170148-1 ✔ ACTIVE

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

TE Internal #: 170148-1

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]
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	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 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

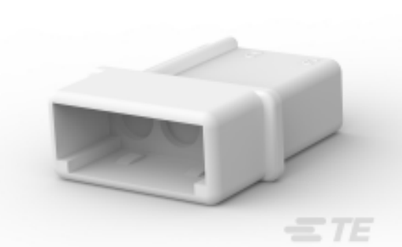
Compatible Parts

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

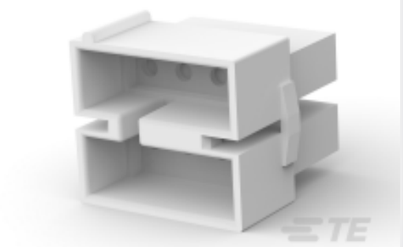
TE Part # 1-480690-0
06P CMNL PLUG HSG D/L PM NAT

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

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



TE Part # 1-480387-0
03P CMNL CAP HSG F/H BLK



TE Part # 1-480345-0
08P CMNL CAP HSG F/H NATL



TE Part # 1-480351-0
01P CMNL CAP HSG NATL



TE Part # 1-480426-0
04P CMNL CAP HSG F/H NATL



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



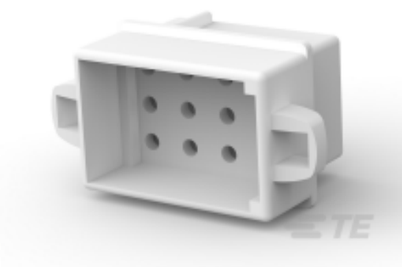
TE Part # 1-480683-0
02P CMNL PLUG HSG F/H NATL



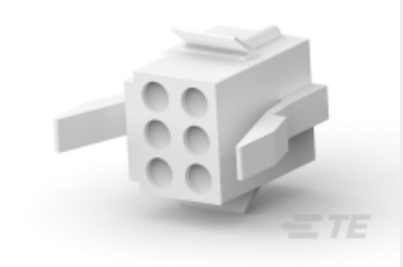
TE Part # 1-480274-0
09P CMNL PLUG HSG P/M NATL



TE Part # 1-480287-0
12P CMNL PLUG HSG M/M NATL



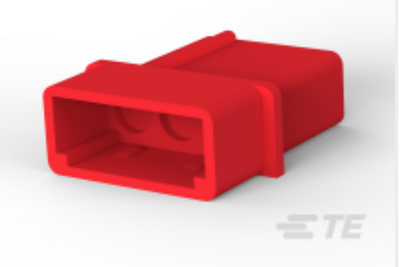
TE Part # 1-480278-0
12P CMNL CAP HSG P/M NATL



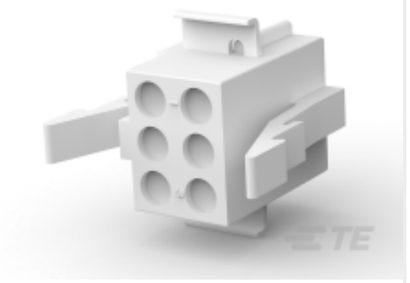
TE Part # 1-171196-0
6 POS MATE-N-LOK S



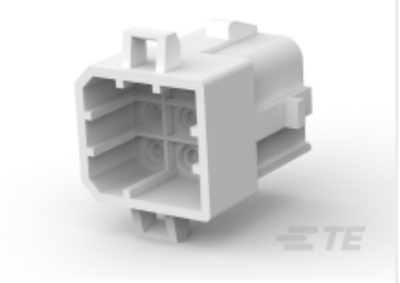
TE Part # 1-480400-0
01P CMNL PLUG HSG F/H BLK



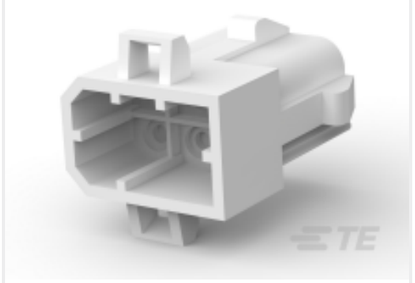
TE Part # 1-480305-2
03P CMNL CAP HSG F/H RED



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



TE Part # 3-480426-0
04P CMNL CAP HSG, H-TEMP

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



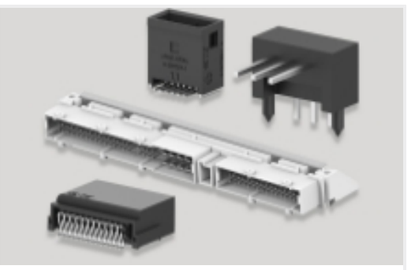
Connector Contacts(150)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(3)



PCB Headers & Receptacles(55)



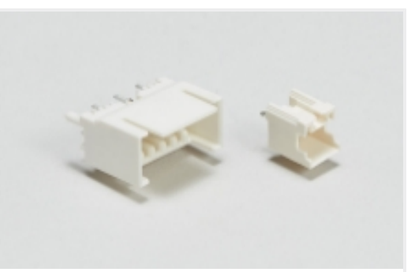
Power Contacts(146)



Rectangular Power Connectors(181)

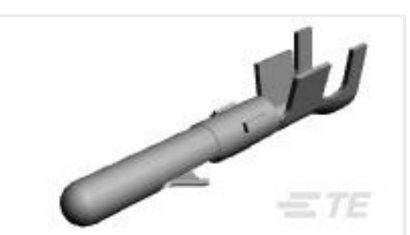


Standard Circular Connectors(2)



Wire-to-Board Headers & Receptacles (55)

Customers Also Bought



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



TE Part #1-353081-3
DYNAMIC D-5200 HDR H ASSY 3P



TE Part #2-2176641-5
3627C 575047 2200UH 10%



TE Part #4-2260661-1
DYNAMIC D5900 HORIZONTAL HDR ASSY 4P-X



TE Part #4-2260661-2
DYNAMIC D5900 HORIZONTAL HDR ASSY 4P-Y



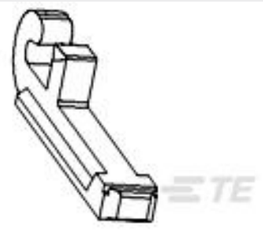
TE Part #6-2260661-1
DYNAMIC D5900 HORIZONTAL HDR ASSY 6P-X



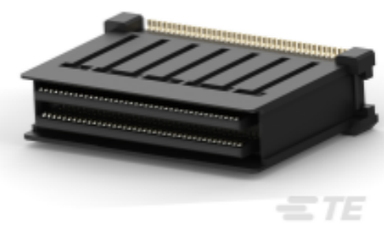
TE Part #4-2260663-1
DYNAMIC D5900 REC CONNECTOR ASSY 4P-X



TE Part #6-2260663-1
DYNAMIC D5900 REC CONNECTOR ASSY 6P-X



TE Part #2260828-1
DYNAMIC D5900 OPENER



TE Part #2305220-1
MICRO STACK HDR ASSY 20MM 0.1 GOLD

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

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Product Specifications

Application Specification

English