

5188256-1 ✓ ACTIVE



Z-PACK | Z-PACK 2mm HM

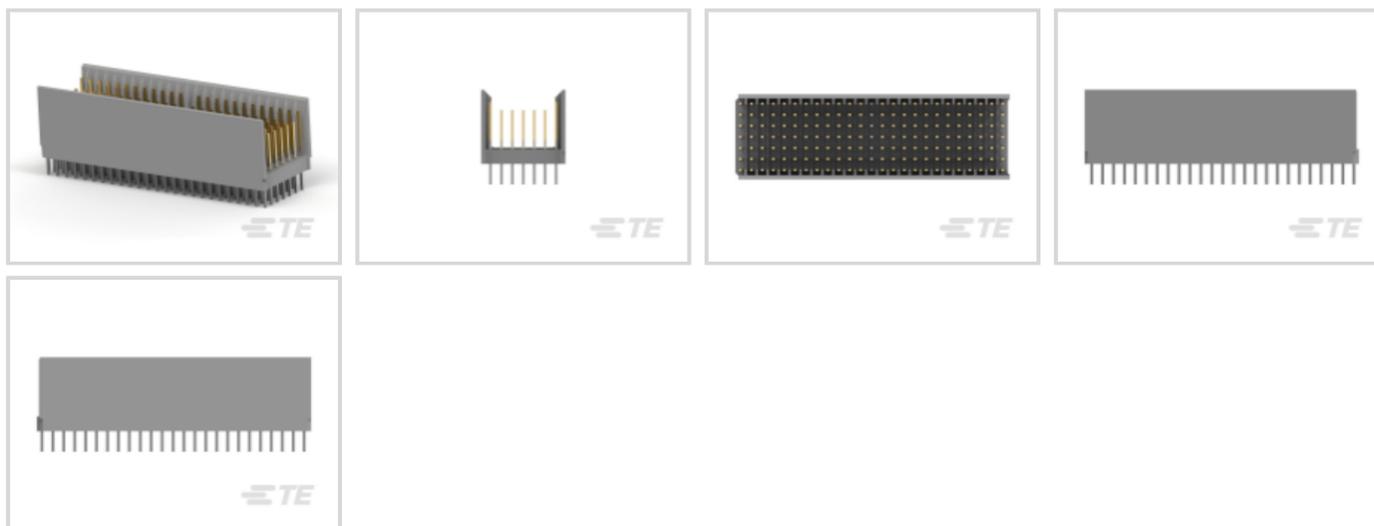
TE Internal #: 5188256-1

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 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 \(123\)](#)

## Features

### Product Type Features

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

### Configuration Features

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



PCB Mount Orientation	Vertical
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### Signal Characteristics

Crosstalk Version	Reduced
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Data Rate	≤1 Gb/s
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### Body Features

Primary Product Color	Gray
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### Contact Features

Contact Base Material	Phosphor Bronze
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CompactPCI Designation	None
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PCB Contact Termination Area Plating Material	Tin
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Feedthrough Post Length	3.7 mm
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Contact Type	Pin
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Mating Area Plating Material Thickness	.5 μm[20 μin]
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Contact Current Rating (Max)	1.5 A
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### Termination Features

Termination Method to PCB	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
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Centerline (Pitch)	2 mm[.078 in]
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### Dimensions

Backplane Module Length	49.88 mm
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### Usage Conditions

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

Shielded	No
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Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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## Packaging Features

Packaging Quantity	10
Packaging Method	Tube

## 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

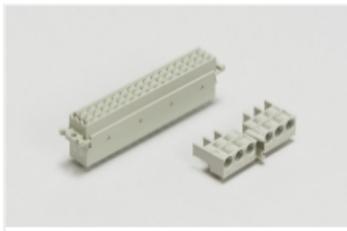
### Product Compliance Disclaimer

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>

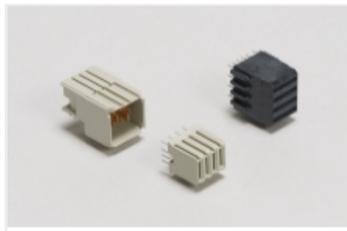
## Compatible Parts



Also in the Series | [Z-PACK 2mm HM](#)



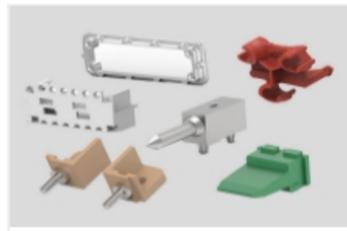
Backplane Connector Housings(4)



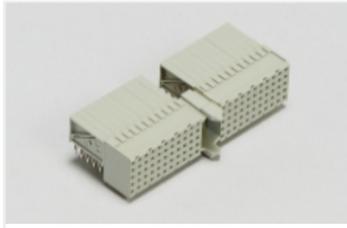
Backplane Power Connectors(1)



Connector Caps & Covers(62)



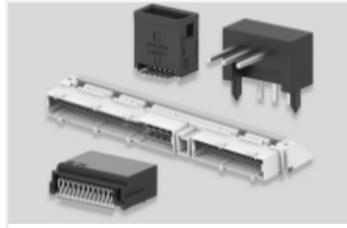
Connector Hardware(91)



Hard Metric Backplane Connectors (264)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(46)



Rectangular Power Connectors(46)

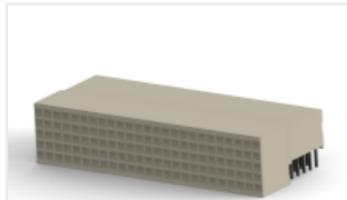
## Customers Also Bought



TE Part #1367337-1  
70 POS PT CONNECTOR, X2, XENPAK, 15 AU



TE Part #1658744-3  
SFP 1X4 CAGE ASSY



TE Part #CAT-472-Z12553  
HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



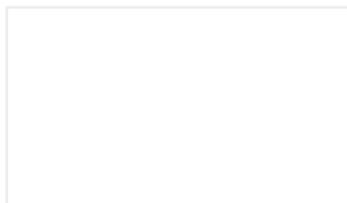
TE Part #2057159-1  
SFP+ 1x1 Cage Assy, Press-Fit, 20 Pin



TE Part #7-5179180-3  
0.8FH,R09H.5.080,30/Sn,TR,SC



TE Part #6339447-7  
RCPT ASSY,LP,SHLD,RA50,STD



TE Part #6-1775855-4  
RJ45 OVER USB W/ LED G/Y 50u" Au



TE Part #2169802-4  
IMP,Power,4PR,R/A,Hdr,5.7,6.9Tin



TE Part #3-2323270-1  
zSFP+ STACKED BELLY TO BELLY, 2X8 RCPT

## 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\\_igs.zip](#)

English

#### Customer View Model

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

English

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### Product Specifications

#### Application Specification

English