



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

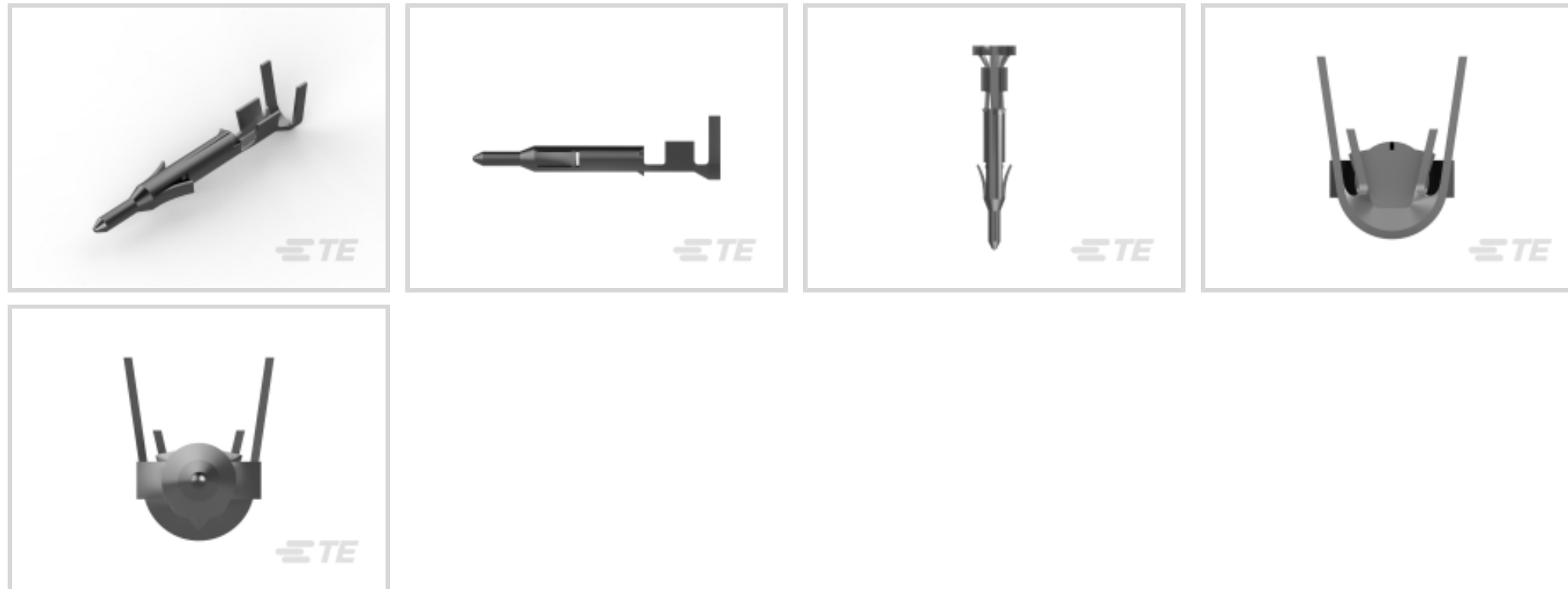
TE Internal #: 170364-1

Power Contacts, Contact, 600 VAC, 600 VDC, Tin, 22 – 18 AWG

Wire Size, .3 – .89 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: **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
Insulation Resistance	1000

**Contact Features**

Contact Shape & Form	Round
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
Contact Orientation	Straight
Barrel Type	Open Barrel

### Termination Features

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

Contact Retention Type Within Housing	Locking Lance
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]
Overall Length	17 mm[.67 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
Agency/Standard	CSA, UL
UL Rating	Recognized
UL Flammability Rating	UL 94V-0
VDE Tested	No
CSA File Number	LR 7189
CSA Certified	Yes
UL File Number	E28476

### Packaging Features

Packaging Method	Bag
Packaging Quantity	300



Other

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

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) 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



