



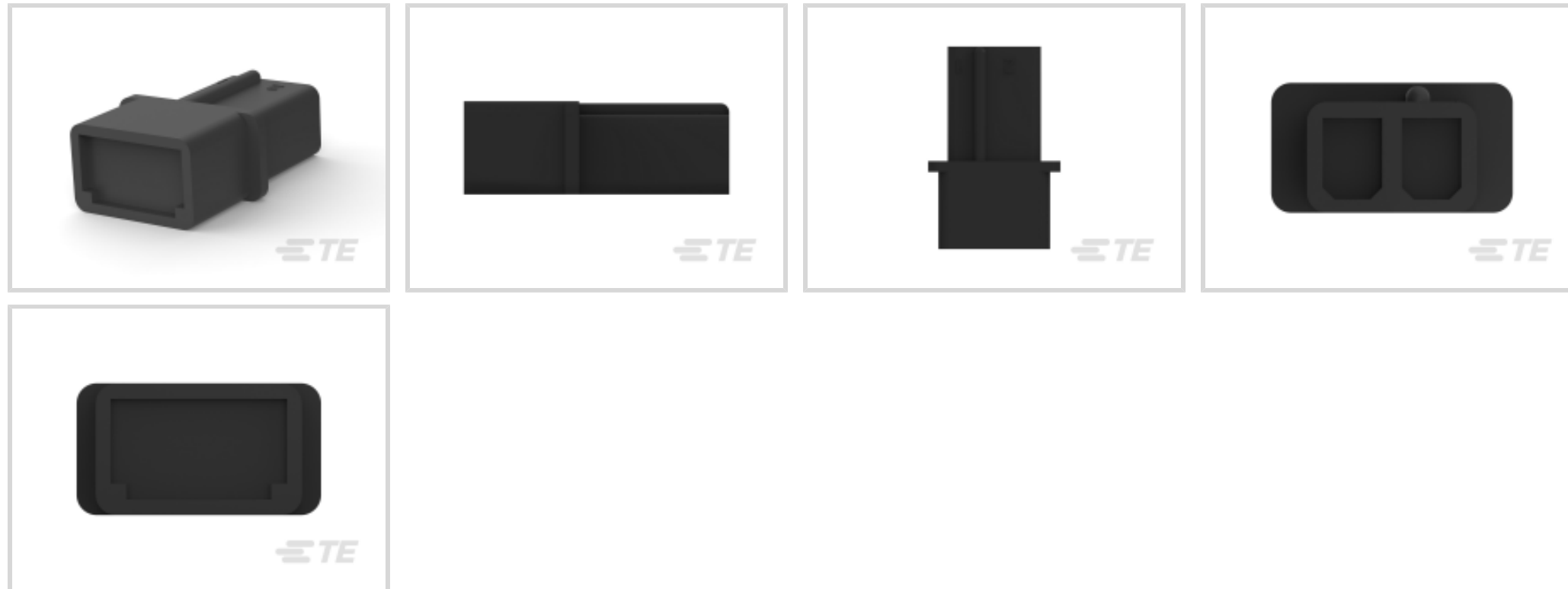
MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 1-480498-1

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

[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: **2**

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	2
Number of Rows	1

**Electrical Characteristics**

Operating Voltage	250 VAC
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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

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	Package
Packaging Quantity	1

### Other

For Use With	Socket (Plug) 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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) 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

