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1734100-4

CHAMP .050 Series I, PCB Mount Header, Vertical, Board-to-Board, 40 Position, 1.27mm [.05in] Centerline, Gold Flash, Printed Circuit Board



CHAMP | CHAMP .050 Series I

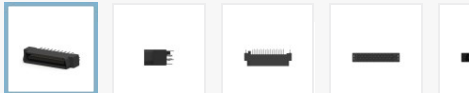
TE Internal #: **1734100-4**
TE Internal Description: **Champ050 series,40pos,Au over PdNi**

PCB Connector Assembly Type : **PCB Mount Header**

PCB Mount Orientation : **Vertical**
Connector System : **Board-to-Board**
Number of Positions : **40**
Centerline (Pitch) : **1.27 mm [.05 in]**

Digital Datasheet

Compatible Parts & Tooling



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Documents

Features

Product Compliance

Product Drawings

Champ050 series,40pos,Au over PdNi
 [Champ050 Series,40pos,Au Over PdNi](#)
English

CAD Files

3D PDF
 [3D_CVM_CVM_1734100-4_E.pdf](#)
3D
Customer View Model
 [ENG_CVM_CVM_1734100-4_E.2d_dxf.zip](#)
English
 [ENG_CVM_CVM_1734100-4_E.3d_igs.zip](#)
English
 [ENG_CVM_CVM_1734100-4_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](#)
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_108-2351_H1.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_1734100-4_08012016956_dmtec

 [ENG_PC_MD_1734100-4_E\(840689\).xlsx](#)

English

MD_1734100-4_08012016956_dmtec

 [ENG_PC_MD_1734100-4_E\(330693\).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 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 : **Vertical**

Number of Positions : **40**

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 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 : .76 µm [30 µin] Contact Type : Pin 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 : Guide Post 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 Material : Matte
Dimensions	Row-to-Row Spacing : 1.904 mm [.0748 in] PCB Thickness (Recommended) : .8 – 1.6 mm [.76 in]
Usage Conditions	Operating Temperature Range : -55 – 105 °C [-67 – 221 °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 : Package
Statement of Compliance	Statement of Compliance pdf



Board-to-Board
Headers &
Receptacles (126)



Standard Rectangular
Connectors (1)

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