



BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

Champ 050 series,68pos,Au over PdNi

CHAMP | .050 CHAMP Series I

1734037-7

TE Internal Number: 1734037-7
Alias ID: CC7080-000, PER-1734037-7

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

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

Number of Positions **68**

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
English

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

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_1734037-7_011920162259_dmtec](#)

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 Style	Receptacle
	PCB Mounting Orientation	Right Angle
	Sealed Bottom	Without
	Row-to-Row Spacing	1.905 mm [.0749 in]
	Profile	Standard
	Applies To	Printed Circuit Board
	Product Type	Connector
	Boss	Without
	Series	Series I
Connector System	Board-to-Board	
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Configuration Features	Number of Positions	68
	Number of Rows	4
	Stackable	No
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Electrical Characteristics	Voltage (VAC)	250
	Insulation Resistance (MΩ)	1000
	Dielectric Withstanding Voltage (VAC)	750
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Body Features	Color	Black
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Contact Features	Contact Mating Area Plating Material	Gold Flash
	Contact Current Rating (A)	1
	Contact Type	Socket
	Solder Tail Contact Plating Material	Tin
	Contact Layout	Matrix
	Solder Tail Contact Plating Material Finish	Matte
	Solder Tail Contact Plating Thickness	3.81 μm [149.9997 μin]
	Contact Base Material	Phosphor Bronze
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Termination Features	Termination Method to PC Board	Through Hole
	Termination Post Length	3.1 mm [.122 in]
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Mechanical Attachment	PCB Mount Retention	With
	PCB Mount Retention Type	Boardlocks
	PCB Mount Alignment	Without
	Boardlock Material	Black

Boardlock Material **Brass**

Boardlock Plating Material **Tin**

Housing Features

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

Housing Material **LCP (Liquid Crystal Polymer)**

Housing Color **Black**

Dimensions

Tail Length **3.1 mm [.12183 in]**

Height **7.65 mm [.300645 in]**

Usage Conditions

Operating Temperature Range **-55 – 85 °C [-67 – 185 °F]**

Housing Material Temperature **High**

Operation/Application

Pick and Place Cover **Without**

Assembly Process Feature **None**

For Use With **Plug Assembly**

Industry Standards

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

Packaging Features

Packaging Method **Package**

Packaging Quantity **30**

Product Compliance

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