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## 747840-6 Product Details

**747840-6**

TE Internal Number: 747840-6



Active

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### Standard Board Mount Connectors

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

#### Product Highlights:

- 9 Positions
- Plug
- PCB Mount Angle = Right Angle
- Product Series = HD 20
- With Mating Connector Lock

[View all Features](#)

### Quick Links

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### Documentation & Additional Information

#### Product Drawings:

- [PLUG ASSEMBLY, SIZE 1, 9 POSITION, RIGHT ANGLE, FRON...](#) (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)

#### Additional Information:

- [Product Line Information](#)

#### Additional Product Images:

- [Product Photo](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(9\)](#)

[List all Documents](#)

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

#### Product Type Features:

- [Number of Positions](#) = 9
- [Gender](#) = Plug
- [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](#) = 1
- [Footprint \(mm \[in\]\)](#) = 8.08 [.318]
- [PCB Thickness \(in \[mm\]\)](#) = 0.062 [1.57]
- [Grounding Indents](#) = With
- [Grounding Straps](#) = With
- [PCB Mount Style](#) = Through Hole
- [Color Code](#) = None
- Sealed = No
- Profile = Standard
- Post Size (mm [in]) = 0.66 [.026]
- Mounting Hole Diameter (mm [in]) = 3.18 [.125]
- Shell Material = Steel
- Eyelet Material = Brass
- Comment = Plugs are preloaded with size 20 DF posted pin contacts

#### Mechanical Attachment:

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

#### 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 over Copper Flash

#### Contact Related Features:

- [Contact Plating, Mating Area, Material](#) = Gold (30), Gold Flash over Palladium Nickel
- Contact Shape = Round
- Contact Base Material = Brass

#### Housing Related Features:

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

#### 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