



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

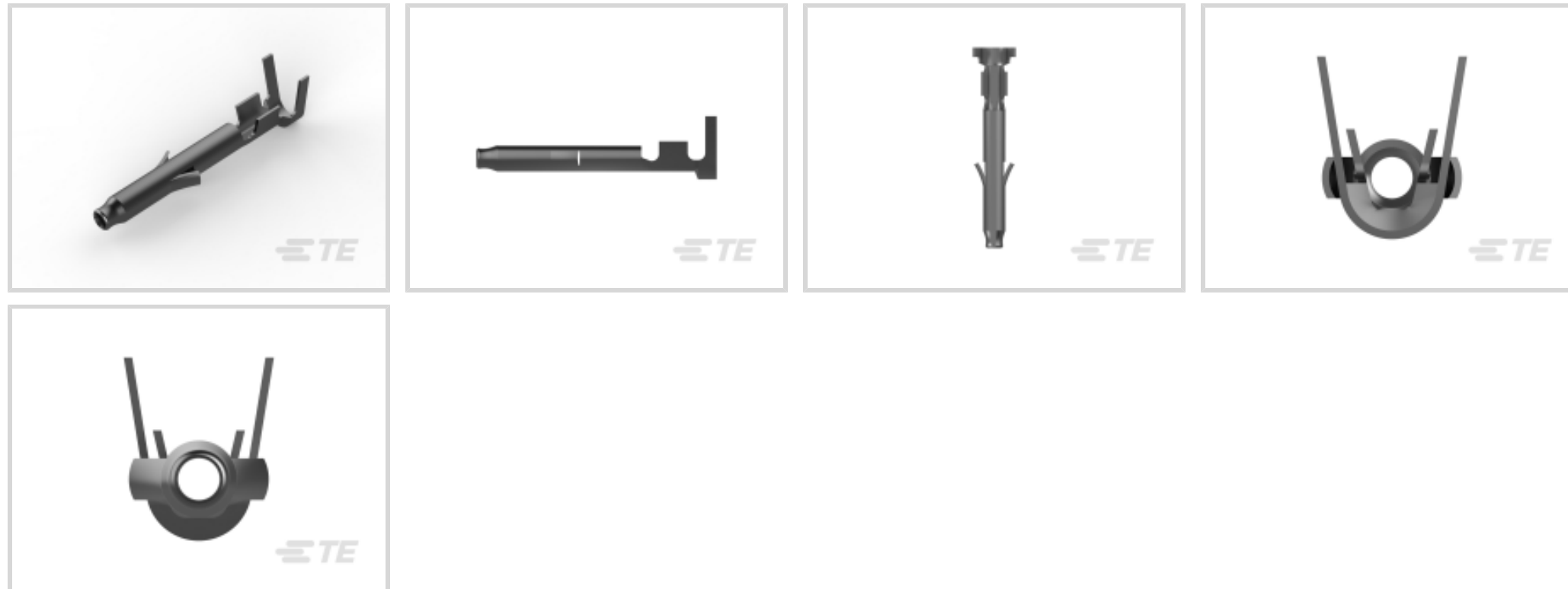
TE Internal #: 170362-4

Power Contacts, Contact, 600 VAC, 600 VDC, Tin, 22 – 18 AWG

Wire Size, .3 – .89 mm² Wire Size, Wire & Cable, Crimp, Power, Mini-Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **22 – 18 AWG**

Features

Product Type Features

| | |
|------------------------------------|--------------|
| Compatible With Discrete Wire Type | Stranded |
| Power Contact Type | Contact |
| Connector & Contact Terminates To | Wire & Cable |

Electrical Characteristics

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

Contact Features

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

Termination Features

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

Mechanical Attachment

| | |
|-------------------------|---------|
| Wire Insulation Support | Without |
|-------------------------|---------|

Dimensions

| | |
|--------------------------------------|---|
| Wire Size | .3 – .89 mm ² |
| Compatible 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, LR 7189 |
| UL Rating | Recognized |
| Agency/Standard | CSA, UL |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 4000 |
| 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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # 91522-1
CCII MINI UNML PIN SKT 22-18 ASSY



