# 170359-3  ✓ ACTIVE

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

TE Internal #: 170359-3

Power Contacts, Contact, 600 VAC, 600 VDC, Gold, 26 – 22 AWG
Wire Size, .12 – .35 mm² Wire Size, Wire-to-Wire, Wire & Cable,
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:   **26 – 22 AWG**

## Features

### Product Type Features

| Power Contact Type | Contact |
|---|---|
| Connector System | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

### Electrical Characteristics

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

### Contact Features

| Contact Mating Area Plating Material | Gold |
|---|---|
| Contact Current Rating (Max) | 7 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 | .76 µm[30 µin] |
| Wire Contact Termination Area Plating Material | Gold |

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| | |
|---|---|
| Wire Contact Termination Area Plating Material Finish | Matte |
| Contact Orientation | Straight |
| Contact Underplating Material | Nickel |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Wire Insulation Support | Without |

## Dimensions

| | |
|---|---|
| Wire Size | .12 – .35 mm² |
| Accepts Wire Insulation Diameter Range | 1.19 – 1.75 mm[.047 – .069 in] |

## Usage Conditions

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

## Operation/Application

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

## Industry Standards

| | |
|---|---|
| CSA Rating | Certified |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| VDE Tested | No |
| Agency/Standard | CSA, UL |
| CSA File Number | LR 7189 |
| UL Rating | Recognized |
| UL File Number | E28476 |

## Packaging Features

| | |
|---|---|
| Packaging Method | Reel |
| Packaging Quantity | 6000 |

## Other

| | |
|---|---|
| Wire/Cable Type | Discrete Wire |
| Wire Type | Stranded |
| For Use With | Plug or Cap Housing |

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## Product Compliance

For compliance documentation, visit the product page on TE.com>

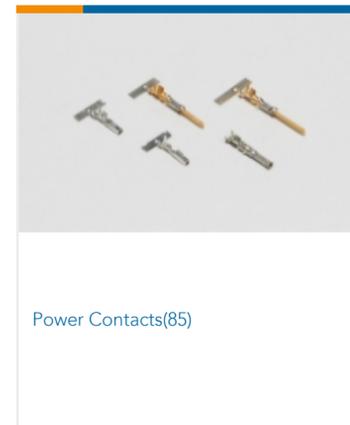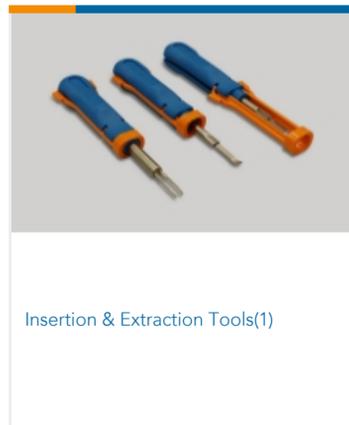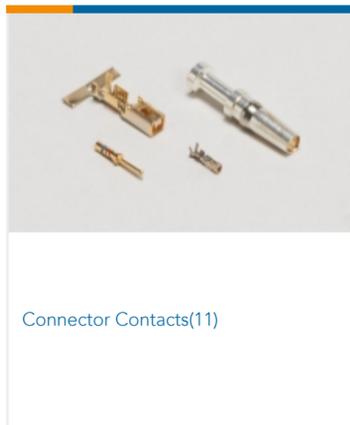| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<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 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 # 91529-1
CCII MINI-UMNL PIN 26-22 ASSY

TE Part # 90758-2
PROCRIMP DIE MINI UNIV MNL

TE Part # 189727-1
EXTRACTION TOOL

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

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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

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

Connector Contacts(11)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(1)

Power Contacts(85)

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Rectangular Backshells & Clamps(2)

Rectangular Boots & Strain Relief(2)

Rectangular Connector Keying Plugs(2)

Rectangular Connector Locking(2)

Rectangular Connector Seals(20)

Rectangular Power Connectors(283)

## Documents

### Product Drawings

MINI UNIVERSAL M-N-L PIN

English

### CAD Files

3D PDF

3D

**Customer View Model**

ENG_CVM_CVM_170359-3_N_c-170359-3-n.2d_dxf.zip

English

**Customer View Model**

ENG_CVM_CVM_170359-3_N_c-170359-3-n.3d_igs.zip

English

**Customer View Model**

ENG_CVM_CVM_170359-3_N_c-170359-3-n.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

### Product Environmental Compliance

MD_170359-3_100120151154_dmtec

English

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MD_170359-3_100120151154_dmtec

English

## Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

Japanese

## Agency Approvals

Agency Approval Document

English