# 170360-1 ✔ ACTIVE

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

TE Internal #: 170360-1

Tin (Sn), Pin Contact, 22 – 18 AWG, 600 VAC, 600 VDC, .3 – .89 mm² Wire, Crimp, Brass, Power, -20 – 105 °C [-4 – 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

| | |
|---|---|
| Barrel Type | Open |
| 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) | 7 A |
| Mating Pin Diameter | 1 mm[.039 in] |
| Contact Mating Area Plating Material Thickness | .8 µm[31.49 µin] |
| Wire Contact Termination Area Plating Material Thickness | .8 µm[31.49 µin] |
| Wire Contact Termination Area Plating Material Finish | Matte |

| | |
|---|---|
| Contact Orientation | Straight |

## Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |
| Product Terminates To | Wire & Cable |

## Mechanical Attachment

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

## Dimensions

| | |
|---|---|
| Wire Size | .3 – .89 mm² |
| Compatible Insulation Diameter Range | 3.4 mm[.134 in] |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | 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 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 reviewed 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

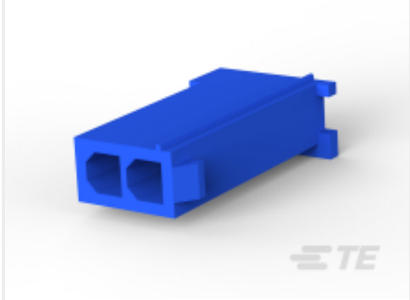
# Compatible Parts



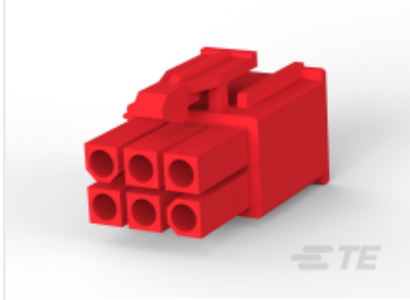
TE Part # 5-2410765-2
OCEAN_2.0_Applicator-S-062F110F-RSA



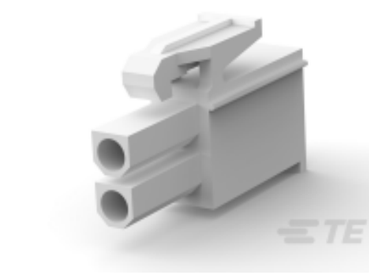
TE Part # 1-172157-2
2CIR MINI U-M-N-L CAP RED



TE Part # 1-172233-6
2 POS MINI UNIV FREE HANG BLUE



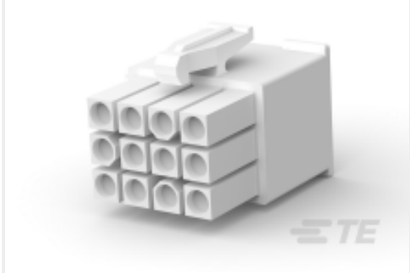
TE Part # 1-172168-2
MINI UNIVERSAL M-N-L PLUG 6P



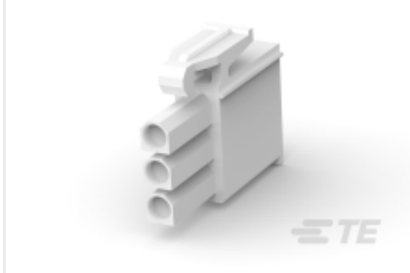
TE Part # 172336-1
2P MINI UMNL PLUG HOUSING



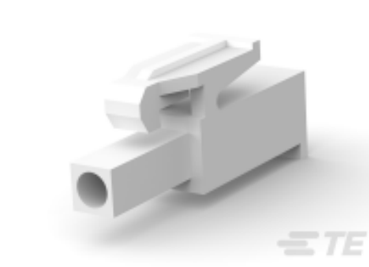
TE Part # 172233-1
2 POS MINI UMNL CAP HOUSING



TE Part # 172170-1
12 CIR UNIV M-N-L PLUG



TE Part # 172337-1
MINI UMNL PLUG HOUSING 3P



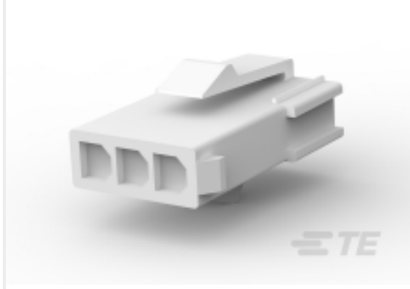
TE Part # 172335-1
MINI UMNL PLUG HOUSING 1P



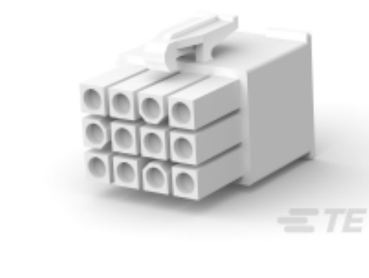
TE Part # 1903747-1
MINI UMNL GWT 2P PLUG HSG



