



+ CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)  
Champ050 series,60pos,Au over PdNi  
[CHAMP | .050 CHAMP Series I](#)

1734101-6  
TE Internal Number: 1734101-6

- EU RoHS Compliant
- EU ELV Compliant
- Connector Style Receptacle
- Connector System Board-to-Board
- Number of Positions 60
- Centerline (Pitch) 1.27 mm [ .05 in ]
- Packaging Method Package

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

DOCUMENTATION

Product Drawings

**RECEPTACLE 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

2D\_DXF.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\_1734101-6\_02162017740\_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 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 60
- 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** 3.4 mm [ .134 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** 3.4 mm [ .13362 in ]  
**PCB Thickness (Recommended)** 2.36 mm [ .093 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 Package  
Packaging Quantity 54

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance  
PDF

