

171639-1 ✓ ACTIVE

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

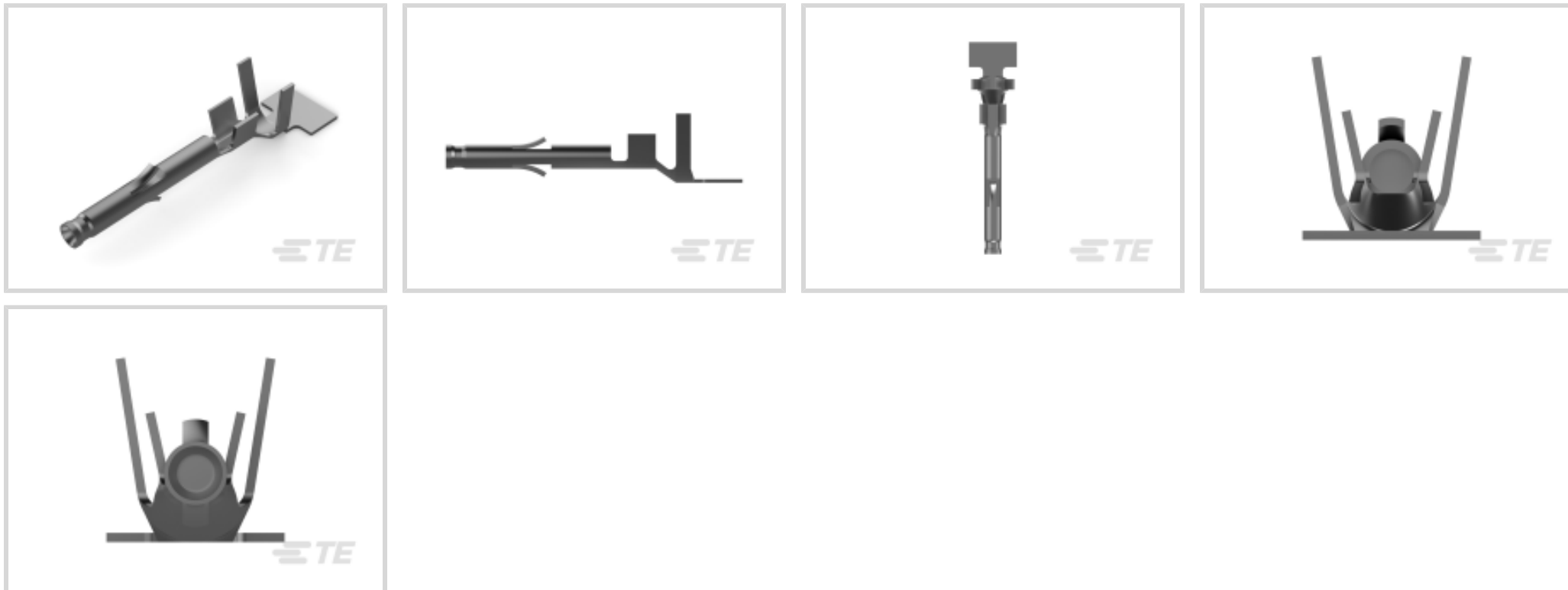
TE Internal #: 171639-1

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

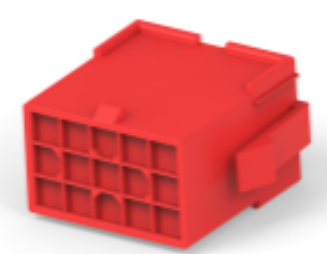

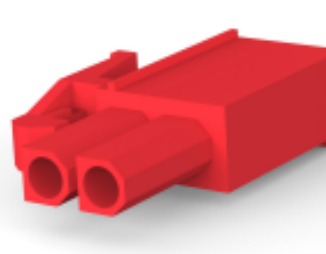

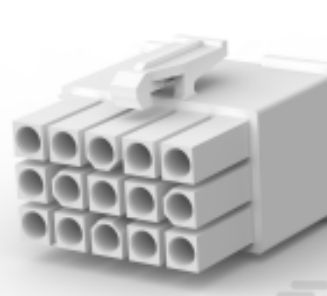

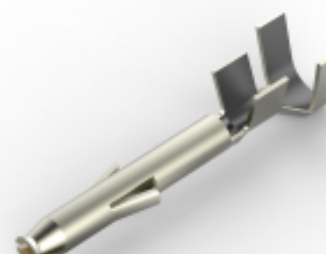

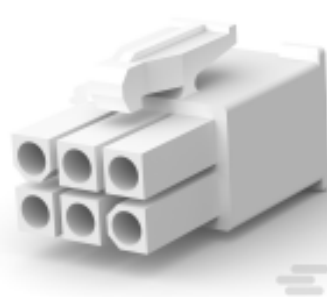

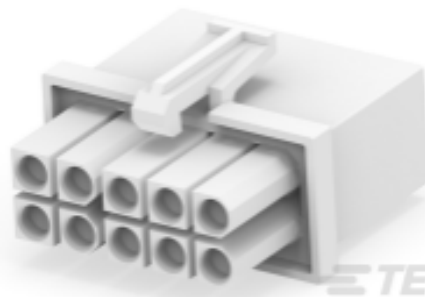

[For compliance documentation, visit the product page on TE.com>](#)

