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1734098-7

CHAMP .050 Series I, Vertical, Wire-to-Board, 68 Position, 1.27mm [.05in] Centerline, Gold Flash, Wire & Cable, Signal, Cable Mount (Free-Hanging)

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CHAMP | CHAMP .050 Series I

TE Internal #: **1734098-7**

TE Internal Description: **Champ050 68p A/P RCPT 25CL PB**

PCB Mount Orientation : **Vertical**

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

Number of Positions : **68**

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

Contact Mating Area Plating Material : **Gold Flash**

[Digital Datasheet](#)

We are here to help!

Get in touch with our product experts.



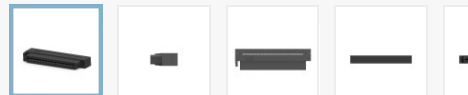
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Compatible Parts & Tooling

Documents

Features

Product Compliance

Product Drawings

Champ050 68p A/P RCPT 25CL PB

[Champ050 68p A/P RCPT 25CL PB](#)

English

CAD Files

PCB Design

[Download symbol & footprint \(Ultra Librarian\)](#)

3D PDF

[3D_CVM_CVM_1734098-7_B.pdf](#)

3D

Customer View Model

[ENG_CVM_CVM_1734098-7_B.2d_dxf.zip](#)

English

[ENG_CVM_CVM_1734098-7_B.3d_igs.zip](#)

English

[ENG_CVM_CVM_1734098-7_B.3d_stp.zip](#)

English

Product Specifications

Application Specification

[ENG_SS_114-6064_B.pdf](#)

English

Product Specification

[ENG_SS_108-1545_B.pdf](#)

English

Product Specification

[ENG_SS_108-57896_A.pdf](#)

English

Qualification Test Report

[ENG_SS_501-118018_A.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

Connector System : **Wire-to-Board**
Sealable : **No**
Connector & Contact Terminates To : **Wire & Cable**

Configuration
Features

Stackable : **No**
Number of Rows : **2**
PCB Mount Orientation : **Vertical**
Number of Positions : **68**

Electrical
Characteristics

Operating Voltage (VDC): **12**
Insulation Resistance (MΩ): **2**
Dielectric Withstanding Voltage (Max) (VAC): **500**

Contact Features

Contact Base Material : **Phosphor Bronze**
PCB Contact Termination Area Plating Material : **Tin**
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 :
1.27 μm [50 μin]
Contact Type : **Socket**

Termination
Features

Termination Method to Printed Circuit Board : **Surface Mount**

Mechanical
Attachment

Mating Alignment : **With**
Mating Alignment Type : **Polarized**
PCB Mount Retention : **Without**
PCB Mount Alignment : **With**
Connector Mounting Type : **Cable Mount (Free-Hanging)**
PCB Mount Alignment Type : **Post Polarization**

Housing Features

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

Dimensions

Connector Height : **15.27 mm [.6001 in]**
PCB Thickness (Recommended) : **1.42 – 1.72 mm [1.27 in]**



Usage Conditions	Operating Temperature Range : -35 – 85 °C [-31 – 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 : 50 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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