

770904-1 ✓ ACTIVE

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

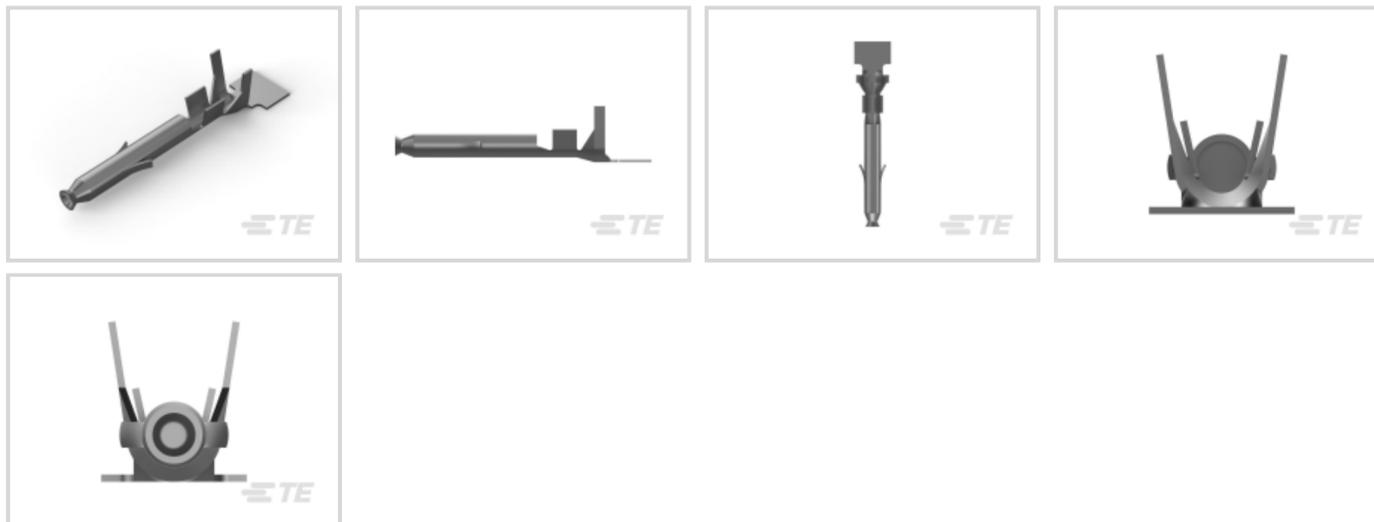
TE Internal #: 770904-1

Tin (Sn), Socket Contact, 22 – 18 AWG, 600 VAC, 600 VDC, .3 – .9 mm² 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: **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)	11.2 A
Mating Pin Diameter	1 mm [.039 in]
Wire Contact Termination Area Plating Thickness	2.54 µm [100 µin]
Wire Contact Termination Area Plating Material Finish	Bright
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	.3 – .9 mm ²
Compatible Insulation Diameter Range	1.5 – 2.39 mm [.059 – .094 in]

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
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

