

1934318-1

✓ ACTIVE

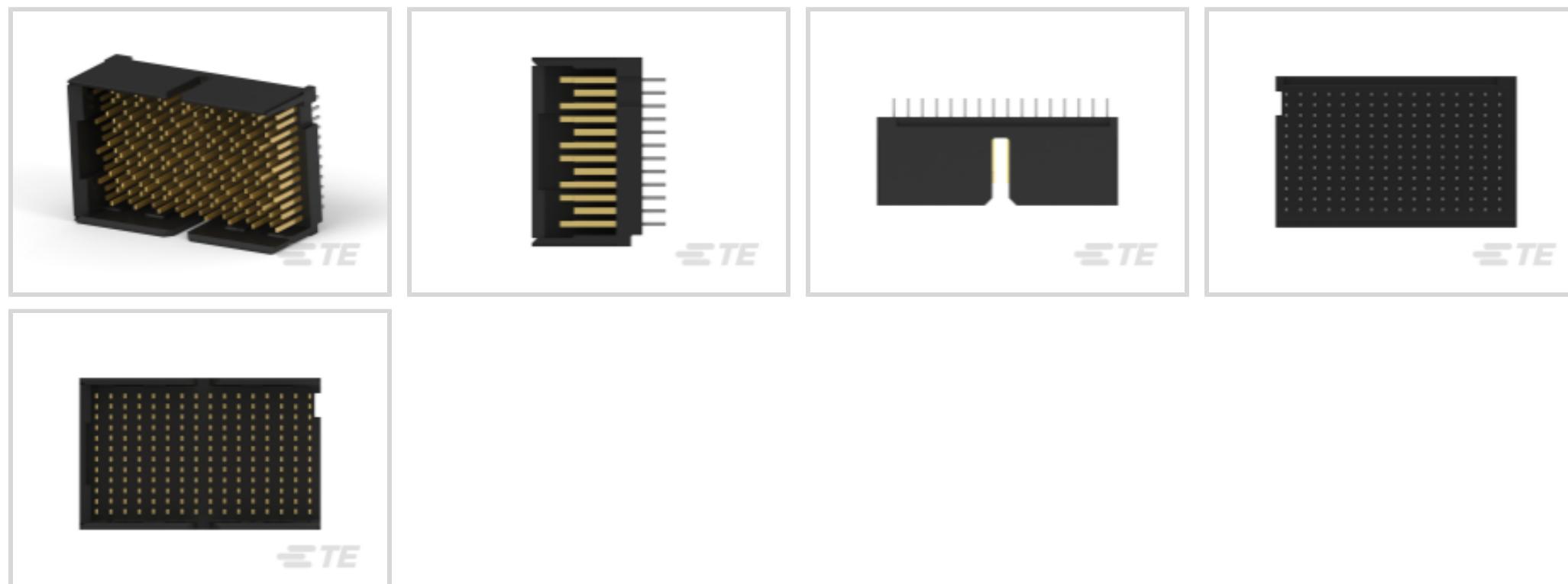
Z-PACK | Z-PACK TinMan

TE Internal #: 1934318-1

High Speed Backplane Connectors, 192 Position, Mating  
 Alignment, Guide Slot Mating Alignment Type, 12 Row, 16 Column,  
 PCB Mount Header, Z-PACK TinMan

[View on TE.com >](#)

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



Number of Positions: **192**

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

Mating Alignment: **With**

Mating Alignment Type: **Guide Slot**

Number of Rows: **12**

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Backplane Module Type             | Right                 |
| 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           | 4                     |
| Number of Pairs            | 64                    |
| Stackable                  | No                    |
| Number of Signal Positions | 128                   |
| Backplane Architecture     | Traditional Backplane |
| Number of Positions        | 192                   |
| Number of Rows             | 12                    |

|                       |          |
|-----------------------|----------|
| Number of Columns     | 16       |
| PCB Mount Orientation | Vertical |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Impedance         | 100 Ω   |
| Operating Voltage | 250 VAC |

### Signal Characteristics

|   |         |
|---|---------|
| Differential Impedance                  | 100 Ω   |
| Number of Differential Pairs per Column | 4       |
| Data Rate                               | 10 Gb/s |

### Body Features

|                       |       |
|-----------------------|-------|
| 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 Thickness          | .76 µm[29.92 µin] |
| 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              | 2.5 mm[.098 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

3

End Wall Location

Right

Housing Material

LCP (Liquid Crystal Polymer)

Centerline (Pitch)

1.9 mm[.075 in]

**Dimensions**

Connector Length

11.8 mm

Connector Height

11.8 mm

Connector Width

20.2 mm

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 &amp; Tube, Tube

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://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

