



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**
Contact Mating Area Plating Material: **Gold (Au)**
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]
PCB Contact Termination Area Plating Material	Gold
Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
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
Mating Pin Diameter	2.38 mm[.094 in]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Thickness	.25 µm[10 µin]
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1 µm[40 µin]



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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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
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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (3.7% in 74019106) 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 < 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>

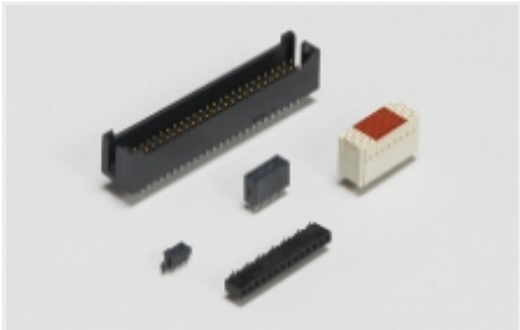
Compatible Parts



TE Part # 1648360-1

708-0134-01109=SA CONTACT,SKT

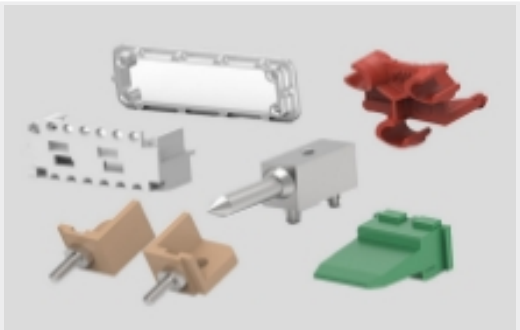
Also in the Series | ELCON Drawer



Board-to-Board Headers & Receptacles(10)



Connector Contacts(34)



Connector Hardware(1)



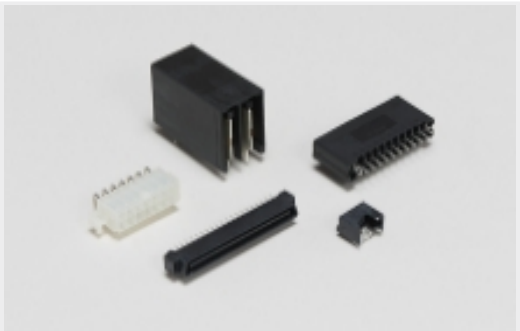
Power Contacts(34)



Rectangular Connector Housings(1)



Rectangular Power Connectors(9)



Standard Rectangular Connectors(2)

Customers Also Bought





TE Part #DT06-08SA
PLG, 8P, GRY, N, A



TE Part #W12S
WEDGE LOCK, 12P, PLG, ORG, STD, DT



TE Part #16-04477
GASKET, 24SZ, BLK, HD30



TE Part #1648110-1
221-0010-01100=SA CONN,PIN



TE Part #1648360-1
708-0134-01109=SA CONTACT,SKT



TE Part #1648382-1
708-68-01109=CONTACT,SKT,#20



TE Part #1650155-1
701-14-02109=CONTACT,PIN,#20



TE Part #1766245-1
CONTACT,PIN,#12



TE Part #4-2176331-1
CRGP 2512 22K 1%



TE Part #1648128-1
235-0153-01100=SKT,MARKED

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