1934544-1 ✓ ACTIVE

Z-PACK | Z-PACK TinMan

TE Internal #: 1934544-1

120 Position, Mating Alignment, Guide Slot Mating Alignment

Type, 12 Row, 10 Column, Z-PACK TinMan, High Speed Backplane

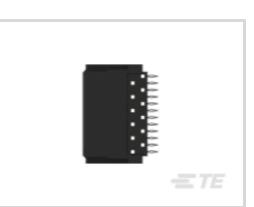
Connectors

View on TE.com >



Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors











Number of Positions: 120

Row-to-Row Spacing: 1.4 mm [.055 in]

Mating Alignment: With

Mating Alignment Type: Guide Slot

Number of Rows: 12

Features

Product Type Features

Signal Arrangement	Differential
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Receptacle
Shroud Style	Unshrouded
Configuration Features	
Pairs per Column	4
Number of Pairs	40
Stackable	Yes
Number of Signal Positions	80
Backplane Architecture	Mezzanine
Number of Positions	120
Number of Rows	12
Number of Columns	10



Operating Voltage 250 VAC Operating Voltage 250 VAC Differential Impedance 100 Q Number of Differential Pairs per Column 4 Data Rate 100 Gb/s Sody Features Primary Product Color Rlack Contact Features PCB Contact Termination Area Plating Material Thickness 5 prilP0 pin Contact Type Receptacle Gold Contact Type Receptacle Gold Contact Termination Area Plating Material Hinish Mattre Contact Shape & Form Dual Beam PCB Contact Termination Area Plating Material Hinish Mattre Contact Shape & Form Dual Beam PCB Contact Termination Area Plating Material Time Source Contact Shape & Form Dual Beam PCB Contact Termination Area Plating Material Time Source Contact Shape & Form Dual Beam PCB Contact Termination Area Plating Material Time Source Contact Shape & Form Dual Beam PCB Contact Termination Area Plating Material Time Source Contact Current Rating (Max) 5-A Fermination Features Termination Features Termination Method to PCB Through Hole - Press-Fit Wechanical Attachment Guide I lardware Without Mating Retention Without PCB Mount Alignment Without Retention Iype Action/Compliant Lail Mating Alignment Type Guide Siot Connector Mounting Type Beard Mount		
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Mating Alignment Type Connector Mounting Type Board Mount	PCB Mount Retention Type	Action/Compliant Tail
Connector Mounting Type Board Mount	Mating Alignment	With
	Mating Alignment Type	Guide Slot
Housing Features	Connector Mounting Type	Board Mount
	Housing Features	



Number of Shrouded Sides	0
End Wall Location	None
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.9 mm[.075 in]
Dimensions	
Connector Length	19.15 mm
Connector Height	13.2 mm
Connector Width	20.2 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
PCB Hole Diameter	.47 mm
Row-to-Row Spacing	1.4 mm[.055 in]
Haara Candiriana	
Usage Conditions	
Operating Temperature Range	-65 – 90 °C[-85 – 194 °F]
	-65 – 90 °C[-85 – 194 °F]
Operating Temperature Range	-65 – 90 °C[-85 – 194 °F] Signal
Operating Temperature Range Operation/Application	
Operating Temperature Range Operation/Application Circuit Application	
Operating Temperature Range Operation/Application Circuit Application Industry Standards	Signal
Operating Temperature Range Operation/Application Circuit Application Industry Standards Compatible With Agency/Standards Products	Signal
Operating Temperature Range Operation/Application Circuit Application Industry Standards Compatible With Agency/Standards Products Compatible With Approved Standards Products	Signal UL UL E28476

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free

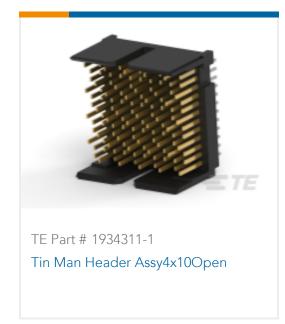
Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts

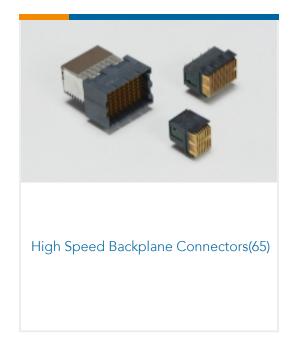








Also in the Series | Z-PACK TinMan



Customers Also Bought









Documents

Product Drawings

Tinman Vt Rcpt Assy 4pr 10col

English

CAD Files

Customer View Model

ENG_CVM_1934544-1_2.3d_igs.zip

English

Customer View Model

ENG_CVM_1934544-1_2.3d_stp.zip

English

Customer View Model

ENG_CVM_1934544-1_2.2d_dxf.zip

English

3D PDF

English

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Datasheets & Catalog Pages

High Speed Backplane Connectors catalog - Z-PACK TinMan High Speed, High Density Backplane Connector

English

Stacking Connectors Quick Reference Guide (English)

English

Product Specifications

Application Specification

English