

5352171-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 5352171-1

Hard Metric Backplane Connectors, PCB Mount Receptacle,  $\leq 1$  Gb

/s, 19 Column, 5 Row, Mezzanine, 95 Position, 2 mm [.078 in]

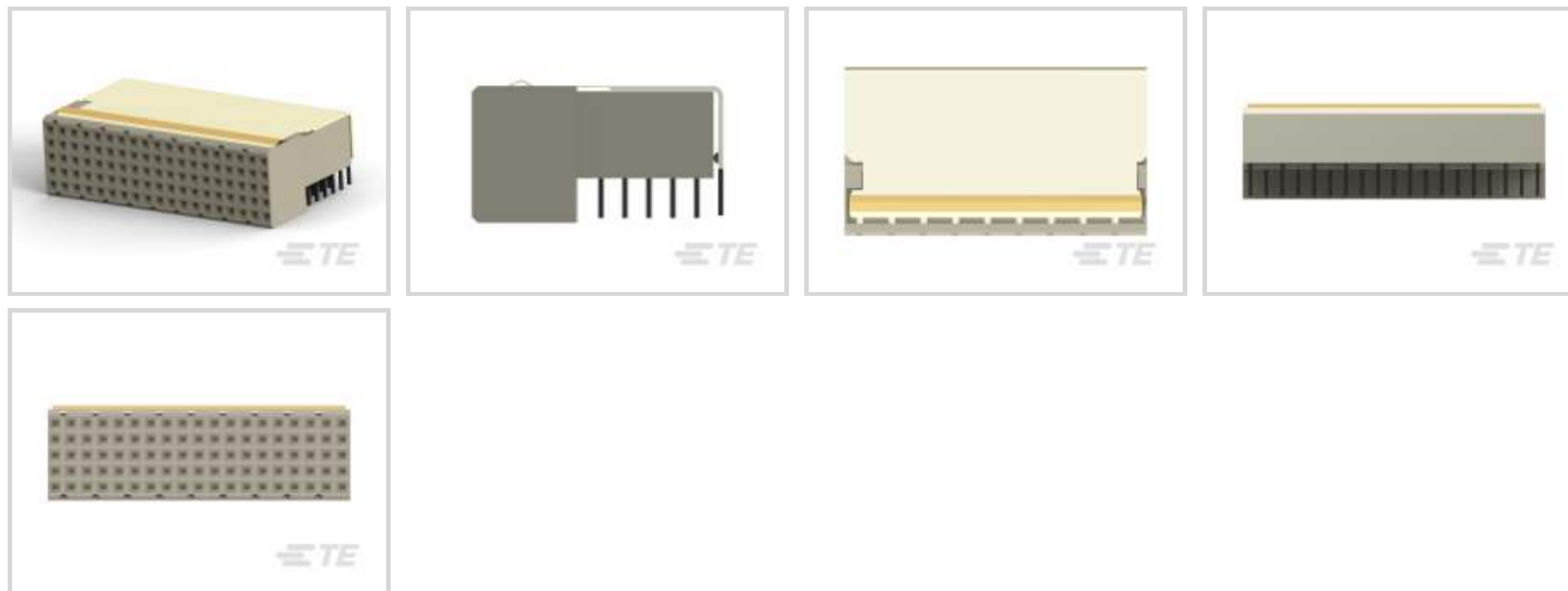
Centerline, Z-PACK 2mm HM

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[Connectors >](#) [PCB Connectors >](#) [Backplane Connectors >](#) [Hard Metric Backplane Connectors >](#)

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



PCB Connector Assembly Type: **PCB Mount Receptacle**

Data Rate:  $\leq 1$  Gb/s

Number of Columns: **19**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm \(48\)](#)

## Features

### Product Type Features

Backplane Interface Type	2mm HM
Ground Feature Type	Ground Return Shielding
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Mating & Unmating Configuration	Make First / Break Last
Rows Loaded	A, B, C, D, E
Number of Signal Positions	95
Number of Columns	19
Number of Rows	5



Backplane Architecture	Mezzanine
Number of Positions	95
PCB Mount Orientation	Right Angle

### Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

### Body Features

Primary Product Color	Gray
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### Contact Features

Feedthrough Post Length	3.3 mm
CompactPCI Designation	J3
Contact Type	Socket
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	1.27 μm[50 μin]
Contact Current Rating (Max)	1.5 A

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Housing Material	Polyester - GF
Centerline (Pitch)	2 mm[.078 in]

### Dimensions

Backplane Module Length	38 mm
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### Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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### Operation/Application

Shielded	Yes
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Circuit Application

Power &amp; Signal

### Industry Standards

UL Flammability Rating

UL 94V-0

### Packaging Features

Packaging Quantity

11

Packaging Method

Tube

### Other

Backplane Connector Comment

Female connector with pre-installed shield.

## 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 2023 (235)  
 Candidate List Declared Against: JAN 2023 (233)  
 Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl &gt; 900 ppm.

