



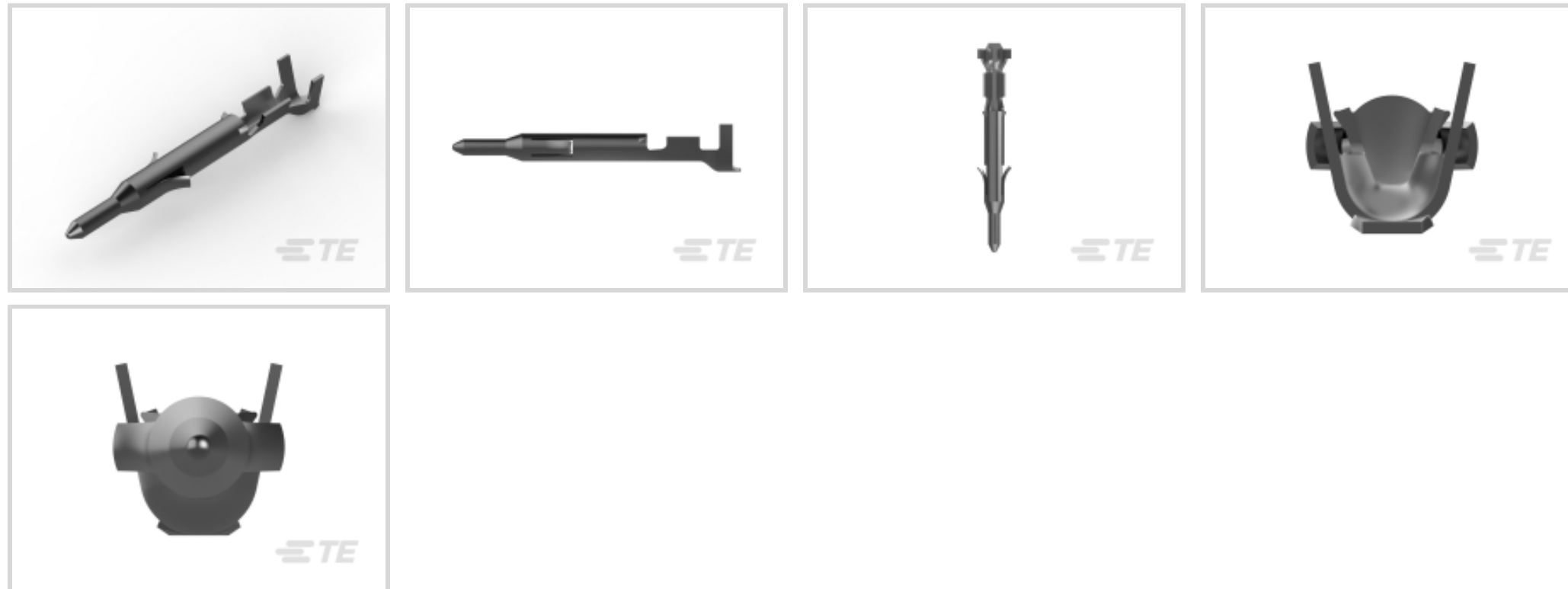
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 170359-1

Power Contacts, Contact, 600 VAC, 600 VDC, Tin, 26 – 22 AWG  
Wire Size, .12 – .35 mm<sup>2</sup> 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: **Tin**

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
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**Contact Features**

Contact Mating Area Plating Material	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 μm [31.49 μin]
Wire Contact Termination Area Plating Thickness	.8 μm [31.49 μin]
Wire Contact Termination Area Plating Material	Pre-Tin

Wire Contact Termination Area Plating Material Finish	Matte
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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	.12 – .35 mm <sup>2</sup>
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Accepts Wire Insulation Diameter Range	1.19 – 1.75 mm [.047 – .069 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	6000
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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 or Cap Housing
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

