

1857990-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

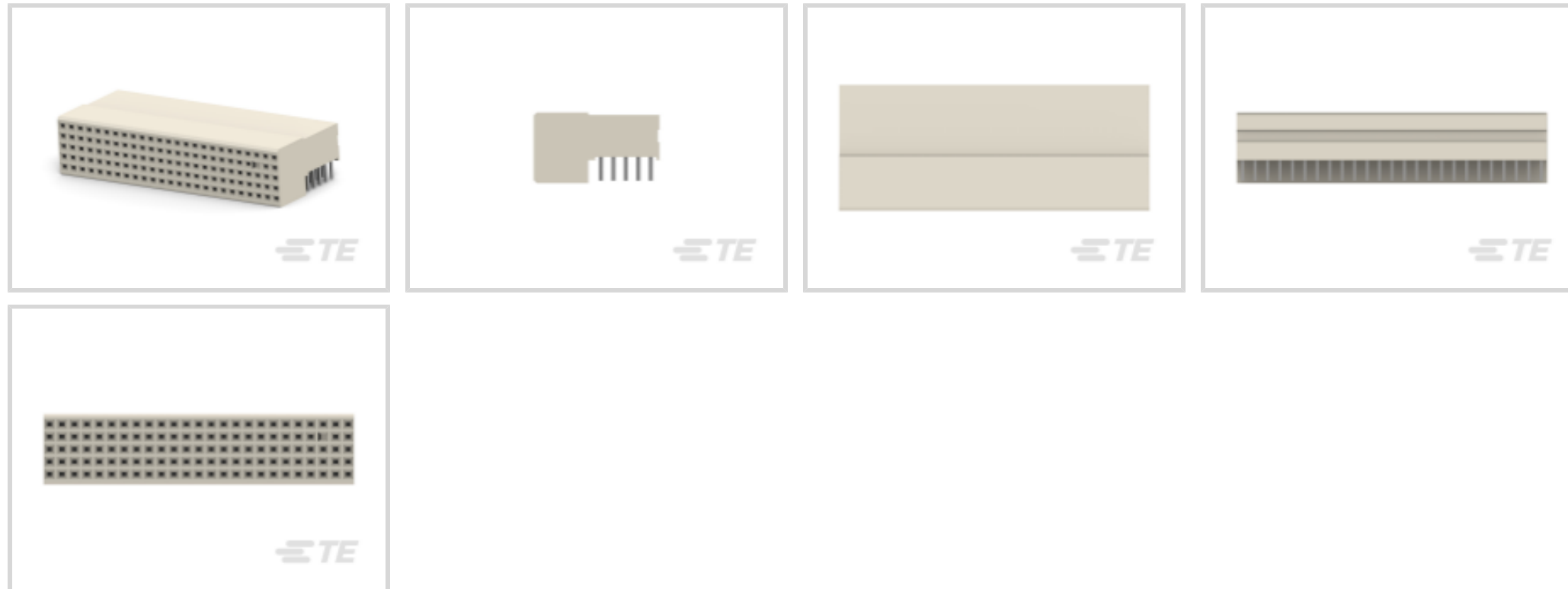
TE Internal #: 1857990-1

Hard Metric Backplane PCB Mount Receptacle, 1 Gb/s, 25 Column,  
5 Row, Traditional Backplane, 125 Position, 2 mm [.079 in]  
Centerline, Z-PACK 2mm HM

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



PCB Connector Type: **PCB Mount Receptacle**

Data Rate: **1 Gb/s**

Number of Columns: **25**

Number of Rows: **5**

Backplane Architecture: **Traditional Backplane**

## Features

### Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Receptacle
Sealable	No

### Configuration Features

Number of Columns	25
Number of Rows	5
Backplane Architecture	Traditional Backplane
Number of Positions	125
PCB Mount Orientation	Right Angle

### Signal Characteristics

Data Rate	1 Gb/s
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### Body Features

Primary Product Color	Gray
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### Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
Contact Current Rating (Max)	1.5 A

### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2 mm[.079 in]

### Usage Conditions

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

Circuit Application	Signal
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### Industry Standards

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

Packaging Quantity	11
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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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



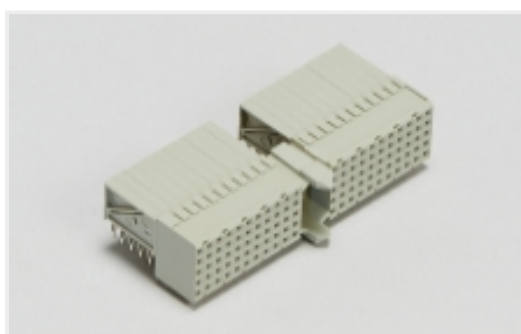
Board-to-Board Headers & Receptacles(46)



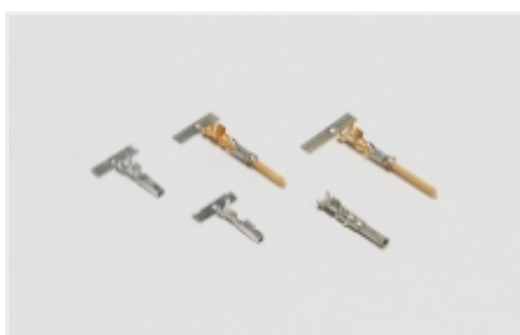
Connector Contacts(2)



Connector Hardware(91)



Hard Metric Backplane Connectors (266)

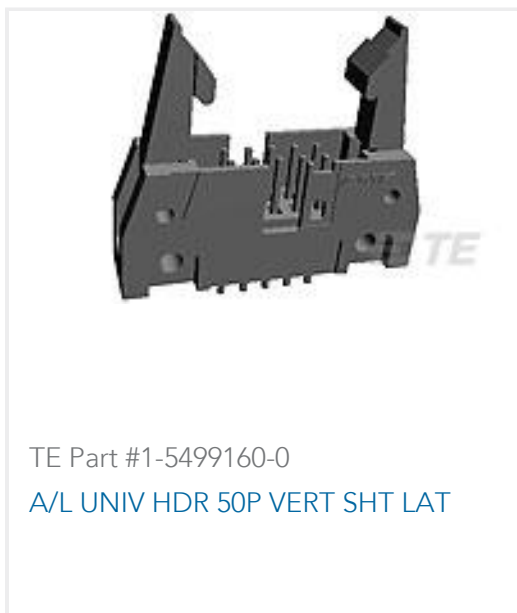


Power Contacts(2)



Rectangular Power Connectors(46)

### Customers Also Bought



TE Part #1-5499160-0  
A/L UNIV HDR 50P VERT SHT LAT



TE Part #4-794632-2  
12P MICRO MNL ASSY,VRT,HDR,LF



TE Part #5-794632-0  
20P MICRO MNL ASSY,VRT,HDR,LF



TE Part #1-1609034-9  
20VSB1=F8333



TE Part #5-104550-2  
20 SYS50 SURFMNT DRST RCPT SN



TE Part #5-147278-7  
08 MTE HDR SRRA SFMNT .100CL



TE Part #5747846-2  
25 MSFL RCPT RA 318 (FM,BL)



TE Part #5788796-1  
09 HTMSFL ASSY RA 318 (IN,BL)



TE Part #5223957-3  
UPM GUIDE MODULE



TE Part #641215-5  
05P MTA100 HDR ASSY FL/ST 30AU

## Documents

### Product Drawings

Z-PACK/B F-HDR.125P, EON

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1857990-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1857990-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1857990-1\\_A.3d\\_stp.zip](#)

English

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

### Product Specifications

1857990-1

Hard Metric Backplane PCB Mount Receptacle, 1 Gb/s, 25 Column, 5 Row,  
Traditional Backplane, 125 Position, 2 mm [.079 in] Centerline, Z-PACK 2mm HM



## Application Specification

English