# 2178531-1 ACTIVE

#### **CROWN CLIP**

TE Internal #: 2178531-1

Board-to-Bus Bar, 1 Position, Printed Circuit Board, Thermoplastic, Black, Swage Mount, Tray, Right Angle, Vertical, Copper Alloy,

**Busbar Connectors** 

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Connectors > Power Connectors > Busbar Connectors











Connector System: Board-to-Bus Bar

Number of Positions: 1

Connector & Contact Terminates To: Printed Circuit Board

Mating Conductor Thickness: 3 mm [.118 in]

Housing Material: Thermoplastic

#### **Features**

#### **Product Type Features**

| Connector & Housing Type          | Receptacle            |
|-----------------------------------|-----------------------|
| Connector System                  | Board-to-Bus Bar      |
| Connector & Contact Terminates To | Printed Circuit Board |

#### **Configuration Features**

| Number of Positions             | 1             |
|---------------------------------|---------------|
| PCB Mount Orientation           | Right Angle   |
| Mating & Unmating Configuration | Hot Pluggable |

#### **Body Features**

| Bus Bar Contact Plating Material S | Silver |
|------------------------------------|--------|
|------------------------------------|--------|

#### **Contact Features**

| Contact Base Material        | Copper Alloy      |
|------------------------------|-------------------|
| Contact Current Rating (Max) | 170 A             |
| Contact Length               | 28.1 mm[1.106 in] |
| Bus Bar Contact Style        | Socket            |



#### **Termination Features**

| Termination Method to PCB            | Through Hole - Solder      |
|--------------------------------------|----------------------------|
| Mechanical Attachment                |                            |
| Mating Alignment                     | Without                    |
| Bus Bar Connector Mounting Retention | Without                    |
| PCB Mount Retention Type             | Retention Solder Tails     |
| Bus Bar Mount Retention Type         | Swage Mount                |
| Bus Bar Mount Orientation            | Vertical                   |
| Connector Mounting Type              | Board Mount                |
| Housing Features                     |                            |
| Housing Material                     | Thermoplastic              |
| Housing Color                        | Black                      |
| Usage Conditions                     |                            |
| Operating Temperature Range          | -65 – 105 °C[-85 – 221 °F] |
| Operation/Application                |                            |
| Circuit Application                  | Power                      |
| Packaging Features                   |                            |
| Packaging Method                     | Tray                       |
| Other                                |                            |
| Mating Conductor Thickness           | 3 mm[.118 in]              |

### **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) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |



#### Solder Process Capability

Wave solder capable to 240°C

#### 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



## Customers Also Bought



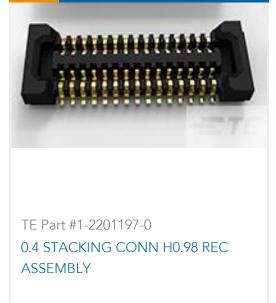


















#### **Documents**

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2178531-1\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2178531-1\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2178531-1\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

#### Datasheets & Catalog Pages

**Busbar Power Brochure** 

English

### **Product Specifications**

**Application Specification** 

English

### Agency Approvals

**UL Report** 

English