

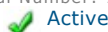


# 1934516-1 Product Details



**1934516-1**

TE Internal Number: 1934516-1



Active

## Z-PACK TinMan Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

### Product Highlights:

- Board-to-Board Configuration = Right Angle
- Header
- Header Type = Partially Shrouded
- Connector Style = Plug
- Contact Type = Pin

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Documentation & Additional Information	
<p>Documents are temporarily unavailable. We are working hard to correct the problem. Please try again later.</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 (1)</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>• Connector Type = Header</li> <li>• PCB Mounting Orientation = Vertical</li> <li>• Module Type = Center</li> <li>• PCB Mount Retention = With</li> <li>• PCB Mount Retention Type = Action/Compliant Tail</li> <li>• PCB Mount Alignment = Without</li> <li>• Sealed = No</li> </ul> <p><b>Electrical Characteristics:</b></p> <ul style="list-style-type: none"> <li>• Data Rate (Gb/s) = 10</li> <li>• Differential Impedance (<math>\Omega</math>) = 100</li> <li>• Contact - Rated Current (A) = 0.5</li> <li>• Hot Pluggable = No</li> <li>• Operating Voltage Reference = AC</li> <li>• Operating Voltage (VAC) = 250</li> <li>• UL Voltage Rating (VAC) = 250</li> </ul> <p><b>Termination Features:</b></p> <ul style="list-style-type: none"> <li>• Termination Method to PC Board = Through Hole - Press Fit</li> </ul> <p><b>Dimensions:</b></p> <ul style="list-style-type: none"> <li>• Tail Length (mm [in]) = 2.5 [0.098]</li> <li>• PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]</li> </ul> <p><b>Body Features:</b></p> <ul style="list-style-type: none"> <li>• Header Type = Partially Shrouded</li> <li>• Row-to-Row Spacing (mm [in]) = 1.40 [0.055]</li> <li>• Mating Retention = Without</li> </ul> <p><b>Contact Features:</b></p> <ul style="list-style-type: none"> <li>• Contact Type = Pin</li> <li>• Contact Design = Rectangular Post</li> <li>• Contact Base Material = Phosphor Bronze</li> <li>• Contact Plating, Mating Area, Material = Gold</li> <li>• Contact Plating, Mating Area, Thickness (<math>\mu\text{m}</math> [<math>\mu\text{in}</math>]) = 0.76 [29.92]</li> <li>• Contact Plating, Termination Area, Material = Matte Tin</li> <li>• Contact Plating, Termination Area, Thickness (<math>\mu\text{m}</math> [<math>\mu\text{in}</math>]) = 0.5 [20]</li> </ul> <p><b>Housing Features:</b></p> <ul style="list-style-type: none"> <li>• Connector Style = Plug</li> <li>• End Wall Location = Open</li> <li>• Housing Color = Black</li> <li>• Centerline (mm [in]) = 1.90 [0.075]</li> </ul>	<p><b>Configuration Features:</b></p> <ul style="list-style-type: none"> <li>• Number of Positions = 288</li> <li>• Number of Signal Positions = 192</li> <li>• Number of Rows = 18</li> <li>• <a href="#">Number of Columns</a> = 16</li> <li>• Number of Pairs per Connector = 96</li> <li>• Pairs per Column = 6</li> <li>• Stackable = No</li> <li>• Differential Signaling = Yes</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>• RoHS/ELV Compliance History = Always was RoHS compliant</li> <li>• Agency/Standard = UL</li> <li>• UL Rating = Recognized</li> <li>• UL File Number = E28476</li> <li>• UL Flammability Rating = UL 94V-0</li> </ul> <p><b>Environmental:</b></p> <ul style="list-style-type: none"> <li>• Operating Temperature (<math>^{\circ}\text{C}</math> [<math>^{\circ}\text{F}</math>]) = -65 - +90 [-85 - +194]</li> </ul> <p><b>Conditions for Usage:</b></p> <ul style="list-style-type: none"> <li>• Board-to-Board Configuration = Right Angle</li> </ul> <p><b>Operation/Application:</b></p> <ul style="list-style-type: none"> <li>• Contact Transmits (Typical Application) = Signal (Data)</li> </ul> <p><b>Packaging Features:</b></p> <ul style="list-style-type: none"> <li>• Packaging Method = Tube</li> </ul> <p><b>Other:</b></p> <ul style="list-style-type: none"> <li>• Brand = TE Connectivity</li> </ul>
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- Mating Alignment = With
- Mating Alignment Type = Guide Slot
- Housing Material = Liquid Crystal Polymer (LCP)

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