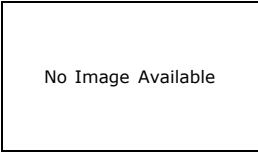


## 1-103309-0 Product Details



**1-103309-0**


TE Internal Number: 1-103309-0



[Active](#)

 [View 3D PDF](#)

### 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
- 50 Positions

[View all Features](#)

| Documentation & Additional Information   |   |
|--|---|
| <p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">HEADER ASSY, LOW PROFILE, AMP-LATCH</a> (PDF, English)</li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">PERSONAL SYSTEMS PRODUCTS</a> (PDF, English)</li> </ul> <p><b>Product Specifications:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Application Specifications:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Instruction Sheets:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>CAD Files:</b> (<a href="#">CAD Format &amp; Compression Information</a>)</p> <ul style="list-style-type: none"> <li>• <a href="#">2D Drawing</a> (DXF, Version H)</li> <li>• <a href="#">3D Model</a> (IGES, Version H)</li> <li>• <a href="#">3D Model</a> (STEP, Version H)</li> </ul> <p style="text-align: right;"><a href="#">List all Documents</a></p> | <p><b>Additional Information:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Product Line Information</a></li> </ul> <p><b>Related Products:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Tooling</a></li> <li>• <a href="#">Mating Products (1)</a></li> </ul> |

| Product Features (Please use the Product Drawing for all design activity)   |   |
|---|---|
| <p><b>Product Type Features:</b></p> <ul style="list-style-type: none"> <li>• Connector Type = Header - Pin</li> <li>• Product Line = AMP-LATCH</li> <li>• <a href="#">Profile</a> = Low</li> <li>• <a href="#">Number of Positions</a> = 50</li> <li>• <a href="#">PCB Mount Angle</a> = Vertical</li> <li>• <a href="#">PCB Retention Feature</a> = No</li> <li>• <a href="#">Mating Polarization Type</a> = Center, Dual Polarizing Bar</li> <li>• <a href="#">Mating Connector Lock</a> = Without</li> <li>• <a href="#">Housing Style</a> = 4-Sided</li> <li>• <a href="#">Ejection Latches</a> = Without</li> <li>• Post Size (mm [in]) = 0.64 [.025]</li> <li>• Shrouded = Yes</li> <li>• Mating Polarization = With</li> <li>• [Shrouded] End Dimension (mm [in]) = 3.81 [0.150]</li> </ul> | <p><b>Contact Related Features:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Contact Plating, Mating Area, Material</a> = Gold (30), Gold Flash over Palladium Nickel</li> <li>• Contact Shape = Square</li> <li>• Contact Base Material = Copper Alloy</li> <li>• Approved Standards = UL E28476, CSA LR7189</li> </ul> <p><b>Housing Related Features:</b></p> <ul style="list-style-type: none"> <li>• Housing Material = Thermoplastic - GF</li> <li>• Housing Flammability Rating = UL 94V-0</li> <li>• Housing Color = Black</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">RoHS/ELV Compliance</a> = ELV compliant, 5 of 6 Compliant</li> <li>• <a href="#">Lead Free Solder Processes</a> = Not suitable for lead free processing</li> </ul> |

**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

**Conditions for Usage:**

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

**Other:**

- Brand = AMP