



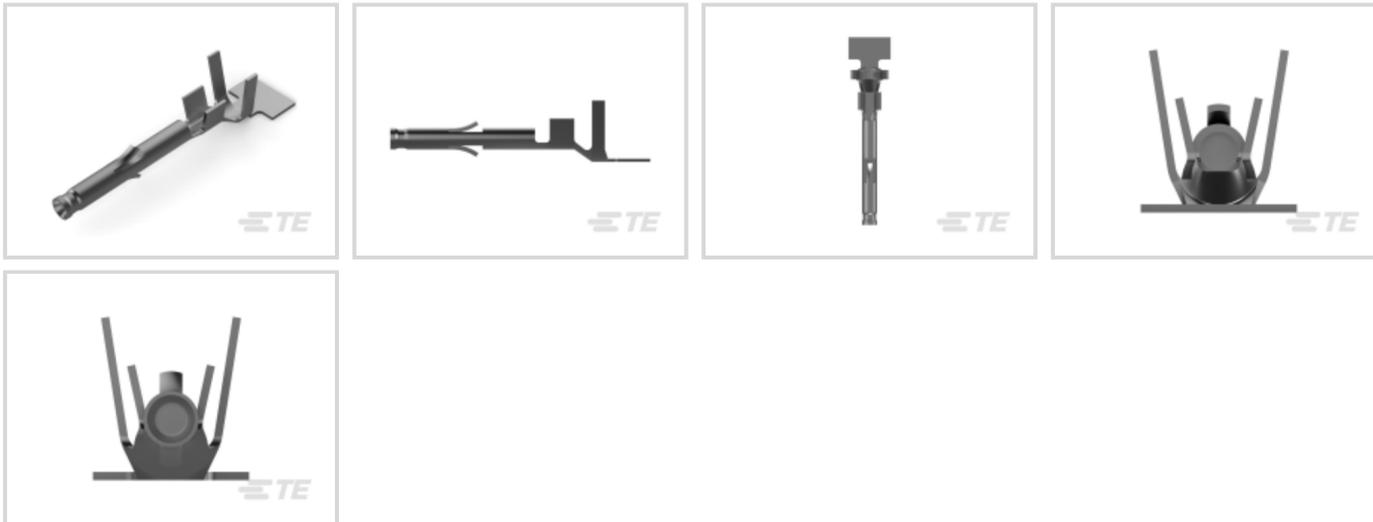
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 171639-1

Tin (Sn), Socket Contact, 20 – 16 AWG, 600 VAC, 600 VDC, .5 – 1.3 mm² 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]
Wire Contact Termination Area Plating Material Finish	Matte
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 ²
Compatible Insulation Diameter Range	2.4 mm[.094 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	300
Packaging Method	Bag

Product Compliance

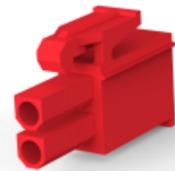
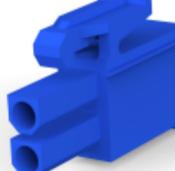
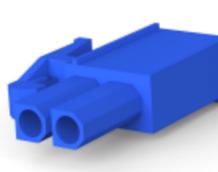
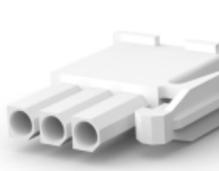
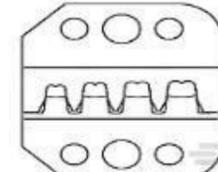
[For compliance documentation, visit the product page on TE.com>](#)

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

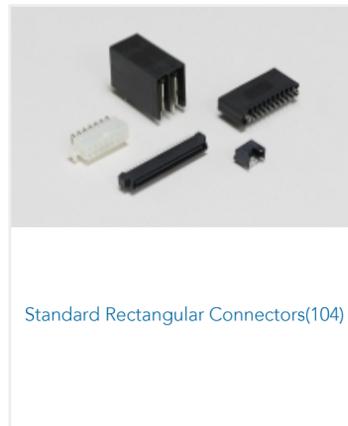
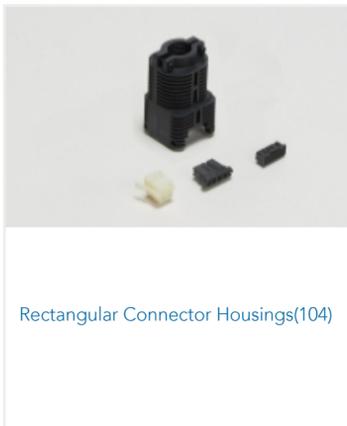
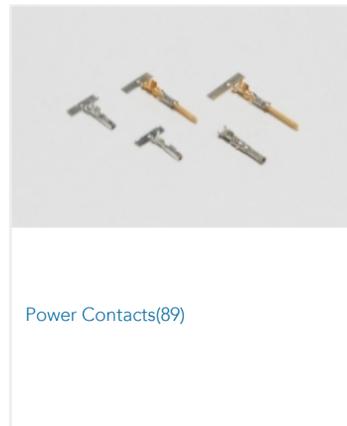
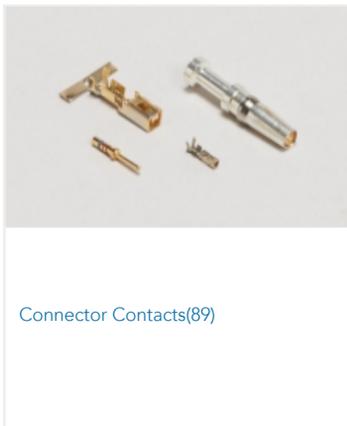
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 794407-5 MINI UNML SCKT 20-16AWG UNPLTD</p>	<p>TE Part # 1-172336-7 2P MINI UNI-M-N-L PLUG HSG</p>	<p>TE Part # 1-794805-9 4P MINI UMNL PLUG SEALED BLK</p>	<p>TE Part # 1-794781-9 10P MINI UMNL PLUG SEALED BLK</p>
 <p>TE Part # 1-172336-2 UNIVERSAL MATE-N-LOK PLUG 2P</p>	 <p>TE Part # 1-172336-6 UNIVERSAL MATE-N-LOK PLUG 2P</p>	 <p>TE Part # 172171-1 15 CIR UNIV M-N-L PLUG</p>	 <p>TE Part # 1-172165-9 2CIR MINI U-M-N-L PLUG BLCK</p>
 <p>TE Part # 1-172169-2 MINI UNIVERSAL M-N-L PLUG 9P</p>	 <p>TE Part # 172158-1 3 CIR UNIV M-N-L CAP</p>	 <p>TE Part # 1-172165-6 2CIR MINI U-M-N-L PLUG BLUE</p>	 <p>TE Part # 1-172169-9 9 POS TR MINI UNIV</p>
 <p>TE Part # 171638-1 MINI U-M-N-L PIN CONT. L.P</p>	 <p>TE Part # 172166-1 3 CIR UNIV M-N-L PLUG</p>	 <p>TE Part # 794435-1 06P PLUG HSG HINGE CONN</p>	 <p>TE Part # 90760-2 PROCIMP DIE MINI UNIV MNL</p>



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



Customers Also Bought





Documents

Product Drawings

MINI U-M-N-L SOCKET L.P

English

CAD Files

Customer View Model

ENG_CVM_CVM_171639-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_171639-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_171639-1_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Application Specification

English

Crimping of Mini-Universal MATE-N-LOK Contact

Japanese

Application Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

171639-1

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Brass, Power, -20 – 105 °C [-4 – 221 °F], Mini-Universal MATE-N-LOK



Japanese