170147-1 ✔ ACTIVE

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

TE Internal #: 170147-1

Tin (Sn), Socket Contact, 24 – 18 AWG, 250 VAC, 250 VDC, .2 – .82 mm² Wire, Locking Lance Contact Retention, Crimp, Brass, Commercial MATE-N-LOK

View on TE.com >

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	Brass
Contact Current Rating (Max)	13 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	Matte
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	.2 – .82 mm²
Compatible Insulation Diameter Range	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Quantity	7000
Packaging Method	Reel

Product Compliance

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

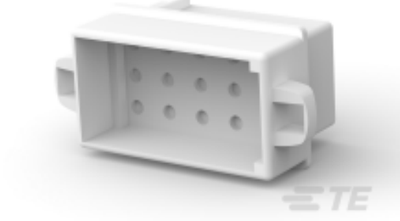
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does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

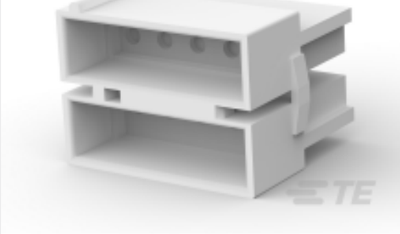
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



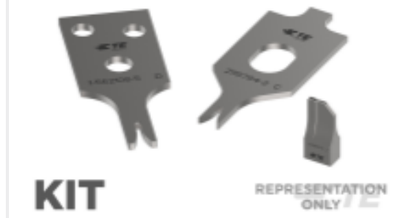
TE Part # 1-480324-0
15P CMNL CAP HSG P/M NATL



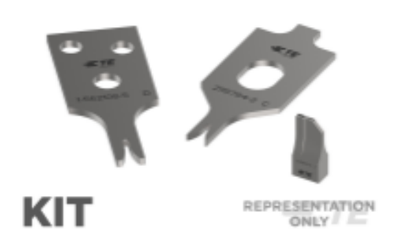
TE Part # 1-480339-0
10P CMNL CAP HSG F/H NATL



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



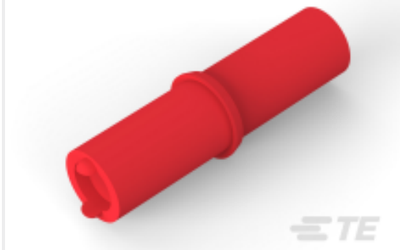
TE Part # 7-2266600-7
OC-110F220F-752-CRIMPTOOLINGKIT



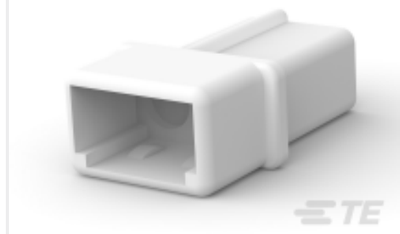
TE Part # 7-2151019-7
OCEAN_2.0_SPARE_PART_KIT-070F100F



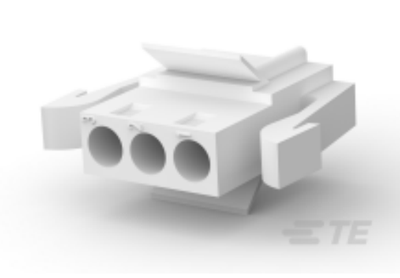
TE Part # 1-480426-9
04P CMNL CAP HSG F/H BLK



TE Part # 1-480349-2
01P CMNL PLUG HSG F/H RED



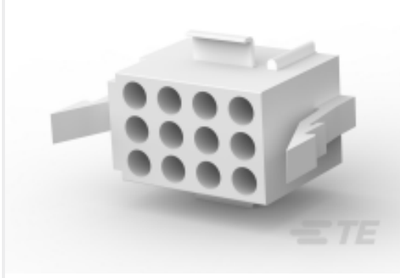
TE Part # 1-480319-0
02P CMNL CAP HSG NATL



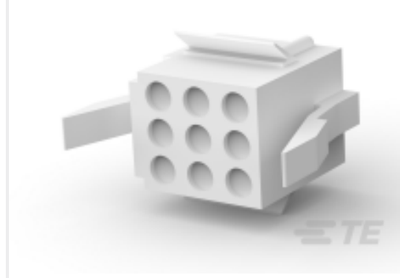
TE Part # 1-480304-0
03P CMNL PLUG HSG P/M NATL



