



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

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

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

Operating Voltage: **250 VDC**

Features

Product Type Features

Discrete Wire Type	Stranded
--------------------	----------

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

Contact Features

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	Phosphor Bronze
Contact Current Rating (Max)	10 A
Mating Pin Diameter	2.1 mm[.082 in]
Wire Contact Termination Area Plating Thickness	.4 μm[15.74 μin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight



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 – 2.27 mm²
Compatible Insulation Diameter Range	3.3 mm[.13 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Power
---------------------	-------

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



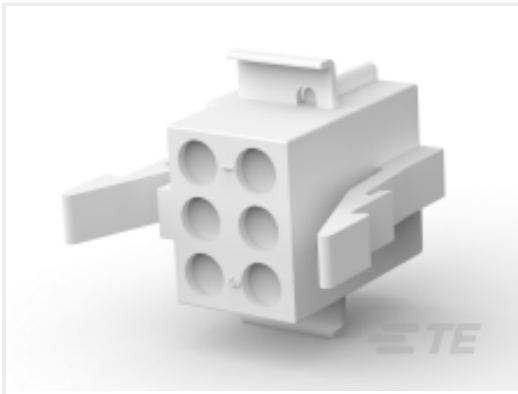
chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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

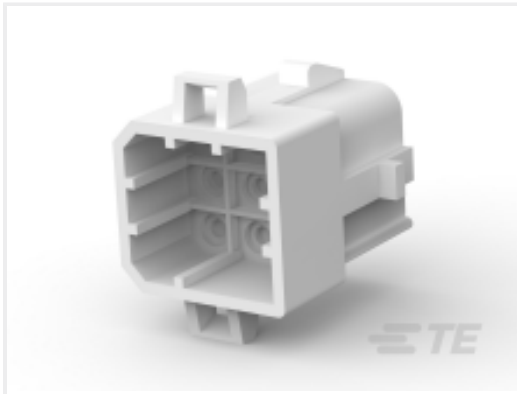
 <p>TE Part # 1-480303-9 03P CMNL PLUG HSG F/H BLK</p>	 <p>TE Part # 2151500-2 OCEAN_2.0_APPLICATOR-S-090F130F-RSA</p>	 <p>TE Part # 1-480690-0 06P CMNL PLUG HSG D/L PM NAT</p>	 <p>TE Part # 1-480286-0 10P CMNL CAP HSG M/M NATL</p>
 <p>TE Part # 1-480349-0 01P CMNL PLUG HSG F/H NATL</p>	 <p>TE Part # 1-480387-0 03P CMNL CAP HSG F/H BLK</p>	 <p>TE Part # 1-480345-0 08P CMNL CAP HSG F/H NATL</p>	 <p>TE Part # 1-480351-0 01P CMNL CAP HSG NATL</p>
 <p>TE Part # 1-480426-0 04P CMNL CAP HSG F/H NATL</p>	 <p>TE Part # 1-480340-0 06P CMNL CAP HSG F/H NATL</p>	 <p>TE Part # 1-480683-0 02P CMNL PLUG HSG F/H NATL</p>	 <p>TE Part # 1-480274-0 09P CMNL PLUG HSG P/M NATL</p>
 <p>TE Part # 1-480287-0 12P CMNL PLUG HSG M/M NATL</p>	 <p>TE Part # 1-480278-0 12P CMNL CAP HSG P/M NATL</p>	 <p>TE Part # 1-171196-0 6 POS MATE-N-LOK S</p>	 <p>TE Part # 1-480400-0 01P CMNL PLUG HSG F/H BLK</p>



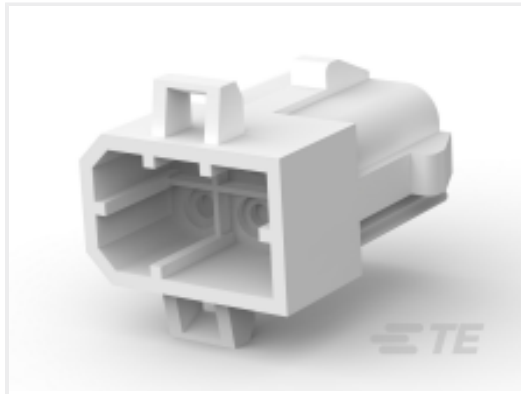
TE Part # 1-480305-2
03P CMNL CAP HSG F/H RED



TE Part # 1-480273-0
06P CMNL PLUG HSG P/M NATL



TE Part # 171268-1
CIRCUIT HOUSING CAP

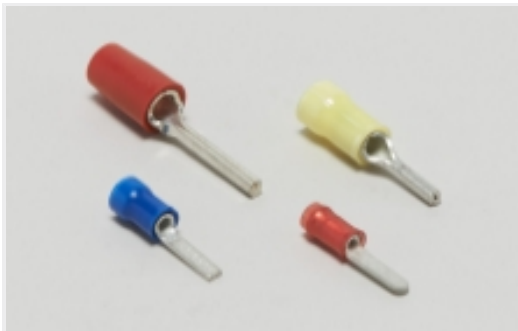


TE Part # 171383-1
6 CIRCUIT M-N-L CAP

Also in the Series | Commercial MATE-N-LOK



Connector Contacts(150)



