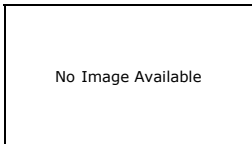




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## 103309-1 Product Details



**103309-1**

TE Internal Number: 103309-1



[Active](#)



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

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

#### Product Highlights:

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

[View all Features](#)

#### Quick Links

- ▶ [Check Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [View Mating Products \(1\)](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#)

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### Documentation & Additional Information

#### Product Drawings:

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

#### Catalog Pages/Data Sheets:

- [PERSONAL SYSTEMS PRODUCTS](#) (PDF, English)

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

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

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

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(1\)](#)

### 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](#) = 10
- [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]

#### 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-Lead over Nickel

#### Body Related Features:

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

#### 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](#) = ELV compliant, 5 of 6 Compliant
- [Lead Free Solder Processes](#) = Not suitable for lead free processing

#### Conditions for Usage:

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

#### Other:

- Brand = AMP