

171637-1 ✓ ACTIVE

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

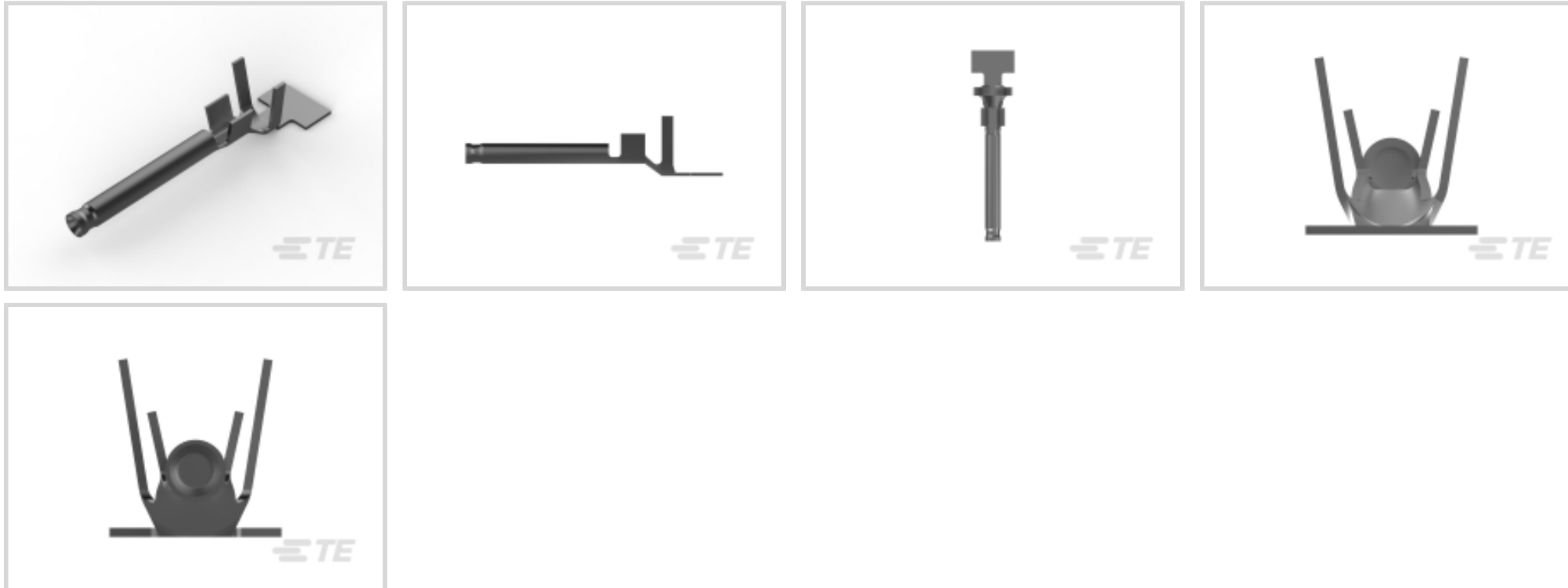
TE Internal #: 171637-1

Mini-Universal MATE-N-LOK, Power Contacts, Contact, Operating Voltage 600 VAC, Operating Voltage 600 VDC, Pre-Tin, 20 – 16AWG 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: **20 – 16 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	Socket
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



Contact Orientation	Straight
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### Termination Features

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

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

Wire Size	.5 – 1.3 mm <sup>2</sup>
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Accepts Wire Insulation Diameter Range	2 – 3.2 mm, 2.4 mm [.079 – .126 in] [.094 in]
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### 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
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Glow Wire Rating	Standard Part - Not Glow Wire
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VDE Tested	No
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Agency/Standard	CSA, UL
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CSA File Number	LR 7189
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UL Rating	Recognized
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UL File Number	E28476
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### Packaging Features

Packaging Method	Reel
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Packaging Quantity	4000
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### Other

