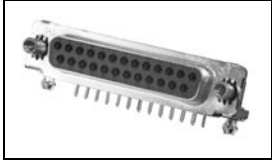


747847-6 Product Details



747847-6

TE Internal Number: 747847-6

 [Active](#)

 [View 3D PDF](#)

Standard Board Mount Connectors

[Not EU RoHS or ELV Compliant \(Find RoHS Compliant Alternates\)](#)

Product Highlights:

- 37 Positions
- Receptacle
- PCB Mount Angle = Right Angle
- Product Series = HD 20
- With Mating Connector Lock

[View all Features](#)

Documentation & Additional Information

Product Drawings:

- [RECEPTACLE ASSEMBLY, SIZE 4, 37 POSITION, RIGHT ANGL...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [AMPLIMITE SUBMINATURE D TYPE CONNECTORS](#) (PDF, English)
- [PERSONAL SYSTEMS PRODUCTS](#) (PDF, English)

Product Specifications:

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

Application Specifications:

- [AMPLIMITE Right-Angle Front Metal Shell Connectors](#) (PDF, English)

Instruction Sheets:

- None Available

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

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

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Additional Product Images:

- [Product Photo](#)

Related Products:

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

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

Product Type Features:

- [Number of Positions](#) = 37
- [Gender](#) = Receptacle
- [PCB Mount Angle](#) = Right Angle
- [Product Series](#) = HD 20
- [Mating Connector Lock](#) = With
- Mating Connector Lock Type = Female Screwlocks, Fixed
- [PCB Retention Feature](#) = Yes
- [Shell Type](#) = Front Metal Shell
- [Shell Size](#) = 4
- [Footprint \(mm \[in\]\)](#) = 8.08 [.318]
- [PCB Thickness \(in \[mm\]\)](#) = 0.062 [1.57]
- [Grounding Indents](#) = Without
- [Grounding Straps](#) = With
- [PCB Mount Style](#) = Through Hole
- [Color Code](#) = None

Termination Related Features:

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

Body Related Features:

- [PCB Retention Method](#) = Boardlock(s)
- Shell Plating = Tin
- Eyelet Plating = Tin

Contact Related Features:

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

Housing Related Features:

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

- Sealed = No
- Profile = Standard
- Post Size (mm [in]) = 0.66 [.026]
- Mounting Hole Diameter (mm [in]) = 3.18 [.125]
- Shell Material = Steel
- Eyelet Material = Brass
- Comment = All receptacles are preloaded with size 20 DF posted socket contacts

Mechanical Attachment:

- [Panel Attachment](#) = Without
- Boardlock Material = Copper Alloy
- Boardlock Plating = Tin-Lead
- Female Screwlock Material = Zinc
- Female Screwlock Plating = Clear Chromate

● Housing Material = Thermoplastic

Industry Standards:

- [RoHS/ELV Compliance](#) = Not ELV/RoHS compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C

Other:

- Brand = AMP