

61518-1 ✓ ACTIVE

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

TE Internal #: 61518-1

Connector Contacts, Pin, Tin, Tin, 250 VAC, Locking Lance Contact Retention, Wire-to-Board, Discrete Wire, Crimp, Commercial MATE-N-LOK

[View on TE.com >](#)



Connectors > Rectangular Connectors > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Tin**

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **With**

Features

Product Type Features

Discrete Wire Type	Stranded
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Diameter	2.13 mm[.084 in]
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze



Contact Current Rating (Max)	15 A
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Method to Wire & Cable	Crimp

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]
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Operation/Application

For Multiple Crimp	No
For Use With	Pin (Cap) Housing
Circuit Application	Power

Industry Standards

VDE Tested	No
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Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

Other

Comment	For .062 max. board thickness - Board hole size .057 +/- .003.
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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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC

Free

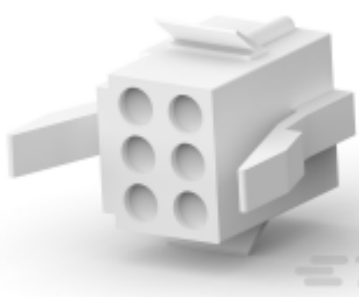
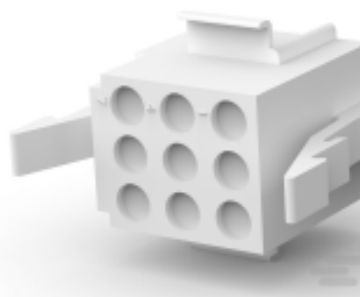
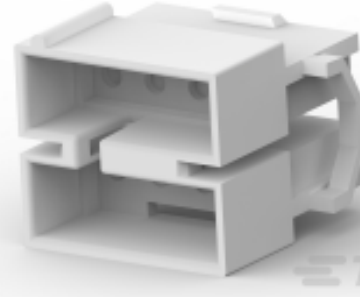

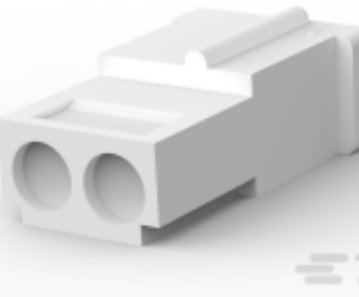
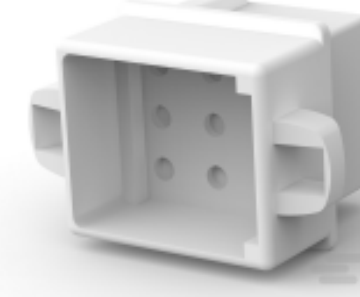
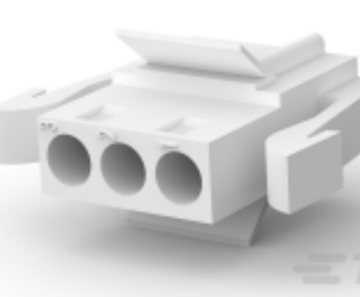
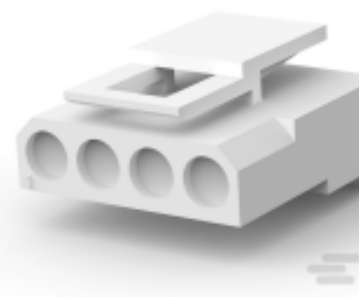
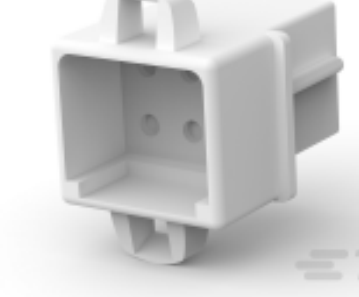

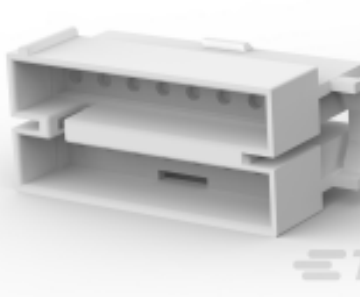
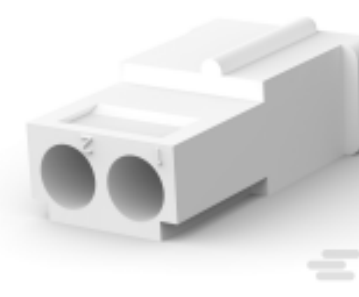
Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

