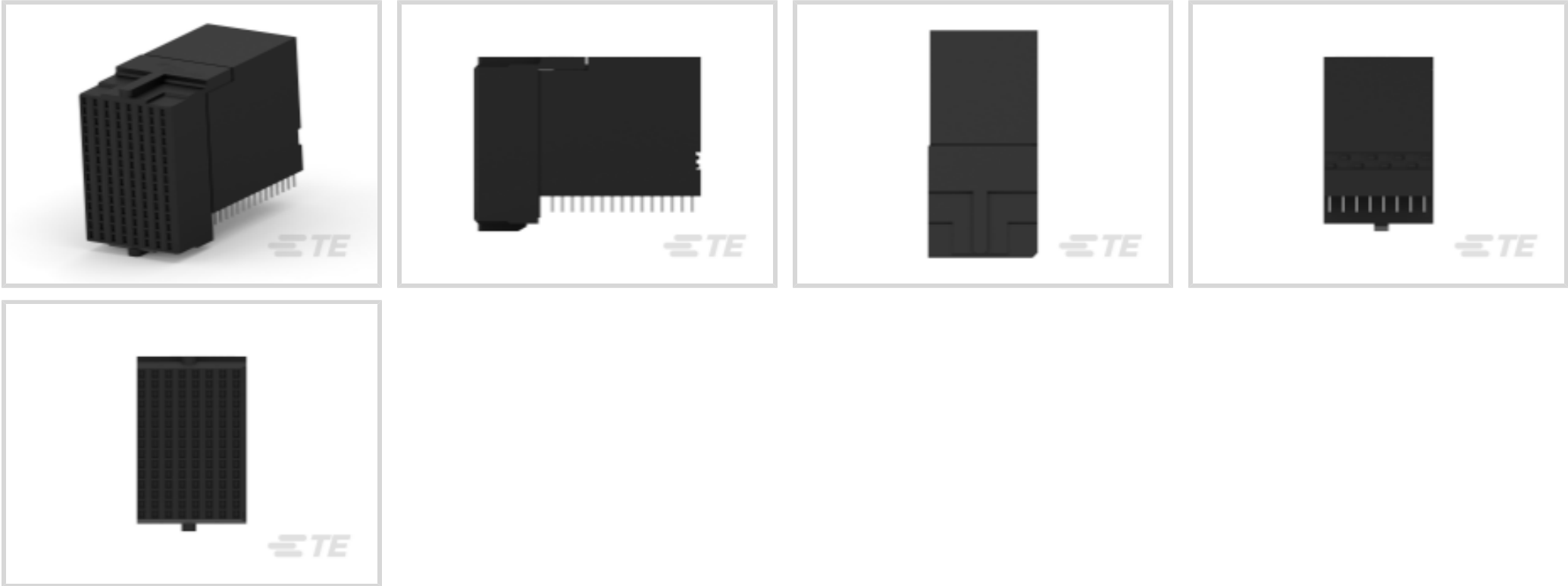




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 120
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 & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Receptacle
Shroud Style	Unshrouded

Configuration Features

Number of Pairs	40
Number of Signal Positions	80
Backplane Architecture	Traditional Backplane
Stackable	No
Pairs per Column	5
Number of Positions	120
Number of Rows	15
Number of Columns	8
PCB Mount Orientation	Right Angle



Electrical Characteristics

Operating Voltage	250 VAC
Impedance	100 Ω

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 (Au)
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
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	15.35 mm
Row-to-Row Spacing	1.4 mm[.055 in]

Usage Conditions

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

Circuit Application	Signal
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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	Box & Tube, Tube
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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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free

Not applicable for solder process capability

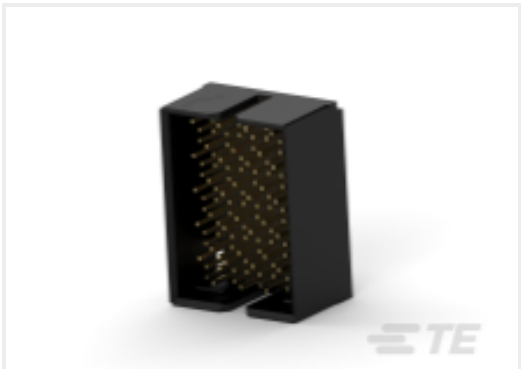
Product Compliance Disclaimer

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 # 1934350-1
TinMan R/A Header Assy 5x8 Dou



