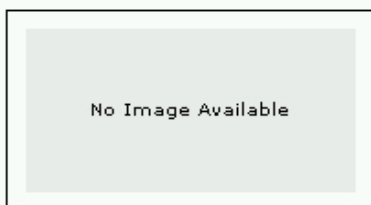


1934289-1 Product Details

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Z-PACK TinMan Connectors

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

Product Highlights:

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


[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- None Available

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- [Z-PACK TinMan* Connector System](#) (PDF, English)

Application Specifications:

- [Z-PACK TinMan Connector System](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files:

- None Available

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

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Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Connector Type = Header
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = With
- Termination Method to PC Board = Through Hole - Press Fit
- PCB Mount Alignment = Without
- Sealed = No
- UL File Number = E28476

Mechanical Attachment:

- Stackable = No

Electrical Characteristics:

- 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

Termination Features:

- Tail Length (mm [in]) = 2.5 [0.098]

Body Features:

- Header Type = Fully Shrouded
- Number of Positions = 210
- Number of Signal Positions = 140
- [Number of Rows](#) = 15
- Number of Columns = 14
- PCB Mount Retention Type = Compliant Posts
- Centerline (mm [in]) = 1.91 [0.075]
- Row-to-Row Spacing (mm [in]) = 1.40 [0.055]
- Mating Retention = Without

Contact Features:

- Contact Type = Pin
- Contact Design = Rectangular Post
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Gold
- Contact Plating, Mating Area, Thickness (μm [μin]) = 0.76 [29.92]
- Tail Plating Material = Matte Tin
- Tail Plating, Thickness (μm [μin]) = 0.5 [20]

Housing Features:

- Connector Style = Plug
- End Wall Location = Dual
- Housing Color = Black
- Mating Alignment = With
- Mating Alignment Type = Guide Slot
- Housing Material = Liquid Crystal Polymer (LCP)
- UL Flammability Rating = UL 94V-0

Configuration Features:

- Number of Pairs per Connector = 70
- Pairs per Column = 5
- Differential Signaling = With

Industry Standards:

- [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

Environmental:

- Operating Temperature ($^{\circ}\text{C}$ [$^{\circ}\text{F}$]) = -65 - +90 [-85 - +194]

Conditions for Usage:

- Board-to-Board Configuration = Right Angle
- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]

Operation/Application:

- Contact Transmits (Typical Application) = Signal (Data)

Packaging Features:

- Packaging Method = Tube

Other:

- Brand = Tyco Electronics

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