



MATE-N-LOK

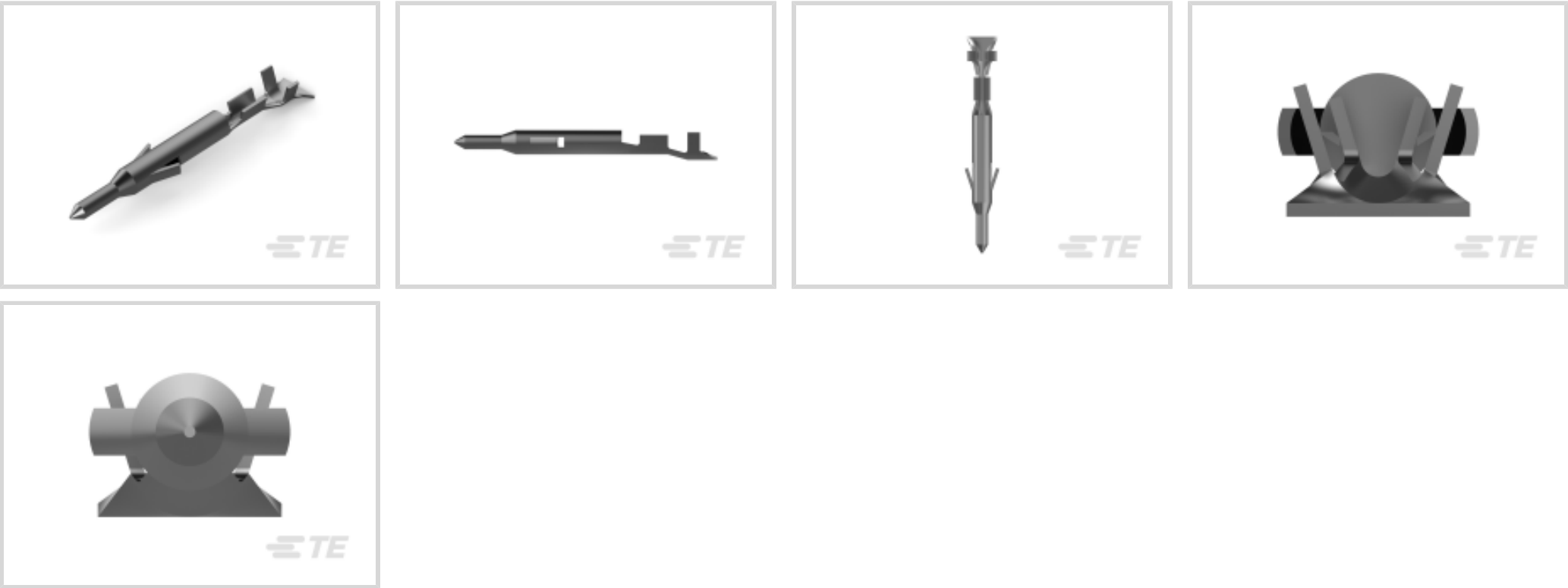
| Mini-Universal MATE-N-LOK, Mini Circular Plastic Connectors

TE Internal #: 794059-1

Pin Contact, Tin (Sn), 600 VAC, 600 VDC, 30 – 26 AWG, .05 – .15 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: **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 Orientation	Straight
Mating Pin Diameter	1 mm[.039 in]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Contact Type	Pin
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Pre-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	.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
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Packaging Features

Packaging Quantity	1000
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	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 # 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 # 1-172157-9
2CIR MINI U-M-N-L CAP BLCK

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

TE Part # 1-172171-9
15 POS TR MINI UNIV

TE Part # 1-172338-2
4CIR MINI-UMNL PLUG RED

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

Connector Caps & Covers(2)

Connector Contacts(20)

Connector Hardware(4)

Power Contacts(20)

Rectangular Connector Housings(104)

Rectangular Power Connectors(196)

Standard Rectangular Connectors(104)

Also in the Series | Mini Circular Plastic Connectors

Circular Power Connectors(40)

