



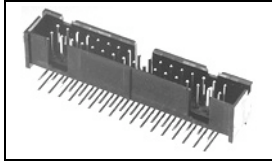
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## 103310-8 Product Details

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**103310-8**

TE Internal Number: 103310-8

Active

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### AMP-LATCH Pin and Pinless Headers

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

#### Product Highlights:

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

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Documentation & Additional Information	
<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">HEADER ASSY, LOW PROFILE, AMP-LATCH (PDF, English)</a></li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• None Available</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 (DXF, Version H)</a></li> <li>• <a href="#">3D Model (IGES, Version H)</a></li> <li>• <a href="#">3D Model (STEP, Version H)</a></li> </ul>	<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>

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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</li> <li>• Product Line = AMP-LATCH</li> <li>• Profile = Low</li> <li>• PCB Mounting Orientation = Right Angle</li> <li>• PCB Mount Retention = Without</li> <li>• Mating Connector Lock = Without</li> <li>• Ejection Latches = Without</li> <li>• Post Size (mm [in]) = 0.64 [.025]</li> </ul> <p><b>Electrical Characteristics:</b></p> <ul style="list-style-type: none"> <li>• Current Rating (A) = 1</li> <li>• Insulation Resistance (MΩ) = 5,000</li> </ul> <p><b>Termination Features:</b></p> <ul style="list-style-type: none"> <li>• Termination Post Length (mm [in]) = 3.43 [0.135]</li> </ul> <p><b>Dimensions:</b></p> <ul style="list-style-type: none"> <li>• [Shrouded] End Dimension (mm [in]) = 3.81 [0.150]</li> </ul> <p><b>Body Features:</b></p> <ul style="list-style-type: none"> <li>• Header Type = Pin Header</li> <li>• Daisy Chain = With</li> </ul> <p><b>Contact Features:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Contact Plating, Mating Area, Material</a> = Gold (15), Gold Flash over Palladium Nickel</li> <li>• Contact Shape = Square</li> </ul>	<p><b>Housing Features:</b></p> <ul style="list-style-type: none"> <li>• Centerline, Matrix (mm [in]) = 2.54 x 2.54 [.100 x .100]</li> <li>• Mating Alignment Type = Center, Dual Polarizing Bar</li> <li>• Housing Style = 4-Sided</li> <li>• Mating Alignment = With</li> <li>• Housing Material = Thermoplastic - GF</li> <li>• Housing Color = Black</li> </ul> <p><b>Configuration Features:</b></p> <ul style="list-style-type: none"> <li>• Number of Positions = 40</li> <li>• Shrouded = Yes</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• RoHS/ELV Compliance = ELV compliant, 5 of 6 Compliant</li> <li>• Lead Free Solder Processes = Not suitable for lead free processing</li> <li>• UL Flammability Rating = UL 94V-0</li> <li>• Approved Standards = UL E28476, CSA LR7189</li> </ul> <p><b>Environmental:</b></p> <ul style="list-style-type: none"> <li>• Operating Temperature (°C) = -65 - +105</li> </ul> <p><b>Conditions for Usage:</b></p> <ul style="list-style-type: none"> <li>• Temperature Rating = Standard</li> </ul> <p><b>Other:</b></p> <ul style="list-style-type: none"> <li>• Brand = AMP</li> </ul>

- Contact Base Material = Copper Alloy
- Solder Tail Contact Plating = Tin-Lead over Nickel

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