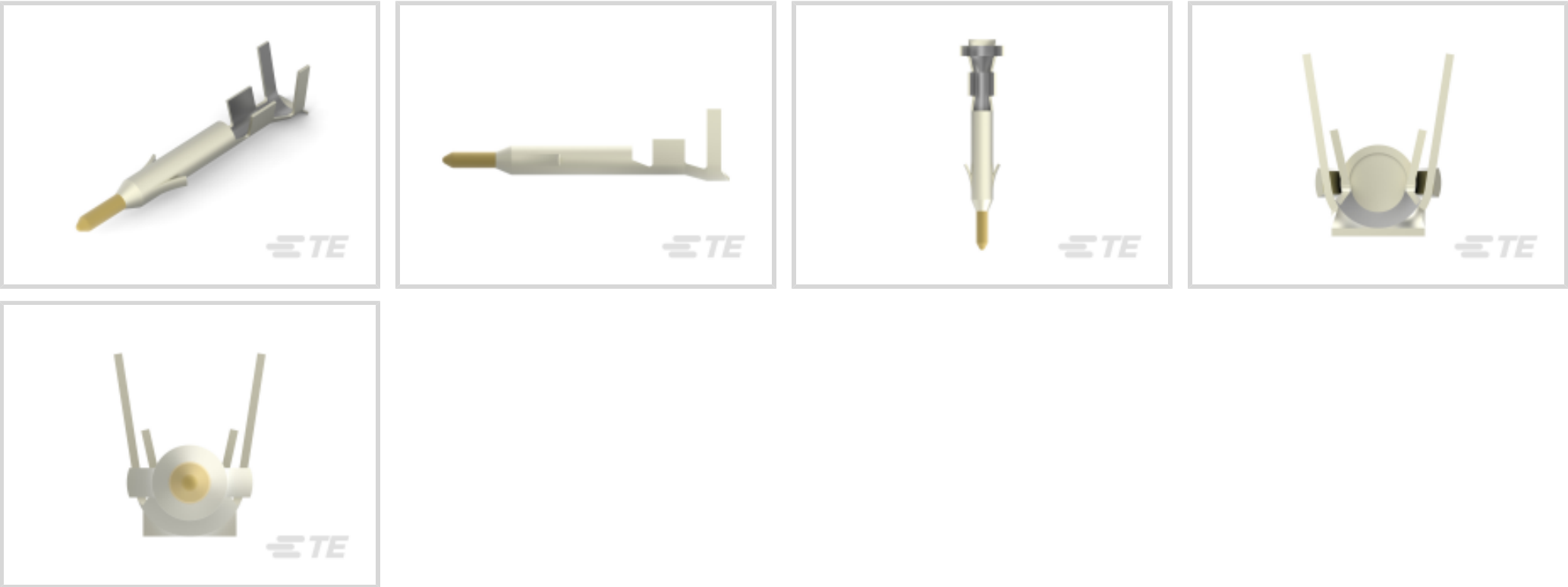




Connectors > Contacts > Connector Contacts



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 | 1.5 – 2.39 mm[.059 – .094 in] |
| Wire Size                            | .3 – .9 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 |
|-------------------------------------------|---------|

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: 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                                                                                                                                                                                                                                                                                                                                                                                |



