



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**
Contact Mating Area Plating Material: **Gold Flash**
Operating Voltage: **250 VDC**
Contact Retention Within Housing: **With**

Features

Product Type Features

Sealable	No
----------	----

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

Contact Features

Contact Underplating Material	Nickel
Contact Orientation	Straight
Mating Pin Diameter	9.06 mm[.357 in]
Contact Underplating Material Thickness	1.06 µm[40 µin]
Contact Mating Area Plating Material Thickness	.254 µm[10 µin]
Contact Type	Socket
Contact Mating Area Plating Material	Gold Flash
Contact Retention Within Housing	With
Contact Size	Size 0
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	200 A



Termination Features

Product Terminates To	Busbar
-----------------------	--------

Mechanical Attachment

Wire Insulation Support	Without
-------------------------	---------

Usage Conditions

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

Operation/Application

Circuit Application	Power
---------------------	-------

Packaging Features

Packaging Method	Package
Packaging Quantity	100

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 2025 (247) Does not contain REACH SVHC
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>

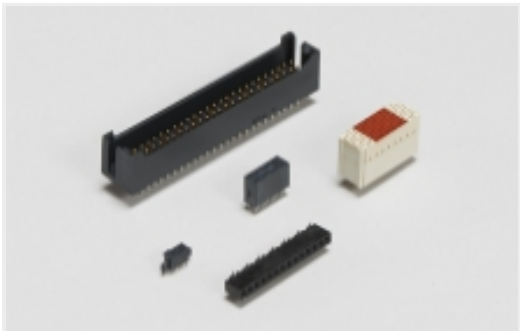


Compatible Parts



TE Part # 1766811-1
CONTACT,PIN,#0

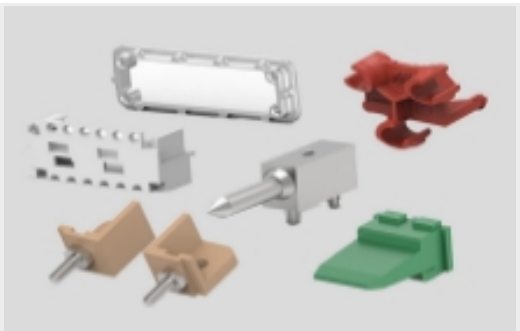
Also in the Series | ELCON Drawer



Board-to-Board Headers & Receptacles(25)



Connector Contacts(34)



Connector Hardware(1)



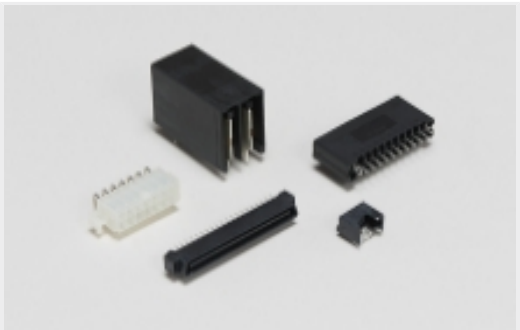
Power Contacts(34)



Rectangular Connector Housings(1)



Rectangular Power Connectors(24)



Standard Rectangular Connectors(2)

Customers Also Bought



TE Part #170361-1
UNIV M-N-L SOC. 26-22 AWG



TE Part #4-1879011-3
SMF2 12K 5%



TE Part #52291-1
TERMINAL R PG 8 3/8



TE Part #5227222-1
VERT JK W/MTG PINS, BNC PCB





TE Part #34161
[TERMINAL,PG R 16-14 10](#)



TE Part #6651494-1
[CONN,SKT HOUSING](#)



TE Part #1650402-1
[902-83-02113=SCREW,SHLDR,8-32](#)



TE Part #6651493-1
[CONN,PIN,IN-LINE QUADPOWER](#)



TE Part #1SNA115124R0700
[M35/16](#)



TE Part #4-1393104-5
[KRPA-11DG-24=KRPA](#)

Documents

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

English

CAD Files
[3D PDF](#)

3D

Customer View Model
[ENG_CVM_CVM_6648416-1_A.2d_dxf.zip](#)

English

Customer View Model
[ENG_CVM_CVM_6648416-1_A.3d_igs.zip](#)

English

Customer View Model
[ENG_CVM_CVM_6648416-1_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

6648416-1

Socket Contact, Gold Flash, 250 VAC, 250 VDC, Size 0 Contact Size, Copper Alloy,
Power, -40 – 105 °C [-40 – 221 °F], ELCON Drawer

