



MATE-N-LOK

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

TE Internal #: 1-770901-0

Pin Contact, Gold (Au), 600 VAC, 600 VDC, 26 – 22 AWG, .12 – .4 mm² Wire, Crimp, Brass, Power, -55 – 105 °C [-67 – 221 °F], Mini-Universal MATE-N-LOK

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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 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	Bright
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
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	Brass
Contact Current Rating (Max)	9.5 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	1.19 – 1.75 mm[.047 – .069 in]
Wire Size	.12 – .4 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
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Packaging Features

Packaging Quantity	7000
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



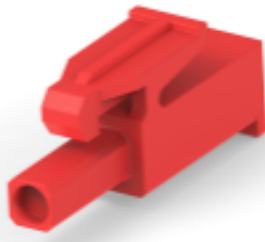
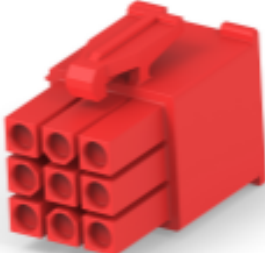
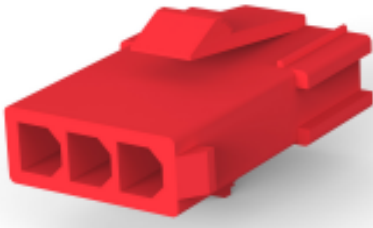
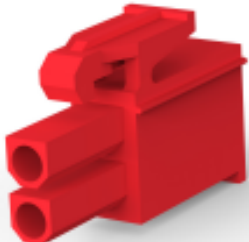
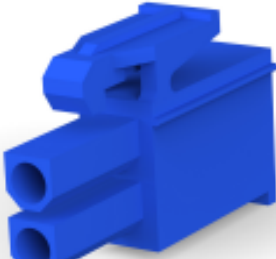
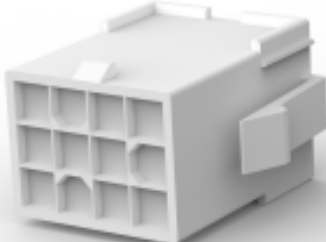
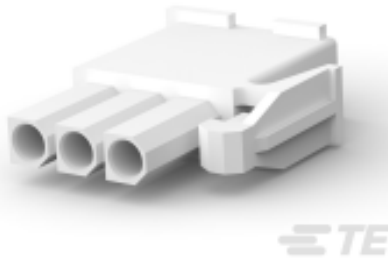
Solder Process Capability

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 # 7-2266674-7 OC-048F080F-752-CRIMPTOOLINGKIT	 TE Part # 794940-1 06P MINI UMNL CAP HSG	 TE Part # 1445390-3 PLUG,8-4,LG INS,STD KEY	 TE Part # 172166-1 3 CIR UNIV M-N-L PLUG



TE Part # 90758-1
PROCRIMP TL W/DIE MIN UNIV MNL

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

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 #1445715-2
75A HSG SUBASY BLACK



TE Part #3-643817-4
04P MTA156 CONN ASSY 18AWG
ORA



TE Part #647879-1
SERIES 50&75 CONTACT,10-12 AWG



TE Part #2-33458-3
TERMINAL,SOLIS R 12-10 1/4



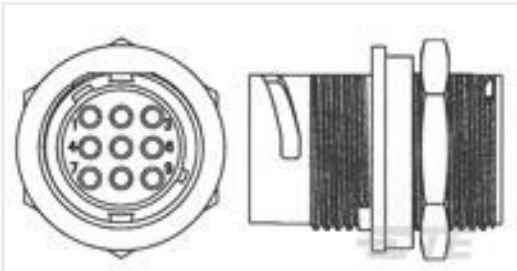
TE Part #350851-2
UMNL SOK 24-18 AUNIBR



TE Part #3-643817-3
03P MTA156 CONN ASSY 18AWG
ORA



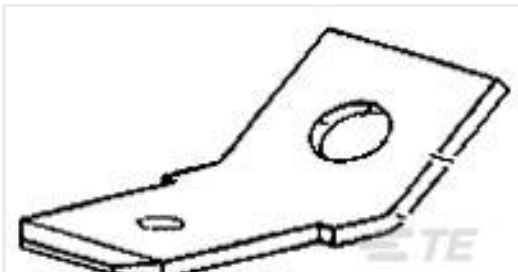
TE Part #500001-1
SPIRAP 1/4" PE, NAT, 50 FT



TE Part #1445816-1
RECPT,11-9,FLNG MT,STD KEY



TE Part #2-6609028-3
40VK6=F7864 S0



TE Part #60465-1
250 FASTON TAB BR

Documents

Product Drawings

MINI UMNL PIN 26-22 AWG AU LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-770901-0_P.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1-770901-0_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770901-0_P.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