



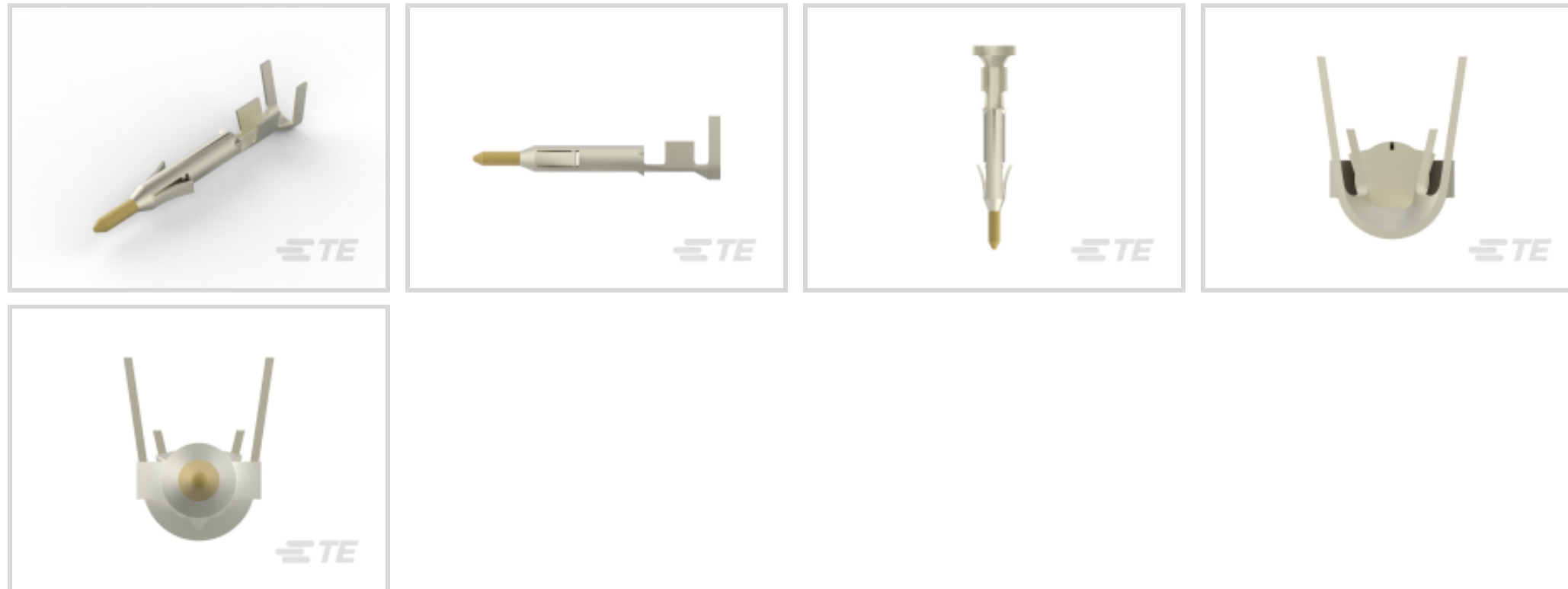
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 170364-3

Pin Contact, Gold (Au), 600 VAC, 600 VDC, Locking Lance Contact Retention, 22 – 18 AWG, .3 – .89 mm<sup>2</sup> Wire, Crimp, Brass, Mini-Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold (Au)**

Wire Contact Termination Area Plating Material: **Nickel**

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 Mating Area Plating Material Thickness        | .76 µm [30 µin] |
| Wire Contact Termination Area Plating Material Finish | Matte           |
| Contact Shape & Form                                  | Round           |
| Wire Contact Termination Area Plating Thickness       | .76 µm [30 µin] |
| Barrel Type   | Open            |
| Contact Type  | Pin             |
| Contact Mating Area Plating Material                  | Gold (Au)       |
| Wire Contact Termination Area Plating Material        | Nickel          |



|                                  |       |
|----------------------------------|-------|
| 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       |
| Contact Retention Type Within Housing | Locking Lance |

#### 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  |
| UL Flammability Rating                    | UL 94V-0 |

#### 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



TE Part # 1-172164-2  
MINI UNIVERSAL M-N-L PLUG 1P



TE Part # 1-172169-2  
MINI UNIVERSAL M-N-L PLUG 9P



TE Part # 1-172158-2  
MINI-U-M-N-L 3P CAP RED



TE Part # 1-172158-6  
MINI-U-M-N-L 3P CAP BLUE



TE Part # 1-172336-2  
UNIVERSAL MATE-N-LOK PLUG 2P



TE Part # 1-172330-9  
UNIVERSAL MATE-N-LOK CAP 4P



TE Part # 1-172336-6  
UNIVERSAL MATE-N-LOK PLUG 2P



TE Part # 172162-1  
12 CIR UNIV M-N-L CAP



TE Part # 2119501-1  
SDE COMM. TOOL & DIE (SEAL)