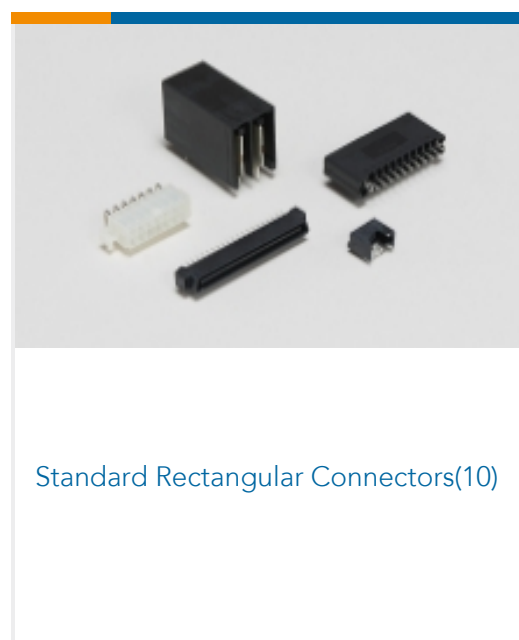
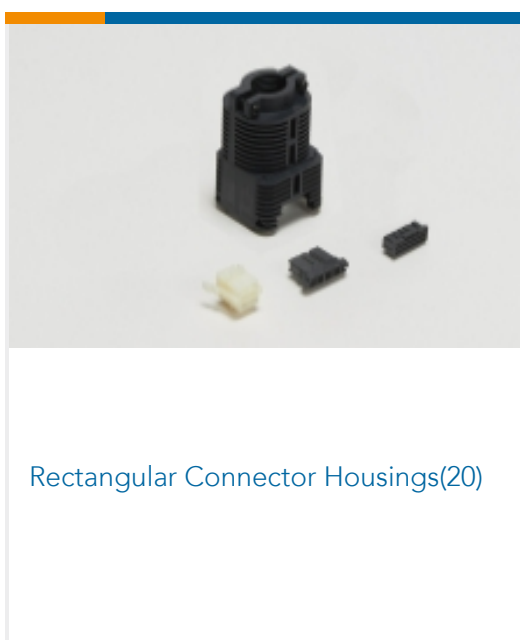
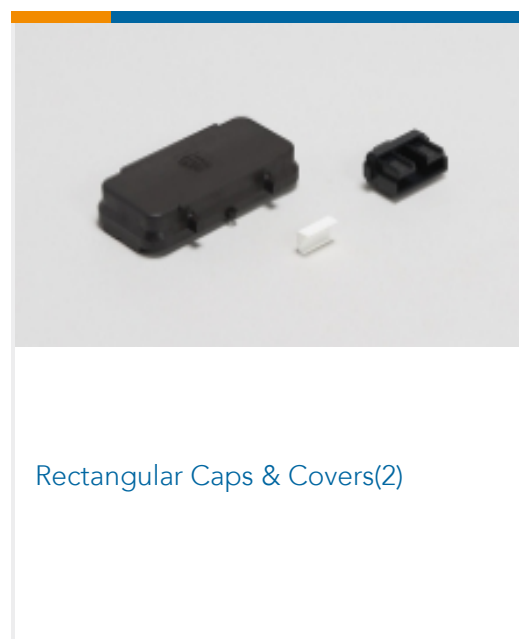
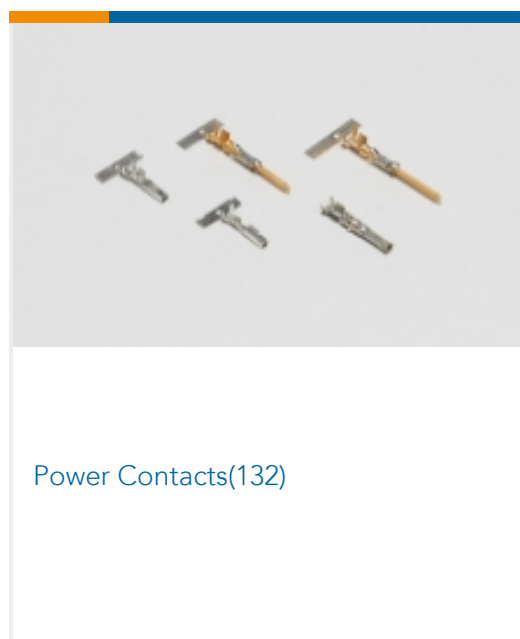
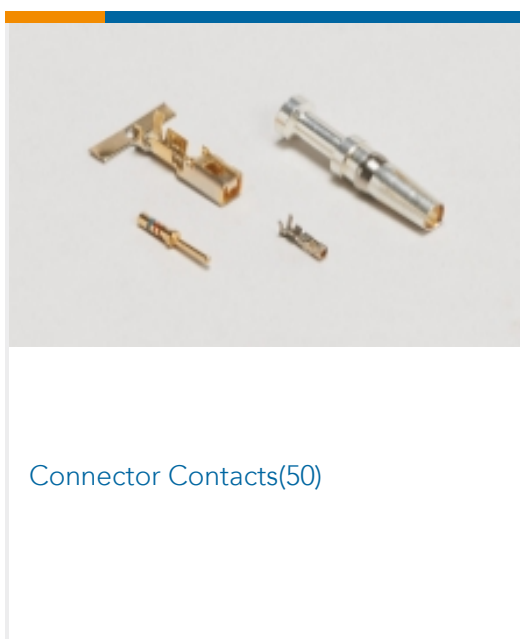
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <p>TE Model / Part # 61118-5 CMNL PIN 20-14 AUNIBR</p>	 <p>TE Model / Part # 61527-2 CMNL GROUDING PIN 22-18 PTPBR</p>	 <p>TE Model / Part # 61117-7 CMNL SOK 20-14 AUBR</p>	 <p>TE Model / Part # 61173-5 CMNL SOK 30-22 AUNIBR L/P</p>
 <p>TE Model / Part # 61174-5 CMNL PIN L/P AUNIBR</p>	 <p>TE Model / Part # 61366-1 AUTO MNL PIN PTPBR</p>	 <p>TE Model / Part # 61314-6 CMNL SOK S/F 24-18 .0125AUPHBZ</p>	 <p>TE Model / Part # 61173-1 CMNL SOK 30-22 PTBR L/P</p>



