

1-480696-0 ✓ ACTIVE

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

TE Internal #: 1-480696-0

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 6 Position, 4.95 mm [.195 in] Centerline, Wire & Cable, UL 94V-2, Commercial MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

Centerline (Pitch): **4.95 mm [.195 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	6
Number of Rows	2, 3

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Retention Within Housing	Without
Contact Type	Socket



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)	4.95 mm [.195 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

	.725 in
Row-to-Row Spacing	9.14 mm [.36 in]

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
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

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 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



Also in the Series | Commercial MATE-N-LOK



Connector Contacts(20)



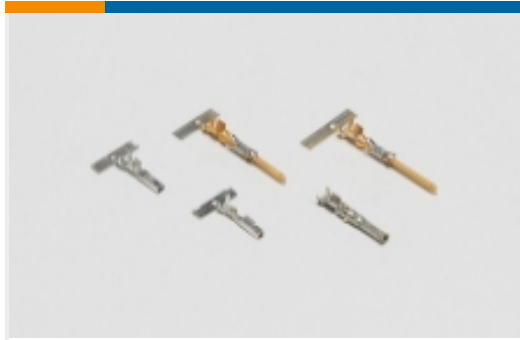
Connector Seals & Cavity Plugs(1)



Crimp Wire Pins, Tabs & Ferrules(2)



Insertion & Extraction Tools(3)



Power Contacts(129)



Rectangular Caps & Covers(2)



Rectangular Connector Housings(11)



Rectangular Power Connectors(169)



Standard Circular Connectors(2)



Standard Rectangular Connectors(7)



Wire-to-Board Connector Contacts(1)

Customers Also Bought



TE Part #E17344-000
CM-SCE-TP-1/2-4H-9



TE Part #2063388-1
TOOL, EXTRACTION



TE Part #66099-1
III+ PIN,18-16,30AU>10,LP



TE Part #770581-1
12P MINI UMNL PLUG HSG



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



TE Part #172166-1
3 CIR UNIV M-N-L PLUG



TE Part #794895-1
6 CIR MINI UMNL RND WIRE HOLES



TE Part #1-480699-0
02P UMNL CAP HSG NATL

Documents



Product Drawings

06P CMNL PLUG HSG M-M D/L NATL

English

CAD Files

Customer View Model

[ENG_CVM_1-480696-0_B.2d_dxf.zip](#)

English

3D PDF

English

Customer View Model

[ENG_CVM_1-480696-0_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-480696-0_B.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-480696-0_T.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480696-0_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480696-0_T.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English