



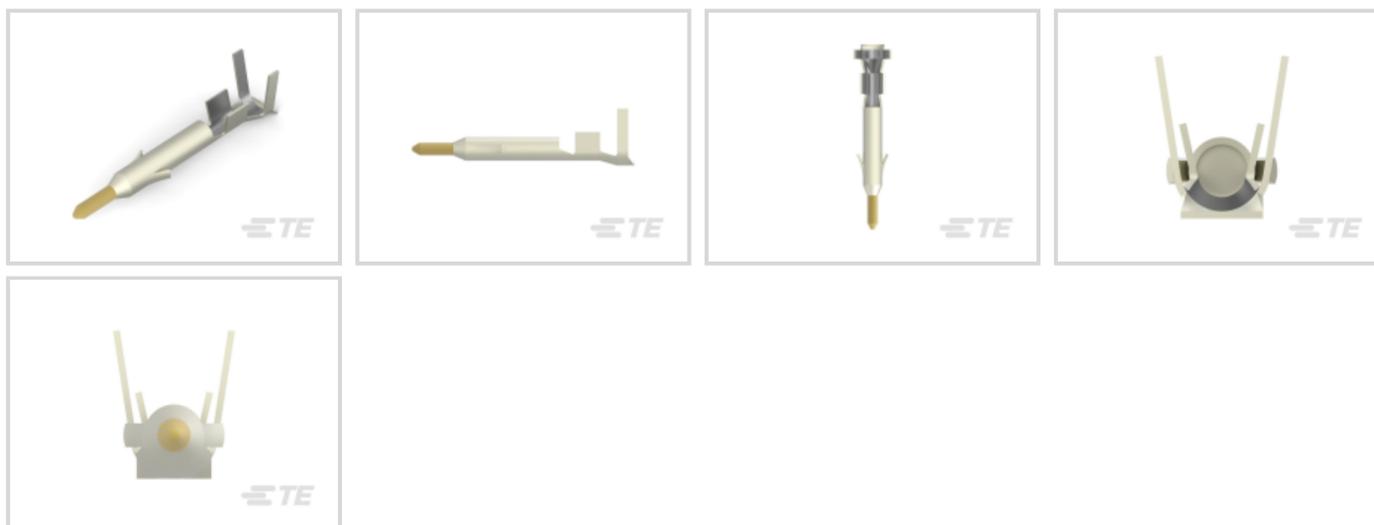
MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 1-770903-1

Gold (Au), Pin Contact, 22 – 18 AWG, 600 VAC, 600 VDC, .3 – .9 mm² Wire, Crimp, Phosphor Bronze, Power, 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
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Electrical Characteristics

Operating Voltage	600 VDC
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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	Phosphor Bronze
Contact Current Rating (Max)	11.2 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 ²
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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	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	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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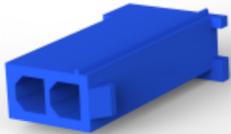
Solder Process Capability

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



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



TE Part # 1445538-3
REC,8-2,FLNG MT,LG INS,STD KEY



TE Part # 1445820-3
PLUG,11-5,LG INS,STD KEY



TE Part # 1445807-1
PLUG,11-9,SM INS,STD KEY



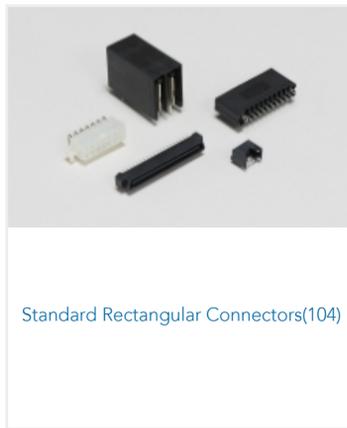
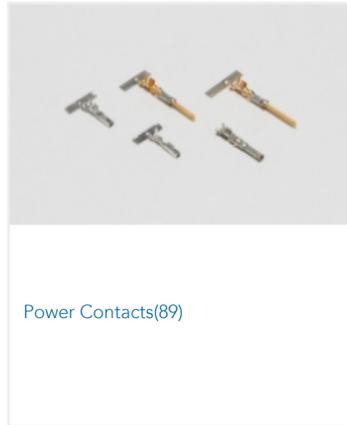
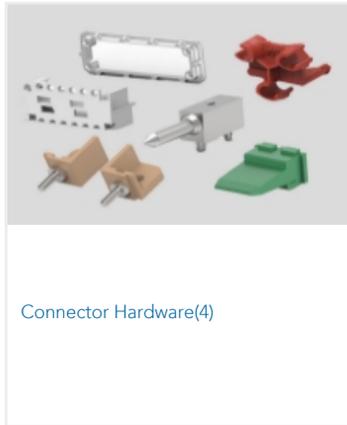
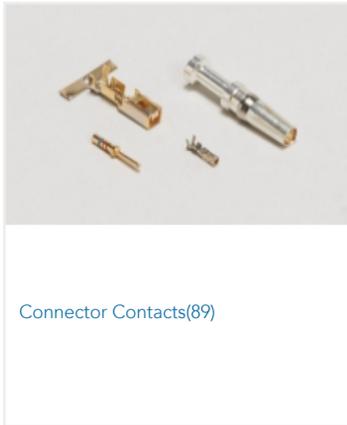
TE Part # 172329-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



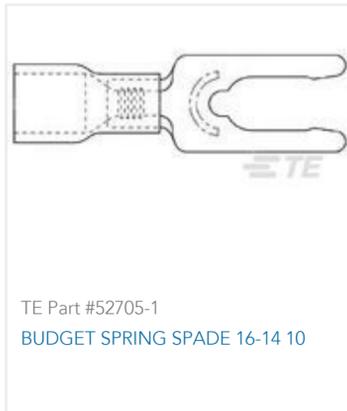
TE Part # 172161-1
9 CIR UNIV M-N-L CAP



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

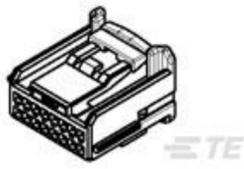


Customers Also Bought

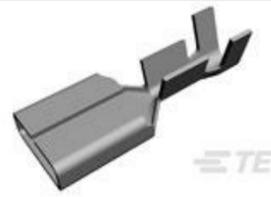




TE Part #647466-2
SL156 RECPT, AUNI/PHBZ, 16AWG



TE Part #1379665-1
16W PLUG HSG ASSY BLACK



TE Part #1544545-3
CLIP 2,8 E.D. 0,2-



TE Part #1-2213764-5
AV19 SPM 3A FIX RING LED GREEN
24V



TE Part #1-2213764-9
AV19 SPM 3A FIX RING LED BLUE 24V



TE Part #2-6609104-9
PE0S0DSXB=C1302

Documents

Product Drawings

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

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-770903-1_U.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-770903-1_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770903-1_U.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

Instruction Sheets

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

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English