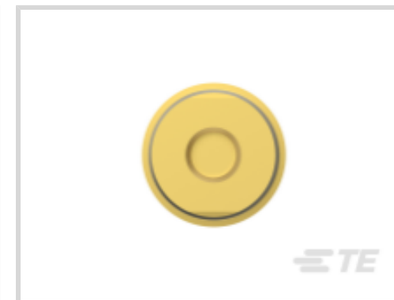
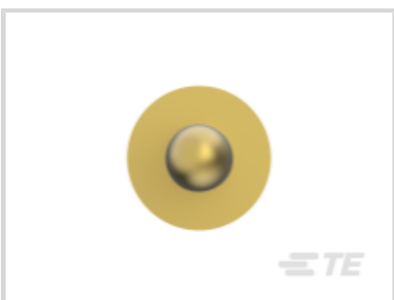
1651904-1 ✔ ACTIVE

TE Internal #: 1651904-1

Power Contacts, Contact, Gold, 10 – 8 AWG Wire Size, 5.261 – 8.366 mm² Wire Size, Wire & Cable, Crimp, Power, Pin, -65 – 105 °C [-85 – 221 °F]

View on TE.com >

Connectors > Power Connectors > Power Contacts

Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Gold**

Wire Size: **5.261 – 8.366 mm²**

Sealable: **No**

Features

Product Type Features

Power Contact Type	Contact
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Contact Features

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	75 A
Contact Type	Pin
Contact Retention Within Housing	Without
Mating Pin Diameter	3.6 mm[.142 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Wire Contact Termination Area Plating Thickness	.05 µm[1.96 µin]
Wire Contact Termination Area Plating Material	Gold
Contact Orientation	Straight
Contact Underplating Material	Nickel

Contact Underplating Material Thickness	1.02 µm[40 µin]

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Wire Insulation Support	Without

Dimensions

Wire Size	5.261 – 8.366 mm²

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Cd (.2% in Component Part) Pb (.12% in Component Part) Article Safe Usage Statements: Use personal protective equipment as required. 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 # 6648317-1
CONTACT,SOCKET,SIZE #8

Documents

Product Drawings

711-0104-02109=CONTACT,PIN,#8

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1651904-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1651904-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1651904-1_C.3d_stp.zip

English

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Product Specifications

Application Specification

English