# 770581-1 ✔ ACTIVE

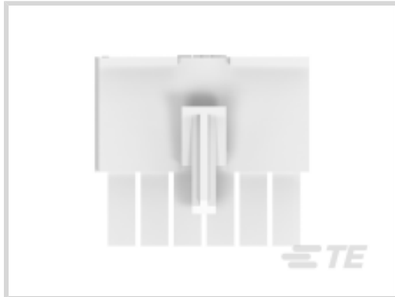
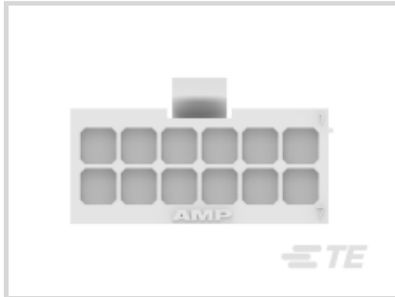
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 770581-1

12 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 4.14 mm [.162 in] Centerline, 2 Row, 600 VAC, Wire & Cable, Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors

Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

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

Contact Retention Within Housing: **Without**

## Features

### Product Type Features

| | |
|---|---|
| Connector Product Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 12 |
| Number of Rows | 2 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Primary Product Color | White |

### Contact Features

| | |
|---|---|
| Multiple Contact Types | Without |
| 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) | 4.14 mm[.162 in] |
| Housing Material | Nylon |

### Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 4.14 mm[.162 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 | 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 | 1 |
| Packaging Method | Package |

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

TE Part # 1-770621-0
12P MINI UMNL DBL ROW HDR ASSY

TE Part # 1-770972-1
12P MINI UMNL R/A HDR ASSY LF

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

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

TE Part # 1-794066-1
12P MINI UMNL HDR W/DH AU LF

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

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

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

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

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

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

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

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

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

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

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

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

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

Connector Caps & Covers(2)

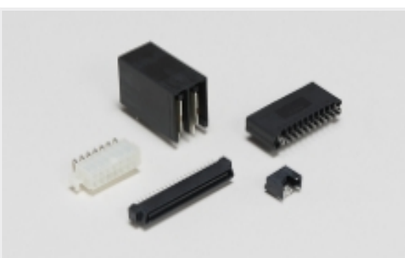
Connector Contacts(89)

Connector Hardware(4)

Power Contacts(89)

Rectangular Connector Housings(104)

Rectangular Power Connectors(196)



Standard Rectangular Connectors(104)

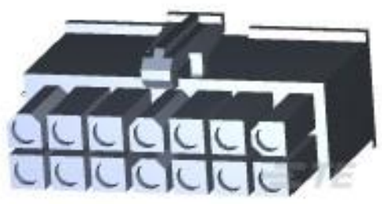
## Customers Also Bought

TE Part #30972
TERMINAL,BUDG R 12-10 3/8

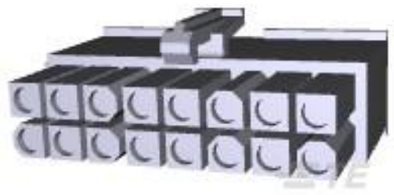
TE Part #52730
SOLIS SPDFLG 22-16COM22-18MIL8

TE Part #1-480270-0
06P CMNL PLUG HSG M/M NATL

TE Part #1-640250-1
11P SL156 HSG W/LCK RAMP NATL

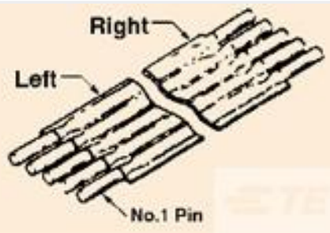


TE Part #770582-1
14P MINI UMNL PLUG HSG



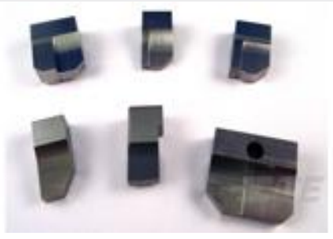
TE Part #770583-1
16P MINI UMNL PLUG HSG

TE Part #794199-1
12P MINI UMNL2 CAP HSG DBLROW




TE Part #3-1437175-9
FSP-21A

TE Part #T2400002016-000
HKF-16 SOCKET CONTACT



TE Part #1-803653-1
ANVIL, COMBINATION

## Documents

### Product Drawings

12P MINI UMNL PLUG HSG

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770581-1_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770581-1_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770581-1_P.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

## Product Specifications

### Engineering Report

English

## Instruction Sheets

### Instruction Sheet (U.S.)

English

### Instruction Sheet (U.S.)

English

## Agency Approvals

### Agency Approval Document

English