



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

TE Internal #: 163558-4

Power Contacts, Contact, Tin, 22 – 18 AWG Wire Size, .3 – .75 mm<sup>2</sup>

Wire Size, Wire-to-Wire, Wire & Cable, Crimp, Power, Pin,

Commercial MATE-N-LOK

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Tin**

Wire Size: **.3 – .75 mm<sup>2</sup>**

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

**Features**

**Product Type Features**

|                                   |              |
|-----------------------------------|--------------|
| Power Contact Type                | Contact      |
| Connector System                  | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

**Contact Features**

|  |                 |
|--|-----------------|
| Contact Mating Area Plating Material           | Tin             |
| Contact Type                                   | Pin             |
| Contact Retention Within Housing               | With            |
| Mating Pin Diameter                            | 2.1 mm[.082 in] |
| Contact Base Material                          | Phosphor Bronze |
| Wire Contact Termination Area Plating Material | Tin-Lead        |
| Contact Orientation                            | Straight        |

**Termination Features**

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

**Mechanical Attachment**

|                                       |                            |
|---------------------------------------|----------------------------|
| Contact Retention Type Within Housing | Locking Lance              |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |
| Wire Insulation Support               | Without                    |

**Dimensions**

|           |                          |
|-----------|--------------------------|
| Wire Size | .3 – .75 mm <sup>2</sup> |
|-----------|--------------------------|



|  |                               |
|--|-------------------------------|
| Accepts Wire Insulation Diameter Range | 1.4 – 2.4 mm [.055 – .095 in] |
|--|-------------------------------|

**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**

|                 |                   |
|-----------------|-------------------|
| Wire/Cable Type | Discrete Wire     |
| Wire Type       | Stranded          |
| For Use With    | Pin (Cap) Housing |

**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)<br>Candidate List Declared Against: JUNE 2022 (224)<br>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 # 90574-1  
ASSY PRO-CRIMPER COMM M-N-LOCK



TE Part # 465644-1  
EXTRACTION TOOL



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  
08P CMNL CAP HSG M/M NATL



