



MATE-N-LOK

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

TE Internal #: 770835-1

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 Material Finish	Bright
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)	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>

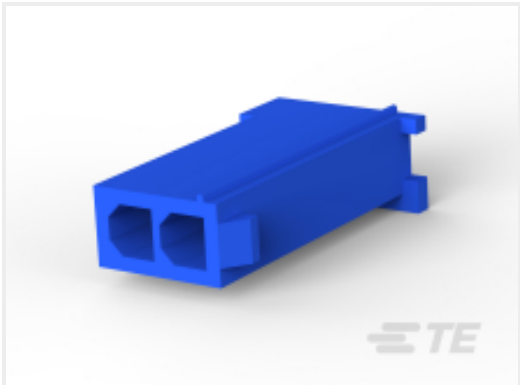
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not 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 # 1-172233-6 2 POS MINI UNIV FREE HANG BLUE	 TE Part # 172340-1 MINI UMNL PLUG HOUSING 9P	 TE Part # 1445510-1 REC,8-3,FRE HNG,SM INS,STD KEY	 TE Part # 1445822-3 REC,11-7,FLNG MT,LG INS,STD KE
 TE Part # 770847-1 03P MINI UMNL PLUG HSG	 TE Part # 172233-1 2 POS MINI UMNL CAP HOUSING	 TE Part # 172337-1 MINI UMNL PLUG HOUSING 3P	 TE Part # 2217755-1 CERTI-CRIMP II HAND TOOL
 TE Part # 1-172168-2 MINI UNIVERSAL M-N-L PLUG 6P	 TE Part # 1-172157-2 2CIR MINI U-M-N-L CAP RED	 TE Part # 770580-1 10P MINI UMNL PLUG HSG	 TE Part # 172336-1 2P MINI UMNL PLUG HOUSING
 TE Part # 770583-1 16P MINI UMNL PLUG HSG	 TE Part # 172170-1 12 CIR UNIV M-N-L PLUG	 TE Part # 172161-1 9 CIR UNIV M-N-L CAP	 TE Part # 1445537-3 REC,8-3,FLNG MT,LG INS,STD KEY





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



TE Part # 1445807-3
PLUG,11-9,LG INS,STD KEY



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



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

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

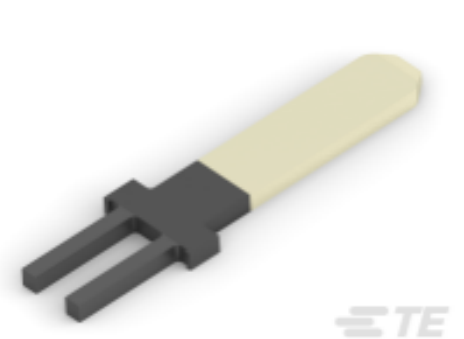




TE Part #2316669-3
HD1 TAB CONTACT AU0.38 L SIZE L/P



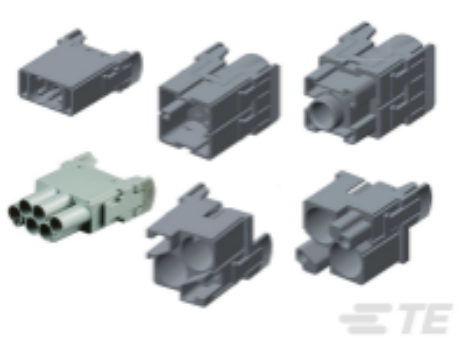
TE Part #1903114-2
DYNAMIC D1000 TAB CONT AU 0.38 um 2L REEL



TE Part #2-1801696-1
TAB 2.3X0.64 NS WITH MULTISPRING PLTD



TE Part #2294417-1
INDUSTRIAL MINI I/O HDR TYPE I EMBOSS



TE Part #CAT-H3399-H648
HDC HMN Modular System, Rail Compliant



TE Part #T2042001060-000
CMML-6.0



TE Part #1-1939638-4
DYNAMIC 1100D HDR ASSY H 28P XBLACK GOLD



TE Part #EM3906-000
MFT-MT2000-NO.2-5-SP

Documents

Product Drawings

MINI UMNL PIN SN

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_770835-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_770835-1_H.3d_stp.zip

English

Customer View Model

ENG_CVM_770835-1_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770835-1_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770835-1_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770835-1_M.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

Agency Approvals

Agency Approval Document

English