163300-6 ✔ ACTIVE

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

TE Internal #: 163300-6

Tin (Sn), Socket Contact, 20 – 17 AWG, .5 – 1 mm² Wire, Locking Lance Contact Retention, Crimp, Brass, Power, 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**

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	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
Mating Pin Diameter	2.1 mm[.082 in]
Wire Contact Termination Area Plating Thickness	.4 – 3.5 µm[15.75 – 137.8 µin]
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	4000
Packaging Method	Reel

Product Compliance

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

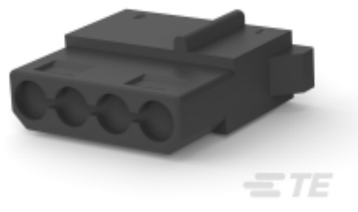
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does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

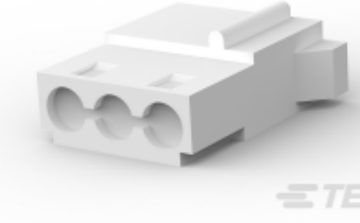
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

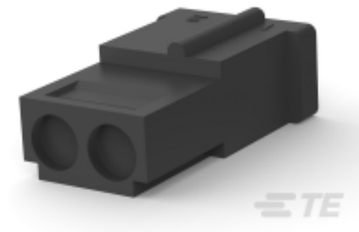
Compatible Parts



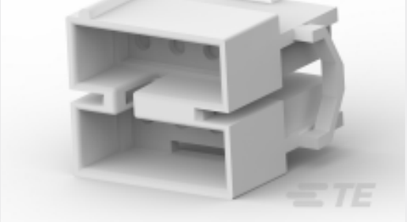
TE Part # 1-480424-9
04P CMNL PLUG HSG F/H BLK



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 # 2-151680-0
2 WAY MATE-N-LOK SOC HSG NAT.A



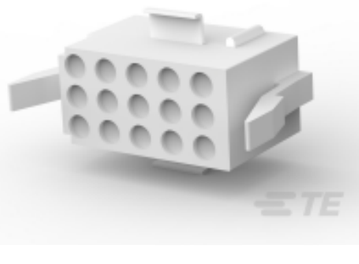
TE Part # 575937
DAHT MNL 0.3-1.0 ASSY



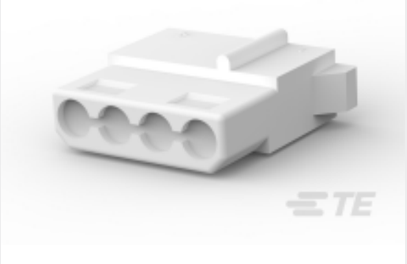
TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



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



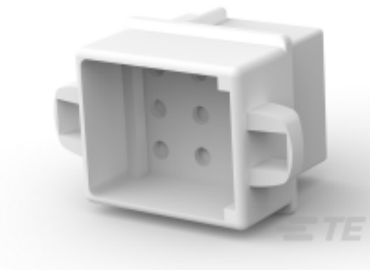
TE Part # 1-480323-0
15P CMNL PLUG HSG P/M NATL



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



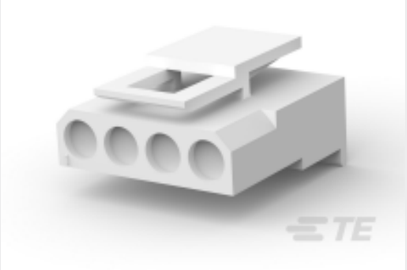
TE Part # 1-480350-0
01P CMNL CAP HSG F/H NATL



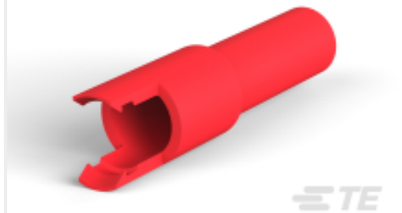
TE Part # 1-480277-0
09P CMNL CAP HSG P/M NATL



