

172328-1 ✓ ACTIVE

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

TE Internal #: 172328-1

Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 2 Position, 4.2 mm [.165 in] Centerline, Mini-Universal MATE-N-LOK, Rectangular Power Connectors

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Panel, Wire-to-Wire**

## Features

### Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

### Product Type Features

|                                   |                             |
|-----------------------------------|-----------------------------|
| Rectangular Power Connector Type  | Housing                     |
| Connector & Housing Type          | Receptacle                  |
| Connector System                  | Wire-to-Panel, Wire-to-Wire |
| Sealable                          | No                          |
| Connector & Contact Terminates To | Wire & Cable                |

### Configuration Features

|                            |   |
|----------------------------|---|
| Number of Positions        | 2 |
| Number of Power Positions  | 0 |
| Number of Signal Positions | 0 |
| Number of Rows             | 1 |

### Electrical Characteristics



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

### Contact Features

|                        |         |
|------------------------|---------|
| Multiple Contact Types | Without |
|------------------------|---------|

|                |        |
|----------------|--------|
| Contact Layout | Inline |
|----------------|--------|

|                                  |         |
|----------------------------------|---------|
| Contact Retention Within Housing | Without |
|----------------------------------|---------|

|              |     |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

### Termination Features

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

### Mechanical Attachment

|                     |      |
|---------------------|------|
| Panel Mount Feature | With |
|---------------------|------|

|                          |               |
|--------------------------|---------------|
| Panel Mount Feature Type | Mounting Ears |
|--------------------------|---------------|

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
|-------------------------|-------------|

### Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 4.2 mm [.165 in] |
|--------------------|------------------|

|               |         |
|---------------|---------|
| Housing Color | Natural |
|---------------|---------|

|                  |           |
|------------------|-----------|
| Housing Material | Nylon 6/6 |
|------------------|-----------|

### Dimensions

|                               |                            |
|-------------------------------|----------------------------|
| Panel Thickness (Recommended) | .8 – 2 mm [.031 – .078 in] |
|-------------------------------|----------------------------|

### Usage Conditions

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

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Industry Standards

|                                           |         |
|-------------------------------------------|---------|
| Compatible With Agency/Standards Products | UL, CSA |
|-------------------------------------------|---------|

|           |            |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

|                                             |           |
|---------------------------------------------|-----------|
| Compatible With Approved Standards Products | UL E28476 |
|---------------------------------------------|-----------|

|            |                    |
|------------|--------------------|
| CSA Rating | LR 7189, Certified |
|------------|--------------------|

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-2 |
|------------------------|----------|

|                  |                               |
|------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
|------------------|-------------------------------|

### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 500 |
|--------------------|-----|



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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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