TE Part # 455830-1
INSERTION TOOL



TE Part # 770586-1
22P MINI UMNL PLUG HSG



TE Part # 770587-1
24P MINI UMNL PLUG HSG



TE Part # 770582-1
14P MINI UMNL PLUG HSG



TE Part # 770585-1
20P MINI UMNL PLUG HSG



TE Part # 172333-1
MINI UNIVERSAL M-N-L HOUSING



TE Part # 770581-1
12P MINI UMNL PLUG HSG



TE Part # 770580-1
10P MINI UMNL PLUG HSG



TE Part # 770584-1
18P MINI UMNL PLUG HSG



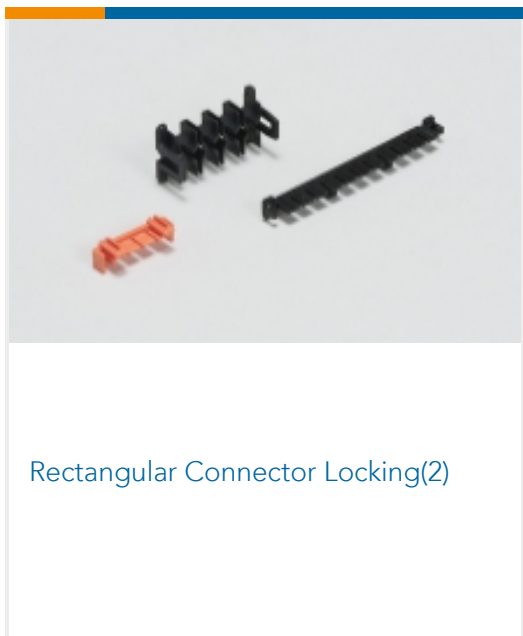
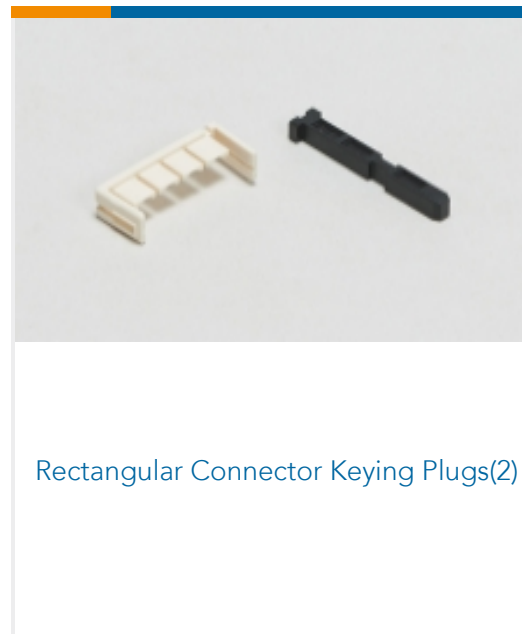
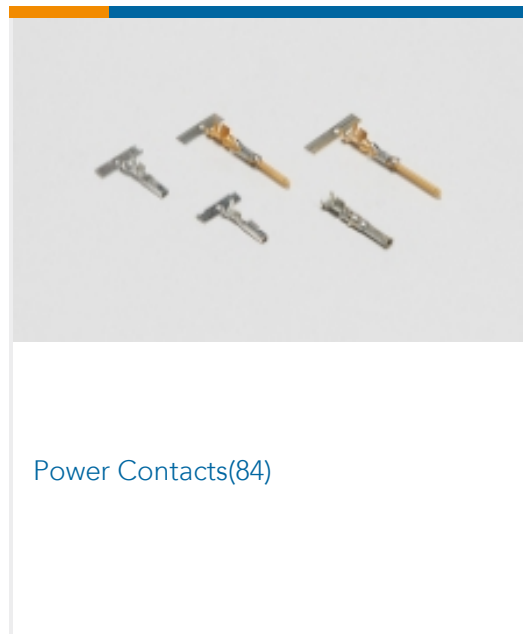
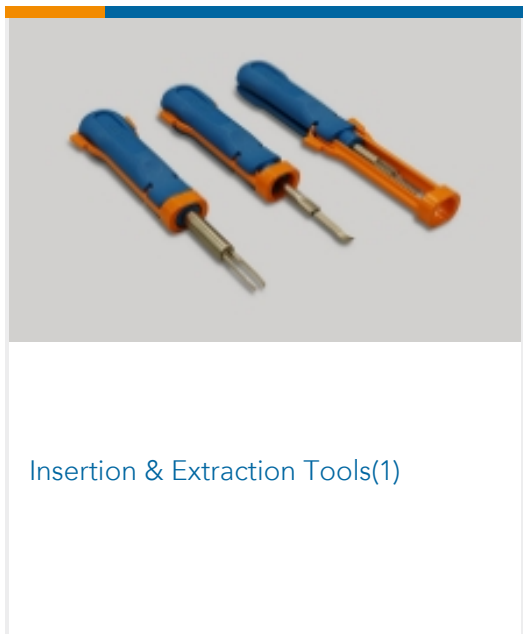
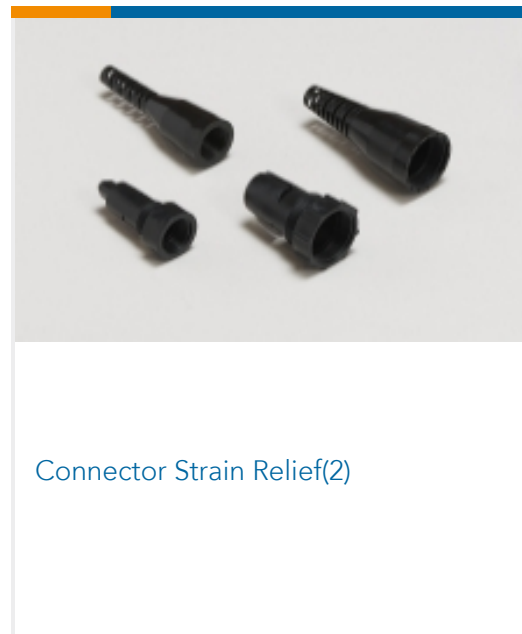
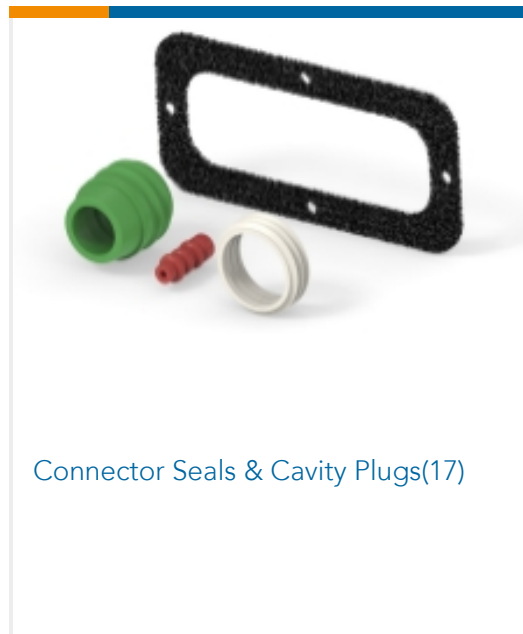
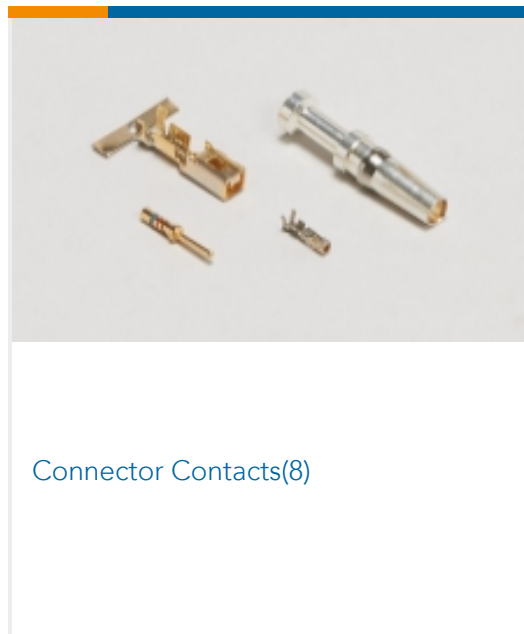
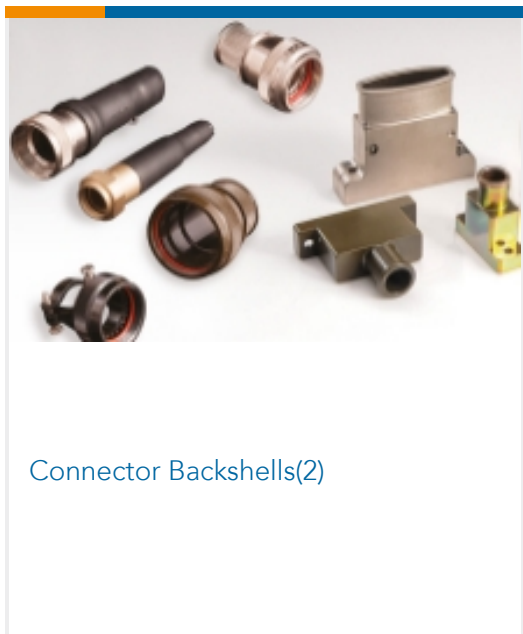
TE Part # 172328-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P



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



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



Customers Also Bought



Documents

Product Drawings

MINI UNIVERSAL M-N-L SOCKET

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_170362-4_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_170362-4_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_170362-4_N.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](#)

[Product Compliance](#)

English

[Product Compliance](#)

English

[Instruction Sheets](#)

[Instruction Sheet \(non U.S.\)](#)

Japanese

[Mini-Universal MATE-N-LOK Connector](#)

Japanese