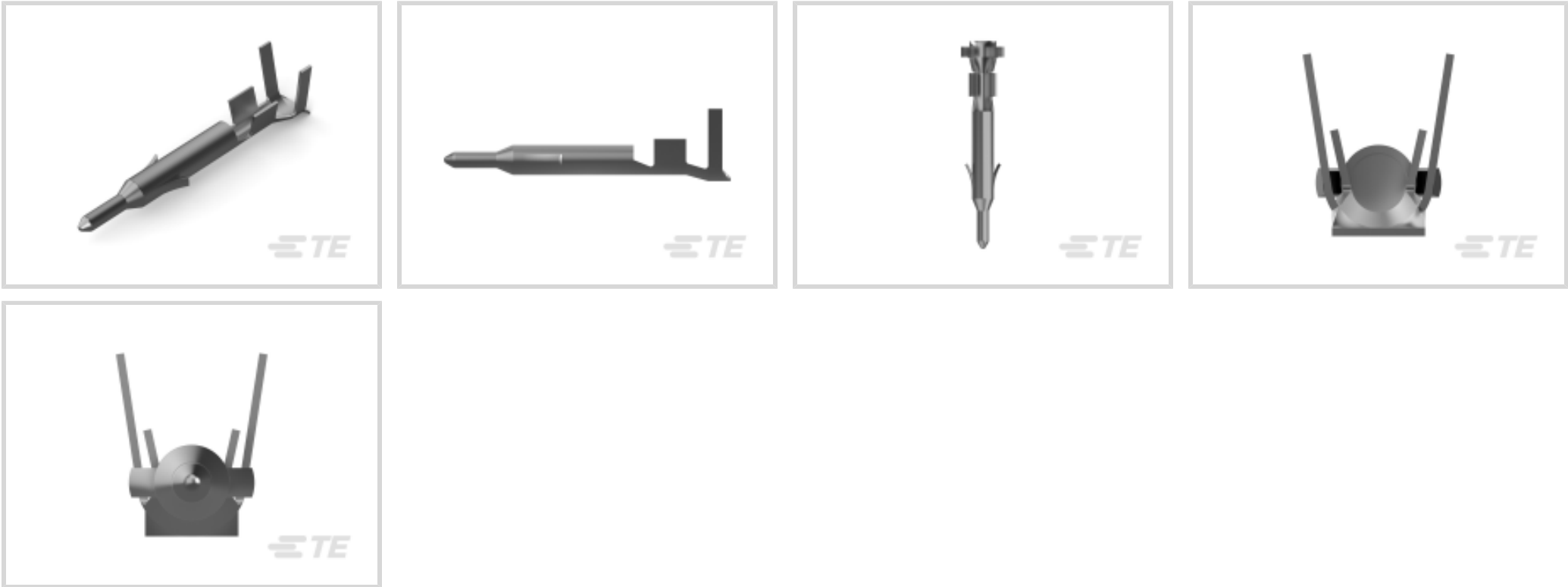




Connectors > Contacts > Connector Contacts



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
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	1.5 – 2.39 mm[.059 – .094 in]
Wire Size	.3 – .9 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>

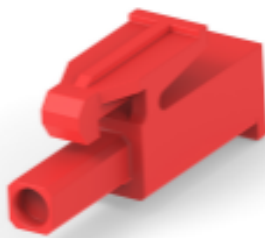
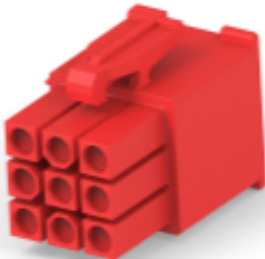
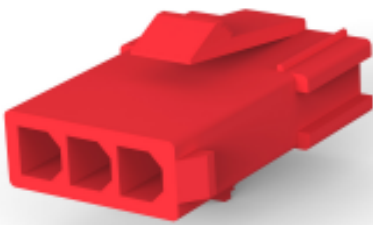
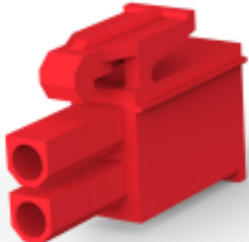
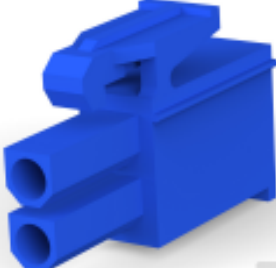
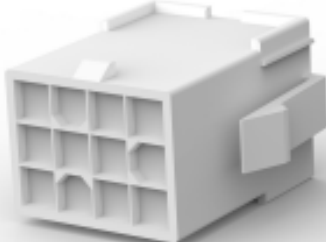
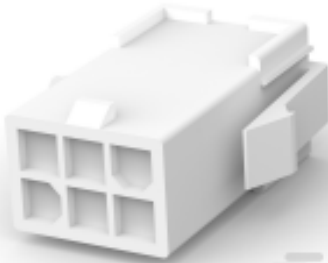
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not 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 # 1-172164-2 MINI UNIVERSAL M-N-L PLUG 1P	 TE Part # 1-172169-2 MINI UNIVERSAL M-N-L PLUG 9P	 TE Part # 1-172158-2 MINI-U-M-N-L 3P CAP RED	 TE Part # 1-172158-6 MINI-U-M-N-L 3P CAP BLUE
 TE Part # 1-172336-2 UNIVERSAL MATE-N-LOK PLUG 2P	 TE Part # 1-172330-9 UNIVERSAL MATE-N-LOK CAP 4P	 TE Part # 1-172336-6 UNIVERSAL MATE-N-LOK PLUG 2P	 TE Part # 172162-1 12 CIR UNIV M-N-L CAP
 TE Part # 794940-1 06P MINI UMNL CAP HSG	 TE Part # 2119501-1 SDE COMM. TOOL & DIE (SEAL)	 TE Part # 1445390-3 PLUG,8-4,LG INS,STD KEY	 TE Part # 172166-1 3 CIR UNIV M-N-L PLUG
 TE Part # 1445389-1 REC,8-4,FREE HG,SM INS,STD KEY	 TE Part # 1445522-3 REC,8-2,FRE HNG,LG INS,STD KEY	 TE Part # 1445828-1 REC,11-6,FRE HNG,SM INS,STD KE	 TE Part # 172327-1 UNIV M-N-L HSG



