

Connectors &gt; Contacts &gt; Connector Contacts

Contact Type: **Socket**Contact Mating Area Plating Material: **Gold**Contact Retention Within Housing: **Without**Contact Size: **Size 12**Contact Base Material: **Copper Alloy**

## Features

### Contact Features

PCB Contact Termination Area Plating Material Thickness	5.08 - 7.62 µm[200 - 300 µin]
Mating Pin Diameter	2.28 mm[.09 in]
Contact Underplating Material Thickness	1 µm[40 µin]
Wire Contact Termination Area Plating Material Finish	Bright
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 12
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	35 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

500

Packaging Method

Bag

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://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: 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 &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>

## Compatible Parts



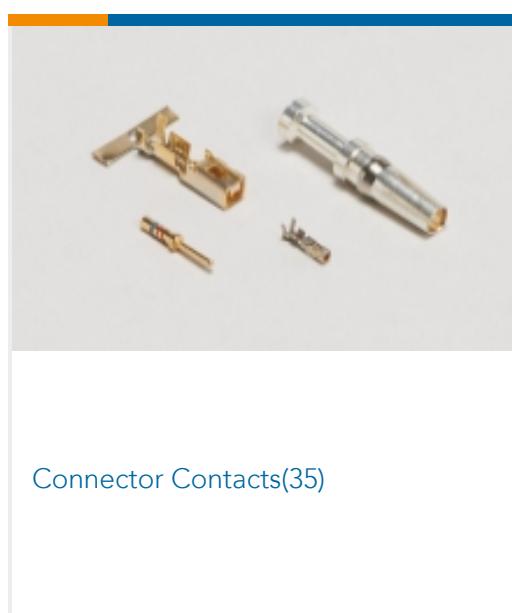
TE Part # 1766245-1  
CONTACT,PIN,#12



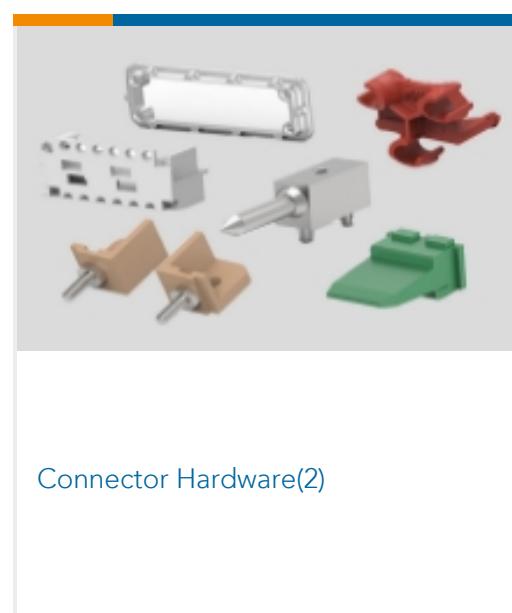
TE Part # 1-1766245-1  
CONTACT,PIN,#12

## Also in the Series

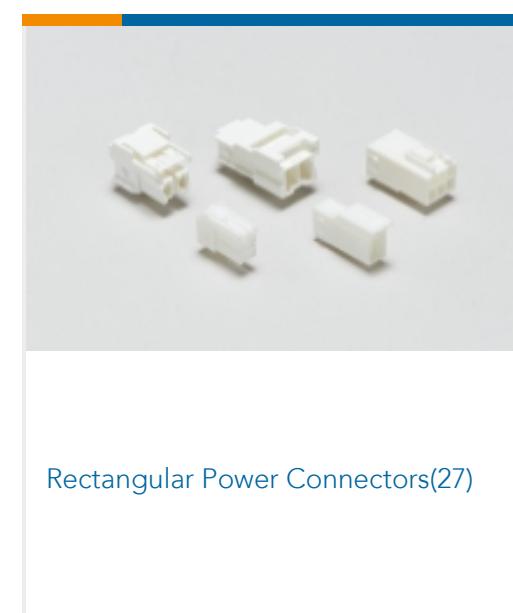
### ELCON Drawer



Connector Contacts(35)



Connector Hardware(2)



Rectangular Power Connectors(27)

## Customers Also Bought



TE Part # DRC16-40S-P013  
PLG, 40P, BLK, N, SEAL BOND



TE Part # 5747299-8  
15 RCPT SP/FMS INSRT



TE Part # 1648110-1  
221-0010-01100=SA CONN,PIN



TE Part # 1648115-1  
222-0010-01100=SA CONN,SKT



TE Part # 34487  
TERMINAL,SOLIS R 14-12 1/4



TE Part # 1766245-1  
CONTACT,PIN,#12



TE Part # 1650162-2  
701-65-02109=CONTACT,PIN,#20



TE Part # 1766262-1  
CONTACT,PIN,#8,PC



## Documents

### Product Drawings

#### CONTACT,SKT,SIZE #12

English

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6648374-1\\_A.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6648374-1\\_A.3d\\_jgs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6648374-1\\_A.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

#### POWER\_CONNECTORS\_CATALOG\_SEC02\_CABLE\_MOUNTED

English

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

English

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### Product Specifications

#### Application Specification

English