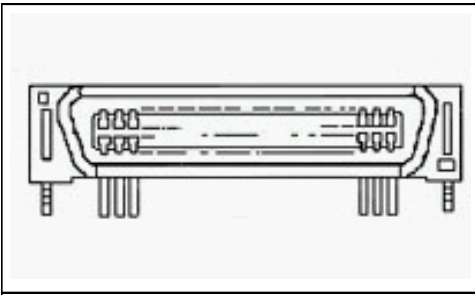


## 5176381 -1 Product Details

**Live Product Chat** US Only  
8:30am - 5pm ET, Mon - Fri



**5176381 -1**

✓ [Active](#)

### 1.27 [.050] Series I, HD, FH and J Connectors

[Always EU RoHS/ELV Compliant](#) ( [Statement of Compliance](#) )

#### Product Highlights:

- ? Connector
- ? Plug
- ? Number of Positions = 40
- ? 1.27 mm Centerline
- ? PCB Mount Style = Thru Hole

[View all Features](#) | [Find Similar Products](#)

#### Quick Links

- [Check Pricing & Availability](#)
- [Search for Tooling](#)
- [Product Feature Selector](#)
- [Contact Us About This Product](#)

### Documentation & Additional Information

#### Product Drawings:

- ? [AMP FH CONNECTOR PLUG WITH RETENTION -LEG \(HORIZONTAL\)](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- ? None Available

#### Product Specifications:

- ? [AMP CONNECTOR ,FH CONNECTOR LEAD FREE PRODUCT SPEC](#) (PDF, English)

#### Application Specifications:

- ? None Available

#### Instruction Sheets:

- ? None Available

#### CAD Files: ( [CAD Format & Compression Information](#) )

- ? [2D Drawing](#) (DXF, Version A)
- ? [3D Model](#) (IGES, Version A)
- ? [3D Model](#) (STEP, Version A)

[List all Documents](#)

#### Additional Information:

- ? [Product Line Information](#)

#### Additional Product Images:

- ? [Mating Configurations](#)

#### Related Products:

- ? [Tooling](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- ? [Product Type](#) = Connector
- ? [Gender](#) = Plug
- ? [Number of Positions](#) = 40
- ? PCB Mount Style = Thru Hole
- ? PCB Retention Feature = Yes
- ? [PCB Mount Angle](#) = Right Angle
- ? [Connector Type](#) = Free Height (FH)
- ? [PCB Polarization](#) = Without
- ? Retention Leg Material = Brass
- ? Color = Black
- ? Used For = Interconnections Requiring Variable Stacking Heights
- ? Sealed Bottom = Without
- ? Product Series = FH (Free Height)

#### Mechanical Attachment:

- ? Retention Leg Plating = Tin

#### Termination Related Features:

- ? [Termination \(Solder\) Post Length \(mm \[in\]\)](#) = 3.10 [0.122]
- ? Solder Tail Contact Plating = Tin

#### Body Related Features:

- ? [Centerline \(mm \[in\]\)](#) = 1.27 [0.050]
- ? [PCB Retention Method](#) = Boardlock(s)

#### Contact Related Features:

- ? [Contact Mating Area Plating](#) = Gold (12)
- ? Contact Material = Phosphor Bronze

#### Housing Related Features:

- ? [Housing Temperature Rating](#) = Standard
- ? Housing Material = Nylon
- ? Housing Flammability Rating = UL 94V -0

#### Industry Standards:

- ? [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- ? [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- ? RoHS/ELV Compliance History = Always was RoHS compliant

#### Operation/Application:

- ? [Application](#) = Standard

#### Other:

- ? Brand = AMP