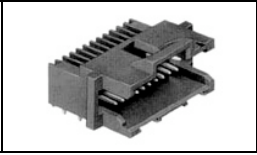


## 5-104069-1 Product Details



**5-104069-1**

TE Internal Number: 5-104069-1

 [Active](#)

 [View 3D PDF](#)

### .050 X .100 AMPMODU System 50 (PCB)

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

#### Product Highlights:

- Header
- Connector Style = Plug
- 20 Positions
- Number of Rows = Dual
- Shrouded

#### Documentation & Additional Information

##### Product Drawings:

- [HEADER ASSEMBLY, RIGHT ANGLE, DOUBLE ROW, W/SIDE & E...](#) (PDF, English)

##### Catalog Pages/Data Sheets:

- [AMPMODU INTERCONNECTION SYSTEM SECTION3AND4](#) (PDF, English)
- [Ribbon Cable Interconnect Solutions](#) (PDF, English)

##### Product Specifications:

- None Available

##### Application Specifications:

- [AMPMODU System 50 PC Board Thru-Hole Connectors](#) (PDF, English)

##### Instruction Sheets:

- None Available

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

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

[List all Documents](#)

##### Additional Information:

- [Product Line Information](#)

##### Additional Product Images:

- [Product Photo](#)

##### Related Products:

- [Tooling](#)
- [Mating Products \(4\)](#)

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

##### Product Type Features:

- Connector Type = Header
- [Shrouded](#) = Yes
- [Mount Angle](#) = Right Angle
- [PCB Mount Style](#) = Through Hole
- [PCB Mount Retention](#) = With
- Comment = Note 1: Hold down posts located as shown for 16 through 100 position headers.; Note 2: Hold down posts located as shown for 8 through 12 and 60 through 100 position headers.; \*\*Position identification feature omitted on 8, 10 and 12 position headers.

##### Electrical Characteristics:

- Voltage (VAC) = 30
- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 500

##### Termination Related Features:

- [Termination Post Length \(mm \[in\]\)](#) = 2.54 [0.100]
- Solder Tail Contact Plating = Tin over Nickel

##### Body Related Features:

- [Number of Positions](#) = 20
- [Number of Rows](#) = Dual
- [PCB Mount Retention Type](#) = Hold Down Post(s)

##### Contact Related Features:

- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Gold (30)

##### Housing Related Features:

- [Connector Style](#) = Plug
- 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](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C, Reflow solder capable to 245°C, Reflow solder capable to 260°C, Pin-in-Paste capable to 245°C, Pin-in-Paste capable to 260°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved Standards = UL E28476, CSA LR7189

##### Conditions for Usage:

- Temperature Range (°C) = -65 - +105

##### Packaging Related Features:

- [Packaging Method](#) = Tube

##### Other:

- Brand = AMP