



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**  
Contact Mating Area Plating Material: **Gold (Au)**  
Contact Retention Within Housing: **Without**  
Contact Size: **Size 8**  
Contact Base Material: **Copper**

Features

Contact Features

Contact Underplating Material	Nickel
Contact Orientation	Straight
Mating Pin Diameter	3.6 mm[.142 in]
Contact Underplating Material Thickness	1 µm[40 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material Thickness	5.08 – 7.62 µm[200 – 300 µin]
PCB Contact Termination Area Plating Material	Silver
Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
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
Product Terminates To	Printed Circuit Board

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
Packaging Method	Bag

Product Compliance

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3.7% in 74019106) <b>Article Safe Usage Statements:</b> 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

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

Also in the Series | ELCON Drawer

Board-to-Board Headers & Receptacles(25)

Connector Contacts(34)

Connector Hardware(1)

Power Contacts(34)

Rectangular Connector Housings(1)

Rectangular Power Connectors(24)

Standard Rectangular Connectors(2)

Customers Also Bought

TE Part #224515-E  
MSPEED 50 F SMDTHR F8 \* AB VV  
137 094 \*

TE Part #3-215297-2  
32P HV100 REC CON. TE, 7.0MM

TE Part #HD30-18BT-BK  
BOOT, 18SZ, ST, BLK

TE Part #1648157-1  
242-28-01100





TE Part #294150-E  
DRCQ 0,80 40 M 2 SMD M2 137 E009  
176 GU-



TE Part #1650283-1  
707-06-02109=CONTACT,PIN,#20



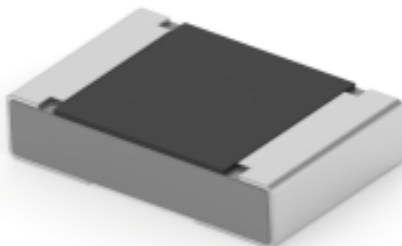
TE Part #6648405-1  
CONTACT,SKT,SIZE #0



TE Part #5-2176307-3  
RP 1E 0.1W 43K2 0.1% 25PPM 5K RL



TE Part #294650-E  
SRCP 2,54 8 M 1 SMD 137 E1 166 \* GU-  
H \*



TE Part #6-2176484-9  
RA73F 2A 30K1 0.1% 5K RL

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

6648400-1

Socket Contact, Gold (Au), Size 8 Contact Size, Copper, Power, -55 – 105 °C [-67 – 221 °F], ELCON Drawer

