# 1-770835-0 ✔ ACTIVE

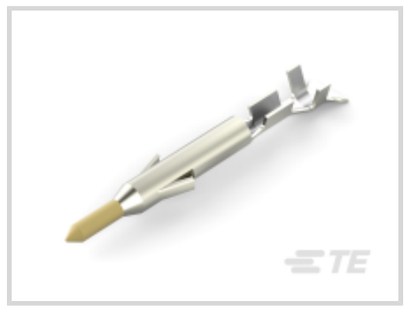
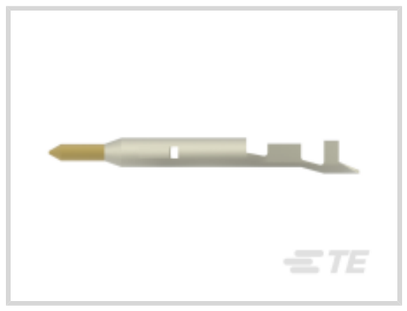
MATE-N-LOK | Mini-Universal MATE-N-LOK

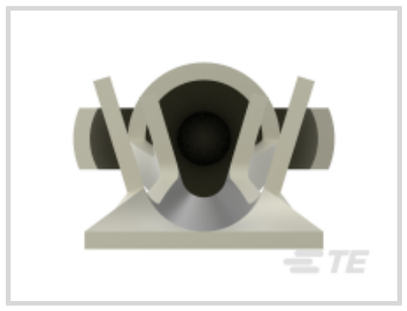
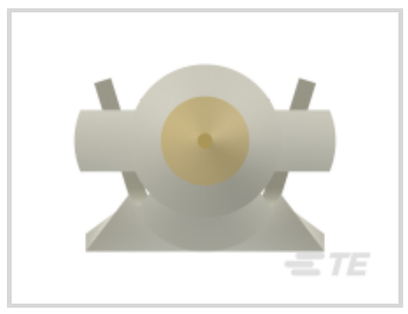
TE Internal #: 1-770835-0

Power Contacts, Contact, 600 VAC, 600 VDC, Gold, 30 – 26 AWG Wire Size, .05 – .15 mm² Wire Size, Wire & Cable, Crimp, Power, Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > Power Connectors > Power Contacts

Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **30 – 26 AWG**

## Features

### Product Type Features

| | |
|---|---|
| Compatible With Discrete Wire Type | Stranded |
| Power Contact Type | Contact |
| Connector & Contact Terminates To | Wire & Cable |

### Electrical Characteristics

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

### Contact Features

| | |
|---|---|
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 11.2 A |
| Contact Type | Pin |
| Contact Retention Within Housing | With |
| Mating Pin Diameter | 1 mm[.039 in] |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| Wire Contact Termination Area Plating Thickness | 2.54 µm[100 µin] |
| Wire Contact Termination Area Plating Material | Tin |

| | |
|---|---|
| Wire Contact Termination Area Plating Material Finish | Matte |
| Contact Orientation | Straight |
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |

### Termination Features

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

### Mechanical Attachment

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

### Dimensions

| | |
|---|---|
| Wire Size | .05 – .15 mm² |
| Compatible Insulation Diameter Range | .89 – 1.27 mm[.035 – .05 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |

### Operation/Application

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

### Industry Standards

| | |
|---|---|
| CSA Rating | Certified, LR 7189 |
| UL Rating | Recognized |
| Agency/Standard | CSA, UL |
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 10000 |
| Packaging Method | Reel |

### Other

| | |
|---|---|
| Power Connectors Comment | HDM Applicator part number ending in -1 is used on AMPOMATOR CLS Machine with T or G Terminators, -2 is used on AMP-O-LECTRIC Model K Machine, -3 is used on AMP-O-LECTRIC Model G Machine. |

## 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: JAN 2023 (233)<br>Candidate List Declared Against: JAN 2023 (233)<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 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



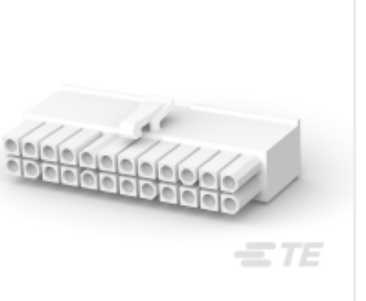
TE Part # CAT-AM71-C83998EE
Mini Circular Plastic Connectors (CPC)



