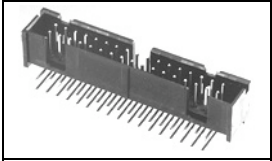


## 5103311-8 Product Details



**5103311-8**

TE Internal Number: 5103311-8



[Active](#)



[View 3D PDF](#)

### Pin and Pinless Headers (AMP-LATCH)

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

#### Product Highlights:

- Preloaded
- Connector Style = Header - Pin
- Header Type = Pin Header
- AMP-LATCH Product Line
- Low Profile

[View all Features](#)

### Documentation & Additional Information

#### Product Drawings:

- [HEADER ASSY, RIGHT ANGLE, LOW PROFILE, AMP-LATCH](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [AMPMODU INTERCONNECTION SYSTEM SECTIONS](#) (PDF, English)
- [Ribbon Cable Interconnect Solutions](#) (PDF, English)

#### Product Specifications:

- [AMP-LATCH\\* and IDC Header Connectors, .100 x .100 In...](#) (PDF, English)

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files: ([CAD Format & Compression Information](#))

- [2D Drawing](#) (DXF, Version E)
- [3D Model](#) (IGES, Version E)
- [3D Model](#) (STEP, Version E)

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(5\)](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- Product Line = AMP-LATCH
- [Profile](#) = Low
- [PCB Mounting Orientation](#) = Right Angle
- [PCB Mount Retention](#) = Without
- [Mating Connector Lock](#) = Without
- [Housing Style](#) = 4-Sided
- [Ejection Latches](#) = Without
- Post Size (mm [in]) = 0.64 [.025]
- Shrouded = Yes
- [Shrouded] End Dimension (mm [in]) = 3.81 [0.150]

#### Electrical Characteristics:

- Current Rating (A) = 1
- Insulation Resistance (MΩ) = 5,000

#### Termination Related Features:

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

#### Body Related Features:

- Header Type = Pin Header
- [Number of Positions](#) = 40
- [Centerline, Matrix \(mm \[in\]\)](#) = 2.54 x 2.54 [1.00 x .100]

#### Contact Related Features:

- Preloaded = Yes
- [Contact Plating, Mating Area, Material](#) = Gold (30), Gold Flash over Palladium Nickel
- Contact Shape = Square
- Contact Base Material = Copper Alloy

#### Housing Related Features:

- Connector Style = Header - Pin
- [Mating Alignment Type](#) = Center, Dual Polarizing Bar
- Mating Alignment = With
- Housing Material = Thermoplastic - GF
- UL Flammability Rating = UL 94V-0
- Housing Color = Black

#### 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
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved Standards = UL E28476, CSA LR7189

#### Conditions for Usage:

- [Temperature Rating](#) = Standard

- [Daisy Chain = With](#)

- Operating Temperature (°C) = -65 - +105

**Other:**

- Brand = AMP