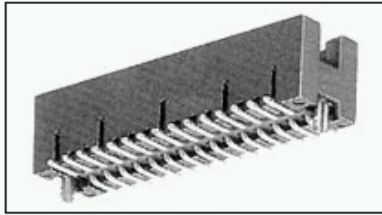


# 1-104655-1 Product Details

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1-104655-1

TE Internal Number: 1-104655-1

 Active

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## .050 Inch AMPMODU 50/50 Grid

 [5 of 6 EU RoHS/ELV Compliant \(Find RoHS Compliant Alternates/Statement of Compliance\)](#)

### Product Highlights:

- Header
- Connector Style = Plug
- 100 Positions
- Vertical Mount Angle
- With PCB Mount Retention

[View all Features](#)

### Quick Links

- ▶ [Check Pricing & Availability](#)
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## Documentation & Additional Information

### Product Drawings:

- [HEADER ASSEMBLY, SURFACE MOUNT, AMPMODU 50/50 GRID \(...\)](#) (PDF, English)

### Catalog Pages/Data Sheets:

- None Available

### Product Specifications:

- [AMPMODU\\* 50/50 Grid Connector System](#) (PDF, English)

### Application Specifications:

- [AMPMODU 50/50 Grid Connectors for SMT PC Board and I...](#) (PDF, English)

### Instruction Sheets:

- None Available

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

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

### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)
- [Mating Products \(5\)](#)

[List all Documents](#)

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

### Product Type Features:

- Connector Type = Header
- [Mount Angle](#) = Vertical
- [PCB Mount Retention](#) = With
- [Mating Connector Lock](#) = Without
- Hold-Down Post Material = Copper Alloy

### Mechanical Attachment:

- Hold-Down Post Plating = Tin-Lead (150) over Nickel (50)

### Electrical Characteristics:

- Insulation Resistance (MΩ) = 5,000
- Voltage (VAC) = 30
- Dielectric Withstanding Voltage (V) = 300
- Contact - Rated Current (A) = 1 - 4

### Termination Features:

- Solder Tail Contact Plating = Tin-Lead (150)

### Dimensions:

- [Mated Stack Height \(Vertical\) \(mm \[in\]\)](#) = 6.35 [0.250]

### Body Features:

- [Number of Positions](#) = 100
- [PCB Mount Retention Type](#) = Hold Down Post(s)

### Contact Features:

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

### Housing Features:

- Connector Style = Plug
- [Mating Alignment](#) = With
- Mating Alignment Type = Keyed
- Housing Material = Liquid Crystal Polymer (LCP)
- UL Flammability Rating = UL 94V-0
- Housing Color = Black

### Industry Standards:

- [RoHS/ELV Compliance](#) = ELV compliant, 5 of 6 Compliant
- [Lead Free Solder Processes](#) = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- Approved Standards = UL E28476, CSA LR7189

### Conditions for Usage:

- Temperature Range (°C) = -65 - +105

### Packaging Features:

- Packaging Method = Tube

### Other:

- Brand = AMP

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