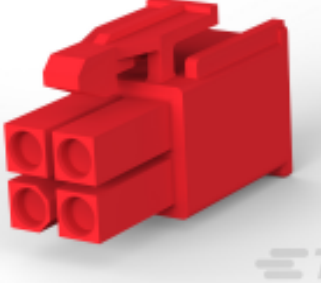
TE Part # 1445817-1  
PLUG,11-8,SM INS,STD KEY



TE Part # 794821-1  
08P MINI UMNL PLUG HSG



TE Part # 1-172157-9  
2CIR MINI U-M-N-L CAP BLCK



TE Part # 1-172167-2  
4 POS DR MINI UNIV

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



Connector Caps & Covers(2)



Connector Contacts(89)



Connector Hardware(4)



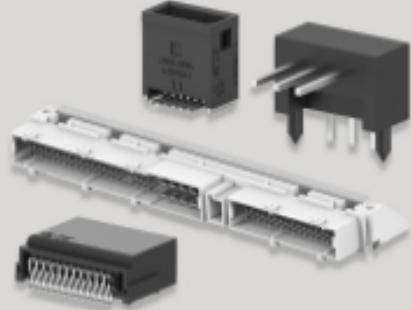
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



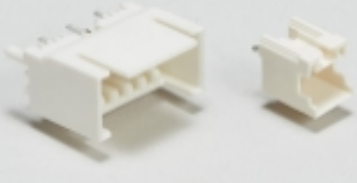
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)



Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles  
(93)

Customers Also Bought

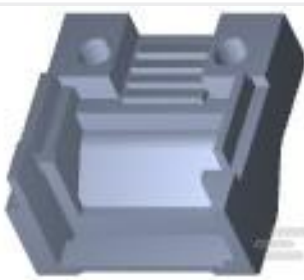




TE Part #5520250-2  
MJ,R/A,6P/4C,PNL STOPS,TRAY



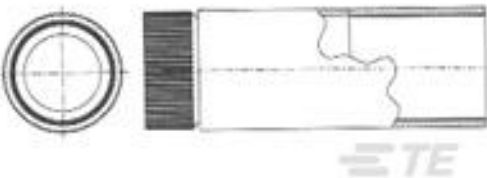
TE Part #172156-1  
1 CIR UNIV M-N-L CAP



TE Part #316454-1  
M-U-M-N-L PLUG CABLE CLAMP



TE Part #CAT-P592-R472A  
PIDG Ring Tongue Terminals



TE Part #1546997-1  
STR RLF ASSY,TUBING,SIZE 8



TE Part #1445820-3  
PLUG,11-5,LG INS,STD KEY



TE Part #66406-4  
III+ PIN,30-26,30AU/FL,LP



TE Part #5787082-9  
100 50SR R/A RCP ASSY,RDSN L/F



TE Part #1445534-3  
PLUG,8-3,LARGE INS,STD KEY

Documents

Product Drawings

MINI UMNL PIN 26-22AWG AU LP

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_770985-3\_G.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_770985-3\_G.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_770985-3\_G.3d\_stp.zip

English

3D PDF

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_770985-3\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_770985-3\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_770985-3\\_D.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

English