

1934311-1 ✓ ACTIVE

Z-PACK | Z-PACK TinMan

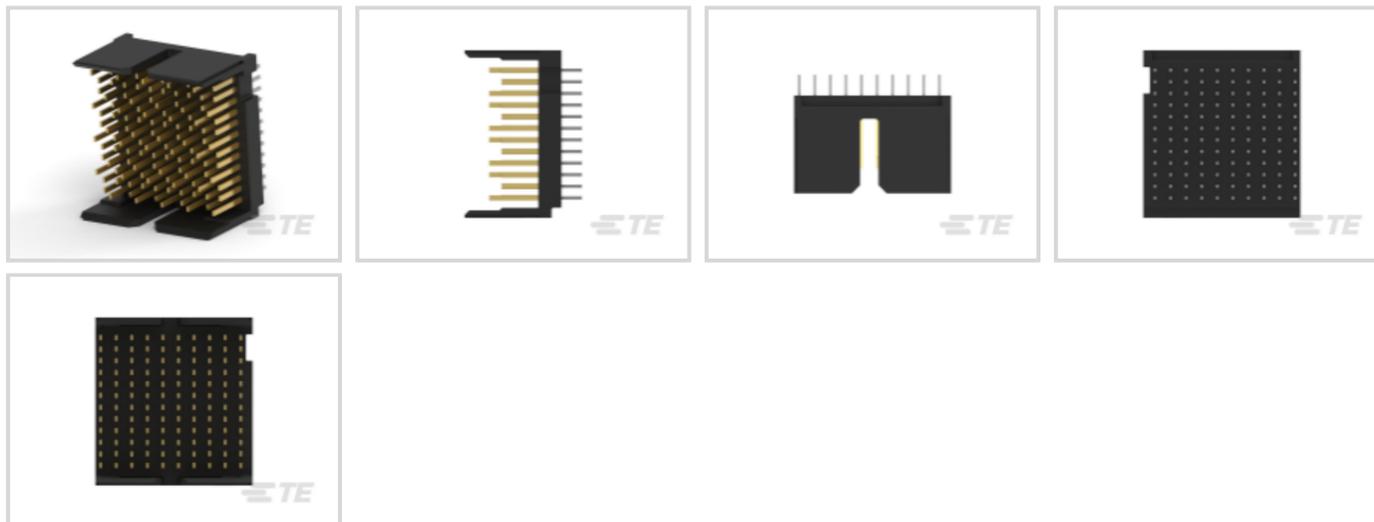
TE Internal #: 1934311-1

120 Position High Speed Backplane Connector, 12 Row, 10 Column, PCB Mount Header, Vertical, Partially Shrouded, Z-PACK TinMan

[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 & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
Backplane Module Type	Center
PCB Connector Type	PCB Mount Header
Shroud Style	Partially Shrouded

Configuration Features

Number of Pairs	40
Number of Signal Positions	80
Backplane Architecture	Traditional Backplane
Stackable	No
Pairs per Column	4
Number of Positions	120
Number of Rows	12



Number of Columns	10
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PCB Mount Orientation	Vertical
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Electrical Characteristics

Operating Voltage	250 VAC
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Impedance	100 Ω
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Signal Characteristics

Data Rate	10 Gb/s
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Differential Impedance	100 Ω
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Number of Differential Pairs per Column	4
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Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Thickness	.76 μm [29.92 μin]
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Contact Shape & Form	Rectangular
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PCB Contact Termination Area Plating Material Thickness	.5 μm [20 μin]
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Contact Mating Area Plating Material	Gold (Au)
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Contact Mating Area Length	6 mm[.236 in]
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Tin
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Contact Type	Pin
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Contact Current Rating (Max)	.5 A
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Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Termination Post & Tail Length	2.5 mm[.098 in]
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Mechanical Attachment

Guide Hardware	Without
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PCB Mount Retention	With
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Mating Retention	Without
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PCB Mount Retention Type	Action/Compliant Tail
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PCB Mount Alignment	Without
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Mating Alignment	With
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Mating Alignment Type	Guide Slot
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Connector Mounting Type	Board Mount
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Housing Features

Number of Shrouded Sides	2
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End Wall Location	Open
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Housing Material	Liquid Crystal Polymer (LCP)
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Centerline (Pitch)	1.9 mm[.075 in]
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Dimensions

Connector Width	20.2 mm
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Connector Height	11.8 mm
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PCB Hole Diameter	.47 mm
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Connector Length	11.8 mm
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Row-to-Row Spacing	1.4 mm[.055 in]
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Usage Conditions

Operating Temperature Range	-65 – 90 °C[-85 – 194 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Agency/Standards Products	UL
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UL Flammability Rating	UL 94V-0
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Compatible With Approved Standards Products	UL E28476
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Packaging Features

Packaging Method	Box & Tube, Tube
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250)
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Candidate List Declared Against: JUNE 2025 (250)
Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

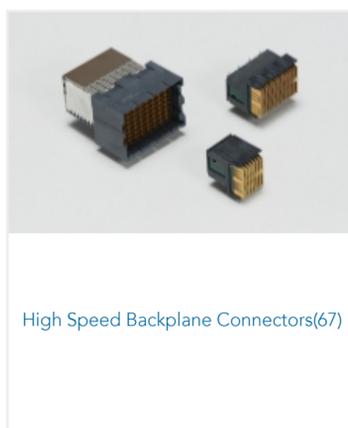
Product Compliance Disclaimer

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



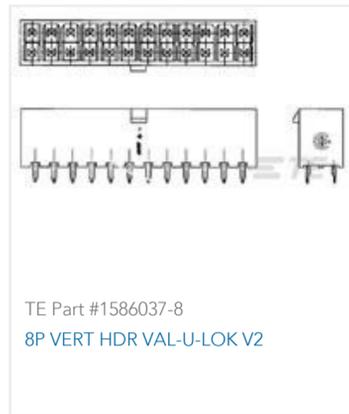
Also in the Series | Z-PACK TinMan



Customers Also Bought



TE Part #1-329631-2
JAM NUT, PLATED



TE Part #1586037-8
8P VERT HDR VAL-U-LOK V2



TE Part #1888247-1
20 POS SMT CONN, SFP/SFP+, 30A



TE Part #1888250-4
low profile rj45, 1x1 grn/grn



TE Part #1888251-4
low profile rj45, 1x4, grn/grn



TE Part #1934224-1
Tin Man Recept Assy 4 pair 10 Column



TE Part #1996884-1
4 Pos RF Module, Backplane, SMPM



TE Part #6469001-1
HM-ZD 4PR RECP 80P



TE Part #6469083-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part #2199155-2
DDR4 DIMM 288 Pin SMT type

Documents

Product Drawings

[Tin Man Header Assy4x10Open](#)

English

CAD Files

Customer View Model

[ENG_CVM_1934311-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1934311-1_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1934311-1_A.2d_dxf.zip](#)

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



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

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

UL Report

English