TE Internal #: 1648360-1

Socket Contact, 12 AWG Wire Size, Power, -40 – 105 °C [-40 – 221 °

F1

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#### Connectors > Contacts > Connector Contacts



Contact Type: Socket

Wire Contact Termination Area Plating Material: Gold

Contact Retention Within Housing: With

=TE

Wire Size: 12 AWG

Product Terminates To: Printed Circuit Board

## **Features**

### **Contact Features**

PCB Contact Termination Area Plating Material Thickness	.25 μm[10 μin]
Contact Underplating Material Thickness	1 μm[40 μin]
Wire Contact Termination Area Plating Thickness	.58 μm[20 μin]
Contact Mating Area Plating Material Thickness	.58 μm[20 μin]
Contact Orientation	Straight
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold
Contact Type	Socket
Wire Contact Termination Area Plating Material	Gold
Contact Retention Within Housing	With
Contact Current Rating (Max)	250 A

#### **Termination Features**

Termination Method to PCB	Through Hole - Solder
Product Terminates To	Printed Circuit Board

## Mechanical Attachment



Wire Insulation Support	Without
Dimensions	
Wire Size	12 AWG
Usage Conditions	
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Operation/Application	
Circuit Application	Power
Packaging Features	
Packaging Method	Package

## **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 2024 (241)  Candidate List Declared Against: JUNE 2024 (241)  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 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

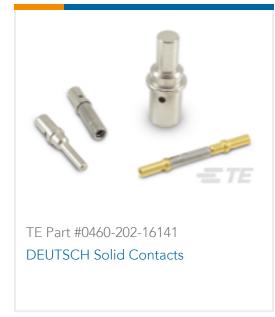


## Customers Also Bought















## **Documents**

**Product Drawings** 

708-0134-01109=SA CONTACT,SKT

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1648360-1\_D.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1648360-1\_D.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1648360-1\_D.3d\_stp.zip



## English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

**Product Specifications** 

**Application Specification** 

English