

English

Connector, CHAMP, 050, Board-To-Board, Vertical and Right Angle Mounting

[📄 S\\_108-1367\\_B.tif](#)

English

Product Specification

[📄 ENG\\_SS\\_108-1367\\_B.pdf](#)

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[📄 ENG\\_SS\\_108-57876\\_A1.pdf](#)

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Qualification Test Report

[📄 ENG\\_SS\\_501-173\\_A.pdf](#)

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Connector, CHAMP, 050, Board To Board, Vertical & Rt Angle Mounting

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Qualification Test Report

[📄 JPN\\_SS\\_501-173\\_A.pdf](#)

Japanese

Product Environmental Compliance

MD\_1734037-5\_100420171214\_dmtec

[📄 ENG\\_PC\\_MD\\_1734037-5\\_E\(775207\).xlsx](#)

English

MD\_1734037-5\_100420171214\_dmtec

[📄 ENG\\_PC\\_MD\\_1734037-5\\_E\(535218\).xml](#)

English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features

PCB Connector Assembly Type : **PCB Mount Receptacle**

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

Sealable : **No**

Connector & Contact Terminates To : **Printed Circuit Board**

Configuration Features

Stackable : **No**

Number of Rows : **4**

PCB Mount Orientation : **Right Angle**

Number of Positions : **50**

Electrical Characteristics

Operating Voltage (VAC): **250**

Insulation Resistance (MΩ): **4**

Dielectric Withstanding Voltage (Max) (VAC): **750**

Body Features

Connector Profile : **Standard**

PCB Retention Feature Plating Material : **Tin**

PCB Retention Feature Material : **Brass**

Contact Features	Contact Base Material : <b>Phosphor Bronze</b> PCB Contact Termination Area Plating Material : <b>Tin</b> PCB Contact Termination Area Plating Material Finish : <b>Matte</b> PCB Contact Termination Area Plating Material Thickness : <b>3.81 µm [ 149.9997 µin ]</b> Contact Mating Area Plating Material : <b>Gold Flash</b> Contact Mating Area Plating Material Thickness : <b>.76 µm [ 30 µin ]</b> Contact Type : <b>Socket</b> Contact Current Rating (Max) (A): <b>1</b> Contact Layout : <b>Matrix</b>
Termination Features	Termination Post & Tail Length : <b>3.1 mm [ .122 in ]</b> Termination Method to Printed Circuit Board : <b>Through Hole - Solder</b>
Mechanical Attachment	PCB Mount Retention Type : <b>Boardlock</b> Mating Alignment : <b>With</b> Mating Alignment Type : <b>Polarized</b> PCB Mount Retention : <b>With</b> PCB Mount Alignment : <b>Without</b> Connector Mounting Type : <b>Board Mount</b>
Housing Features	Centerline (Pitch) : <b>1.27 mm [ .05 in ]</b> Housing Material : <b>Matte</b>
Dimensions	Connector Height : <b>7.65 mm [ .300645 in ]</b> Row-to-Row Spacing : <b>1.905 mm [ .0749 in ]</b> PCB Thickness (Recommended) (in): <b>.76</b>
Usage Conditions	Operating Temperature Range : <b>-55 – 85 °C [ -67 – 185 °F ]</b> Housing Temperature Rating : <b>High</b>
Operation/Application	Assembly Process Feature : <b>None</b> Circuit Application : <b>Signal</b>
Industry Standards	UL Flammability Rating : <b>UL 94V-0</b>
Packaging Features	Packaging Quantity : <b>35</b> Packaging Method : <b>Tray</b>
Statement of Compliance	<a href="#">Statement of Compliance</a> pdf



Board-to-Board  
Headers &  
Receptacles (126)



Standard Rectangular  
Connectors (1)

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