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# 1734037-1

CHAMP .050 Series I, PCB Mount Receptacle, Right Angle, Board-to-Board, 80 Position, 1.27mm [.05in] Centerline, Gold Flash, Printed Circuit Board



CHAMP | CHAMP .050 Series I

TE Internal #: **1734037-1**

TE Internal Description: **Champ 050 series,80pos,Au over PdNi**

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

PCB Mount Orientation : **Right Angle**

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

Number of Positions : **80**

Centerline (Pitch) : **1.27 mm [.05 in]**

[Digital Datasheet](#)



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**Product Compliance**

Product Drawings

Champ 050 series,80pos,Au over PdNi

[Champ 050 Series,80pos,Au Over PdNi](#)

English

CAD Files

3D PDF

[3D\\_CVM\\_CVM\\_1734037-1\\_G.pdf](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1734037-1\\_G.2d\\_dxf.zip](#)

English

[ENG\\_CVM\\_CVM\\_1734037-1\\_G.3d\\_igs.zip](#)

English

[ENG\\_CVM\\_CVM\\_1734037-1\\_G.3d\\_stp.zip](#)

English

Product Specifications

Application Specification

[ENG\\_SS\\_114-6045\\_A.pdf](#)

English

CHAMP .050 High Density Connector

[S\\_114-6049\\_O.tif](#)

English

[S\\_114-6049\\_O.pdf](#)

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

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



Board-to-Board  
Headers &  
Receptacles (126)



Standard Rectangular  
Connectors (1)

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