Solder Process Capability

Not applicable for solder process capability

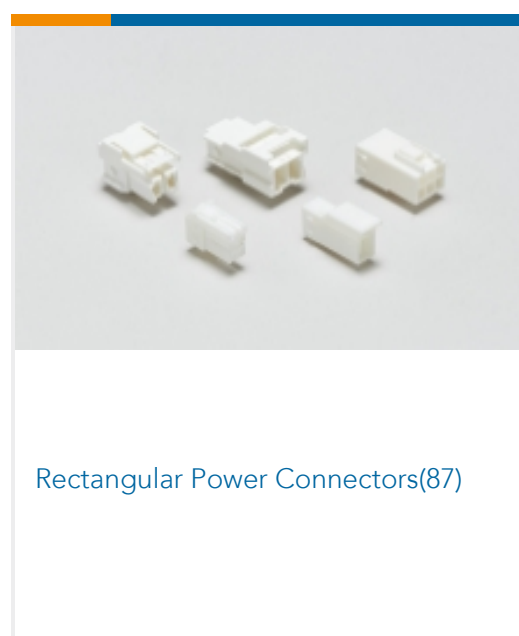
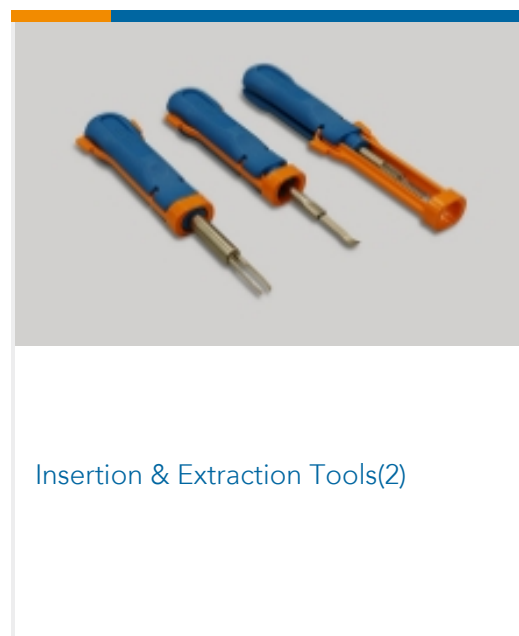
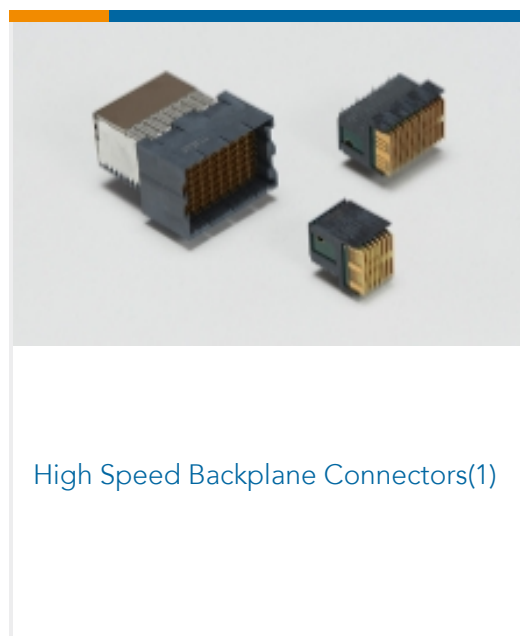
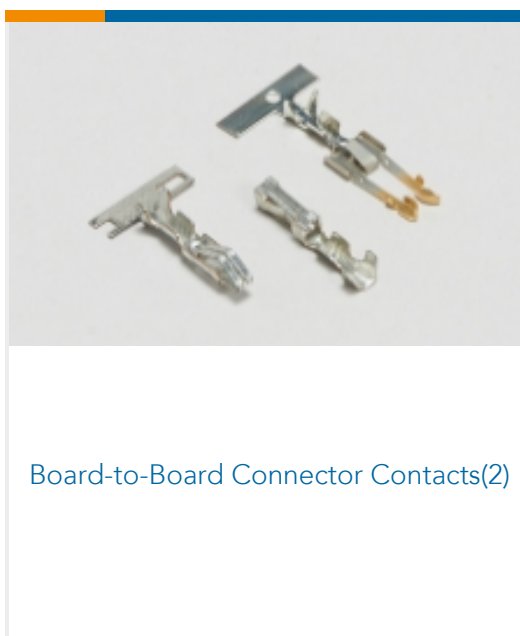
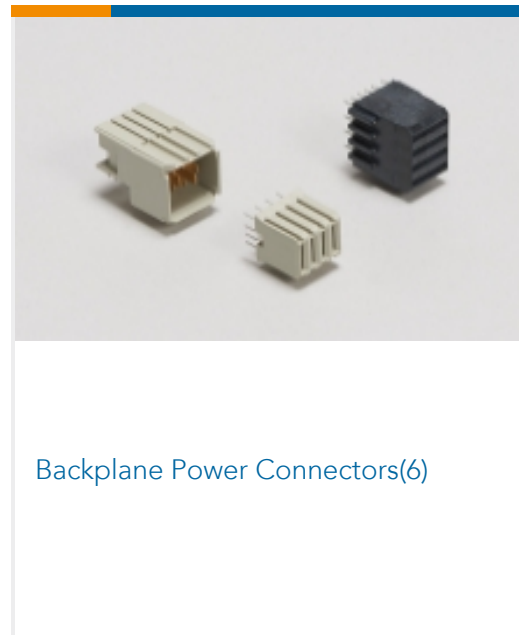
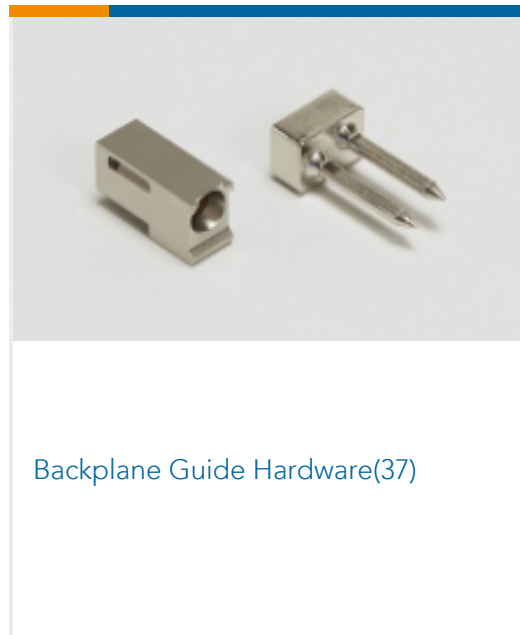
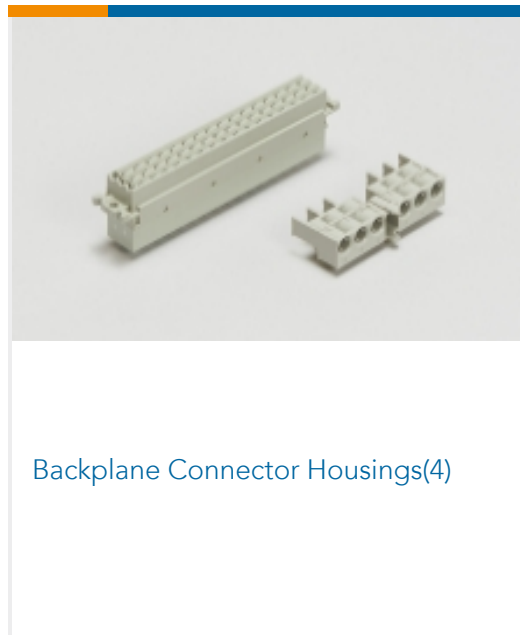
#### Product Compliance Disclaimer

