



Connectors &gt; Power Connectors &gt; Power Contacts

Power Contact Type: **Contact**Contact Mating Area Plating Material: **Tin-Lead**Wire Size: **1.25 – 1.4 mm<sup>2</sup>, 2 – 3 mm<sup>2</sup>**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	15 A
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### Contact Features

Contact Mating Area Plating Material	Tin-Lead
Contact Current Rating (Max)	15 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	1.27 μm[50 μin]
Wire Contact Termination Area Plating Thickness	1.27 μm[50 μin]
Wire Contact Termination Area Plating Material	Tin-Lead
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Right Angle
Contact Underplating Material	Copper

### Termination Features



Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Wire Insulation Support	With
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### Dimensions

Wire Size	1.25 – 1.4 mm <sup>2</sup> , 2 – 3 mm <sup>2</sup>
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Accepts Wire Insulation Diameter Range	3.43 – 4.06 mm [.135 – .16 in]
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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 Method	Bag
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Packaging Quantity	100
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### Other

Wire/Cable Type	Discrete Wire
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For Use With	CPC Connectors, G Series Connectors, M Series Connectors
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Comment	Hand Tool No. 69710-1 uses Die Insert No. 90145-2 for 16 AWG and Die Insert No. 90145-1 for 14-12 AWG wire.
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Not Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JAN 2022 (223)</p> <p>SVHC &gt; Threshold:</p> <p>Pb (13% in Component Part)</p> <p><b>Article Safe Usage Statements:</b> 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.</p>
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC
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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 # 90382-2  
HHHT TYPE XII 16-12 ASSY



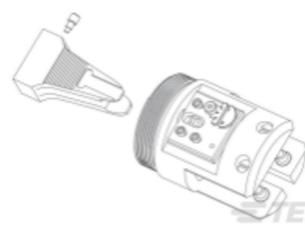
TE Part # 69710-1  
C-HEAD FRAME W/O DIES



TE Part # 7-1579008-6  
UNLOCKING TOOL



TE Part # 66261-1  
MALE CONTACT ASSY. (L.P.)



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



TE Part # 90145-1  
TYPE XII MALE FEMALE ASSY 14-12 DIE SET



TE Part # 2063487-1  
SDE TYPE III+ 0.2-2.5mm<sup>2</sup> ASSY



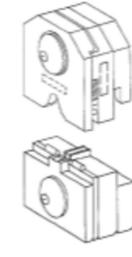
TE Part # 2063487-2  
SDE TYPE III+ 0.2-2.5mm<sup>2</sup> DIE SET



TE Part # 2217484-1  
KIT, BTLI, HEAVY HEAD



TE Part # 2217484-2  
KIT, BTLI, HEAVY HEAD



TE Part # 90145-2  
TYPE XII MALE FEMALE ASSY 16-14 DIE SET



## Documents

### Product Drawings

[TYPE XII FEMALE CONT \(L.P.\)](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_66740-8\\_V.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_66740-8\\_V.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_66740-8\\_V.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