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



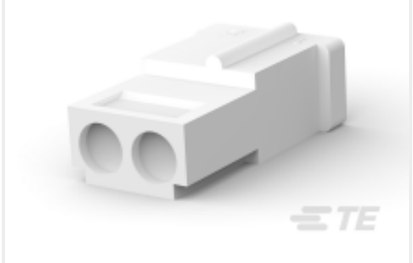
TE Part # 1-480722-0
04P CMNL PLUG HSG W/LCK NATL



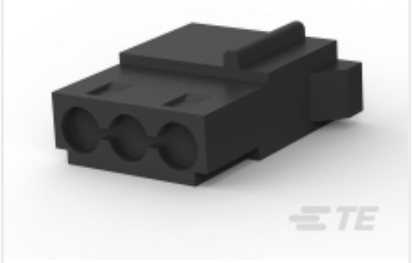
TE Part # 1-480350-2
01P CMNL CAP HSG F/H RED



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

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



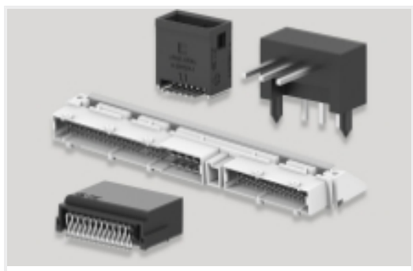
Connector Contacts(150)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(3)



PCB Headers & Receptacles(55)



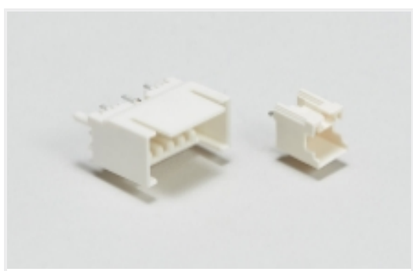
Power Contacts(146)



Rectangular Power Connectors(181)

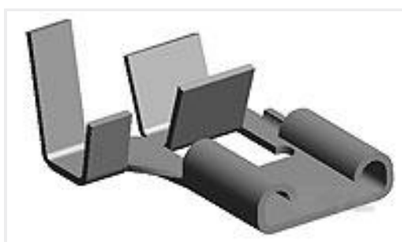


Standard Circular Connectors(2)



Wire-to-Board Headers & Receptacles (55)

Customers Also Bought



TE Part #63314-1
250 FASTON FLAG 18-14 AWG BR



TE Part #151680
2 WAY MATE-N-LOK SOC HSG NAT.



TE Part #160134-2
RING TONGUE WITH IS 12-10 AWG TPBR



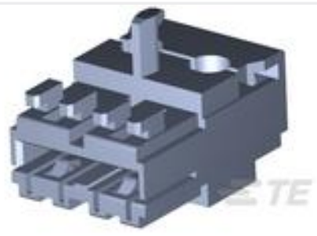
TE Part #5-177909-1
POWER DBL LOCK CAP HSG P/M 6P (GWT)



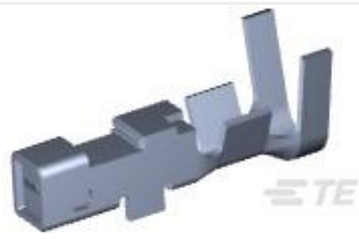
TE Part #737107-1
110 FASTON REC 20-17 AWG BR



TE Part #5-1241967-8
FASTIN FASTON TAB HOUSING 8P



TE Part #3-1534415-2
DUOPL POW FEM CON2P



TE Part #1747063-1
GRACE INERTIA CONN 2.5 REC CON



TE Part #1-1747066-6
GRACE INERTIA CONN 2.5 PLUG HSG 6P RED

TE Part #1510425-1
XL7 240/20X72.27

Documents

Product Drawings

MATENLOK SOCKET TP

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_163300-6_J.3d_igs.zip

English

Customer View Model

ENG_CVM_163300-6_J.3d_stp.zip

English

Customer View Model

ENG_CVM_163300-6_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_163300-6_AD.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_163300-6_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_163300-6_AD.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English