

1-172165-2 ✓ ACTIVE

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

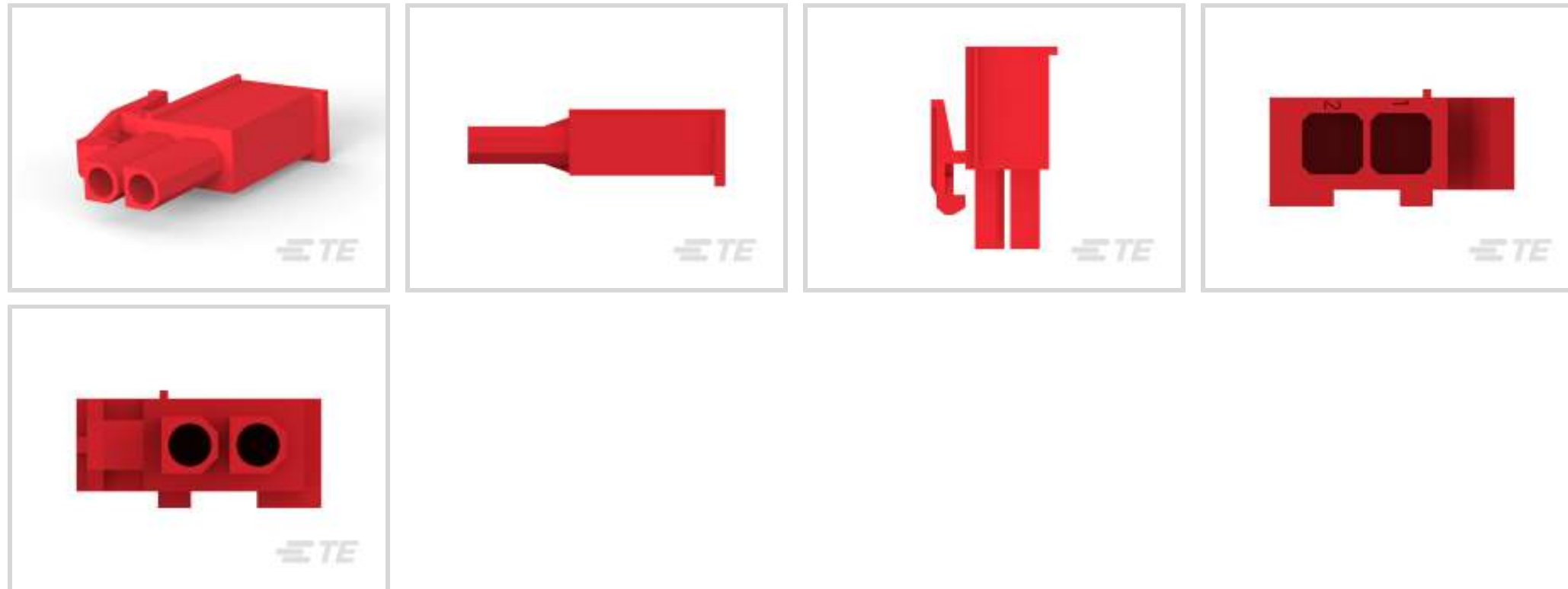
TE Internal #: 1-172165-2

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 2 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-0, Mini-Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **2**

Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Rectangular Power Connector Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | 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 | Socket |
| Termination Features | |
| Termination Method to Wire & Cable | Crimp |
| Mechanical Attachment | |
| Panel Mount Feature | Without |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Housing Features | |
| Centerline (Pitch) | 4.2 mm [.165 in] |
| Housing Color | Red |
| Housing Material | Nylon 66 |
| Dimensions | |
| Product Width | 10.8 mm |
| Product Length | 23.7 mm |
| Usage Conditions | |
| Operating Temperature Range | -20 – 105 °C [-4 – 221 °F] |
| Operation/Application | |
| Circuit Application | Power & Signal |
| Identification Marking | |
| Circuit Identification Feature | With |
| Industry Standards | |
| CSA Rating | Certified, LR 7189 |
| UL Rating | Recognized |
| Agency/Standard | CSA, UL |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| Packaging Features | |
| Packaging Quantity | 1000 |
| 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 2023 (235) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Melamine (3% in Component Part) Article Safe Usage Statements: Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| 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

