66741-6 ✔ ACTIVE

AMP

TE Internal #: 66741-6

Power Contacts, Contact, Gold, 10 AWG Wire Size, 5 – 6 mm² Wire Size, Wire-to-Wire, Wire & Cable, Crimp, Power, Socket, -55 – 125 °C [-67 – 257 °F]

View on TE.com >

Connectors > Power Connectors > Power Contacts

Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Gold**

Wire Size: **5 – 6 mm²**

Connector System: **Wire-to-Wire**

Features

Product Type Features

Power Contact Type	Contact
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 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 Underplating Material	Copper

Termination Features

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	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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

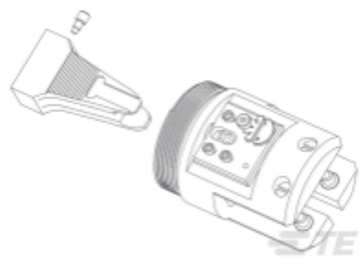
TE Part # 206037-2
CPC PLUG ASSEMBLY SIZE 17-3

TE Part # 90384-1
HHHT TYPE XII MALE FEMALE 10 ASSY

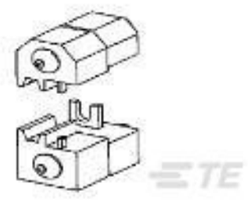
TE Part # 69710-1
C-HEAD FRAME W/O DIES

TE Part # 7-1579008-6
UNLOCKING TOOL

TE Part # 66259-2
MALE CONTACT ASSY. (L.P.)



TE Part # 356304-1
TOOL HOLDER ASSY, STRHT ACTION



TE Part # 90140-1
TYPE XII MALE FEMALE 10 DIE SET

Documents

Product Drawings

TYPE XII FEMALE CONT (L.P.)

English

CAD Files

Customer View Model

ENG_CVM_CVM_66741-6_W.2d_dxf.zip

English

3D PDF

3D

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

AMP Circular Connectors for Commercial Signal & Power Applications

English

Power Contacts

English

M_SERIES_PIN_AND_SOCKET_CONNECTORS

English

Products for Aerospace and Defense

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_66741-6_040520122255

English

MD_66741-6_040520122255

English