# 1-1600960-7 ACTIVE

#### **MULTI-BEAM**

TE Internal #: 1-1600960-7

Receptacle Contact, Gold (Au), 300 VAC / 60 VAC, 300 VDC / 60 VDC, 10 – 8 AWG, 5 – 8 mm<sup>2</sup> Wire, 10382 – 16507 CMA, Crimp,

Copper Alloy, Power

View on TE.com >



#### Connectors > Contacts > Connector Contacts











Contact Type: Receptacle

Contact Mating Area Plating Material: Gold (Au)
Wire Contact Termination Area Plating Material: Tin

Operating Voltage: 60 VDC, 300 VDC

### **Features**

## **Product Type Features**

Sealable	No
Electrical Characteristics	
Operating Voltage	60 VDC, 300 VDC
Contact Features	
Contact Underplating Material	Nickel
Contact Orientation	Straight
Contact Underplating Material Thickness	50 – 100 μm[50 – 100 μin]
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Wire Contact Termination Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Thickness	1.27 – 2.54 μm[50 – 100 μin]
Barrel Type	Open
Contact Type	Receptacle
Contact Mating Area Plating Material	Gold (Au)
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	Without



Contact Base Material	Copper Alloy
Contact Current Rating (Max)	42 A
Termination Features	
Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable
Mechanical Attachment	
Wire Insulation Support	With
Dimensions	
Compatible Insulation Diameter Range	4.4 – 6.9 mm[.176 – .272 in]
Wire Size	10382 – 16507 CMA
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Power
Packaging Features	
Packaging Quantity	1000

# **Product Compliance**

Packaging Method

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

Reel

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**



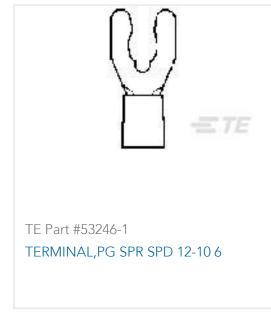




















### **Documents**

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-1600960-7\_D1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1600960-7\_D1.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1600960-7\_D1.3d\_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\_SEC01\_BOARD\_TO\_BOARD

English

### **Product Specifications**

**Application Specification** 

English