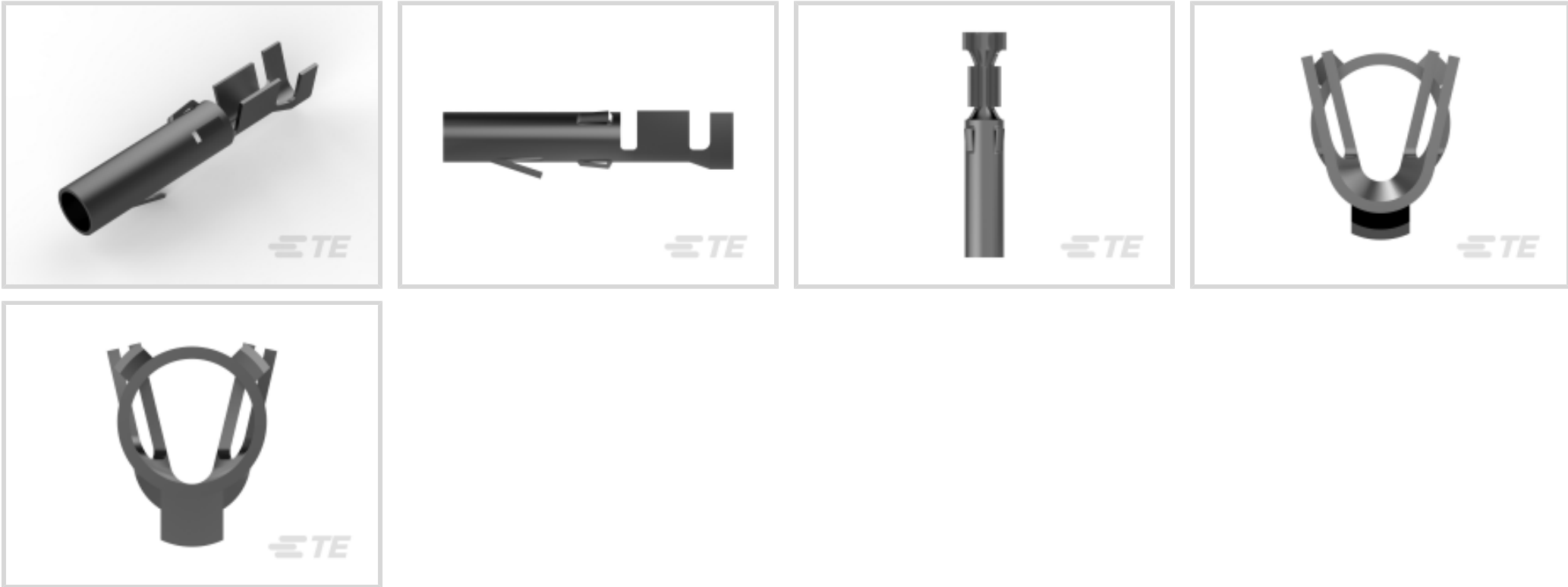




Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin**

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

Operating Voltage: **250 VDC**

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Mating Pin Diameter	2.1 mm[.082 in]
Wire Contact Termination Area Plating Thickness	.4 µm[15.74 µin]
Contact Orientation	Straight
Contact Type	Socket
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	13 A

Termination Features

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

Mechanical Attachment

Wire Insulation Support	Without
Contact Retention Type Within Housing	Locking Lance

Dimensions

Compatible Insulation Diameter Range	2.54 mm[.1 in]
Wire Size	.2 – .82 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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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

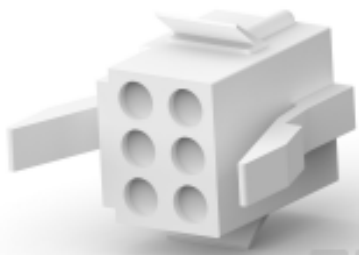
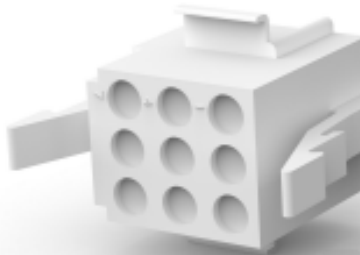
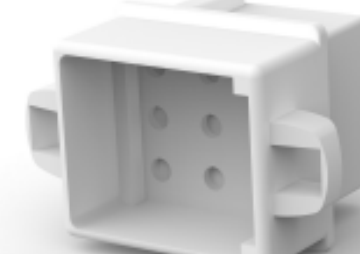
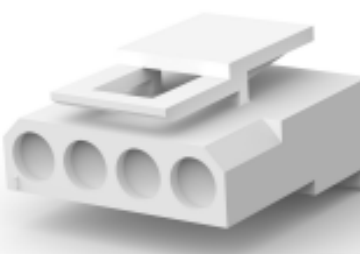
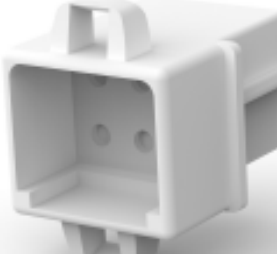
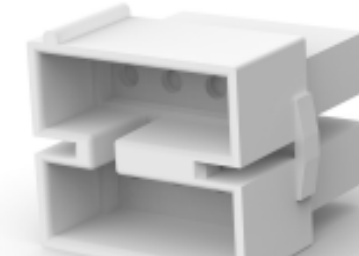
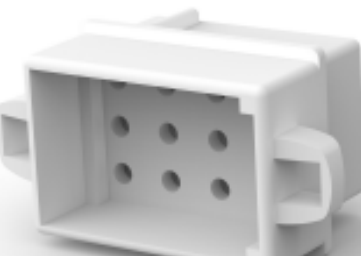
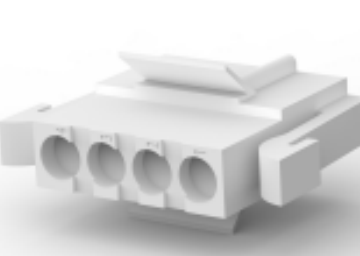
Product Compliance Disclaimer