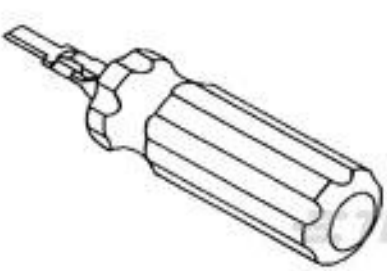
Connector Contacts(20)

Power Contacts(20)

Customers Also Bought



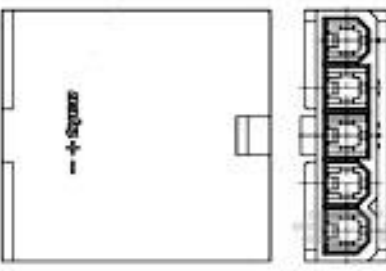
TE Part #172159-1
4 CIR UNIV M-M-L CAP



TE Part #189727-1
EXTRACTION TOOL



TE Part #172167-1
4 CIR UNIV M-M-L PLUG



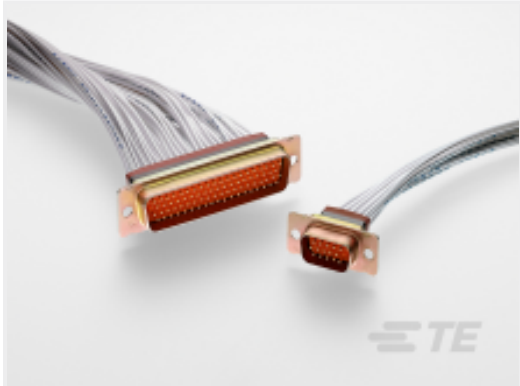
TE Part #1586103-3
3P PLUG VAL-U-LOK SR FH V2



TE Part #2-6609115-2
6EGG1-1 SHORT VERS=F7382E



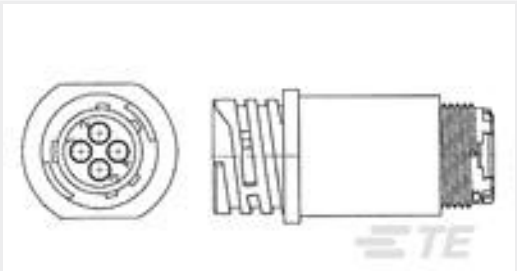
TE Part #172169-1
9 CIR UNIV M-M-L PLUG



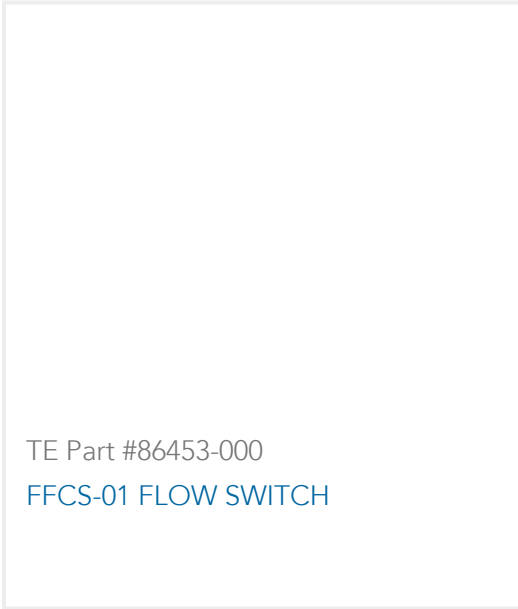
TE Part #1-2221860-1
AMPLIMITE IP67,SZ1, 90, 15 POS,IFS, PLUG



TE Part #175284-5
DYNAMIC D-3 TAB CONT. S PRE-TIN PLUG



TE Part #788159-1
SLD CPC 13-9 RCPT,STD,SM INS



TE Part #86453-000
FFCS-01 FLOW SWITCH

Documents

Product Drawings
MINI UMNL PIN L/P

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_794059-1_E1.3d_igs.zip

English

Customer View Model

ENG_CVM_794059-1_E1.3d_stp.zip

English

Customer View Model

ENG_CVM_794059-1_E1.2d_dxf.zip

English

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_794059-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_794059-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_794059-1_C.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