

1-480276-0 ✓ ACTIVE

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

TE Internal #: 1-480276-0

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire,
6 Position, 5.1 mm [.202 in] Centerline, Wire & Cable, 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: **6**

Centerline (Pitch): **5.1 mm [.202 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	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Contact Features

Contact Retention Within Housing	Without
Contact Type	Pin



Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	5.1 mm [.202 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	6.09 mm [.24 in]
--------------------	------------------

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Identification Marking

Circuit Identification Feature	With
--------------------------------	------

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	1
Packaging Method	Package

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
------------------------------	-----------

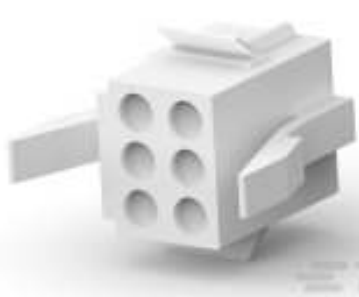









EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	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

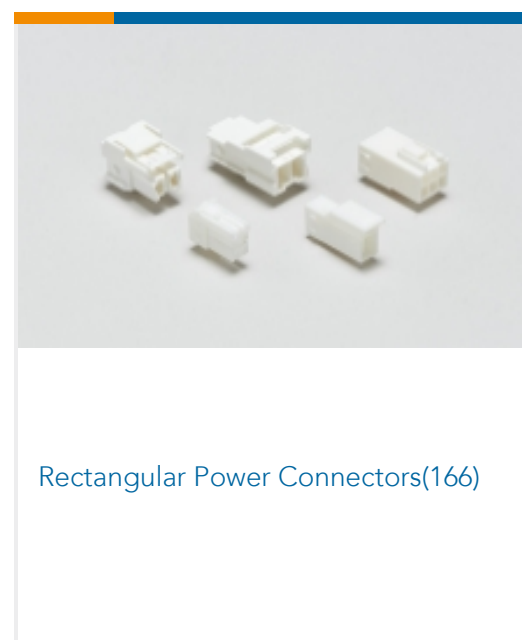
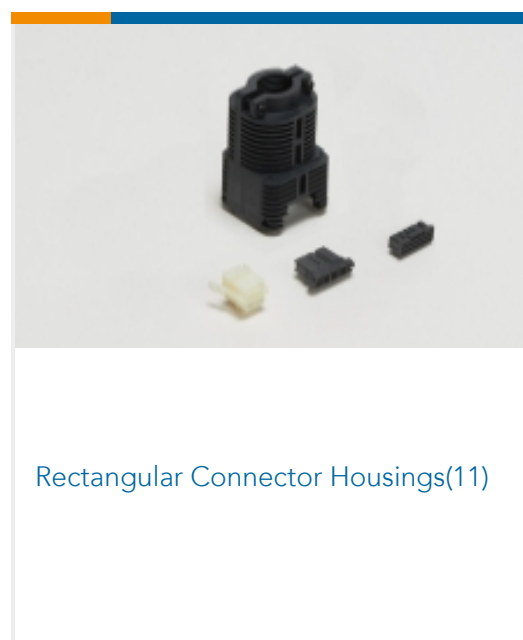
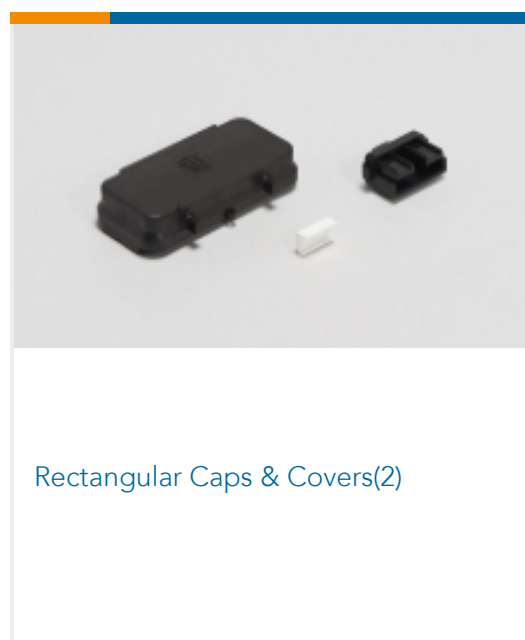
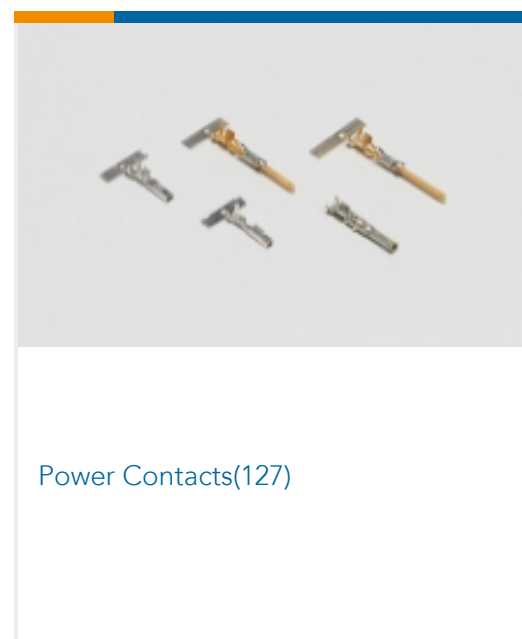
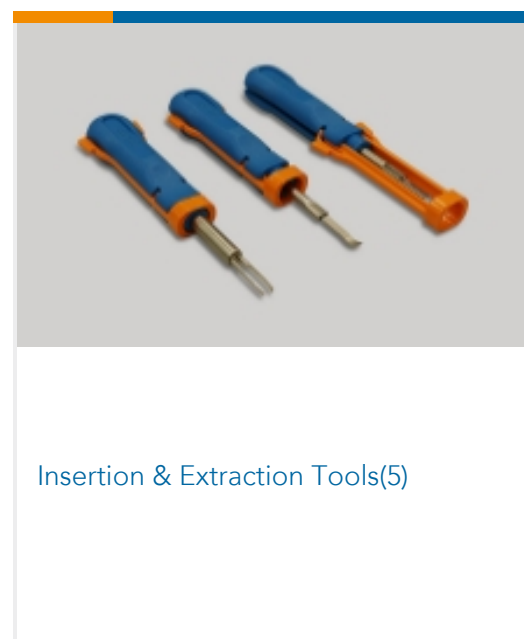
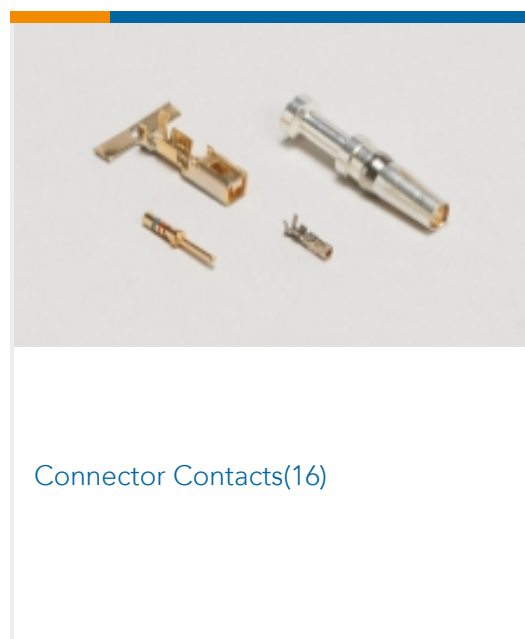
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 <p>TE Part # 1-171196-0 6 POS MATE-N-LOK S</p>	 <p>TE Part # 60619-5 CMNL SOK AUBR L/P</p>	 <p>TE Part # 60617-5 CMNL SOK AUBR L/P</p>	 <p>TE Part # 60618-5 CMNL PIN AUBR L/P</p>
 <p>TE Part # 60618-4 CMNL PIN PTPPHBZL/P</p>	 <p>TE Part # 60617-4 CMNL SOK PTPPHBZ L/P</p>	 <p>TE Part # 61174-1 CMNL PIN L/P PTBR</p>	 <p>TE Part # 61173-1 CMNL SOK 30-22 PTBR L/P</p>



