



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

TE Internal #: 1-770904-1

Socket Contact, Gold, 600 VAC, 600 VDC, 22 – 18 AWG Wire Size, .3 – .9 mm<sup>2</sup> Wire Size, Crimp, Phosphor Bronze, Power, Mini-Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold**

Wire Contact Termination Area Plating Material: **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**

Mating Pin Diameter	1 mm[.039 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With



Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	11.2 A
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### Termination Features

Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire & Cable
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### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

Compatible Insulation Diameter Range	1.5 – 2.39 mm [.059 – .094 in]
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Wire Size	.3 – .9 mm <sup>2</sup>
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 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	4500
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Packaging Method	Reel
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not reviewed for solder process capability
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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 # CAT-AM71-C83998EE  
Mini Circular Plastic Connectors (CPC)



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



TE Part # 2151030-1  
OCEAN\_2\_0\_APPLICATOR-S-062F110F



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



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



TE Part # 794942-1  
10P MINI UMNL CAP HSG



TE Part # 770587-1  
24P MINI UMNL PLUG HSG



TE Part # 770582-1  
14P MINI UMNL PLUG HSG



TE Part # 770585-1  
20P MINI UMNL PLUG HSG



TE Part # 172333-1  
MINI UNIVERSAL M-N-L HOUSING



TE Part # 794781-1  
10P MINI UMNL PLUG HSG



TE Part # 794941-1  
08P MINI UMNL CAP HSG



TE Part # 794895-1  
6 CIR MINI UMNL RND WIRE HOLES



TE Part # 794821-1  
08P MINI UMNL PLUG HSG



TE Part # 794940-1  
06P MINI UMNL CAP HSG



TE Part # 770581-1  
12P MINI UMNL PLUG HSG



TE Part # 770580-1  
10P MINI UMNL PLUG HSG



TE Part # 770584-1  
18P MINI UMNL PLUG HSG



TE Part # 172328-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P

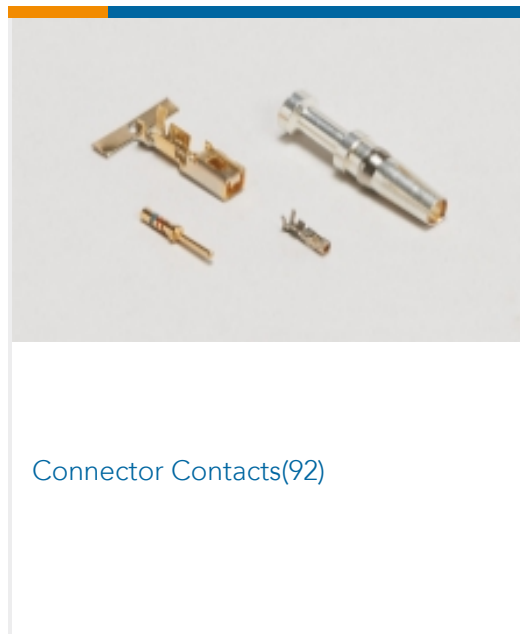


TE Part # 172330-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P

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



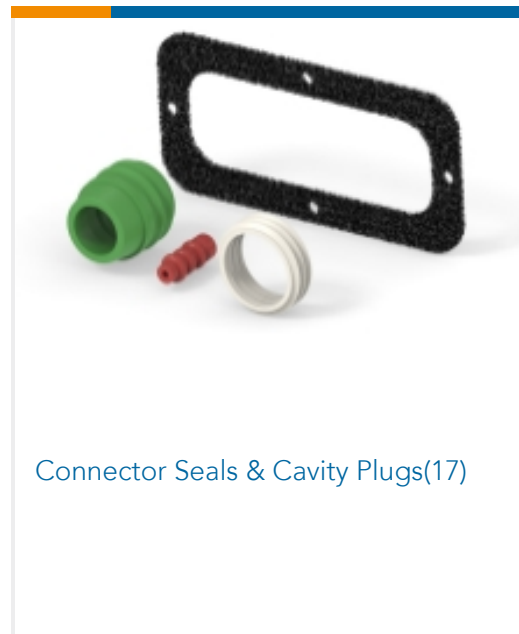
Connector Caps & Covers(2)



