



MATE-N-LOK

| Mini-Universal MATE-N-LOK, Mini Circular Plastic Connectors

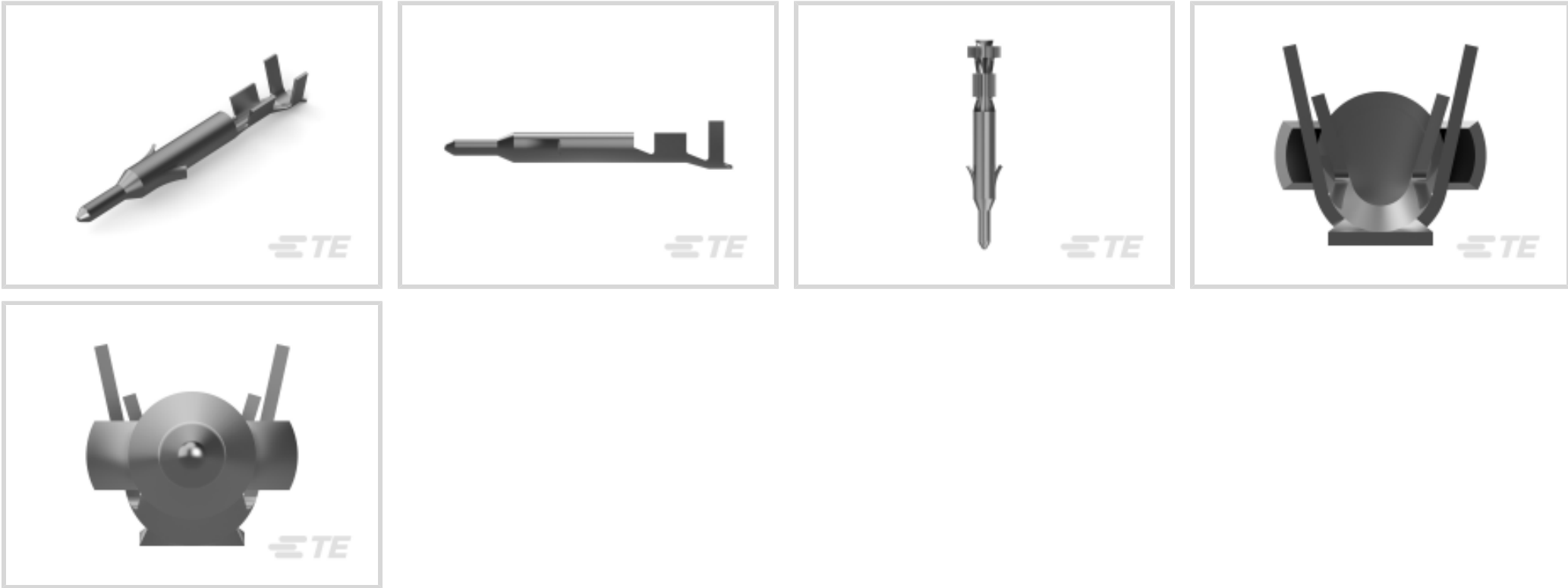
TE Internal #: 770901-1

Pin Contact, Tin (Sn), 600 VAC, 600 VDC, 26 – 22 AWG, .12 – .4 mm²

Wire, Crimp, Brass, Power, -55 – 105 °C [-67 – 221 °F], Mini-Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: Pin

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]    |
| Wire Contact Termination Area Plating Material Finish | Bright           |
| Wire Contact Termination Area Plating Thickness       | .4 µm[15.74 µin] |
| Contact Type                                          | Pin              |
| 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) | 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 mm <sup>2</sup>       |

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 | 7000 |
| Packaging Method   | Reel |

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 # 1-172233-2<br>2 POS MINI UNIV FREE HANG RED      | TE Part # 1-172156-2<br>1 POS SR MINI UNIV                   | TE Part # 1-172165-5<br>2CIR MINI U-M-N-L PLUG GREN            | TE Part # 1-172338-4<br>MINI U-M-N-L PLUG 4P YELLOW          |
|                                                            |                                                              |                                                                |                                                              |
| TE Part # 1586404-1<br>16P MINI UMNL CAP HSG SEALED        | TE Part # 172168-1<br>6 CIR UNIV M-N-L PLUG                  | TE Part # 770581-1<br>12P MINI UMNL PLUG HSG                   | TE Part # 5-2837923-1<br>OCEAN-2.0-APPLICATOR-S-048F080F-RSM |
|                                                            |                                                              |                                                                |                                                              |
| TE Part # 2837923-2<br>OCEAN-2.0-APPLICATOR-S-048F080F-RSA | TE Part # 5-2837923-2<br>OCEAN-2.0-APPLICATOR-S-048F080F-RSA | TE Part # 172234-1<br>3P MINI UNIVERSAL MATE-N-LOK CAP HOUSING | TE Part # 172333-1<br>MINI UNIVERSAL M-N-L HOUSING           |
|                                                            |                                                              |                                                                |                                                              |
| TE Part # 1445819-1<br>PLUG,11-6,SM INS,STD KEY            | TE Part # 1445821-1<br>REC,11-8,FLNG MT,SM INS,STD KE        | TE Part # 1445824-1<br>REC,11-5,FLNG MT,SM INS,STD KE          | TE Part # 1445827-3<br>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

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

Connector Caps & Covers(2)

Connector Contacts(20)

Connector Hardware(4)

Power Contacts(20)

Rectangular Connector Housings(104)

Rectangular Power Connectors(196)

Standard Rectangular Connectors(104)

Also in the Series | Mini Circular Plastic Connectors

Circular Power Connectors(40)

Connector Contacts(20)

Power Contacts(20)

Customers Also Bought

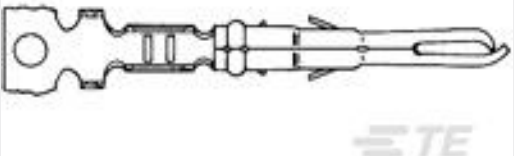




TE Part #1586359-6  
06P MINIUMNL GANG WIRE SEAL DR



TE Part #87499-5  
03 MODIV HSG SR MRKD .100CL



TE Part #350969-1  
MR GRND PIN 26-18 PTPPHBZ



TE Part #794895-1  
6 CIR MINI UMNL RND WIRE HOLES



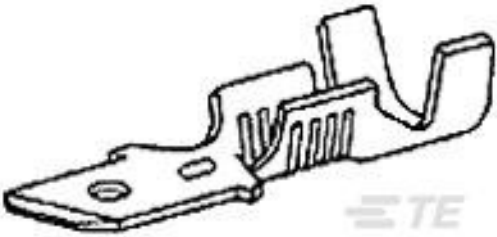
TE Part #62057-7  
250 FASTON FLAG REC 12-10 AWG SPBZ



TE Part #1-338095-2  
MICRO-MATCH COSIHSG



TE Part #41472  
RING TERMINAL 20-16 AWG TPBR



TE Part #42490-4  
187 FASTON TAB 22-18 AWG BR



TE Part #794772-6  
06P MINI UMNL SEAL,DIE CUT



TE Part #354266-1  
SPRING, EXTENSION

Documents

Product Drawings

MINI UMNL PIN 26-22 AWG SN

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_770901-1\_P.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_770901-1\_P.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_770901-1\_P.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



AMP Circular Connectors for Commercial Signal & Power Applications Continued

English

SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English