Also in the Series | Commercial MATE-N-LOK





Standard Circular Connectors(2)



Standard Rectangular Connectors(7)

Customers Also Bought



TE Part #175288-5
DYNAMIC D-3 TAB CONT. M PRE-TIN L/P



TE Part #2600047-1
18CCT PLUG BLACK KEYING A W /SEAL



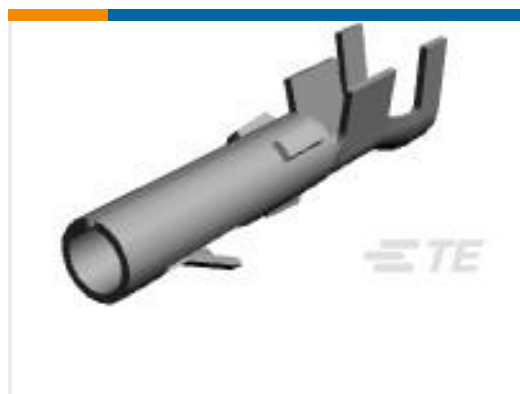
TE Part #60620-1
CMNL PIN 20-14 TPBR L/P



TE Part #1-480305-0
03P CMNL CAP HSG F/H NATL



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



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



TE Part #5-146128-6
08 MODII HDR SR SFMNT B/A .100



TE Part #2600046-1
18CCT RECEP BLACK KEYING A W /SEAL



TE Part #794012-1
02P CMNL CAP HSG W/POS LOCK



TE Part #2119588-1
SPRING-FEED FINGER

Documents

Product Drawings

[06P CMNL CAP HSG P/M NATL](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_1-480276-0_V.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_1-480276-0_V.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-480276-0_V.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-480276-0_AL.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480276-0_AL.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480276-0_AL.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Instruction Sheets

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

English

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

English

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

English

Agency Approvals

[Agency Approval Document](#)

English