



TE Internal #: 1489128-8
Power Contacts, Contact, 300 VAC, 300 VDC, Gold, 20 – 18 AWG
Wire Size, .5 – .8 mm² Wire Size, 1020 – 1620 CMA Wire Size, Wire-to-Board, Wire & Cable
[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**
Operating Voltage: **300 VDC**
Contact Mating Area Plating Material: **Gold**
Wire Size: **20 – 18 AWG**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	300 VDC
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Contact Features

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	10 A
Contact Type	Blade
Contact Retention Within Housing	With
Mating Tab Width	2.25 mm[.088 in]
Mating Tab Thickness	.4 mm[.016 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.38 µm[14.96 µin]
Wire Contact Termination Area Plating Thickness	2.03 µm[80 µin]
Wire Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight
Contact Underplating Material	Nickel



Contact Underplating Material Thickness	1.27 µm[50 µin]
Barrel Type	Open Barrel

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	With

Dimensions

Wire Size	1020 – 1620 CMA
Accepts Wire Insulation Diameter Range	2 – 3.1 mm[.078 – .122 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Reel
Packaging Quantity	2500

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



Documents

Product Drawings

CONT LEV 3 PLTED STD PWR STRP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1489128-8_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1489128-8_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1489128-8_E.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



Product Specifications

Application Specification

English

Application Specification

English