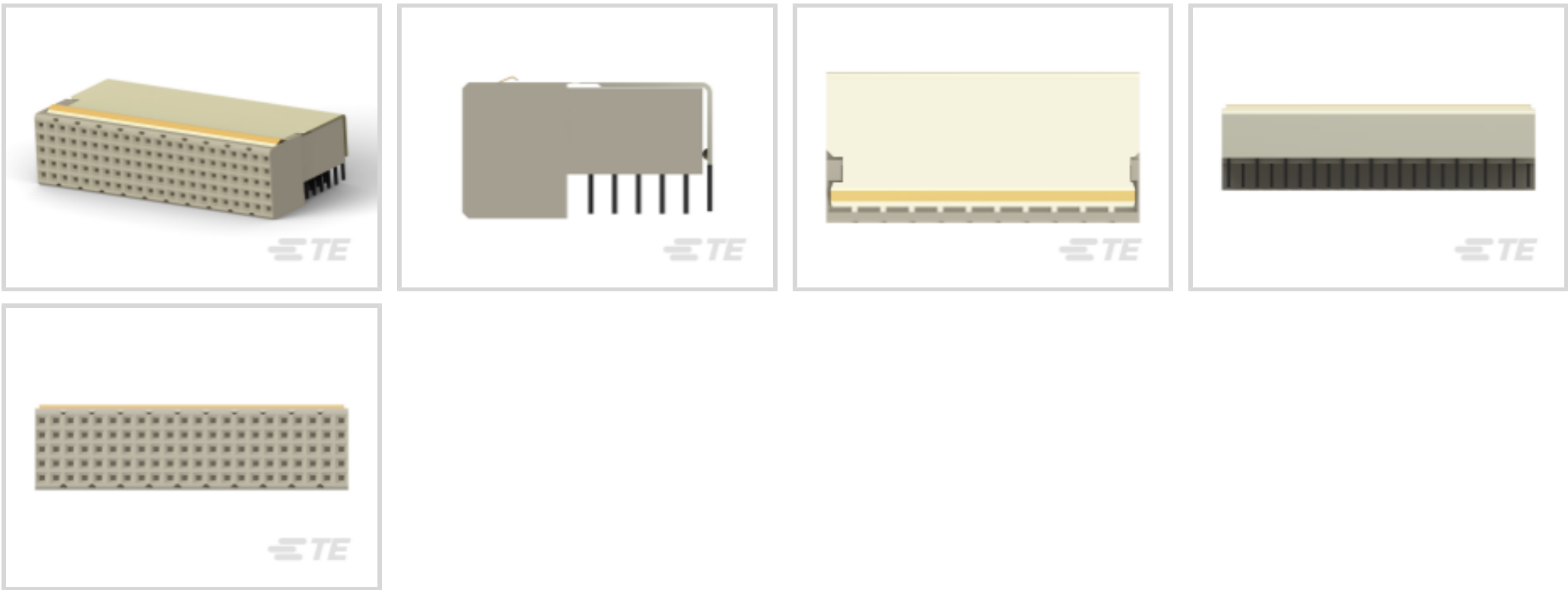




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



PCB Connector Type: **PCB Mount Receptacle**

Data Rate: **≤1 Gb/s**

Number of Columns: **22**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm \(48\)](#)

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 Receptacle
Sealable	No

Configuration Features

Rows Loaded	A, B, C, D, E
Number of Signal Positions	110
Number of Columns	22
Number of Rows	5
Backplane Architecture	Mezzanine



Number of Positions	110
PCB Mount Orientation	Right Angle
Signal Characteristics	
Crosstalk Version	Standard
Data Rate	≤1 Gb/s
Body Features	
Primary Product Color	Gray
Contact Features	
Contact Underplating Material	Nickel
Contact Mating Area Length	3.3 mm
Contact Base Material	Phosphor Bronze
CompactPCI Designation	J2/J5
PCB Contact Termination Area Plating Material	Tin-Lead
Feedthrough Post Length	3.3 mm
Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.76 μm[30 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
Housing Features	
Housing Material	Polyester GF
Centerline (Pitch)	2 mm[.078 in]
Dimensions	
Backplane Module Length	44 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
Packaging Features	
Packaging Quantity	12
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	Compliant with Exemptions
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) 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 # 5352468-2
ZP,22C.L.GRS.SHLD.

TE Part # 188835-1
Z-PACK/B M-HDR 154P.

TE Part # 352131-1
Z-PACK/B RAMH.110P.

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 #2-2176400-3
3540 8R2 1%

TE Part #5106081-1
2MM HM, HEADER, TYPE C

TE Part #2170330-1
HMZD+,4PAIRS,10COLS,VERTICAL, ASSEMBLY

TE Part #1589810-8
SSM015T2HN = SMT Conn

TE Part #5-146250-1
02 MODII HDR DRST B/A .100CL

TE Part #2286121-1
MULTIGIG RT2-R, DC, SPACE VPX MODULE 16E

TE Part #6-535512-4
10 MODII HORZ DR CE EESS .100

TE Part #HA37E
DUMMY RECEPT.ASSY.JAM NUT



TE Part #2143309-2
[IMP100S,H,RA2P16C,UG,OEWS39,4.9](#)



TE Part #6-535512-3
[08 MODII HORZ DR CE EESS .100](#)

Documents

Product Drawings

[Z-PACK/B F-HDR 110P](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_352152-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_352152-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_352152-1_E.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

Instruction Sheets

[INSERTION TOOL FOR Z-PACK 2mm HM CONN.](#)

Japanese

[Instruction Sheet \(non U.S.\)](#)

Japanese