



**5787170-7**

TE Internal Number: 5787170-7

 [Active](#)

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**.050 Series Board Mount Connectors**

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

**Product Highlights:**

- Connector
- Connector Type = Receptacle
- Number of Positions = 68
- PCB Mount Angle = Right Angle
- Through Hole Contact Termination Type

[View all Features](#)

**Documentation & Additional Information**

**Product Drawings:**

- [RECEPTACLE ASSEMBLY, SHIELDED, RIGHT ANGLE, .050 SER...](#) (PDF, English)

**Catalog Pages/Data Sheets:**

- [AMPLIMITE Subminiature D Connectors - .050 Series Co...](#) (PDF, English)

**Product Specifications:**

- [Connector, AMPLIMITE, Shielded, .050 Series](#) (PDF, English)

**Application Specifications:**

- [AMPLIMITE .050 Series Insulation Displacement and Pr...](#) (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](#)

[List all Documents](#)

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

**Product Type Features:**

- [Product Type](#) = Connector
- Connector Type = Receptacle
- [Number of Positions](#) = 68
- PCB Mount Angle = Right Angle
- [PCB Mount Polarization](#) = Without
- [Shielded](#) = Yes
- [Shell Type](#) = Full Metal
- [Product Series](#) = Series III
- Shell Material = Steel
- Bracket Material = Zinc
- PCB Thickness (mm [in]) = 1.57 [0.062]
- Comment = Female screwlocks must be used to mate with cable assemblies with male jackscrew hardware.

**Mechanical Attachment:**

- Mating Retention = Without
- Mating Alignment = Without
- Bracket Plating = Nickel over Copper
- Boardlock Material = Copper Alloy
- Boardlock Plating = Tin over Nickel

**Termination Related Features:**

- [Termination Post Length \(mm \[in\]\)](#) = 2.54 [0.100]
- Termination Method = Through Hole

**Body Related Features:**

- Centerline (mm [in]) = 1.27 [0.050]
- Post Plating = Tin over Nickel
- Shell Plating = Bright Tin

**Contact Related Features:**

- [Contact Termination Type](#) = Through Hole
- [Contact Mating Area Plating Material](#) = Gold (30), Gold Flash over Palladium Nickel
- Contact Base Material = Phosphor Bronze

**Housing Related Features:**

- Housing Material = Thermoplastic
- Housing Flammability Rating = UL 94V-0
- Housing Color = Black

**Configuration Related Features:**

- PCB Mount Retention = With
- PCB Mount Retention Type = Boardlock(s)

**Industry Standards:**

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- RoHS/ELV Compliance History = Always was RoHS compliant

**Conditions for Usage:**

- Terminate To = Printed Circuit Board

**Other:**

- Brand = AMP