

## 6-747840-9 Product Details

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6-747840-9

TE Internal Number: 6-747840-9  
Active

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### Standard Board Mount Connectors

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

**Product Highlights:**

- 9 Positions
- Connector Style = Plug
- PCB Mounting Orientation = 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:**

- None Available

**Product Specifications:**

- None Available

**Application Specifications:**

- None Available

**Instruction Sheets:**

- None Available

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

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

[List all Documents](#)

**Additional Information:**

- [Product Line Information](#)

**Related Products:**

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

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

**Product Type Features:**

- [PCB Mounting Orientation](#) = Right Angle
- [Product Series](#) = HD 20
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Threaded Insert, 4-40 UNC
- [PCB Mount Retention](#) = With
- [Shell Type](#) = Front Metal Shell
- [Shell Size](#) = 1
- [Footprint \(mm \[in\]\)](#) = 8.08 [.318]
- [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
- Threaded Insert Material = Zinc
- Eyelet Material = Brass

**Mechanical Attachment:**

- [Panel Mount Retention](#) = Without
- Boardlock Material = Copper Alloy
- Boardlock Plating = Tin over Nickel

**Termination Features:**

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

**Body Features:**

- [Number of Positions](#) = 9
- [PCB Mount Retention Type](#) = Boardlock(s)
- Shell Plating = Tin
- Threaded Insert Plating = Clear Chromate
- Eyelet Plating = Tin over Copper Flash

**Contact Features:**

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

**Housing Features:**

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

**Industry Standards:**

- [RoHS/ELV Compliance](#) = ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was ELV compliant

**Conditions for Usage:**

- [PCB Thickness, Recommended \(in \[mm\]\)](#) = 0.062 [1.57]

**Other:**

- Brand = AMP
- Comment = Plugs are preloaded with size 20 DF posted pin contacts

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