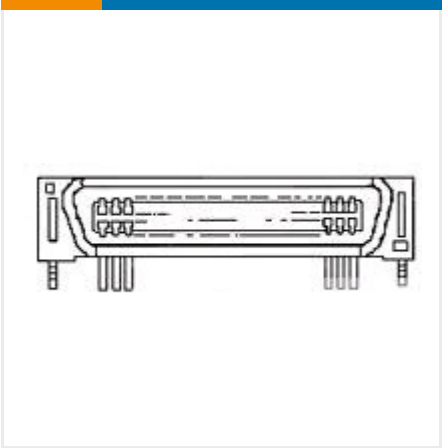




+ CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)  
**PLUG ASS'Y(H) 80P 1.27FHBB**  
CHAMP | .050 CHAMP Series I

5176381-3  
TE Internal Number: 5176381-3

EU RoHS Compliant  
EU ELV Compliant

**Connector Style** Plug  
**Number of Positions** 80  
**Centerline (Pitch)** 1.27 mm [ .05 in ]  
**Packaging Method** Tray  
**Contact Mating Area Plating Material** Gold

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

DOCUMENTATION

Product Drawings

**AMP FH CONNECTOR PLUG WITH RETENTION-LEG (HORIZONTAL)**  
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

Product Specifications

Product Specification

AMP CONNECTOR ,FH CONNECTOR LEAD FREE PRODUCT SPEC

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

Configuration Features

- Stackable No
- Number of Positions 80
- Number of Rows 1

Electrical Characteristics

- Voltage (VAC) 250

Body Features

- Retention Leg Plating Material Tin
- Color Black
- Retention Leg Material Brass

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** Pin

Termination Features

**Termination Method to PC Board** Through Hole

**Termination Post Length** 3.1 mm [ .122 in ]

Mechanical Attachment

**PCB Mount Retention** With

**PCB Mount Retention Type** Boardlocks

**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

**Mating Post Length** 3.64 mm [ .143 in ]

**Height** 16.2 mm [ .637 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** 70

PRODUCT COMPLIANCE



Statement of Compliance

