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Contact Type: **Socket**

Contact Mating Area Plating Material: **Silver**

Wire Contact Termination Area Plating Material: **Silver**

Operating Voltage: **600 VDC**

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

Features

Product Type Features

|          |    |
|----------|----|
| Sealable | No |
|----------|----|

Electrical Characteristics

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

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[200 µin]   |
| Contact Mating Area Plating Material Finish           | Semi-Bright         |
| Contact Orientation                                   | Straight            |
| Contact Underplating Material                         | Nickel              |
| Contact Type                                          | Socket              |



|                                                |        |
|------------------------------------------------|--------|
| Contact Mating Area Plating Material           | Silver |
| Wire Contact Termination Area Plating Material | Silver |
| 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 |
|-------------------------|---------|

Dimensions

|           |           |
|-----------|-----------|
| Wire Size | 5 – 8 mm² |
|-----------|-----------|

Usage Conditions

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

Operation/Application

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

Packaging Features

|                    |        |
|--------------------|--------|
| Packaging Quantity | 100    |
| Packaging Method   | Carton |

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

TE Part # 69710-1  
C-HEAD FRAME W/O DIES

TE Part # 318813-1  
EXTRACTION TOOL ASSY

TE Part # 356611-1  
DIES POWERBAND CONT 8 AWG DIE SET

TE Part # 356611-2  
DIES POWERBAND CONT 10 AWG DIE SET

Also in the Series | AMP POWERBAND

Connector Contacts(20)

Insertion & Extraction Tools(1)

Customers Also Bought

TE Part #213905-1  
Environmentally Sealed Circular Connector, CPC Series 5

TE Part #1586077-1  
03P UMNL PIN HDR ASSY W/O DRNS

TE Part #2176094-7  
RP 2A 0.25W 133K 0.1% 25PPM 1K RL

TE Part #1625812-5  
3631B 220UH 10% FIO



TE Part #1-2176089-3  
RP 1J 0.166W 14K3 0.1% 25PPM 1K RL

TE Part #9-2176307-2  
RP 1E 0.1W 110K 0.1% 25PPM 5K RL

TE Part #3-2176230-7  
3522 820R 5% 3W

TE Part #5069702009  
CGPT-3.2/1.6-X-STK

TE Part #ANT-GNRM-L1A-3  
Antenna GNSS L1-L3 Ext Mag RG174  
3M SMA

Documents

Product Drawings

POWERBAND CONT ASSY,SILVER PLT

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_213843-3\_H.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_213843-3\_H.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_213843-3\_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

English

METRIMATE\_PIN\_SOCKET\_CATALOG

English

Product Specifications



Application Specification

English