1934221-1 ✔ ACTIVE

Z-PACK | Z-PACK TinMan

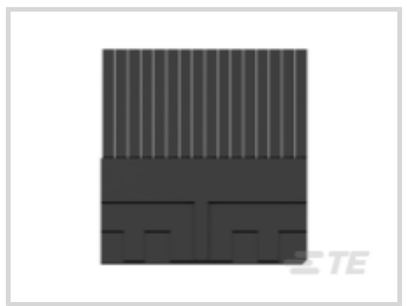
TE Internal #: 1934221-1

High Speed Backplane Connectors, 240 Position, Mating Alignment, Guide Slot Mating Alignment Type, 15 Row, 16 Column, Z-PACK TinMan

View on TE.com >

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







Number of Positions: **240**

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

Mating Alignment: **With**

Mating Alignment Type: **Guide Slot**

Number of Rows: **15**

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	5
Number of Pairs	80
Stackable	No
Number of Signal Positions	160
Backplane Architecture	Traditional Backplane
Number of Positions	240
Number of Rows	15
Number of Columns	16

PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	250 VAC

Signal Characteristics

Differential Impedance	100 Ω
Number of Differential Pairs per Column	5
Data Rate	10 Gb/s

Body Features

Shield Material	Phosphor Bronze
Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Thickness	.5 µm[20 µin]
Contact Type	Receptacle
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Dual Beam
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A

Termination Features

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

Mechanical Attachment

Guide Hardware	Without
Mating Retention	Without
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment	With
Mating Alignment Type	Guide Slot
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	30.55 mm
Connector Height	24.4 mm
Connector Width	31.81 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
PCB Hole Diameter	.47 mm
Row-to-Row Spacing	1.4 mm[.055 in]

Usage Conditions

Operating Temperature Range	-65 - 90 °C[-85 - 194 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Method	Box & Tube, Tube

Product Compliance

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

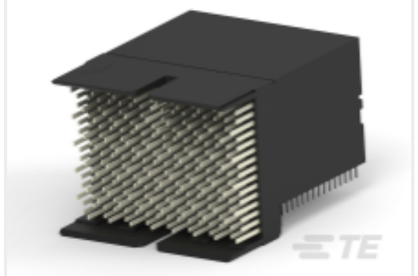
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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

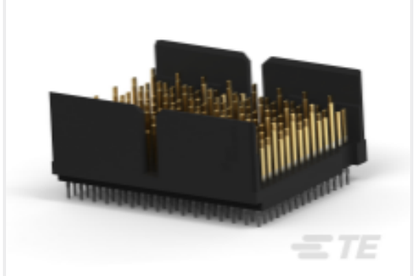
Product Compliance Disclaimer

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

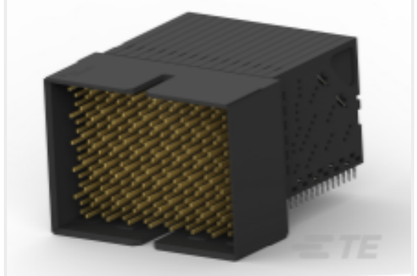
Compatible Parts



TE Part # 1934347-1
TinMan R/A Header Assy 5x16 Open



TE Part # 1934331-1
Tin man Header Assy 5x16 Open



TE Part # 1934348-1
TinMan R/A Header Assy 5x16 Do



TE Part # 1934332-1
Tin man Header Assy5x16 Double



TE Part # 1934333-1
Tin Man Header Assy 5X16 left



TE Part # 1934334-1
Tin man Header Assy 5x16 Right

Also in the Series | Z-PACK TinMan



High Speed Backplane Connectors(65)

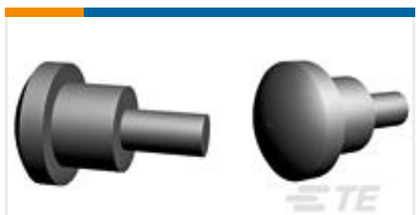
Customers Also Bought



TE Part # 1-1393210-5
T9AS1D12-18



TE Part # 5-5223961-1
TE UPM R/A Header 3P HC Power, LLL



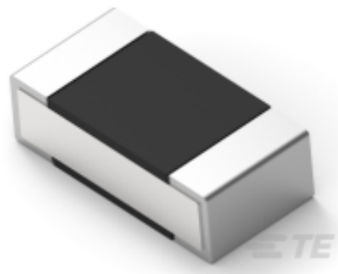
TE Part # 900167-1
CROSS-RECESSED HEAD SCREW



TE Part # 770829-1
04P CMNL HDR R/A BLK HT T/L



TE Part # 2-2176330-8
CRGP 2010 1K8 1%



TE Part # 2-2176306-9
RP 1E 0.1W 2K26 0.1% 25PPM 5K RL

Documents

Product Drawings

Tin Man Recept Assy 5 Pair 16 Column

English

CAD Files

Customer View Model

ENG_CVM_CVM_1934221-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1934221-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1934221-1_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

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

English

Solutions for AdvancedTCA, AdvancedTCA 300, MicroTCA, and AdvancedMC Standards Datasheet 3-1773445-8

English

Z-PACK TinMan High Speed High Density Backplane Connector Catalog 5-1773447-9

English

Product Specifications

Application Specification

English