

1643903-3 ✓ ACTIVE

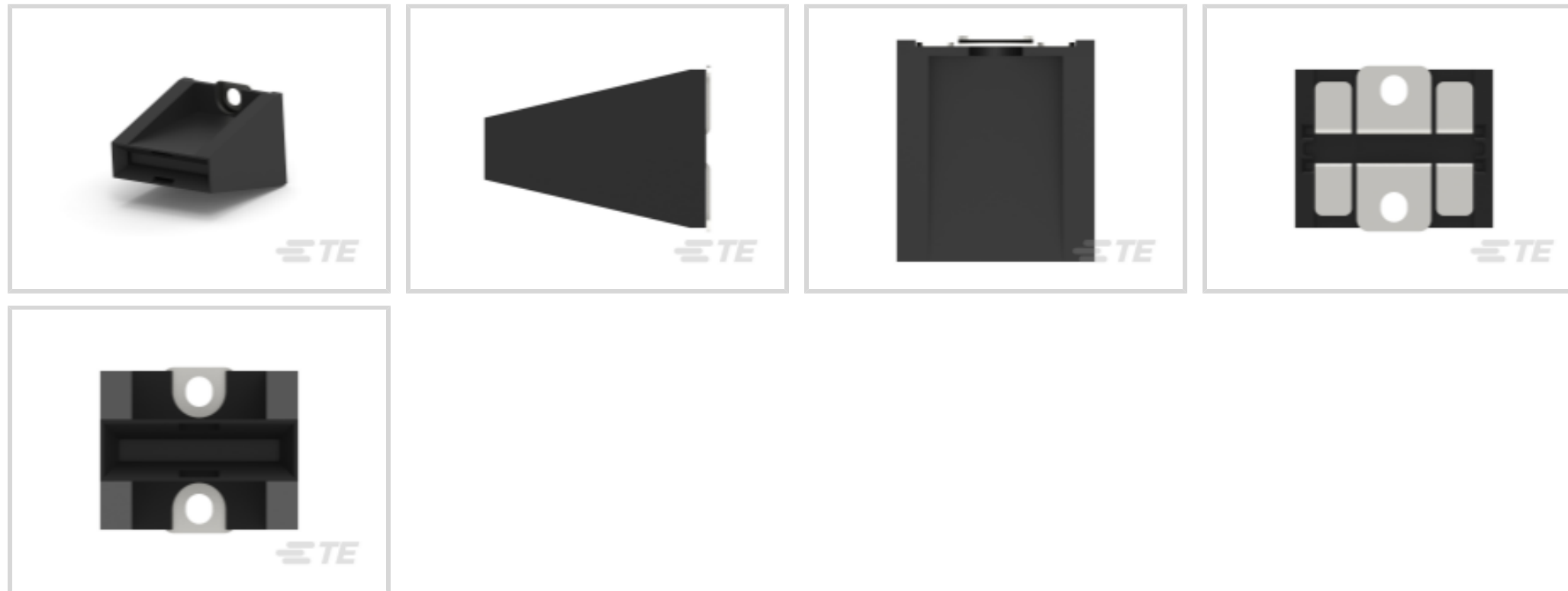
TE Internal #: 1643903-3

Busbar Connectors, Bus Bar-to-Bus Bar, 1 Position, Bus Bar, PBT GF30, Black, Mating Alignment, Package, Vertical, Copper Alloy, Receptacle

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Connectors > Power Connectors > Power Busbar Connectors > Busbar Connectors



Connector System: **Bus Bar-to-Bus Bar**

Number of Positions: **1**

Sealable: **No**

Connector & Contact Terminates To: **Bus Bar**

Mating Conductor Thickness: **3.18 mm [.125 in]**

Features

Product Type Features

Product Type	Connector
Connector System	Bus Bar-to-Bus Bar
Sealable	No
Connector & Contact Terminates To	Bus Bar
Connector & Housing Type	Receptacle

Configuration Features

Number of Positions	1
PCB Mount Orientation	Vertical
Mating & Unmating Configuration	Hot Pluggable

Electrical Characteristics

Operating Voltage	600 VAC
Operating Voltage Reference	AC/DC

Body Features

Bus Bar Contact Plating Material	Silver
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Contact Features

Contact Design	Multiple Contact Point
Contact Transmits (Typical)	Power
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	300 A
Contact Length	31.25 mm[1.23 in]
Bus Bar Contact Size	31.2 X 25.4 X .65
Bus Bar Contact Style	Socket

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Screw
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Mechanical Attachment

Mating Alignment Type	Blindmate
Mating Alignment	With
PCB Mount Retention Type	Mounting Hole
Connector Mounting Type	Board Mount

Housing Features

Housing Material	PBT GF30
Housing Color	Black

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

CSA File Number	182.3-M1987
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Package
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Other

Comment	Dual Pole
Mating Conductor Thickness	3.18 mm[.125 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1643903-1 CC - CROWN CLIP Senior II 538-0068-00100</p>	 <p>TE Part # 1-2204893-1 M4*0.7 LOW HEAD HEX SCREWS</p>	 <p>TE Part # 1643903-2 CC 3000 -Crown Clip Senior II 3000W Conn</p>	 <p>TE Part # 1643904-1 538-0069-00100B=TA CONN,BLADE</p>
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Documents

Product Drawings

CC - CROWN CLIP Senior II, AG PLATING

English

CAD Files

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1643903-3_C1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1643903-3_C1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1643903-3_C1.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[UL Report](#)

English