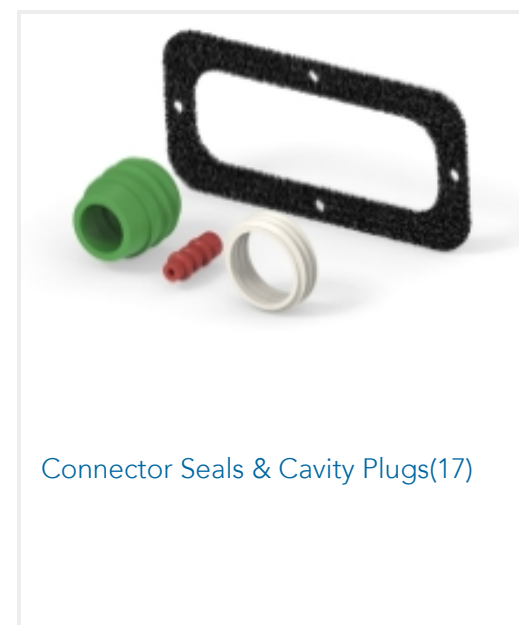
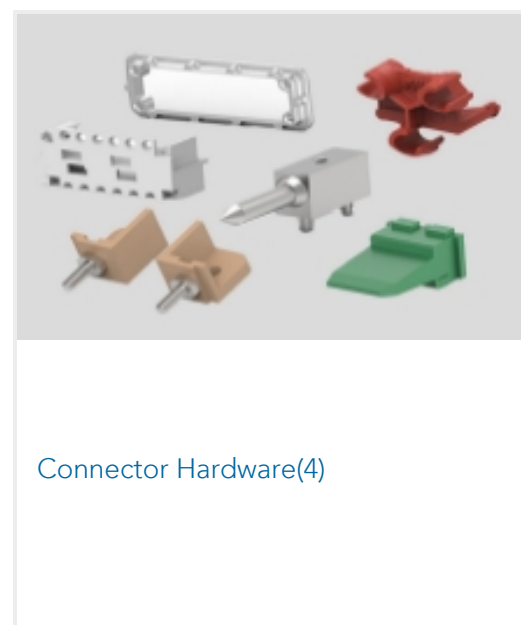
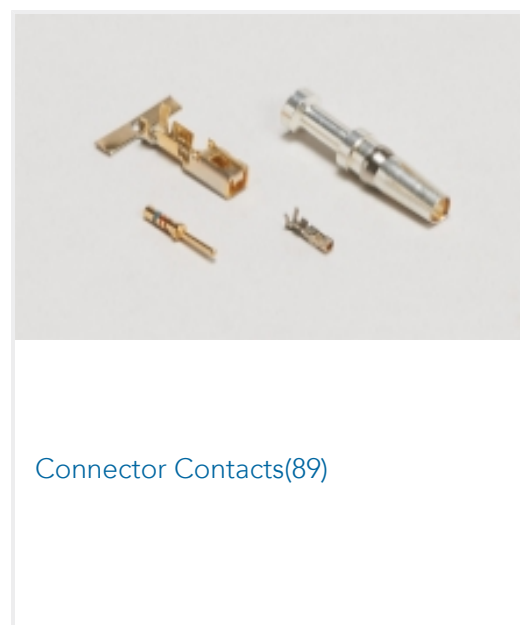
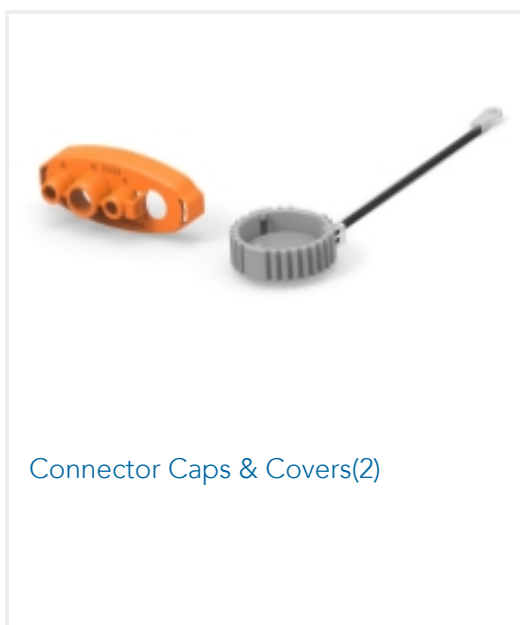
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



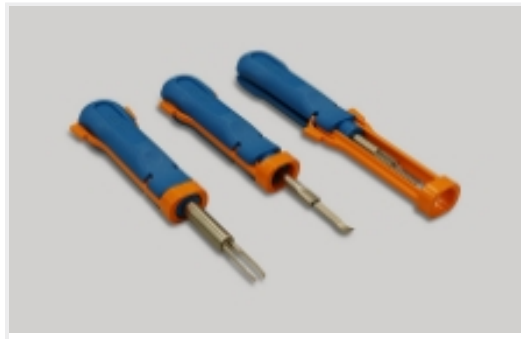


Also in the Series | **Mini-Universal MATE-N-LOK**

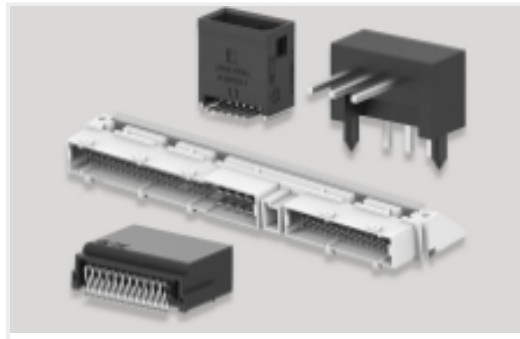




Connector Strain Relief(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)



