



MATE-N-LOK

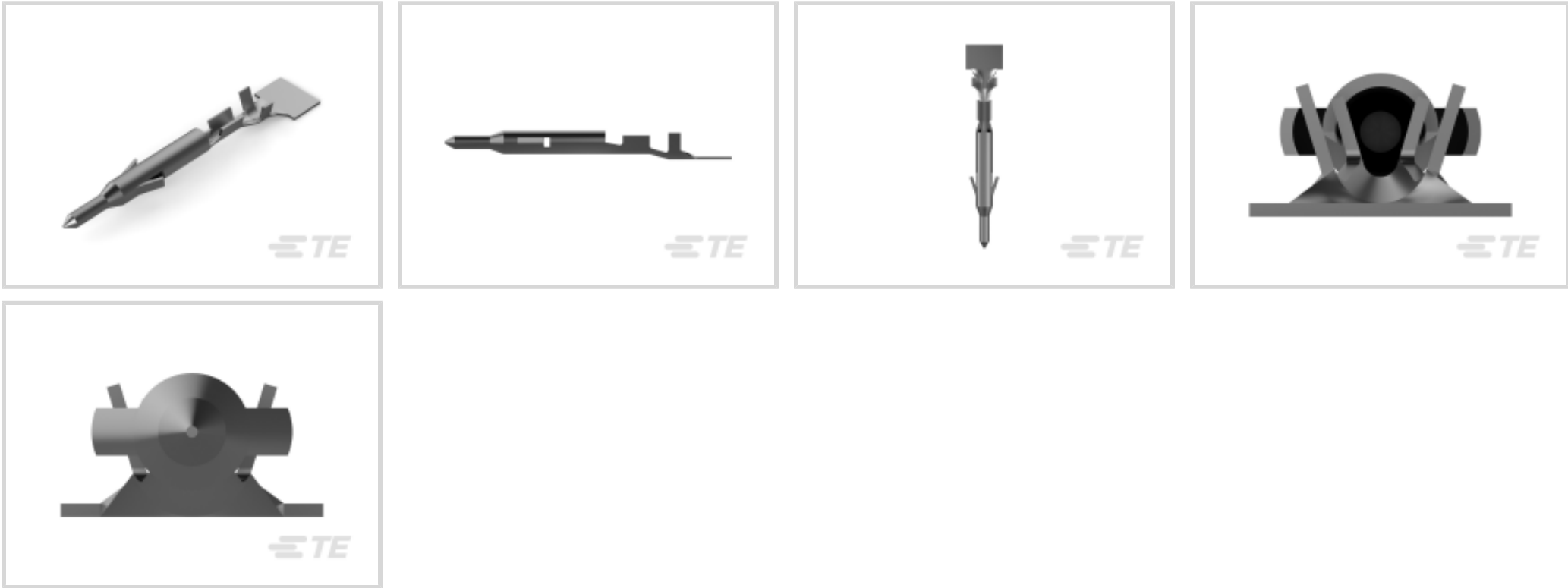
| Mini Circular Plastic Connectors, Mini-Universal MATE-N-LOK

TE Internal #: 770835-1

Tin (Sn), Pin Contact, 30 – 26 AWG, 600 VAC, 600 VDC, .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 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
Mating Pin Diameter	1 mm[.039 in]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight

Termination Features



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

Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

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

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>

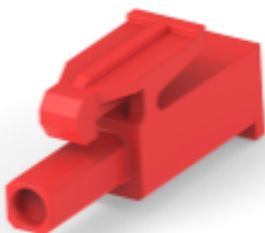
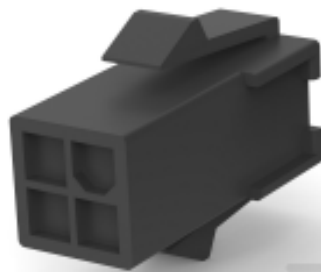
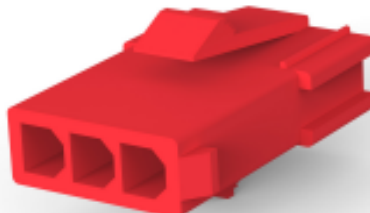
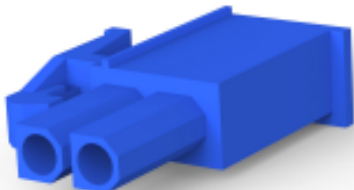
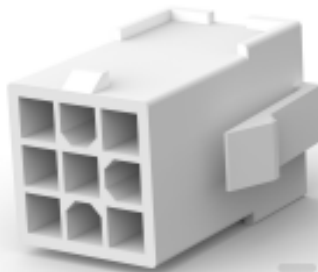
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1-172158-6 MINI-U-M-N-L 3P CAP BLUE	 TE Part # 1-172164-2 MINI UNIVERSAL M-N-L PLUG 1P	 TE Part # 1-172159-9 MINI UNIVERSAL M-N-L CAP 4P	 TE Part # 172343-1 MINI UNIVERSAL M-N-L HOUSING
 TE Part # 1445816-1 RECPT,11-9,FLNG MT,STD KEY	 TE Part # 1-172165-9 2CIR MINI U-M-N-L PLUG BLCK	 TE Part # 1-172158-2 MINI-U-M-N-L 3P CAP RED	 TE Part # 1-172330-9 UNIVERSAL MATE-N-LOK CAP 4P
 TE Part # 1-172165-6 2CIR MINI U-M-N-L PLUG BLUE	 TE Part # 1445522-3 REC,8-2,FRE HNG,LG INS,STD KEY	 TE Part # 1445824-3 REC,11-5,FLNG MT,LG INS,STD KE	 TE Part # 1445816-3 RECPT,11-9,FLNG MT,STD KEY
 TE Part # 2305570-1 Strip Terminal Cutter-Side Feed-No Crimp	 TE Part # 1445389-1 REC,8-4,FREE HG,SM INS,STD KEY	 TE Part # 1445390-3 PLUG,8-4,LG INS,STD KEY	 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 # 172158-1
3 CIR UNIV M-N-L CAP

TE Part # 172166-1
3 CIR UNIV M-N-L PLUG

TE Part # 1-172159-2
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)

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 #T1506033000-000
H3A-MAG-EMC

TE Part #170360-1
UNIV M-N-L PIN 22-18 AWG

TE Part #211401-2
RECEPT,SZ 13-7,CPC

TE Part #293008-1
3 POS. FASTIN-FASTON CONN. TAB HOUSING R

TE Part #1-770835-0
MINI UMNL PIN AU LF

TE Part #2-1445054-4
MICRO MNL HDR ASSY S/ROW LF

TE Part #1649222-1
OJE-SS-112DM,801

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

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

TE Part #T2080142201-003
HQ-4/4/6-F HYBRID INSERT WITH PE 2.5MM2

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