

170360-1 ✓ ACTIVE

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

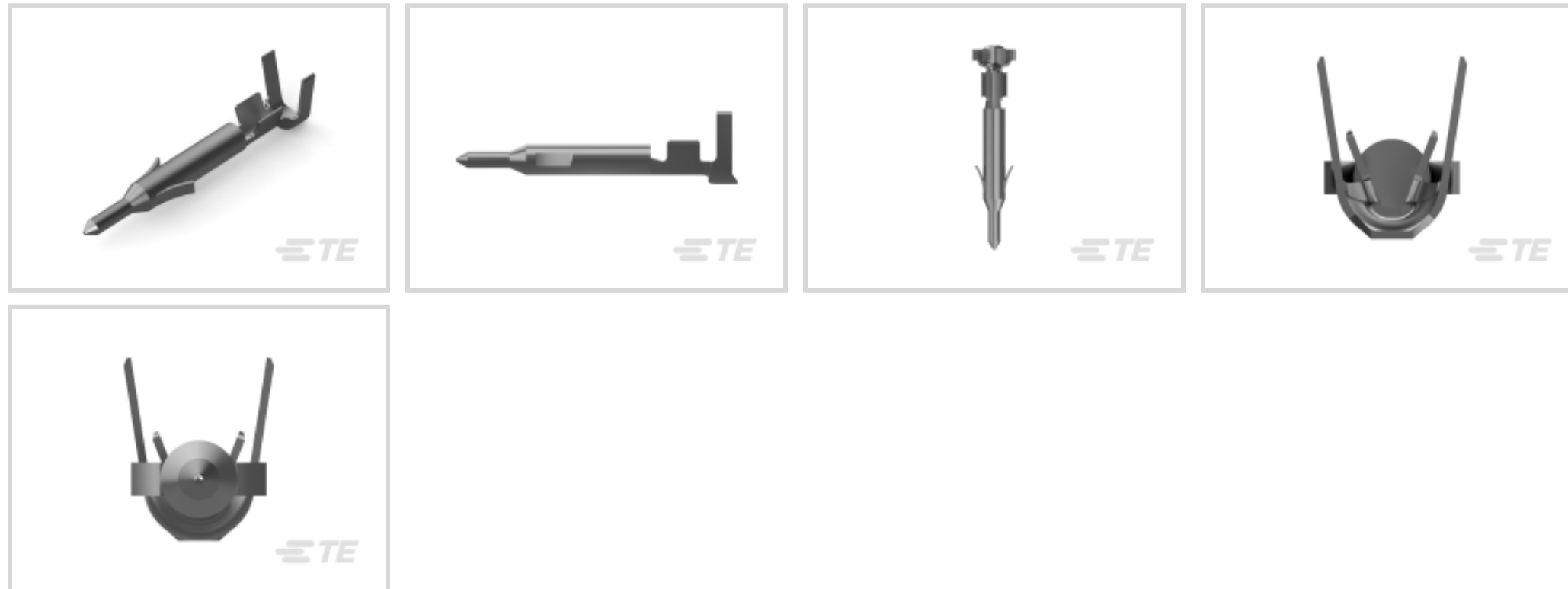
TE Internal #: 170360-1

Mini-Universal MATE-N-LOK, Power Contacts, Contact, Operating Voltage 600 VAC, Operating Voltage 600 VDC, Pre-Tin, 22 – 18AWG Wire Size

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Pre-Tin**

Wire Size: **22 – 18 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
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### Contact Features

Contact Mating Area Plating Material	Pre-Tin
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	.8 $\mu$ m [31.49 $\mu$ in]
Wire Contact Termination Area Plating Material Thickness	.8 $\mu$ m [31.49 $\mu$ in]
Wire Contact Termination Area Plating Material	Pre-Tin



Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight
Barrel Type	Open Barrel

#### Termination Features

Termination Method to Wire & Cable	Crimp
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#### Mechanical Attachment

