# 1-172233-9 ✔ ACTIVE

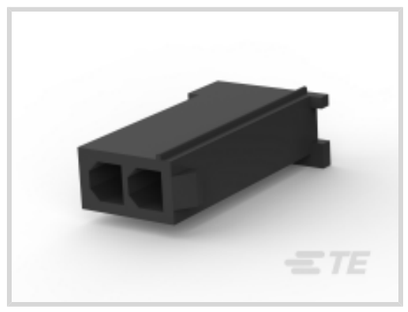
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 1-172233-9

2 Position, Receptacle, Housing, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-0, 4.2 mm [.165 in] Centerline, 1 Row, 600 VAC, Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Termination Method to Wire & Cable: **Crimp**

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

Contact Retention Within Housing: **Without**

## Features

### Product Type Features

| | |
|---|---|
| Connector Product 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 Rows | 1 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 0 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Primary Product Color | Black |

## 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 | Without |
| Connector Mounting Type | Panel Mount |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 4.2 mm[.165 in] |
| Housing Material | Nylon 66 |

## 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

| | |
|---|---|
| Compatible With Agency/Standards Products | CSA, UL |
| UL Rating | Recognized |
| Compatible With Approved Standards Products | UL E28476 |
| CSA Rating | Certified, LR 7189 |
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not applicable for solder process capability |

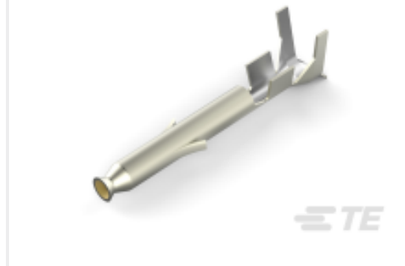
Product Compliance Disclaimer

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 # 1-770834-1
MINI UMNL SOK PHBRZ AU LF



TE Part # 1-770988-1
MINI UMNL SOK 22-18AWG LP LF



TE Part # 1-770902-0
MINI UMNL SOK 26-22 AWG AU



TE Part # 170361-1
UNIV M-N-L SOC. 26-22 AWG



TE Part # 171638-1
MINI U-M-N-L PIN CONT. L.P



TE Part # 170363-4
MINI UNIVERSAL M-N-L PIN LP



TE Part # 170363-3
MINI UNIVERSAL M-N-L PIN LP



TE Part # 170365-3
MINI UNIVERSAL M-N-L SOCKET LP



TE Part # 770986-3
MINI UMNL SOK 26-22AWG AU LP



TE Part # 170359-4
UNIV. M-N-L PIN



TE Part # 1-172165-9
2CIR MINI U-M-N-L PLUG BLCK



TE Part # 170362-4
MINI UNIVERSAL M-N-L SOCKET



TE Part # 770904-3
MINI UMNL SOK 22-18 AWG AU



TE Part # 770901-3
MINI UMNL PIN 26-22 AWG AU



TE Part # 770903-6
MINI UMNL PIN 22-18 AWG AU



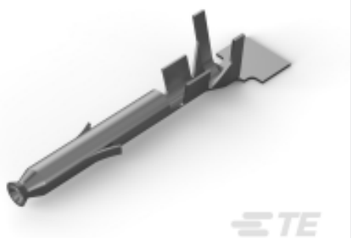
TE Part # 770988-3
MINI UMNL SOK 22-18AWG AU LP



TE Part # 794059-1
MINI UMNL PIN L/P



TE Part # 794406-3
MINI UMNL CONT 20-16AWG AU



TE Part # 770904-4
MINI UMNL SOK CONT 22-18 AWG



TE Part # 770902-1
MINI UMNL SOCK 26-22 AWG SN

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



Connector Caps & Covers(2)



Connector Contacts(89)



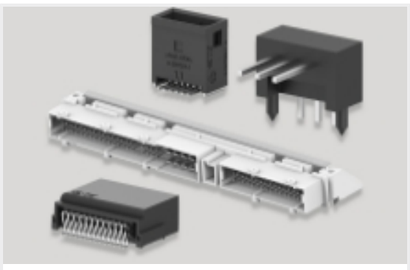
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



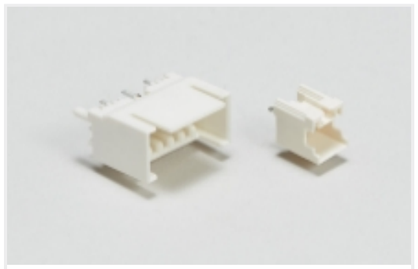
PCB Headers & Receptacles(93)



Power Contacts(89)

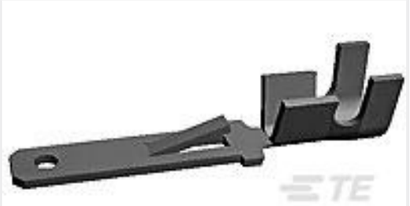


Rectangular Power Connectors(196)

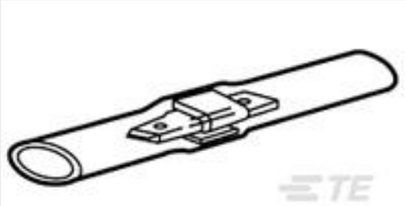


Wire-to-Board Headers & Receptacles (93)

## Customers Also Bought



TE Part #293041-2
FF 250 TAB 0.35-1.0MM2 TPBR



TE Part #321235
RECEPT, FASTON SPLICE 22-10



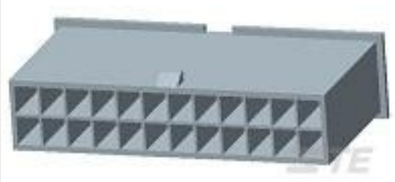
TE Part #440133-2
2.5MM,HSG,2POS



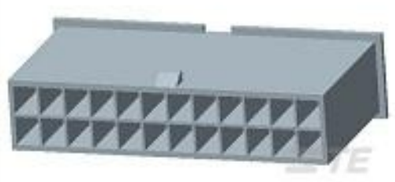
TE Part #2-928343-5
5P STD-TIMER GEH



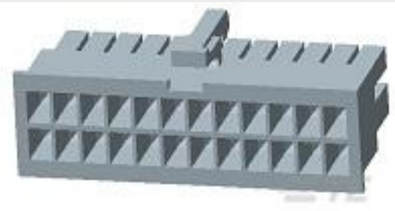
TE Part #928962-2
FF 250 TAB 1.0-2.5MM2 TBR



TE Part #1969612-2
2P FH PLUG VAL-U-LOK V0



TE Part #1969612-6
6P FH PLUG VAL-U-LOK V0



TE Part #1969614-6
6P RCPT VAL-U-LOK V0



TE Part #2238016-1
VAL-U-LOK PIN BR SN 18-22AWG



TE Part #2238019-1
VAL-U-LOK SKT BR SN 22-26AWG

## Documents

### Product Drawings

2P MINI UNIV FREE HANG BLACK

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1-172233-9_E.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_1-172233-9_E.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1-172233-9_E.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

## Instruction Sheets

### Instruction Sheet (U.S.)

English

### Instruction Sheet (U.S.)

English

## Agency Approvals

### UL Report

English