



+ CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)
Champ050 series,160pos,30u" Au
[CHAMP | .050 CHAMP Series I](#)

1-1734101-4
TE Internal Number: 1-1734101-4

- EU RoHS Compliant
- EU ELV Compliant
- Connector Style Receptacle
- Connector System Board-to-Board
- Number of Positions 160
- Centerline (Pitch) 1.27 mm [.05 in]
- Packaging Method Reel

[↓](#) **PRODUCT DRAWING**
English

[↓](#) **3D PDF**

DOCUMENTATION

Product Drawings

RECEPTACLE ASSEMBLY, VERTICAL, BOARD-TO-BOARD, CHAMP .050, SERIES I
PDF
English

CAD Files

Customer View Model
3D_IGS.ZIP
English

Customer View Model
2D_DXF.ZIP
English

3D PDF

PDF

3D

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 Receptacle
- Connector System Board-to-Board
- Connector & Contact Terminates To Printed Circuit Board
- Row-to-Row Spacing 1.904 mm [.0748 in]
- Series Series I
- PCB Mounting Orientation Vertical
- Profile Standard
- Boss With
- Product Type Connector

Configuration Features

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

Electrical Characteristics

- Dielectric Withstanding Voltage (VAC) 750
- Voltage (VAC) 250
- Insulation Resistance (MΩ) 1000

Body Features

- Retention Leg Plating Material Tin-Copper over Nickel
- Color Black
- Retention Leg Material Brass

Contact Features

Solder Tail Contact Plating Material Tin
Solder Tail Contact Plating Material Finish Matte
Contact Mating Area Plating Material Gold Flash
Contact Current Rating (Max) (A) 1
Solder Tail Contact Plating Thickness 3.8 μm [149.606 μin]
Contact Layout Matrix
Contact Base Material Phosphor Bronze
Contact Type Socket

Termination Features

Termination Method to PC Board Through Hole
Termination Post Length 2.54 mm [.1 in]

Mechanical Attachment

PCB Mount Retention With
PCB Mount Retention Type Boardlocks
PCB Mount Alignment With
PCB Mount Alignment Type Locating Posts

Housing Features

Centerline (Pitch) 1.27 mm [.05 in]
Housing Material PPA Resin
Housing Color Black

Dimensions

Height 10 mm [.393 in]
Tail Length 2.54 mm [.099822 in]
PCB Thickness (Recommended) .8 – 1.6 mm [.031 – .063 in]

Usage Conditions

Operating Temperature Range -55 – 85 °C [-67 – 185 °F]
Housing Material Temperature Standard

Operation/Application

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

Industry Standards

UL Flammability Rating UL 94V-0

Packaging Features

Packaging Method Reel
Packaging Quantity 16

Other

Comment Housing bow up to 0.30 [.012] allowed.



Statement of Compliance

Statement of Compliance

PDF