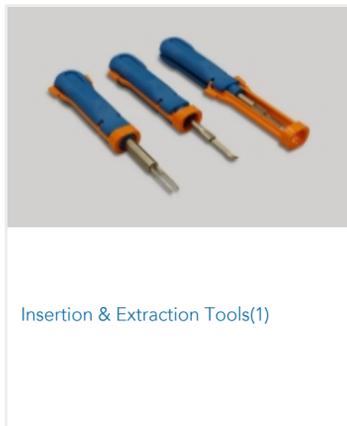
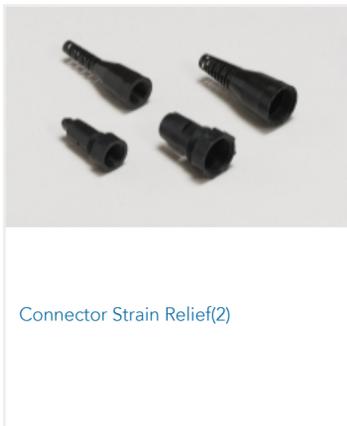
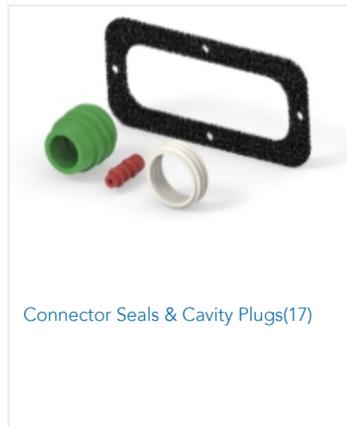
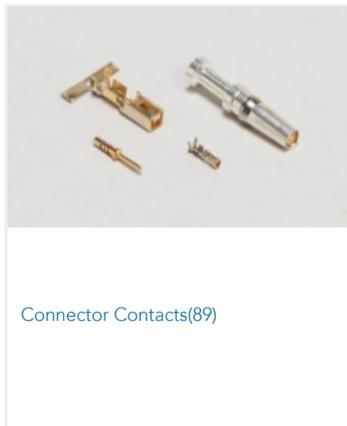
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 <p>TE Part # 2354053-1 MINI UMNL PIN 20-18 AWG AU LP</p>	 <p>TE Part # 1445824-1 REC,11-5,FLNG MT,SM INS,STD KE</p>	 <p>TE Part # 172338-1 MINI UMNL PLUG HOUSING 4P</p>	 <p>TE Part # 170364-3 MINI UNIVERSAL M-N-L PIN LP</p>
 <p>TE Part # 172168-1 6 CIR UNIV M-N-L PLUG</p>	 <p>TE Part # 170362-3 MINI UNIVERSAL M-N-L SOCKET</p>	 <p>TE Part # 189727-1 EXTRACTION TOOL</p>	 <p>TE Part # 1-172167-9 4 POS SR MINI UNIV</p>
 <p>TE Part # 1-172338-2 4CIR MINI-UMNL PLUG RED</p>	 <p>TE Part # 1-172233-2 2 POS MINI UNIV FREE HANG RED</p>	 <p>TE Part # 1-172166-2 MINI-U-M-N-L 3P PLUG RED</p>	 <p>TE Part # 1-1897620-1 MINI MTDL 10P PLUG HSG</p>
 <p>TE Part # 1445535-1 PLUG,8-2,LG INS,STD KEY</p>	 <p>TE Part # 1586404-1 16P MINI UMNL CAP HSG SEALED</p>	 <p>TE Part # 172167-1 4 CIR UNIV M-N-L PLUG</p>	 <p>TE Part # 170360-3 MINI UNIVERSAL M-N-L PIN</p>



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

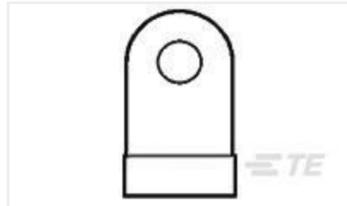


Customers Also Bought

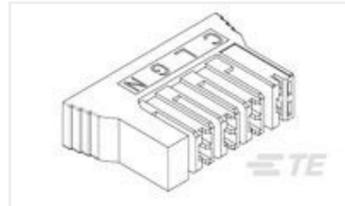




TE Part #206306-3
CPC RECPT SEALED SIZE 23-37



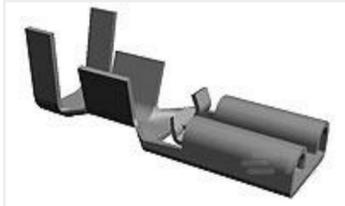
TE Part #321580
TERMINAL,SOLIS FLAG R 1/0 5/16



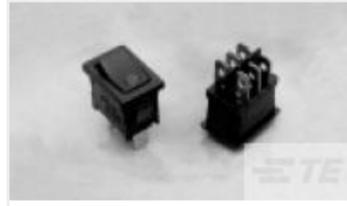
TE Part #521781-1
250 HSG. PL MKIII REC. 6.81mm 4P
NAT



TE Part #770583-1
16P MINI UMNL PLUG HSG



TE Part #1217113-2
187 PL MKIII REC. 22-18AWG TPBR



TE Part #1571091-2
PRBSA1-16F-BB0BW=POWER
ROCKER

Documents

Product Drawings

MINI UMNL SOK 22-18 AWG SN

English

CAD Files

Customer View Model

[ENG_CVM_CVM_770904-1_W.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770904-1_W.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_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

Application Specification

English



[Instruction Sheets](#)

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

English