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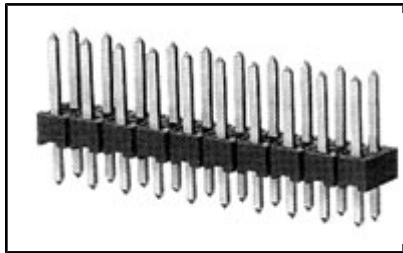
## Customer Support

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# 7-146253-0 Product Details


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



7-146253-0

 [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 = 40
- Mating Post Length = 8.08 mm

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#### Quick Links

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

##### Product Drawings:

- [HEADER ASSEMBLY, MOD II, BREAKAWAY, DOUBLE ROW, H...](#) (PDF, English)

##### Catalog Pages/Data Sheets:

- None Available

##### Product Specifications:

- None Available

##### Application Specifications:

- None Available

##### Instruction Sheets:

- None Available

##### CAD Files:

- None Available

##### 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](#) = 40
- [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]) = 8.08 [0.318]
- [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 \[in\]\)](#) = 3.18 [0.125]
- 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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