

**6-747840 -9 Product Details**



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Active

**Standard Board Mount Connectors**

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

**Product Highlights:**

- ? Number of Positions = 9
- ? Plug
- ? PCB Mount Angle = Right Angle
- ? Product Series = HD 20
- ? With Mating Connector Lock

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Documentation & Additional Information	
<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>? <a href="#">PLUG ASSEMBLY, SIZE 1, 9 POSITION, RIGHT ANGLE, FRON...</a> (PDF, English)</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</a> (DXF, Version V)</li> <li>? <a href="#">3D Model</a> (IGES, Version V)</li> <li>? <a href="#">3D Model</a> (STEP, Version V)</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 (10)</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>? <a href="#">Number of Positions</a> = 9</li> <li>? <a href="#">Gender</a> = Plug</li> <li>? <a href="#">PCB Mount Angle</a> = Right Angle</li> <li>? <a href="#">Product Series</a> = HD 20</li> <li>? <a href="#">Mating Connector Lock</a> = With</li> <li>? <a href="#">Mating Connector Lock Type</a> = Threaded Insert, 4-40 UNC</li> <li>? <a href="#">PCB Retention Feature</a> = Yes</li> <li>? <a href="#">Shell Type</a> = Front Metal Shell</li> <li>? <a href="#">Shell Size</a> = 1</li> <li>? <a href="#">Footprint (mm [in])</a> = 8.08 [.318]</li> <li>? <a href="#">PCB Thickness (in [mm])</a> = 0.062 [1.57]</li> <li>? <a href="#">Grounding Indents</a> = With</li> <li>? <a href="#">Grounding Straps</a> = With</li> <li>? <a href="#">PCB Mount Style</a> = Thru Hole</li> <li>? <a href="#">Color Code</a> = None</li> <li>? Sealed = No</li> <li>? Profile = Standard</li> <li>? Post Size (mm [in]) = 0.66 [.026]</li> <li>? Mounting Hole Diameter (mm [in]) = 3.18 [.125]</li> <li>? Shell Material = Steel</li> <li>? Threaded Insert Material = Zinc</li> <li>? Eyelet Material = Brass</li> <li>? Comment = Plugs are preloaded with size 20 DF posted pin contacts</li> </ul> <p><b>Mechanical Attachment:</b></p> <ul style="list-style-type: none"> <li>? <a href="#">Panel Attachment</a> = Without</li> <li>? Boardlock Material = Copper Alloy</li> <li>? Boardlock Plating = Tin over Nickel</li> </ul>	<p><b>Termination Related Features:</b></p> <ul style="list-style-type: none"> <li>? <a href="#">Grounding Clips</a> = Without</li> <li>? <a href="#">Termination (Solder) Post Length (mm [in])</a> = 3.18 [0.125]</li> <li>? <a href="#">Solder Tail Contact Plating</a> = Tin over Nickel</li> </ul> <p><b>Body Related Features:</b></p> <ul style="list-style-type: none"> <li>? <a href="#">PCB Retention Method</a> = Boardlock(s)</li> <li>? Shell Plating = Tin</li> <li>? Threaded Insert Plating = Clear Chromate</li> <li>? Eyelet Plating = Tin over Copper Flash</li> </ul> <p><b>Contact Related Features:</b></p> <ul style="list-style-type: none"> <li>? <a href="#">Contact Mating Area Plating Material</a> = Gold (30), Gold Flash over Palladium Nickel</li> <li>? Contact Shape = Round</li> <li>? Contact Material = Brass</li> </ul> <p><b>Housing Related Features:</b></p> <ul style="list-style-type: none"> <li>? Housing Flammability Rating = UL 94V -0</li> <li>? Housing Material = Thermoplastic</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>? <a href="#">RoHS/ELV Compliance</a> = 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>? RoHS/ELV Compliance History = Always was ELV compliant</li> </ul> <p><b>Other:</b></p> <ul style="list-style-type: none"> <li>? Brand = AMP</li> </ul>