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1734101-5

CHAMP .050 Series I, PCB Mount Receptacle, Vertical, Board-to-Board, 50 Position, 1.27mm [.05in] Centerline, Gold Flash, Printed Circuit Board



CHAMP | CHAMP .050 Series I

TE Internal #: **1734101-5**
TE Internal Description: **Champ050 series,50pos,Au over PdNi**

PCB Connector Assembly Type : **PCB Mount Receptacle**
PCB Mount Orientation : **Vertical**
Connector System : **Board-to-Board**
Number of Positions : **50**
Centerline (Pitch) : **1.27 mm [.05 in]**

[Digital Datasheet](#)



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Documents

Features

Product Compliance

Product Drawings

Champ050 series,50pos,Au over PdNi
 [Champ050 Series,50pos,Au Over PdNi](#)
English

CAD Files

3D PDF
 [3D_CVM_CVM_1734101-5_E.pdf](#)
3D
Customer View Model
 [ENG_CVM_CVM_1734101-5_E.2d_dxf.zip](#)
English
 [ENG_CVM_CVM_1734101-5_E.3d_igs.zip](#)
English
 [ENG_CVM_CVM_1734101-5_E.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](#)

Feedback



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

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 : **Vertical**
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-Copper over Nickel
PCB Retention Feature Material : **Brass**

Contact Features

Contact Base Material : **Phosphor Bronze**
PCB Contact Termination Area Plating Material : **Tin**
Contact Mating Area Plating Material Finish : **Matte**
PCB Contact Termination Area Plating Material Finish : **Matte**
PCB Contact Termination Area Plating Material Thickness :
3.8 μm [149.606 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 : 2.54 mm [.1 in] Termination Method to Printed Circuit Board : Through Hole - Solder
Mechanical Attachment	PCB Mount Retention Type : Boardlock, Retention Leg Mating Alignment : With Mating Alignment Type : Polarized PCB Mount Retention : With PCB Mount Alignment : With Connector Mounting Type : Board Mount PCB Mount Alignment Type : Locating Posts
Housing Features	Centerline (Pitch) : 1.27 mm [.05 in] Housing Color : Black Housing Material : Matte
Dimensions	Connector Height : 10 mm [.393 in]
Usage Conditions	Operating Temperature Range : -55 – 85 °C [-67 – 185 °F]
Operation/Application	Assembly Process Feature : None Circuit Application : Signal
Industry Standards	UL Flammability Rating : UL 94V-0
Packaging Features	Packaging Quantity : 54 Packaging Method : Tube
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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