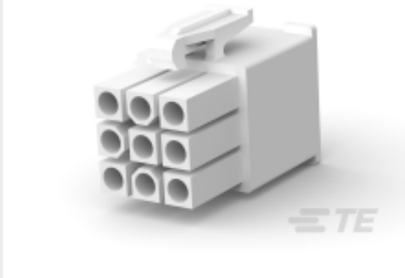
TE Part # 172159-1
4 CIR UNIV M-N-L CAP



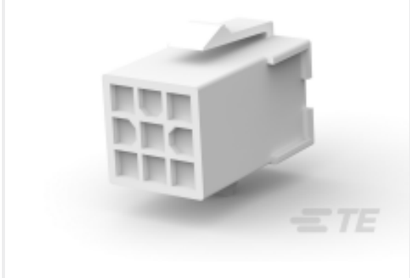
TE Part # 172329-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



TE Part # 172341-1
MINI UMNL PLUG HOUSING 12P



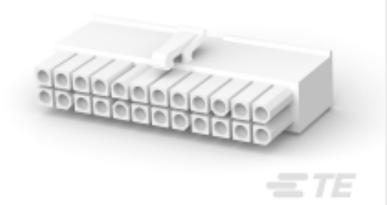
TE Part # 172340-1
MINI UMNL PLUG HOUSING 9P



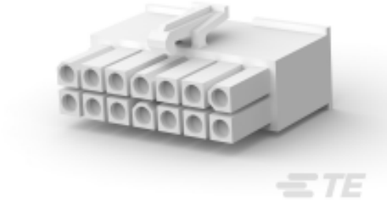
TE Part # 172161-1
9 CIR UNIV M-N-L CAP



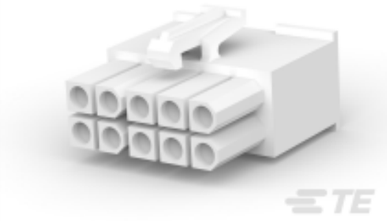
TE Part # 2410765-2
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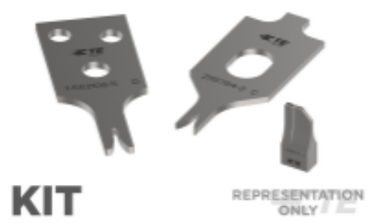
TE Part # 770587-1
24P MINI UMNL PLUG HSG



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



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




TE Part # 7-2266248-7
OC-062F110F-752-CRIMPTOOLINGKIT

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



Connector Caps & Covers(2)



Connector Contacts(89)



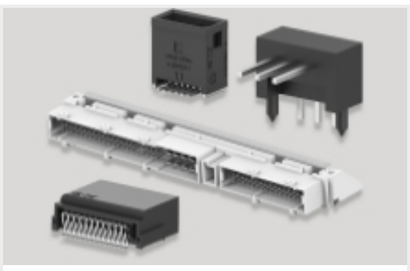
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



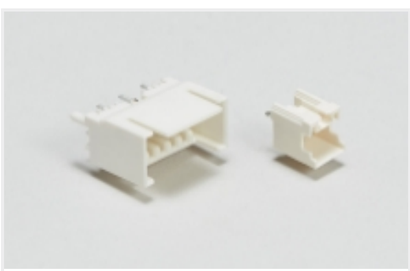
PCB Headers & Receptacles(93)



Power Contacts(89)



Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles (93)

## Customers Also Bought



TE Part #T4161120004-002
RPC-M12-MS-4CON-PUR-1.0SH



TE Part #42751-1
RING CRIMP 16-14 AWG BR



TE Part #5-103639-8
09 MTE HDR SRST LATCH .100CL



TE Part #172168-1
6 CIR UNIV M-N-L PLUG



TE Part #172169-1
9 CIR UNIV M-N-L PLUG



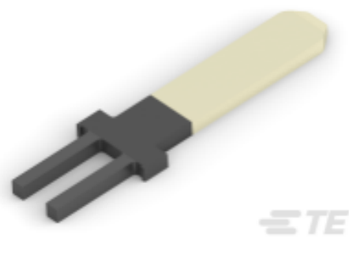
TE Part #554753-1
RCPT ASSY, 50 POSN, ACTION PIN



TE Part #770835-1
MINI UMNL PIN SN



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



TE Part #2-1801696-1
TAB 2.3X0.64 NS WITH MULTISPRING PLTD



TE Part #2232261-3
1394_A RECEPTACLE UP RIGHT RA THRU HOLE

## Documents

### Product Drawings

UNIV M-N-L PIN 22-18 AWG

English

### CAD Files

3D PDF

English

Customer View Model

ENG_CVM_170360-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_170360-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_170360-1_H.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

### Instruction Sheets

Instruction Sheet (non U.S.)

English

MINI UNIVERSAL MATE-N-LOK CONNECTOR

English

Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

Japanese

## Agency Approvals

UL Report

English