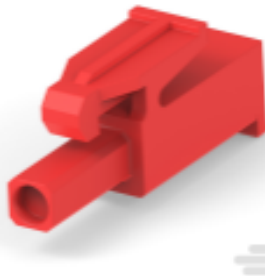
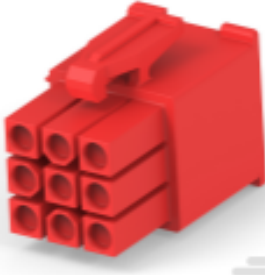
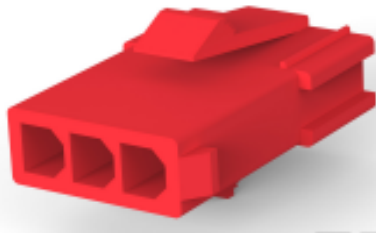
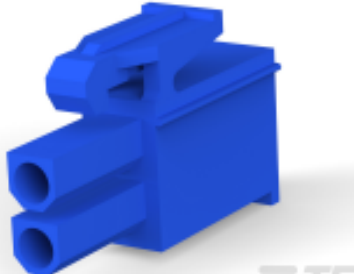
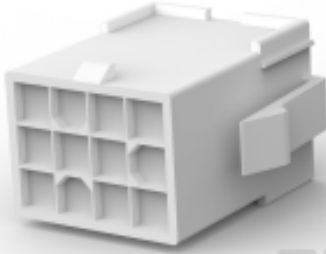
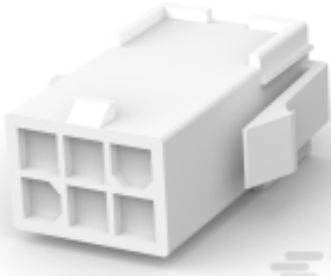
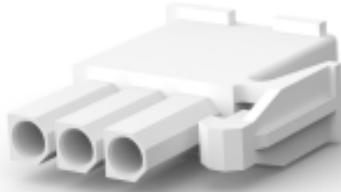
homogenous material. Also BFR/CFR/PVC Free

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 # 1-172164-2<br/>MINI UNIVERSAL M-N-L PLUG 1P</p> |  <p>TE Part # 1-172169-2<br/>MINI UNIVERSAL M-N-L PLUG 9P</p>   |  <p>TE Part # 1-172158-2<br/>MINI-U-M-N-L 3P CAP RED</p>      |  <p>TE Part # 1-172158-6<br/>MINI-U-M-N-L 3P CAP BLUE</p> |
|  <p>TE Part # 1-172336-2<br/>UNIVERSAL MATE-N-LOK PLUG 2P</p> |  <p>TE Part # 1-172330-9<br/>UNIVERSAL MATE-N-LOK CAP 4P</p>    |  <p>TE Part # 1-172336-6<br/>UNIVERSAL MATE-N-LOK PLUG 2P</p> |  <p>TE Part # 172162-1<br/>12 CIR UNIV M-N-L CAP</p>      |
|  <p>TE Part # 794940-1<br/>06P MINI UMNL CAP HSG</p>          |  <p>TE Part # 2119501-1<br/>SDE COMM. TOOL &amp; DIE (SEAL)</p> |  <p>TE Part # 1445390-3<br/>PLUG,8-4,LG INS,STD KEY</p>       |  <p>TE Part # 172166-1<br/>3 CIR UNIV M-N-L PLUG</p>      |



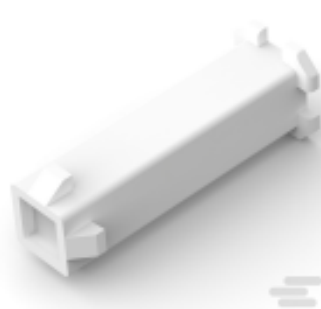
TE Part # 1445389-1  
REC,8-4,FREE HG,SM INS,STD KEY



TE Part # 1445522-3  
REC,8-2,FRE HNG,LG INS,STD KEY



TE Part # 1445828-1  
REC,11-6,FRE HNG,SM INS,STD KE



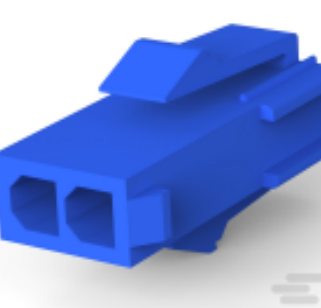
TE Part # 172327-1  
UNIV M-N-L HSG



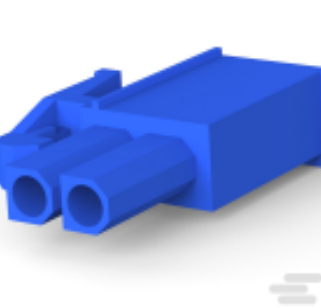
TE Part # 172332-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 9P



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



TE Part # 1-172157-6  
2CIR MINI U-M-N-L CAP BLUE



TE Part # 1-172165-6  
2CIR MINI U-M-N-L PLUG BLUE

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



Connector Caps & Covers(2)



Connector Contacts(89)



Connector Hardware(4)