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

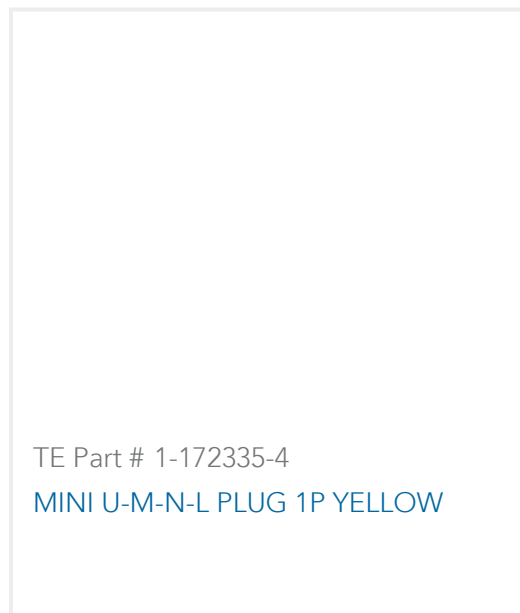
<p>TE Part # 1-172342-4 MINI U-M-N-L PLUG 15P YELLOW</p>	<p>TE Part # 1-172339-4 MINI U-M-N-L PLUG 6P YELLOW</p>	<p>TE Part # 1-172169-4 MINI USL M-N-L PLUG HSG</p>	<p>TE Part # 1-172168-4 6P MINI USL M-N-L PLUG HSG</p>
 <p>TE Part # 1-172163-2 15 POS TR MINI UNIV</p>	 <p>TE Part # 172169-1 9 CIR UNIV M-N-L PLUG</p>	 <p>TE Part # 1-172165-2 2CIR MINI U-M-N-L PLUG RED</p>	 <p>TE Part # 1-172168-9 MINI UNIVERSAL M-N-L PLUG 6P</p>
 <p>TE Part # 172342-1 MINI UMNL PLUG HOUSING 15P</p>	 <p>TE Part # 1-172337-4 MINI U-M-N-L PLUG 3P YELLOW</p>	 <p>TE Part # 1-794407-0 MINI UMNL SOK 20-16 AWG AU LF</p>	 <p>TE Part # 172160-1 6 CIR UNIV M-N-L CAP</p>
 <p>TE Part # 172339-1 MINI UMNL PLUG HOUSING 6P</p>	 <p>TE Part # 455830-1 INSERTION TOOL</p>	 <p>TE Part # 794781-1 10P MINI UMNL PLUG HSG</p>	 <p>TE Part # 91536-1 CCII MINI-UMNL PIN 20-18 16-20x2 ASSY</p>



