



# 102973-1 Product Details

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**102973-1**

TE Internal Number: 102973-1

Active

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## .100 inch AMPMODU Headers

5 of 6 EU RoHS/ELV Compliant (Find RoHS Compliant Alternates/Statement of Compliance)

### Product Highlights:

- Connector
- Header Type = Breakaway
- 2 Positions
- Mating Post Length = 8.08 mm
- 2.54 mm Centerline

[View all Features](#)

### Quick Links

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## Documentation & Additional Information

**Product Drawings:**

- [HEADER ASSY, MOD II, BREAKAWAY, DOUBLE ROW, .100X.10...](#) (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 \(DXF, Version F\)](#)
- [3D Model \(IGES, Version F\)](#)
- [3D Model \(STEP, Version F\)](#)

[List all Documents](#)

**Additional Information:**

- [Product Line Information](#)

**Related Products:**

- [Tooling](#)

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

**Product Type Features:**

- Product Type = Connector
- Mount Angle = Vertical
- PCB Mount Retention = Without
- Surface Mount Compatible = No
- Board Standoff = Without
- Mating Connector Lock = Without
- Post Size (mm [in]) = 0.64 [.025]

**Mechanical Attachment:**

- Mounting Ears = Without
- Panel Mount Retention = Without

**Electrical Characteristics:**

- Current Rating (A) = 3
- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 750

**Termination Features:**

- Termination Post Length (mm [in]) = 3.18 [0.125]
- Solder Tail Contact Plating = Tin-Lead over Nickel

**Dimensions:**

- Mating Post Length (mm [in]) = 8.08 [0.318]

**Body Features:**

- Header Type = Breakaway
- Number of Positions = 2
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]
- Number of Rows = 2
- Selectively Loaded = No
- Mount Type = Printed Circuit Board

**Contact Features:**

- Contact Plating, Mating Area, Material = Gold (15)
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

**Housing Features:**

- Centerline (mm [in]) = 2.54 [0.100]
- Housing Material = Thermoplastic - GF
- UL Flammability Rating = UL 94V-0

**Industry Standards:**

- RoHS/ELV Compliance = ELV compliant, 5 of 6 Compliant
- Lead Free Solder Processes = Wave solder capable to 240°C
- Approved Standards = UL E28476, CSA LR7189

**Environmental:**

- Operating Temperature (°C) = -65 - +105

**Conditions for Usage:**

- High Temperature Housing = No

**Operation/Application:**

- High Speed Serial Data Connector = No

**Other:**

- Brand = AMP
- Comment = Headers may be broken to desired number of positions using Hand Tool No. 91406-1, or Tool Kit No. 314818-1. Other tail lengths are available, consult Tyco Electronics.

