350073-1 ✔ ACTIVE

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

TE Internal #: 350073-1

Commercial MATE-N-LOK, Power Contacts, Contact, Operating Voltage 250 VAC, Operating Voltage 250 VDC, Pre-Tin, Wire-to-Board, Printed Circuit Board

View on TE.com >

Connectors > Power Connectors > Power Contacts







Power Contact Type: **Contact**

Operating Voltage: **250 VDC**

Contact Mating Area Plating Material: **Pre-Tin**

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

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	15 A
Contact Type	Socket
Contact Retention Within Housing	With
Mating Pin Diameter	2.11 mm[.083 in]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Pre-Tin
PCB Contact Termination Area Plating Material Thickness	.4 – 3.5 µm[15.74 – 137.7 µin]

Contact Orientation	Straight

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Board Mount

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	No

Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

Other

For Use With	Commercial MATE-N-LOK housings
Comment	For .125 max. board thickness - Board hole size .057 +/- .003.

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

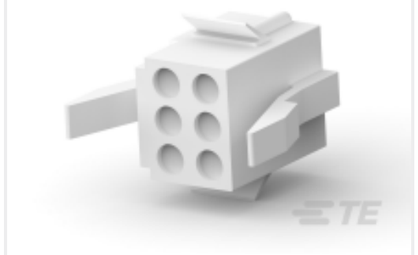
Solder Process Capability

Not applicable for solder process capability

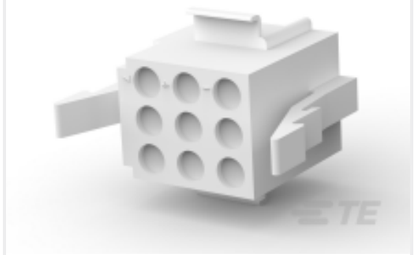
Product Compliance Disclaimer

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

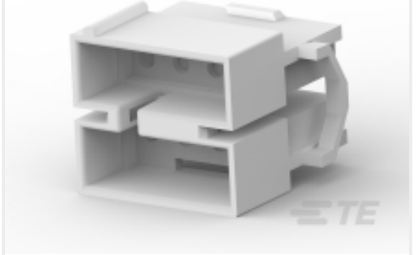
Compatible Parts



TE Part # 1-171196-0
6 POS MATE-N-LOK S



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



TE Part # 1-480284-0
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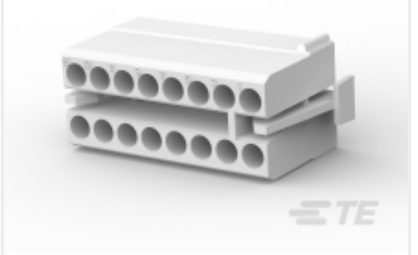

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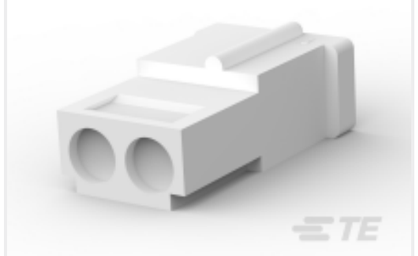

TE Part # 1-480683-0
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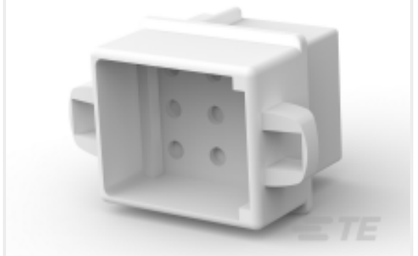

TE Part # 1-480277-0
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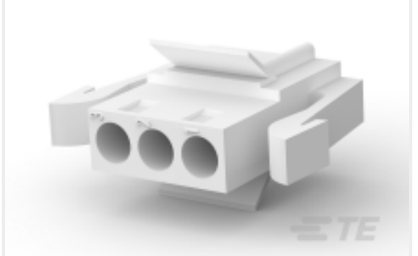

TE Part # 1-480304-0
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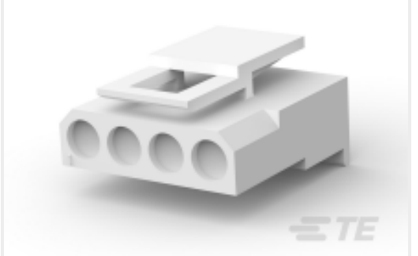
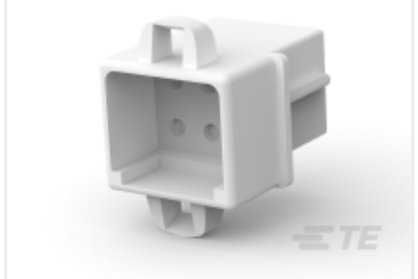


TE Part # 1-480722-0
04P CMNL PLUG HSG W/LCK NATL



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



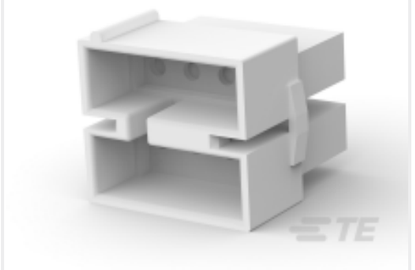
TE Part # 1-480285-0
10P CMNL PLUG HSG M/M NATL



