



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](#)

English

[📄 ENG_SS_108-57876_A1.pdf](#)

English

Qualification Test Report

[📄 ENG_SS_501-173_A.pdf](#)

English

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

[📄 S_501-173_A.tif](#)

English

Qualification Test Report

[📄 JPN_SS_501-173_A.pdf](#)

Japanese

Product Environmental Compliance

MD_1734037-1_081820171154_dmtec

[📄 ENG_PC_MD_1734037-1_D\(029674\).xlsx](#)

English

MD_1734037-1_081820171154_dmtec

[📄 ENG_PC_MD_1734037-1_D\(560677\).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 : **80**

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 : Phosphor Bronze PCB Contact Termination Area Plating Material : Tin PCB Contact Termination Area Plating Material Finish : Matte PCB Contact Termination Area Plating Material Thickness : 3.81 µm [149.9997 µin] Contact Mating Area Plating Material : Gold Flash Contact Mating Area Plating Material Thickness (µin): 30 Contact Type : Socket Contact Current Rating (Max) (A): 1 Contact Layout : Matrix
Termination Features	Termination Post & Tail Length : 3.1 mm [.122 in] Termination Method to Printed Circuit Board : Through Hole - Solder
Mechanical Attachment	PCB Mount Retention Type : Boardlock Mating Alignment : With Mating Alignment Type : Polarized PCB Mount Retention : With PCB Mount Alignment : Without Connector Mounting Type : Board Mount
Housing Features	Centerline (Pitch) : 1.27 mm [.05 in] Housing Color : Black Housing Material : Matte
Dimensions	Connector Height : 7.65 mm [.300645 in]
Usage Conditions	Operating Temperature Range : -55 – 85 °C [-67 – 185 °F] Housing Temperature Rating : High
Operation/Application	Assembly Process Feature : None Circuit Application : Signal
Industry Standards	UL Flammability Rating : UL 94V-0
Packaging Features	Packaging Quantity : 21 Packaging Method : Package
Statement of Compliance	Statement of Compliance pdf

Also in the Series | [CHAMP .050 Series I](#)



Board-to-Board
Headers &
Receptacles (126)



Standard Rectangular
Connectors (1)

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