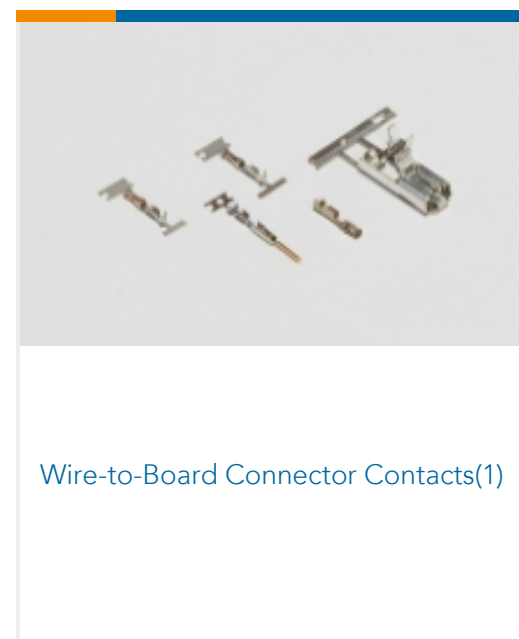
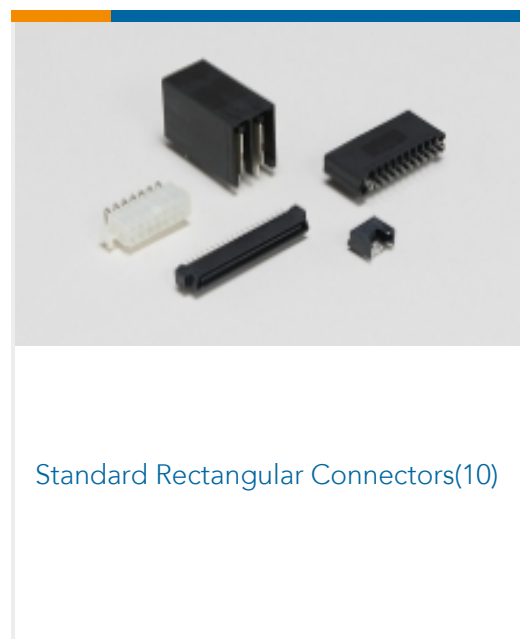
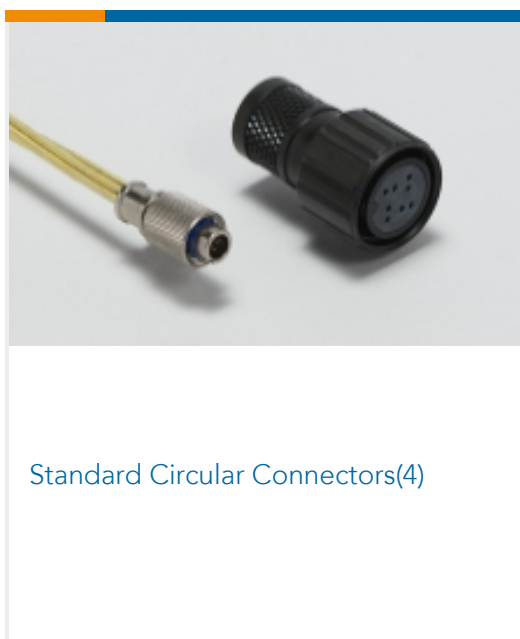
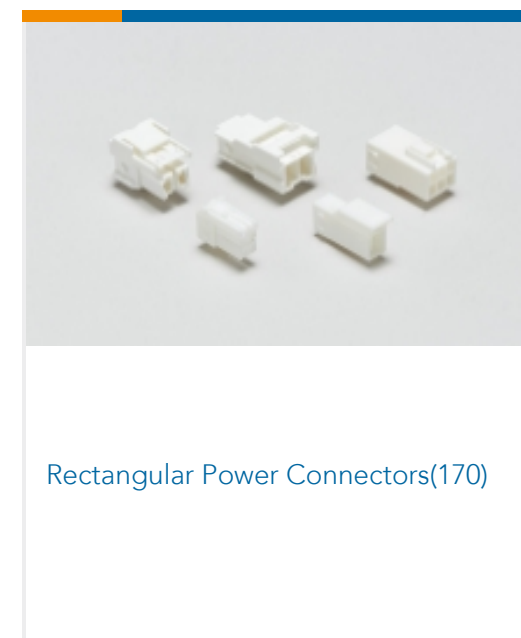
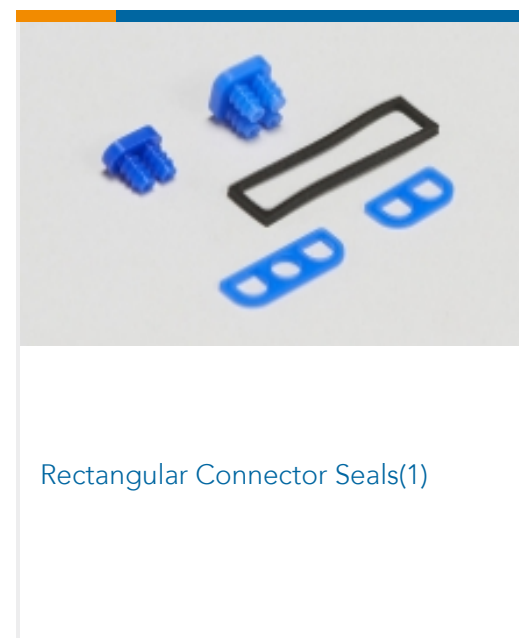
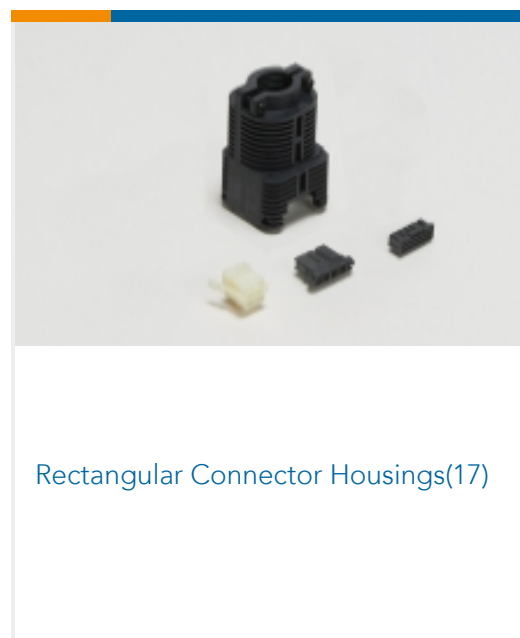
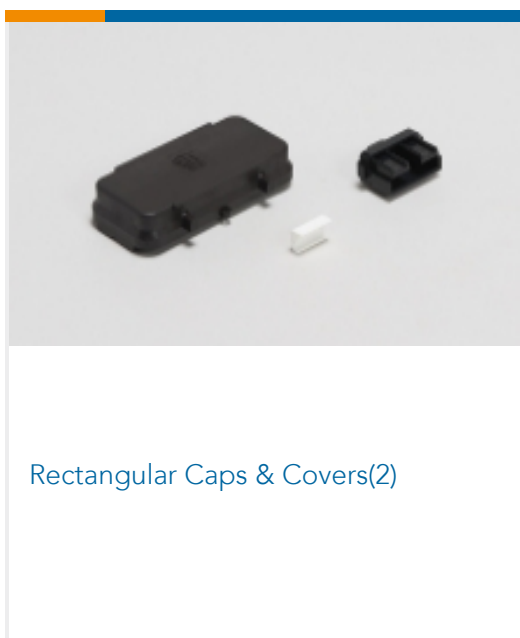
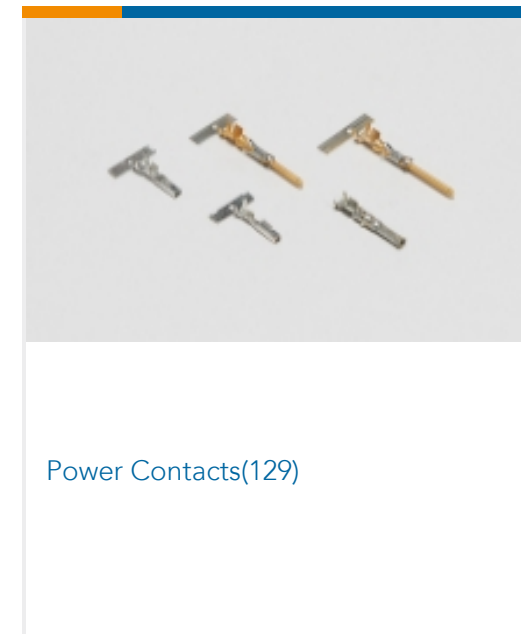
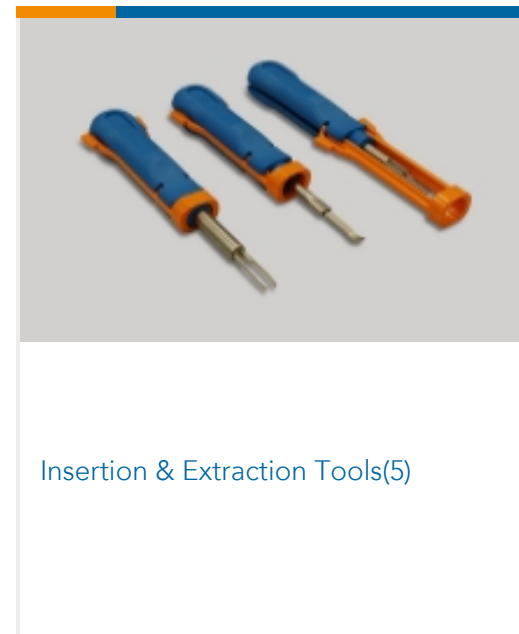
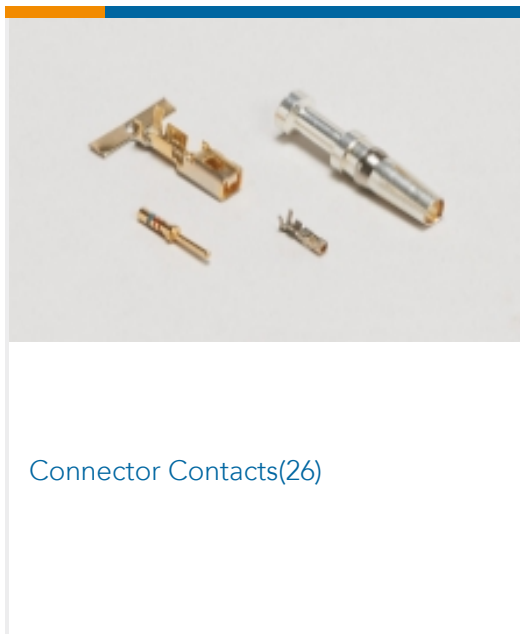
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-480274-0 09P CMNL PLUG HSG P/M NATL</p>	 <p>TE Part # 