Wire/Cable Type	Discrete Wire
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Wire Type	Stranded
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For Use With	Plug Housing
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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.
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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: JAN 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
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

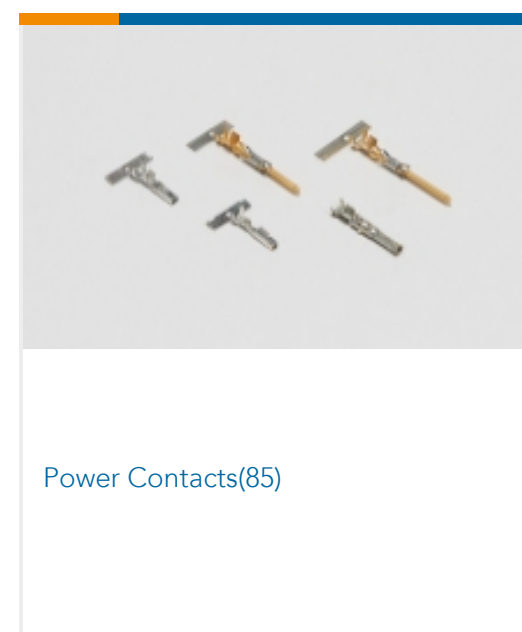
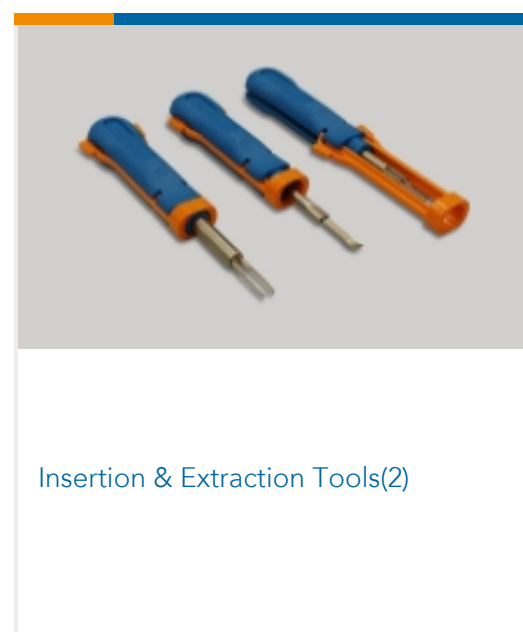
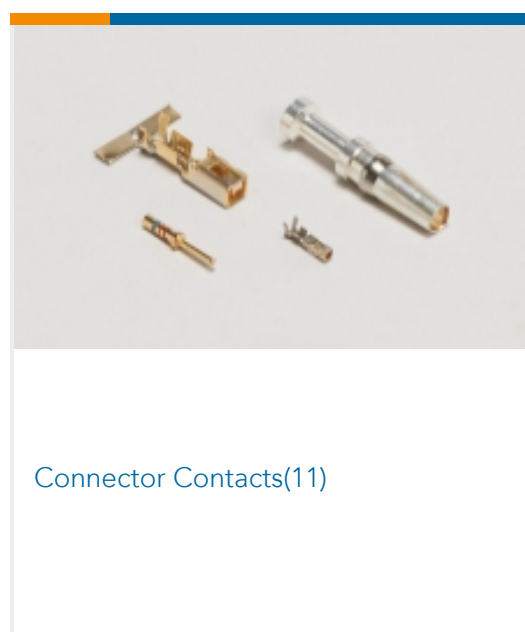
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 <p>TE Part # 2305570-1 TERMINAL CUTTER, SIDE FEED</p>	 <p>TE Part # 90760-1 PROCRIMP TL W/DIE MIN UNIV MNL</p>	 <p>TE Part # 455830-1 INSERTION TOOL</p>	 <p>TE Part # 189727-1 EXTRACTION TOOL</p>
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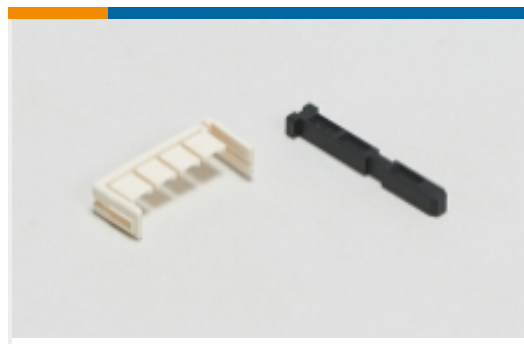


