



+ CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)

Champ 050 series,plug assembly

CHAMP | .050 CHAMP Series I

1-1734099-6
TE Internal Number: 1-1734099-6

EU RoHS Compliant
EU ELV Compliant

Connector Style Plug

Connector System Board-to-Board

Number of Positions 160

Centerline (Pitch) 1.27 mm [.05 in]

Stack Height 13.2 mm [.52 in]

↓ PRODUCT DRAWING
English

↓ 3D PDF

DOCUMENTATION

Product Drawings

PLUG 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

FEATURES



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
- Connector System Board-to-Board
- Connector & Contact Terminates To Printed Circuit Board
- Row-to-Row Spacing 1.905 mm [.0749 in]
- Series Series I
- PCB Mounting Orientation Right Angle
- Profile Standard
- Boss Without
- Product Type Connector

Configuration Features

- Stackable No
- Number of Positions 160
- Number of Rows 4

Electrical Characteristics

- Dielectric Withstanding Voltage (VAC) 500
- Voltage (VDC) 12
- Insulation Resistance (MΩ) 1000

Body Features

- Color Black

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 Mating Area Plating Thickness .05 µm [1.9685 µin]
Contact Current Rating (Max) (A) 1
Solder Tail Contact Plating Thickness 3.81 µm [149.9997 µin]
Contact Layout Matrix
Contact Base Material Phosphor Bronze
Contact Type Pin

Termination Features

Termination Method to PC Board Through Hole
Termination Post Length 3.1 mm [.122 in]

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

Dimensions

Stack Height 13.2 mm [.52 in]
Height 7.5 mm [.29475 in]
Tail Length 3.1 mm [.12183 in]

Usage Conditions

Operating Temperature Range -35 – 85 °C [-31 – 185 °F]
Housing Material Temperature Standard

Operation/Application

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

Industry Standards

UL Flammability Rating UL 94V-0

Packaging Features

Packaging Method Tray
Packaging Quantity 10

Statement of Compliance

Statement of Compliance

PDF
