



MATE-N-LOK

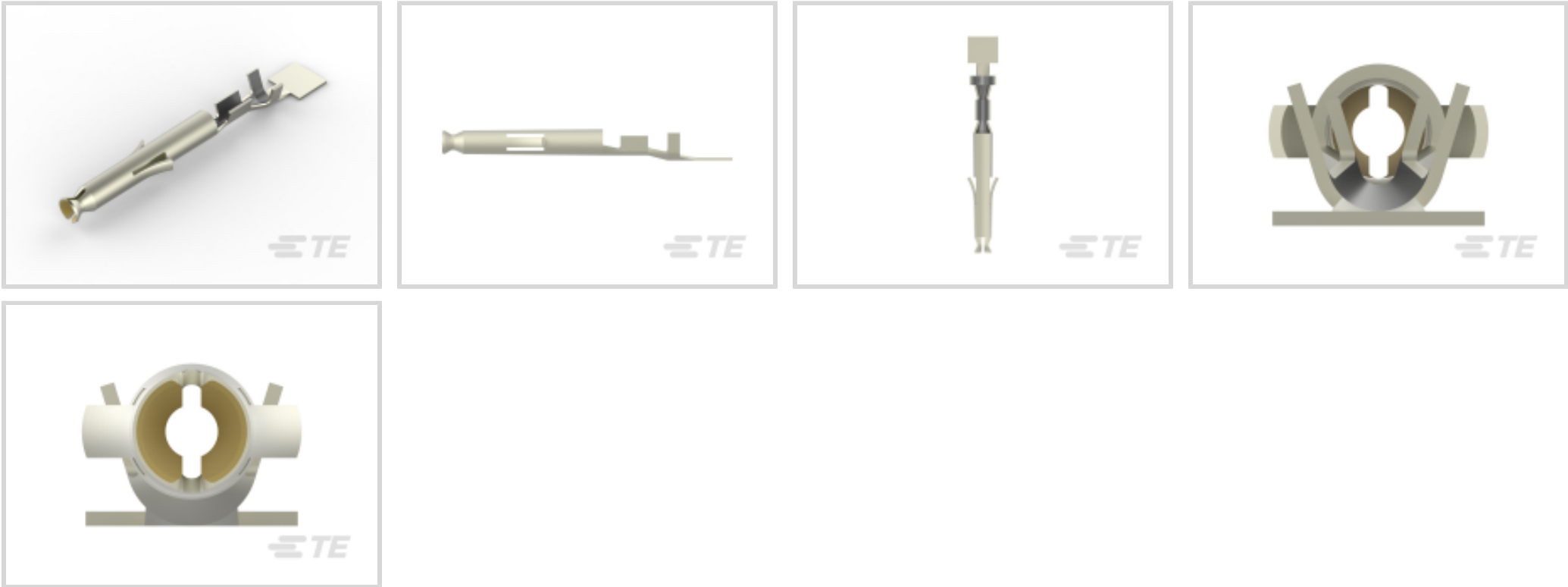
| Mini-Universal MATE-N-LOK, Mini Circular Plastic Connectors

TE Internal #: 1-770834-0

Socket Contact, Gold (Au), 600 VAC, 600 VDC, 30 – 26 AWG, .05 – .15 mm² Wire, Crimp, Brass, Power, Mini-Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

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 Underplating Material	Nickel
Contact Orientation	Straight
Mating Pin Diameter	1 mm[.039 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Contact Type	Socket
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)	11.2 A

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Compatible Insulation Diameter Range	.89 – 1.27 mm [.035 – .05 in]
Wire Size	.05 – .15 mm²

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
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	10000
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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free



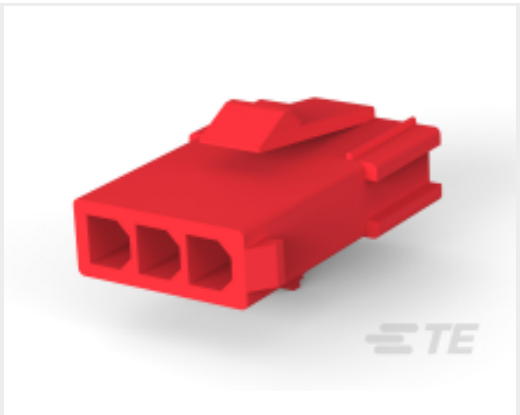
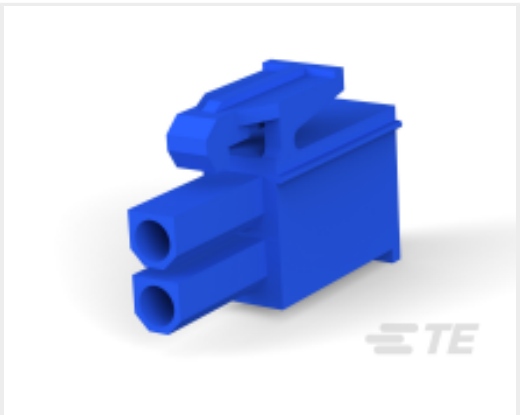
Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