1-480284-0 08P CMNL CAP HSG M/M NATL</p>	 <p>TE Part # 1-480438-0 16P CMNL PLUG HSG M/M NATL</p>
 <p>TE Part # 1-480683-0 02P CMNL PLUG HSG F/H NATL</p>	 <p>TE Part # 1-480277-0 09P CMNL CAP HSG P/M NATL</p>	 <p>TE Part # 1-480304-0 03P CMNL PLUG HSG P/M NATL</p>	 <p>TE Part # 1-480722-0 04P CMNL PLUG HSG W/LCK NATL</p>
 <p>TE Part # 1-480276-0 06P CMNL CAP HSG P/M NATL</p>	 <p>TE Part # 1-480285-0 10P CMNL PLUG HSG M/M NATL</p>	 <p>TE Part # 1-480439-0 16P CMNL CAP HSG M/M NATL</p>	 <p>TE Part # 1-480393-1 02P CMNL PLUG HSG F/H BLK</p>



Also in the Series | Commercial MATE-N-LOK



Documents



Product Drawings

CMNL PCB PIN PTPHBZ

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_61518-1_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_61518-1_R.3d_stp.zip](#)

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Customer View Model

[ENG_CVM_61518-1_R.2d_dxf.zip](#)

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Datasheets & Catalog Pages

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English