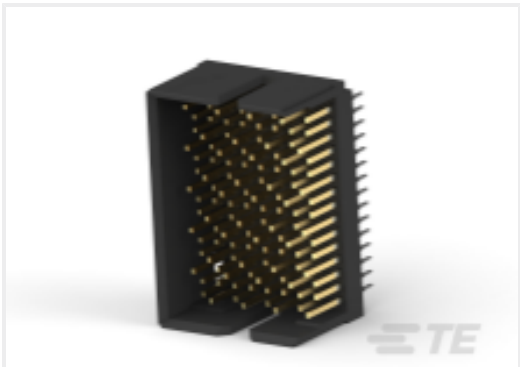
TE Part # 1934271-1
Tin Man Header Assy 5x8 Double



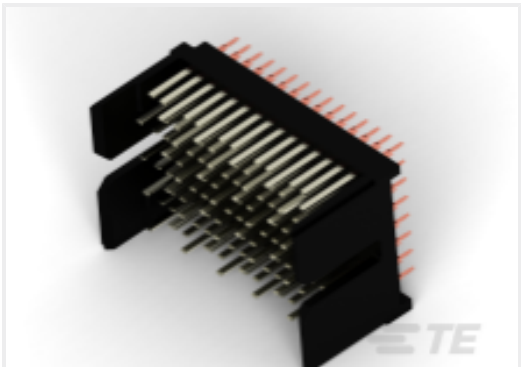
TE Part # 1934273-1
Tin Man Header Assy 5x8 Left



TE Part # 1934349-1
TinMan R/A Header Assy 5x8 Open

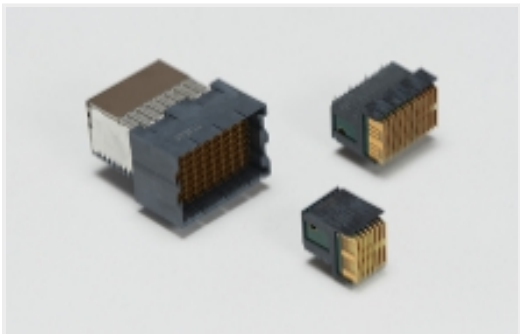


TE Part # 1934272-1
Tin Man Header Assy 5x8 left



TE Part # 1934269-1
Tin Man Header Assy 5x8 Open

Also in the Series | Z-PACK TinMan



High Speed Backplane Connectors(68)

Customers Also Bought





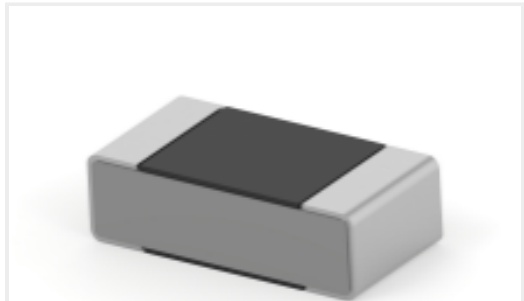
TE Part #1410946-2
MULTI-GIG SOC. CAP SCREW,
CUSTOMIZED HDW



TE Part #3-2176215-1
CPF A 0402 20K 0.1% 25PPM 1K RL



TE Part #CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical,
Unshrouded, No Mating Alignment



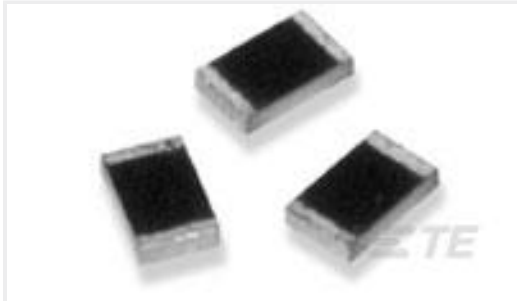
TE Part #3-2176263-2
RN 0402 51K1 0.1% 10PPM 5K RL



TE Part #3-2176215-5
CPF A 0402 33K 0.1% 25PPM 1K RL



TE Part #2007263-1
SFP+ 1x2 Cage Assembly



TE Part #7-1879274-0
RP 2A 2K0 0.1% 15PPM CUT LENGTH



TE Part #6-1624112-2
3650 0603 3.3nH 5% 2K RL



TE Part #3-2176091-3
RP 2A 0.25W 124R 0.1% 25PPM 1K RL

Documents

- Product Drawings
- Tin Man Recept Assy 5 pair 8 Column
- English
- Tin Man Recept Assy 5 pair 8 Column
- Japanese

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_1934218-1_B.2d_dxf.zip
- English
- Customer View Model
- ENG_CVM_CVM_1934218-1_B.3d_igs.zip
- English
- Customer View Model
- ENG_CVM_CVM_1934218-1_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