



+ CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)
Champ050 series,30pos,Au over PdNi
[CHAMP | .050 CHAMP Series I](#)

1734100-3
TE Internal Number: 1734100-3

[EU RoHS Compliant](#)
[EU ELV Compliant](#)

Connector Style Plug

Connector System Board-to-Board

Number of Positions 30

Centerline (Pitch) 1.27 mm [.05 in]

Packaging Method Tube

[↓](#) **PRODUCT DRAWING**
English

[↓](#) **3D PDF**

DOCUMENTATION

Product Drawings

PLUG ASSEMBLY, VERTICAL BOARD-TO-BOARD, CHAMP .050, SERIES I

PDF

English

CAD Files

3D PDF

PDF

3D

Customer View Model

3D_IGS.ZIP

English

Customer View Model

3D_STP.ZIP

English

Customer View Model

2D_DXF.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_1734100-3_02222017359_dmtec

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 1.904 mm [.0748 in]
- Series Series I
- PCB Mounting Orientation Vertical
- Profile Standard
- Boss With
- Product Type Connector

Configuration Features

- Stackable No
- Number of Positions 30
- 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 Shape Square
Contact Mating Area Plating Material Gold Flash
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 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 LCP (Liquid Crystal Polymer)
Housing Color Black

Dimensions

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

Usage Conditions

Operating Temperature Range -55 – 105 °C [-67 – 221 °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 Tube
Packaging Quantity 54

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance
PDF

