



+ CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)  
AMP FH CONN REC V 120P (H=12)  
CHAMP | .050 CHAMP Series I

5176372-5  
TE Internal Number: 5176372-5

EU RoHS Compliant  
EU ELV Compliant  
Connector Style Receptacle

Number of Positions 120  
Centerline (Pitch) 1.27 mm [ .05 in ]  
Stack Height 12 mm [ .472 in ]  
Packaging Method Tray

↓ PRODUCT DRAWING  
English

↓ 3D PDF

DOCUMENTATION

Product Drawings

AMP FH CONNECTOR RECEPTACLE (VERTICAL)

PDF (TIFF AVAILABLE)

English

CAD Files

3D PDF

PDF

English

Customer View Model

2D\_DXF.ZIP

English

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 120
- 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** 12 mm [ .472 in ]  
**Mating Post Length** 3.6 mm [ .141 in ]  
**Height** 9.5 mm [ .374 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** 50

PRODUCT COMPLIANCE



Statement of Compliance

**Statement of Compliance**  
PDF