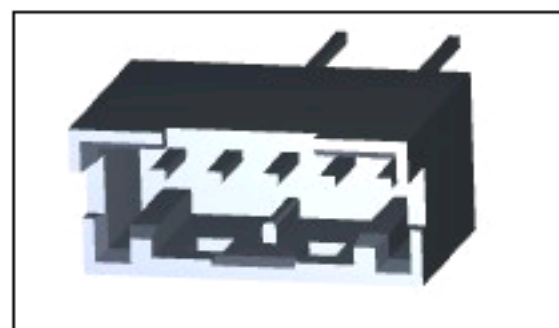


## 5-1747072-5 Product Details

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5-1747072-5

2, 2.5, 3.3, 3.5, 3.96 & 6.2 Centerline 600 V, 12 A max.

Always EU RoHS/ELV Compliant (Statement of Compliance)

**Product Highlights:**

- Grace Inertia Connector Product Line
- Wire-to-Board
- Applies To Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- Connector

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Active

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Documentation & Additional Information	
<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">GRACE INERTIA CONNECTOR 2.5 ON TAPE HDR (PDF, Japanese)</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>• <a href="#">GRACE INERTIA CONNECTOR 2.5 (PDF, Japanese)</a></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: (CAD Format &amp; Compression Information)</b></p> <ul style="list-style-type: none"> <li>• <a href="#">2D Drawing (DXF, Version G)</a></li> <li>• <a href="#">3D Model (IGES, Version G)</a></li> <li>• <a href="#">3D Model (STEP, Version G)</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 (2)</a></li> </ul>

[List all Documents](#)

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>• Product Line = Grace Inertia Connector</li> <li>• Product Type = Connector</li> <li>• Connector Type = Header</li> <li>• Tab Width (mm [in]) = 0.7 [0.0276]</li> <li>• Termination Method to Wire/Cable = Solder</li> <li>• PCB Mounting Orientation = Vertical</li> <li>• PCB Mount Retention = Without</li> <li>• PCB Mount Retention Type = None</li> <li>• PCB Mount Alignment = Without</li> <li>• Termination Method to PC Board = Through Hole - Solder</li> <li>• Sealed = No</li> </ul> <p><b>Mechanical Attachment:</b></p> <ul style="list-style-type: none"> <li>• Mating Retention Type = Latching</li> </ul> <p><b>Electrical Characteristics:</b></p> <ul style="list-style-type: none"> <li>• Contact - Rated Current (A) = 1.5 - 3</li> <li>• Operating Voltage Reference = AC/DC</li> <li>• Operating Voltage (VAC) = 50</li> <li>• Operating Voltage (VDC) = 50</li> </ul> <p><b>Termination Features:</b></p> <ul style="list-style-type: none"> <li>• Tail Length (mm [in]) = 2.8 [0.11]</li> </ul> <p><b>Dimensions:</b></p> <ul style="list-style-type: none"> <li>• PCB Thickness, Recommended (mm [in]) = 1.60 [0.063]</li> </ul> <p><b>Body Features:</b></p> <ul style="list-style-type: none"> <li>• Mating Retention = With</li> <li>• Underplate Material Thickness (µm [µin]) = 1.27 [50.000]</li> </ul> <p><b>Contact Features:</b></p> <ul style="list-style-type: none"> <li>• Contact Type = Tab</li> <li>• Contact Layout = In-Line</li> <li>• Contact Base Material = Brass</li> <li>• Contact Plating, Mating Area, Material = Gold</li> <li>• Contact Plating, Mating Area, Thickness (µm [µin]) = 0.3 [11.81]</li> <li>• Multiple Contact Types = Without</li> <li>• Tail Plating Material = Tin</li> <li>• Tail Plating Thickness (µm [µin]) = 2 [78.74]</li> <li>• Underplate Material = Nickel</li> </ul>	<p><b>Housing Features:</b></p> <ul style="list-style-type: none"> <li>• Connector Style = Plug</li> <li>• Centerline (mm [in]) = 2.50 [0.098]</li> <li>• Housing Material = Nylon 66 GF</li> <li>• Housing Color = Natural</li> <li>• Mating Alignment = With</li> <li>• Mating Alignment Type = Polarization</li> <li>• UL Flammability Rating = UL 94V-0</li> </ul> <p><b>Configuration Features:</b></p> <ul style="list-style-type: none"> <li>• Number of Positions = 5</li> <li>• Number of Rows = 1</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">RoHS/ELV Compliance</a> = RoHS compliant, ELV compliant</li> <li>• <a href="#">Lead Free Solder Processes</a> = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C</li> <li>• <a href="#">RoHS/ELV Compliance History</a> = Always was RoHS compliant</li> </ul> <p><b>Environmental:</b></p> <ul style="list-style-type: none"> <li>• Operating Temperature (°C [°F]) = -30 - +105 [-22 - +221]</li> </ul> <p><b>Conditions for Usage:</b></p> <ul style="list-style-type: none"> <li>• Applies To = Printed Circuit Board</li> <li>• Glow Wire Rating = Standard Part - Not Glow Wire</li> <li>• For Use With = Plug Housing</li> </ul> <p><b>Operation/Application:</b></p> <ul style="list-style-type: none"> <li>• Application Use = Wire-to-Board</li> <li>• Contact Transmits (Typical Application) = Signal (Data)</li> </ul> <p><b>Packaging Features:</b></p> <ul style="list-style-type: none"> <li>• Packaging Method = Tape</li> <li>• Packaging Quantity = 450</li> </ul> <p><b>Other:</b></p> <ul style="list-style-type: none"> <li>• Brand = AMP</li> <li>• Comment = Mating with X-1747066-5</li> </ul>

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