1934221-1 ✔ ACTIVE

Z-PACK | Z-PACK TinMan

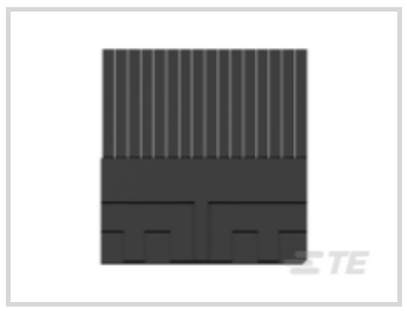
TE Internal #: 1934221-1

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

View on TE.com >

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







EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Number of Positions: **240**

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

Mating Alignment: **With**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

Signal Arrangement	Differential
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Receptacle
Shroud Style	Unshrouded

Configuration Features

Number of Pairs	80
Number of Signal Positions	160
Backplane Architecture	Traditional Backplane
Stackable	No
Pairs per Column	5

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

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

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 µm[20 µin]
Contact Shape & Form	Dual Beam
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Receptacle
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
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 Width	31.81 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	24.4 mm
PCB Hole Diameter	.47 mm
Connector Length	30.55 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
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Method	Tube, Box & Tube

Product Compliance

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

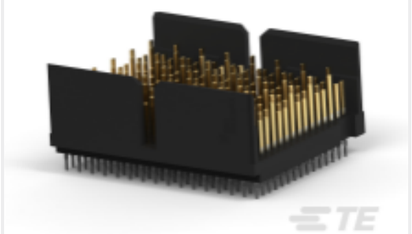
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241)

	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

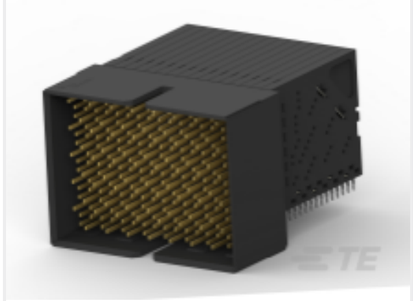
Product Compliance Disclaimer

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



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



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



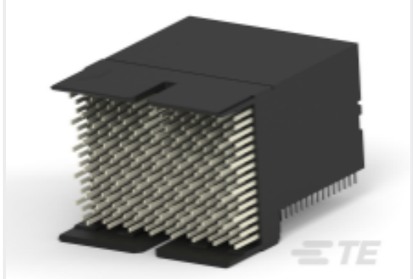
TE Part # 1934332-1
Tin man Header Assy5x16 Double



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

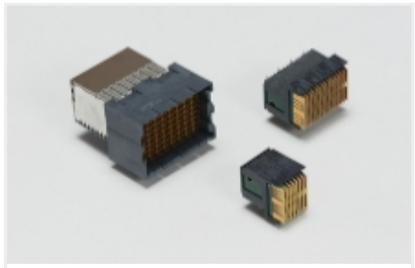


TE Part # 1934334-1
Tin man Header Assy 5x16 Right



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

Also in the Series | Z-PACK TinMan



High Speed Backplane Connectors(68)

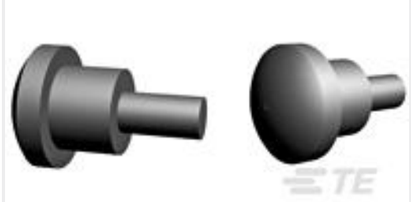
Customers Also Bought



TE Part #1-1393210-5
T9AS1D12-18



TE Part #2170129-1
Recpt RJ.5 W/O MAG, 1X2 OFFSET



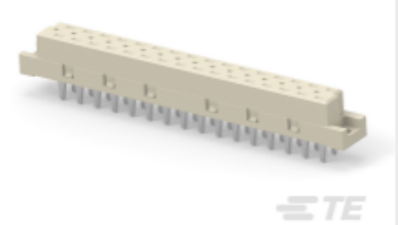
TE Part #900167-1
CROSS-RECESSED HEAD SCREW



TE Part #3-794681-4
04P MICRO MNL ASSY,VRT,THRU,LF



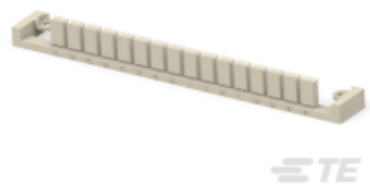
TE Part #1-1393243-9
RTE25005



TE Part #354442-E
STVD 32 F AC GG 7-01 EE 6,0 * 107 E 172



TE Part #2132186-1
EMI Gasket, QSFP/XFP 1x1



TE Part #414705-E
CODEZT STVCUE COLS * 172 CODIERUNG 4 414

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 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