#### **AMP**

TE Internal #: 66741-6

Power Contacts, Contact, Gold, 10AWG Wire Size, 5 – 6mm² Wire Size, Wire-to-Wire, Wire & Cable, Crimp, 35A Contact Current

Rating (Max), Power, Socket

View on TE.com >



Connectors > Power Connectors > Power Contacts



Power Contact Type: Contact

Contact Mating Area Plating Material: Gold

Wire Size: 5 – 6 mm<sup>2</sup>

Connector System: Wire-to-Wire

# **Features**

# **Product Type Features**

Power Contact Type

Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable
Electrical Characteristics	
Test Current	35 A
Contact Features	
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	35 A
Contact Type	Socket
Mating Tab Width	5.84 mm[.23 in]
Mating Tab Thickness	2.67 mm[.105 in]
Contact Base Material	Copper
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Wire Contact Termination Area Plating Material Thickness	.25 μm[10 μin]
Wire Contact Termination Area Plating Material	Gold
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Right Angle

Contact

Copper

Contact Underplating Material



Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
Wire Insulation Support	With
Dimensions	
Wire Size	5 – 6 mm²
Accepts Wire Insulation Diameter Range	4.83 – 5.59 mm[.19 – .22 in]
Usage Conditions	
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Circuit Application	Power
Packaging Features	
Packaging Method	Bag
Packaging Quantity	100
Other	
Wire/Cable Type	Discrete Wire
For Use With	CPC Connectors, G Series Connectors, M Series Connectors

# **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	Not Yet Reviewed
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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

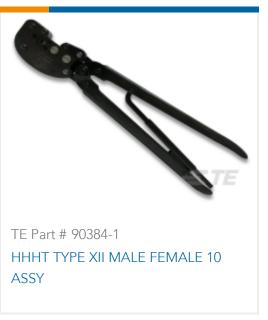
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as



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













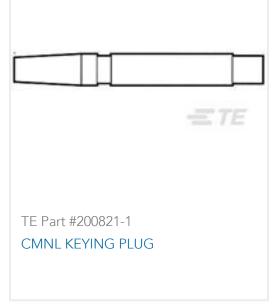


# Customers Also Bought

















#### **Documents**

## **Product Drawings**

TYPE XII FEMALE CONT (L.P.)

English

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_66741-6\_W.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_66741-6\_W.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_66741-6\_W.3d\_stp.zip

English

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

## Datasheets & Catalog Pages

M\_SERIES\_PIN\_AND\_SOCKET\_CONNECTORS

English

**Power Contacts** 

English

AMP Circular Connectors for Commercial Signal & Power Applications

English

Products for Aerospace and Defense

English

# **Product Specifications**

**Application Specification** 

English

**Product Environmental Compliance** 

MD\_66741-6\_040520122255

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