TE Part # 455830-1
INSERTION TOOL



TE Part # 770586-1
22P MINI UMNL PLUG HSG



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



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



TE Part # 770585-1
20P MINI UMNL PLUG HSG



TE Part # 172333-1
MINI UNIVERSAL M-N-L HOUSING



TE Part # 770581-1
12P MINI UMNL PLUG HSG



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



TE Part # 770584-1
18P MINI UMNL PLUG HSG



TE Part # 172328-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P



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



TE Part # 172344-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



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



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



TE Part # 172171-1
15 CIR UNIV M-N-L PLUG



TE Part # 172162-1
12 CIR UNIV M-N-L CAP



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



TE Part # 172163-1
15 CIR UNIV M-N-L CAP



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

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



Connector Backshells(2)



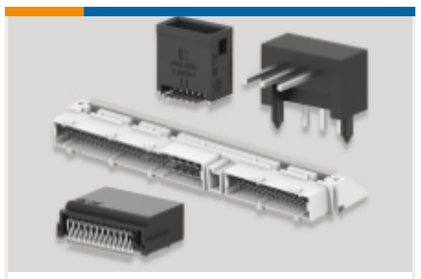
Connector Contacts(9)



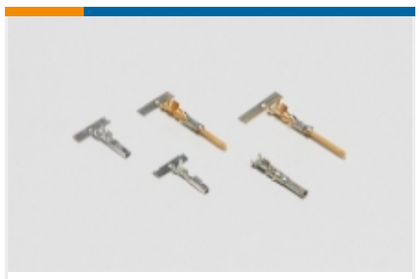
Connector Strain Relief(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Power Contacts(84)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Connector Seals(17)

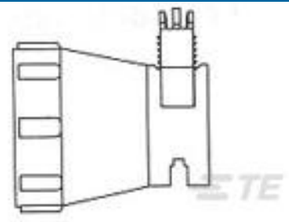


Rectangular Power Connectors(243)

## Customers Also Bought



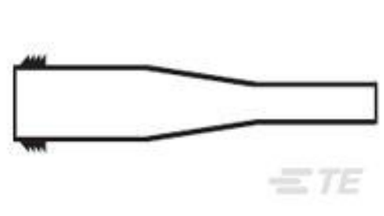
TE Part #1-796329-1
23-57 CPC PSTD SKT RECPT LF



TE Part #1445730-1
STRN RELIEF ASY,STRT SIZE 8



TE Part #794194-1
09P MINI UMNL2 PLUG HSG UL94V0



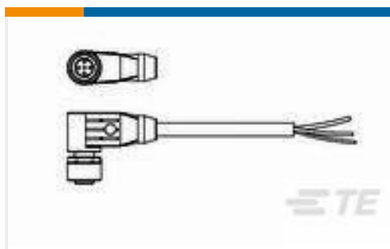
TE Part #991496-000
QFT2-130/42-0



TE Part #103906-5
06 MTE HDR SRRA LATCH .100CL



TE Part #47417
DAHT FASTON STRAIGHT 18-14 ASSY



TE Part #2273101-1
M12 x 1.0 angled socket pigt shld A

TE Part #6-22279-3
SPRING,COMPRESSION

TE Part #NB-PTCO-148
Pt100, 1.2x4.0, Class C, PTFM101C1G0

## Documents

### Product Drawings

MINI UMNL PIN AU LF

English

### CAD Files

3D PDF

English

### Customer View Model

ENG_CVM_1-770835-0_H.3d_igs.zip

English

### Customer View Model

ENG_CVM_1-770835-0_H.3d_stp.zip

English

### Customer View Model

ENG_CVM_1-770835-0_H.2d_dxf.zip

English

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1-770835-0_M.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_1-770835-0_M.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1-770835-0_M.3d_stp.zip

English

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

## Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications Continued

English

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

## Product Specifications

Application Specification

English

## Product Environmental Compliance

Product Compliance

English

Product Compliance

English

## Instruction Sheets

Instruction Sheet (U.S.)

English