Tin Man Recept Assy 4 pair10 Column ✔ ACTIVE

Z-PACK | Z-PACK TinMan

TE Part # 1934224-1

TE Internal #: 1934224-1

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Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors



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

Number of Positions: **120**

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

Mating Alignment: **With**

Mating Alignment Type: **Guide Slot**

Features

Product Type Features

Make First / Break Last	No
Product Type	Connector
Signal Arrangement	Differential
Connector Type	Connector Assembly
Connector System	Board-to-Board
Row-to-Row Spacing	1.4 mm[.055 in]
Connector Style	Receptacle
Shrouded	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Pairs per Column	4
Number of Pairs	40
Stackable	No
Number of Signal Positions	80
Number of Positions	120
Number of Rows	12
Number of Columns	10
Board-to-Board Configuration	Co-Planar, Right Angle
PCB Mount Orientation	Right Angle

Electrical Characteristics

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

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

Contact Type	Socket
Contact Transmits (Typical)	Signal (Data)
PCB Contact Termination Area Plating Material Thickness	.5 µm[20 µin]
Contact Mating Area Plating Material	Gold
Contact Design	Dual Beam
Contact Termination Area Plating Material	Tin
PCB Contact Termination Area Plating Material Finish	Matte
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A

Termination Features

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

Housing Material	LCP (Liquid Crystal Polymer)
Housing Color	Black
End Wall Location	None
Centerline (Pitch)	1.9 mm[.075 in]

Dimensions

Width	21.61 mm
Height	20.2 mm
Tail Length	2.2 mm[.087 in]
Length	19.15 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
PCB Hole Diameter	.47 mm

Usage Conditions

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

Operation/Application

For Use With	Header Assembly
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
UL File Number	E28476
UL Rating	Recognized
Agency/Standard	UL

Packaging Features

Packaging Method	Box & Tube, Tube

Product Compliance

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

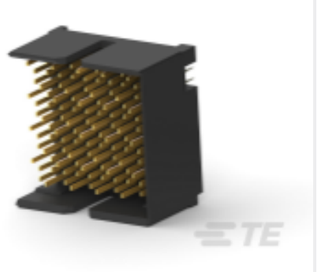
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JUN 2018 (191)

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

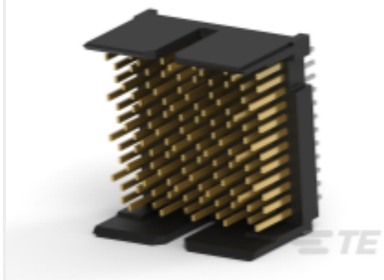
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

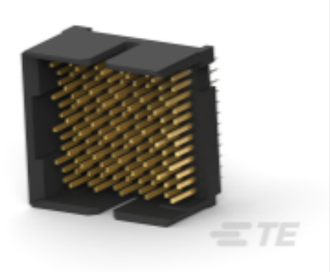
Compatible Parts



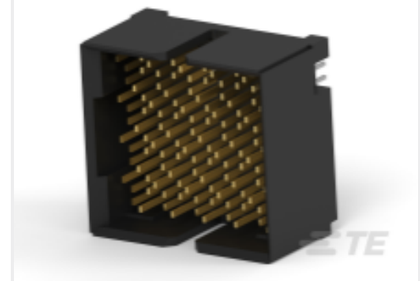
TE Part # 1934313-1
Tin Man Header Assy 4x10left



TE Part # 1934311-1
Tin Man Header Assy4x10Open



TE Part # 1934314-1
Tin Man Assy4x10Right



TE Part # 1934312-1
TinMan Header Assy 4x10Double

Also in the Series | Z-PACK TinMan



High Speed Backplane Connectors(63)

Customers Also Bought



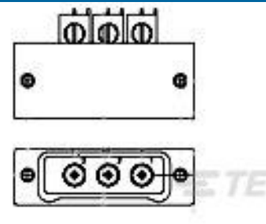
TE Part #1934311-1
Tin Man Header Assy4x10Open



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



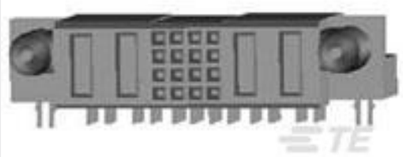
TE Part #2057404-1
IMP100S,R,RA2P10C,RG,39



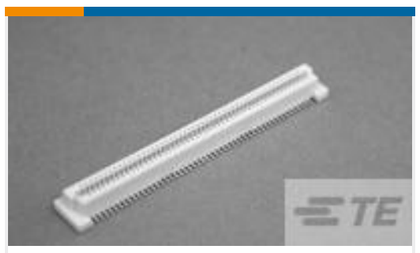
TE Part #1-1589072-0
CX040L2AQ = COAX



TE Part #1-6123002-0
0.8FH,P08H.5,200,30/Sn,TU



TE Part #3-6450170-1
MBXL R/A RCPT 2P+16S+2P



TE Part #5353999-6
0.8FH,R05H.5,140,30/Sn, TR,SC

TE Part #6-1546700-5
JC6-Q308-04=JC6 ASSEMBLY Matte Tin Pl



TE Part #6450874-1
MBXLE R/A RCPT,A/C PASS THRU 4ACP+12S+3P



TE Part #7-5179180-5
0.8FH,R09H.5,120,30/Sn, TR,SC

Documents

Product Drawings

Tin Man Recept Assy 4 pair10 Column

English

CAD Files

Customer View Model

ENG_CVM_CVM_1934224-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1934224-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1934224-1_B.3d_stp.zip

English

Datasheets & Catalog Pages

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

English

Product Specifications

Application Specification

English