## Also in the Series | Mini-Universal MATE-N-LOK





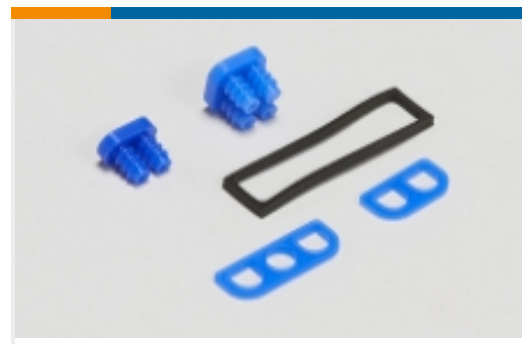
Rectangular Boots & Strain Relief(2)



Rectangular Connector Keying Plugs(2)



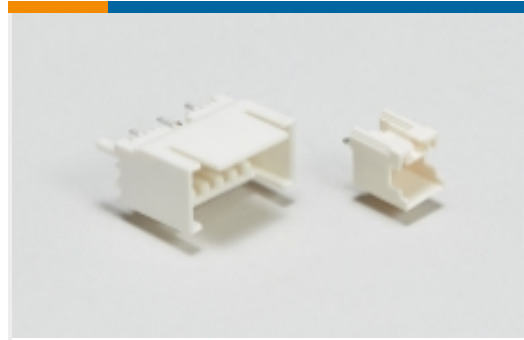
Rectangular Connector Locking(1)



Rectangular Connector Seals(18)



Rectangular Power Connectors(285)



Wire-to-Board Headers & Receptacles  
(1)

## Customers Also Bought



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



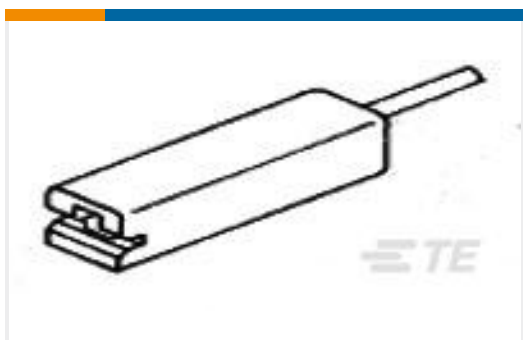
TE Part #1-770849-1  
11P SL156 HSG W/LCK RMP & TABS



TE Part #171636-1  
MINI U-M-N-L PIN CONTACT



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



TE Part #1-480417-0  
110 FASTON HSG.,REC.,1 POS,  
NATURAL



TE Part #170360-1  
UNIV M-N-L PIN 22-18 AWG



TE Part #154719-1  
250 HSG. PL MKI REC. NAT



TE Part #1-1969529-1  
ULTRA POD Straight Recpt Unplated  
0.25in



TE Part #1-172233-5  
2P MINI UNIV FREE HANG GREEN



TE Part #967466-1  
0-0350866-1

## Documents



### CAD Files

#### Customer View Model

[ENG\\_CVM\\_171637-1\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_171637-1\\_C.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_171637-1\\_C.2d\\_dxf.zip](#)

English

### 3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

### Product Specifications

[Engineering Report](#)

English

### Product Environmental Compliance

[MD\\_171637-1\\_020820181226\\_dmtec](#)

English

[MD\\_171637-1\\_020820181226\\_dmtec](#)

English