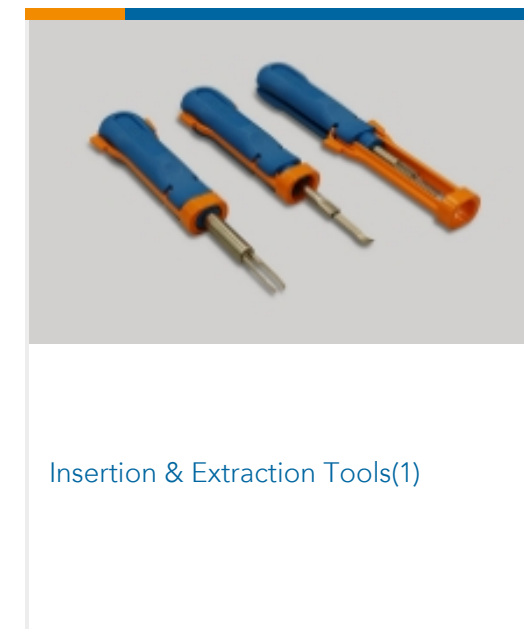
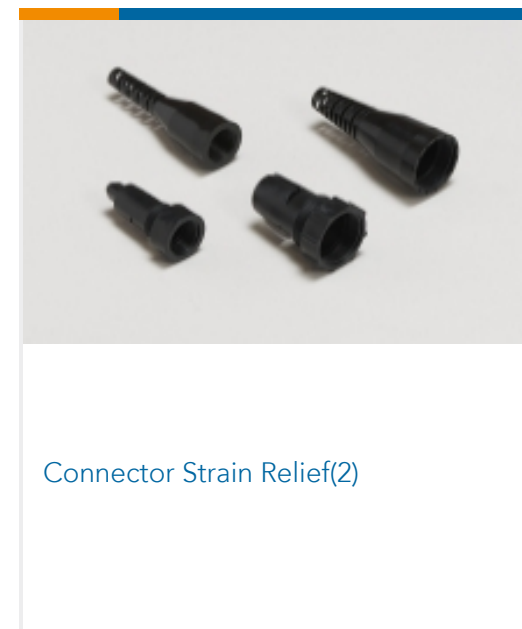
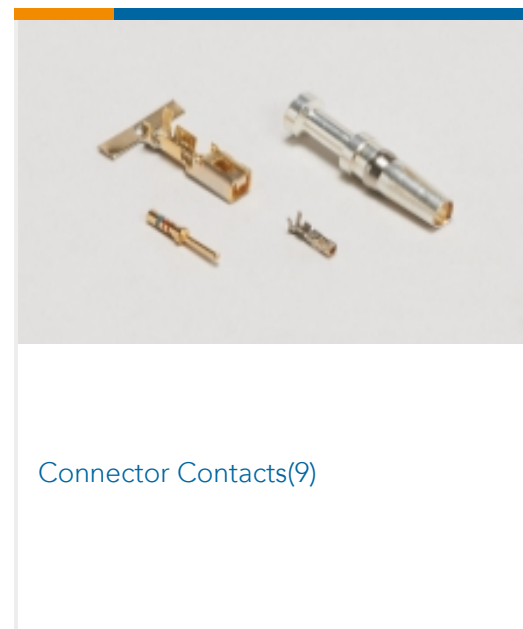
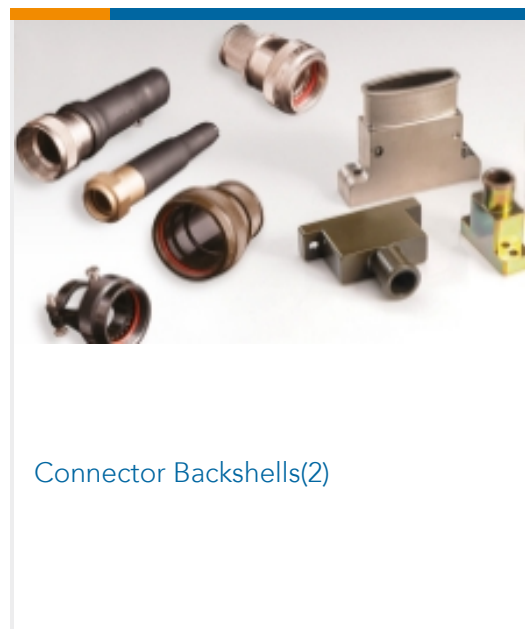
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