TE Part # 1-480438-0  
16P CMNL PLUG HSG M/M NATL



TE Part # 1-480683-0  
02P CMNL PLUG HSG F/H NATL



TE Part # 1-480277-0  
09P CMNL CAP HSG P/M NATL



TE Part # 1-480304-0  
03P CMNL PLUG HSG P/M NATL



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



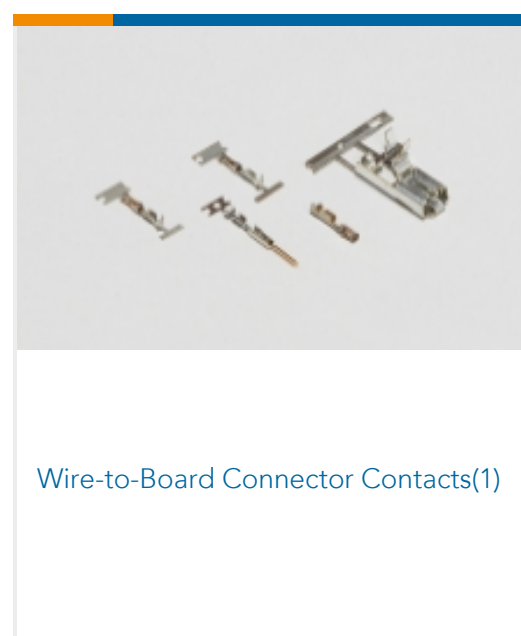
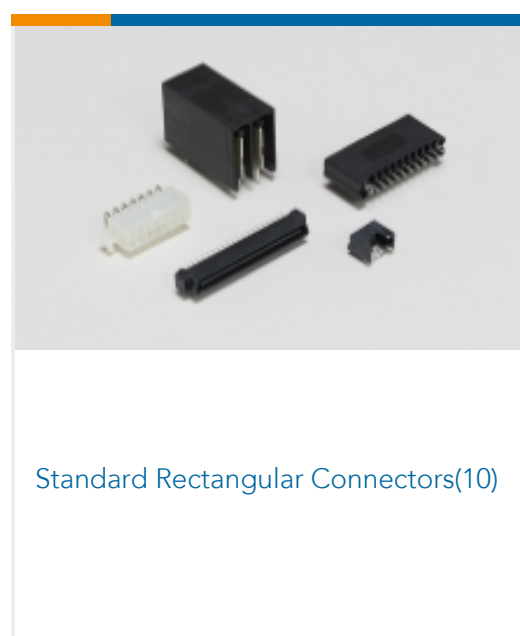
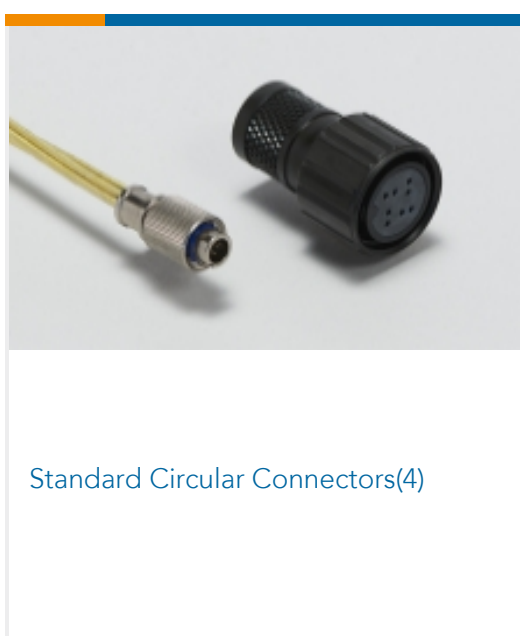
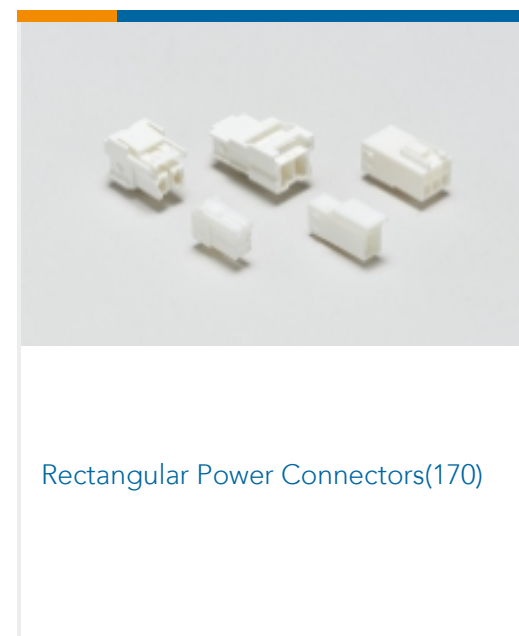
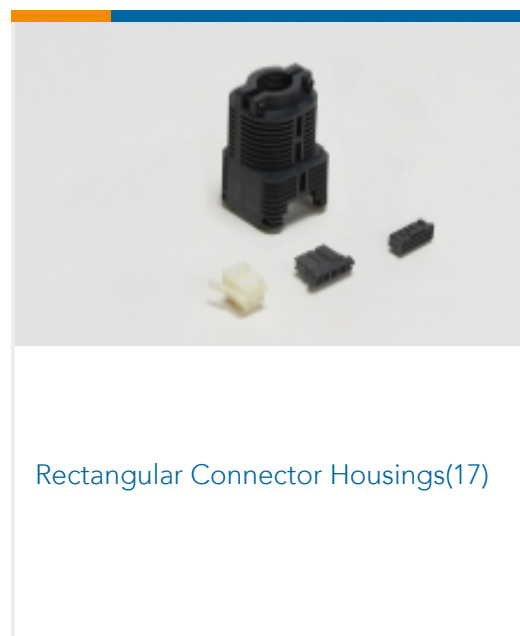
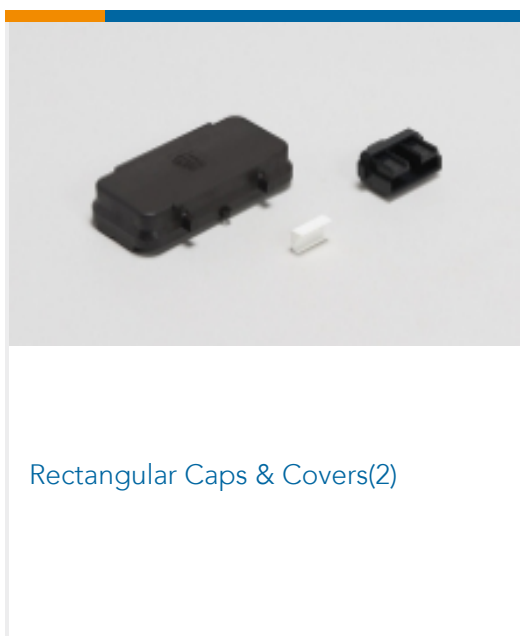
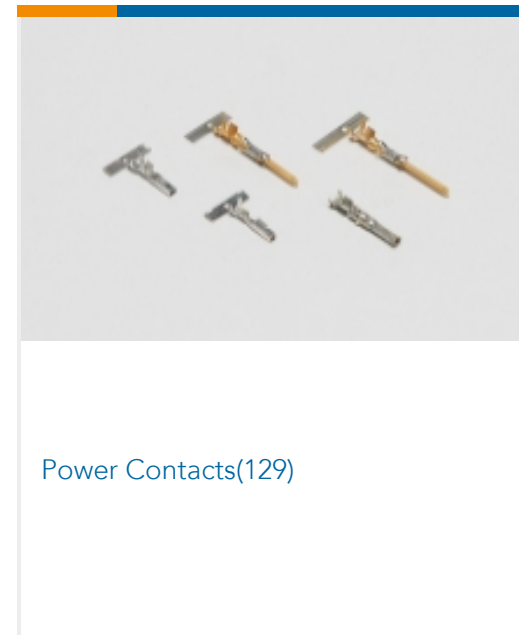
