



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold (Au)**

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

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **Without**

Features

Electrical Characteristics

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

Contact Features

|                                                       |                               |
|-------------------------------------------------------|-------------------------------|
| Contact Underplating Material                         | Nickel                        |
| Contact Orientation                                   | Straight                      |
| Mating Pin Diameter                                   | 9.06 mm[.357 in]              |
| Contact Underplating Material Thickness               | 1 µm[40 µin]                  |
| Contact Mating Area Plating Material Thickness        | .25 µm[10 µin]                |
| Wire Contact Termination Area Plating Material Finish | Bright                        |
| Wire Contact Termination Area Plating Thickness       | 5.08 – 7.62 µm[200 – 300 µin] |
| Contact Mating Area Plating Material Finish           | Bright                        |
| Contact Type                                          | Socket                        |
| Contact Mating Area Plating Material                  | Gold (Au)                     |
| Wire Contact Termination Area Plating Material        | Silver                        |
| Contact Retention Within Housing                      | Without                       |
| Contact Size                                          | Size 0                        |
| Contact Base Material                                 | Copper Alloy                  |
| Contact Current Rating (Max)                          | 200 A                         |

Termination Features



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

Mechanical Attachment

|                         |         |
|-------------------------|---------|
| Wire Insulation Support | Without |
|-------------------------|---------|

Dimensions

|           |            |
|-----------|------------|
| Wire Size | 106000 CMA |
|-----------|------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 100 |
| 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2023 (233)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| 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 # 1766811-1  
CONTACT,PIN,#0

Also in the Series | ELCON Drawer

Board-to-Board Headers & Receptacles(25)

Connector Contacts(34)

Connector Hardware(1)

PCB Headers & Receptacles(25)

Power Contacts(34)

Rectangular Connector Housings(1)

Rectangular Power Connectors(24)

Customers Also Bought

TE Part #3-641535-2  
02P MTA100 CONN ASSY LF

TE Part #608802-1  
CABLE TIE MOUNT, 4-WAY,3/4" SQ

TE Part #6648317-1  
CONTACT,SOCKET,SIZE #8

TE Part #8-32994-2  
TERMINAL,SOLIS R 12-10 8





TE Part #1648555-1  
[295-0052-01100\(SEE DBL DWR CAT\)](#)



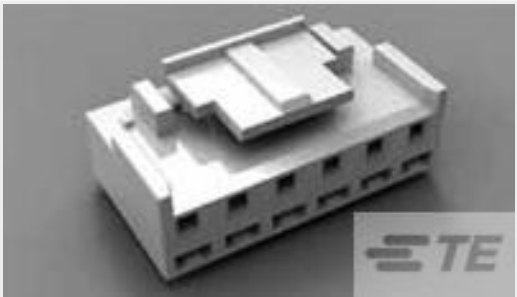
TE Part #206227-1  
[23-7 RECEPT REV SEX](#)



TE Part #1648325-1  
[702-92-01109=CONTACT,SKT,#20](#)



TE Part #1-499252-3  
[064 STRAIN RELIEF A-L RCPT](#)



TE Part #1-1123722-4  
[3.96 EP PLUG HSG 4P\(NATURAL\)](#)



TE Part #1766192-1  
[CONTACT,PIN,#8](#)

Documents

Product Drawings

[CONTACT,SKT,SIZE #0](#)

English

CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_6648418-1\\_C.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6648418-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6648418-1\\_C.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[POWER\\_CONNECTORS\\_CATALOG\\_SEC02\\_CABLE\\_MOUNTED](#)

English

[AMP & ELCON Power Connector Layout Forms Datasheet 6-1773444-7](#)

English

Product Specifications

[Application Specification](#)

English

6648418-1

Socket Contact, Gold (Au), 250 VAC, Size 0 Contact Size, 1/0 AWG, 106000 CMA, Crimp, Copper Alloy, Power, -40 – 105 °C [-40 – 221 °F], ELCON Drawer

