# 350552-6 ✔ ACTIVE

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

TE Internal #: 350552-6

Power Contacts, Contact, 600 VAC, Gold, 20 – 14 AWG Wire Size, .5 – .25 mm² Wire Size, 1021 – 4106 CMA Wire Size, Wire-to-Wire, Universal MATE-N-LOK

View on TE.com >

Connectors > Power Connectors > Power Contacts



Power Contact Type:  **Contact**

Operating Voltage:  **600 VAC**

Contact Mating Area Plating Material:  **Gold**

Wire Size:  **.5 – .25 mm²**

## Features

### Product Type Features

| | |
|---|---|
| Power Contact Type | Contact |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 600 VAC |

### Contact Features

| | |
|---|---|
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 19 A |
| Contact Type | Pin |
| Contact Retention Within Housing | With |
| Mating Pin Diameter | 2.1 mm[.083 in] |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material Thickness | .76 – .91 µm[30 – 36 µin] |
| Wire Contact Termination Area Plating Thickness | 1.27 µm[50 µin] |

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

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Contact Retention Type Within Housing | Locking Lance |
| Wire Insulation Support | With |

## Dimensions

| | |
|---|---|
| Wire Size | 1021 – 4106 CMA |
| Accepts Wire Insulation Diameter Range | 3.3 – 5.08 mm[.13 – .2 in] |

## Usage Conditions

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

## Operation/Application

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

## Industry Standards

| | |
|---|---|
| CSA Rating | Certified |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| VDE Tested | Yes |
| Agency/Standard | CSA, UL |
| CSA File Number | LR 16455 |
| UL Rating | Recognized |
| UL Flammability Rating | UL 94V-0 |
| UL File Number | E28476 |

## Packaging Features

| | |
|---|---|
| Packaging Method | Reel |
| Packaging Quantity | 1000 |

## Other

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| | |
|---|---|
| Wire/Cable Type | Discrete Wire |
| Wire Type | Stranded |
| For Use With | Universal MATE-N-LOK Plug or Socket Housing |

## 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 # 90547-1

ASSY PRO-CRIMPER UNIV M-N-L



TE Part # 91506-1

CCII UNML UNML II PIN SKT 16-14 ASSY
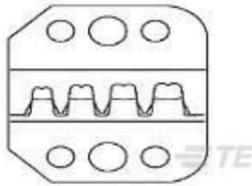


TE Part # 90547-2

PROCRIMPER DIE ASSY UNIV MNL



TE Part # 1804030-1

EXTRACTION TOOL ASSY

# 350552-6

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TE Part # 455830-1
INSERTION TOOL

TE Part # 1-480705-2
06P UNML CAP HSG RED

TE Part # 1-480708-9
12P UMNL PLUG HSG BLK

TE Part # 350784-1
15P UMNL CAP HSG

TE Part # 926307-3
6P UN-MNL AUFN-GEH

TE Part # 1-480704-2
06P UMNL PLUG HSG RED

TE Part # 926302-1
10& UNIV.M-N-L.PLUG

TE Part # 1-350777-2
02P UMNL V0 PLUG HSG RED

TE Part # 350783-1
12P UMNL CAP HSG

TE Part # 1-350778-9
02P UMNL V0 CAP HSG BLACK

TE Part # 350735-1
12P UMNL PLUG HSG

TE Part # 926302-3
10P UN-MNL STECKGEH

TE Part # 926308-3
8P UN-MNL AUFN-GEH

TE Part # 350736-1
15P UMNL PLUG HSG

TE Part # 1-350766-2
03P UMNL V0 PLUG HSG RED

TE Part # 1-480701-4
03P UMNL CAP HSG YELL

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

Circular Power Connectors(2)

Connector Contacts(11)

Insertion & Extraction Tools(4)

Power Contacts(207)

Power Contacts, Contact, 600 VAC, Gold, 20 – 14 AWG Wire Size, .5 – .25 mm² Wire Size, 1021 – 4106 CMA Wire Size, Wire-to-Wire, Universal MATE-N-LOK

Rectangular Boots & Strain Relief(35)

Rectangular Connector Adapters(7)
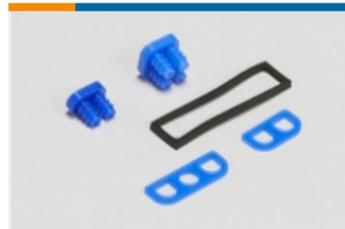
Rectangular Connector Hardware(1)

Rectangular Connector Housings(2)

Rectangular Connector Keying Plugs(3)

Rectangular Connector Locking(4)

Rectangular Connector Seals(26)

Rectangular Power Connectors(728)

## Documents

### Product Drawings
UMNL PIN 20-14 AU/PHBZ L/P

English

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### CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_350552-6_H.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_350552-6_H.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_350552-6_H.3d_stp.zip

English

3D PDF

English

Customer View Model
ENG_CVM_350552-6_S.2d_dxf.zip

English

Customer View Model
ENG_CVM_350552-6_S.3d_igs.zip

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Customer View Model
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English

## Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

## Product Specifications

Application Specification

English

## Product Environmental Compliance

TE Material Declaration

English

## Instruction Sheets

Instruction Sheet (U.S.)

English