

1934353-1 ✓ ACTIVE

Z-PACK | Z-PACK TinMan

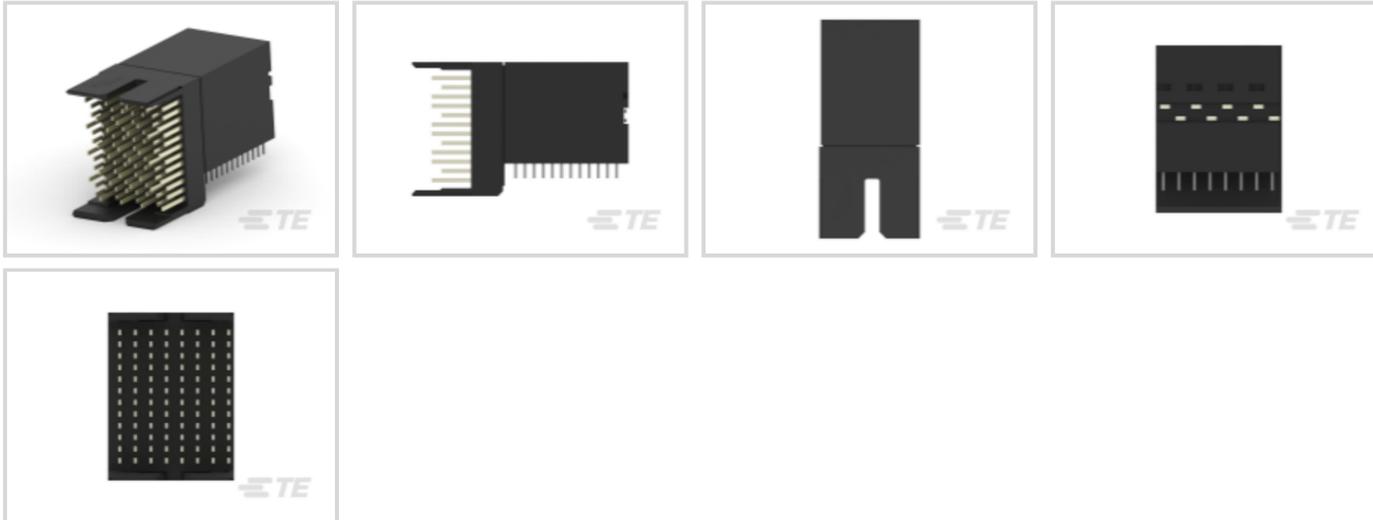
TE Internal #: 1934353-1

96 Position High Speed Backplane Connector, 12 Row, 8 Column,  
PCB Mount Header, Right Angle, Partially Shrouded, Z-PACK  
TinMan

[View on TE.com >](#)



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



Number of Positions: **96**

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	32
Number of Signal Positions	64
Backplane Architecture	Co-Planar
Stackable	No
Pairs per Column	4
Number of Positions	96
Number of Rows	12



Number of Columns	8
PCB Mount Orientation	Right Angle

### Electrical Characteristics

Operating Voltage	250 VAC
Impedance	100 $\Omega$

### Signal Characteristics

Data Rate	10 Gb/s
Differential Impedance	100 $\Omega$
Number of Differential Pairs per Column	4

### Body Features

Shield Material	Phosphor Bronze
Primary Product Color	Black

### Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	.5 $\mu\text{m}$ [20 $\mu\text{in}$ ]
Contact Shape & Form	Rectangular
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Length	6 mm[.236 in]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	.5 A

### Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.2 mm[.087 in]

### Mechanical Attachment

Guide Hardware	Without
PCB Mount Retention	With
Mating Retention	Without
PCB Mount Retention Type	Action/Compliant Tail
PCB Mount Alignment	Without
Mating Alignment	With



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	33 mm
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PCB Thickness (Recommended)	1.57 mm[.062 in]
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Connector Height	20.2 mm
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PCB Hole Diameter	.47 mm
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Connector Length	15.35 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

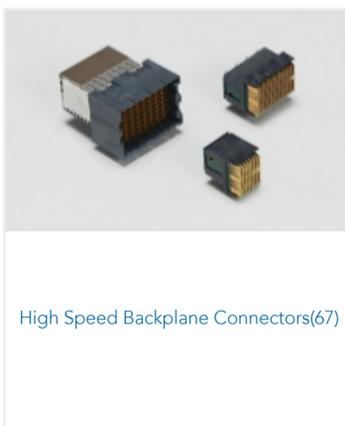
Product Compliance Disclaimer

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 #103309-1  
010 LOPRO HDR SP 30DP



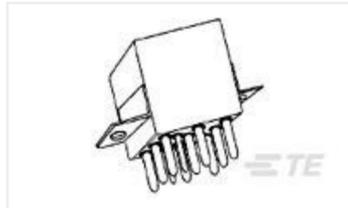
TE Part #6-103326-3  
26 MODII HDR DRRA B/A .100CL



TE Part #382811-8  
SHUNT, ECON, PHBR 5AU, BLACK



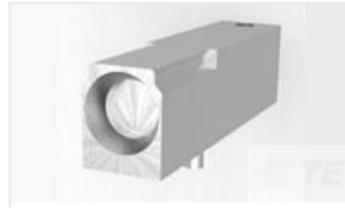
TE Part #4-1437565-1  
FSM4JSMA=SMT,TACTILE,PB SWITCH



TE Part #5-1617753-0  
FCA-325-BZ4



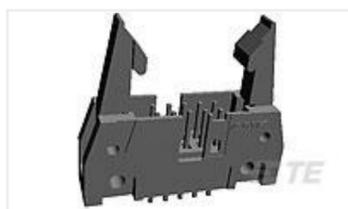
TE Part #2102737-1  
BP, Right End, MULTIGIG RT 2R



TE Part #5223957-1  
UPM GUIDE MODULE



TE Part #5223961-8  
UNV,PWR,MDL.HDR,R-PEGS



TE Part #5499910-4  
A/L UNIV HDR 20P VERT SHT LAT



TE Part #61320-4  
CMNL PCB SOK SNPB

## Documents

### Product Drawings

[Tinman R/A Header Assy 4x8 Open](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1934353-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1934353-1\\_B.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1934353-1\\_B.2d\\_dxf.zip](#)

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

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### Product Specifications

#### Application Specification

English