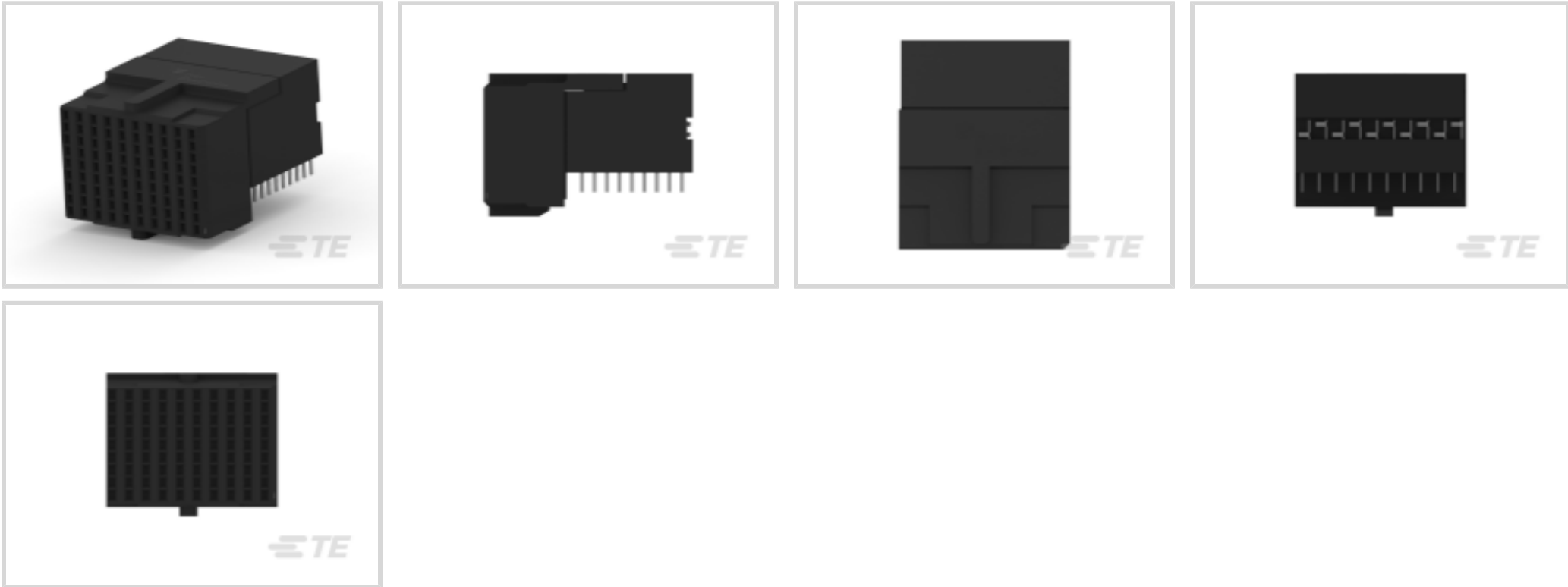




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 90
Row-to-Row Spacing: 1.4 mm [.055 in]
Mating Alignment: With
Mating Alignment Type: Guide Slot
Number of Rows: 9

Features

Product Type Features

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

Configuration Features

Pairs per Column	3
Number of Pairs	30
Stackable	No
Number of Signal Positions	60
Backplane Architecture	Traditional Backplane
Number of Positions	90
Number of Rows	9
Number of Columns	10



PCB Mount Orientation	Right Angle
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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

Shield Material	Phosphor Bronze
Primary Product Color	Black

Contact Features

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

Termination Features

Termination Post & Tail Length	2.2 mm[.087 in]
Termination Method to PCB	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	0
End Wall Location	None
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.9 mm[.075 in]

Dimensions

Connector Length	19.15 mm
Connector Height	16 mm
Connector Width	23.41 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
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]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Bag, Box & 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: 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



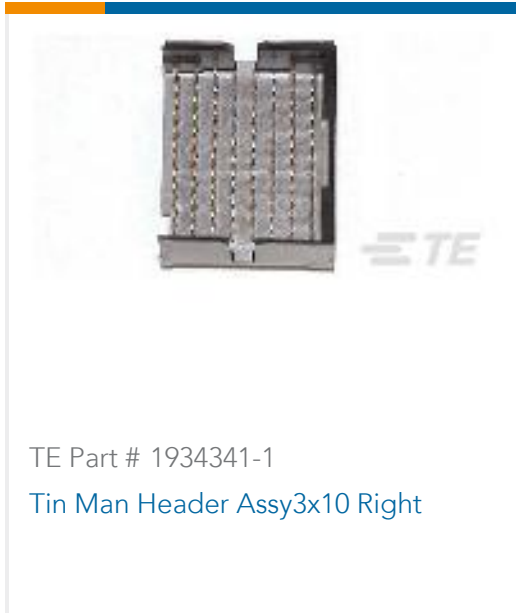
TE Part # 1934342-1
Tin Man Header Assy 3x10 Double



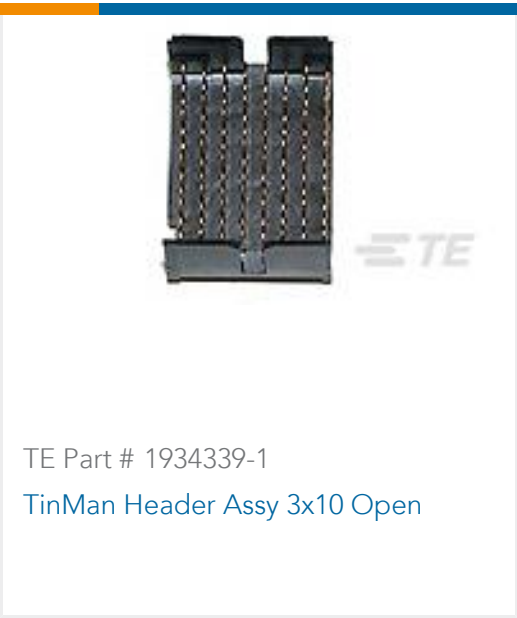
TE Part # 1934357-1
Tinman R/A Header Assy 3x10 Open




TE Part # 1934340-1
Tin Man Assy 3x10Left



TE Part # 1934341-1
Tin Man Header Assy3x10 Right

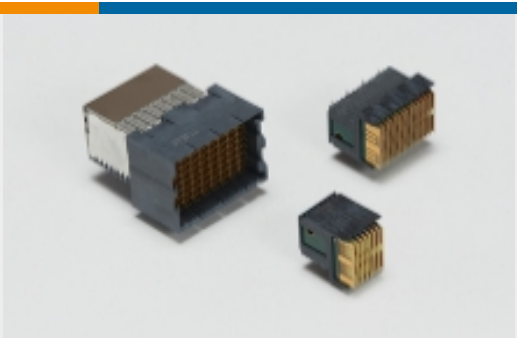


TE Part # 1934339-1
TinMan Header Assy 3x10 Open



TE Part # 1934358-1
TinMan R/A Header Assy3x10 double

Also in the Series | Z-PACK TinMan



High Speed Backplane Connectors(65)

Customers Also Bought





TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #W2S
Wedgelocks: DEUTSCH DT




TE Part #0460-202-16141
DEUTSCH Solid Contacts



TE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

Tin Man Recept Assy 3 pair10 C

English

CAD Files

Customer View Model

ENG_CVM_CVM_1934228-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1934228-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1934228-1_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

Product Specifications

Application Specification

English