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



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

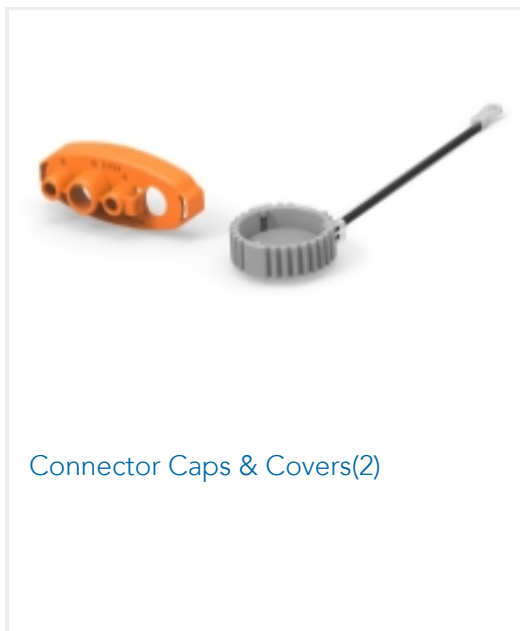


TE Part # 1-172335-4
MINI U-M-N-L PLUG 1P YELLOW

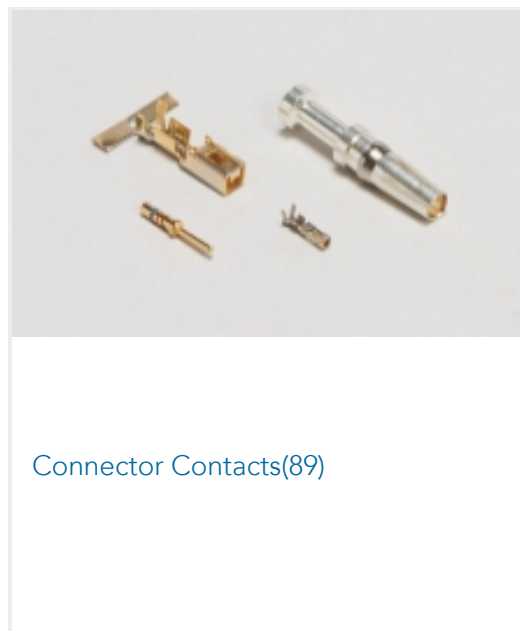


TE Part # 1-172336-4
MINI U-M-N-L PLUG 2P YELLOW

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



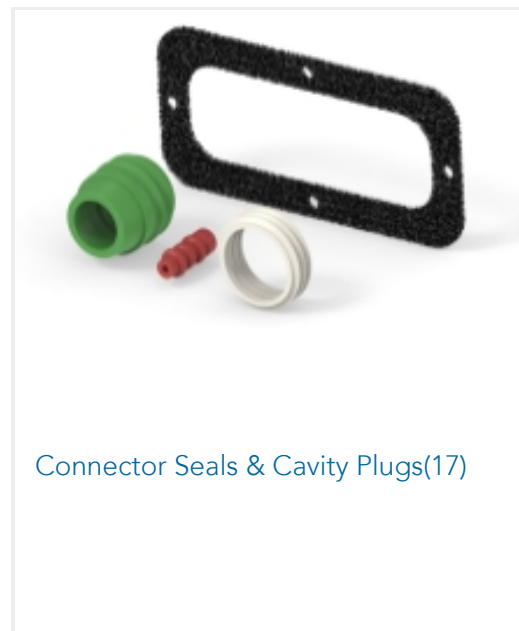
Connector Caps & Covers(2)



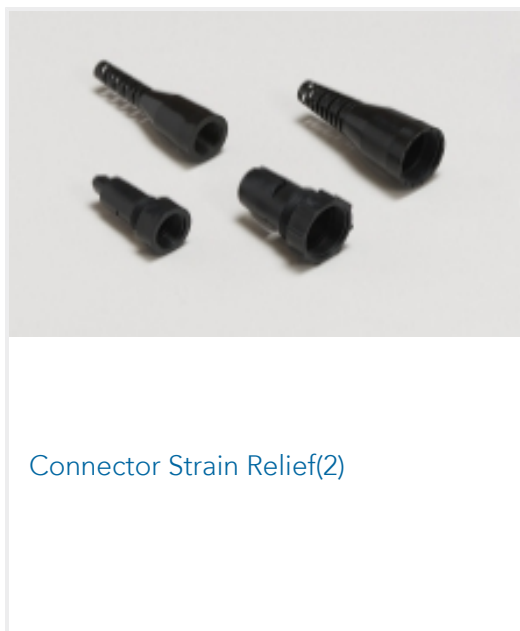
Connector Contacts(89)



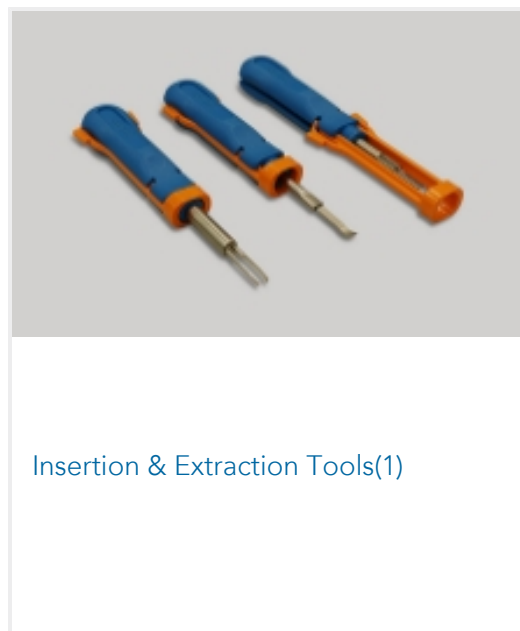
Connector Hardware(4)



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 #A39093-000
B-155-11



TE Part #EC7660-000
HLX253WE1TS070B



TE Part #E39668-000
B-155-13



TE Part #F33138-000
B-155-07-S



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](#)

Japanese

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Click below to explore more details on WIN SOURCE:

 [View 171639-1](#) on WIN SOURCE

 [TE Connectivity](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management