1-480275-0 ✔ ACTIVE

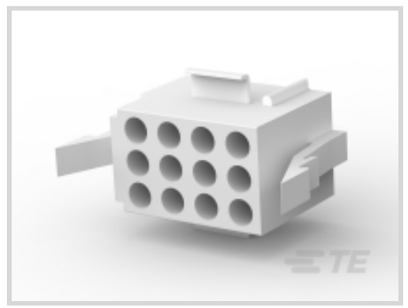
MATE-N-LOK | Commercial MATE-N-LOK

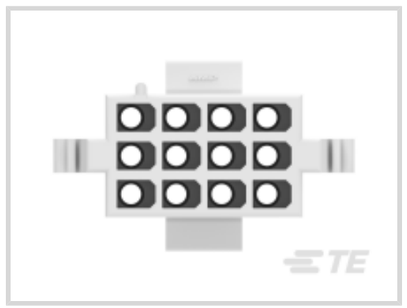
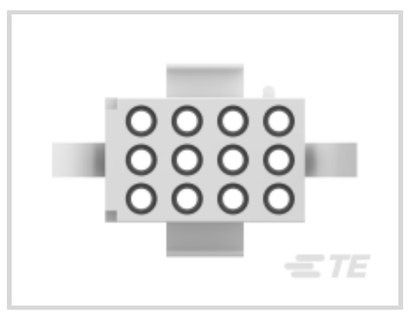
TE Internal #: 1-480275-0

Commercial MATE-N-LOK, Rectangular Power Connectors, Housing, Plug, Wire-to-Panel / Wire-to-Wire, 12 Position, 6.09mm [.24in] Centerline, Wire & Cable

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Number of Positions: **12**

Centerline (Pitch): **6.09 mm [.24 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	3

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Locking Leg
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	6.09 mm[.24 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	5.13 mm[.202 in]
Panel Thickness	.64 – 1.65 mm[.025 – .065 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

UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Certified, Recognized
Agency/Standard Number	E28476
CSA File Number	LR16455
VDE Tested	No
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Bag
Packaging Quantity	1

Other

For Use With	Pin (Cap) Housing

Product Compliance

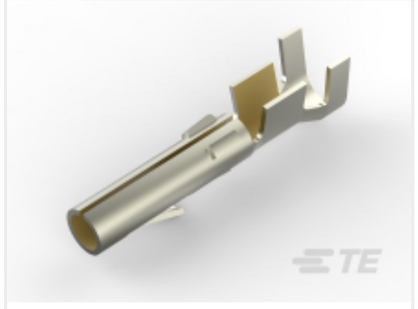
For compliance documentation, visit the product page on TE.com>

