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[Home](#) > [Products](#) > [By Type](#) > [CHAMP Connectors](#) > [Product Feature Selector](#) > Product Details

## 5-175475-6 Product Details

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**5-175475-6**

TE Internal Number: 5-175475-6

**Obsolete**

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### 1.27 [.050] Series I, HD, FH and J Connectors

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

**Product Highlights:**

- Connector
- Receptacle
- Number of Positions = 50
- 1.27 mm Centerline
- Standard Profile

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### Documentation & Additional Information

<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">CHAMP Interconnection System</a> (PDF, English)</li> <li>• <a href="#">REPRESENTATIVE TERMINALS AND CONNECTORS</a> (PDF, English)</li> <li>• <a href="#">CHAMP .050 SERIES CONNECTORS</a> (PDF, English)</li> </ul> <p><b>Product Specifications:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">CHAMP .050(I) Board-to-Board Connector (1)</a> (PDF, English)</li> <li>• <a href="#">CHAMP .050(I) Board-to-Board Connector (2)</a> (PDF, English)</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 C)</li> <li>• <a href="#">3D Model</a> (IGES, Version C)</li> <li>• <a href="#">3D Model</a> (STEP, Version C)</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> </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>• <a href="#">Product Type</a> = Connector</li> <li>• <a href="#">Gender</a> = Receptacle</li> <li>• <a href="#">Number of Positions</a> = 50</li> <li>• <a href="#">Profile</a> = Standard</li> <li>• PCB Mount Style = Through Hole</li> <li>• PCB Retention Feature = Yes</li> <li>• <a href="#">PCB Mount Angle</a> = Vertical</li> <li>• <a href="#">Connector Type</a> = High Density (HD)</li> <li>• <a href="#">PCB Mount Polarization</a> = Without</li> <li>• Retention Leg Material = Brass</li> <li>• Color = Black</li> <li>• Used For = Board To Board Applications</li> <li>• Sealed Bottom = Without</li> <li>• Product Series = Series I</li> </ul> <p><b>Mechanical Attachment:</b></p> <ul style="list-style-type: none"> <li>• Retention Leg Plating = Tin-lead over Nickel</li> </ul> <p><b>Termination Related Features:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Termination Post Length (mm [in])</a> = 3.10 [0.122]</li> </ul>	<p><b>Body Related Features:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Centerline (mm [in])</a> = 1.27 [0.050]</li> <li>• <a href="#">PCB Retention Method</a> = Boardlock(s)</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)</li> <li>• Contact Base Material = Phosphor Bronze</li> </ul> <p><b>Housing Related Features:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Housing Temperature Rating</a> = Standard</li> <li>• Housing Material = Nylon</li> <li>• Housing Flammability Rating = UL 94V-0</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> = Wave solder capable to 240°C</li> </ul> <p><b>Operation/Application:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Application</a> = Standard</li> </ul> <p><b>Other:</b></p> <ul style="list-style-type: none"> <li>• Brand = AMP</li> </ul>
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