

## 1-102973-1 Product Details

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1-102973-1

TE Internal Number: 1-102973-1

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
- 22 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
- [Mounting Ears](#) = Without
- [Mating Connector Lock](#) = Without
- Post Size (mm [in]) = 0.64 [.025]
- 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.

##### Mechanical Attachment:

- [Mating Post Length](#) (mm [in]) = 8.08 [0.318]
- [Panel Attachment](#) = Without

##### Electrical Characteristics:

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

##### Termination Related Features:

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

##### Body Related Features:

- [Header Type](#) = Breakaway
- [Number of Positions](#) = 22
- Centerline (mm [in]) = 2.54 [0.100]
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]
- [Number of Rows](#) = 2
- [Selectively Loaded](#) = No
- [Mount Type](#) = Printed Circuit Board

##### Contact Related Features:

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

##### Housing Related Features:

- 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

##### Conditions for Usage:

- [High Temperature Housing](#) = No
- Operating Temperature (°C) = -65 - +105

##### Operation/Application:

- [High Speed Serial Data Connector](#) = No

##### Other:

- Brand = AMP

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