



# BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## Champ 050 series 100pos,Au over PdNi

CHAMP | .050 CHAMP Series I

1-1734037-0

TE Internal Number: 1-1734037-0

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

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

Number of Positions **100**

Packaging Method **Package**

Contact Mating Area Plating Material **Gold Flash**

### Product Drawings

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

PDF  
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](#)

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

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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 Style

**Receptacle**

PCB Mounting Orientation

**Right Angle**

Sealed Bottom

**Without**

	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>
Configuration Features	Number of Positions	<b>100</b>
	Number of Rows	<b>4</b>
	Stackable	<b>No</b>
Electrical Characteristics	Voltage (VAC)	<b>250</b>
	Insulation Resistance (MΩ)	<b>1000</b>
	Dielectric Withstanding Voltage (VAC)	<b>750</b>
Body Features	Color	<b>Black</b>
Contact Features	Contact Mating Area Plating Material	<b>Gold Flash</b>
	Contact Current Rating (A)	<b>1</b>
	Contact Type	<b>Socket</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>
Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>3.1 mm [ .122 in ]</b>
Mechanical Attachment	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Boardlocks</b>
	PCB Mount Alignment	<b>Without</b>
	Boardlock Material	<b>Brass</b>
	Boardlock Plating Material	<b>Tin</b>
Housing Features	Centerline	<b>1.27 mm [ .05 in ]</b>

Housing Features	Centerline	1.27 mm [.050 in]
	Housing Material	<b>LCP (Liquid Crystal Polymer)</b>
	Housing Color	<b>Black</b>
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Dimensions	Tail Length	<b>3.1 mm [.12183 in]</b>
	Height	<b>7.65 mm [.300645 in]</b>
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Usage Conditions	Operating Temperature Range	<b>-55 – 85 °C [-67 – 185 °F]</b>
	Housing Material Temperature	<b>High</b>
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Operation/Application	Pick and Place Cover	<b>Without</b>
	Assembly Process Feature	<b>None</b>
	For Use With	<b>Plug Assembly</b>
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Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
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Packaging Features	Packaging Method	<b>Package</b>
	Packaging Quantity	<b>21</b>
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Product Compliance	<a href="#">Statement of Compliance</a> PDF	
	<a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	