

### ELCON | ELCON Drawer

TE Internal #: 6648418-1

Socket Contact, Gold, 250 VAC, Size 0 Contact Size, 1/0 AWG Wire Size, 106000 CMA Wire Size, Crimp, Copper Alloy, Power, ELCON

Drawer

View on TE.com >



#### Connectors > Contacts > Connector Contacts



Contact Type: Socket

Contact Mating Area Plating Material: Gold

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		
Mating Dia Diamenton	0.0/[ 257 :]	

Mating Pin Diameter	9.06 mm[.357 in]
Contact Underplating Material Thickness	1 μm[40 μin]
Wire Contact Termination Area Plating Thickness	5.08 – 7.62 μm[200 – 300 μin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.25 μm[10 μin]
Contact Mating Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Socket
Contact Mating Area Plating Material	Gold
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

## **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 2024 (241) Candidate List Declared Against: JAN 2023 (233) 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

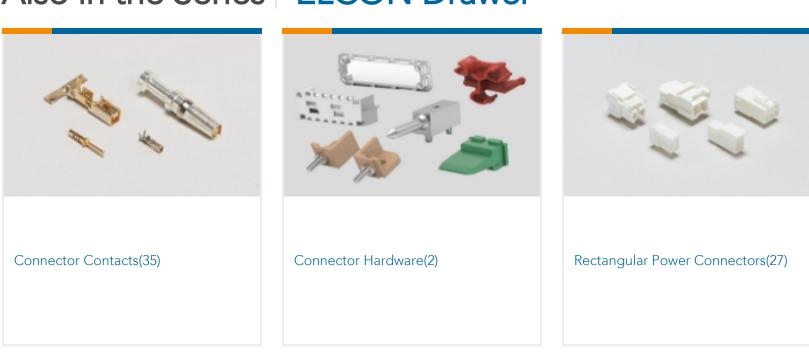


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

# Compatible Parts



## Also in the Series | ELCON Drawer



# Customers Also Bought



## **Documents**

TE Part #1766192-1 CONTACT,PIN,#8

## **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