

5188256-1  ACTIVE

[Z-PACK | Z-PACK 2mm HM](#)

TE Internal #: 5188256-1

Hard Metric Backplane PCB Mount Header,  $\leq 1$  Gb/s, 25 Column, 7

Row, Mezzanine, 175 Position, 2 mm [.078 in] Centerline, Vertical,

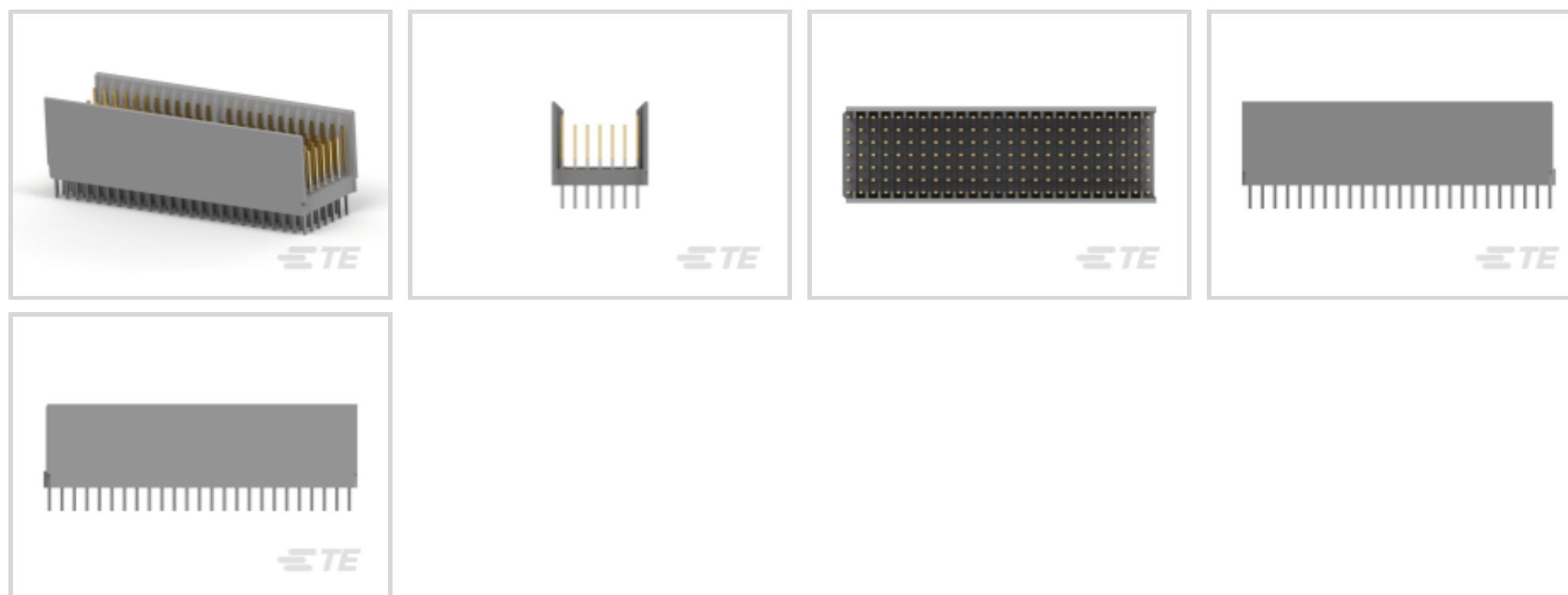
Gray, Z-PACK 2mm HM

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm



PCB Connector Assembly Type: **PCB Mount Header**

Data Rate:  **$\leq 1$  Gb/s**

Number of Columns: **25**

Number of Rows: **7**

Backplane Architecture: **Mezzanine**

[All Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm \(124\)](#)

## Features

### Mechanical Attachment

Connector Mounting Type

Board Mount

### Industry Standards

UL Flammability Rating

UL 94V-0

### Termination Features

Termination Method to PCB

Through Hole - Press-Fit

### Dimensions

Backplane Module Length

49.88 mm

### Operation/Application

Shielded

No

Circuit Application

Signal

### Contact Features

Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Feedthrough Post Length	3.7 mm
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.5 $\mu$ m[20 $\mu$ in]
Contact Current Rating (Max)	1.5 A

#### Packaging Features

Packaging Quantity	10
Packaging Method	Tube

#### Housing Features

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

#### Configuration Features

Rows Loaded	Z, B, C, D, E, F, A
Number of Signal Positions	175
Number of Columns	25
Number of Rows	7
Backplane Architecture	Mezzanine
Number of Positions	175
PCB Mount Orientation	Vertical

