



**CONNECTORS**

**BOARD-TO-BOARD HEADERS & RECEPTACLES**



✓ Active

TE CONNECTIVITY (TE)

## AMP FH CONN REC V 100P (H=14)

CHAMP | .050 CHAMP Series I

5176374-4

TE Internal Number: 5176374-4

EU RoHS Compliant

EU ELV Compliant

**Connector Style** Receptacle

**Number of Positions** 100

**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** 100

**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  $\mu\text{m}$  [ 11.9  $\mu\text{in}$  ]

**Contact Current Rating (Max) (A)** 1

**Solder Tail Contact Plating Thickness** 1  $\mu\text{m}$  [ 39.4  $\mu\text{in}$  ]

**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** 60

---

## PRODUCT COMPLIANCE



Statement of Compliance

**Statement of Compliance**

PDF

---