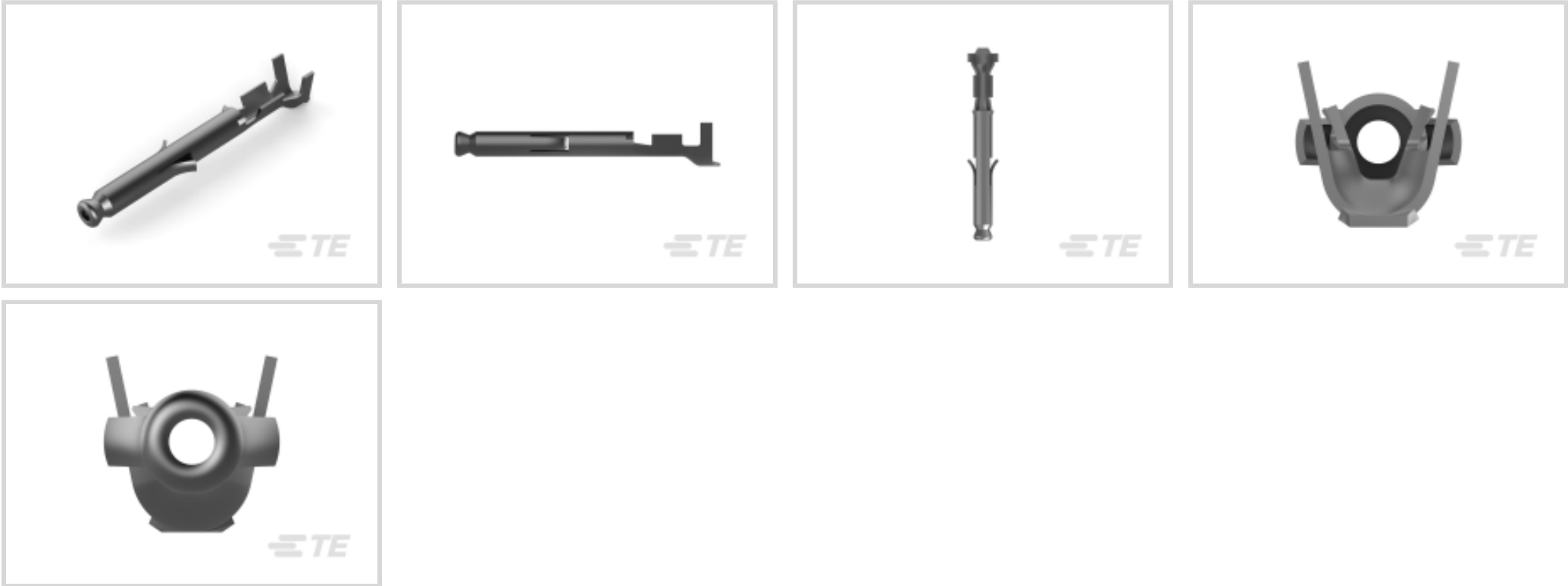




Connectors > Contacts > Connector Contacts



Contact Type: **Socket**
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

Barrel Type	Open
Contact Type	Socket
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
Mating Pin Diameter	1 mm[.039 in]
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]
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	.12 – .35 mm²
Compatible Insulation Diameter Range	1.19 – 1.75 mm[.047 – .069 in]

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	300
Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

