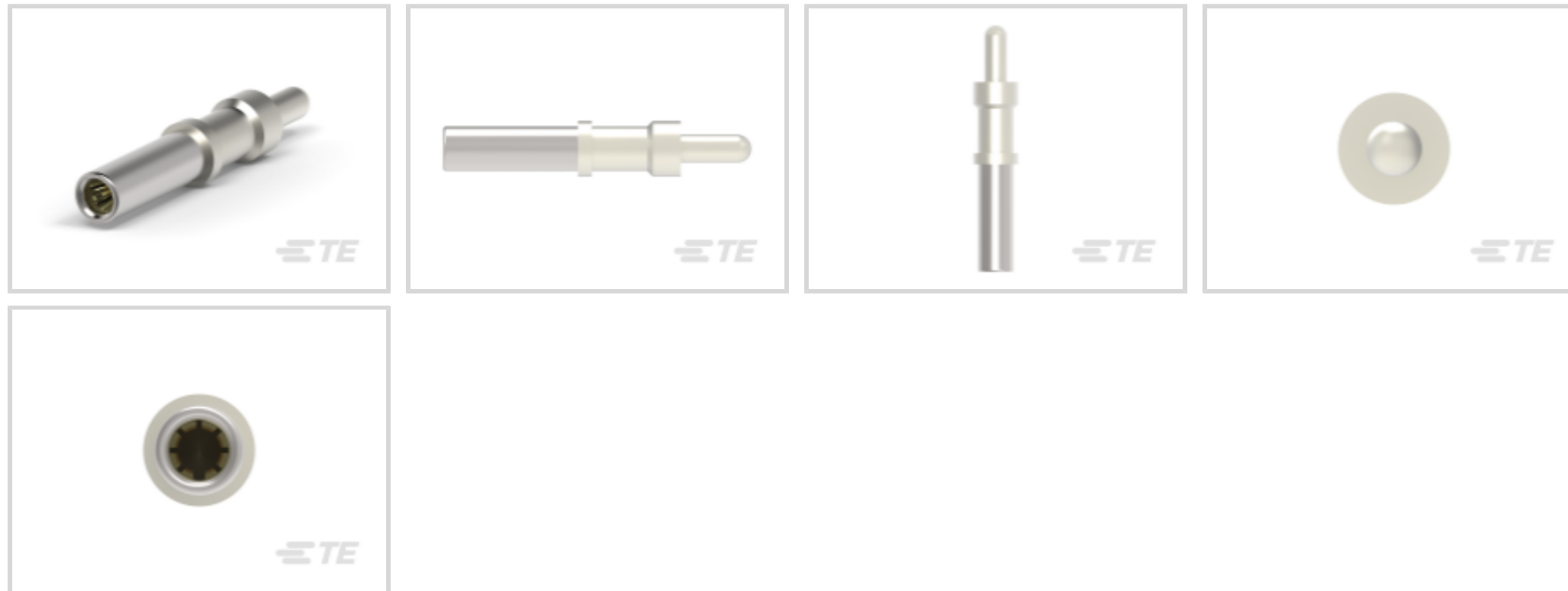




Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold**

Contact Retention Within Housing: **Without**

Contact Size: **Size 12**

Contact Base Material: **Copper Alloy**

Features

Mechanical Attachment

Wire Insulation Support	Without
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Packaging Features

Packaging Method	Bag
Packaging Quantity	500

Termination Features

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

Contact Features

PCB Contact Termination Area Plating Material Thickness	5.08 – 7.62 µm[200 – 300 µin]
Contact Underplating Material	Nickel
Contact Orientation	Straight
Mating Pin Diameter	2.28 mm[.09 in]
Contact Underplating Material Thickness	1 µm[40 µin]
PCB Contact Termination Area Plating Material	Silver



Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Contact Retention Within Housing	Without
Contact Size	Size 12
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	35 A

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

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 2023 (235) 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

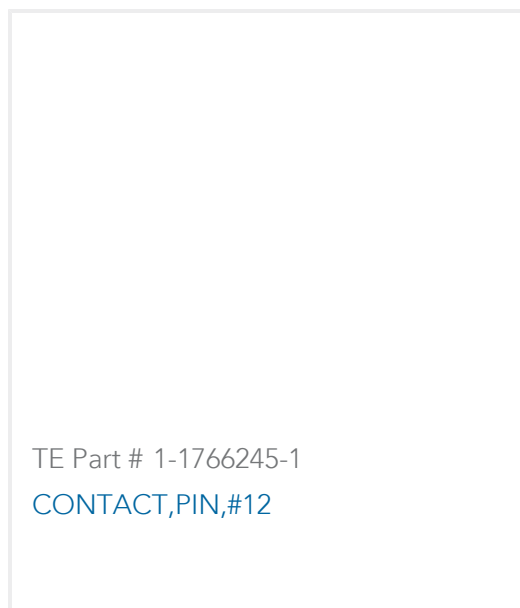


EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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




TE Part # 1766245-1
CONTACT,PIN,#12



TE Part # 1-1766245-1
CONTACT,PIN,#12

Also in the Series | ELCON Drawer




Connector Contacts(34)



Connector Hardware(1)



PCB Headers & Receptacles(25)



Rectangular Power Connectors(2)

Customers Also Bought



TE Part #5179029-4
0.8FH,P06H.5,100,08/Sn,TU



TE Part #171826-5
POST HDR ASSY HDR AMP EI CONN



TE Part #350827-1
06P UMNL HDR ASSY PC 94VO



TE Part #171826-2
2POS POST HEADER ASSY



Documents

Product Drawings

[CONTACT, SKT, SIZE #12](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_6648374-1_A.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6648374-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6648374-1_A.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_SEC02_CABLE_MOUNTED](#)

English

[AMP & ELCON Power Connector Layout Forms Datasheet 6-1773444-7](#)

English

Product Specifications

[Application Specification](#)

English

6648374-1

Socket Contact, Gold, Size 12 Contact Size, Copper Alloy, Power, -55 – 105 °C [-67 – 221 °F], ELCON Drawer

