

6648383-1  ACTIVE

ELCON | ELCON Drawer

TE Internal #: 6648383-1

Socket Contact, Gold, Size 16 Contact Size, Brass Alloy, Power, -67

- 221 °F [-55 - 105 °C], ELCON Drawer

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold**

Contact Retention Within Housing: **Without**

Contact Size: **Size 16**

Contact Base Material: **Brass Alloy**

## Features

### Contact Features

PCB Contact Termination Area Plating Material Thickness	5.08 - 7.62 µm[200 - 300 µin]
Mating Pin Diameter	1.57 mm[.062 in]
Contact Underplating Material Thickness	1 µm[40 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Orientation	Straight
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Silver
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Contact Retention Within Housing	Without
Contact Size	Size 16
Contact Base Material	Brass Alloy
Contact Current Rating (Max)	15 A

### Termination Features

Termination Method to Printed Circuit Board

Through Hole - Solder

Product Terminates To

Printed Circuit Board

**Mechanical Attachment**

Wire Insulation Support

Without

**Usage Conditions**

Operating Temperature Range

-55 - 105 °C [-67 - 221 °F]

**Operation/Application**

Circuit Application

Power

**Packaging Features**

Packaging Quantity

250

Packaging Method

Bag

**Product Compliance**For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU

Compliant with Exemptions

EU ELV Directive 2000/53/EC

Compliant with Exemptions

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2024  
(240)Candidate List Declared Against: JAN 2024  
(240)

SVHC &gt; Threshold:

Pb (3.7% in Component Part)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I &lt; 900 ppm per homogenous material. Also BFR/CFR/PVC Free

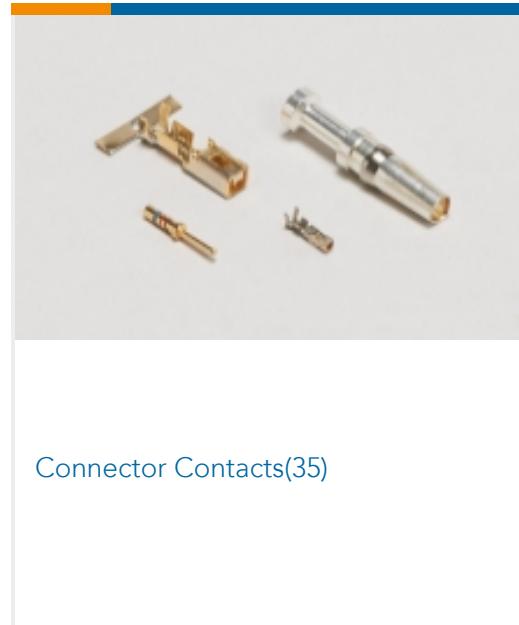
Solder Process Capability

Not applicable for solder process capability

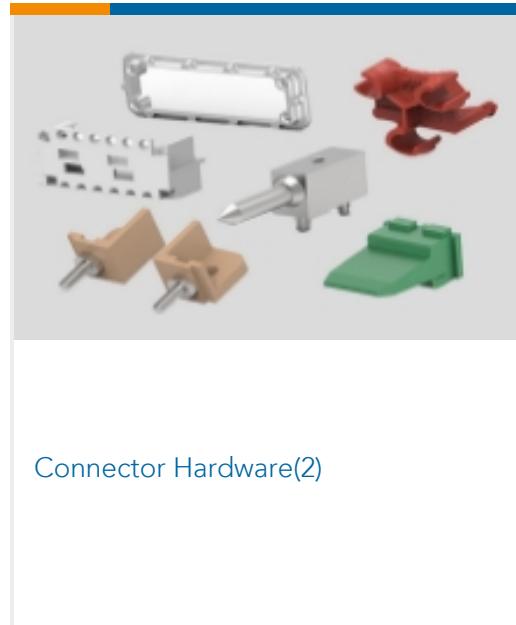
**Product Compliance Disclaimer**

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>

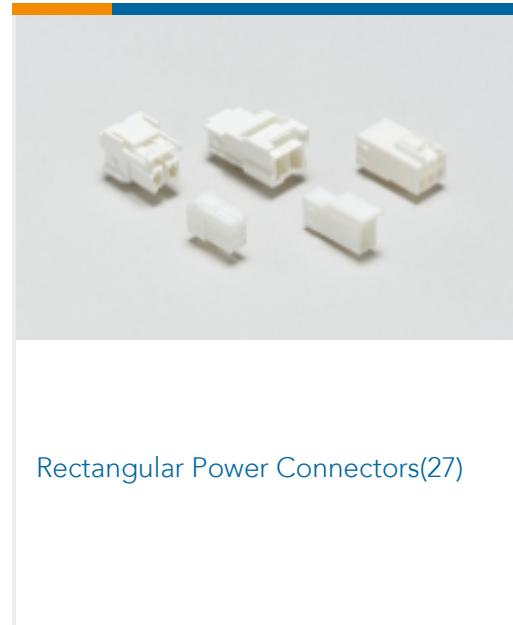
## Also in the Series | **ELCON Drawer**



Connector Contacts(35)



Connector Hardware(2)



Rectangular Power Connectors(27)

## Customers Also Bought

TE Part # 8-1625984-7  
HSA50 R01 5%TE Part # 5650461-5  
ASSY,RECEPTACLE,EUROCARD,TYPETE Part # 5-102203-5  
08 MODII HDR SRRA SHRD LFTE Part # 1650283-1  
707-06-02109=CONTACT,PIN,#20TE Part # 5-146276-2  
02 MODII HDR SRST B/A .100CLTE Part # 1648111-1  
221-0011-01100TE Part # 2176345-9  
CRGCQ 1210 47R 1%TE Part # 2-2176345-3  
CRGCQ 1210 680R 1%TE Part # 350742-1  
09P UMNL PIN HDR ASSY 94VOTE Part # 1648116-1  
222-0011-01100

## Documents

### Product Drawings

[CONTACT,SKT,SIZE #16](#)

English

### CAD Files

**Customer View Model**[ENG\\_CVM\\_CVM\\_6648383-1\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_6648383-1\\_B.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_6648383-1\\_B.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