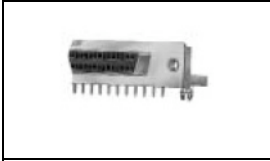


5787170-7 Product Details



5787170-7

TE Internal Number: 5787170-7



Active

[View 3D PDF](#)

.050 Series Board Mount Connectors

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

Product Highlights:

- Connector
- Connector Style = Receptacle
- 68 Positions
- PCB Mounting Orientation = Right Angle
- Termination Method to PC Board = Through Hole - Solder

[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)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(7\)](#)

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

Product Type Features:

- [Product Type](#) = Connector
- PCB Mounting Orientation = Right Angle
- Termination Method to PC Board = Through Hole - Solder
- PCB Mount Retention = With
- [PCB Mount Alignment](#) = Without
- [Shell Type](#) = Full Metal
- [Product Series](#) = Series III
- Shell Material = Steel
- Bracket Material = Zinc

Mechanical Attachment:

- Bracket Plating = Nickel over Copper
- Boardlock Material = Copper Alloy
- Boardlock Plating = Tin over Nickel

Electrical Characteristics:

- [Shielded](#) = Yes

Termination Related Features:

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

Body Related Features:

- [Number of Positions](#) = 68

Contact Related Features:

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

Housing Related Features:

- Connector Style = Receptacle
- Mating Alignment = Without
- Housing Material = Thermoplastic - GF
- UL Flammability Rating = UL 94V-0
- Housing Color = Black

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:

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

Other:

- Brand = AMP
- Comment = Female screwlocks must be used to mate with cable assemblies with male jackscrew hardware.

- PCB Mount Retention Type = Boardlock(s)
- Mating Retention = Without
- Centerline (mm [in]) = 1.27 [0.050]
- Post Plating = Tin over Nickel
- Shell Plating = Bright Tin