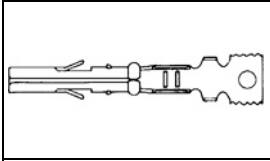


## 641294-1 Product Details



**641294-1**

TE Internal Number: 641294-1



[Active](#)

 [View 3D PDF](#)

### .165" Centerline, 250 V, 9 A max.

 [Always EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

#### Product Highlights:

- Wire-to-Board, Wire-to-Board / Wire-to-Wire, Wire-to-Wire
- Contact
- Applies To Wire
- Wire/Cable Size = 18 - 26 AWG
- Wire/Cable Size = .12 - .8 mm<sup>2</sup>

[View all Features](#)

Documentation & Additional Information	
<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">MR RECEPTACLE</a> (PDF, English)</li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">SOFT SHELL PIN AND SOCKET CONNECTORS CATALOG</a> (PDF, English)</li> </ul> <p><b>Product Specifications:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Connector, Miniature Rectangular (MR)</a> (PDF, English)</li> <li>• <a href="#">Header, MR, Miniature Rectangular</a> (PDF, English)</li> </ul> <p><b>Application Specifications:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Miniature Rectangular (MR) Contacts and Housings</a> (PDF, English)</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 E1)</li> <li>• <a href="#">3D Model</a> (IGES, Version E1)</li> <li>• <a href="#">3D Model</a> (STEP, Version E1)</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> </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>• Product Type = Contact</li> <li>• Strain Relief = With</li> <li>• Wire/Cable Type = Discrete Wire</li> <li>• Termination Method to Wire/Cable = Crimp</li> <li>• PCB Mount Retention = Without</li> </ul> <p><b>Electrical Characteristics:</b></p> <ul style="list-style-type: none"> <li>• Contact Current Rating (A) = 9</li> <li>• Hot Pluggable = No</li> <li>• Operating Voltage Reference = AC</li> <li>• Operating Voltage (VAC) = 250</li> </ul> <p><b>Termination Related Features:</b></p> <ul style="list-style-type: none"> <li>• Wire/Cable Size (AWG) = 18 - 26</li> <li>• Wire/Cable Size (mm<sup>2</sup>) = 0.12 - 0.8</li> <li>• Wire/Cable Size (CMA) = 236.823 - 1,578.82</li> </ul> <p><b>Body Related Features:</b></p> <ul style="list-style-type: none"> <li>• Length (X-Axis) (mm [in]) = 16.76 [0.6598]</li> <li>• Width (Z-Axis) (mm [in]) = 1.94 [0.076]</li> <li>• Profile Height (Y-Axis) (mm [in]) = 1.94 [0.076]</li> </ul>	<p><b>Housing Related Features:</b></p> <ul style="list-style-type: none"> <li>• Mating Alignment = Without</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> = Not relevant for lead free process</li> <li>• UL Voltage Rating (VAC) = 250</li> <li>• RoHS/ELV Compliance History = Always was RoHS compliant</li> </ul> <p><b>Conditions for Usage:</b></p> <ul style="list-style-type: none"> <li>• Applies To = Wire</li> <li>• Accepts Wire Insulation Diameter, Range (mm [in]) = 0.635 - 2.92 [0.050 - 0.115]</li> <li>• Operating Temperature (°C [°F]) = -55 - +105 [-67 - +221]</li> </ul> <p><b>Operation/Application:</b></p> <ul style="list-style-type: none"> <li>• Application Use = Wire-to-Board, Wire-to-Board / Wire-to-Wire, Wire-to-Wire</li> <li>• Contact Transmits (Typical Application) = Signal (Data)/ Power</li> </ul> <p><b>Packaging Related Features:</b></p> <ul style="list-style-type: none"> <li>• Packaging Method = Reel</li> </ul>

**Contact Related Features:**

- Contact Type = Socket
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Pre-Tin
- Contact Plating, Mating Area, Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 0.4 [15.75]
- Contact Design = Formed Socket

**Other:**

- Brand = AMP