



1934275-1 Product Details

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Z-PACK TinMan Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Board-to-Board Configuration = Co-Planar, Co-Planar/Right Angle, Right Angle
- Connector Assembly
- Connector Style = Receptacle
- Contact Type = Socket
- 168 Positions

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TE Internal Number: 1934275-1

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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • None Available <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • None Available <p>Product Specifications:</p> <ul style="list-style-type: none"> • Z-PACK TinMan* Connector System (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • Z-PACK TinMan Connector System (PDF, English) <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files: (CAD Format & Compression Information)</p> <ul style="list-style-type: none"> • 2D Drawing (DXF, Version B) • 3D Model (IGES, Version B) • 3D Model (STEP, Version B) 	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling

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Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Connector Type = Connector Assembly • PCB Mounting Orientation = Right Angle • PCB Mount Retention = With • PCB Mount Retention Type = Compliant Posts • Termination Method to PC Board = Through Hole - Press Fit • PCB Mount Alignment = Without • Sealed = No • UL File Number = E28476 <p>Mechanical Attachment:</p> <ul style="list-style-type: none"> • Stackable = No <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • Data Rate (Gb/s) = 10.000 • Differential Impedance (Ω) = 100 • Contact - Rated Current (A) = 0.5 • Hot Pluggable = No • Operating Voltage Reference = AC • Operating Voltage (VAC) = 250 <p>Termination Features:</p> <ul style="list-style-type: none"> • Tail Length (mm [in]) = 2.2 [0.087] <p>Dimensions:</p> <ul style="list-style-type: none"> • PCB Thickness, Recommended (mm [in]) = 1.57 [0.062] <p>Body Features:</p> <ul style="list-style-type: none"> • Row-to-Row Spacing (mm [in]) = 1.40 [0.055] • Mating Retention = Without <p>Contact Features:</p> <ul style="list-style-type: none"> • Contact Type = Socket • Contact Design = Dual Beam • Contact Base Material = Phosphor Bronze • Contact Plating, Mating Area, Material = Gold • Contact Plating, Mating Area, Thickness (µm [µin]) = 0.76 [29.92] • Contact Plating, Termination Area, Material = Matte Tin • Contact Plating, Termination Area, Thickness (µm [µin]) = 0.5 [20] 	<p>Housing Features:</p> <ul style="list-style-type: none"> • Connector Style = Receptacle • Housing Color = Black • Centerline (mm [in]) = 1.90 [0.075] • Mating Alignment = With • Mating Alignment Type = Guide Slot • Housing Material = Liquid Crystal Polymer (LCP) • UL Flammability Rating = UL 94V-0 <p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 168 • Number of Signal Positions = 112 • Number of Rows = 12 • Number of Columns = 14 • Number of Pairs per Connector = 56 • Pairs per Column = 4 • Differential Signaling = Yes <p>Industry Standards:</p> <ul style="list-style-type: none"> • RoHS/ELV Compliance = RoHS compliant, ELV compliant • Lead Free Solder Processes = Not relevant for lead free process • RoHS/ELV Compliance History = Always was RoHS compliant • Agency/Standard = UL • UL Rating = Recognized • UL Voltage Rating (VAC) = 250 <p>Environmental:</p> <ul style="list-style-type: none"> • Operating Temperature (°C [°F]) = -65 - +90 [-85 - +194] <p>Conditions for Usage:</p> <ul style="list-style-type: none"> • Board-to-Board Configuration = Co-Planar, Co-Planar/Right Angle, Right Angle <p>Operation/Application:</p> <ul style="list-style-type: none"> • Contact Transmits (Typical Application) = Signal (Data) <p>Packaging Features:</p> <ul style="list-style-type: none"> • Packaging Method = Tube <p>Other:</p> <ul style="list-style-type: none"> • Brand = TE Connectivity

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