



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

TE Internal #: 1-480305-9

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire,
3 Position, 5.08 mm [.2 in] Centerline, Wire & Cable, UL 94V-2,
Commercial MATE-N-LOK

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **3**

Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Layout	Inline
Contact Retention Within Housing	Without
Contact Type	Pin



Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Housing Features

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

Usage Conditions

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

Circuit Application	Power & Signal
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

CSA Rating	LR 16455
UL Rating	Certified, Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
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 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

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



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



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



TE Part # 60620-4
CMNL PIN 20-14 TPPHBZ 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 # 61314-6
CMNL SOK S/F 24-18 .0125AUPHBZ



TE Part # 1-480303-0
03P CMNL PLUG HSG F/H NATL




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




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

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)




Connector Contacts(150)




Connector Seals & Cavity Plugs(1)



Crimp Wire Pins, Tabs & Ferrules(2)




Insertion & Extraction Tools(3)



Rectangular Connector Housings(9)



Rectangular Power Connectors(167)



Standard Circular Connectors(2)



Standard Rectangular Connectors(7)

Customers Also Bought



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



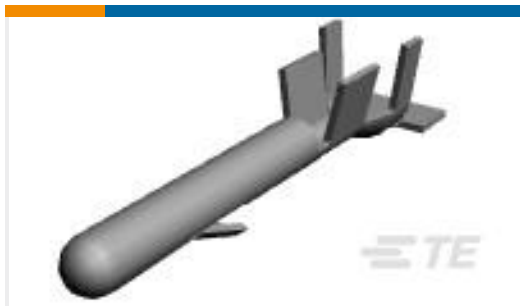
TE Part #1-480319-9
02P CMNL CAP HSG F/H BLK



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



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



TE Part #61118-1
MNL PIN 20-14 TPBR



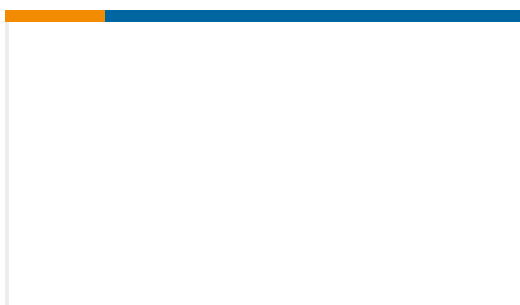
TE Part #42400-2
250 FASTON REC 18-14 AWG TPBR



TE Part #2154829-1
High Power Inverted Thru Board Con 2 Pos



TE Part #1SNL312510R0000
DBL125



TE Part #2829372-1
2 POS EP-II CONN, UL 1015, 18AWG

Documents

Product Drawings

[03P CMNL CAP HSG F/H BLK](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_1-480305-9_R.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_1-480305-9_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-480305-9_R.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-480305-9_BG.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480305-9_BG.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480305-9_BG.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

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[Instruction Sheet \(U.S.\)](#)

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[Instruction Sheet \(U.S.\)](#)

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Agency Approvals

[Agency Approval Document](#)

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