

5745413-1 Product Details



5745413-1



[Active](#)

Standard Board Mount Connectors



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

Product Highlights:

- Number of Positions = 37
- Plug
- PCB Mount Angle = Vertical
- Product Series = HD 20
- Without Mating Connector Lock

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Documentation & Additional Information

Product Drawings:

- [PLUG ASSEMBLY, SIZE 4, 37 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 \(4\)](#)

[List all Documents](#)

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

Product Type Features:

- [Number of Positions](#) = 37
- [Gender](#) = Plug
- [PCB Mount Angle](#) = Vertical
- [Product Series](#) = HD 20
- [Mating Connector Lock](#) = Without
- [PCB Retention Feature](#) = No
- [Shell Type](#) = Full Metal
- [Shell Size](#) = 4
- [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 = High
- Post Size (mm [in]) = 0.64 [.025]
- Mounting Hole Diameter (mm [in]) = 3.05 [.120]
- Shell Material = Steel
- Comment = Plugs are preloaded with size 20 DF posted pin contacts

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:

- Insert Flammability Rating = UL 94V-0
- Insert Material = Thermoplastic
- Shell Plating = Tin

Contact Related Features:

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

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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