Crimp Wire Pins, Tabs & Ferrules(2)



Power Contacts(146)



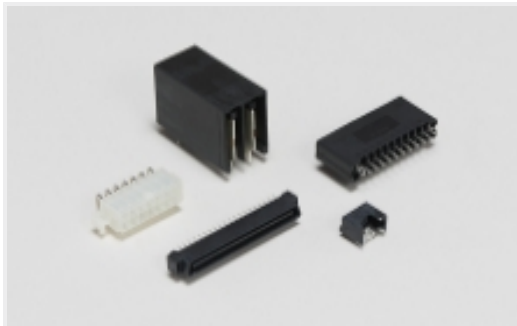
Rectangular Connector Housings(118)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)

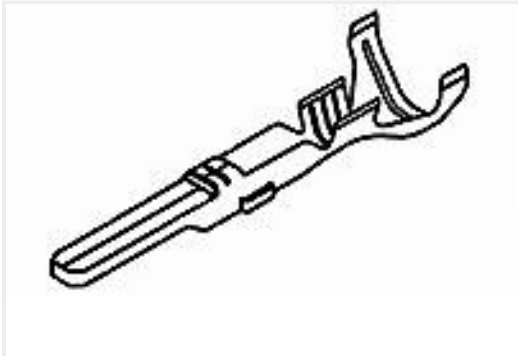


Standard Rectangular Connectors(126)

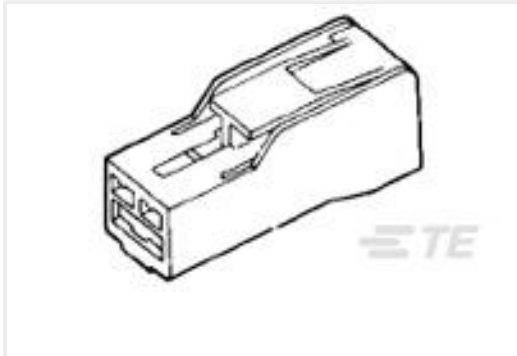
Customers Also Bought



TE Part #170002-5
SHUR PLUG 20-14 AWG 0.5 X 11.44 TPBR



TE Part #171631-1
E-J MK-2 070 TAB CONT



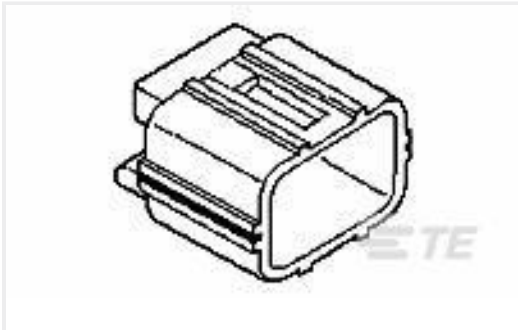
TE Part #172320-2
POSITIVE LOCK 250 (6.3 MM) HOUSING



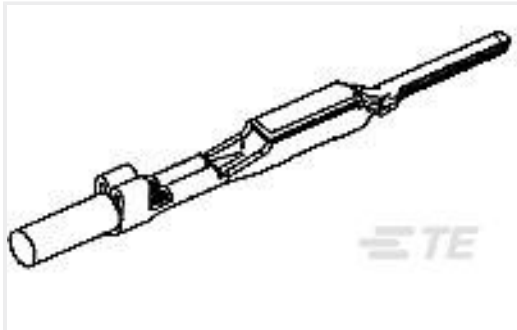
TE Part #CAT-EC7491-CH8172
ECONOSEAL, CONNECTOR HOUSING



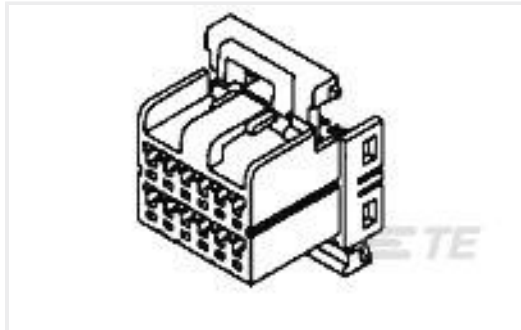
TE Part #174258-7
ECONO-J MK-2 LOCK PLATE 4P



TE Part #174355-7
070 ECONOSEAL MARK-2 P/CAP 2P



TE Part #353537-1
040-3 UNSEALED CONT.TAB(S)



TE Part #174046-2
040 MULTILOCK PLUG 16P



Documents

Product Drawings

MATE-N-LOK SOCKET

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_170120-4_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_170120-4_C.3d_igs.zip

English

Customer View Model

ENG_CVM_170120-4_C.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