



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

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

TE Material Declaration

 [ENG_PC_MD_1734099-8_MD_1734099-8_B_MD_1734099-8_01042014336_dmtec.pdf](#)

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 Header**
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 (VDC): **12**
Insulation Resistance (MΩ): **4**
Dielectric Withstanding Voltage (Max) (VAC): **500**

Body Features

Connector Profile : **Standard**
PCB Retention Feature Plating Material :
Tin-Copper over Nickel
PCB Retention Feature Material : **Brass**

Contact Features

Contact Base Material : **Phosphor Bronze**
PCB Contact Termination Area Plating Material : **Tin**
Contact Shape & Form : **Square**
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 : .05 µm [1.9685 µin] Contact Type : Pin 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 Material : Matte
Dimensions	Connector Height : 7.5 mm [.29475 in] Row-to-Row Spacing : 1.905 mm [.0749 in] Stack Height : 13.2 mm [.52 in] PCB Thickness (Recommended) (in): .05
Usage Conditions	Operating Temperature Range : -35 – 85 °C [-31 – 185 °F]
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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