

ELCON | ELCON Drawer

TE Internal #: 1648387-1

Socket Contact, Gold, Size 12 Contact Size, 14 – 12 AWG Wire Size, Copper Alloy, 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

Wire Contact Termination Area Plating Material: Gold

Contact Retention Within Housing: Without

Contact Size: Size 12

Features

Contact Features

PCB Contact Termination Area Plating Material Thickness	.25 μm[10 μin]
Mating Pin Diameter	2.38 mm[.094 in]
Contact Underplating Material Thickness	1 μm[40 μin]
Wire Contact Termination Area Plating Thickness	.25 μm[10 μin]
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Orientation	Straight
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Wire Contact Termination 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 PCB	Through Hole - Solder
Product Terminates To	Printed Circuit Board
Mechanical Attachment	
Wire Insulation Support	Without
Dimensions	
Wire Size	14 – 12 AWG
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Power
Packaging Features	
Packaging Quantity	500

Bag

Product Compliance

Packaging Method

For compliance documentation, visit the product page on 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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
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

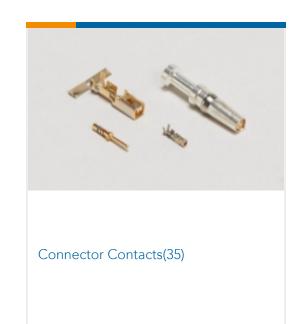


chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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

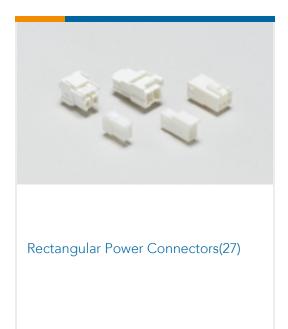
Compatible Parts



Also in the Series | ELCON Drawer







Customers Also Bought









Documents

Product Drawings
708-77-01109=SA CONTACT,SKT

English

CAD Files

3D PDF



3D

Customer View Model

ENG_CVM_CVM_1648387-1_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1648387-1_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1648387-1_M.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