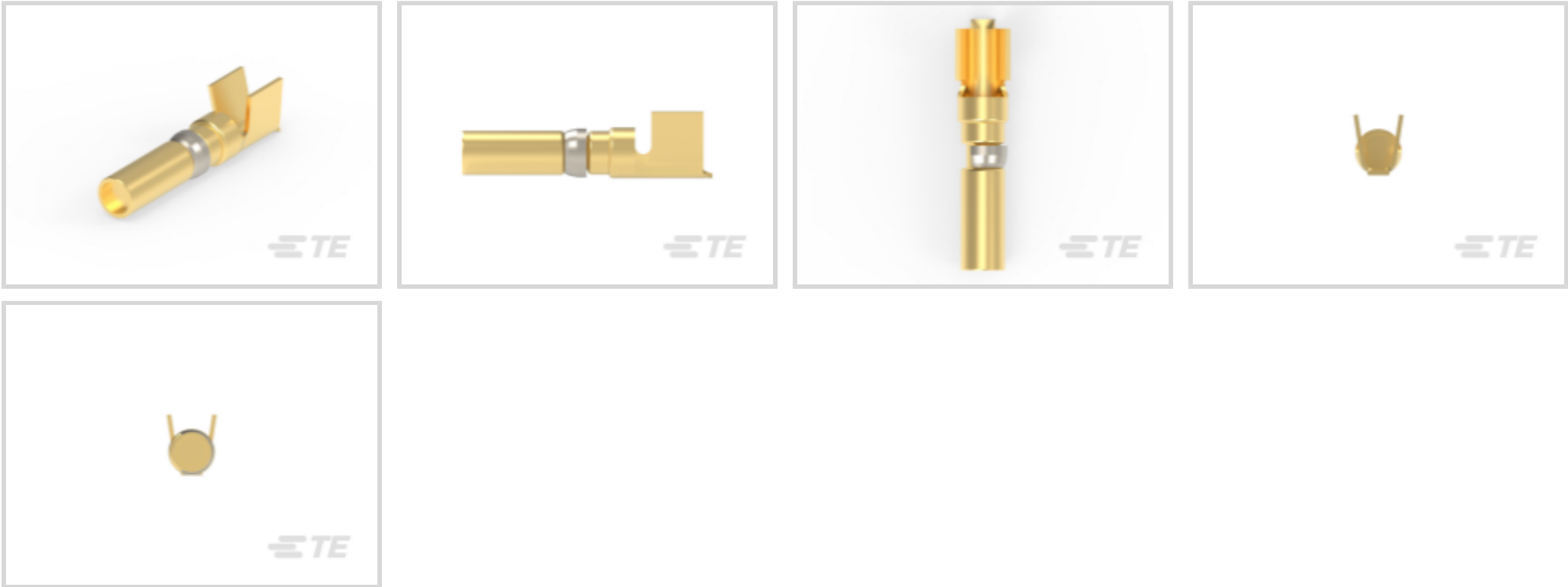




Connectors > Contacts > Connector Contacts > POWERBAND Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold**

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

Operating Voltage: **600 VDC**

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

Features

Product Type Features

Sealable	No
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Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Mating Pin Diameter	3.18 mm[.125 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Thickness	5 – 8 µm[5 – 8 µin]
Wire Contact Termination Area Plating Material Finish	Semi-Bright
Contact Mating Area Plating Material Thickness	5 – 8 µm[30 µin]
Contact Mating Area Plating Material Finish	Semi-Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Socket



Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Gold Flash
Contact Retention Within Housing	With
Contact Size	Size 8
Contact Base Material	Copper
Contact Current Rating (Max)	50 A

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	5 – 8 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 Quantity	1500
Packaging Method	Reel

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 213900-1 CPC SEAL ASSY KIT,SRS 6,17-10
 TE Part # 318813-1 EXTRACTION TOOL ASSY	 TE Part # 213899-1 CPC SEAL ASSY KIT,SRS 5,17-3	 TE Part # 2836124-2 OCEAN_2.0_Applicator-S-180F	 TE Part # 7-2836124-2 OCEAN_2.0_Applicator-S-180F
 TE Part # 7-2836124-7 OCEAN_2.0_SPARE_PART_KIT-180F	 TE Part # 197889-1 ANVIL HOLDER	 TE Part # 2836124-1 OBSOLETE OCEAN APPLICATOR	

Also in the Series | AMP POWERBAND



Connector Contacts(20)



Insertion & Extraction Tools(1)

Customers Also Bought



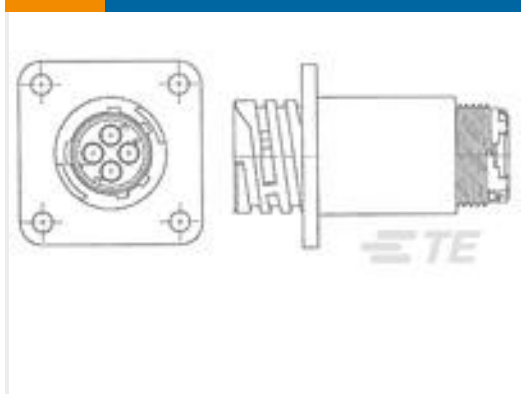
TE Part #788189-1
Environmentally Sealed Circular Connector, CPC Series 5



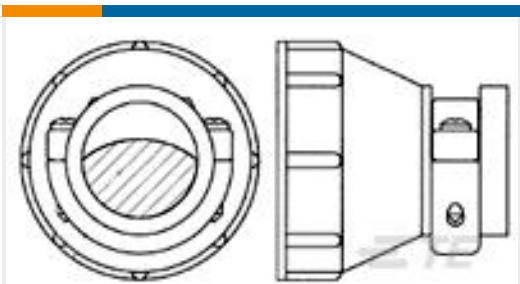
TE Part #213893-2
Sealed Two-Piece Connector, CPC Series 6



TE Part #776495-4
AS 16, 8P CAP ASSY, KEY 4



TE Part #788154-2
SLD CPC RCPT ASSY,11-4,REV SEX



TE Part #213904-4
CPC CBL CLMP KIT,STD,SZ17,BULK

Documents

Product Drawings

POWERBAND SKT ASY,8-10,STRIP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_213843-2_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_213843-2_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_213843-2_H.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.



Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Power Contacts

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METRIMATE_PIN_SOCKET_CATALOG

English

Product Specifications

Application Specification

English