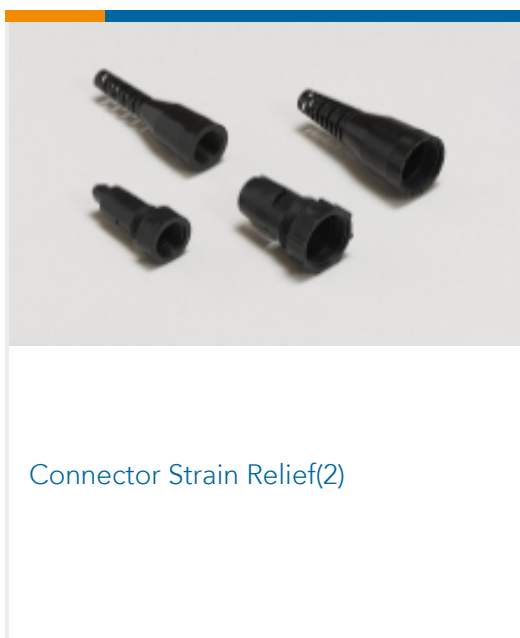
Connector Contacts(92)



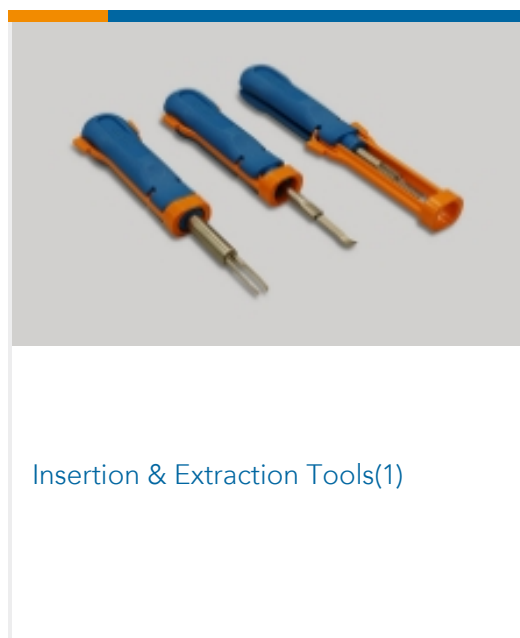
Connector Hardware(4)



Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Rectangular Power Connectors(197)

## Customers Also Bought



TE Part #TAA753A5501-020  
M12A5-FS-PUR-2.0M



TE Part #52957-1  
TERMINAL,PG SPR SPD 16-14 10



TE Part #52955-3  
TERMINAL,PG SPR SPD 16-14 6



TE Part #776164-5  
35POS,AMPSEAL,SOC HSG ASSY,SLD, COD 5





TE Part #2-380935-0  
MR SPLT GROMET .437 DIA BLK LF



TE Part #3-1415419-5  
0419 11 0301 00



TE Part #1-794406-0  
MINI UMNL SOK 20-16 AWG AU LF



TE Part #53832-1  
SOLIS SP SPD22-16COM22-18MIL10



TE Part #62795-1  
SPRING SPADE TERMINAL .164 16-12AWG TPBR



TE Part #2-1393561-4  
V42254A 261V 18=RAENDELSCHRAUB

## Documents

### Product Drawings

#### MINI UMNL SOK 22-18AWG AU LF

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-770904-1\\_W.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-770904-1\\_W.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-770904-1\\_W.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

#### AMP Circular Connectors for Commercial Signal & Power Applications Continued

English

#### SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

### Product Specifications

#### Product Specification

English



### Product Specification

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English