1934222-1 ✔ ACTIVE

Z-PACK | Z-PACK TinMan

TE Internal #: 1934222-1

High Speed Backplane Connectors, Board-to-Board, 96 Position, Mating Alignment, Guide Slot Mating Alignment Type, 12 Row, 8 Column, Z-PACK TinMan

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors

Connector System: **Board-to-Board**

Number of Positions: **96**

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

Mating Alignment: **With**

Mating Alignment Type: **Guide Slot**

Features

Product Type Features

Signal Arrangement	Differential
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Receptacle
Shroud Style	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Pairs per Column	4
Number of Pairs	32
Stackable	No
Number of Signal Positions	64
Number of Positions	96
Number of Rows	12
Number of Columns	8

Backplane Architecture	Traditional Backplane
PCB Mount Orientation	Right Angle

Electrical Characteristics

UL Voltage Rating	250 VAC
Impedance	100 Ω
Operating Voltage	250 VAC

Signal Characteristics

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

Body Features

Shield Material	Phosphor Bronze

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

Mating Retention	Without
PCB Mount Alignment	Without
Guide Hardware	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)
Housing Color	Black
Centerline (Pitch)	1.9 mm[.075 in]

Dimensions

Connector Length	15.35 mm
Connector Height	20.2 mm
Connector Width	21.61 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

UL File Number	E28476
Agency/Standard	UL
UL Rating	Recognized
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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 1934304-1
Tin Man Header Assy 4x8 Right

TE Part # 1934226-1
Tin man Recpt Assy3pair8 Colum

TE Part # 1934353-1
Tinman R/A Header Assy 4x8 Open

TE Part # 1934306-1
Tin man Header Assy 4x8 Double

TE Part # 1934354-1
TinMan R/A Header Assy 4x8 Double

TE Part # 1934305-1
Tin Man Header Assy 4x8Open

TE Part # 1934225-1
Tin Man Recept Assy 4 Pair 16 Column

TE Part # 1934303-1
Tin man Header Assy 4x8 Left

Also in the Series | Z-PACK TinMan

High Speed Backplane Connectors(65)

Insertion & Extraction Tools(2)

Documents

Product Drawings

Tin Man Recpt Assy 4Pair8Column

English

Tin Man Recpt Assy 4Pair8Column

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_1934222-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1934222-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1934222-1_B.3d_stp.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

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