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

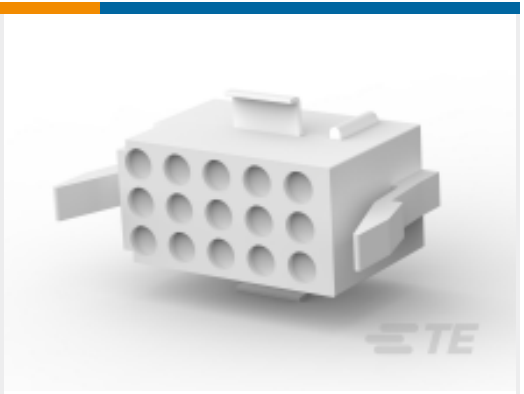
 TE Part # 1-171196-0 6 POS MATE-N-LOK S	 TE Part # 1-480274-0 09P CMNL PLUG HSG P/M NATL	 TE Part # 1-480284-0 08P CMNL CAP HSG M/M NATL	 TE Part # 1-480438-0 16P CMNL PLUG HSG M/M NATL
 TE Part # 1-480683-0 02P CMNL PLUG HSG F/H NATL	 TE Part # 1-480277-0 09P CMNL CAP HSG P/M NATL	 TE Part # 1-480304-0 03P CMNL PLUG HSG P/M NATL	 TE Part # 1-480722-0 04P CMNL PLUG HSG W/LCK NATL
 TE Part # 1-480276-0 06P CMNL CAP HSG P/M NATL	 TE Part # 1-480285-0 10P CMNL PLUG HSG M/M NATL	 TE Part # 1-480439-0 16P CMNL CAP HSG M/M NATL	 TE Part # 1-480393-1 02P CMNL PLUG HSG F/H BLK
 TE Part # 1-480345-0 08P CMNL CAP HSG F/H NATL	 TE Part # 1-480340-0 06P CMNL CAP HSG F/H NATL	 TE Part # 1-480278-0 12P CMNL CAP HSG P/M NATL	 TE Part # 1-480425-0 04P CMNL PLUG HSG P/M NATL



TE Part # 1-480324-0
15P CMNL CAP HSG P/M NATL



TE Part # 1-480721-0
03P CMNL PLUG HSG W/LOK NATL



TE Part # 1-480323-0
15P CMNL PLUG HSG P/M NATL



TE Part # 170924-1
MNL 2 POS NATURAL PIN HSG

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



Connector Contacts(150)



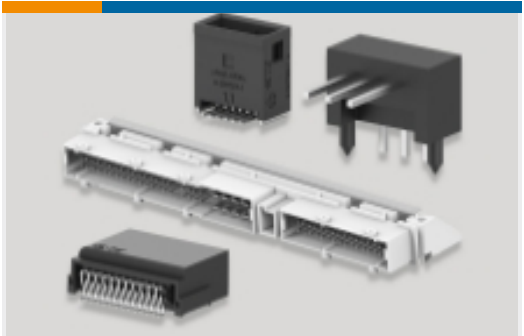
Connector Seals & Cavity Plugs(1)



Crimp Wire Pins, Tabs & Ferrules(2)



Insertion & Extraction Tools(3)



PCB Headers & Receptacles(56)



Rectangular Connector Housings(9)



Rectangular Power Connectors(115)



Standard Circular Connectors(2)



Standard Rectangular Connectors(2)

Customers Also Bought



TE Part #1-480285-0
10P CMNL PLUG HSG M/M NATL



TE Part #1-480340-0
06P CMNL CAP HSG F/H NATL



TE Part #170020-1
SHUR PLUG 20-14 MM2 TPBR

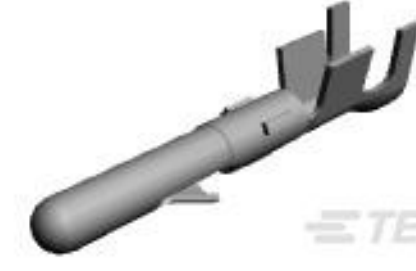


TE Part #170887-1
SLEEVE DIA5 SHUR PLUG NAT





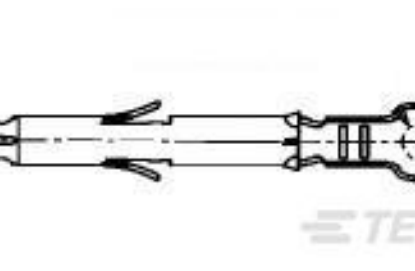
TE Part #1-480339-0
10P CMNL CAP HSG F/H NATL



TE Part #60618-1
CMNL PIN PTPBR L/P



TE Part #170021-1
SHUR PLUG RECEPTACLE 20-16 AWG TPBR



TE Part #170366-4
MINI UNIVERSAL M-N-L SOCKET LP



TE Part #170889-1
SLEEVE DIA5 SHUR PLUG NAT



TE Part #170923-1
CMNL PLG 2P FREE HNG

Documents

Product Drawings

MATE-N-LOK SOC LP

English

CAD Files

Customer View Model

ENG_CVM_170148-1_A3.3d_igs.zip

English

Customer View Model

ENG_CVM_170148-1_A3.3d_stp.zip

English

Customer View Model

ENG_CVM_170148-1_A3.2d_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_170148-1_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_170148-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_170148-1_O.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

Agency Approvals

Agency Approval Document

English