

## 1-5747301-6 Product Details



**1-5747301-6**

TE Internal Number: 1-5747301-6



[Active](#)



[View 3D PDF](#)

### Standard Board Mount Connectors

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

#### Product Highlights:

- 37 Positions
- Connector Style = Receptacle
- PCB Mounting Orientation = Vertical
- Product Series = HD 20
- With Mating Connector Lock

[View all Features](#)

### Documentation & Additional Information

#### Product Drawings:

- [RECEPTACLE ASSEMBLY, SIZE 4, 37 POSN, VERTICAL, FRON...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [AMPLIMITE Subminiature D Connectors - Straight Poste...](#) (PDF, English)

#### 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 A)
- [3D Model](#) (IGES, Version A)
- [3D Model](#) (STEP, Version A)

#### Additional Information:

- [Product Line Information](#)

#### Additional Product Images:

- [Product Photo](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(6\)](#)

[List all Documents](#)

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

#### Product Type Features:

- [PCB Mounting Orientation](#) = Vertical
- [Product Series](#) = HD 20
- [Mating Connector Lock](#) = With
- Mating Connector Lock Type = Female Screwlocks, Fixed
- [PCB Mount Retention](#) = With
- [Shell Type](#) = Front Metal Shell
- [Shell Size](#) = 4
- [Grounding Indents](#) = Without
- [Grounding Straps](#) = Without
- [PCB Mount Style](#) = Through Hole
- [Color Code](#) = None
- Sealed = No
- Profile = Standard
- Post Size (mm [in]) = 0.66 [.026]
- Mounting Hole Diameter (mm [in]) = 3.07 [.121]
- Shell Material = Steel

#### Mechanical Attachment:

- [Panel Mount Retention](#) = Without
- Female Screwlock Material = Zinc

#### Termination Related Features:

- [Grounding Clips](#) = Without

#### Body Related Features:

- [Number of Positions](#) = 37
- [PCB Mount Retention Type](#) = Mounting Holes
- Shell Plating = Tin

#### Contact Related Features:

- [Contact Plating, Mating Area, Material](#) = Gold (30)
- Contact Shape = Round
- Contact Base Material = Phosphor Bronze

#### Housing Related Features:

- Connector Style = Receptacle
- UL Flammability Rating = UL 94V-0
- Housing Material = Thermoplastic - GF

#### 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

#### Conditions for Usage:

- [PCB Thickness, Recommended \(in \[mm\]\)](#) = 0.093 - 0.125 [2.36 - 3.18]

- [Termination Post Length \(mm \[in\]\)](#) = 4.32 [0.170]
- [Solder Tail Contact Plating](#) = Tin over Nickel

**Operation/Application:**

- Application = Standard

**Other:**

- Brand = AMP
- Comment = All receptacles are preloaded with size 20 DF posted socket contacts