

1-770987-0 ✓ ACTIVE

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

TE Internal #: 1-770987-0

Gold (Au), Pin Contact, 22 – 18 AWG, 600 VAC, 600 VDC, .3 – .9 mm<sup>2</sup> Wire, Crimp, Brass, Power, -55 – 105 °C [-67 – 221 °F], Mini-Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold (Au)**

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

Operating Voltage: **600 VDC**

## Features

### Product Type Features

Discrete Wire Type **Stranded**

### Electrical Characteristics

Operating Voltage **600 VDC**

### Contact Features

Contact Type **Pin**

Contact Mating Area Plating Material **Gold (Au)**

Wire Contact Termination Area Plating Material **Tin**

Contact Retention Within Housing **With**

Contact Base Material **Brass**

Contact Current Rating (Max) **9.5 A**

Mating Pin Diameter **1 mm [.039 in]**

Contact Mating Area Plating Material Thickness **.76 µm [30 µin]**

Wire Contact Termination Area Plating Thickness **2.54 µm [100 µin]**

Wire Contact Termination Area Plating Material Finish **Bright**

Contact Orientation **Straight**

Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	1.27 µm[50 µin]
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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

Wire Size	.3 – .9 mm <sup>2</sup>
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Compatible Insulation Diameter Range	1.5 – 2.39 mm[.059 – .094 in]
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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	1000
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Packaging Method	Bag
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability

Not applicable for solder process capability

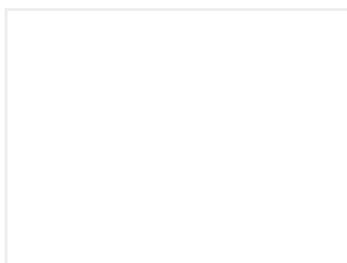
Product Compliance Disclaimer

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>

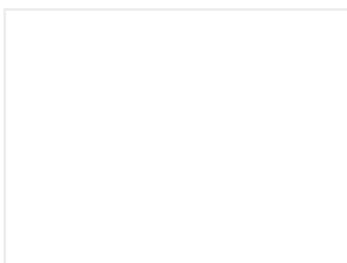
### Compatible Parts



TE Part # 1-172233-6  
2 POS MINI UNIV FREE HANG BLUE



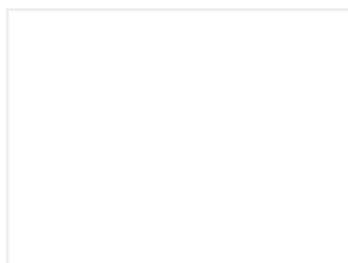
TE Part # 2-172160-1  
6 CIR UNIV M-N-L CAP



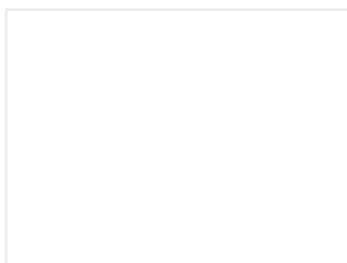
TE Part # 8-170362-4  
MINI UNIVERSAL M-N-L SOCKET



TE Part # 1-172157-2  
2CIR MINI U-M-N-L CAP RED



TE Part # 1-794941-9  
8P MINI UMNL CAP SEALED BLK



TE Part # 170362-01  
HY SS Microport Mitral 3



TE Part # 1445825-3  
RECPT,11-9,FREE HNG,STD KEY



TE Part # 1445537-3  
REC,8-3,FLNG MT,LG INS,STD KEY



TE Part # 1445807-3  
PLUG,11-9,LG INS,STD KEY



TE Part # 1445535-3  
PLUG,8-2,LG INS,STD KEY



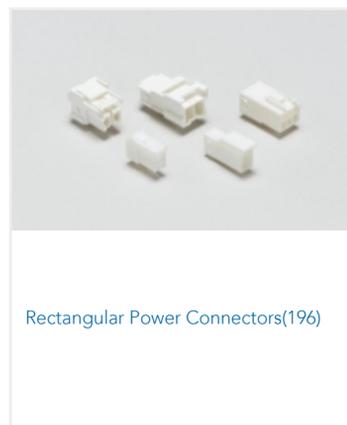
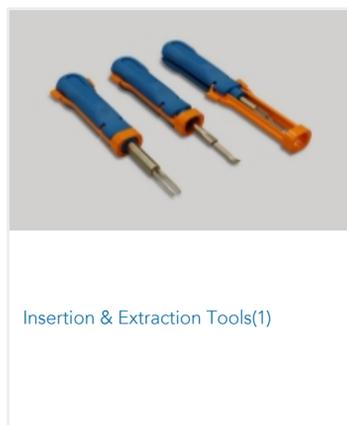
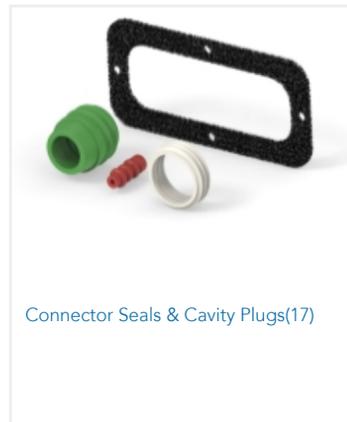
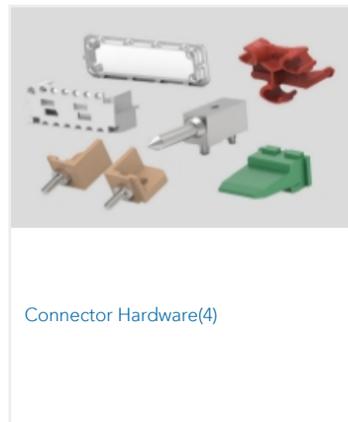
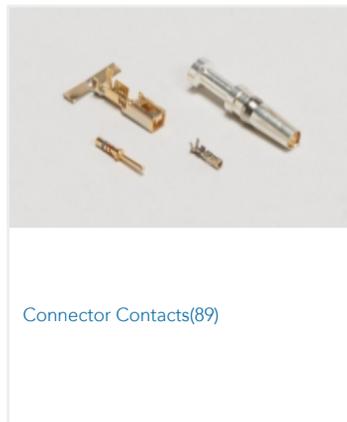
TE Part # 1-770903-0  
MINI UMNL PIN 22-18 AWG AU



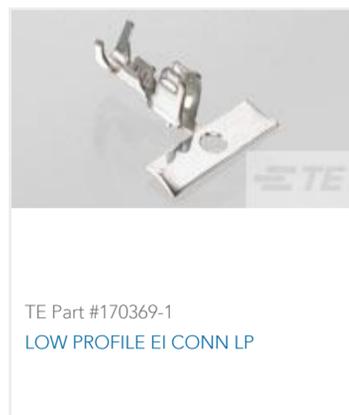
TE Part # 1445827-1  
REC,11-7,FRE HNG,SM INS,STD KE



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



## Customers Also Bought



## Documents

### Product Drawings

[MINI UMNL PIN 22-18 AWG AU LP](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-770987-0\\_E.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-770987-0\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-770987-0\\_E.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

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[Product Specifications](#)

[Application Specification](#)

English

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[Instruction Sheets](#)

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

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