

1934221-1 ✓ ACTIVE

Z-PACK | Z-PACK TinMan

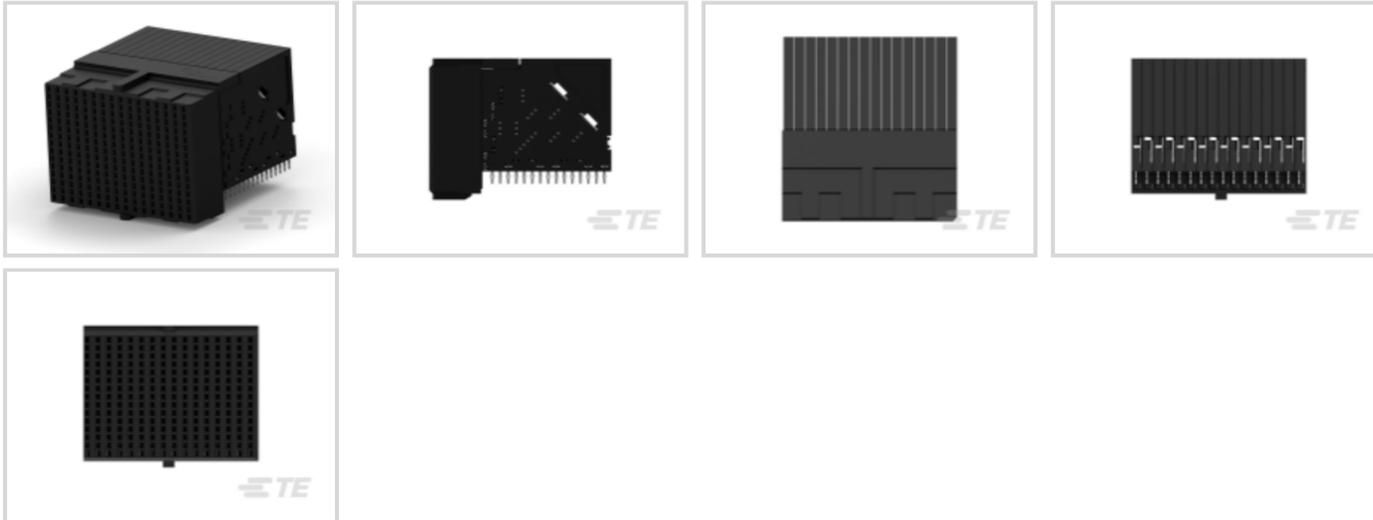
TE Internal #: 1934221-1

240 Position High Speed Backplane Connector, 15 Row, 16 Column, PCB Mount Receptacle, Right Angle, Unshrouded, Z-PACK TinMan

[View on TE.com >](#)



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



Number of Positions: **240**

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	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
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Electrical Characteristics

Operating Voltage	250 VAC
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Signal Characteristics

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

Shield Material	Phosphor Bronze
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Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
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PCB Contact Termination Area Plating Material Thickness	.5 μm [20 μin]
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Contact Shape & Form	Dual Beam
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Contact Mating Area Plating Material	Gold (Au)
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Tin
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Contact Type	Receptacle
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Contact Current Rating (Max)	.5 A
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Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Termination Post & Tail Length	2.2 mm[.087 in]
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Mechanical Attachment

Guide Hardware	Without
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PCB Mount Retention	With
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Mating Retention	Without
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PCB Mount Retention Type	Action/Compliant Tail
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PCB Mount Alignment	Without
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Mating Alignment	With
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Mating Alignment Type	Guide Slot
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Connector Mounting Type	Board Mount
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Housing Features



Number of Shrouded Sides	0
End Wall Location	None
Housing Material	Liquid Crystal Polymer (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	30.55 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per



homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not applicable for solder process capability

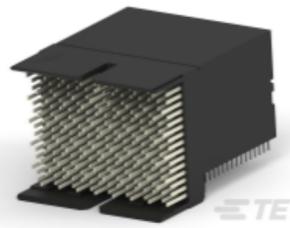
Product Compliance Disclaimer

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 # 1934333-1
Tin Man Header Assy 5X16 left



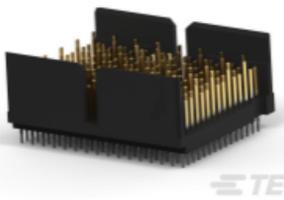
TE Part # 1934347-1
TinMan R/A Header Assy 5x16 Open



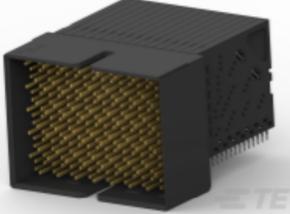
TE Part # 1934334-1
Tin man Header Assy 5x16 Right



TE Part # 1934332-1
Tin man Header Assy 5x16 Double

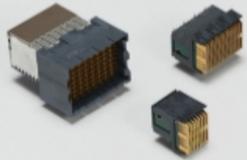


TE Part # 1934331-1
Tin man Header Assy 5x16 Open



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

Also in the Series | Z-PACK TinMan

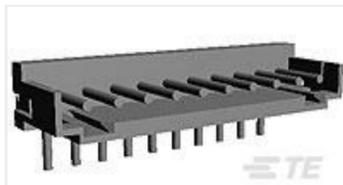


High Speed Backplane Connectors(67)

Customers Also Bought



TE Part #120958-2
UPM EXPANDED PIN ASSEMBLY



TE Part #292253-2
CT CONN MT HDR ASSY H 2P NAT



TE Part #1775441-4
EMIX CONN., 1.5MM PITCH, RCPT, HSG, 4P



TE Part #1934332-1
Tin man Header Assy5x16 Double



TE Part #2000676-9
Keyed Guide Pin, Machined, Multigig



TE Part #2102735-1
BP, Half Left End, MULTIGIG RT 2R



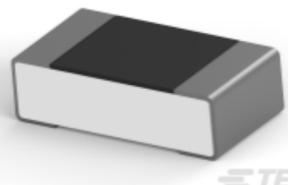
TE Part #2102736-1
BP, Center, MULTIGIG RT 2R



TE Part #2102737-1
BP, Right End, MULTIGIG RT 2R



TE Part #2102772-1
DC, 7Row, Half Left End, MULTIGIG RT 2R



TE Part #4-2176368-1
RQ 0603 130K 0.1% 10PPM 1K RL

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

[Z-PACK TinMan High Speed High Density Backplane Connector Catalog 5-1773447-9](#)

English

[Solutions for AdvancedTCA, AdvancedTCA 300, MicroTCA, and AdvancedMC Standards Datasheet 3-1773445-8](#)

English

[Product Specifications](#)

[Application Specification](#)

English