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5176376-5

CHAMP .050 Series I, PCB Mount Receptacle, Vertical, Board-to-Board, 120 Position, 1.27mm
[.05in] Centerline, Gold, Printed Circuit Board

CHAMP | CHAMP .050 Series I

TE Internal #: **5176376-5**TE Internal Description: **AMP FH CONN REC
V 120P (H=16)**PCB Connector Assembly Type : **PCB Mount
Receptacle**PCB Mount Orientation : **Vertical**Connector System : **Board-to-Board**Number of Positions : **120**Centerline (Pitch) : **1.27 mm [.05 in]** [Digital Datasheet](#)

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Documents

Features

Product Compliance

Product Drawings

AMP FH CONN REC V 120P (H=16)

 [AMP FH CONN REC V 120P \(H=16\)](#)

English

CAD Files

3D PDF

 [3D_CVM_CVM_5176376-5_O.pdf](#)

3D

Customer View Model

 [ENG_CVM_CVM_5176376-5_O.2d_dxf.zip](#)

English

 [ENG_CVM_CVM_5176376-5_O.3d_igs.zip](#)

English

 [ENG_CVM_CVM_5176376-5_O.3d_stp.zip](#)

English

Product
Specifications

Application Specification

 [ENG_SS_114-13101_L.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 : Yes Number of Rows : 1 PCB Mount Orientation : Vertical Number of Positions : 120
Electrical Characteristics	Operating Voltage (VAC): 250 Insulation Resistance (MΩ): 1
Contact Features	Contact Base Material : Phosphor Bronze PCB Contact Termination Area Plating Material : Tin Contact Shape & Form : Square PCB Contact Termination Area Plating Material Thickness : 1 μm [39.4 μin] Contact Mating Area Plating Material : Gold Contact Mating Area Plating Material Thickness : .3 μm [11.9 μin] Contact Type : Socket Contact Current Rating (Max) (A): 1 Contact Mating Area Length : 3.6 mm [.141 in] Contact Layout : Inline
Termination Features	Termination Post & Tail Length : 3.1 mm [.122 in] Termination Method to Printed Circuit Board : Through Hole - Solder
Mechanical Attachment	Mating Alignment : Without PCB Mount Retention : Without PCB Mount Alignment : Without Connector Mounting Type : Board Mount PCB Mount Alignment Type : Post Polarization
Housing Features	Centerline (Pitch) : 1.27 mm [.05 in] Housing Material : Nylon - GF
Dimensions	Connector Height : 8.5 mm [.334 in] Stack Height : 16 mm [.63 in] PCB Thickness (Recommended) (in): .3
Usage Conditions	Operating Temperature Range : -55 – 85 °C [-67 – 185 °F]
Operation/Application	Circuit Application : Signal
Industry Standards	UL Flammability Rating : UL 94V-0

Packaging Features	Packaging Quantity : 50 Packaging Method : Tray
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)