



# 1658606-1 Product Details



1658606-1



[Active](#)

## Standard Cable Connectors



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

### Product Highlights:

- Connector
- Product Series = HDF-20 (Ribbon Cable)
- Number of Positions = 50
- Receptacle
- With Contacts

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

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## Documentation & Additional Information

### Product Drawings:

- [RECPT ASSY, HDF, FRONT METAL SHELL LEAD-FREE, AMP-LATCH](#) (PDF, English)

### Catalog Pages/Data Sheets:

- None Available

### Product Specifications:

- [Connector, AMPLIMITE HDF-20, Low Profile](#) (PDF, English)

### Application Specifications:

- None Available

### Instruction Sheets:

- [Connector-Specific Kit f/AMP-LATCH 50-Position HDF C...](#) (PDF, English)

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

- [2D Drawing](#) (DXF, Version A1)
- [3D Model](#) (IGES, Version A1)
- [3D Model](#) (STEP, Version A1)

### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)
- [Mating Products \(23\)](#)

[List all Documents](#)

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

**Product Type Features:**

- [Product Type](#) = Connector
- [Product Series](#) = HDF-20 (Ribbon Cable)
- Number of Positions = 50
- [Gender](#) = Receptacle
- [Wire/Cable Type](#) = Ribbon Cable
- [Wire Termination Type](#) = Insulation Displacement Crimp (IDC)
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Threaded Insert, 4-40 UNC
- [Shell Size](#) = 5
- [Shell Type](#) = Front Metal Shell
- [Grounding Indents](#) = Without
- Grade = Standard
- Profile = Low
- Color = Black
- Shell Material = Steel
- Thread Type = Standard
- Threaded Insert Material = Steel
- Cover Material = Thermoplastic
- Comment = All plug assemblies are supplied with housing and cover preassembled

**Termination Related Features:**

- [Solder Tail Contact Plating](#) = Tin over Nickel

**Body Related Features:**

- [Wire Range \(mm<sup>2</sup> \[AWG\]\)](#) = 0.08 - 0.15 [28-26]
- [Cable Insulation Diameter \(mm \[in\]\)](#) = 0.81 – 0.97 [0.032 – 0.038]
- Ribbon Cable Centerline Spacing (mm [in]) = 1.27 [0.050]
- Shell Plating = Bright Tin
- Threaded Insert Plating = Zinc
- Optional Cable Stabilizer = 746785-1
- Strain Relief Part Number = 746785-1

**Contact Related Features:**

- [Contacts](#) = With
- [Contact Mating Area Plating](#) = Gold (30)
- [Contact Size](#) = 20
- Contact Material = Phosphor Bronze

**Housing Related Features:**

- Housing Material = Thermoplastic
- Housing Flammability Rating = UL 94V-0

**Industry Standards:**

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

**Other:**

- Brand = AMP