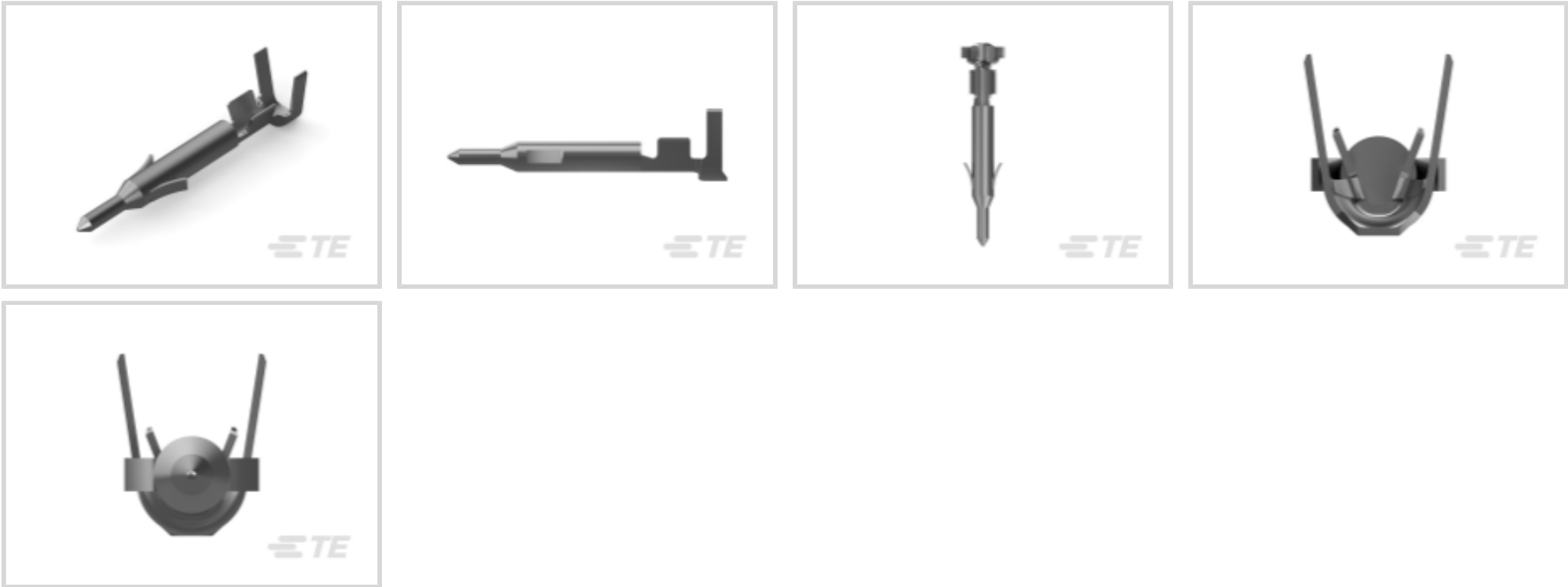




Connectors > Contacts > Connector Contacts



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]
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]
Barrel Type	Open
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)	7 A
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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	3.4 mm[.134 in]
Wire Size	.3 – .89 mm²

Usage Conditions

Operating Temperature Range	-20 – 105 °C[-4 – 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	4000
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 reviewed 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 # 1-172163-2 15 POS TR MINI UNIV	 TE Part # 1-172328-5 2 POS SR MINI UNIV	 TE Part # 1-172337-4 MINI U-M-N-L PLUG 3P YELLOW	 TE Part # 2410765-1 OCEAN_2.0_Applicator-S-102F141F-RSM
 TE Part # 172331-1 MINI UNIVERSAL MATE-N-LOK CAP HOUSING 6P	 TE Part # 1-172160-9 MINI UNIVERSAL M-N-L CAP 6P	 TE Part # 1-172168-9 MINI UNIVERSAL M-N-L PLUG 6P	 TE Part # 1-172162-2 12 POS TR MINI UNIV
 TE Part # 1-172165-2 2CIR MINI U-M-N-L PLUG RED	 TE Part # 172156-1 1 CIR UNIV M-N-L CAP	 TE Part # 172169-1 9 CIR UNIV M-N-L PLUG	 TE Part # 1-172233-9 2P MINI UNIV FREE HANG BLACK
 TE Part # 5-2410765-1 OCEAN_2.0_Applicator-S-062F110F-RSM	 TE Part # 172339-1 MINI UMNL PLUG HOUSING 6P	 TE Part # 172342-1 MINI UMNL PLUG HOUSING 15P	 TE Part # 1-172160-2 MINI UNIVERSAL M-N-L CAP 6P



TE Part # 1-172161-9
MINI UNIVERSAL M-N-L CAP 9P

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

TE Part # 172160-1
6 CIR UNIV M-N-L CAP

TE Part # 91522-1
CCII MINI UNML PIN SKT 22-18 ASSY

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

Connector Caps & Covers(2)

Connector Contacts(89)

Connector Hardware(4)

Power Contacts(89)

Rectangular Connector Housings(104)

Rectangular Power Connectors(196)

Standard Rectangular Connectors(104)

Customers Also Bought

TE Part #T2042001060-000
CMMML-6.0

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

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

TE Part #770835-1
MINI UMNL PIN SN

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

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

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



Documents

Product Drawings

UNIV M-N-L PIN 22-18 AWG

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_170360-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_170360-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_170360-1_H.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Crimping of Mini-Universal MATE-N-LOK Contact

Japanese

Application Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Mini-Universal MATE-N-LOK Connector

Japanese

Instruction Sheet (non U.S.)

English

MINI UNIVERSAL MATE-N-LOK CONNECTOR

English

Agency Approvals

UL Report

English