



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold (Au)**

Wire Contact Termination Area Plating Material: **Gold Flash**

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **Without**

Features

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
Wire Contact Termination Area Plating Material	Gold Flash
Contact Retention Within Housing	Without
Contact Size	Size 20
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	5 A
Mating Pin Diameter	1.02 mm[.04 in]
Contact Mating Area Plating Material Thickness	.76 µm[29.8 µin]
Contact Mating Area Plating Material Finish	Bright
Wire Contact Termination Area Plating Thickness	.25 µm[10 µin]
Wire Contact Termination Area Plating Material Finish	Bright



Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1 µm[40 µin]

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Wire Size	404 – 1021 CMA
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Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (1.5% in 74025566) 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 < 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 # 1650150-3
701-0177-02109=CONTACT,PIN,#20

TE Part # 601967-1
CRIMPING TOOL M22520/1-01

TE Part # 601967-2
POSITIONER M22520/1-02

Also in the Series | ELCON Drawer

Board-to-Board Headers & Receptacles(10)

Connector Contacts(34)

Connector Hardware(1)

Power Contacts(34)

Rectangular Connector Housings(1)

Rectangular Power Connectors(9)

Standard Rectangular Connectors(2)

Customers Also Bought



TE Part #1623802-7
SQZ15 120K 5% (METAL FILM)

TE Part #1643917-1
703-14-00100

TE Part #1648156-1
242-27-01100

TE Part #1650589-1
903-19-02113=SCREW,SHOULDER,M4

TE Part #1766193-1
CONTACT,PIN,SIZE #12

TE Part #1766283-1
CONTACT,PIN,#4,M5

TE Part #6648167-1
CONN,SKT,75Amp MIDDLE DWR

TE Part #6648318-1
CONTACT,SKT,#12

TE Part #1648162-1
261-0006-01100

TE Part #1926171-1
CONN,PIN,75Amp MIDDLE DWR

Documents

Product Drawings

702-92-01109=CONTACT,SKT,#20

English

CAD Files

Customer View Model

ENG_CVM_1648325-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_1648325-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_1648325-1_A.2d_dxf.zip

English

3D PDF

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