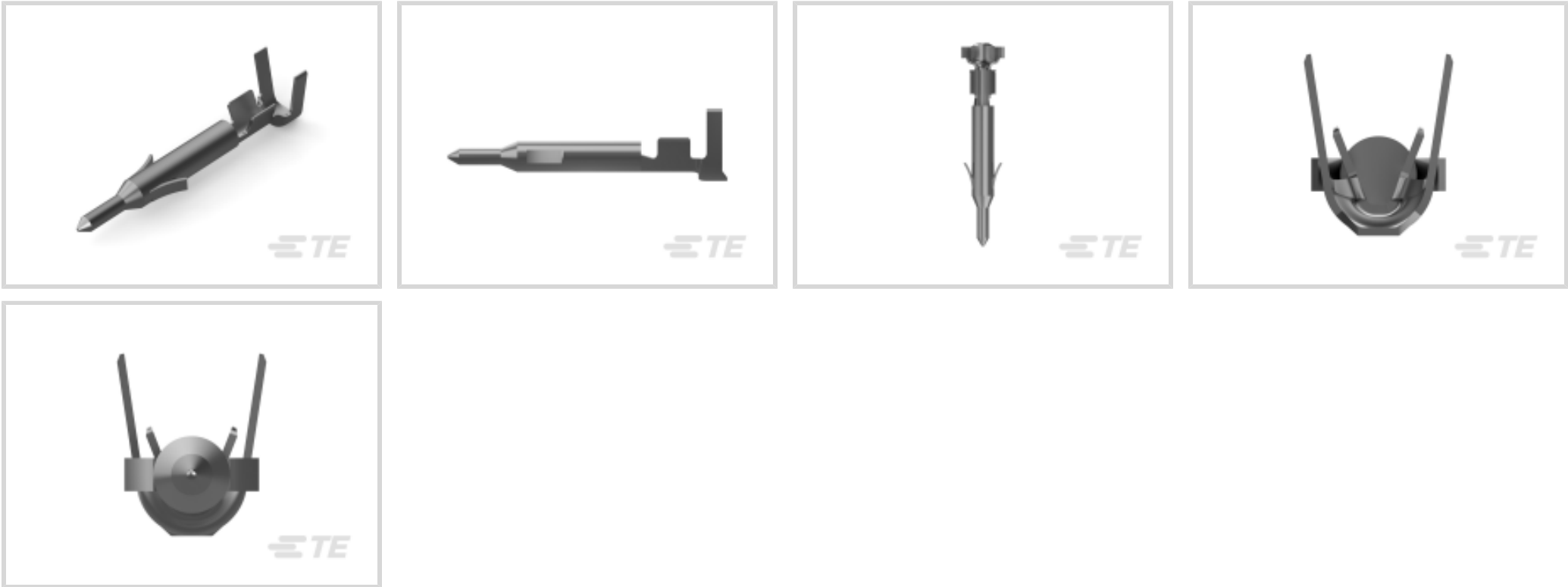




Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**  
Operating Voltage: **600 VDC**  
Contact Mating Area Plating Material: **Pre-Tin**  
Wire Size: **22 – 18 AWG**

Features

Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Power Contact Type                | Contact      |
| Connector System                  | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

Electrical Characteristics

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

Contact Features

|                                                          |                  |
|----------------------------------------------------------|------------------|
| Contact Mating Area Plating Material                     | Pre-Tin          |
| Contact Current Rating (Max)                             | 7 A              |
| Contact Type                                             | Pin              |
| Contact Retention Within Housing                         | With             |
| Mating Pin Diameter                                      | 1 mm[.039 in]    |
| Contact Base Material                                    | Brass            |
| Contact Mating Area Plating Material Thickness           | .8 µm[31.49 µin] |
| Wire Contact Termination Area Plating Material Thickness | .8 µm[31.49 µin] |
| Wire Contact Termination Area Plating Material           | Pre-Tin          |



|                                                       |             |
|-------------------------------------------------------|-------------|
| Wire Contact Termination Area Plating Material Finish | Matte       |
| Contact Orientation                                   | Straight    |
| Barrel Type                                           | Open Barrel |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Wire Insulation Support | Without                    |

Dimensions

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Wire Size                              | .3 – .89 mm <sup>2</sup>                      |
| Accepts Wire Insulation Diameter Range | 1.5 – 2.4 mm, 3.4 mm[.059 – .094 in][.134 in] |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -20 – 105 °C[-4 – 221 °F] |
|-----------------------------|---------------------------|

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

|                  |                               |
|------------------|-------------------------------|
| CSA Rating       | Certified                     |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| VDE Tested       | No                            |
| Agency/Standard  | CSA, UL                       |
| CSA File Number  | LR 7189                       |
| UL Rating        | Recognized                    |
| UL File Number   | E28476                        |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Reel |
| Packaging Quantity | 4000 |

Other

|                 |                     |
|-----------------|---------------------|
| Wire/Cable Type | Discrete Wire       |
| Wire Type       | Stranded            |
| For Use With    | Plug or Cap Housing |



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: JUN 2020 (209)<br>Candidate List Declared Against: JUN 2020 (209)<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 reviewed 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 Model / Part # 91522-1  
CERTICRIMP 2,SAHT MINI UMNL

