

6648400-1 ✓ ACTIVE

ELCON | ELCON Drawer

TE Internal #: 6648400-1

Socket Contact, Gold, Size 8 Contact Size, Copper, Power, -55 – 105 °C [-67 – 221 °F], 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 8**

Contact Base Material: **Copper**

## Features

### Contact Features

PCB Contact Termination Area Plating Material Thickness	5.08 – 7.62 $\mu\text{m}$ [200 – 300 $\mu\text{in}$ ]
Mating Pin Diameter	3.6 mm[.142 in]
Contact Underplating Material Thickness	1 $\mu\text{m}$ [40 $\mu\text{in}$ ]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
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 8
Contact Base Material	Copper
Contact Current Rating (Max)	75 A

### Termination Features



Termination Method to PCB	Through Hole - Solder
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Product Terminates To	Printed Circuit Board
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### Mechanical Attachment

Wire Insulation Support	Without
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Packaging Features

Packaging Quantity	250
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Packaging Method	Bag
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241)
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Candidate List Declared Against: JUNE 2023 (235)

SVHC > 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 < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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#### 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 # 1766262-1  
CONTACT,PIN,#8,PC


## Also in the Series | ELCON Drawer



Connector Contacts(35)



Connector Hardware(2)



Rectangular Power Connectors(27)

## Customers Also Bought



TE Part #6648434-1  
CONTACT,SKT,SIZE 1/4 (712-81-01107)



TE Part #1766193-1  
CONTACT,PIN,SIZE #12



TE Part #6648318-1  
CONTACT,SKT,#12



TE Part #1648151-1  
241-27-01100



TE Part #1648548-1  
295-0040-01100



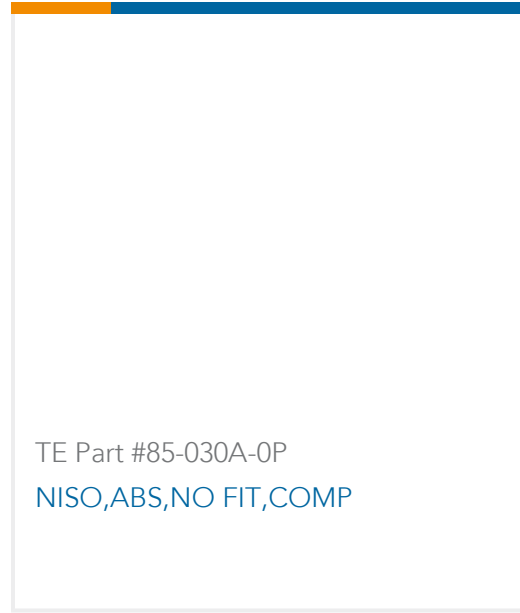
TE Part #1648157-1  
242-28-01100



TE Part #5172334004  
HCTE-0281-0-SP



TE Part #1648382-1  
708-68-01109=CONTACT,SKT,#20



## Documents

### Product Drawings

[CONTACT,SKT](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6648400-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6648400-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6648400-1\\_A.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