1-480683-0 ✔ ACTIVE

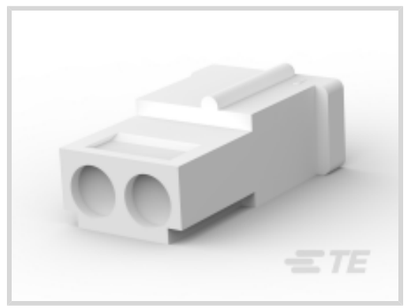
MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 1-480683-0

2 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-2, 5.08 mm [.2 in] Centerline, 1 Row, 250 VAC, Wire & Cable, Commercial MATE-N-LOK

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Termination Method to Wire & Cable: **Crimp**

Connector System: **Wire-to-Wire**

Contact Retention Within Housing: **Without**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Inline
Contact Retention Within Housing	Without
Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Material	Nylon

Dimensions

	.53 in

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Identification Marking

Circuit Identification Feature	With

Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Certified, Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	LR 16455
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Product Compliance

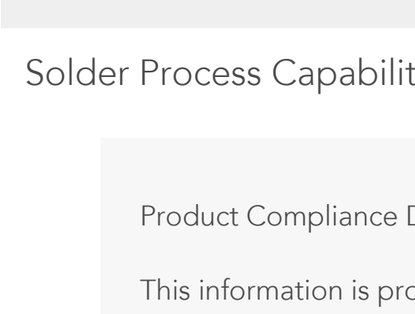
For compliance documentation, visit the product page on TE.com>

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

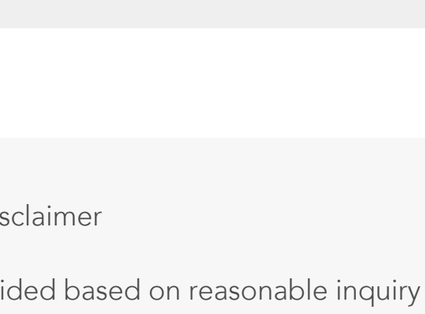
Product Compliance Disclaimer

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

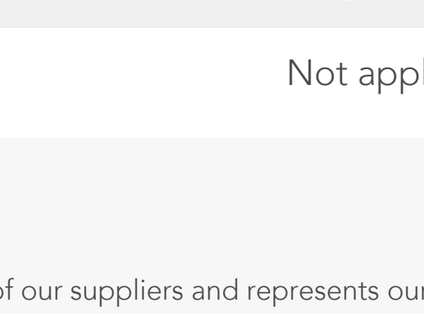
Compatible Parts



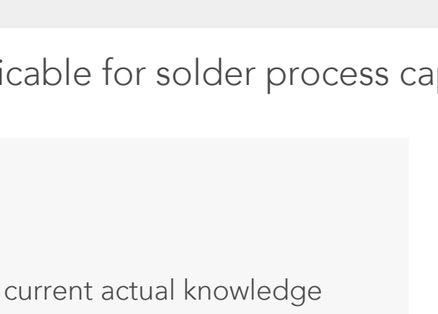
TE Part # 163555-7
MATE-N-LOK PIN 0,3-



TE Part # 2029185-1
CMNL SKT W/INDENTED SIDES



TE Part # 163300-6
MATENLOK SOCKET TP



TE Part # 170120-1
MATE-N-LOK SOCKET 2



TE Part # 170120-4
MATE-N-LOK SOCKET



TE Part # 163555-6
MATENLOK PIN



TE Part # 1-480319-4
02P CMNL CAP HSG F/H YELL



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



TE Part # 163302-8
MATENLOK SOCKET



TE Part # 163303-6
MATE-N-LOK PIN



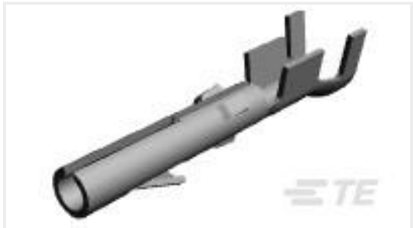
TE Part # 163302-7
MATENLOK SOCKET



TE Part # 163558-2
PIN M-N-L



TE Part # 163558-4
PIN M-N-L



TE Part # 163304-3
MATENLOK SOCKET



TE Part # 163302-6
MATENLOK SIDE WAY



TE Part # 163307-2
MATENLOK PIN



TE Part # 350512-1
UMNL SOK DBL WIRE .0126PTPBR



TE Part # 350638-4
MNL SOK L/P



TE Part # 350078-4
CMNL SOK 30-22 PTPPHBZ

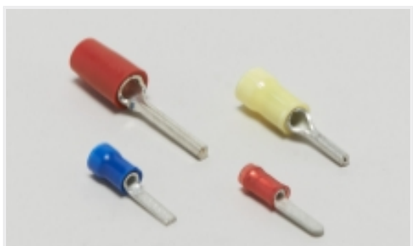


TE Part # 350078-1
CMNL SOK 30-22 PTPBR

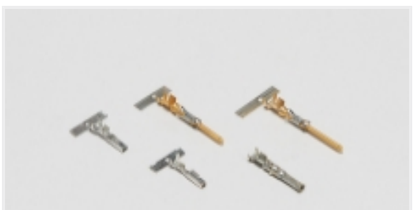
Also in the Series | Commercial MATE-N-LOK



Connector Contacts(150)



Crimp Wire Pins, Tabs & Ferrules(2)



Power Contacts(146)



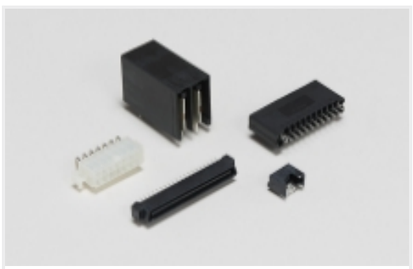
Rectangular Connector Housings(118)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)



Standard Rectangular Connectors(126)

Customers Also Bought



TE Part #60577-1
110 FASTON REC 22-18 AWG TPBR



TE Part #60617-4
CMNL SOK PTPPHBZ L/P



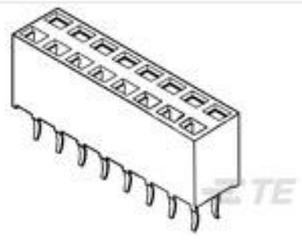
TE Part #61314-1
CMNL SOK 24-18 TPBR



TE Part #61368-1
250 FASTON REC 24-20 AWG TPBR



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



TE Part #1-215307-3
2X13P HV100 REC CON. TE, 7.0MM



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



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



TE Part #6-1625892-6
3W SM M/OX 5% 68K



TE Part #4-2176430-8
MPT35 22R 1%

Documents

Product Drawings

02P CMNL PLUG HSG F/H NATL

English

CAD Files

Customer View Model

ENG_CVM_1-480683-0_D.3d_igs.zip

English

Customer View Model

ENG_CVM_1-480683-0_D.3d_stp.zip

English

Customer View Model

ENG_CVM_1-480683-0_D.2d_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-480683-0_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-480683-0_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-480683-0_S.3d_stp.zip

English

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Product Specifications

Application Specification

English