



**CONNECTORS**

**BOARD-TO-BOARD HEADERS & RECEPTACLES**



✓ Active

TE CONNECTIVITY (TE)

## Champ050 series, 120pos, Au over PdNi

CHAMP | .050 CHAMP Series I

1-1734100-2

TE Internal Number: 1-1734100-2

EU RoHS Compliant

EU ELV Compliant

**Connector Style** Plug

**Connector System** Board-to-Board

**Number of Positions** 120

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

**Packaging Method** Package

[↓ PRODUCT DRAWING](#)  
English

[↓ 3D PDF](#)

### DOCUMENTATION

Product Drawings

#### **PLUG ASSEMBLY, VERTICAL BOARD-TO-BOARD, CHAMP .050, SERIES I**

PDF

**English**

CAD Files

#### **Customer View Model**

3D\_STP.ZIP

**English**

#### **Customer View Model**

2D\_DXF.ZIP

**English**

## 3D PDF

PDF

3D

### Customer View Model

3D\_IGS.ZIP

English

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Product Specifications

Product Specification

### Connector, CHAMP, 050, Board-To-Board, Vertical And Right Angle Mounting

TIF

English

### Connector, CHAMP, 050, Board-To-Board, Vertical And Right Angle Mounting

PDF

English

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## FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

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Product Type Features

**Connector Style** Plug

**Connector System** Board-to-Board

**Connector & Contact Terminates To** Printed Circuit Board

**Row-to-Row Spacing** 1.904 mm [ .0748 in ]

**Series** Series I

**PCB Mounting Orientation** Vertical

**Profile** Standard

**Boss** With

**Product Type** Connector

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Configuration Features

**Stackable** No

**Number of Positions** 120

**Number of Rows** 4

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Electrical Characteristics

**Dielectric Withstanding Voltage (VAC)** 750

**Voltage (VAC)** 250

**Insulation Resistance (MΩ)** 1000

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Body Features

**Retention Leg Plating Material** Tin-Copper over Nickel

**Color** Black

**Retention Leg Material** Brass

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Contact Features

**Solder Tail Contact Plating Material** Tin  
**Solder Tail Contact Plating Material Finish** Matte  
**Contact Shape** Square  
**Contact Mating Area Plating Material** Gold Flash  
**Contact Current Rating (Max) (A)** 1  
**Solder Tail Contact Plating Thickness** 3.81  $\mu\text{m}$  [ 149.9997  $\mu\text{in}$  ]  
**Contact Layout** Matrix  
**Contact Base Material** Phosphor Bronze  
**Contact Type** Pin

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#### Termination Features

**Termination Method to PC Board** Through Hole  
**Termination Post Length** 2.54 mm [ .1 in ]

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#### Mechanical Attachment

**PCB Mount Retention** With  
**PCB Mount Retention Type** Boardlocks  
**PCB Mount Alignment** With  
**PCB Mount Alignment Type** Locating Posts

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#### Housing Features

**Centerline (Pitch)** 1.27 mm [ .05 in ]  
**Housing Material** LCP (Liquid Crystal Polymer)  
**Housing Color** Black

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#### Dimensions

**Tail Length** 2.54 mm [ .099822 in ]  
**PCB Thickness (Recommended)** .8 – 1.6 mm [ .031 – .063 in ]

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#### Usage Conditions

**Operating Temperature Range** -55 – 105  $^{\circ}\text{C}$  [ -67 – 221  $^{\circ}\text{F}$  ]  
**Housing Material Temperature** Standard

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#### Operation/Application

**Assembly Process Feature** None  
**Pick and Place Cover** Without  
**For Use With** Receptacle Assembly

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#### Industry Standards

**UL Flammability Rating** UL 94V-0

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#### Packaging Features

**Packaging Method** Package  
**Packaging Quantity** 54

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## PRODUCT COMPLIANCE



Statement of Compliance

## Statement of Compliance

PDF

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