



Connectors > Power Connectors > Power Contacts > POWERBAND Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **14 – 12 AWG**

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

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Power Contact Type	Contact
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Size	Size 8
Contact Mating Area Plating Material	Gold
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	.76 μm[30 μin]
Contact Mating Area Plating Material Finish	Semi-Bright
Wire Contact Termination Area Plating Thickness	.02 μm[1 μin]
Wire Contact Termination Area Plating Material	Gold Flash
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]

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 mm ²
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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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235)

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



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



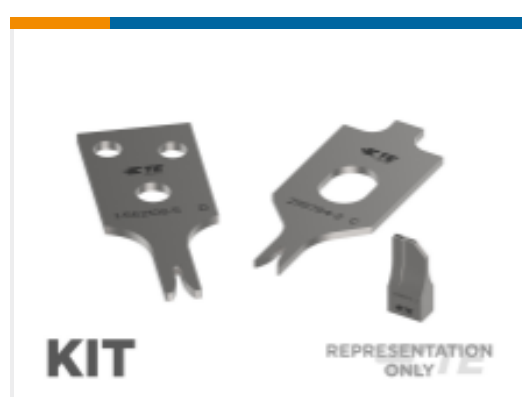
TE Part # 2-2836120-2
OCEAN-2.0-APPLICATOR-S-130F



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



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



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

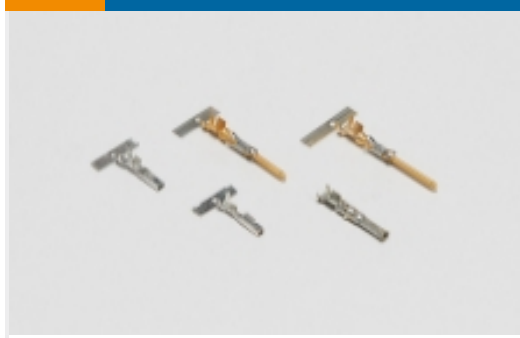


TE Part # 197889-1
ANVIL HOLDER



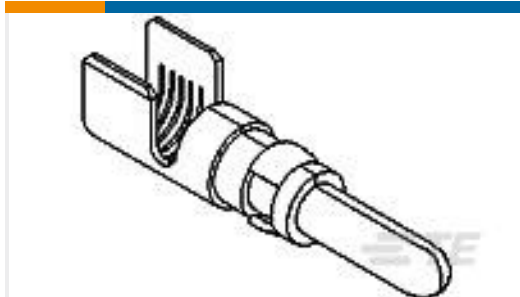
TE Part # 680195-3
HDM 5SMR130F G

Also in the Series | AMP POWERBAND



Power Contacts(20)

Customers Also Bought



TE Part #213841-2
POWERBAND PIN CNT



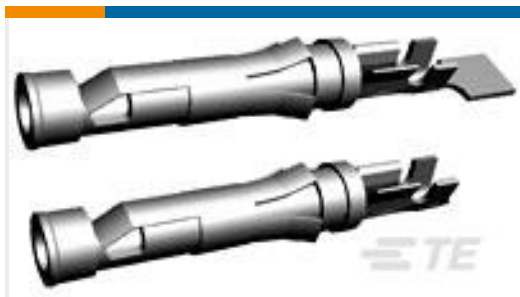
TE Part #796437-2
RECPT HSG,CPC,17-14,REV SEX



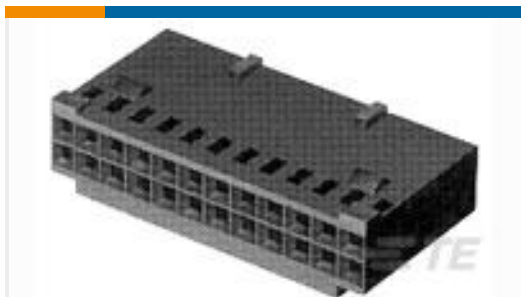
TE Part #1462038-1
IM02CGR=IM RELAY 140mW 4.5V HDV



TE Part #5205817-3
FEMALE SCREWLOCK KIT



TE Part #2-66358-1
III+SKT,18-14,TIN STRIP



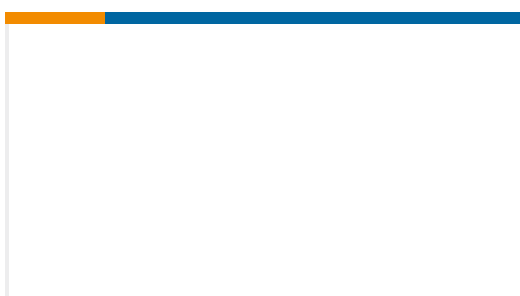
TE Part #87733-4
26 MODIV HSG W/STR RLF DR MRKD



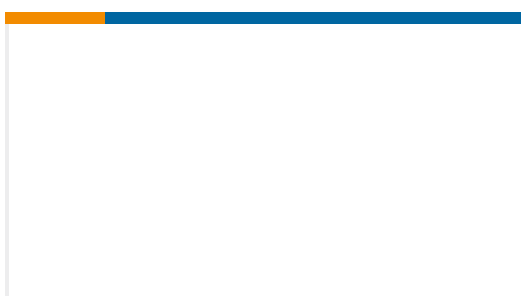
TE Part #2134078-1
SHILED FINGER 1210 EMBOSS
PACKING



TE Part #NB14284001
VERSAFIT-1-0-SP



TE Part #1214310-1
LOCATOR ASSY



TE Part #2231338-1
C/A ELM MBXL 4P16S POWER QPN
16000443-01

Documents

Product Drawings

[POWERBAND SKT ASY,14-12,STRIP](#)

English

CAD Files

[3D PDF](#)

English



Customer View Model

[ENG_CVM_213847-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_213847-2_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_213847-2_B.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_213847-2_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_213847-2_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_213847-2_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](#)

English

Product Environmental Compliance

[MD_213847-2_082820171151_dmtec](#)

English

[MD_213847-2_082820171151_dmtec](#)

English

Agency Approvals

[Agency Approval Document](#)

English