61117-4 ✔ ACTIVE

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

TE Internal #: 61117-4

Tin (Sn), Socket Contact, 20 – 14 AWG, 250 VAC, .52 – 2.08 mm² Wire, Locking Lance Contact Retention, Crimp, Phosphor Bronze, 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: **Tin**

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **With**

Features

Product Type Features

Discrete Wire Type	Stranded

Electrical Characteristics

Operating Voltage	250 VAC

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	Tin
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	15 A
Mating Pin Diameter	2.13 mm[.084 in]
Wire Contact Termination Area Plating Thickness	.508 – .812 µm[20 – 32 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	.52 – 2.08 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

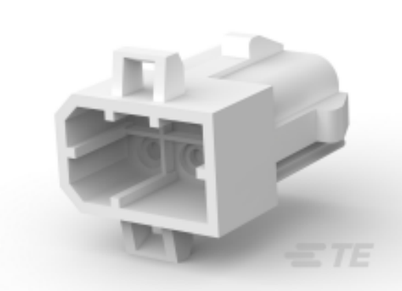
For compliance documentation, visit the product page on TE.com>

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



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

TE Part # 2151500-2
OCEAN_2.0_APPLICATOR-S-090F130F-RSA

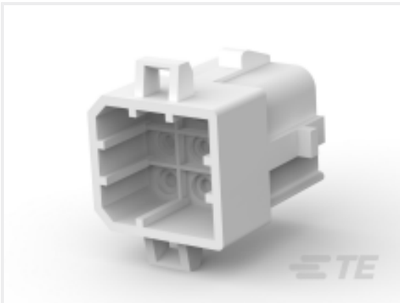
TE Part # 1-480387-0
03P CMNL CAP HSG F/H BLK

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

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

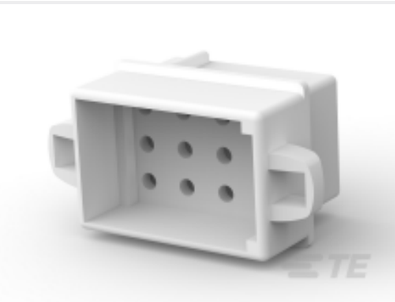
TE Part # 1-480340-0
06P CMNL CAP HSG F/H NATL

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



TE Part # 171268-1
CIRCUIT HOUSING CAP

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



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

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

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

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

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

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

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 # 1-305183-2
EXTRACT TOOL MATE-N-LOK SKT

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

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

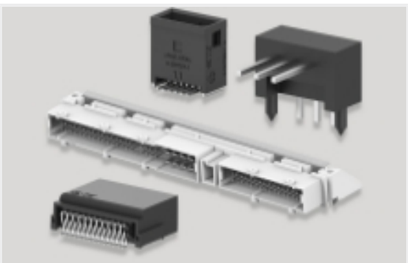
Also in the Series | Commercial MATE-N-LOK

Connector Caps & Covers(2)

Connector Contacts(150)

Connector Seals & Cavity Plugs(1)

Insertion & Extraction Tools(3)

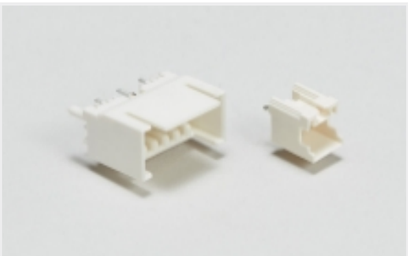


PCB Headers & Receptacles(55)

Power Contacts(146)

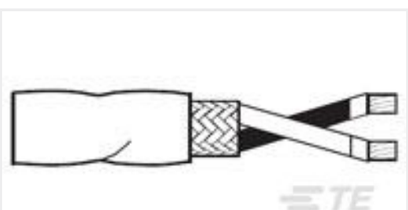
Rectangular Power Connectors(181)

Standard Circular Connectors(2)

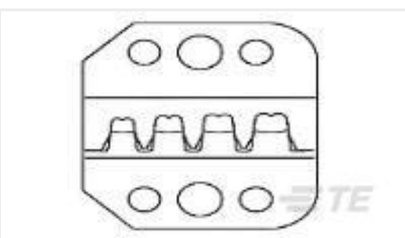


Wire-to-Board Headers & Receptacles (55)

Customers Also Bought



TE Part #7917753001
99M1121-24-2/6-0

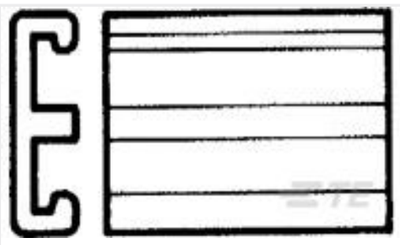


TE Part #90574-2
PROCRIMPER DIE ASSY COMM MNL

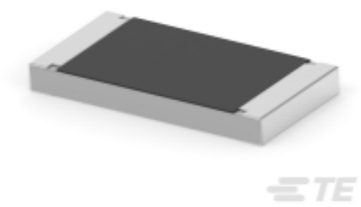
TE Part #1-480424-0
04P CMNL PLUG HSG F/H NATL

TE Part #CAT-103156-WBHSM
Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156

TE Part #770156-3
4P CMNL IDC PLUG 18AWG ORG V2



TE Part #770233-1
CMNL IDC COVER



TE Part #3-2176348-6
CRGCQ 2010 680K 5%

TE Part #CH5298-000
PP000009

TE Part #1413009-9
V23086C2001A403

Documents

Product Drawings

CMNL SOK 20-14 TPPHBZ

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_61117-4_AC.2d_dxf.zip

English

Customer View Model

ENG_CVM_61117-4_AC.3d_igs.zip

English

Customer View Model

ENG_CVM_61117-4_AC.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_61117-4_BJ.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_61117-4_BJ.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_61117-4_BJ.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English