1934346-1 ✔ ACTIVE

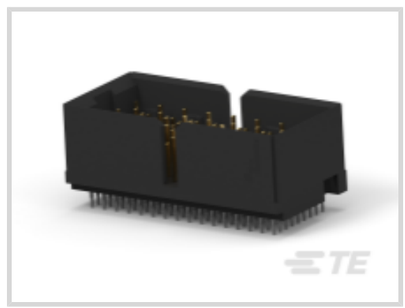
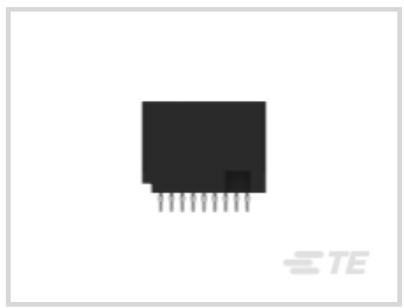
Z-PACK | Z-PACK TinMan

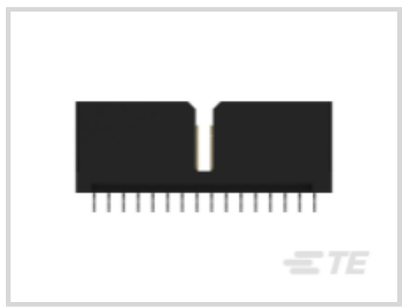
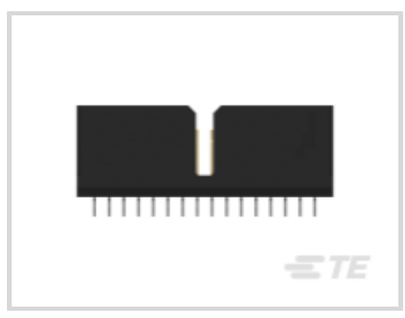
TE Internal #: 1934346-1

High Speed Backplane Connectors, 144 Position, Mating Alignment, Guide Slot Mating Alignment Type, 9 Row, 16 Column, PCB Mount Header, Z-PACK TinMan

View on TE.com >

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

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

Number of Positions: **144**

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 Header
Shroud Style	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Pairs per Column	3
Number of Pairs	48
Stackable	No
Number of Signal Positions	96
Backplane Architecture	Traditional Backplane
Number of Positions	144
Number of Rows	9
Number of Columns	16

PCB Mount Orientation	Vertical

Electrical Characteristics

Impedance	100 Ω
Operating Voltage	250 VAC

Signal Characteristics

Differential Impedance	100 Ω
Number of Differential Pairs per Column	3
Data Rate	10 Gb/s

Body Features

Primary Product Color	Black

Contact Features

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

Termination Features

Termination Post & Tail Length	2.5 mm[.098 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	4
End Wall Location	Dual
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.9 mm[.075 in]

Dimensions

Connector Length	33.15 mm
Connector Height	11.8 mm
Connector Width	16 mm
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

Agency/Standard	UL
Approved Standards	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

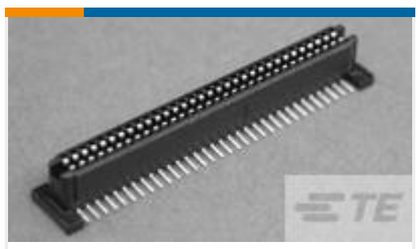
TE Part # 1934229-1
Tin Man Recpt Assy 3 Pair16 Column

Also in the Series | Z-PACK TinMan

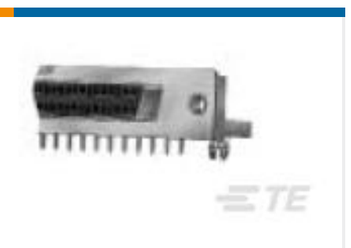
High Speed Backplane Connectors(65)

Customers Also Bought

TE Part #5120527-1
1FHP,64,30A/S,S,N,S10,12,13,15



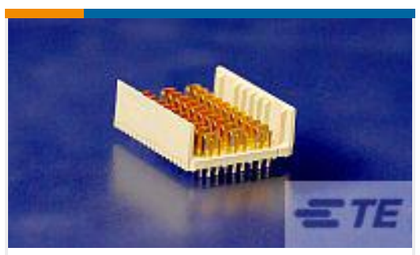
TE Part #5120521-1
1FHR,64,30A/S,S,N,S08,09,10



TE Part #5787170-7
68 50SR R/A RCPT ASSY,RDSN L/F

TE Part #1367073-1
20 POS SMT CONN, SFP, 15AU

TE Part #1735446-6
2MM PITCH HPI POST HEADER, VERTICAL, 6P



TE Part #6469085-1
HMZD 3PAIR, HDR ASSY, 25MM MOD

TE Part #1761987-9
ReceptacleConnAssm38PosTape/Re

TE Part #3-5338556-1
8/8 MOD JACK ASSY SE

TE Part #1982295-2
ELCON MINI 2P RA HEADER,W/O CODING

Documents

Product Drawings

Tin Man Header Assy 3x16 Double

English

CAD Files

Customer View Model

ENG_CVM_1934346-1_B.3d_stp.zip

English

Customer View Model

ENG_CVM_1934346-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_1934346-1_B.3d_igs.zip

English

3D PDF

English

Datasheets & Catalog Pages

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

English

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

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English