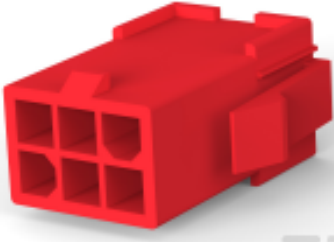
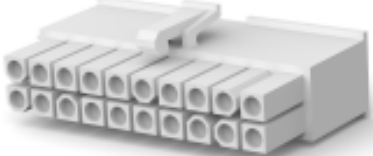
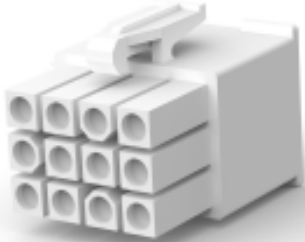
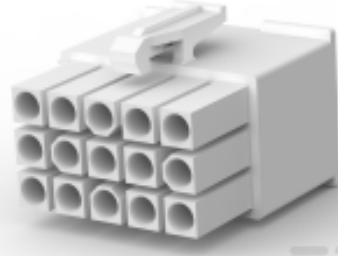
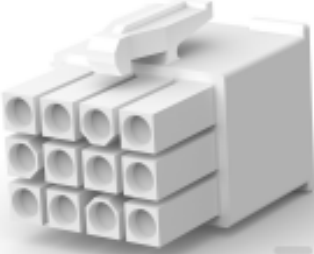
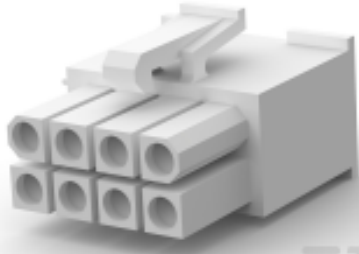
TE Model / Part # 455830-1  
INSERTION TOOL

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

TE Model / Part # 189727-1  
EXTRACTION TOOL





|                                                                                                                                                  |                                                                                                                                                |                                                                                                                                                                 |                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Model / Part # 1-172331-2<br>UNIVERSAL MATE-N-LOK CAP 6P | <br>TE Model / Part # 770587-1<br>24P MINI UMNL PLUG HSG      | <br>TE Model / Part # 172335-1<br>MINI UMNL PLUG HOUSING 1P                  | <br>TE Model / Part # 770586-1<br>22P MINI UMNL PLUG HSG          |
| <br>TE Model / Part # 770585-1<br>20P MINI UMNL PLUG HSG        | <br>TE Model / Part # 172341-1<br>MINI UMNL PLUG HOUSING 12P  | <br>TE Model / Part # 770582-1<br>14P MINI UMNL PLUG HSG                     | <br>TE Model / Part # 172334-1<br>MINI UMNL CAP HOUSING 15P       |
| <br>TE Model / Part # 770581-1<br>12P MINI UMNL PLUG HSG      | <br>TE Model / Part # 172340-1<br>MINI UMNL PLUG HOUSING 9P | <br>TE Model / Part # 770580-1<br>10P MINI UMNL PLUG HSG                   | <br>TE Model / Part # 172342-1<br>MINI UMNL PLUG HOUSING 15P    |
| <br>TE Model / Part # 172170-1<br>12 CIR UNIV M-N-L PLUG      | <br>TE Model / Part # 770579-1<br>08P MINI UMNL PLUG HSG    | <br>TE Model / Part # 172329-1<br>MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P | <br>TE Model / Part # 1-172165-9<br>2CIR MINI U-M-N-L PLUG BLCK |

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

|                                                                                                               |                                                                                                           |                                                                                                                             |                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <br>Connector Contacts(11) | <br>Power Contacts(85) | <br>Rectangular Backshells & Clamps(2) | <br>Rectangular Boots & Strain Relief(2) |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|





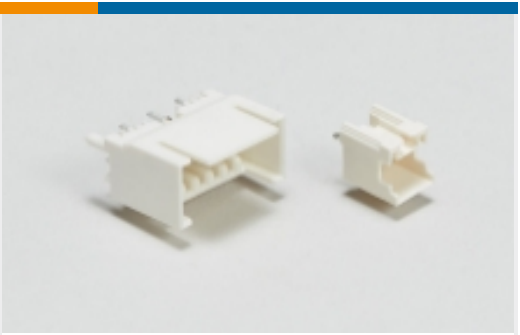
Rectangular Connector Keying Plugs(2)



Rectangular Connector Seals(18)



Rectangular Power Connectors(284)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



TE Model / Part #179228-3  
AMP COMMON TERMINATION  
HOUSINGS



TE Model / Part #179227-1  
AMP COMMON TERMINATION  
CONTACTS



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



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



TE Model / Part #171822-3  
EIS REC. HSG 3P-NATURAL



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



TE Model / Part #170262-1  
EIS CONTACT



TE Model / Part #170361-1  
UNIV M-N-L SOC. 26-22 AWG



TE Model / Part #170362-1  
UNIV M-N-L SOC. 22-18 AWG



TE Model / Part #170359-1  
UNIV M-N-L PIN 26-22 AWG

Documents

Product Drawings

UNIV M-N-L PIN 22-18 AWG

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_170360-1\_H.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_170360-1\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_170360-1\\_H.3d\\_stp.zip](#)

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

Product Environmental Compliance

MD\_170360-1\_1213201890\_dmtec

English

MD\_170360-1\_1213201890\_dmtec

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

MINI UNIVERSAL MATE-N-LOK CONNECTOR

English

Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

Japanese