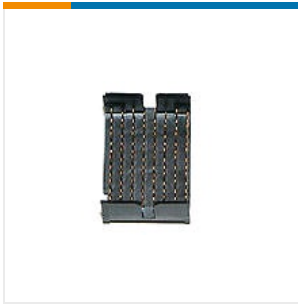




CONNECTORS

## HIGH SPEED CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### Tin man Header Assy 5x16 Open

Z-PACK | TinMan

1934331-1

TE Internal Number: 1934331-1

Always EU RoHS/ELV Compliant

Number of Positions **240**

Row-to-Row Spacing **2.5 mm [ .098 in ]**

Contact Current Rating (A) **.5**

Mating Alignment **With**

Mating Alignment Type **Guide Slot**

#### Product Drawings

[HEADER ASSEMBLY, OPEN ENDED, 5 PAIR 16 COLUMN TinMan](#)

PDF  
English

#### CAD Files

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[3D PDF](#)

PDF  
English

#### Catalog Pages/Data Sheets

[High Speed Backplane Connectors Catalog - Z-PACK TinMan High Speed, High Density Backplane Connector](#)

PDF  
English

[Z-PACK TinMan High Speed High Density Backplane Connector Catalog 5-1773447-9](#)

PDF  
English

#### Product Specifications

Product Specification

[Z-PACK TinMan Connector System](#)

PDF  
English

Application Specification

[Z-PACK TinMan Connector System](#)

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[MD\\_1934331-1\\_10082014122\\_dmtec](#)

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features	Row-to-Row Spacing	<b>2.5 mm [ .098 in ]</b>
	Connector System	<b>Board-to-Board</b>
	Connector Style	<b>Plug</b>
	Board-to-Board Configuration	<b>Right Angle</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Shrouded	<b>Partially Shrouded</b>
	Product Type	<b>Connector</b>
	Applies To	<b>Printed Circuit Board</b>
	Connector Type	<b>Header</b>
	Make First / Break Last	<b>No</b>
	Sealed	<b>No</b>
Module Type	<b>Center</b>	

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Configuration Features	Number of Positions	<b>240</b>
	Number of Rows	<b>15</b>
	Number of Columns	<b>16</b>
	Number of Pairs	<b>80</b>
	Number of Signal Positions	<b>160</b>
	Pairs per Column	<b>5</b>
	Stackable	<b>No</b>

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Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
	UL Voltage Rating (VAC)	<b>250</b>
	Impedance ( $\Omega$ )	<b>100</b>

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Signal Characteristics	Differential Impedance ( $\Omega$ )	<b>100</b>
	Differential Pairs per Column	<b>5</b>
	Differential Signaling	<b>Yes</b>
	Data Rate (Gb/s)	<b>10</b>

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Contact Features	Contact Current Rating (A)	<b>.5</b>
	Contact Style	<b>Press-Fit</b>

Contact Mating Area Plating Thickness	<b>.76 <math>\mu\text{m}</math> [ 29.92 <math>\mu\text{in}</math> ]</b>
Contact Base Material	<b>Phosphor Bronze</b>
Contact Termination Area Plating Thickness	<b>.5 <math>\mu\text{m}</math> [ 20 <math>\mu\text{in}</math> ]</b>
Contact Design	<b>Rectangular Post</b>
Contact Mating Area Plating Material	<b>Gold</b>
Contact Type	<b>Pin</b>
Contact Length (mm)	<b>6</b>
Contact Termination Area Plating Material Finish	<b>Matte</b>
Contact Termination Area Plating Material	<b>Tin</b>
Contact Transmits (Typical)	<b>Signal (Data)</b>

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Termination Features	Termination Method to PC Board	<b>Through Hole - Press-Fit</b>
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Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Alignment Type	<b>Guide Slot</b>
	PCB Mount Retention Type	<b>Action/Compliant Tail</b>
	PCB Mount Alignment	<b>Without</b>
	PCB Mount Retention	<b>With</b>
	Guide Hardware	<b>Without</b>
	Mating Retention	<b>Without</b>

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Housing Features	Centerline	<b>1.9 mm [ .075 in ]</b>
	Housing Color	<b>Black</b>
	End Wall Location	<b>Open</b>
	Housing Material	<b>LCP (Liquid Crystal Polymer)</b>

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Dimensions	PCB Hole Diameter (mm)	<b>.47</b>
	Height (mm)	<b>11.8</b>
	Length (mm)	<b>15.35</b>
	Width (mm)	<b>24.4</b>
	Tail Length	<b>2.5 mm [ .098 in ]</b>

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Usage Conditions	Operating Temperature Range	<b>-65 – 90 °C [ -85 – 194 °F ]</b>
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Operation/Application	For Use With	<b>Receptacle Assembly</b>
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Industry Standards	Agency/Standard	<b>UL</b>
	UL Rating	<b>Recognized</b>
	UL File Number	<b>E28476</b>
	UL Flammability Rating	<b>UL 94V-0</b>

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Packaging Features	Packaging Method	<b>Tube, Tube/Box</b>
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Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)