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1734037-4

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



CHAMP | CHAMP .050 Series I

TE Internal #: **1734037-4**
TE Internal Description: **Champ 050 series,40pos,Au over PdNi**

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

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Compatible Parts & Tooling

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Documents | Features | Product Compliance

Product Drawings

Champ 050 series,40pos,Au over PdNi

Champ 050 Series,40pos,Au Over PdNi

English

CAD Files

PCB Design

Download symbol & footprint (SnapEDA)

3D PDF

3D_CVM_CVM_1734037-4_G.pdf

3D

Customer View Model

ENG_CVM_CVM_1734037-4_G.2d_dxf.zip

English

ENG_CVM_CVM_1734037-4_G.3d_igs.zip

English

ENG_CVM_CVM_1734037-4_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

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

TE Material Declaration

ENG_PC_MD_1734037-4_E.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 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 : **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**
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 :
[illegible] **997 µin]**

	Contact Mating Area Plating Material : **Gold Flash** Contact Mating Area Plating Material Thickness : **.76 µm [30 µin]** 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 Material : **Matte**
Dimensions	Connector Height : **7.65 mm [.300645 in]** Row-to-Row Spacing : **1.905 mm [.0749 in]** PCB Thickness (Recommended) (in): **.76**
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 : **45** Packaging Method : **Package**
Statement of Compliance	Statement of Compliance pdf

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CHAMP .050 Series I, PCB Mount Receptacle, Right Angle...



From **In-Stock**

PCB Connector Assembly Type : **PCB Mount Receptacle**
PCB Mount Orientation : **Right Angle**
Connector System : **Board-to-Board**
Number of Positions : **40** ...

CHAMP .050 Series I, PCB Mount Receptacle, Right Angle...



From **In-Stock**

PCB Connector Assembly Type : **PCB Mount Receptacle**
PCB Mount Orientation : **Right Angle**
Connector System : **Board-to-Board**
Number of Positions : **100** ...

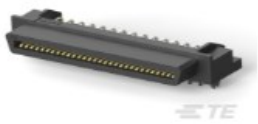
CHAMP .050 Series I, PCB Mount Receptacle, Right Angle...



From **In-Stock**

PCB Connector Assembly Type : **PCB Mount Receptacle**
PCB Mount Orientation : **Right Angle**
Connector System : **Board-to-Board**
Number of Positions : **50** ...

CHAMP .050 Series I, PCB Mount Receptacle, Right Angle...



From **In-Stock**

PCB Connector Assembly Type : **PCB Mount Receptacle**
PCB Mount Orientation : **Right Angle**
Connector System : **Board-to-Board**
Number of Positions : **60** ...

Also in the Series | CHAMP .050 Series I



Board-to-Board Headers & Receptacles (126)



Standard Rectangular Connectors (1)