

# 102973-9 Product Details

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**102973-9**

TE Internal Number: 102973-9  
✔ Active

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## .100 inch AMPMODU Headers

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

- Product Highlights:**
- Connector
  - Header Type = Breakaway
  - 18 Positions
  - Mating Post Length = 8.08 mm
  - 2.54 mm Centerline
- [View all Features](#)

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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 \(STEP, Version F\)](#)

- Additional Information:**
- [Product Line Information](#)
- Related Products:**
- [Tooling](#)

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### 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 [0.025]
- 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 = 18
  - 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.

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