163305-4 ✔ ACTIVE

MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 163305-4

Tin (Sn), Pin Contact, 20 – 17 AWG, .5 – 1 mm² Wire, Locking Lance Contact Retention, Crimp, Phosphor Bronze, Power, Commercial MATE-N-LOK

View on TE.com >

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

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

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

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Locking Lance**

Features

Product Type Features

Discrete Wire Type	Stranded

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-Lead
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Mating Pin Diameter	2.1 mm[.082 in]
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	.5 – 1 mm²
Compatible Insulation Diameter Range	1.8 – 3.3 mm[.071 – .13 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Quantity	1000
Packaging Method	Loose Piece

Product Compliance

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

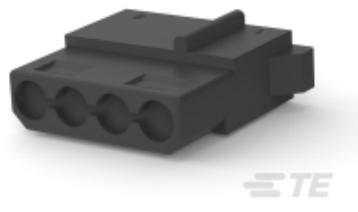
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does 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

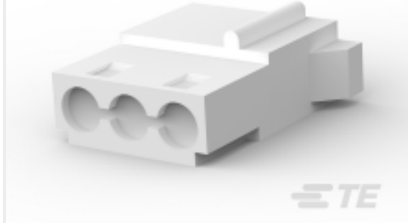
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



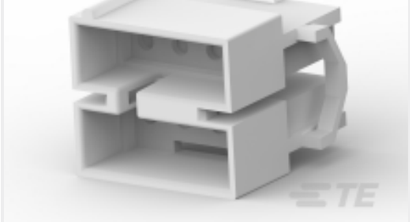
TE Part # 1-480424-9
04P CMNL PLUG HSG F/H BLK



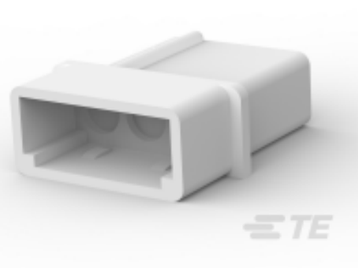
TE Part # 1-480303-0
03P CMNL PLUG HSG F/H NATL



TE Part # 1-480318-9
02P CMNL PLUG HSG F/H BLK



TE Part # 1-480284-0
08P CMNL CAP HSG M/M NATL



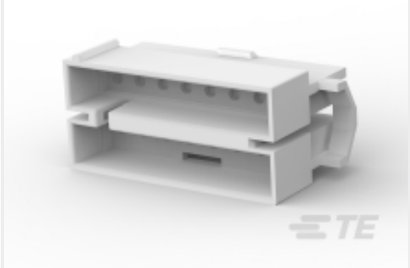
TE Part # 1-480305-0
03P CMNL CAP HSG F/H NATL



TE Part # 1-480401-0
01P CMNL CAP HSG F/H BLK



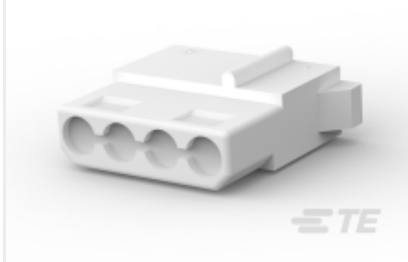
TE Part # 575937
DAHT MNL 0.3-1.0 ASSY



TE Part # 1-480439-0
16P CMNL CAP HSG M/M NATL



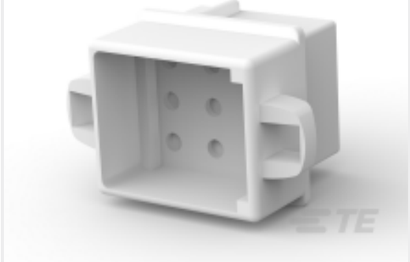
TE Part # 1-480323-0
15P CMNL PLUG HSG P/M NATL



TE Part # 1-480424-0
04P CMNL PLUG HSG F/H NATL



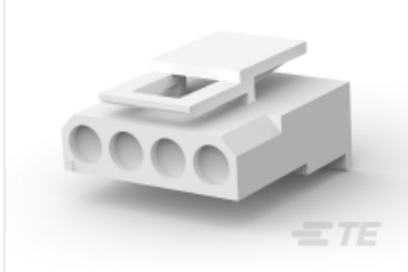
TE Part # 1-480350-0
01P CMNL CAP HSG F/H NATL



