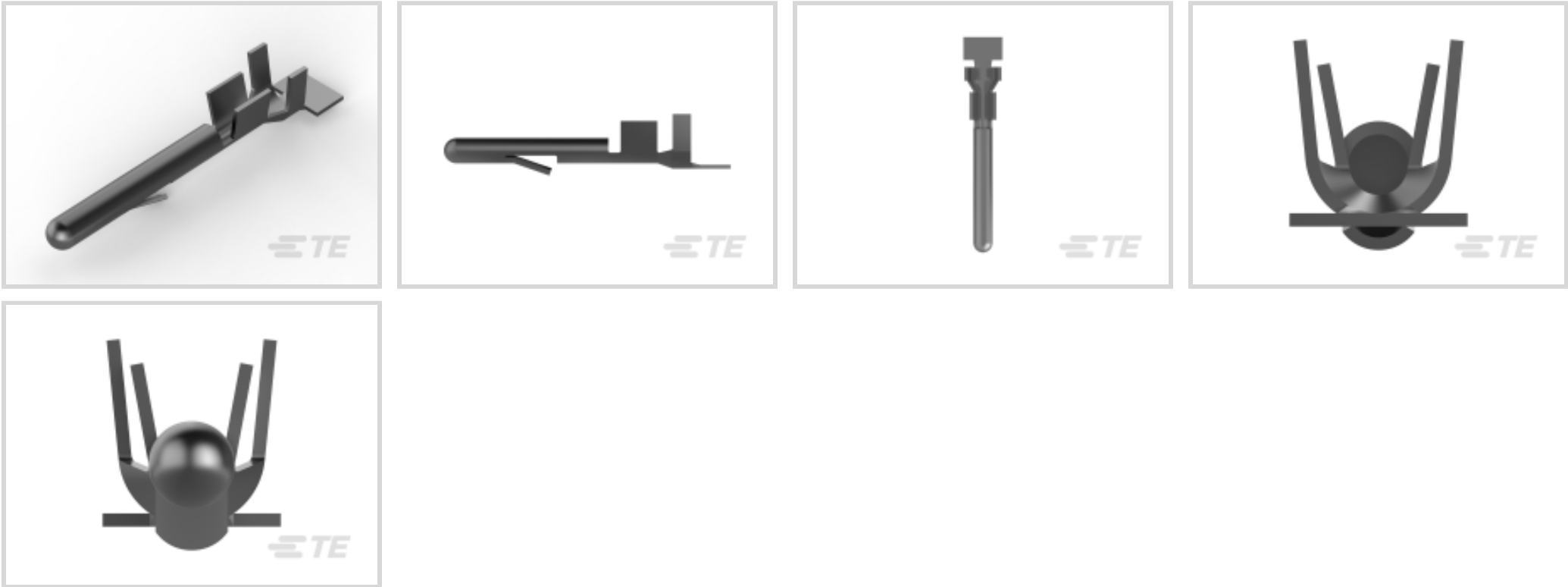




Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

Wire Contact Termination Area Plating Material: **Tin**

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **With**

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Shape & Form	Round
Barrel Type	Open
Contact Type	Pin
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	15 A
Mating Pin Diameter	2.13 mm[.084 in]
Wire Contact Termination Area Plating Material Finish	Matte



Contact Orientation	Straight
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Termination Features

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

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	Without

Dimensions

Wire Size	.52 – 2.08 mm ²
Compatible Insulation Diameter Range	3.3 mm[.13 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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Packaging Features