#### Signal Characteristics

Crosstalk Version	Reduced
Data Rate	$\leq 1$ Gb/s

#### Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Backplane Interface Type	2mm HM
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Header
Sealable	No

#### Body Features

Primary Product Color

Gray

**Usage Conditions**

Operating Temperature Range

-55 – 125 °C [-67 – 257 °F]

**Other**

EU RoHS Compliance

Compliant

EU ELV Compliance

Compliant

**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: JUNE 2024 (241)

Candidate List Declared Against: JUNE 2024 (241)

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

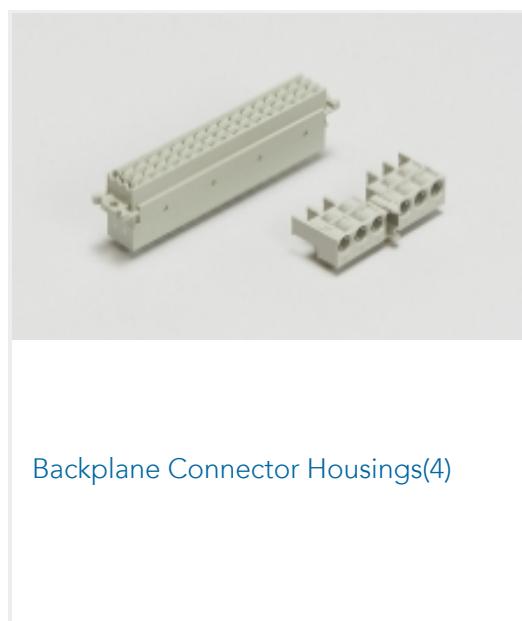
## Product Compliance Disclaimer

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>

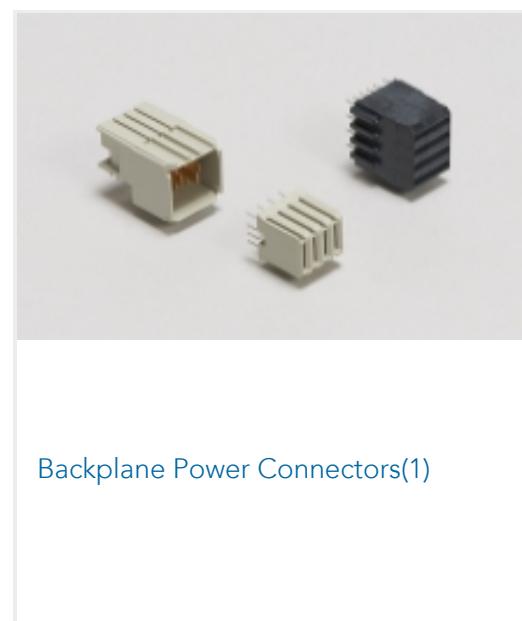
**Compatible Parts**

TE Part # 5352069-1  
Z-PACK/B25 RAF 125P

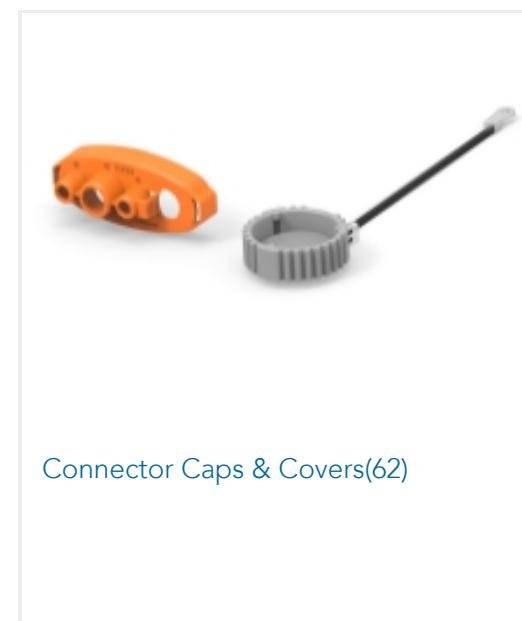
## Also in the Series | Z-PACK 2mm HM



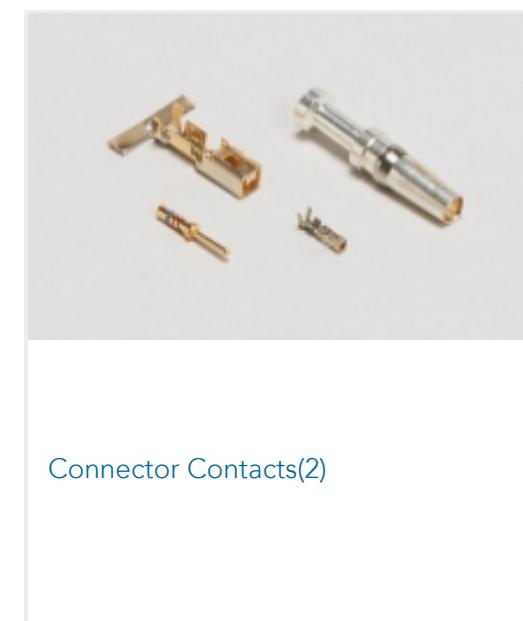
Backplane Connector Housings(4)



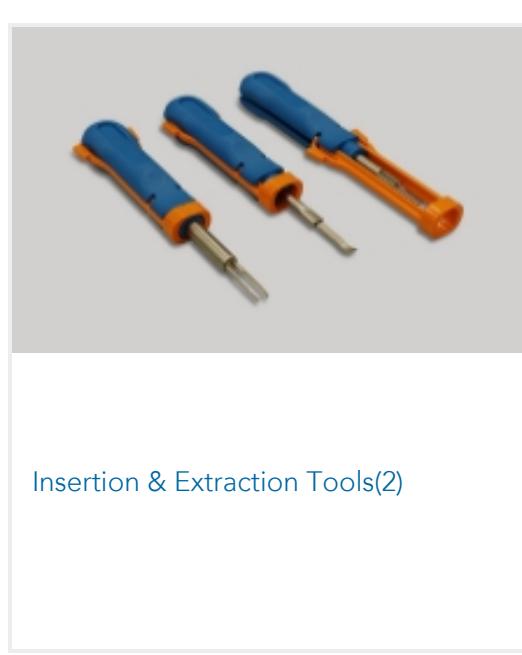
Backplane Power Connectors(1)



