

1648387-1 ✓ ACTIVE

ELCON | ELCON Drawer

TE Internal #: 1648387-1

Power Contacts, Contact, Gold, 14 – 12 AWG Wire Size, Printed Circuit Board, Power, Socket, -55 – 105 °C [-67 – 221 °F], Copper Alloy, ELCON Drawer

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Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Gold**

Wire Size: **14 – 12 AWG**

Connector & Contact Terminates To: **Printed Circuit Board**

Contact Current Rating (Max): **35 A**

Features

Product Type Features

Power Contact Type	Contact
Connector & Contact Terminates To	Printed Circuit Board

Contact Features

Contact Size	Size 12
PCB Contact Termination Area Plating Material Thickness	.25 µm[10 µin]
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	35 A
Contact Type	Socket
Contact Retention Within Housing	Without
Mating Pin Diameter	2.38 mm[.094 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Thickness	.25 µm[10 µin]



Wire Contact Termination Area Plating Material	Gold
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Contact Orientation	Straight
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Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	1 µm[40 µin]
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Wire Size	14 – 12 AWG
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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	500
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Packaging Method	Bag
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Other

Power Connectors Comment	PCB Termination Type - Standard
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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
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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 2023 (235)
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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
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Free

Solder Process Capability

Not applicable for solder process capability

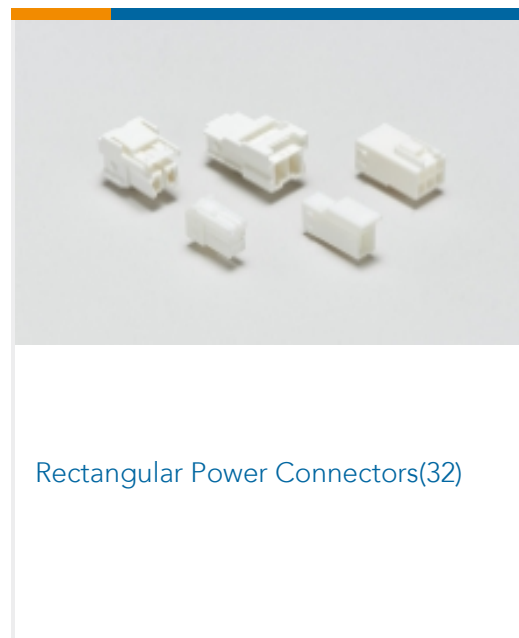
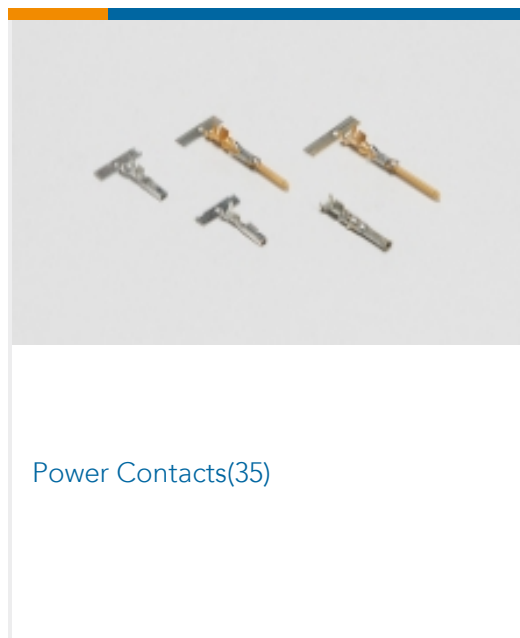
Product Compliance Disclaimer

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