



BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

Champ 050 series,plug assembly

CHAMP | .050 CHAMP Series I

1734099-6

TE Internal Number: 1734099-6

Always EU RoHS/ELV Compliant

Connector Style **Plug**

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

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

Number of Positions **60**

Packaging Method **Tray**

Product Drawings

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

PDF
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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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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

Plug

PCB Mounting Orientation

Right Angle

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	60
	Number of Rows	4
	Stackable	No
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Electrical Characteristics	Insulation Resistance (M Ω)	1000
	Dielectric Withstanding Voltage (VAC)	500
	Voltage (VDC)	12
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Body Features	Color	Black
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Contact Features	Contact Mating Area Plating Material	Gold Flash
	Contact Mating Area Plating Thickness	.05 μm [1.9685 μin]
	Contact Shape	Square
	Contact Current Rating (A)	1
	Contact Type	Pin
	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	Brass
	Boardlock Plating Material	Tin-Copper over Nickel

Housing Features	Centerline	1.27 mm [.05 in]
	Housing Material	LCP (Liquid Crystal Polymer)
	Housing Color	Black
Dimensions	Stack Height	13.2 mm [.52 in]
	Tail Length	3.1 mm [.12183 in]
	Height	7.5 mm [.29475 in]
Usage Conditions	Operating Temperature Range	-35 – 85 °C [-31 – 185 °F]
	Housing Material Temperature	Standard
Operation/Application	Pick and Place Cover	Without
	Assembly Process Feature	None
	For Use With	Receptacle Assembly
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tray
	Packaging Quantity	30
Product Compliance	<p>Statement of Compliance PDF</p> <p>VIEW ALL PRODUCT COMPLIANCE</p>	