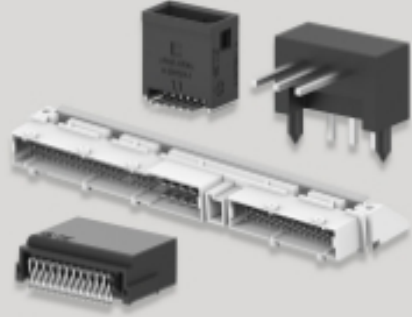
Connector Seals & Cavity Plugs(17)



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 #5748677-3  
PLTD PLST CBL CLMP KIT,SZ 3



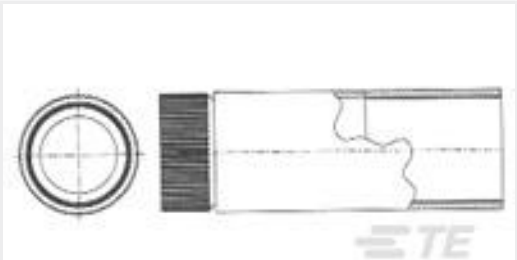
TE Part #1-770252-0  
UMNL II PIN LP 14-18



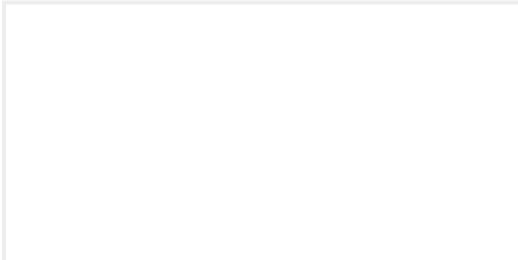
TE Part #66399-4  
III+ SKT,24-20,30AU/FL,LP



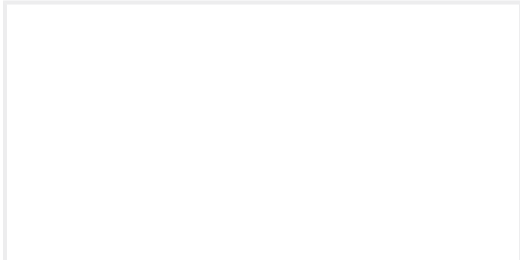
TE Part #66400-4  
III+ PIN,24-20,30AU/FL,LP



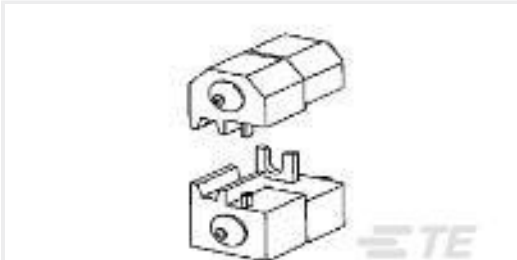
TE Part #1546997-1  
STR RLF ASSY,TUBING,SIZE 8



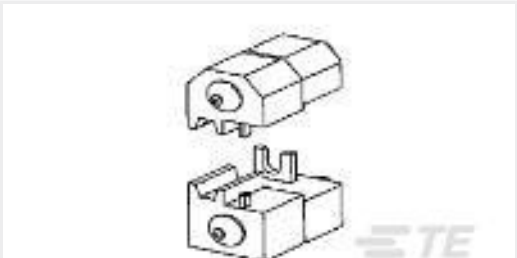
TE Part #1-21002-6  
SCREW,CAP,SOCKET,BUTTON HEAD



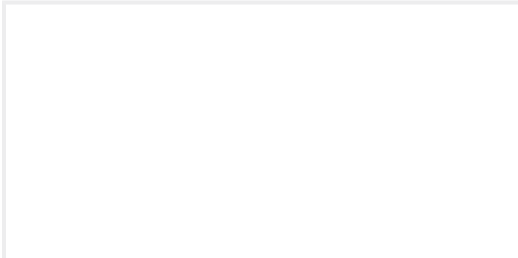
TE Part #3-306131-4  
SCREW



TE Part #576742  
SAHT PIDG PEEK STRATO 12 DIE SET



TE Part #576716  
SAHT PIDG PEEK STRATO 14 DIE SET



TE Part #1901139-1  
SPRING, TORSION

## 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.)

English