

## 5103309-7 Product Details



**5103309-7**

TE Internal Number: 5103309-7



Active

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

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

#### Product Highlights:

- Connector Type = Header - Pin
- Header Type = Pin Header
- AMP-LATCH Product Line
- Low Profile
- 34 Positions

[View all Features](#)

### Documentation & Additional Information

#### Product Drawings:

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

#### Catalog Pages/Data Sheets:

- [AMPMODU INTERCONNECTION SYSTEM SECTIONS](#) (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 B)
- [3D Model](#) (IGES, Version B)
- [3D Model](#) (STEP, Version B)

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(10\)](#)

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

#### Product Type Features:

- Connector Type = Header - Pin
- Product Line = AMP-LATCH
- [Profile](#) = Low
- [Number of Positions](#) = 34
- [PCB Mount Angle](#) = Vertical
- [PCB Retention Feature](#) = No
- [Mating Polarization Type](#) = 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]

#### Contact Related Features:

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

#### Housing Related Features:

- Housing Material = Thermoplastic - GF
- 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

**Electrical Characteristics:**

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

**Termination Related Features:**

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

**Body Related Features:**

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

- RoHS/ELV Compliance History = Always was RoHS compliant

**Conditions for Usage:**

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

**Other:**

- Brand = AMP