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

#### Dimensions

Wire Size	.3 – .89 mm <sup>2</sup>
Accepts Wire Insulation Diameter Range	1.5 – 2.4 mm, 3.4 mm [.059 – .094 in][.134 in]

#### Usage Conditions

Operating Temperature Range	-20 – 105 °C [-4 – 221 °F]
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#### Operation/Application

Circuit Application	Power
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#### 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	4000

#### Other

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

## Product Compliance





[For compliance documentation, visit the product page on TE.com>](#)

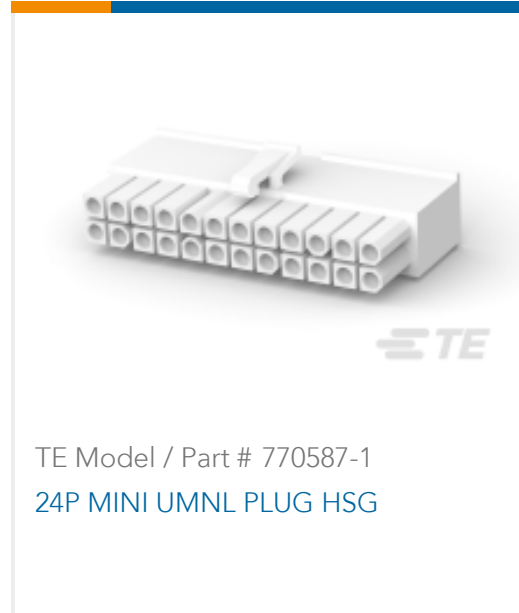
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JUN 2020 (209) Does not 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

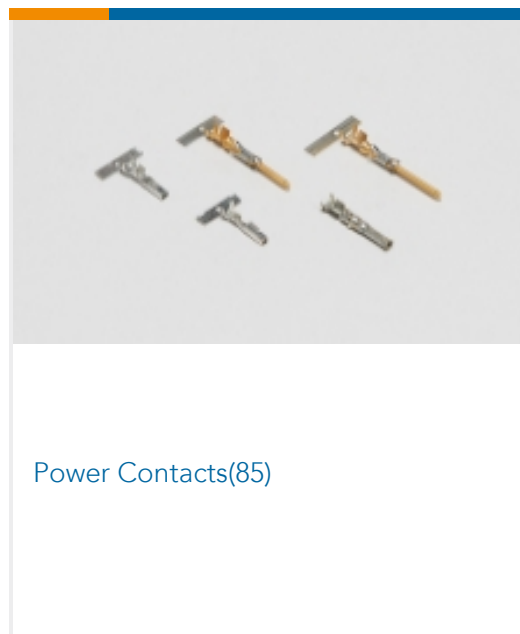
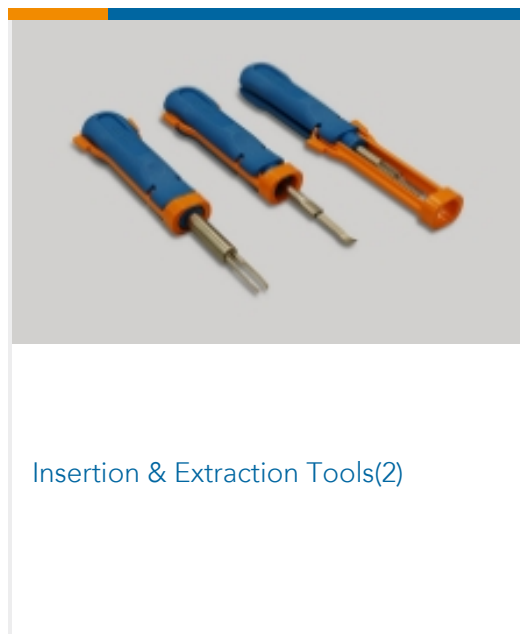
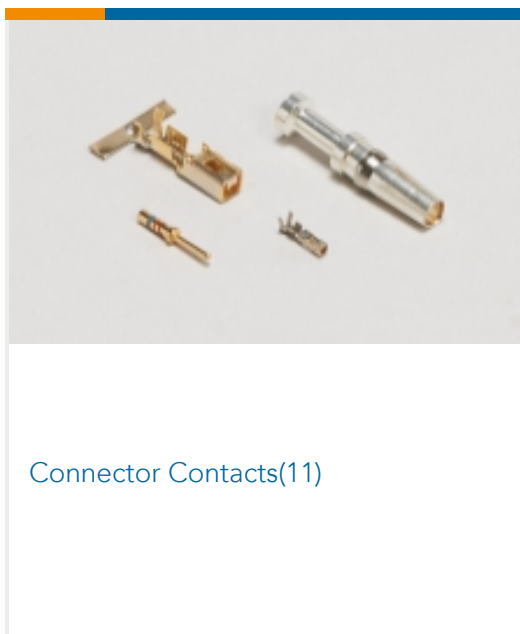
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

