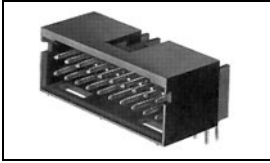


103166-1 Product Details



103166-1

TE Internal Number: 103166-1

 [Active](#)

 [View 3D PDF](#)

.100 inch AMPMODU Headers

 [5 of 6 EU RoHS/ELV Compliant \(Find RoHS Compliant Alternates/Statement of Compliance\)](#)

Product Highlights:

- Connector
- Connector Type = Header - Pin
- Header Type = Shrouded
- 6 Positions
- Mating Post Length = 8.08 mm

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [HDR ASSY, MOD II, SHROUDED, 4 SIDES, DBL ROW, .100X...](#) (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 K)
- [3D Model](#) (IGES, Version K)
- [3D Model](#) (STEP, Version K)

[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
- Connector Type = Header - Pin
- [Number of Positions](#) = 6
- [\[Shrouded\] End Dimension \(mm \[in\]\)](#) = 1.68 [0.066]
- [Mount Angle](#) = Right Angle
- [PCB Retention Feature](#) = No
- [Surface Mount Compatible](#) = No
- [Board Standoff](#) = With
- [Mounting Ears](#) = Without
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Detent Windows
- [Housing Style](#) = 4-Sided
- Post Size (mm [in]) = 0.64 [.025]
- Profile = Standard

Mechanical Attachment:

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

Electrical Characteristics:

- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 750

Termination Related Features:

- [Termination Post Length \(mm \[in\]\)](#) = 3.43 [0.135]
- Solder Tail Contact Plating = Tin-Lead over Nickel

Body Related Features:

- [Header Type](#) = Shrouded
- 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 (30)
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze
- Approved Standards = UL E28476, CSA LR7189

Housing Related Features:

- Housing Material = Thermoplastic - GF
- Housing Color = Black
- Housing 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

Conditions for Usage:

- [High Temperature Housing](#) = No
- Operating Temperature (°C) = -55 - +105

Operation/Application:

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

Other:

- Brand = AMP