| | | | |
|--|--|---|--|
|  <p>TE Part # 1-770988-1 MINI UMNL SOK 22-18AWG LP LF</p> |  <p>TE Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP</p> |  <p>TE Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP</p> |  <p>TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP</p> |
|--|--|---|--|

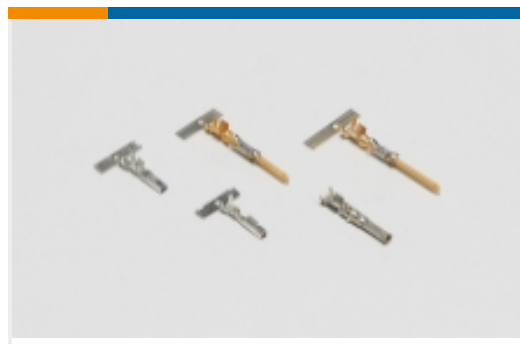


Also in the Series | Mini-Universal MATE-N-LOK





PCB Headers & Receptacles(1)



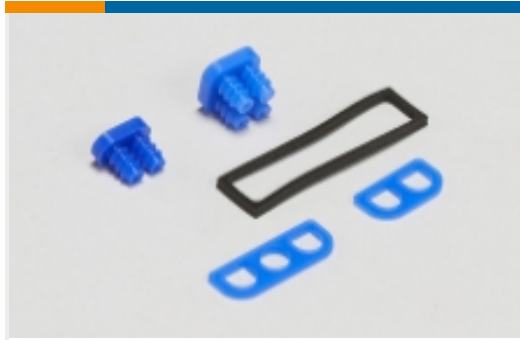
Power Contacts(84)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Connector Seals(17)



Rectangular Power Connectors(243)

Customers Also Bought



TE Part #1-1415899-6
RZ03-1A4-D012



TE Part #3-1879233-8
SMW5 3R6 5%



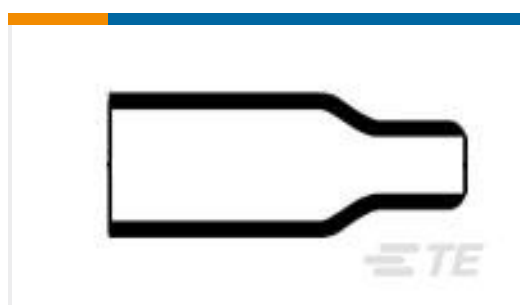
TE Part #3-1879071-0
THS50 27R 5%



TE Part #3-2176343-7
CRGCO 1206 10K 1%



TE Part #3-2176349-4
CRGCO 2512 5K6 1%



TE Part #814701-000
202A111-4/42-0



TE Part #1-172165-5
2CIR MINI U-M-N-L PLUG GREN



TE Part #1-172165-6
2CIR MINI U-M-N-L PLUG BLUE



TE Part #YIPT-1PXI-70MM-000
IPT-1pxi 70sqmm

Documents



Product Drawings

2CIR MINI U-M-N-L PLUG RED

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-172165-2_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-172165-2_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-172165-2_H.3d_stp.zip](#)

English

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

Product Specifications

Engineering Report

English

Product Environmental Compliance

[MD_1-172165-2_042120162349_dmtec](#)

English

[MD_1-172165-2_042120162349_dmtec](#)

English

Instruction Sheets

Instruction Sheet (U.S.)

English