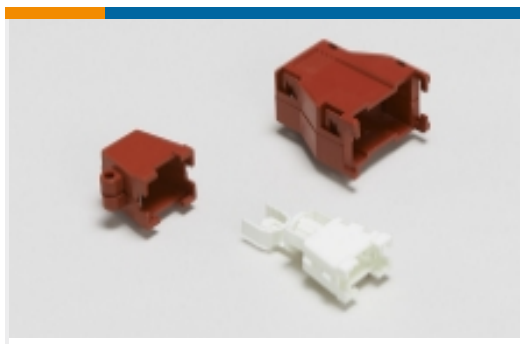
## Compatible Parts

 <p>TE Model / Part # 91522-1 CERTICRIMP 2, SAHT MINI UMNL</p>	 <p>TE Model / Part # 455830-1 INSERTION TOOL</p>	 <p>TE Model / Part # 2305570-1 TERMINAL CUTTER, SIDE FEED</p>	 <p>TE Model / Part # 189727-1 EXTRACTION TOOL</p>
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Also in the Series | **Mini-Universal MATE-N-LOK**

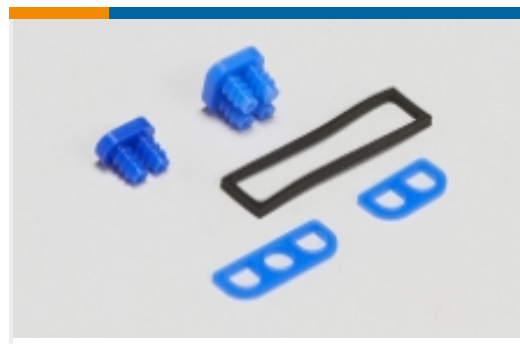




Rectangular Boots & Strain Relief(2)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Seals(18)



Rectangular Power Connectors(284)



Wire-to-Board Headers & Receptacles  
(1)

## Customers Also Bought



TE Model / Part #179228-3  
AMP COMMON TERMINATION  
HOUSINGS



TE Model / Part #179227-1  
AMP COMMON TERMINATION  
CONTACTS



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



TE Model / Part #172157-1  
2CIR MINI U-M-N-L CAP NATL



TE Model / Part #171822-3  
EIS REC. HSG 3P-NATURAL



TE Model / Part #170262-1  
EIS CONTACT



TE Model / Part #170361-1  
UNIV M-N-L SOC. 26-22 AWG



TE Model / Part #170359-1  
UNIV M-N-L PIN 26-22 AWG



TE Model / Part #170362-1  
UNIV M-N-L SOC. 22-18 AWG



TE Model / Part #172160-1  
6 CIR UNIV M-N-L CAP

## Documents



### Product Drawings

#### UNIV M-N-L PIN 22-18 AWG

English

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### 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.

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### Product Specifications

#### Crimping of Mini-Universal MATE-N-LOK Contact

Japanese

#### Application Specification

Japanese

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### Product Environmental Compliance

#### MD\_170360-1\_1213201890\_dmtec

English

#### MD\_170360-1\_1213201890\_dmtec

English

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### 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