

60618-5 ✓ ACTIVE

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

TE Internal #: 60618-5

Power Contacts, Contact, 250 VAC, Gold, 24 – 18 AWG Wire Size, .

2 – .82 mm<sup>2</sup> Wire Size, Wire & Cable, Crimp, Power, Pin,

Commercial MATE-N-LOK

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Connectors > Power Connectors > Power Contacts

Power Contact Type: **Contact**

Operating Voltage: **250 VAC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **.2 – .82 mm<sup>2</sup>**

## Features

### Product Type Features

|                                    |              |
|------------------------------------|--------------|
| Compatible With Discrete Wire Type | Stranded     |
| Power Contact Type                 | Contact      |
| Connector & Contact Terminates To  | Wire & Cable |

### Electrical Characteristics

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

### Contact Features

|   |                  |
|---|------------------|
| Contact Shape & Form                                  | Round            |
| Barrel Type   | Open             |
| Contact Mating Area Plating Material                  | Gold             |
| Contact Current Rating (Max)                          | 15 A             |
| Contact Type  | Pin              |
| Contact Retention Within Housing                      | With             |
| Mating Pin Diameter                                   | 2.13 mm[.084 in] |
| Contact Base Material                                 | Brass            |
| Contact Mating Area Plating Material Thickness        | .76 µm[30 µin]   |
| Wire Contact Termination Area Plating Thickness       | .76 µm[30 µin]   |
| Wire Contact Termination Area Plating Material        | Gold             |
| Wire Contact Termination Area Plating Material Finish | Bright           |
| Contact Orientation                                   | Straight         |
| Contact Underplating Material                         | Nickel           |
| Contact Underplating Material Thickness               | 1.27 µm[50 µin]  |



### Termination Features

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

### Mechanical Attachment

|                                       |               |
|---------------------------------------|---------------|
| Contact Retention Type Within Housing | Locking Lance |
| Wire Insulation Support               | Without       |

### Dimensions

|                                      |                          |
|--------------------------------------|--------------------------|
| Wire Size                            | .2 – .82 mm <sup>2</sup> |
| Compatible Insulation Diameter Range | 2.54 mm[.1 in]           |

### Usage Conditions

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

### Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method   | Bag  |

### 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)<br>Candidate List Declared Against: JUNE 2023 (235)<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 # 91512-1<br>CCII CMNL PIN SKT 24-18 ASSY  | TE Part # 90574-1<br>ASSY PRO-CRIMPER COMM M-N-LOCK | TE Part # 465644-1<br>EXTRACTION TOOL              | TE Part # 455830-1<br>INSERTION TOOL                 |
| TE Part # 1-171196-0<br>6 POS MATE-N-LOK S         | TE Part # 1-480274-0<br>09P CMNL PLUG HSG P/M NATL  | TE Part # 1-480284-0<br>08P CMNL CAP HSG M/M NATL  | TE Part # 1-480438-0<br>16P CMNL PLUG HSG M/M NATL   |
| TE Part # 1-480683-0<br>02P CMNL PLUG HSG F/H NATL | TE Part # 1-480277-0<br>09P CMNL CAP HSG P/M NATL   | TE Part # 1-480304-0<br>03P CMNL PLUG HSG P/M NATL | TE Part # 1-480722-0<br>04P CMNL PLUG HSG W/LCK NATL |
| TE Part # 1-480276-0<br>06P CMNL CAP HSG P/M NATL  | TE Part # 1-480285-0<br>10P CMNL PLUG HSG M/M NATL  | TE Part # 1-480439-0<br>16P CMNL CAP HSG M/M NATL  | TE Part # 1-480393-1<br>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

TE Part # 1-480278-0  
12P CMNL CAP HSG P/M NATL

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

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

Connector Contacts(20)

Connector Seals & Cavity Plugs(1)

Crimp Wire Pins, Tabs & Ferrules(2)

Insertion & Extraction Tools(5)

Power Contacts(129)

Rectangular Caps & Covers(2)

Rectangular Connector Housings(11)

Rectangular Power Connectors(169)

Standard Circular Connectors(2)

Standard Rectangular Connectors(7)

Wire-to-Board Connector Contacts(1)

