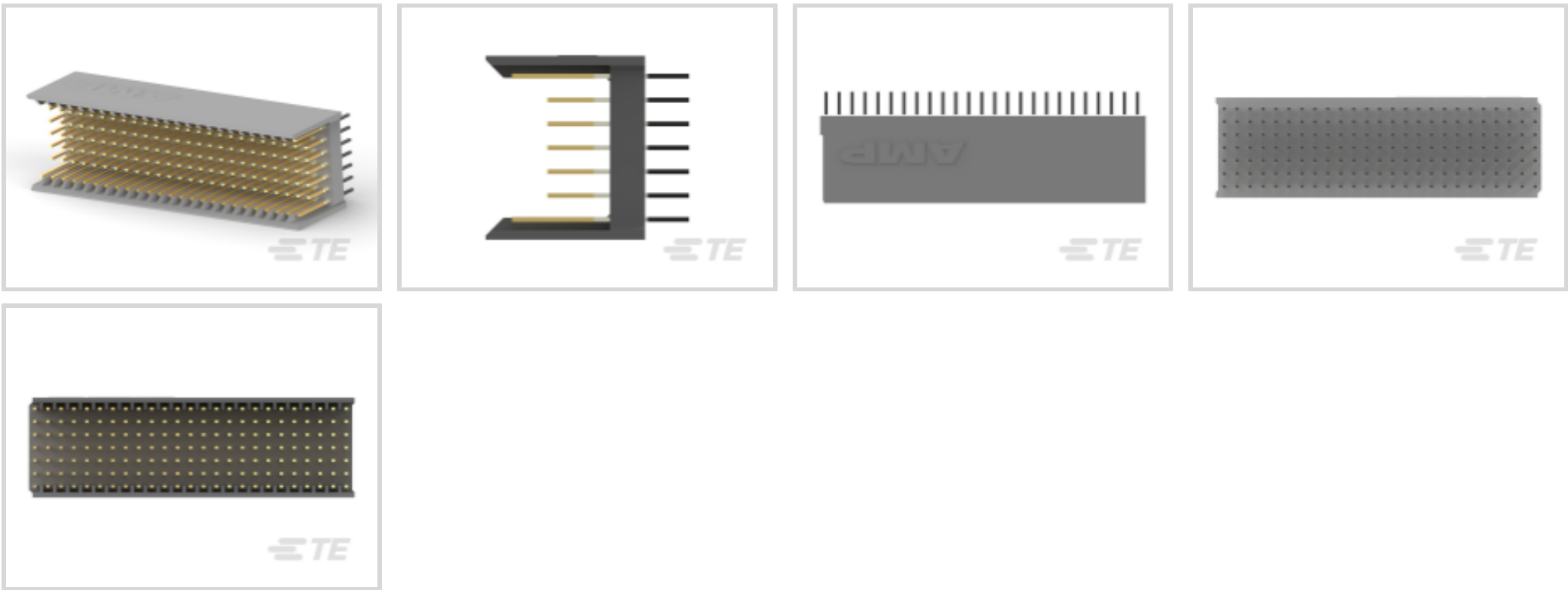




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

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



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

Data Rate: **≤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

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

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	
Feedthrough Post Length	3.7 mm
CompactPCI Designation	None
Contact Type	Pin
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	.5 μm[20 μin]
Contact Current Rating (Max)	1.5 A
Termination Features	
Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Mechanical Attachment	
Front Mating Level	Level 1
Connector Mounting Type	Board Mount
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

Other

Backplane Connector Comment	Row Configuration 5+2
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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 > 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 # CAT-472-Z12553
HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm

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

TE Part # 1-1746993-1
FEMALE CONNECTOR TYPE B WITH SHIELD,PB-F

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 Coding Keys(60)

Backplane Connector Housings(4)

Backplane Guide Hardware(37)

Backplane Power Connectors(6)

Board-to-Board Connector Contacts(2)

Hard Metric Backplane Connectors (269)

High Speed Backplane Connectors(1)

Insertion & Extraction Tools(2)

PCB Connector Covers(4)

PCB Connector Shrouds(39)

PCB Ferrules & Shields(19)

Rectangular Power Connectors(87)

Customers Also Bought



TE Part #5646446-1
HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm

TE Part #5100141-1
Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm

TE Part #5536649-1
2MM FB,ASY,010,PWR,REC,EN,SEQ

TE Part #5646530-1
Z-PACK 2MM HM TYPE A/B 127P

TE Part #2822128-2
TC-ZIF REC ASSY 260P

TE Part #2005801-1
M-ZIF CONN. PLUG 260P SOLDER TYPE

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

Product Environmental Compliance

MD_5100669-1_06132018451_dmtec

English

MD_5100669-1_06132018451_dmtec

English

