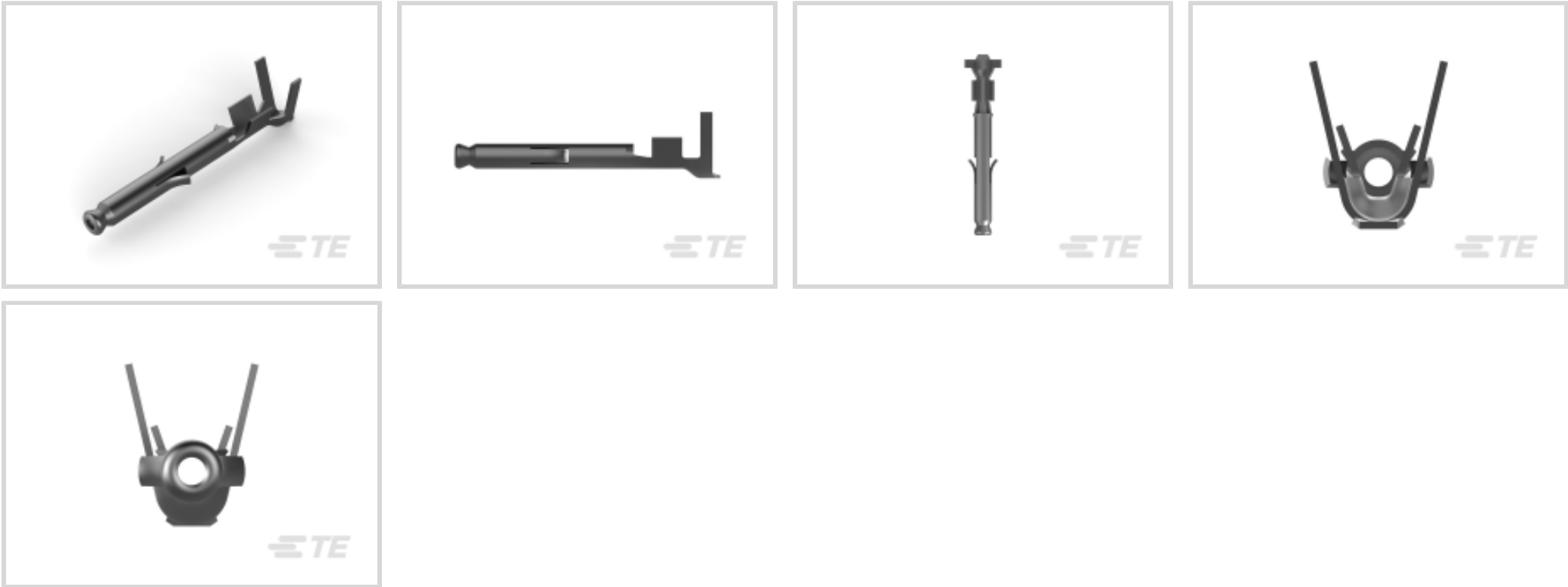




Connectors > Contacts > Connector Contacts



Contact Type: **Socket**  
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 |
|--------------------|----------|

Electrical Characteristics

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

Contact Features

|                                                       |                  |
|-------------------------------------------------------|------------------|
| Contact Orientation                                   | Straight         |
| Mating Pin Diameter                                   | 1 mm[.039 in]    |
| Contact Mating Area Plating Material Thickness        | .8 µm[31.49 µin] |
| Wire Contact Termination Area Plating Material Finish | Matte            |
| Wire Contact Termination Area Plating Thickness       | .8 µm[31.49 µin] |
| Barrel Type                                           | Open             |
| Contact Type                                          | Socket           |
| Contact Mating Area Plating Material                  | Tin (Sn)         |
| Wire Contact Termination Area Plating Material        | Pre-Tin          |
| Contact Retention Within Housing                      | With             |
| Contact Base Material                                 | Brass            |



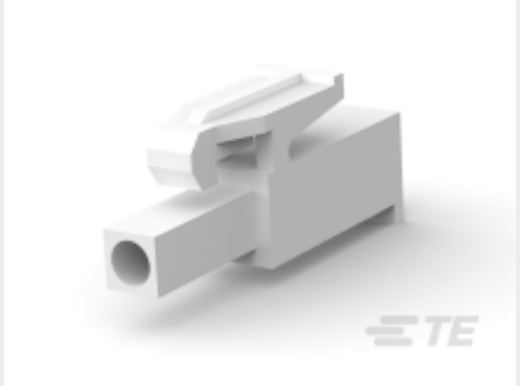
|                                                                 |                                                                                                                               |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                       |
| Dimensions                                                      |                                                                                                                               |
| Compatible Insulation Diameter Range                            | 3.4 mm[.134 in]                                                                                                               |
| Wire Size                                                       | .3 – .89 mm <sup>2</sup>                                                                                                      |
| 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                                                                                                                       |
| 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)<br>Candidate List Declared Against: JAN 2025 (247)<br>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

|                                                                                                                                                   |                                                                                                                                                             |                                                                                                                                                        |                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-172233-6<br/>2 POS MINI UNIV FREE HANG BLUE</p> |  <p>TE Part # 172340-1<br/>MINI UMNL PLUG HOUSING 9P</p>                 |  <p>TE Part # 2063528-1<br/>SDE MINI UMNL 0.35-1.0mm2 ASSY</p>     |  <p>TE Part # 172233-1<br/>2 POS MINI UMNL CAP HOUSING</p> |
|  <p>TE Part # 172337-1<br/>MINI UMNL PLUG HOUSING 3P</p>       |  <p>TE Part # 1-172168-2<br/>MINI UNIVERSAL M-N-L PLUG 6P</p>           |  <p>TE Part # 1-172157-2<br/>2CIR MINI U-M-N-L CAP RED</p>        |  <p>TE Part # 770580-1<br/>10P MINI UMNL PLUG HSG</p>     |
|  <p>TE Part # 172336-1<br/>2P MINI UMNL PLUG HOUSING</p>       |  <p>TE Part # 770583-1<br/>16P MINI UMNL PLUG HSG</p>                   |  <p>TE Part # 2063528-2<br/>SDE MINI UMNL 0.35-1.0mm2 DIE SET</p> |  <p>TE Part # 172170-1<br/>12 CIR UNIV M-N-L PLUG</p>     |
|  <p>TE Part # 172161-1<br/>9 CIR UNIV M-N-L CAP</p>            |  <p>TE Part # 172329-1<br/>MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P</p> |  <p>TE Part # 172335-1<br/>MINI UMNL PLUG HOUSING 1P</p>          |  <p>TE Part # 172341-1<br/>MINI UMNL PLUG HOUSING 12P</p> |



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

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

TE Part #172165-1  
2 CIR UNIV M-N-L PLUG NATL

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



TE Part #4-1879261-4  
RP 2B 8K25 0.1% 15PPM 1K RL

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

TE Part #172163-1  
15 CIR UNIV M-N-L CAP

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

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

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

Documents

Product Drawings

MINI UNIVERSAL M-N-L SOCKET LP

English

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

Instruction Sheets



Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

Japanese