



+ CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)
AMP FH CONN REC V 40P (H=14)
CHAMP | .050 CHAMP Series I

5176374-1
TE Internal Number: 5176374-1

- EU RoHS Compliant
- EU ELV Compliant
- Connector Style Receptacle
- Number of Positions 40
- Centerline (Pitch) 1.27 mm [.05 in]
- Stack Height 14 mm [.551 in]
- Packaging Method Tray

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

DOCUMENTATION

Product Drawings

AMP FH CONNECTOR RECEPTACLE (VERTICAL)
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

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 & Contact Terminates To Printed Circuit Board
- Sealed Bottom Without
- Series FH (Free Height), Free Height (FH)
- PCB Mounting Orientation Vertical
- Boss With
- Product Type Connector

Configuration Features

- Stackable Yes
- Number of Positions 40
- Number of Rows 1

Electrical Characteristics

- Voltage (VAC) 250

Body Features

- Color Black

Contact Features

- Solder Tail Contact Plating Material Tin
- Contact Shape Square
- Contact Mating Area Plating Material Gold
- Contact Mating Area Plating Thickness .3 μm [11.9 μin]
- Contact Current Rating (Max) (A) 1
- Solder Tail Contact Plating Thickness 1 μm [39.4 μin]
- Contact Layout Inline
- Contact Base Material Phosphor Bronze
- Contact Type Socket

Termination Features

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

Mechanical Attachment

PCB Mount Retention Without
PCB Mount Alignment Without
PCB Mount Alignment Type Post Polarization

Housing Features

Centerline (Pitch) 1.27 mm [.05 in]
Housing Material Nylon - GF
Housing Color Black

Dimensions

Stack Height 14 mm [.551 in]
Mating Post Length 3.6 mm [.141 in]
Height 11.5 mm [.452 in]
Tail Length 3.1 mm [.123 in]

Usage Conditions

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

Operation/Application

Pick and Place Cover Without
For Use With Interconnections Requiring Variable Stacking Heights

Industry Standards

UL Flammability Rating UL 94V-0

Packaging Features

Packaging Method Tray
Packaging Quantity 130

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance
PDF