

6648221-1 ✓ ACTIVE

RAPID LOCK

TE Internal #: 6648221-1

Busbar Connector Contacts, Cable-to-Board, 1 Position, Wire & Cable, Size 8, Swage, Copper Alloy, Silver, 50 A, Power, Board Mount

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Connectors > Power Connectors > Power Busbar Connectors > Busbar Connector Contacts



Connector System: **Cable-to-Board**

Number of Positions: **1**

Connector & Contact Terminates To: **Wire & Cable**

Bus Bar Contact Size: **8**

Termination Method to Bus Bar: **Swage**

Features

Product Type Features

Product Type	Contact
Connector System	Cable-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	1

Electrical Characteristics

Current Rating	50 A
Voltage Drop	35 mV

Contact Features

Contact Underplating Material	Nickel
Bus Bar Contact Size	8
Contact Base Material	Copper Alloy
Overall Contact Plating Material	Silver
Contact Current Rating (Max)	50 A

Termination Features

Termination Method to Bus Bar	Swage
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Mechanical Attachment



Connector Mounting Type	Board Mount
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Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Circuit Application	Power
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JAN 2022 (223)</p> <p>SVHC > Threshold:</p> <p>Pb (.35% in Component part)</p> <p>Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
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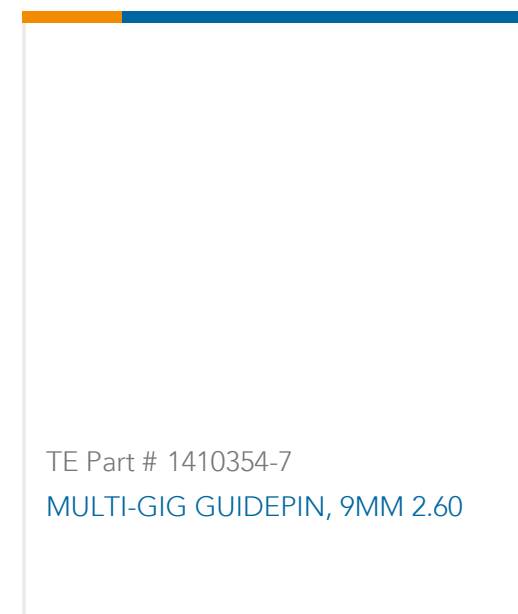
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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Product Compliance Disclaimer

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



Documents

Product Drawings

[CONTACT,PIN,#8](#)

English

CAD Files

Customer View Model

[ENG_CVM_6648221-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_6648221-1_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_6648221-1_A.2d_dxf.zip](#)

English

[3D PDF](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED](#)

English

[Busbar Power Brochure](#)

English

[2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English