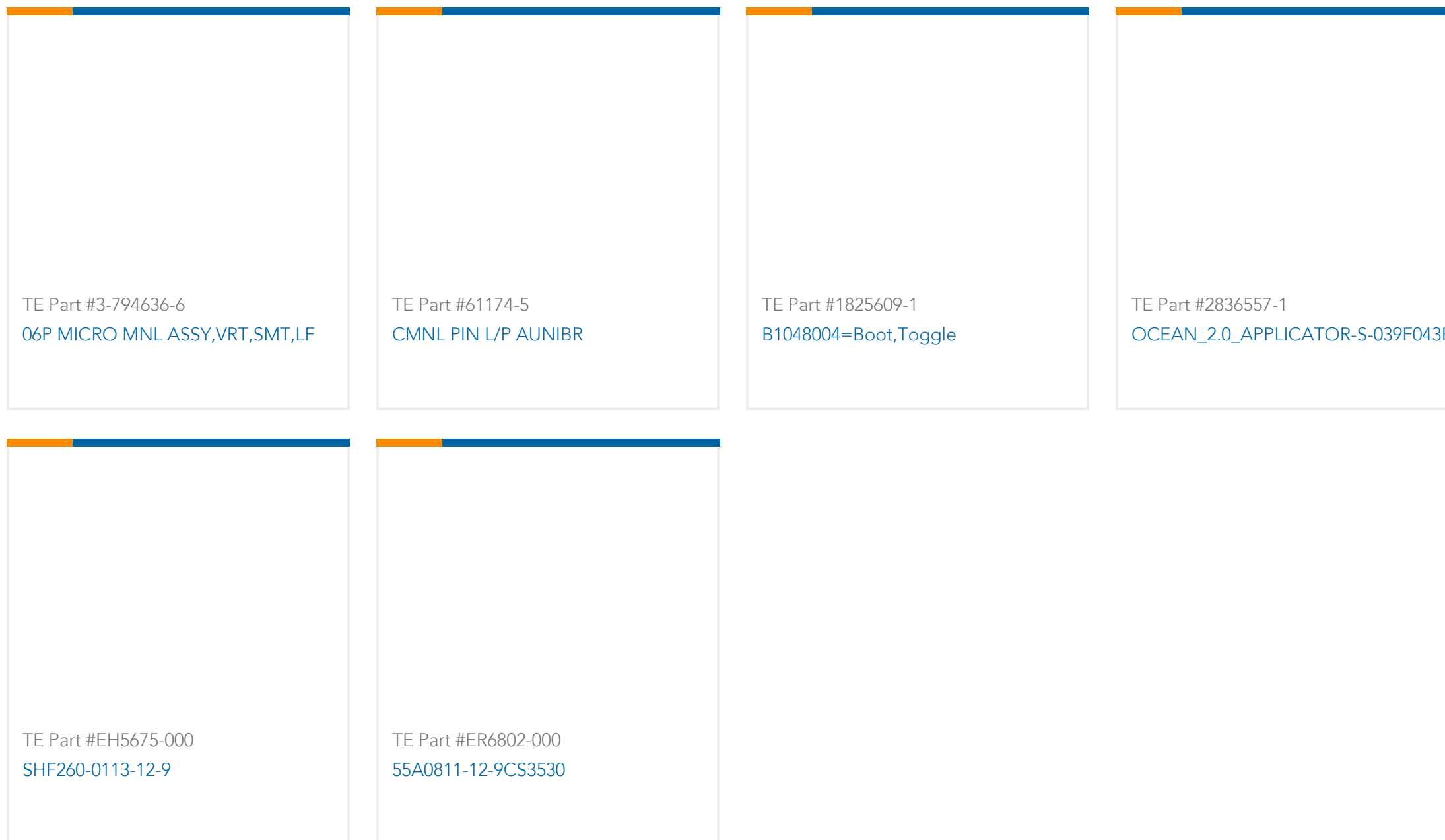
### Customers Also Bought

TE Part #5-1775443-2  
EMIX CONN., 1.5MM PITCH, HDR, V /T, 2P

TE Part #2292801-2  
AS16 BACKSHELL, 8P PLUG, NC20, MC

TE Part #61314-6  
CMNL SOK S/F 24-18 .0125AUPHBZ

TE Part #1-480319-0  
02P CMNL CAP HSG NATL



## Documents

### Product Drawings

[CMNL PIN AUBR L/P](#)

English

### CAD Files

[3D PDF](#)

English

**Customer View Model**

[ENG\\_CVM\\_60618-5\\_S.2d\\_dxf.zip](#)

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**Customer View Model**

[ENG\\_CVM\\_60618-5\\_S.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_60618-5\\_S.3d\\_stp.zip](#)

English

[3D PDF](#)

3D

**Customer View Model**

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**Customer View Model**

[ENG\\_CVM\\_CVM\\_60618-5\\_W.3d\\_stp.zip](#)

English



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### Datasheets & Catalog Pages

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

English

### Product Specifications

[Application Specification](#)

English

### Instruction Sheets

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

English