

171637-1 ✓ ACTIVE

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

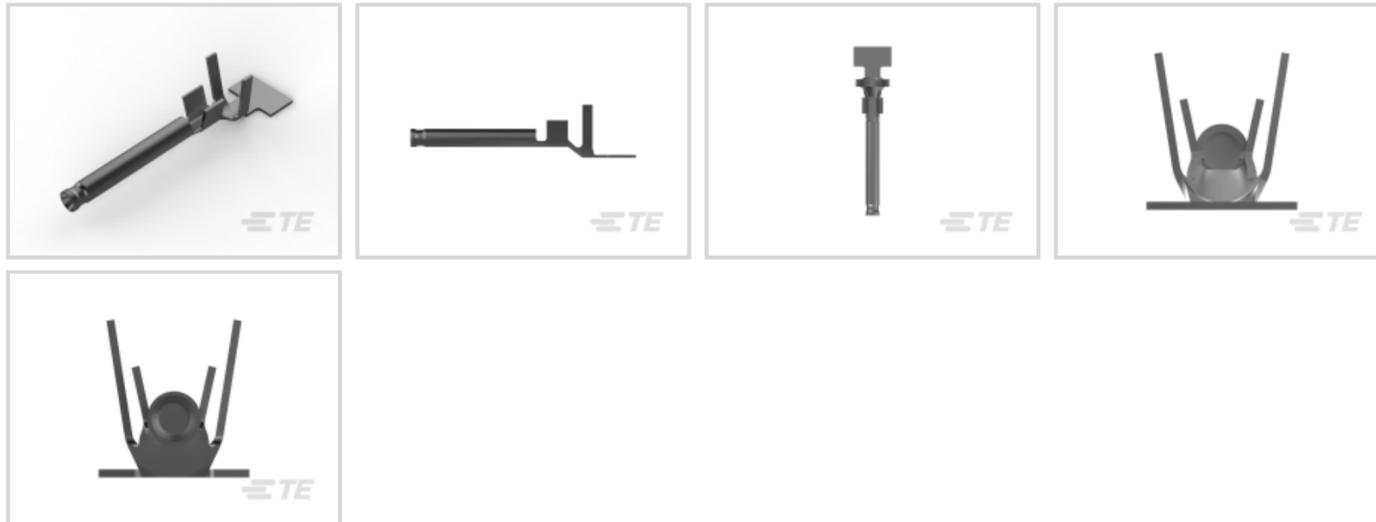
TE Internal #: 171637-1

Tin (Sn), Socket Contact, 20 – 16 AWG, 600 VAC, 600 VDC, .5 – 1.3 mm<sup>2</sup> Wire, Crimp, Brass, Power, -20 – 105 °C [-4 – 221 °F], Mini-Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin (Sn)**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VDC**

## Features

### Product Type Features

Discrete Wire Type	Stranded
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### Electrical Characteristics

Operating Voltage	600 VDC
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### Contact Features

Contact Type	Socket
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	7 A
Mating Pin Diameter	1 mm [.039 in]
Contact Mating Area Plating Material Thickness	.8 µm [31.49 µin]
Wire Contact Termination Area Plating Thickness	.8 µm [31.49 µin]
Contact Orientation	Straight



### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

Wire Size	.5 – 1.3 mm <sup>2</sup>
Compatible Insulation Diameter Range	2.4 mm [.079 – .126 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

Compatible With Agency/Standards Products	CSA, UL
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### Packaging Features

Packaging Quantity	4000
Packaging Method	Reel

## 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1-172342-4  
MINI U-M-N-L PLUG 15P YELLOW



TE Part # 1-172168-4  
6P MINI USL M-N-L PLUG HSG



TE Part # 1-172339-4  
MINI U-M-N-L PLUG 6P YELLOW



TE Part # 1-172163-2  
15 POS TR MINI UNIV



TE Part # 1-172169-4  
MINI USL M-N-L PLUG HSG



TE Part # 171639-1  
MINI U-M-N-L SOCKET L.P



TE Part # 91536-1  
CCII MINI-UMNL PIN 20-18 16-20x2 ASSY



TE Part # 7-215112-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-070F140F



TE Part # 5-215112-1  
OCEAN\_2.0\_Applicator-S-070F140F-RSM



TE Part # 7-2836859-7  
OC-070F140F-752-CRIMPTOOLINGKIT



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



TE Part # 1-794407-0  
MINI UMNL SOK 20-16 AWG AU LF



TE Part # 455830-1  
INSERTION TOOL



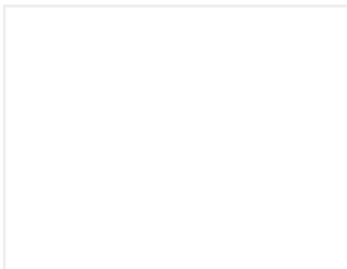
TE Part # 794407-1  
MINI UNML SCKT 20-16 AWG SN



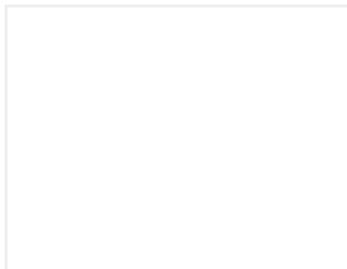
TE Part # 90760-1  
PROCrimp TL W/DIE MIN UNIV MNL



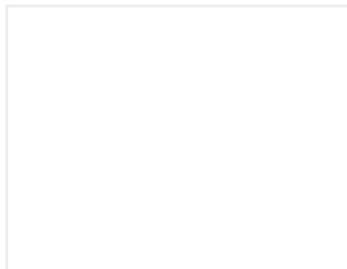
TE Part # 1-172340-4  
MINI UNIVERSAL M-N-L PLUG 9P

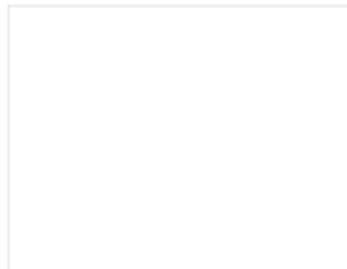
TE Part # 794894-4  
02P MINI UMNL PLUGS WIRE HOLES



TE Part # 794407-9  
MINI UNML SCKT CONT STRIP AU



TE Part # 794407-2  
MINI UNML SCKT 20-16AWG UNPLTD



TE Part # 794407-7  
MINI UNML SCKT CONT STRIP SN

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



Connector Caps & Covers(2)



Connector Contacts(89)



Connector Hardware(4)



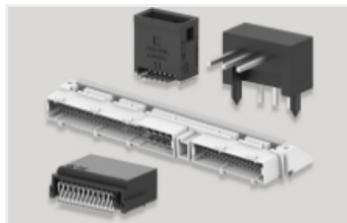
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)



Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles (93)

Customers Also Bought



TE Part #T4162114005-004  
RPC-M12-5MS-3.0SH-M12-5FR-PVC



TE Part #5-160465-1  
250 FASTON REC 18-16 AWG BR



TE Part #1-172165-2  
2CIR MINI U-M-N-L PLUG RED



TE Part #172168-1  
6 CIR UNIV M-N-L PLUG



## Documents

### Product Drawings

#### MINI U-M-N-L SOCKET CONTACT

English

### 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