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



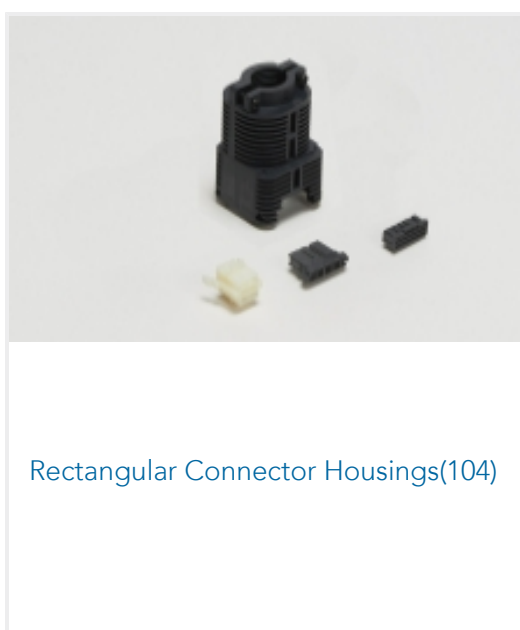
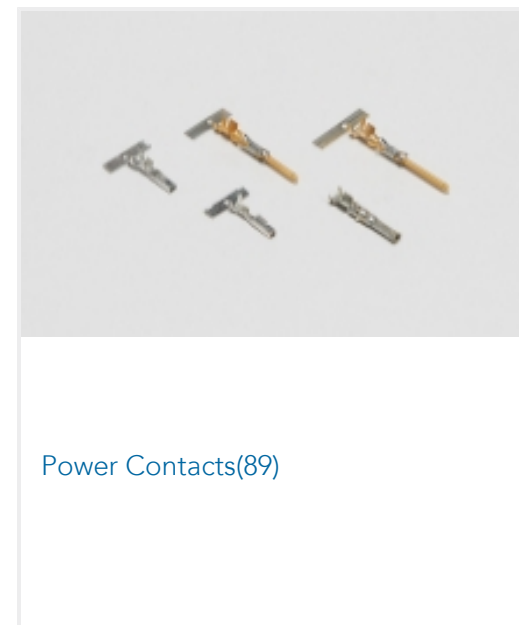
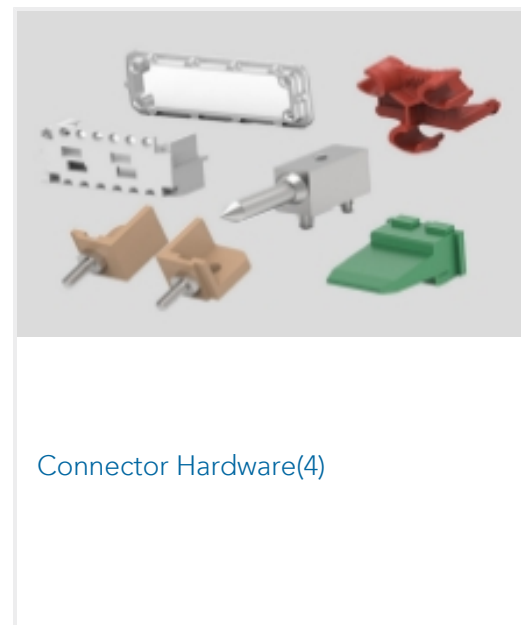
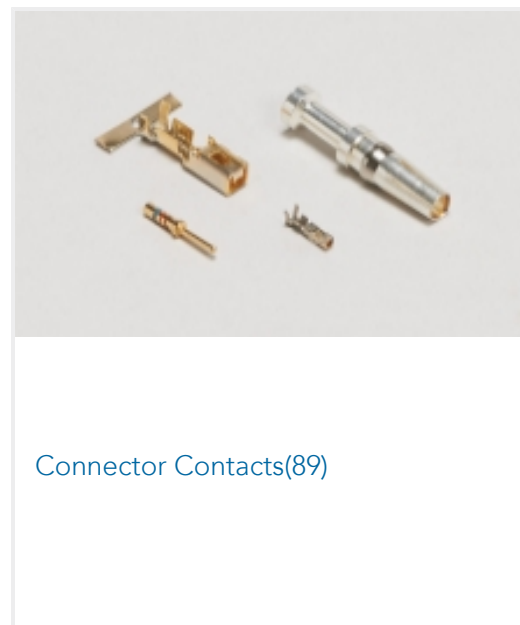
TE Part # 172327-1  
UNIV M-N-L HSG



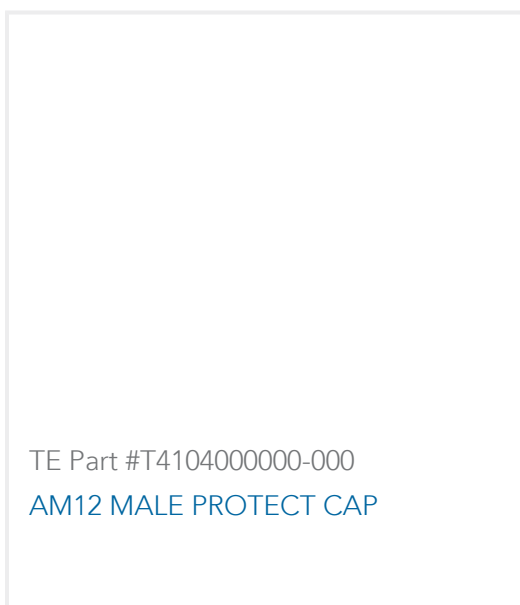
TE Part # 172332-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 9P



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



### Customers Also Bought





## Documents

### Product Drawings

#### MINI UNIVERSAL M-N-L PIN LP

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_170364-3\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_170364-3\\_C.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_170364-3\\_C.2d\\_dxf.zip](#)

English

### 3D PDF

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

### Instruction Sheets

#### Instruction Sheet (non U.S.)

Japanese

170364-3

Pin Contact, Gold (Au), 600 VAC, 600 VDC, Locking Lance Contact Retention, 22 – 18 AWG, .3 – .89 mm<sup>2</sup> Wire, Crimp, Brass, Mini-Universal MATE-N-LOK



## Mini-Universal MATE-N-LOK Connector

Japanese