Packaging Quantity	5000
Packaging Method	Reel

Product Compliance

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

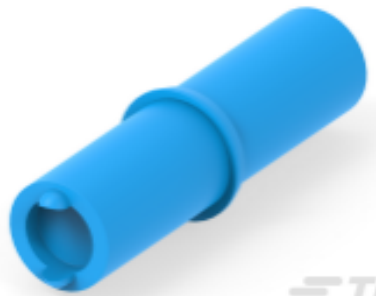
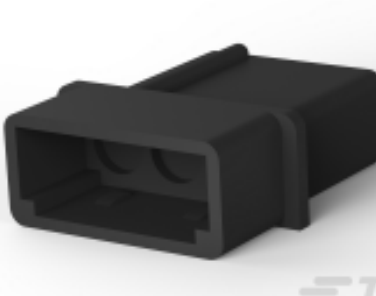
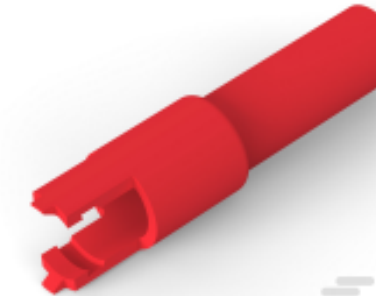
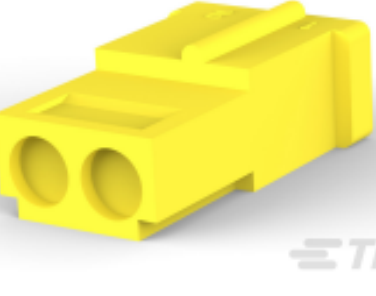
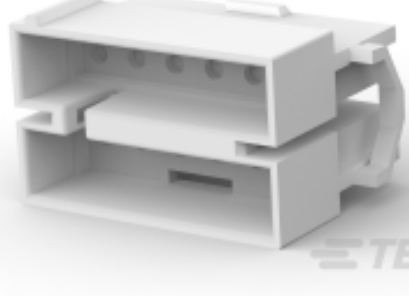
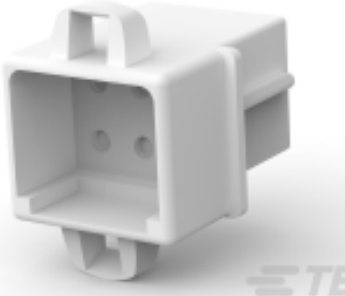
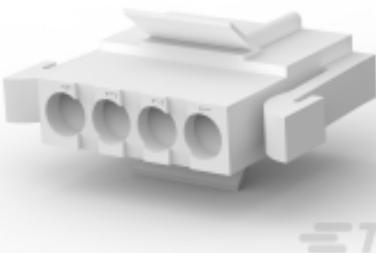
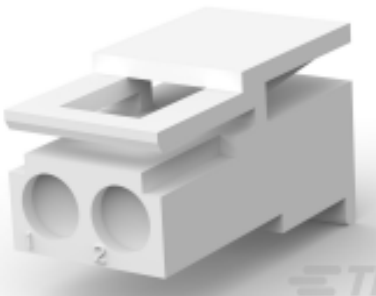
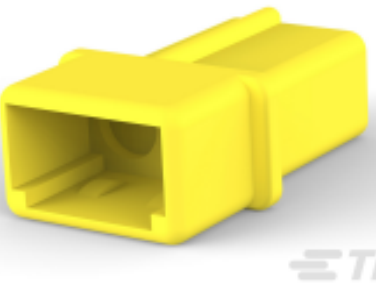
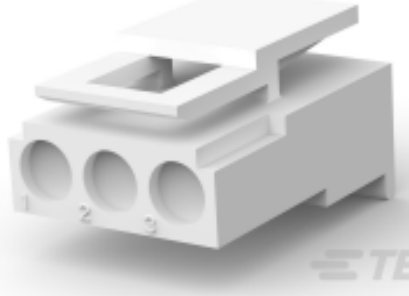
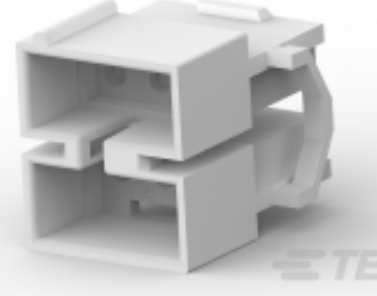
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does 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 # 1-480349-6 01P CMNL PLUG HSG F/H BLU	 TE Part # 1-480283-0 08P CMNL PLUG HSG M/M NATL	 TE Part # 1-480305-9 03P CMNL CAP HSG F/H BLK	 TE Part # 1-480351-2 01P CMNL CAP HSG RED
 TE Part # 1-480318-4 02P CMNL PLUG HSG F/H YELL	 TE Part # 1-480288-0 12P CMNL CAP HSG M/M NATL	 TE Part # 171267-1 CIRCUIT HSG PLUG	 TE Part # 171382-1 MNL PANEL MOUNT PLUG 6P
 TE Part # 2151500-1 OCEAN_2.0_APPLICATOR-S-090F130F-RSM	 TE Part # 1-480276-0 06P CMNL CAP HSG P/M NATL	 TE Part # 1-480425-0 04P CMNL PLUG HSG P/M NATL	 TE Part # 1-480720-0 02P CMNL PLUG HSG W/LOK NATL
 TE Part # 1-480319-4 02P CMNL CAP HSG F/H YELL	 TE Part # 1-480721-0 03P CMNL PLUG HSG W/LOK NATL	 TE Part # 1-480393-1 02P CMNL PLUG HSG F/H BLK	 TE Part # 1-480271-0 06P CMNL CAP HSG M/M NATL



TE Part # 1-480438-0
16P CMNL PLUG HSG M/M NATL

TE Part # 1-480498-1
02P CMNL CAP HSG F/H BLK

TE Part # 1-480388-0
03P CMNL PLUG HSG F/H BLK

TE Part # 1-480319-9
02P CMNL CAP HSG F/H BLK

Also in the Series

Commercial MATE-N-LOK

Connector Caps & Covers(2)

Connector Contacts(150)

Connector Seals & Cavity Plugs(1)

Insertion & Extraction Tools(3)

PCB Headers & Receptacles(55)

Power Contacts(146)

Rectangular Power Connectors(181)

Standard Circular Connectors(2)

Wire-to-Board Headers & Receptacles
(55)

Customers Also Bought

TE Part #CONMHF4-SMD-G-T
MHF4 Jack 50 Ohm PCB Surface Mount

TE Part #CSJ-SGFB-200-MHF4
SMA to MHF4 200mm 0.81 OD

TE Part #DTHD04-1-8P
REC, 1P, BLK, N, SIZE 8

TE Part #213920-1
CPC SEAL KIT, UNASSM, SZ 17-16



Documents

Product Drawings

CMNL PIN 20-14 TPPHBZ

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_61118-4_BG.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_61118-4_BG.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_61118-4_BG.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English