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# 5-146257-8 Product Details

 **Live Product Chat** US Only  
8:30am - 5pm ET, Mon - Fri



5-146257-8



[Active](#)

### .100 inch AMPMODU Headers



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

#### Product Highlights:

- Header
- Header Type = Breakaway
- Number of Rows = Dual
- Number of Positions = 16
- Mating Post Length = 5.84 mm

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#### Documentation & Additional Information

**Product Drawings:**

- [HEADER ASSEMBLY, MOD II, BREAKAWAY, DOUBLE ROW, HL...](#) (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 M)
- [3D Model](#) (IGES, Version M)
- [3D Model](#) (STEP, Version M)

**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](#) = Header
- [Number of Positions](#) = 16
- [Mount Angle](#) = Vertical
- [PCB Retention Feature](#) = No
- [Surface Mount Compatible](#) = Yes
- [Board Standoff](#) = With
- [Mounting Ears](#) = Without
- [Mating Connector Lock](#) = Without
- Post Size (mm [in]) = 0.64 [.025]

**Mechanical Attachment:**

- Mating Post Length (mm [in]) = 5.84 [0.230]
- [Panel Attachment](#) = Without

**Electrical Characteristics:**

- Current Rating (Amps.) = 3
- Insulation Resistance (M $\bullet$ ) = 5,000
- Dielectric Withstanding Voltage (V) = 750

**Termination Related Features:**

- [Termination \(Solder\) Post Length \(mm \[in\]\)](#) = 3.05 [0.120]
- Solder Tail Contact Plating = Tin over Nickel, Matte Tin over Nickel

**Body Related Features:**

- [Header Type](#) = Breakaway
- [Number of Rows](#) = Dual
- [Centerline, Matrix \(mm \[in\]\)](#) = 2.54 x 2.54 [.100 x .100]
- [Selectively Loaded](#) = No
- [Mount Type](#) = PC Board

**Contact Related Features:**

- [Contact Mating Area Plating Material](#) = Gold (30)
- Contact Shape = Square
- Contact Material = Phosphor Bronze
- Approved Standards = UL E28476, CSA LR7189

**Housing Related Features:**

- Housing Material = Thermoplastic
- Housing Flammability Rating = UL 94V-0

**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

**Conditions for Usage:**

- [High Temperature Housing](#) = Yes
- Operating Temperature (°C) = -65 – +105

**Operation/Application:**

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

**Other:**

- Brand = AMP

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