



Terminals & Splices > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold**

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

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **With**

Features

Product Type Features

|                    |          |
|--------------------|----------|
| Discrete Wire Type | Stranded |
|--------------------|----------|

Electrical Characteristics

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

Contact Features

|                                                       |                  |
|-------------------------------------------------------|------------------|
| Mating Pin Diameter                                   | 2.13 mm[.084 in] |
| Contact Underplating Material Thickness               | 1.27 µm[50 µin]  |
| Wire Contact Termination Area Plating Thickness       | 1.27 µm[50 µin]  |
| Wire Contact Termination Area Plating Material Finish | Matte            |
| Contact Mating Area Plating Material Thickness        | .76 µm[30 µin]   |
| Contact Shape & Form                                  | Round            |
| Contact Orientation                                   | Straight         |
| Contact Underplating Material                         | Nickel           |
| Barrel Type                                           | Open             |
| Contact Type                                          | Pin              |



|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material           | Gold            |
| Wire Contact Termination Area Plating Material | Nickel          |
| Contact Retention Within Housing               | With            |
| Contact Base Material                          | Phosphor Bronze |
| Contact Current Rating (Max)                   | 15 A            |

Termination Features

|                                    |              |
|------------------------------------|--------------|
| Termination Method to Wire & Cable | Crimp        |
| Product Terminates To              | Wire & Cable |

Mechanical Attachment

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

Dimensions

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

Usage Conditions

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

Operation/Application

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

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 8000 |
| Packaging Method   | Reel |

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  
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

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

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 Caps & Covers(2)

Connector Contacts(150)

Connector Seals & Cavity Plugs(1)

Crimp Wire Pins, Tabs & Ferrules(2)

Insertion & Extraction Tools(3)

Rectangular Connector Housings(9)

Rectangular Power Connectors(167)

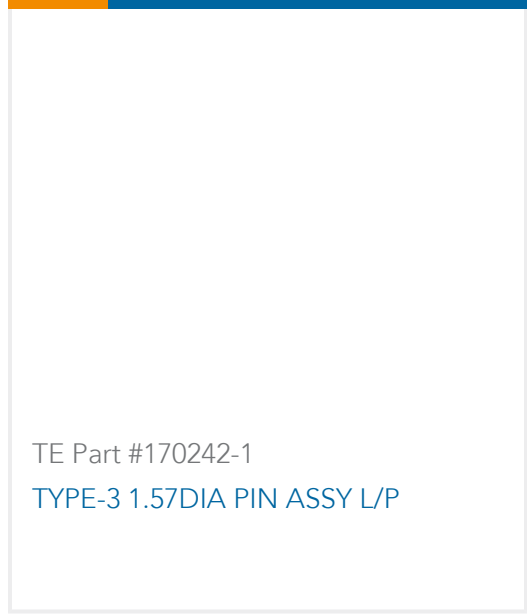
Standard Circular Connectors(2)

Standard Rectangular Connectors(7)

Customers Also Bought





|                                                                                                                                                  |                                                                                                                                                                       |                                                                                                                                                            |                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part #54010-1<br/>CPC STRAIN RELIEF, SIZE 11</p>         |  <p>TE Part #2-179555-3<br/>Receptacle and Tab Housing: 5.08 mm Pitch, 250-600V</p> |  <p>TE Part #796094-2<br/>One-Piece Connector, Sealed, CPC Series 1</p> |  <p>TE Part #1-1827863-7<br/>DYNAMIC 1100D REC HSG X 34P BLACK</p> |
|  <p>TE Part #1-175196-5<br/>DYNAMIC D-3 REC CONT/L PRE-TIN</p> |  <p>TE Part #61314-6<br/>CMNL SOK S/F 24-18 .0125AUPHBZ</p>                        |  <p>TE Part #1-480350-0<br/>01P CMNL CAP HSG F/H NATL</p>              |  <p>TE Part #170242-1<br/>TYPE-3 1.57DIA PIN ASSY L/P</p>         |

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_61116-6\_BL.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_61116-6\_BL.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_61116-6\_BL.3d\_stp.zip

English

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Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

61116-6

Pin Contact, Gold, 250 VAC, Locking Lance Contact Retention, 24 – 18 AWG Wire Size, .2 – .82 mm<sup>2</sup> Wire Size, Crimp, Commercial MATE-N-LOK