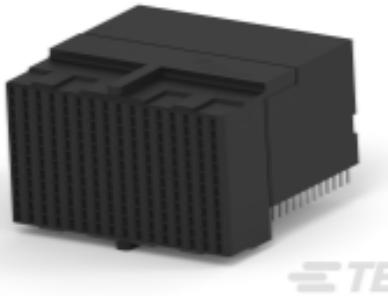
Solder Process Capability

Not applicable for solder process capability

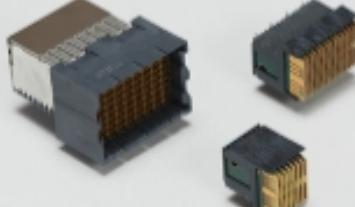
## Product Compliance Disclaimer

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

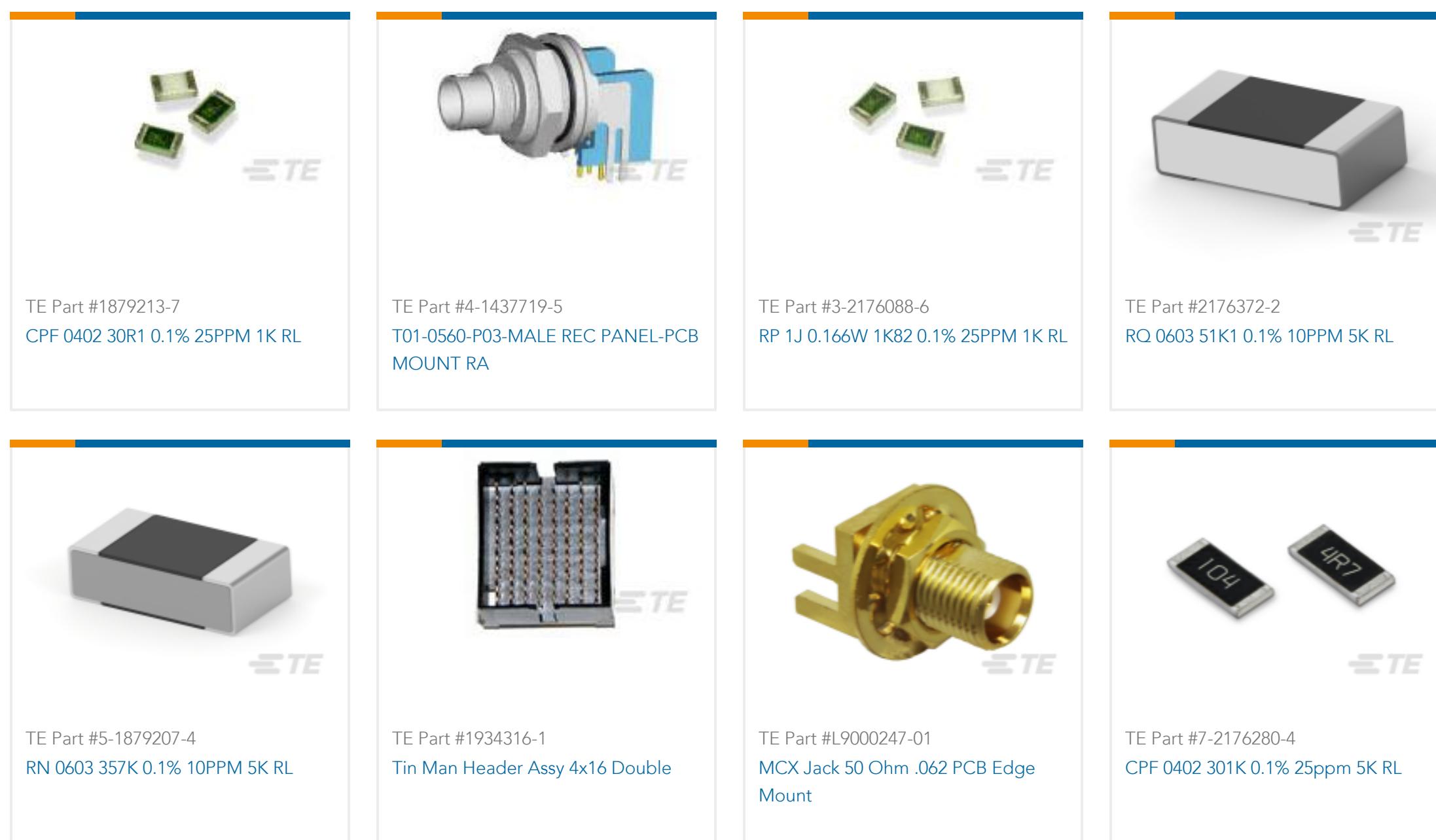


TE Part # 1934225-1  
Tin Man Recept Assy 4 Pair 16 Column

Also in the Series | [Z-PACK TinMan](#)

High Speed Backplane Connectors(65)

## Customers Also Bought



## Documents

### Product Drawings

[Tin Man Header Assy 4x16 Right](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1934318-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1934318-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1934318-1\\_A.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

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