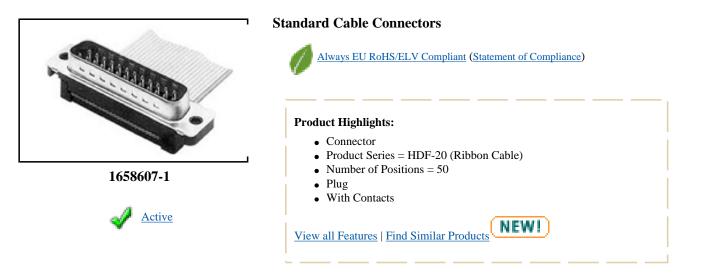
1658607-1 Product Details



Documentation & Additional Information

Product Drawings:

• PLUG ASSY, 50 POS, LOW PROFILE HDF, FRONT METAL SHEL ... (PDF, English)

Catalog Pages/Data Sheets:

• None Available

Product Specifications:

• Connector, AMPLIMITE HDF-20, Low Profile (PDF, English)

Application Specifications:

None Available

Instruction Sheets:

• <u>Connector-Specific Kit f/AMP-LATCH 50-Position HDF C...</u> (PDF, English)

CAD Files: (CAD Format & Compression Information)

- <u>2D Drawing</u> (DXF, Version A1)
- <u>3D Model</u> (IGES, Version A1)
- <u>3D Model</u> (STEP, Version A1)

Additional Information:

Product Line Information

Related Products:

- <u>Tooling</u>
- Mating Products (27)

List all Documents

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

Product Type Features:

- <u>Product Type</u> = Connector
- Product Series = HDF-20 (Ribbon Cable)
- Number of Positions = 50
- <u>Gender</u> = Plug
- <u>Wire/Cable Type</u> = Ribbon Cable
- <u>Wire Termination Type</u> = Insulation Displacement Crimp (IDC)
- <u>Mating Connector Lock</u> = With
- Mating Connector Lock Type = Threaded Insert, 4-40 UNC
- <u>Shell Size</u> = 5
- <u>Shell Type</u> = Front Metal Shell
- <u>Grounding Indents</u> = With
- Grade = Standard
- Profile = Low
- Color = Black
- Shell Material = Steel
- Thread Type = Standard
- Threaded Insert Material = Steel
- Comment = All plug assemblies are supplied with housing and cover preassembled
- **Termination Related Features:**
 - Solder Tail Contact Plating = Tin over Nickel

Body Related Features:

- <u>Wire Range (mm² [AWG])</u> = 0.08 0.15 [28-26]
- <u>Cable Insulation Diameter (mm [in])</u> = 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

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Contact Related Features:

- $\underline{Contacts} = With$
- <u>Contact Mating Area Plating</u> = Gold Flash over Palladium Nickel or Gold (30) over Nickel
- <u>Contact Size</u> = 20
- Contact Material = Phosphor Bronze

Housing Related Features:

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

Industry Standards:

- <u>RoHS/ELV Compliance</u> = 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