TE Part # 1-480350-6
01P CMNL CAP HSG F/H BLU



TE Part # 1-480275-0
12P CMNL PLUG HSG P/M NATL



TE Part # 1-171197-0
9 POS MATE-N-LOK S



TE Part # 5-2151019-1
OCEAN_2.0_Applicator-S-070F100F-RSM



TE Part # 5-2151019-2
OCEAN_2.0_Applicator-S-070F100F-RSA



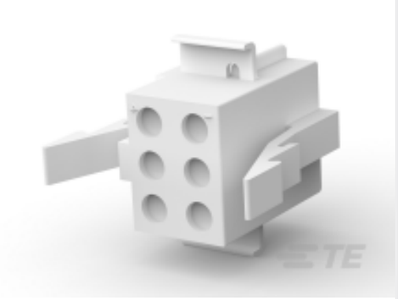
TE Part # 1-480303-9
03P CMNL PLUG HSG F/H BLK



TE Part # 2151019-1
OCEAN_2.0_Applicator-S-070F100F-RSM



TE Part # 2266342-1
OCEAN_2.0_Applicator-S-070F100OV-RSM



TE Part # 1-480690-0
06P CMNL PLUG HSG D/L PM NAT



TE Part # 1-480286-0
10P CMNL CAP HSG M/M NATL



TE Part # 1-480349-0
01P CMNL PLUG HSG F/H NATL

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



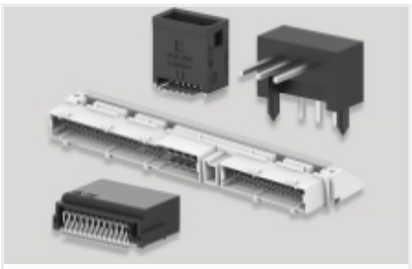
Connector Contacts(150)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(3)



PCB Headers & Receptacles(55)



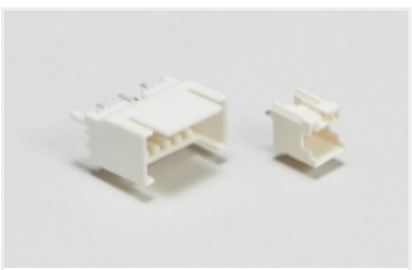
Power Contacts(146)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)



Wire-to-Board Headers & Receptacles (55)

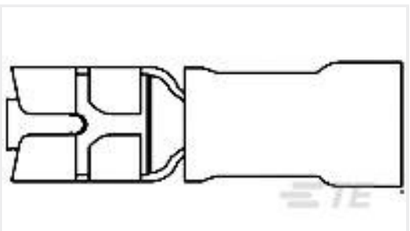
Customers Also Bought



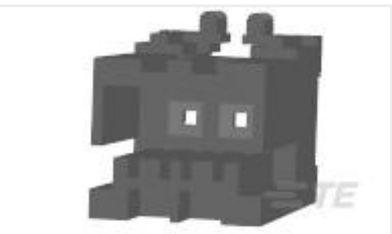
TE Part #61116-1
CMNL PIN 24-18 PTBR



TE Part #177915-1
AMP POWER DBL LOCK REC (L)



TE Part #184268-1
RCPT,PIDG FASTON 187 LIF 22-18



TE Part #316086-1
2.5 SIGNAL D/LOCK CAP HSG 2P



TE Part #440129-5
2.0MM,HSG,5POS



TE Part #1-794617-0
10POS,MICRO MNL,RCPT HSG



TE Part #2345834-2
NEW MOTOR CONN REC KIT. PF

TE Part #443951-000
462A011-15-0



TE Part #170284-1
SPARK SUPPRESSER CONTACT TIN P



TE Part #172006-1
SPARK SUPPRESSER CONNECTOR

Documents

Product Drawings

MATE-N-LOK SOCKET 2

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_170147-1_A3.2d_dxf.zip

English

Customer View Model

ENG_CVM_170147-1_A3.3d_igs.zip

English

Customer View Model

ENG_CVM_170147-1_A3.3d_stp.zip

English

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Product Specifications

Application Specification

English