Connector Caps &amp; Covers(62)



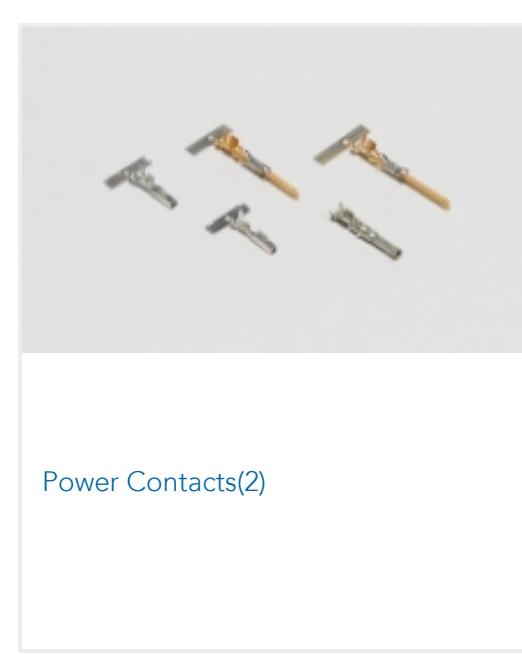
Connector Contacts(2)



Insertion &amp; Extraction Tools(2)



PCB Headers &amp; Receptacles(46)



Power Contacts(2)

## Customers Also Bought

TE Part #5747847-4  
37 MSFL RCPT RA 318 (IN,FM,BL)TE Part #5352069-1  
Z-PACK/B25 RAF 125PTE Part #6469002-1  
HM-ZD 4PR HDR 80P 5.2MMTE Part #1857989-1  
Z-PACK/A F-HDR.110P EONTE Part #1-5406203-2  
MJ,ASSY,4P,8POS,CAT5,PNL TABS,.1S /TTE Part #2143154-2  
IMP100S,H,V5P14C,LG,REW39,4.9TE Part #2178531-4  
Crown Clip Junior AG Plating ReflowTE Part #2204167-1  
MBXLE R/A RCPT,A/C PASS THRU  
4ACP+12S+3P



## Documents

### Product Drawings

#### 2MMHM PIN HDR B MOD 175P-7ROW

English

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### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5188256-1\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5188256-1\\_C.3d\\_jgs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5188256-1\\_C.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Product Specifications

#### Application Specification

English