

1934357-1 ACTIVE

Z-PACK | Z-PACK TinMan

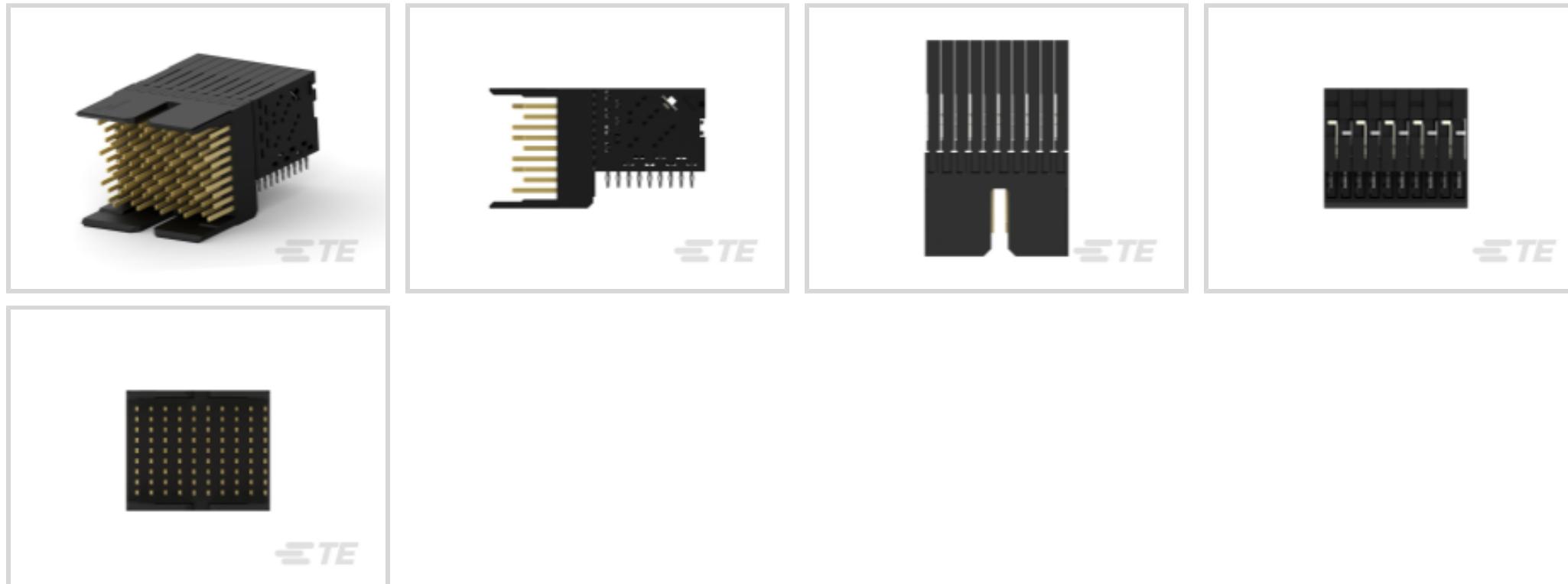
TE Internal #: 1934357-1

High Speed Backplane Connectors, 90 Position, Mating Alignment, Guide Slot Mating Alignment Type, 9 Row, 10 Column, PCB Mount Header, Z-PACK TinMan

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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

Backplane Module Type	Center
Signal Arrangement	Differential
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Partially Shrouded

Configuration Features

Pairs per Column	3
Number of Pairs	30
Stackable	No
Number of Signal Positions	60
Backplane Architecture	Co-Planar
Number of Positions	90
Number of Rows	9

Number of Columns	10
PCB Mount Orientation	Right Angle
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	
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	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	2.2 mm [.087 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

2

End Wall Location

Open

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

28.8 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]

Operation/Application

Circuit Application

Signal

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

Box & Tube, Tube

Product ComplianceFor 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 2024
(240)

Candidate List Declared Against: JAN 2024
(240)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

