



## BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

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TE CONNECTIVITY (TE)

### Champ 050 series,plug assembly

CHAMP | .050 CHAMP Series I

1734099-7

TE Internal Number: 1734099-7  
Alias ID: CC7227-000, PER-1734099-7

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **1.27 mm [ .05 in ]**

Stack Height **13.2 mm [ .52 in ]**

Number of Positions **68**

Packaging Method **Tray**

#### Product Drawings

[PLUG ASSEMBLY, R/A, BTB, CHAMP .050, SERIES I](#)

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English

#### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

#### Product Specifications

Product Specification

[Connector, CHAMP, 050, Board-To-Board, Vertical And Right Angle Mounting](#)

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[Connector, CHAMP, 050, Board-To-Board, Vertical And Right Angle Mounting](#)

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#### Product Environmental Compliance

TE Material Declaration

[MD\\_1734099-7\\_092220132322\\_dmtec](#)

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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 Style	<b>Plug</b>
	PCB Mounting Orientation	<b>Right Angle</b>
	Row-to-Row Spacing	<b>1.905 mm [ .0749 in ]</b>
	Profile	<b>Standard</b>
	Applies To	<b>Printed Circuit Board</b>
	Product Type	<b>Connector</b>
	Boss	<b>Without</b>
	Series	<b>Series I</b>
Connector System	<b>Board-to-Board</b>	
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Configuration Features	Number of Positions	<b>68</b>
	Number of Rows	<b>4</b>
	Stackable	<b>No</b>
<hr/>		
Electrical Characteristics	Insulation Resistance (MΩ)	<b>1000</b>
	Dielectric Withstanding Voltage (VAC)	<b>500</b>
	Voltage (VDC)	<b>12</b>
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Body Features	Color	<b>Black</b>
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Contact Features	Contact Mating Area Plating Material	<b>Gold Flash</b>
	Contact Mating Area Plating Thickness	<b>.05 μm [ 1.9685 μin ]</b>
	Contact Shape	<b>Square</b>
	Contact Current Rating (A)	<b>1</b>
	Contact Type	<b>Pin</b>
	Solder Tail Contact Plating Material	<b>Tin</b>
	Contact Layout	<b>Matrix</b>
	Solder Tail Contact Plating Material Finish	<b>Matte</b>
	Solder Tail Contact Plating Thickness	<b>3.81 μm [ 149.9997 μin ]</b>
	Contact Base Material	<b>Phosphor Bronze</b>
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Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>3.1 mm [ .122 in ]</b>
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Mechanical Attachment	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Boardlocks</b>
	PCB Mount Alignment	<b>Without</b>

PCB Mount Alignment	<b>without</b>
Boardlock Material	<b>Brass</b>
Boardlock Plating Material	<b>Tin-Copper over Nickel</b>

Housing Features	Centerline	<b>1.27 mm [ .05 in ]</b>
	Housing Material	<b>LCP (Liquid Crystal Polymer)</b>
	Housing Color	<b>Black</b>

Dimensions	Stack Height	<b>13.2 mm [ .52 in ]</b>
	Tail Length	<b>3.1 mm [ .12183 in ]</b>
	Height	<b>7.5 mm [ .29475 in ]</b>

Usage Conditions	Operating Temperature Range	<b>-35 – 85 °C [ -31 – 185 °F ]</b>
	Housing Material Temperature	<b>Standard</b>

Operation/Application	Pick and Place Cover	<b>Without</b>
	Assembly Process Feature	<b>None</b>
	For Use With	<b>Receptacle Assembly</b>

Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
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Packaging Features	Packaging Method	<b>Tray</b>
	Packaging Quantity	<b>30</b>

Product Compliance

[Statement of Compliance](#)  
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[VIEW ALL PRODUCT COMPLIANCE](#)

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