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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

|                    |          |
|--------------------|----------|
| Discrete Wire Type | Stranded |
| Sealable           | No       |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|

Contact Features

|                                                       |                     |
|-------------------------------------------------------|---------------------|
| Mating Pin Diameter                                   | 3.18 mm[.125 in]    |
| Contact Underplating Material Thickness               | 2 – 3 µm[50 µin]    |
| Wire Contact Termination Area Plating Thickness       | .02 µm[1 µin]       |
| Wire Contact Termination Area Plating Material Finish | Semi-Bright         |
| Contact Mating Area Plating Material Thickness        | 2 – 3 µm[2 – 3 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 |
| Contact Retention Type Within Housing | Snap-In |

Dimensions

|           |           |
|-----------|-----------|
| Wire Size | 2 – 3 mm² |
|-----------|-----------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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

|                                                                                                                                                                                   |                                                                                                                                                                                     |                                                                                                                                                      |                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-AM71-C83998U<br/>Environmentally Sealed Circular Connector, CPC Series 5</p> |  <p>TE Part # CAT-AM71-C83998K<br/>Circular Connector, Environmentally Sealed, CPC Series 6</p> |  <p>TE Part # 213906-1<br/>CPC PLUG ASSY,SRS 6,SZ 17-10</p>     |  <p>TE Part # 213900-1<br/>CPC SEAL ASSY KIT,SRS 6,17-10</p>    |
|  <p>TE Part # 318813-1<br/>EXTRACTION TOOL ASSY</p>                                            |  <p>TE Part # 213899-1<br/>CPC SEAL ASSY KIT,SRS 5,17-3</p>                                     |  <p>TE Part # 2836120-2<br/>OCEAN-2.0-APPLICATOR-S-130F-RSA</p> |  <p>TE Part # 7-2836120-7<br/>OCEAN_2.0_SPARE_PART_KIT-130F</p> |
|  <p>TE Part # 197889-1<br/>ANVIL HOLDER</p>                                                    |  <p>TE Part # 680195-3<br/>HDM 5SMPR130F G</p>                                                  |                                                                                                                                                      |                                                                                                                                                      |

Also in the Series | AMP POWERBAND

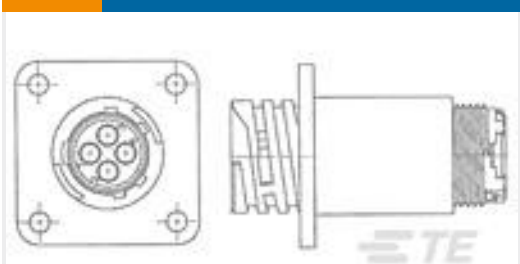


Connector Contacts(20)



Insertion & Extraction Tools(1)

Customers Also Bought



TE Part #796275-1  
SLD CPC RCPT ASSY,17-16,STD SX



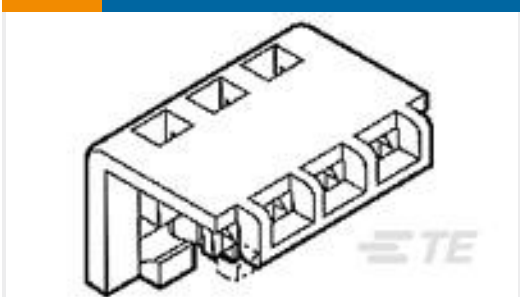
TE Part #776523-2  
AS16,PLUG ASSY,ST,03P,E SEAL, CODE B



TE Part #1-1375820-7  
CST-100 II HOUSING 17 POS



TE Part #66741-5  
TYPE XII FEMALE CONT (STRIP)



TE Part #643067-9  
09P MTA156 MOLDED COVER



TE Part #2112593-1  
6POS,NANOMQS,REC HSG,ASSY, SEALED



TE Part #1-1326031-0  
2.8MM BLD,SEAL,14AWG,REV REEL



TE Part #DT12S-DC  
PROTECT CVR, 12P, PLG, GRY, DT



TE Part #174429-1  
PL 250 HOUSING RECEPTACLE



TE Part #2329361-1  
PB OFF/ON RC BLK M1 TERM IP68 500MM L

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

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[METRIMATE\\_PIN\\_SOCKET\\_CATALOG](#)

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Product Specifications

[Application Specification](#)

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Agency Approvals

[Agency Approval Document](#)

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