

## 103166-8 Product Details

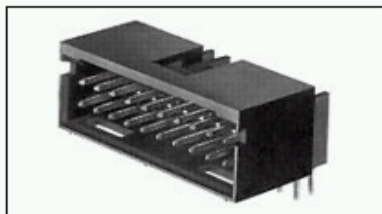
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103166-8

TE Internal Number: 103166-8

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 = Shrouded
- 20 Positions
- Mating Post Length = 8.08 mm
- 2.54 mm Centerline

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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
- [\[Shrouded\] End Dimension \(mm \[in\]\)](#) = 1.68 [0.066]
- [Mount Angle](#) = Right Angle
- [PCB Mount Retention](#) = Without
- [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
- [Number of Positions](#) = 20
- 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

#### Housing Related Features:

- Housing Material = Thermoplastic - GF
- Housing Color = Black
- 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) = -55 - +105

#### Operation/Application:

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

#### Other:

- Brand = AMP

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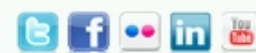
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