

## 1658608-3 Product Details



**1658608-3**

TE Internal Number: 1658608-3



[Active](#)



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### Standard Cable Connectors

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

#### Product Highlights:

- Connector
- Product Series = HDF-20 (Ribbon Cable)
- 15 Positions
- Without Enclosure
- Connector Style = Plug

[View all Features](#)

### Documentation & Additional Information

#### Product Drawings:

- [PLUG ASSEMBLY, FRONT METAL SHELL, THREADED INSERTS,...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [AMPLIMITE Subminiature D Connectors - Cable Connectors](#) (PDF, English)

#### Product Specifications:

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

#### Application Specifications:

- None Available

#### Instruction Sheets:

- [Connector-Specific Kit 768349-1 for AMP-LATCH HDF Lo...](#) (PDF, English)

#### 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:

- [Panel Mount Cutout Dimensions](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(87\)](#)

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

#### Product Type Features:

- [Product Type](#) = Connector
- [Product Series](#) = HDF-20 (Ribbon Cable)
- [Wire/Cable Type](#) = Ribbon Cable
- [Termination Method to Wire/Cable](#) = Insulation Displacement Crimp (IDC)
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Threaded Insert, 4-40 UNC
- [Shell Size](#) = 2
- [Shell Type](#) = Front Metal Shell
- [Grounding Indents](#) = With
- Grade = Standard
- Profile = Low
- Color = Black
- Shell Material = Steel
- Thread Type = Standard
- Threaded Insert Material = Brass
- Cover Material = Thermoplastic

#### Termination Related Features:

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

#### Body Related Features:

- [Number of Positions](#) = 15

#### Contact Related Features:

- [Preloaded](#) = Yes
- Contact Type = Pin
- [Contact Base Material](#) = Phosphor Bronze
- [Contact Plating, Mating Area, Material](#) = Gold Flash over Palladium Nickel or Gold (30) over Nickel
- [Contact Size](#) = 20

#### Housing Related Features:

- Enclosure = Without
- Connector Style = Plug
- Housing Material = Thermoplastic - GF
- UL 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
- Comment = All plug assemblies are supplied with housing and cover preassembled

- Number of Positions = 15
- [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 = None
- Optional Cable Stabilizer = 747275-3
- Strain Relief Part Number = 747275-3