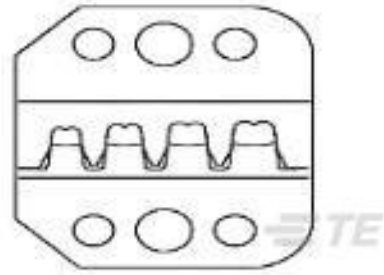



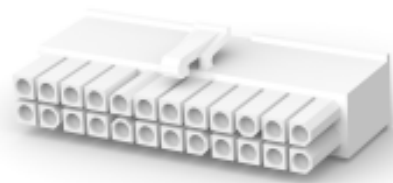

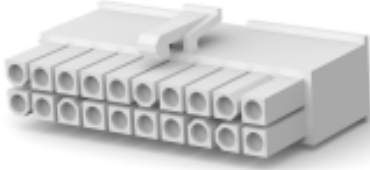
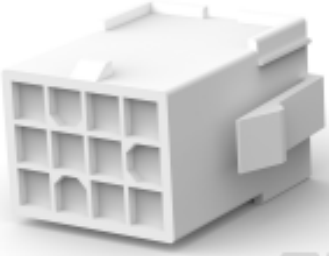


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does 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

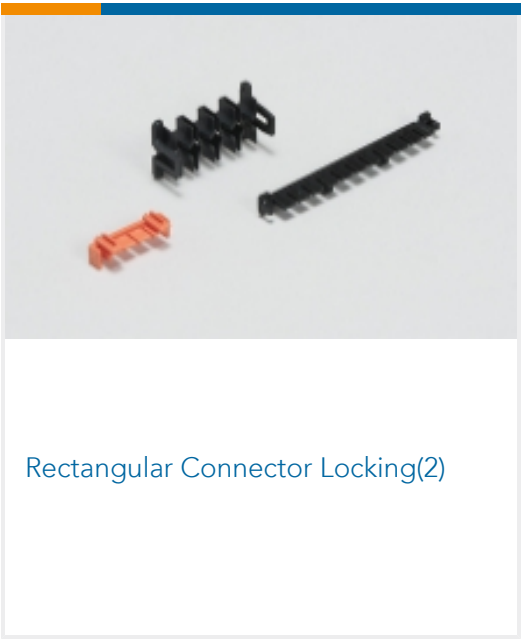
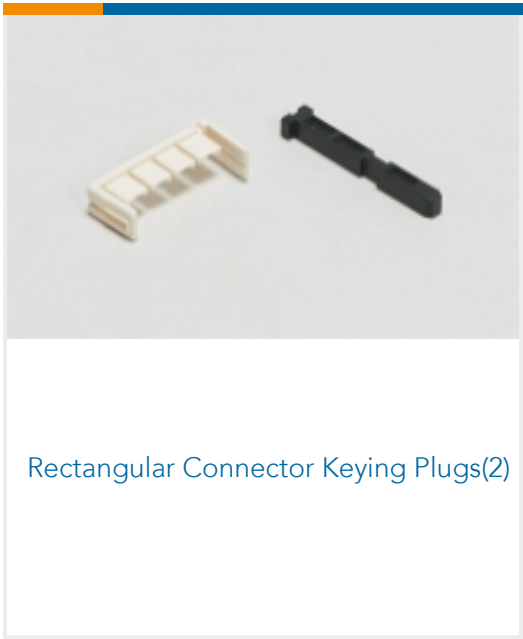
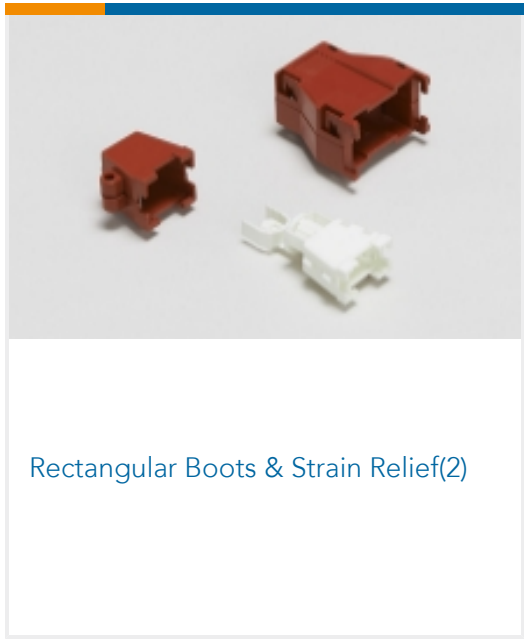
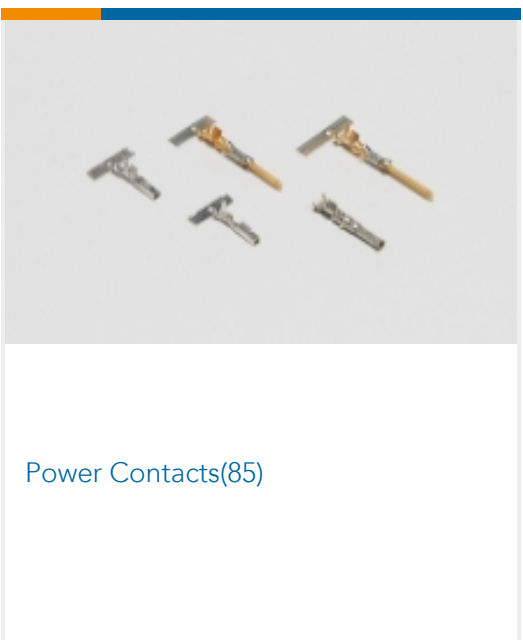
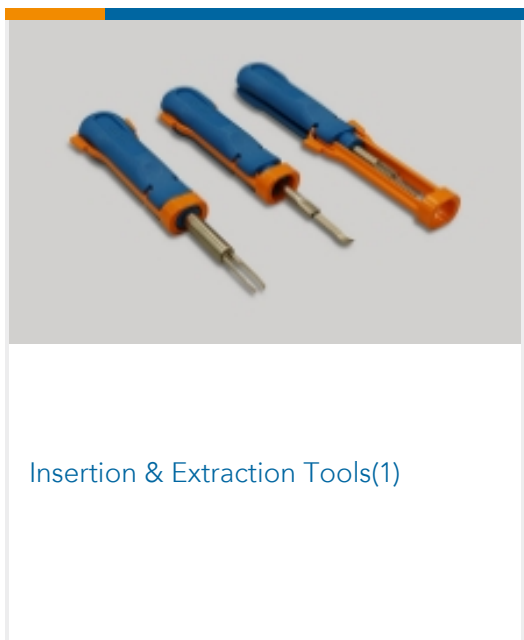
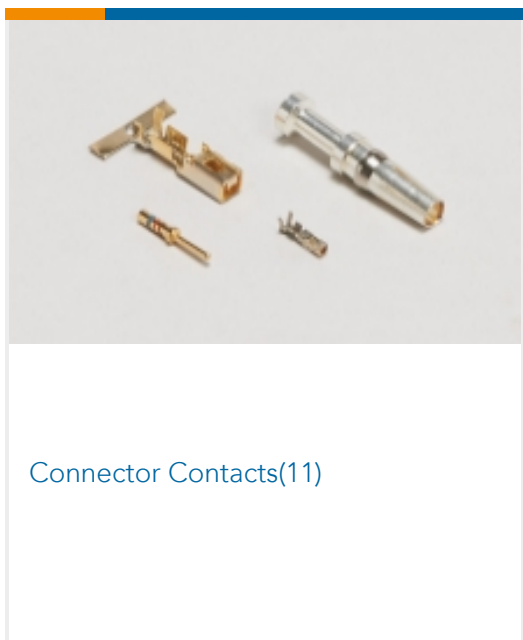
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

