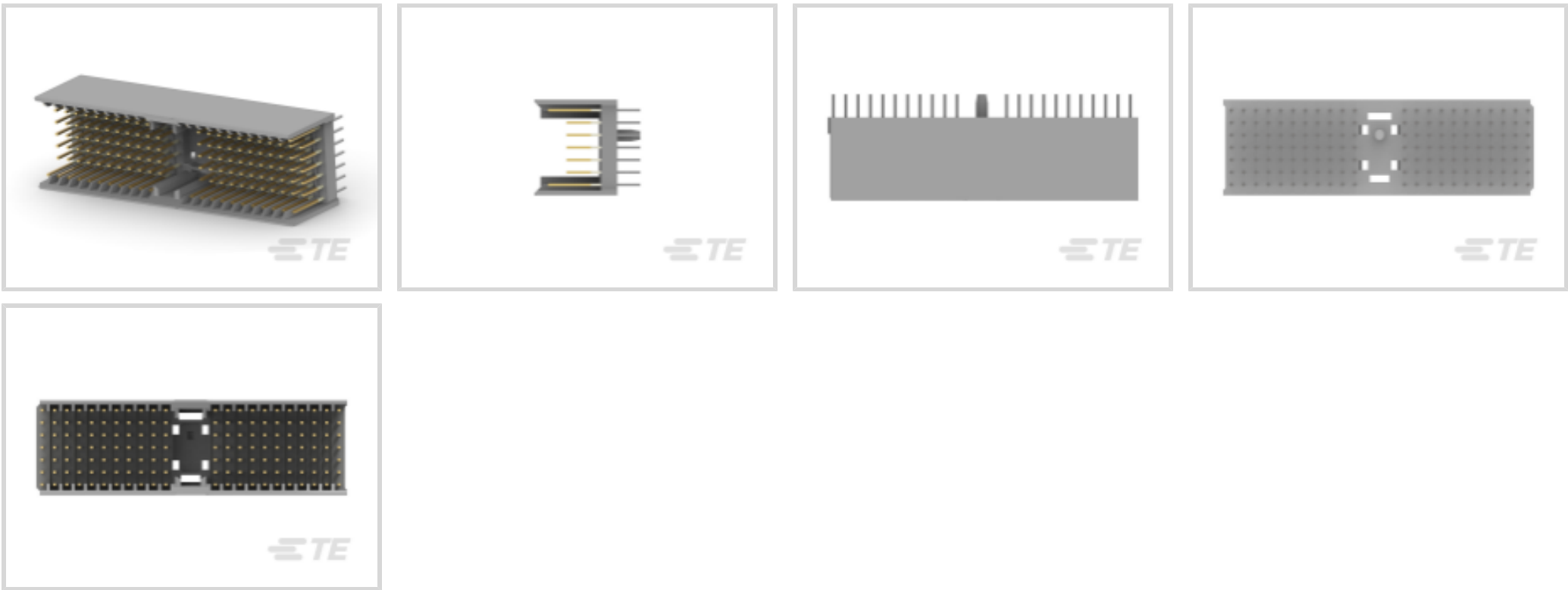




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Connectors >

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



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

Data Rate: **≤1 Gb/s**

Number of Columns: **22**

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 Component 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	22
Number of Rows	7
Backplane Architecture	Mezzanine
Number of Positions	154



PCB Mount Orientation	Vertical
Signal Characteristics	
Crosstalk Version	Standard
Data Rate	≤1 Gb/s
Contact Features	
Contact Mating Area Length	13.45 mm
Feedthrough Post Length	3.7 mm
Contact Type	Pin
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[30 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
Mating Alignment Type	Multi-Purpose Center
Connector Mounting Type	Board Mount
Housing Features	
Housing Material	Polyester - GF
Centerline (Pitch)	2 mm[.078 in]
Housing Color	Gray
Dimensions	
Backplane Module Length	50 mm
Usage Conditions	
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Shielded	Yes
Circuit Application	Power & Signal



Industry Standards

UL Flammability Rating	UL 94V-0
AdvancedTCA Specified Product	No

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	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # 352068-1
Z-PACK/A F-HDR 110P

TE Part # 90753-1
SEATING TOOL ASSY H.M. 154 PIN

TE Part # 354687-1
2MM HM & 2MM FB REPAIR HAND TL

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)

Insertion & Extraction Tools(2)

PCB Connector Covers(4)

PCB Connector Shrouds(39)

PCB Ferrules & Shields(19)

PCB Latches, Locks & Retainers(1)

Rectangular Power Connectors(87)

Customers Also Bought

TE Part #352069-1
Z-PACK/B F-HDR.125P

TE Part #4-2176070-2
3521 510R 1% 2W

TE Part #51494-2
STD HIGH VOLTAGE BLKHD RECEPT

TE Part #5103309-1
A/L LOW PRO HDR 10P VERT BLACK



TE Part #7-1625868-5
RP 2A 0.25W 31R6 0.1% 25PPM 1K RL

TE Part #4-2337939-3
PCIE GEN4 CON,SMT,98POS,15u", MYLAR,HT

TE Part #2-1879208-0
CPF 0402 62R 0.1% 25PPM 1K RL

TE Part #1-1879128-3
RN 0402 604R 0.1% 10PPM CUT LENGTH

TE Part #NB10602001
ATUM-3/1-0-STK

TE Part #1055451-1
LOCATOR TOOL

Documents

Product Drawings

Z-PACK M.ASSY.154P.

English

CAD Files

Customer View Model

ENG_CVM_CVM_100668-1_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_100668-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_100668-1_H.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_100668-1_06172014441_dmtec

English

MD_100668-1_06172014441_dmtec

English

100668-1

Z-PACK 2mm HM, Hard Metric Backplane Connectors, PCB Mount Header, ≤1 Gb/s,
22 Column, 7 Row, Mezzanine, Board-to-Board, 154 Position