TE Part # 1-480277-0
09P CMNL CAP HSG P/M NATL



TE Part # 1-480270-0
06P CMNL PLUG HSG M/M NATL



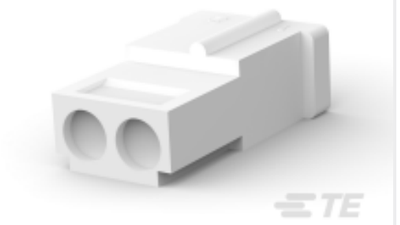
TE Part # 1-480722-0
04P CMNL PLUG HSG W/LCK NATL



TE Part # 1-480350-2
01P CMNL CAP HSG F/H RED



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



TE Part # 1-480318-0
02P CMNL PLUG HSG F/H NATL



TE Part # 1-480349-6
01P CMNL PLUG HSG F/H BLU



TE Part # 1-480351-2
01P CMNL CAP HSG RED

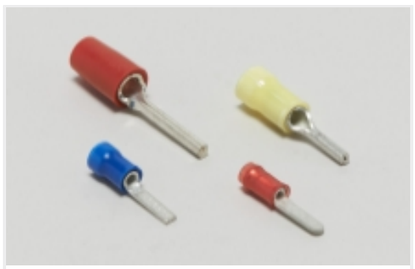


TE Part # 1-480319-9
02P CMNL CAP HSG F/H BLK

Also in the Series | Commercial MATE-N-LOK



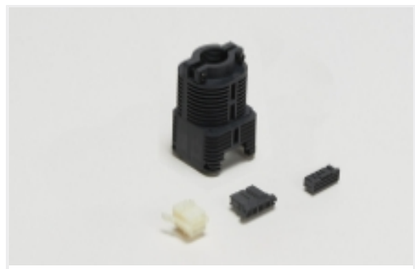
Connector Contacts(150)



Crimp Wire Pins, Tabs & Ferrules(2)



Power Contacts(146)



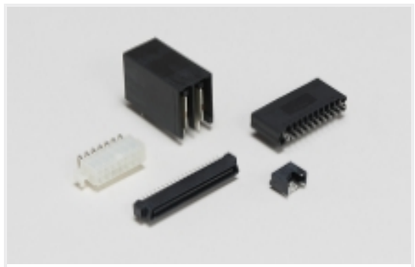
Rectangular Connector Housings(118)



Rectangular Power Connectors(181)



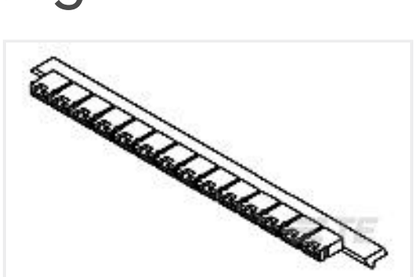
Standard Circular Connectors(2)



Standard Rectangular Connectors(126)

Customers Also Bought

TE Part #BSA900F0885201A000
917 PLUG



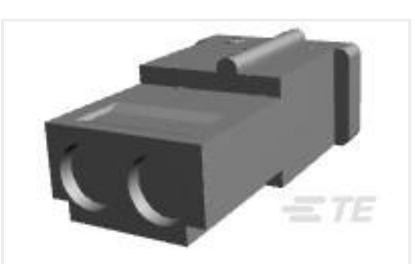
TE Part #142270-1
CONNECTOR SHUNT 2 P



TE Part #163304-2
MATENLOK SOCKET SDW



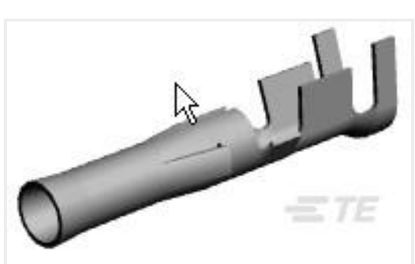
TE Part #173977-8
CT CONN MT REC ASSY 8P



TE Part #1-480318-0
02P CMNL PLUG HSG F/H NATL



TE Part #1-480319-0
02P CMNL CAP HSG NATL



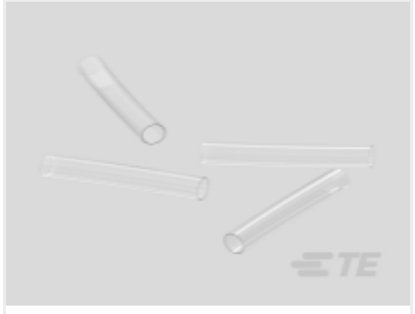
TE Part #770144-6
.093 CP&S SOC PTPPHBZ LP 20-14



TE Part #826646-5
5P AMPMODU II STIFT LEI



TE Part #925075
4W CIRCULAR MATE-N-LOK PIN HSG NAT



TE Part #NB16572001
RW-175-3/32-X-STK

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_163305-4_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_163305-4_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_163305-4_H.3d_stp.zip

English

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