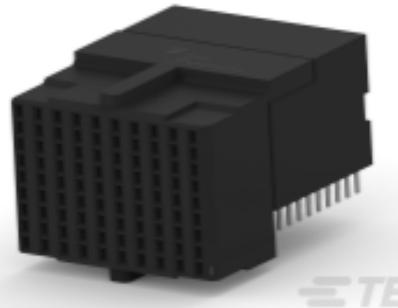
Solder Process Capability

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



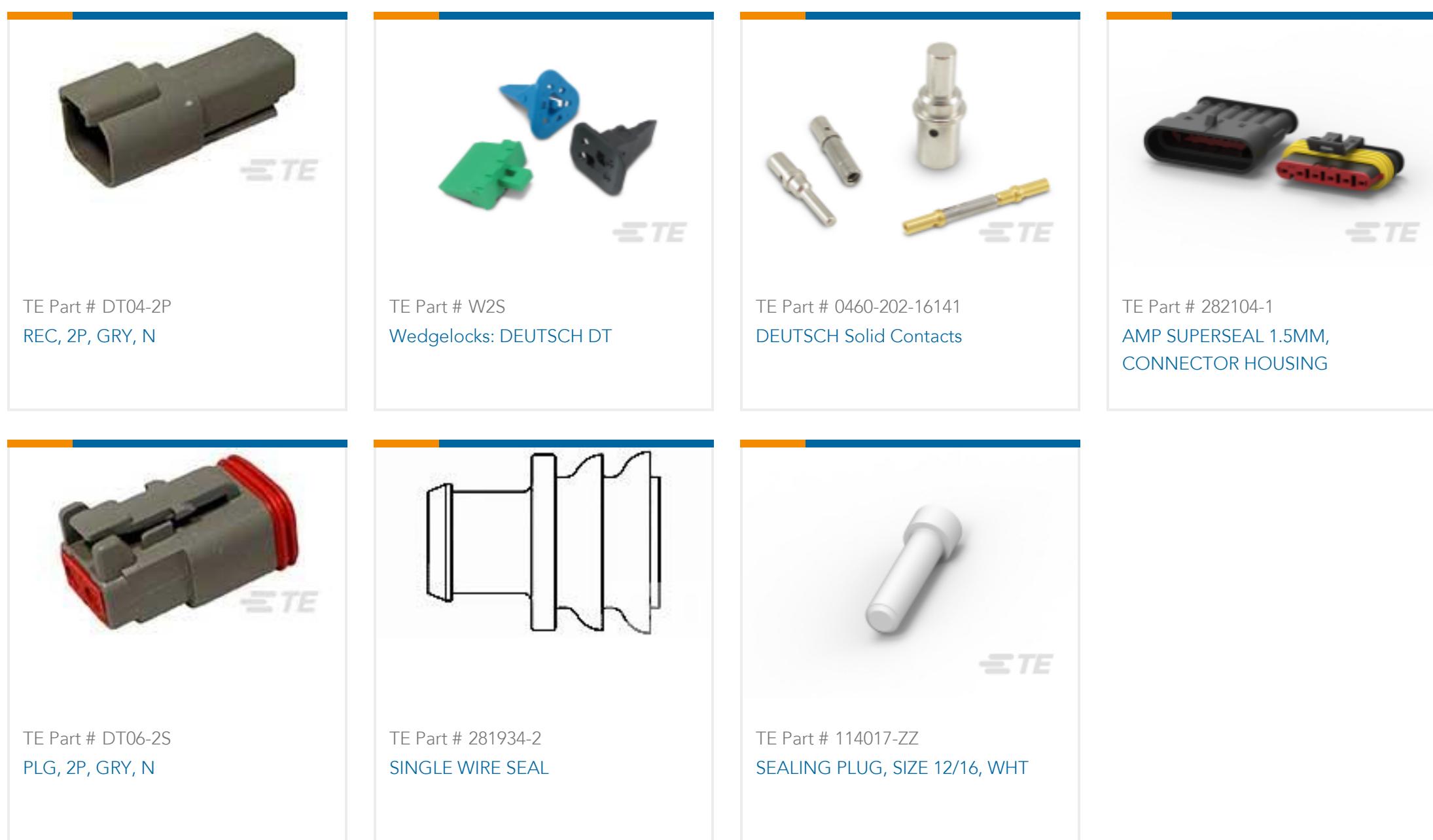
TE Part # 1934228-1
Tin Man Recept Assy 3 pair10 C

Also in the Series | Z-PACK TinMan



High Speed Backplane Connectors(65)

Customers Also Bought



Documents

Product Drawings

[Tinman R/A Header Assy 3x10 Open](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_1934357-1_B.2d_dxf.zip](#)

English

3D PDF

3D

[Customer View Model](#)

[ENG_CVM_CVM_1934357-1_B.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_1934357-1_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

Product Specifications

[Application Specification](#)

English