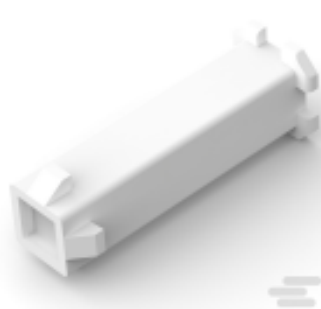
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 TE Part # 1-172164-2 MINI UNIVERSAL M-N-L PLUG 1P	 TE Part # 1-172169-2 MINI UNIVERSAL M-N-L PLUG 9P	 TE Part # 1-172158-2 MINI-U-M-N-L 3P CAP RED	 TE Part # 1-172158-6 MINI-U-M-N-L 3P CAP BLUE
 TE Part # 1-172336-2 UNIVERSAL MATE-N-LOK PLUG 2P	 TE Part # 1-172330-9 UNIVERSAL MATE-N-LOK CAP 4P	 TE Part # 1-172336-6 UNIVERSAL MATE-N-LOK PLUG 2P	 TE Part # 172162-1 12 CIR UNIV M-N-L CAP
 TE Part # 1445390-3 PLUG,8-4,LG INS,STD KEY	 TE Part # 172166-1 3 CIR UNIV M-N-L PLUG	 TE Part # 1445389-1 REC,8-4,FREE HG,SM INS,STD KEY	 TE Part # 1445522-3 REC,8-2,FRE HNG,LG INS,STD KEY



TE Part # 1445828-1
REC,11-6,FRE HNG,SM INS,STD KE



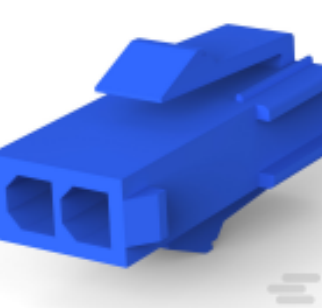
TE Part # 172327-1
UNIV M-N-L HSG



TE Part # 172332-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 9P



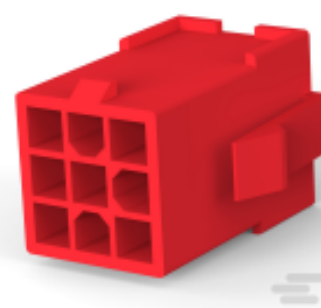
TE Part # 172344-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



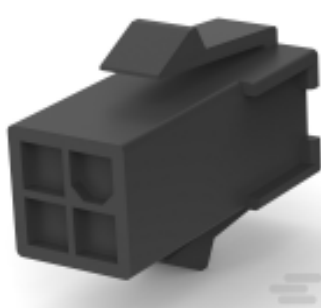
TE Part # 1-172157-6
2CIR MINI U-M-N-L CAP BLUE



TE Part # 1-172165-6
2CIR MINI U-M-N-L PLUG BLUE



TE Part # 1-172332-9
MUMNL PM CAP 9P



TE Part # 1-172159-9
MINI UNIVERSAL M-N-L CAP 4P

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



Connector Caps & Covers(2)



Connector Contacts(20)



Connector Hardware(4)



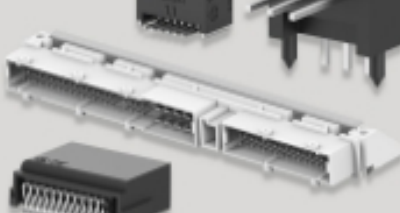
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



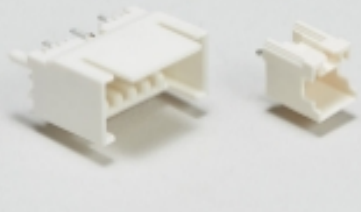
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)



Rectangular Power Connectors(196)



Wire-to-Board Headers & Receptacles (93)

Also in the Series | Mini Circular Plastic Connectors



Circular Power Connectors(40)



Connector Contacts(20)



Power Contacts(20)

Customers Also Bought



TE Part #102394-7
18 AMP MODU MT HSG DR .100CL



TE Part #1534807-1
HD20 COVER KIT 15P



TE Part #234914-1
EXT TOOL FOR POWER DBL LOK TAB



TE Part #5-102398-7
18 AMPMODU MT ASSY DR .100CL



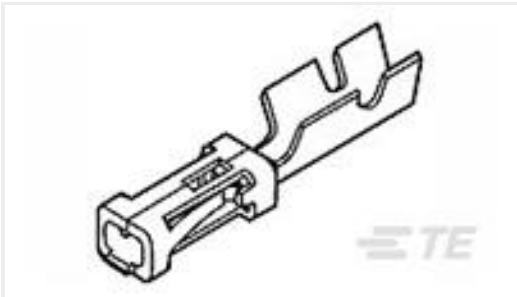
TE Part #5748676-2
DIE CAST CBL CLMP KIT,SZ 2



TE Part #CAT-C8114-EJ79
IEC Filtered Inlets, Corcom EJT Series



TE Part #2-1393225-6
RY612012



TE Part #102917-1
MOD IV RECP PLTD 30 SEL



TE Part #350764-4
12P UMNL HDR ASSY PC

Documents

CAD Files

Customer View Model

[ENG_CVM_1-770834-0_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-770834-0_P.3d_stp.zip](#)

English

Customer View Model



[ENG_CVM_1-770834-0_P.2d_dxf.zip](#)

English

[3D PDF](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-770834-0_V.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770834-0_V.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770834-0_V.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