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 # 1-172157-6
2CIR MINI U-M-N-L CAP BLUE



TE Part # 1-172165-6
2CIR MINI U-M-N-L PLUG BLUE

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



Connector Caps & Covers(2)



Connector Contacts(89)



Connector Hardware(4)



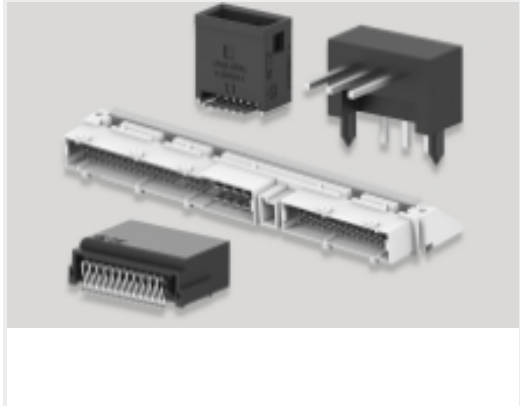
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)



Rectangular Power Connectors(196)

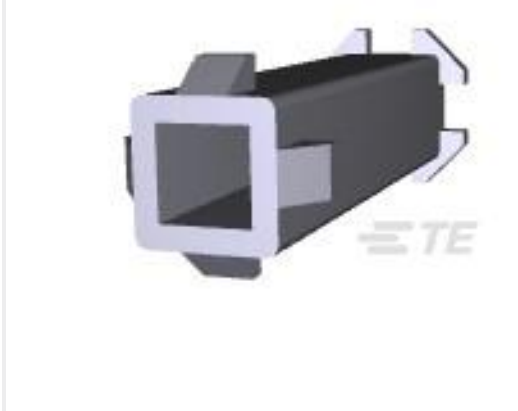


Wire-to-Board Headers & Receptacles (93)

Customers Also Bought



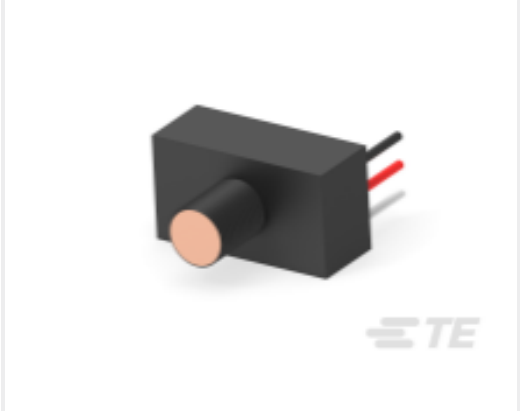
TE Part #7-52935-1
TERMINAL,PIDG SPR SPD 16-14 6



TE Part #172156-1
1 CIR UNIV M-N-L CAP



TE Part #3-2176610-3
EP 1W (SS) 22R 5%



TE Part #150452-000
ALR-AA-105-9IN



TE Part #812812-000
ALR-BF-PV



TE Part #172234-1
3P MINI UNIVERSAL MATE-N-LOK
CAP HOUSING



TE Part #1-770252-0
UMNL II PIN LP 14-18



TE Part #4-180923-0
FF 250 REC HSG 2P NYLON NAT



TE Part #427142-000
ALR-AA-1068-9IN



TE Part #3-641237-6
06P MTA100 CONN ASSY RED 30AU

Documents

Product Drawings

MINI UMNL PIN 22-18AWG SN LP

English

CAD Files

Customer View Model

ENG_CVM_CVM_770987-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770987-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770987-1_E.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