



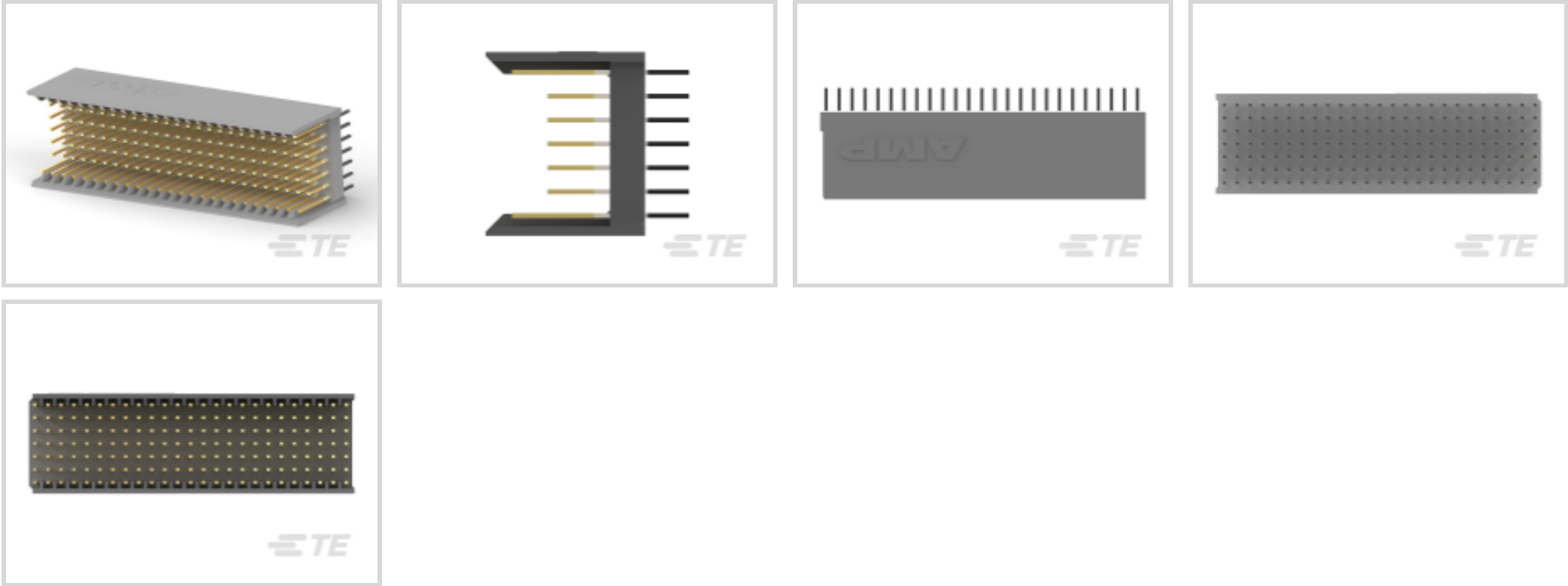
Z-PACK | Z-PACK 2mm HM

TE Internal #: 5100669-1
Hard Metric Backplane PCB Mount Header, ≤1 Gb/s, 25 Column, 7 Row, Mezzanine, 175 Position, 2 mm [.078 in] Centerline, Vertical, Gray, Z-PACK 2mm HM

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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: **≤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

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Ground Feature Type	Ground Return Shielding
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 Columns	25
Number of Rows	7
Backplane Architecture	Mezzanine
Number of Positions	175



PCB Mount Orientation	Vertical
Signal Characteristics	
Crosstalk Version	Standard
Data Rate	≤1 Gb/s
Body Features	
Primary Product Color	Gray
Contact Features	
Contact Underplating Material	Nickel
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	Gold (Au)
Contact Mating Area Plating Material Thickness	.5 μm[20 μin]
Contact Current Rating (Max)	1.5 A
Termination Features	
Termination Method to PCB	Through Hole - Press-Fit
Mechanical Attachment	
Connector Mounting Type	Board Mount
Front Mating Level	Level 1
Housing Features	
Housing Material	Polyester GF
Centerline (Pitch)	2 mm[.078 in]
Dimensions	
Backplane Module Length	50 mm
Usage Conditions	
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Shielded	No
Circuit Application	Power & Signal



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	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



TE Part # 2391877-1
Z-PACK M.CONN.175P.EON

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

TE Part # 2170293-2
Z-PACK/B25 RAF 125P

TE Part # 434814-1
EXTR.TOOL SNGL.PIN

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
(266)

Insertion & Extraction Tools(2)

PCB Headers & Receptacles(46)

Rectangular Power Connectors(46)

Customers Also Bought

TE Part #100751-1
Z-PACK/N M-HSG 3P.

TE Part #5106774-1
Z-PACK/B25 VF 125P

TE Part #6469025-1
HM-ZD 2PR HDR 40P 2.5MM

TE Part #T1010062100-000
H6B-KDBP

TE Part #CAT-472-Z12
Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm

TE Part #4-1393789-5
V23079D2003B301

TE Part #1-1827876-3
DYNAMIC 1200D HDR ASSY H 6P
XBLACK GOLD

TE Part #2267473-1
SIZE 11 PERIPHERAL SEAL, CPC



Documents

Product Drawings

Z-PACK M.CONN.175P.

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5100669-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_5100669-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_5100669-1_C.3d_stp.zip

English

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Product Specifications

Application Specification

English