Also in the Series | Commercial MATE-N-LOK

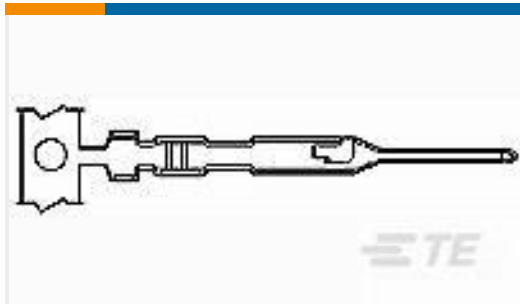






Wire-to-Board Connector Contacts(1)

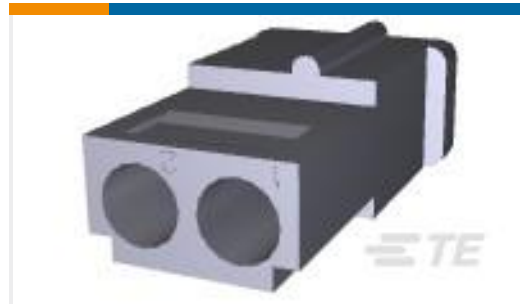
## Customers Also Bought



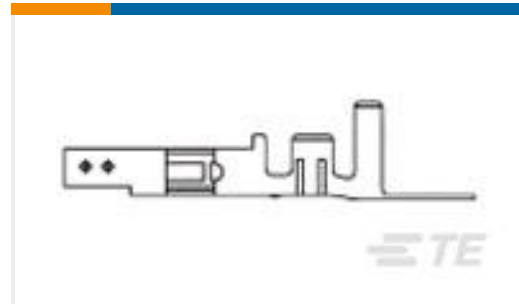
TE Model / Part #5-104506-5  
MTE PIN LP



TE Model / Part #52041-7  
TERMINAL R PG 8 1/4



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



TE Model / Part #1586315-4  
VAL-U-LOK SKT PHBZ AU 24-18 LP



TE Model / Part #5-211111-1  
AMPLIMITE PLUG ASY,COAX MIX



TE Model / Part #184246-1  
2X2 CAP ASY KEY A C4



TE Model / Part #1-480387-0  
03P CMNL CAP HSG F/H BLK



TE Model / Part #184165-1  
2 POS. CAP HSG., KEY C



TE Model / Part #1-480388-0  
03P CMNL PLUG HSG F/H BLK



TE Model / Part #3-641654-2  
02P MTA100 CONN ASSY NATL LF

## Documents

### Product Drawings

[02P CMNL CAP HSG F/H BLK](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_1-480498-1\\_C.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_1-480498-1\\_C.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-480498-1\\_C.2d\\_dxf.zip](#)

English

**3D PDF**

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-480498-1\\_L.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-480498-1\\_L.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-480498-1\\_L.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Instruction Sheets

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

English