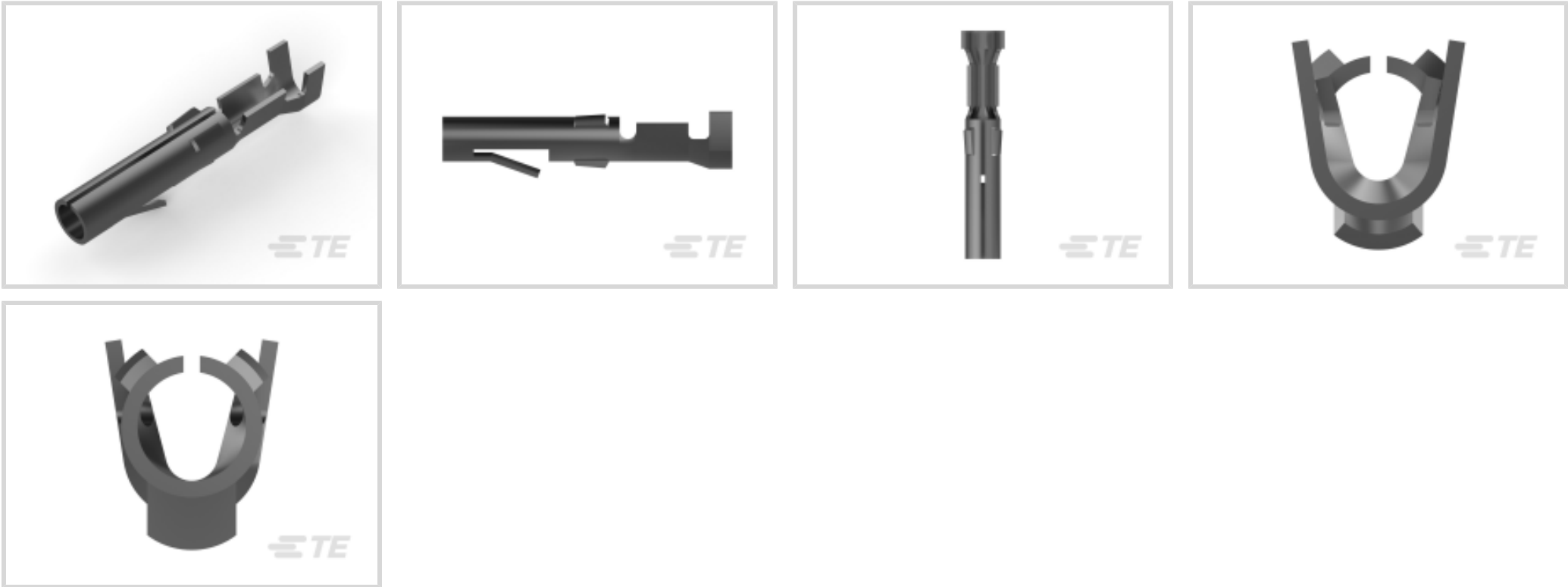




Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **250 VAC**

Contact Mating Area Plating Material: **Tin**

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

Features

Product Type Features

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

Electrical Characteristics

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

Contact Features

|                                                       |                  |
|-------------------------------------------------------|------------------|
| Contact Shape & Form                                  | Round            |
| Contact Mating Area Plating Material                  | Tin              |
| Contact Current Rating (Max)                          | 15 A             |
| Contact Type                                          | Socket           |
| Contact Retention Within Housing                      | With             |
| Mating Pin Diameter                                   | 2.13 mm[.084 in] |
| Contact Base Material                                 | Brass            |
| Wire Contact Termination Area Plating Material        | Tin              |
| Wire Contact Termination Area Plating Material Finish | Matte            |



|                     |             |
|---------------------|-------------|
| Contact Orientation | Straight    |
| Barrel Type         | Open Barrel |

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                              | .2 – .82 mm²   |
| Accepts Wire Insulation Diameter Range | 2.54 mm[.1 in] |

Usage Conditions

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

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    | Commercial MATE-N-LOK housings |

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

TE Part # 91512-1  
CCII CMNL PIN SKT 24-18 ASSY

TE Part # 90574-1  
ASSY PRO-CRIMPER COMM M-N-LOCK

TE Part # 465644-1  
EXTRACTION TOOL

TE Part # 455830-1  
INSERTION TOOL

TE Part # 1-171196-0  
6 POS MATE-N-LOK S

TE Part # 1-480274-0  
09P CMNL PLUG HSG P/M NATL

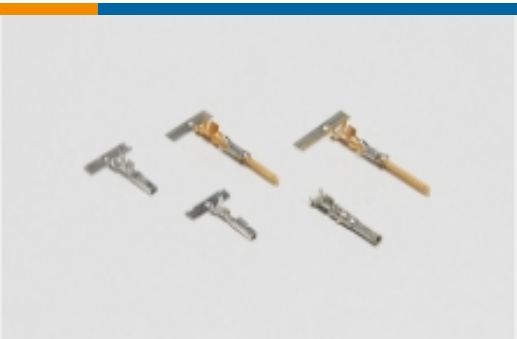
TE Part # 1-480284-0  
08P CMNL CAP HSG M/M NATL

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



|                                                                                                                                               |                                                                                                                                                |                                                                                                                                                 |                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-480683-0<br/>02P CMNL PLUG HSG F/H NATL</p>  |  <p>TE Part # 1-480277-0<br/>09P CMNL CAP HSG P/M NATL</p>   |  <p>TE Part # 1-480304-0<br/>03P CMNL PLUG HSG P/M NATL</p>  |  <p>TE Part # 1-480722-0<br/>04P CMNL PLUG HSG W/LCK NATL</p> |
|  <p>TE Part # 1-480276-0<br/>06P CMNL CAP HSG P/M NATL</p>  |  <p>TE Part # 1-480285-0<br/>10P CMNL PLUG HSG M/M NATL</p> |  <p>TE Part # 1-480439-0<br/>16P CMNL CAP HSG M/M NATL</p>  |  <p>TE Part # 1-480393-1<br/>02P CMNL PLUG HSG F/H BLK</p>   |
|  <p>TE Part # 1-480345-0<br/>08P CMNL CAP HSG F/H NATL</p> |  <p>TE Part # 1-480340-0<br/>06P CMNL CAP HSG F/H NATL</p> |  <p>TE Part # 1-480278-0<br/>12P CMNL CAP HSG P/M NATL</p> |  <p>TE Part # 1-480425-0<br/>04P CMNL PLUG HSG P/M NATL</p> |

Also in the Series | Commercial MATE-N-LOK

|                                                                                                                             |                                                                                                                                     |                                                                                                                                  |                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|  <p>Connector Contacts(26)</p>           |  <p>Crimp Wire Pins, Tabs &amp; Ferrules(3)</p> |  <p>Insertion &amp; Extraction Tools(5)</p> |  <p>Power Contacts(129)</p>               |
|  <p>Rectangular Caps &amp; Covers(2)</p> |  <p>Rectangular Connector Housings(17)</p>      |  <p>Rectangular Connector Seals(1)</p>      |  <p>Rectangular Power Connectors(170)</p> |



Standard Circular Connectors(4)



Standard Rectangular Connectors(10)



Wire-to-Board Connector Contacts(1)

Documents

Product Drawings

CMNL SOK SNBR L/P

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_60617-1\_V.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_60617-1\_V.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_60617-1\_V.3d\_stp.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_60617-1\_Z.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_60617-1\_Z.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_60617-1\_Z.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

MD\_60617-1\_032620181147\_dmtec

English

MD\_60617-1\_032620181147\_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English