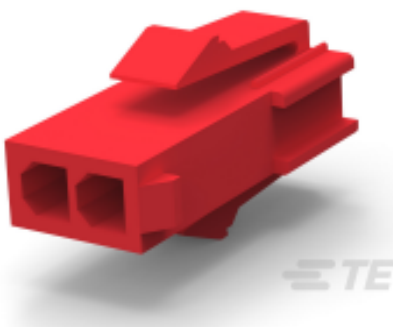
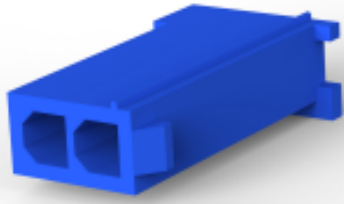
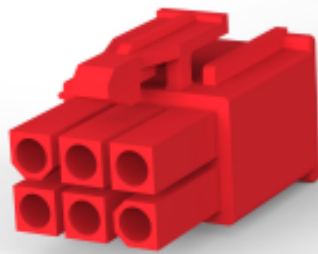
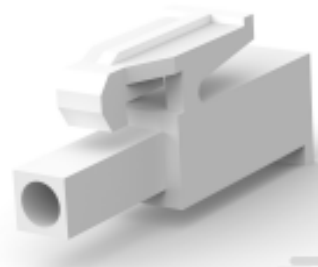
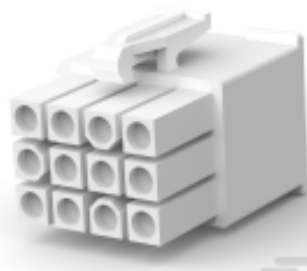
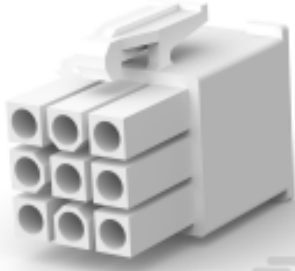
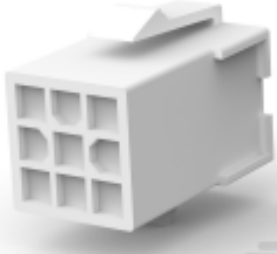
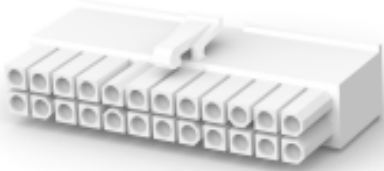
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does 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 # 1-172157-2 2CIR MINI U-M-N-L CAP RED	 TE Part # 1-172233-6 2 POS MINI UNIV FREE HANG BLUE	 TE Part # 1-172168-2 MINI UNIVERSAL M-N-L PLUG 6P	 TE Part # 172336-1 2P MINI UMNL PLUG HOUSING
 TE Part # 172233-1 2 POS MINI UMNL CAP HOUSING	 TE Part # 172170-1 12 CIR UNIV M-N-L PLUG	 TE Part # 172337-1 MINI UMNL PLUG HOUSING 3P	 TE Part # 172335-1 MINI UMNL PLUG HOUSING 1P
 TE Part # 172159-1 4 CIR UNIV M-N-L CAP	 TE Part # 172329-1 MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P	 TE Part # 172341-1 MINI UMNL PLUG HOUSING 12P	 TE Part # 172340-1 MINI UMNL PLUG HOUSING 9P
 TE Part # 172161-1 9 CIR UNIV M-N-L CAP	 TE Part # 770587-1 24P MINI UMNL PLUG HSG	 TE Part # 770582-1 14P MINI UMNL PLUG HSG	 TE Part # 770580-1 10P MINI UMNL PLUG HSG



TE Part # 770583-1
16P MINI UMNL PLUG HSG

TE Part # 1-172336-2
UNIVERSAL MATE-N-LOK PLUG 2P

TE Part # 1-172159-2
MINI UNIVERSAL M-N-L CAP 4P

TE Part # 1-172330-9
UNIVERSAL MATE-N-LOK CAP 4P

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

Connector Caps & Covers(2)

Connector Contacts(89)

Connector Seals & Cavity Plugs(17)

Connector Strain Relief(2)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(93)

Power Contacts(89)

Rectangular Power Connectors(196)

Wire-to-Board Headers & Receptacles (93)

Customers Also Bought

TE Part #85BSD005BG0-3BSC
PRESS,ISO,BACK-SIDE DIGITAL

TE Part #172158-1
3 CIR UNIV M-N-L CAP

TE Part #172161-1
9 CIR UNIV M-N-L CAP

TE Part #172165-1
2 CIR UNIV M-N-L PLUG NATL





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



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



TE Part #172168-1
6 CIR UNIV M-N-L PLUG



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



TE Part #2176490-9
HCL165 100W 22R 5% Cable 150mm



TE Part #2488965-3
RJ45 MGNT 1X1 100B-T W/O LED
PLTNG T 15

Documents

Product Drawings

MINI UNIVERSAL M-N-L SOCKET LP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_170365-1_1_c-170365-1-1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_170365-1_1_c-170365-1-1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_170365-1_1_c-170365-1-1.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Crimping of Mini-Universal MATE-N-LOK Contact

Japanese

Application Specification

Japanese

Agency Approvals



UL Report

English