



Connectors > Power Connectors > Power Contacts > POWERBAND Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Silver**

Wire Size: **14 – 12 AWG**

[All POWERBAND Contacts \(20\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	1
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Electrical Characteristics

Test Current	45 A
Operating Voltage	600 VDC

Contact Features

Contact Mating Area Plating Material	Silver
Contact Current Rating (Max)	50 A
Contact Type	Socket



Contact Retention Within Housing	With
Mating Pin Diameter	3.18 mm[.125 in]
Contact Base Material	Copper
Contact Mating Area Plating Material Thickness	5.08 µm[200 µin]
Contact Mating Area Plating Material Finish	Semi-Bright
Wire Contact Termination Area Plating Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Material	Silver
Wire Contact Termination Area Plating Material Finish	Semi-Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	8

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Snap-In
Wire Insulation Support	Without

Dimensions

Wire Size	2 – 3 mm²
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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	Reel
Packaging Quantity	1500

Other

Wire Type	Stranded
For Use With	G Series Connectors

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



TE Part # CAT-AM71-C83998U
Environmentally Sealed Circular Connector, CPC Series 5



TE Part # CAT-AM71-C83998K
Circular Connector, Environmentally Sealed, CPC Series 6



TE Part # 213906-1
CPC PLUG ASSY, SRS 6, SZ 17-10



TE Part # 318813-1
EXTRACTION TOOL ASSY



TE Part # 213899-1
CPC SEAL ASSY KIT, SRS 5, 17-3



TE Part # 213900-1
CPC SEAL ASSY KIT, SRS 6, 17-10



TE Part # 2-2836120-2
OCEAN-2.0-APPLICATOR-S-130FA



TE Part # 2836120-2
OCEAN-2.0-APPLICATOR-S-130FA



TE Part # 7-2836120-2
OCEAN-2.0-APPLICATOR-S-130FA

TE Part # 7-2836120-7
OCEAN_2.0_SPARE_PART_KIT-130F

TE Part # 197889-1
ANVIL HOLDER

TE Part # 680195-3
HDM 5SMPR130F G

Also in the Series

AMP POWERBAND

Insertion & Extraction Tools(1)

Power Contacts(20)

Documents

Product Drawings

POWERBAND CONT ASSY,SILVER PLT

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_213847-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_213847-1_B.3d_stp.zip

English

Customer View Model

ENG_CVM_213847-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_213847-1_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_213847-1_G.3d_igs.zip

English



Customer View Model

[ENG_CVM_CVM_213847-1_G.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

Power Contacts

English

[METRIMATE_PIN_SOCKET_CATALOG](#)

English

Product Specifications

[Application Specification](#)

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Product Environmental Compliance

[TE Material Declaration](#)

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Agency Approvals

[Agency Approval Document](#)

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