

# 5745959-1 Product Details



5745959-1



[Active](#)

## Standard Board Mount Connectors



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

### Product Highlights:

- Number of Positions = 25
- Plug
- PCB Mount Angle = Vertical
- Product Series = HDP-20
- With Mating Connector Lock

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

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## Documentation & Additional Information

### Product Drawings:

- [PLUG ASSEMBLY, SIZE 3, 25 POSN, VERTICAL, .025 SQ. P...](#) (PDF, English)

### Catalog Pages/Data Sheets:

- None Available

### Product Specifications:

- [AMPLIMITE HD-20 PCB Mounted Connector](#) (PDF, English)

### Application Specifications:

- [AMPLIMITE HD-20 Straight Solder Contact Tine, Front ...](#) (PDF, English)

### Instruction Sheets:

- None Available

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

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

### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)
- [Mating Products \(10\)](#)

[List all Documents](#)

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

**Product Type Features:**

- [Number of Positions](#) = 25
- [Gender](#) = Plug
- [PCB Mount Angle](#) = Vertical
- [Product Series](#) = HDP-20
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Clinch Nut, 4-40 UNC
- [PCB Retention Feature](#) = Yes
- [Shell Type](#) = Full Metal
- [Shell Size](#) = 3
- [PCB Thickness \(in \[mm\]\)](#) = 0.062 – 0.093 [1.57 – 2.36]
- [Grounding Indents](#) = With
- [Grounding Straps](#) = Without
- [PCB Mount Style](#) = Thru Hole
- [Color Code](#) = None
- Sealed = No
- Profile = Standard
- Post Size (mm [in]) = 0.64 [.025]
- Mounting Hole Diameter (mm [in]) = 3.05 [.120]
- Shell Material = Steel
- Clinch Nuts Material = Steel

**Mechanical Attachment:**

- [Panel Attachment](#) = Without

**Termination Related Features:**

- [Grounding Clips](#) = Without
- [Termination \(Solder\) Post Length \(mm \[in\]\)](#) = 3.18 [0.125]
- [Solder Tail Contact Plating](#) = Tin over Nickel

**Body Related Features:**

- [PCB Retention Method](#) = Mounting Holes
- Shell Plating = Tin
- Clinch Nuts Plating = Zinc

**Contact Related Features:**

- [Contact Mating Area Plating](#) = Gold (30)
- Contact Shape = Square
- Contact Material = Brass

**Housing Related Features:**

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

**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

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