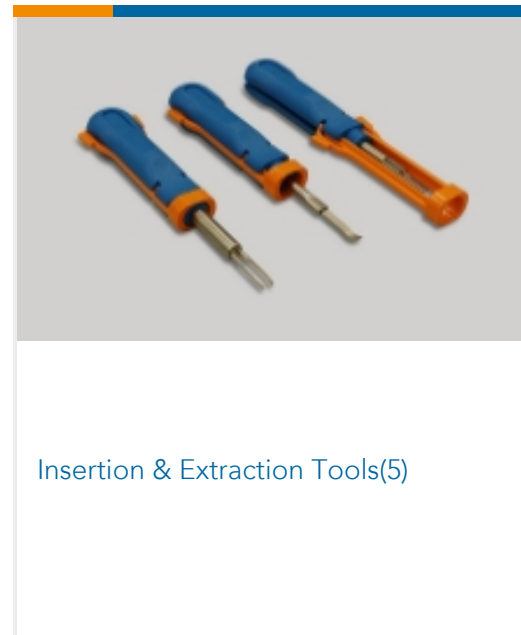
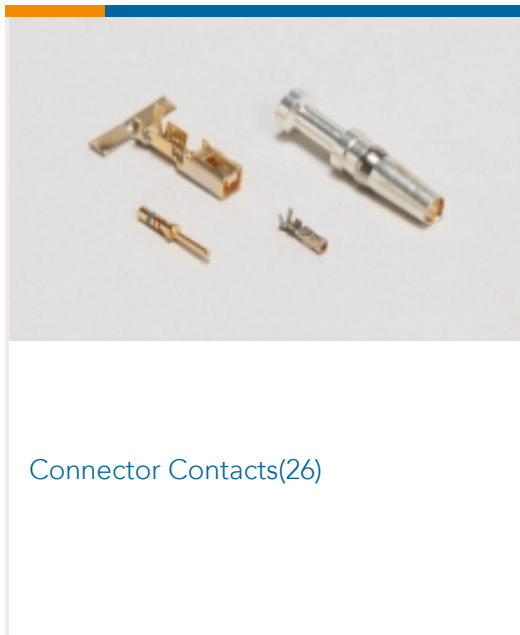
TE Part # 1-480345-0  
08P CMNL CAP HSG F/H NATL



TE Part # 1-480340-0  
06P CMNL CAP HSG F/H NATL



## Also in the Series | Commercial MATE-N-LOK



### Documents

#### Product Drawings

PIN M-N-L

English

#### CAD Files

Customer View Model

[ENG\\_CVM\\_163558-4\\_B.3d\\_igs.zip](#)

English



Customer View Model

[ENG\\_CVM\\_163558-4\\_B.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_163558-4\\_B.2d\\_dxf.zip](#)

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