TE Part # 91522-1  
CCII MINI UNML PIN SKT 22-18 ASSY



TE Part # 90759-1  
PROCRIMP TL W/DIE MIN UNIV MNL



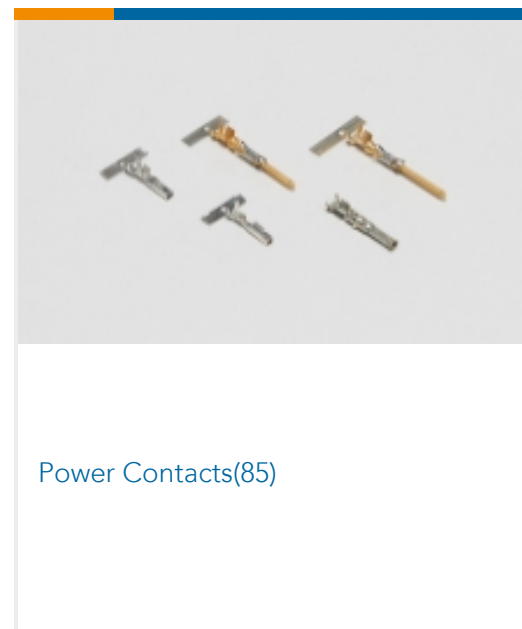
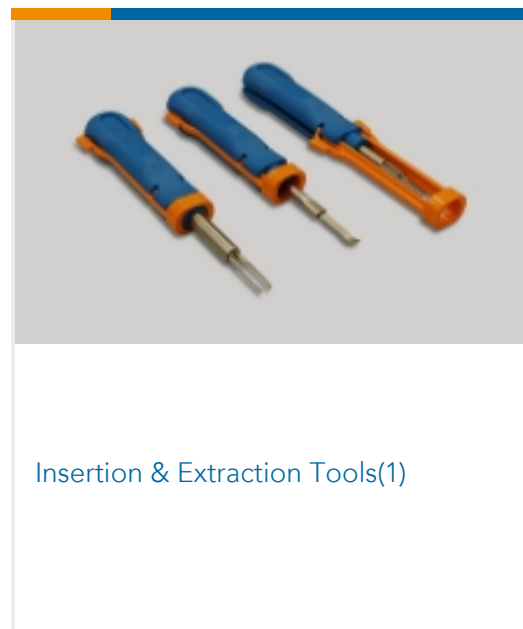
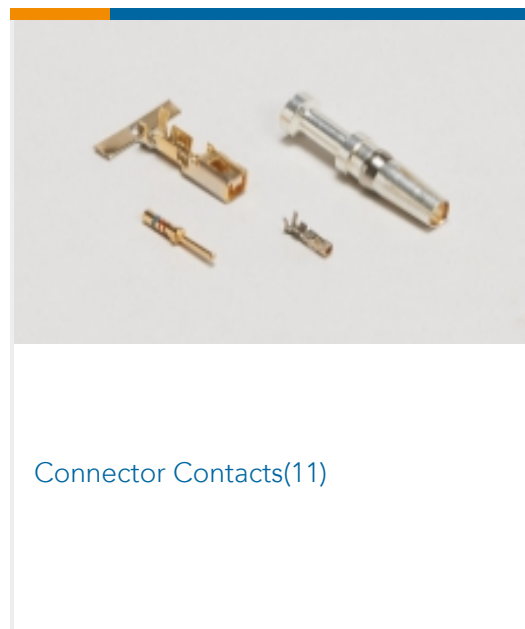
TE Part # 189727-1  
EXTRACTION TOOL



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

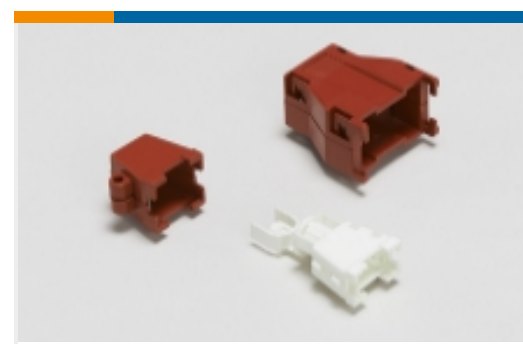


Also in the Series | **Mini-Universal MATE-N-LOK**

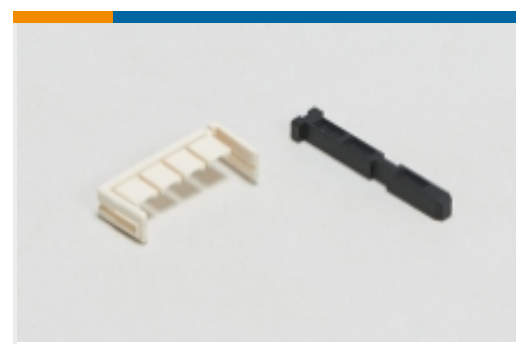




Rectangular Backshells &amp; Clamps(2)



Rectangular Boots &amp; 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 LP

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_170364-1\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_170364-1\\_C.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_170364-1\\_C.2d\\_dxf.zip](#)

English

### 3D PDF

English

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

### Product Specifications

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

Japanese

#### Application Specification

Japanese

### Product Environmental Compliance

[MD\\_170364-1\\_033020181336\\_dmtec](#)

English



[MD\\_170364-1\\_033020181336\\_dmtec](#)

English

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**Instruction Sheets**

[Instruction Sheet \(non U.S.\)](#)

Japanese

[Mini-Universal MATE-N-LOK Connector](#)

Japanese