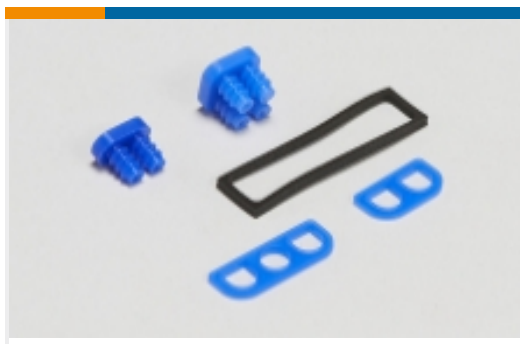
## Compatible Parts

 <p>TE Part # 90758-2 PROCRIMP DIE MINI UNIV MNL</p>	 <p>TE Part # 189727-1 EXTRACTION TOOL</p>	 <p>TE Part # 455830-1 INSERTION TOOL</p>	 <p>TE Part # 770586-1 22P MINI UMNL PLUG HSG</p>
 <p>TE Part # 770587-1 24P MINI UMNL PLUG HSG</p>	 <p>TE Part # 770582-1 14P MINI UMNL PLUG HSG</p>	 <p>TE Part # 770585-1 20P MINI UMNL PLUG HSG</p>	 <p>TE Part # 172333-1 MINI UNIVERSAL M-N-L HOUSING</p>



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





Rectangular Connector Seals(20)

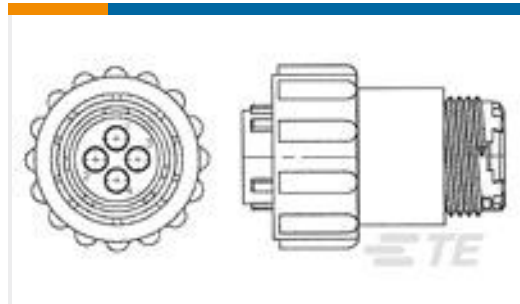


Rectangular Power Connectors(283)

## Customers Also Bought



TE Part #1-353908-7  
CT REC HSG 17P CRIMP TYPE WHIT



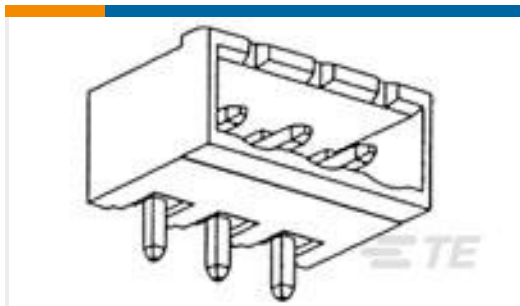
TE Part #788157-1  
SLD CPC 13-9 PLUG,STD,SM INS



TE Part #172233-1  
2 POS MINI UMNL CAP HOUSING



TE Part #172165-1  
2 CIR UNIV M-N-L PLUG NATL



TE Part #1-796638-0  
10POS 5.08MM CE R/A HDR,TRM BK



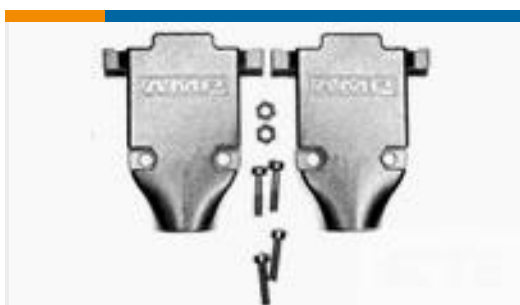
TE Part #2-1601075-1  
WIRE2BLADE,STD, SMZ



TE Part #1478764-1  
CRIMP KIT 6.0MM



TE Part #BGC106N00001100000  
923 RECEPTACLE, ANGLED, ROTATABLE



TE Part #1-172928-3  
AMPLIMITE CABLE CLAMP 37P KIT

## Documents

### Product Drawings

[UNIV M-N-L PIN 26-22 AWG](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_170359-1\\_N\\_c-170359-1-n.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_170359-1\\_N\\_c-170359-1-n.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_170359-1\\_N\\_c-170359-1-n.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**

**Application Specification**

English

[Mini U-M-N-L pin etc. - restricted for IMETEC](#)

English

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

Japanese

**Application Specification**

Japanese

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**Instruction Sheets**

**Instruction Sheet (non U.S.)**

Japanese

**Mini-Universal MATE-N-LOK Connector**

Japanese

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**Agency Approvals**

**Agency Approval Document**

English