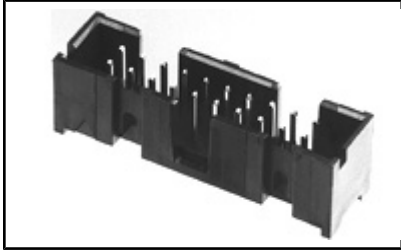


# 5103309-5 Product Details



5103309-5



[Active](#)

## Pin and Pinless Headers (AMP-LATCH)



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

### Product Highlights:

- Connector Type = Pin Headers
- Low Profile
- Number of Positions = 20
- 2.54 x 2.54 mm Centerline, Matrix
- PCB Mount Angle = Vertical

[View all Features](#) | [Find Similar Products](#)

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## Documentation & Additional Information

### Product Drawings:

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

### Catalog Pages/Data Sheets:

- None Available

### 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 B)
- [3D Model](#) (IGES, Version B)
- [3D Model](#) (STEP, Version B)

### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)
- [Mating Products \(14\)](#)

[List all Documents](#)

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

**Product Type Features:**

- Connector Type = Pin Headers
- [Profile](#) = Low
- [Number of Positions](#) = 20
- [PCB Mount Angle](#) = Vertical
- [PCB Retention Feature](#) = No
- [Mating Polarization Method](#) = Center, Dual Polarizing Bar
- [Mating Connector Lock](#) = Without
- [Housing Style](#) = 4-Sided
- [Ejection Latches](#) = Without
- Post Size (mm [in]) = 0.64 [.025]
- Shrouded = Yes
- Mating Polarization = With
- Shrouded End Dimension (mm [in]) = 3.81 [0.150]

**Electrical Characteristics:**

- Current Rating (Amps.) = 1
- Insulation Resistance (M $\Omega$ ) = 5,000

**Termination Related Features:**

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

**Body Related Features:**

- [Centerline, Matrix \(mm \[in\]\)](#) = 2.54 x 2.54 [.100 x .100]
- Daisy Chain = With

**Contact Related Features:**

- [Contact Mating Area Plating](#) = Gold (30) over Nickel, Gold Flash over Palladium Nickel
- Contact Shape = Square
- Contact Material = Copper Alloy
- Approved Standards = UL E28476, CSA LR7189

**Housing Related Features:**

- Housing Material = Thermoplastic
- Housing 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

**Conditions for Usage:**

- [Temperature Rating](#) = Standard
- Operating Temperature (°C) = -65 – +105

**Other:**

- Brand = AMP

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