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>

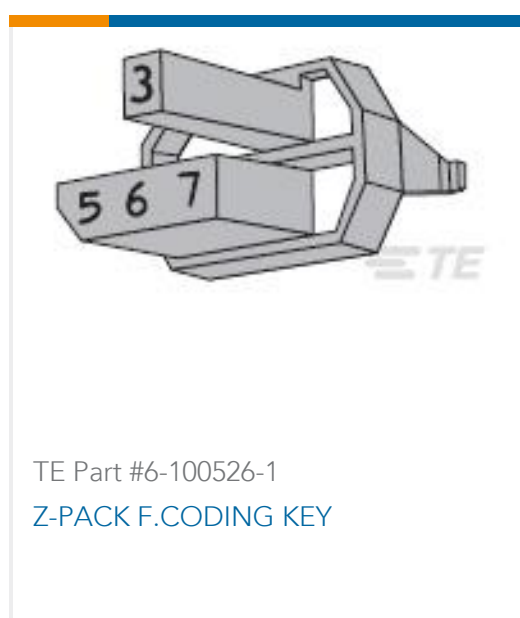
## Compatible Parts



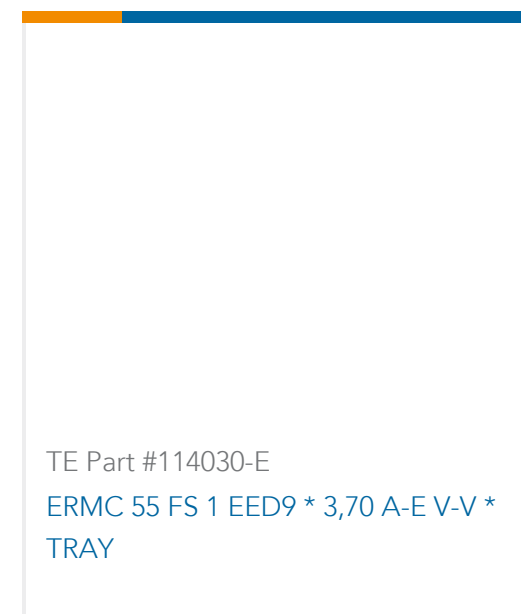
Also in the Series | Z-PACK 2mm HM



Customers Also Bought







## Documents

### Product Drawings

#### Z-PACK/B19 RAF 95P

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5352171-1\\_A.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5352171-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5352171-1\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English

### Product Environmental Compliance

[MD\\_5352171-1\\_04182018255\\_dmtec](#)

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