



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold (Au)**

Wire Contact Termination Area Plating Material: **Silver**

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **Without**

Features

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
Wire Contact Termination Area Plating Material	Silver
Contact Retention Within Housing	Without
Contact Size	Size 0
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	200 A
Mating Pin Diameter	9.06 mm[.357 in]
Contact Mating Area Plating Material Thickness	.25 µm[10 µin]
Contact Mating Area Plating Material Finish	Bright
Wire Contact Termination Area Plating Thickness	5.08 – 7.62 µm[200 – 300 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1 µm[40 µin]

Termination Features



Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Wire Size	106000 CMA
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Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Quantity	100
Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1766811-1
CONTACT,PIN,#0

Also in the Series | ELCON Drawer

Board-to-Board Headers & Receptacles(17)

Connector Contacts(34)

Connector Hardware(1)

Power Contacts(34)

Rectangular Connector Housings(1)

Rectangular Power Connectors(16)

Standard Rectangular Connectors(2)

Customers Also Bought

TE Part #8-32994-2
TERMINAL,SOLIS R 12-10 8

TE Part #206227-1
23-7 RECEPT REV SEX

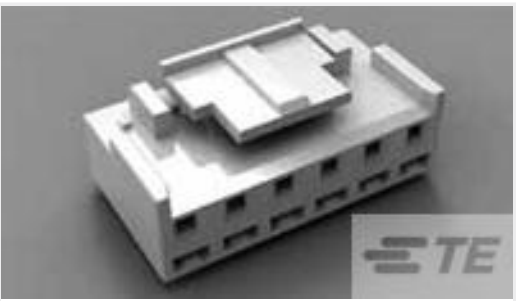
TE Part #1-499252-3
064 STRAIN RELIEF A-L RCPT

TE Part #608802-1
CABLE TIE MOUNT, 4-WAY,3/4" SQ





TE Part #3-641535-2
[02P MTA100 CONN ASSY LF](#)



TE Part #1-1123722-4
[3.96 EP PLUG HSG 4P\(NATURAL\)](#)



TE Part #1648325-1
[702-92-01109=CONTACT,SKT,#20](#)



TE Part #1648555-1
[295-0052-01100\(SEE DBL DWR CAT\)](#)



TE Part #1766192-1
[CONTACT,PIN,#8](#)



TE Part #6648317-1
[CONTACT,SOCKET,SIZE #8](#)

Documents

Product Drawings

[CONTACT,SKT,SIZE #0](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_6648418-1_C.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6648418-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6648418-1_C.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

6648418-1

Socket Contact, Gold (Au), 250 VAC, Size 0 Contact Size, 1/0 AWG, 106000 CMA, Crimp, Copper Alloy, Power, -40 – 105 °C [-40 – 221 °F], ELCON Drawer