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

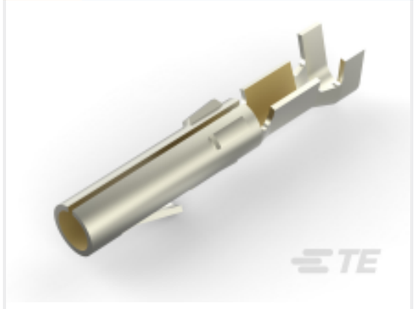
Product Compliance Disclaimer

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

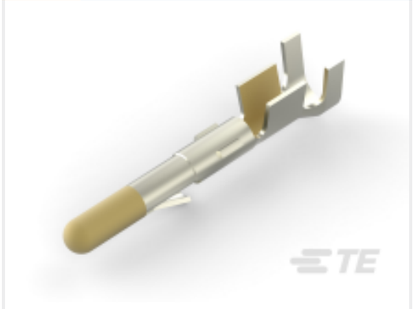
Compatible Parts



TE Part # 60619-5
CMNL SOK AUBR L/P



TE Part # 60617-5
CMNL SOK AUBR L/P



TE Part # 60618-5
CMNL PIN AUBR L/P



TE Part # 60618-4
CMNL PIN PTPPHBZL/P



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



TE Part # 61174-1
CMNL PIN L/P PTBR



TE Part # 61173-1
CMNL SOK 30-22 PTBR L/P



TE Part # 60619-1
CMNL SOK PTPBR L/P



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



TE Part # 60620-1
CMNL PIN 20-14 TPBR L/P



TE Part # 60617-1
CMNL SOK SNBR L/P



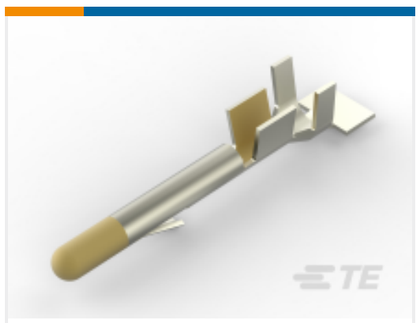
TE Part # 163304-2
MATENLOK SOCKET SDW



TE Part # 163305-2
MATENLOK PIN SDW



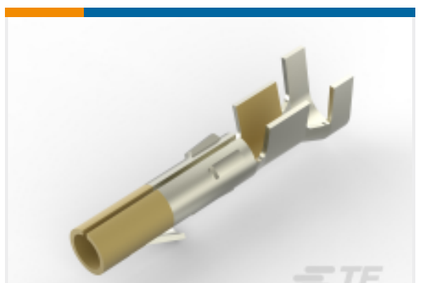
TE Part # 60619-4
CMNL SOK PTPPHBZ L/P



TE Part # 61118-5
CMNL PIN 20-14 AUNIBR



TE Part # 61116-4
CMNL PIN 24-18 PTPHBZ



TE Part # 61117-5
CMNL SOK 20-14 AUBR



TE Part # 350557-4
MNL SOK SPECIAL .0125PTPPHBZ



TE Part # 61314-4
CMNL SOK 24-18 TPPHBZ



TE Part # 163302-6
MATENLOK SIDE WAY

Also in the Series | Commercial MATE-N-LOK



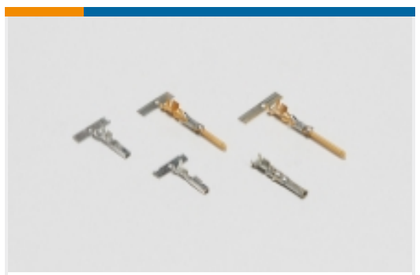
Connector Contacts(26)



Crimp Wire Pins, Tabs & Ferrules(3)



Insertion & Extraction Tools(5)



Power Contacts(129)



Rectangular Caps & Covers(2)



Rectangular Connector Housings(17)



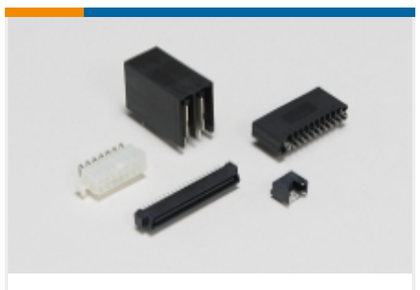
Rectangular Connector Seals(1)



Rectangular Power Connectors(171)



Standard Circular Connectors(4)



Standard Rectangular Connectors(10)



Wire-to-Board Connector Contacts(1)

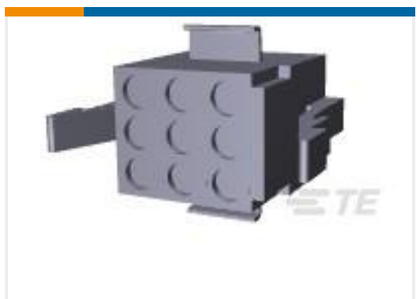
Customers Also Bought



TE Part #1-1318116-3
DYNAMIC 2000 REC AND TAB HSG



TE Part #1-179554-3
DYNAMIC 3200 REC AND TAB HSG



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



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



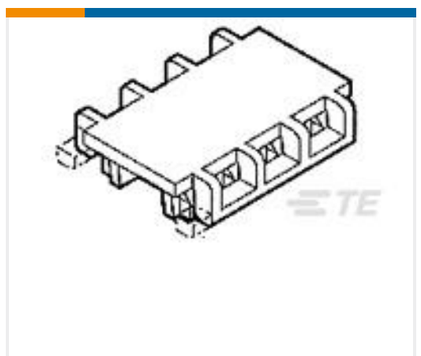
TE Part #1-480304-0
03P CMNL PLUG HSG P/M NATL



TE Part #1-480276-0
06P CMNL CAP HSG P/M NATL



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



TE Part #643071-8
08P MTA156 FD-THRU COVER



TE Part #1-175218-3
DYNAMIC 3000 CONTACT



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

Documents

Product Drawings

12P CMNL PLUG HSG P/M NATL

English

CAD Files

3D PDF

3D

3D PDF

English

Customer View Model

ENG_CVM_1-480275-0_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-480275-0_M.3d_igs.zip

English

Customer View Model

ENG_CVM_1-480275-0_M.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-480275-0_AU.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-480275-0_AU.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-480275-0_AU.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_1-480275-0_11302015815_dmtec

English

MD_1-480275-0_11302015815_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English