Rectangular Power Connectors(104)

## Customers Also Bought



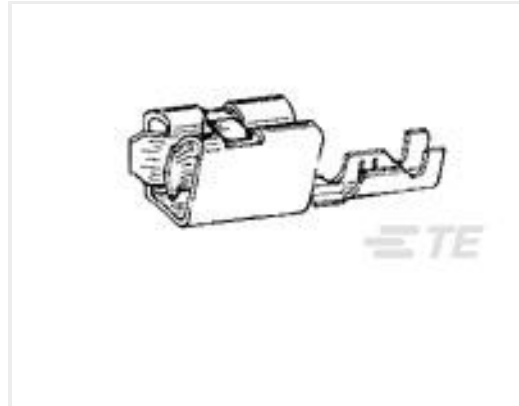
TE Part #172330-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P



TE Part #172338-1  
MINI UMNL PLUG HOUSING 4P



TE Part #172331-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 6P



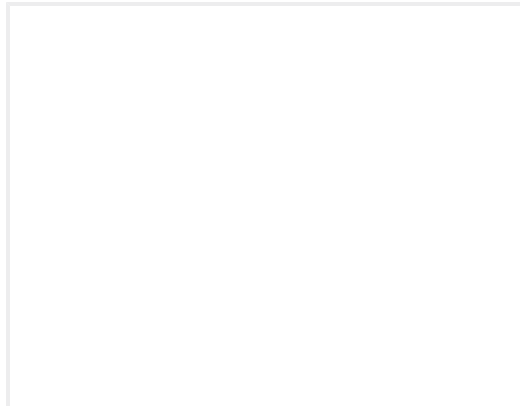
TE Part #1-160760-2  
110 FASTON, REC., 30-26 AWG, PTPBR



TE Part #234156-6  
CRIMPER WIRE SPECIAL



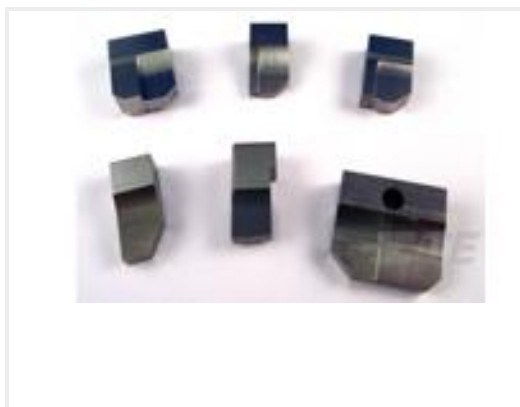
TE Part #1-409282-9  
CRIMPER, INSULATION



TE Part #690432-3  
ADJUSTMENT SCREW



TE Part #409284-2  
SHEAR FLOAT



TE Part #2-1463047-1  
ANVIL, GIC 2.5

## Documents

### Product Drawings

[MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P](#)

English

### CAD Files

[3D PDF](#)

English

### Customer View Model

[ENG\\_CVM\\_172328-1\\_B1.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_172328-1\\_B1.3d\\_igs.zip](#)

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**Customer View Model**

[ENG\\_CVM\\_172328-1\\_B1.3d\\_stp.zip](#)

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**3D PDF**

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**Customer View Model**

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**Customer View Model**

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English

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Instruction Sheets

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

English

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

English

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### Agency Approvals

[Agency Approval Document](#)

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