

16P CMNL PLUG HSG M/M NATL

✓ ACTIVE

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

TE Part # 1-480438-0

TE Internal #: 1-480438-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Housing**
Housing Type: **Plug**
Connector System: **Wire-to-Wire**
Number of Positions: **16**
Centerline (Pitch): **4.95 mm [.195 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	16
Number of Rows	2
Row-to-Row Spacing	.36 mm[9.14 in]

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Retention	Without
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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]
UL Flammability Rating	UL 94V-2
Housing Color	Natural
Housing Material	Nylon 6/6

Dimensions

Height	21.59 mm
Width	18.42 mm
Length	40.26 mm

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

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	Package
Packaging Quantity	1

Other

For Use With	Pin (Cap) Housing
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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 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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

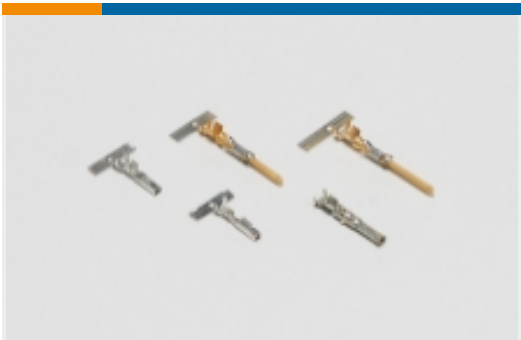
Product Compliance Disclaimer

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Connector Contacts(39)



Power Contacts(94)



Rectangular Power Connectors(3)



Standard Rectangular Connectors(1)

Also in the Series | Commercial MATE-N-LOK

16P CMNL PLUG HSG M/M NATL

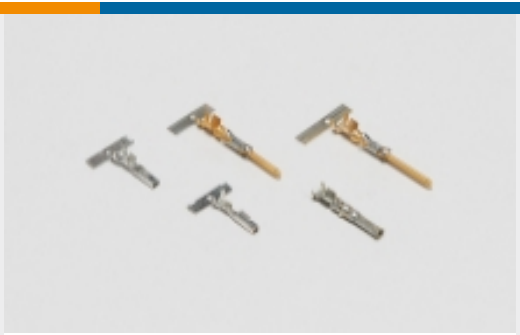
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Connector Contacts(55)



Crimp Wire Pins, Tabs & Ferrules(3)



Power Contacts(132)



Rectangular Caps & Covers (2)



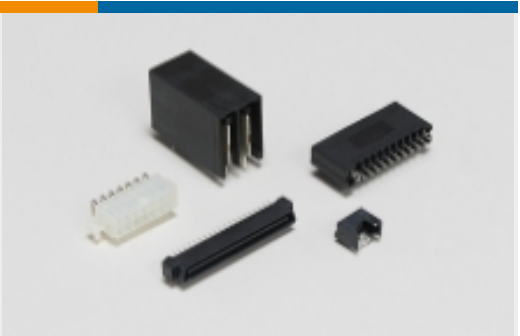
Rectangular Connector Housings(20)



Rectangular Connector Seals(1)



Rectangular Power Connectors(171)



Standard Rectangular Connectors(10)



Wire-to-Board Connector Contacts(1)

Customers Also Bought



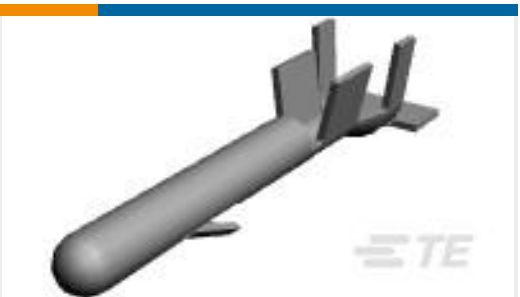
TE Part #350214-1
16P CMNL HDR ASSY PC NATL



TE Part #1-480439-0
16P CMNL CAP HSG M/M NATL



TE Part #1-770849-2
12P SL156 HSG W/LCK RMP & TABS



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



TE Part #61117-1
CMNL SOK 20-14 TPBR



TE Part #42511-2
FASTON 250 FLAG REC 18-12 AWG TPBR



TE Part #60617-6
CMNL SOK AUPHBZ L/P



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



TE Part #170891-2
[SLEEVE 250 NAT](#)

Documents

Product Drawings

[16P CMNL PLUG HSG M/M NATL](#)

English

CAD Files

Customer View Model

[ENG_CVM_1-480438-0_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-480438-0_E.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-480438-0_E.2d_dxf.zip](#)

English

3D PDF

English

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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Agency Approvals

[Agency Approval Document](#)

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