



MATE-N-LOK

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

TE Internal #: 1-770985-0

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

[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 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
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag & Box

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 # 1-172233-2 2 POS MINI UNIV FREE HANG RED	 TE Part # 1-172156-2 1 POS SR MINI UNIV	 TE Part # 1-172165-5 2CIR MINI U-M-N-L PLUG GREN	 TE Part # 1-172338-4 MINI U-M-N-L PLUG 4P YELLOW
 TE Part # 1586404-1 16P MINI UMNL CAP HSG SEALED	 TE Part # 172168-1 6 CIR UNIV M-N-L PLUG	 TE Part # 770581-1 12P MINI UMNL PLUG HSG	 TE Part # 172234-1 3P MINI UNIVERSAL MATE-N-LOK CAP HOUSING
 TE Part # 172333-1 MINI UNIVERSAL M-N-L HOUSING	 TE Part # 1445819-1 PLUG,11-6,SM INS,STD KEY	 TE Part # 1445821-1 REC,11-8,FLNG MT,SM INS,STD KE	 TE Part # 1445824-1 REC,11-5,FLNG MT,SM INS,STD KE



TE Part # 1445827-3
REC,11-7,FRE HNG,LG INS,STD KE



TE Part # 1445818-1
PLUG,11-7,SM INS,STD KEY



TE Part # 1445819-3
PLUG,11-6,LG INS,STD KEY



TE Part # 1445535-1
PLUG,8-2,LG INS,STD KEY



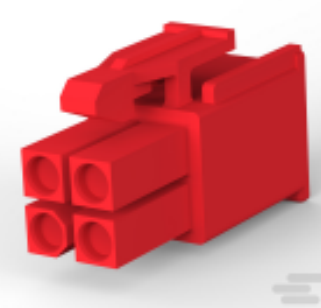
TE Part # 1445817-1
PLUG,11-8,SM INS,STD KEY



TE Part # 794821-1
08P MINI UMN PLUG HSG



TE Part # 1-172157-9
2CIR MINI U-M-N-L CAP BLCK



TE Part # 1-172167-2
4 POS DR MINI UNIV

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)



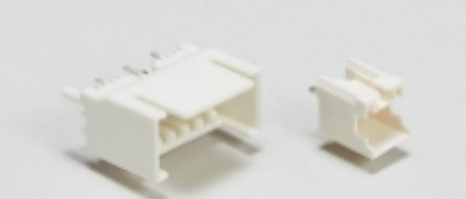
Insertion & Extraction Tools(1)



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



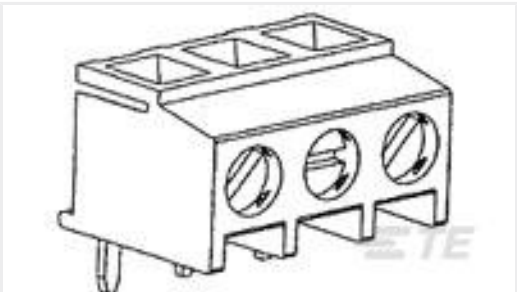
TE Part #1-172159-2
MINI UNIVERSAL M-N-L CAP 4P



TE Part #1445510-3
REC,8-3,FRE HNG,LG INS,STD KEY



TE Part #172330-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P



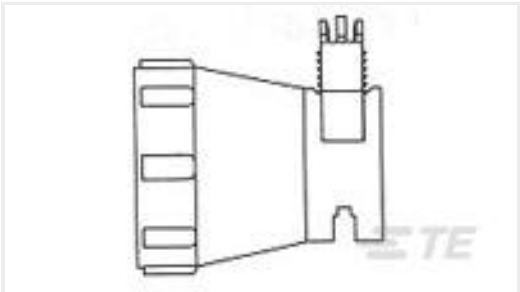
TE Part #284093-6
TERMI-BLOK PCB MOUNT 90, 5,0MM



TE Part #7-1879497-7
CRGH1206 5% 1K5 0.5W



TE Part #776276-2
8POS,PIN DIA 1.3,HDR ASSY,180DEG, COD 2



TE Part #1445730-1
STRN RELIEF ASY,STRT SIZE 8



TE Part #1-172167-2
4 POS DR MINI UNIV



TE Part #1-172167-9
4 POS SR MINI UNIV

Documents

Product Drawings

MINI UMNL PIN 26-22AWG AU LP

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-770985-0_G.2d_dxf.zip



English

Customer View Model

[ENG_CVM_1-770985-0_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-770985-0_G.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-770985-0_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770985-0_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770985-0_D.3d_stp.zip](#)

English

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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