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



TE Part # 1-480393-1
02P CMNL PLUG HSG F/H BLK



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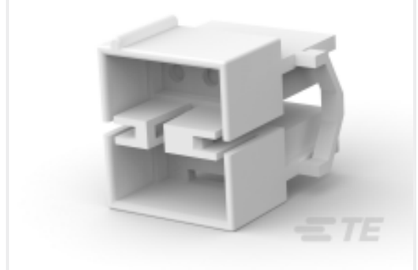

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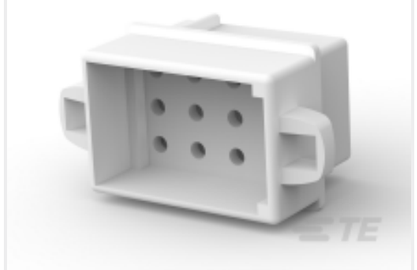

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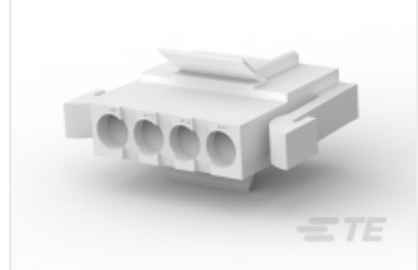


TE Part # 1-480425-0
04P CMNL PLUG HSG P/M NATL



TE Part # 1-480324-0
15P CMNL CAP HSG P/M NATL



TE Part # 1-480721-0
03P CMNL PLUG HSG W/LOK NATL



TE Part # 1-480323-0
15P CMNL PLUG HSG P/M NATL



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

Also in the Series | Commercial MATE-N-LOK



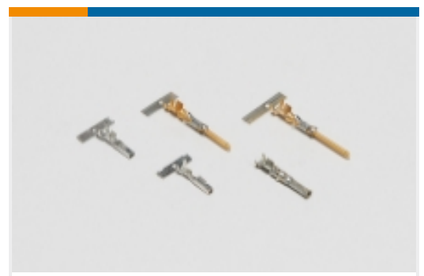
Connector Contacts(26)



Crimp Wire Pins, Tabs & Ferrules(3)



Insertion & Extraction Tools(5)



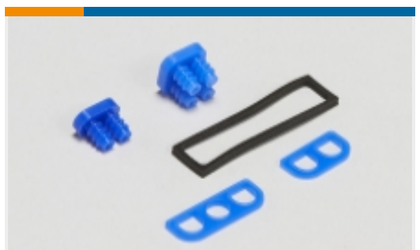
Power Contacts(129)



Rectangular Caps & Covers(2)



Rectangular Connector Housings(17)



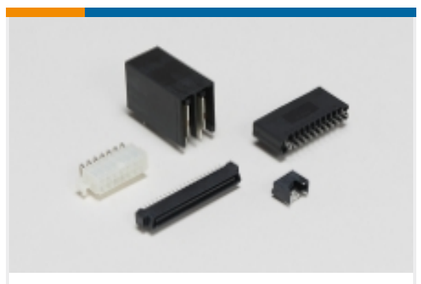
Rectangular Connector Seals(1)



Rectangular Power Connectors(171)



Standard Circular Connectors(4)



Standard Rectangular Connectors(10)

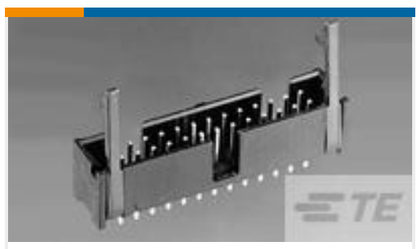


Wire-to-Board Connector Contacts(1)

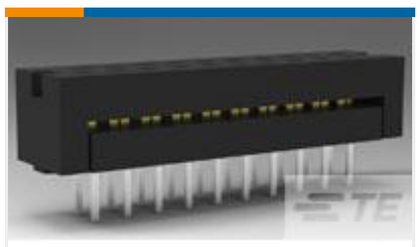
Customers Also Bought



TE Part #1-2823450-4
M12 STRAIGHT CRIMPED STRAIN RELIEF



TE Part #1761609-3
IDC LOW PRO HDR 10P RA SHT LAT



TE Part #1-746610-8
34 DIP PLUG, 100CL, LEAD FREE



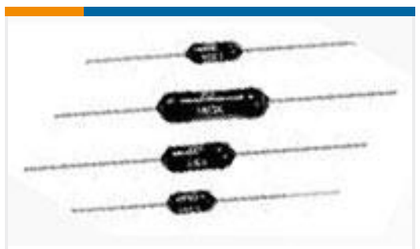
TE Part #1-644752-0
10P MTA156 HDR ASSY SQ STR F/L



TE Part #1-480318-4
02P CMNL PLUG HSG F/H YELL



TE Part #1879355-1
RR03 5% 4K3 AMMO



TE Part #2-1879640-0
H4P 2K87 0.5% 50PPM



TE Part #TAA756A1611-002
Fieldbus,DeviceNet M12 A-Code 5p PVC DE



TE Part #1-480303-2
03P CMNL PLUG HSG F/H RED



TE Part #1-2316102-2
12P,2MM,REC,HSG,SR,CRIMP,PLAIN, BOX

Documents

Product Drawings

CMNL PCB SOK PTPPHBZ

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_350073-1_H1.3d_igs.zip

English

Customer View Model

ENG_CVM_350073-1_H1.3d_stp.zip

English

Customer View Model

ENG_CVM_350073-1_H1.2d_dxf.zip

English

3D PDF

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Customer View Model

ENG_CVM_CVM_350073-1_P.2d_dxf.zip

English

Customer View Model

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English

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Datasheets & Catalog Pages

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English