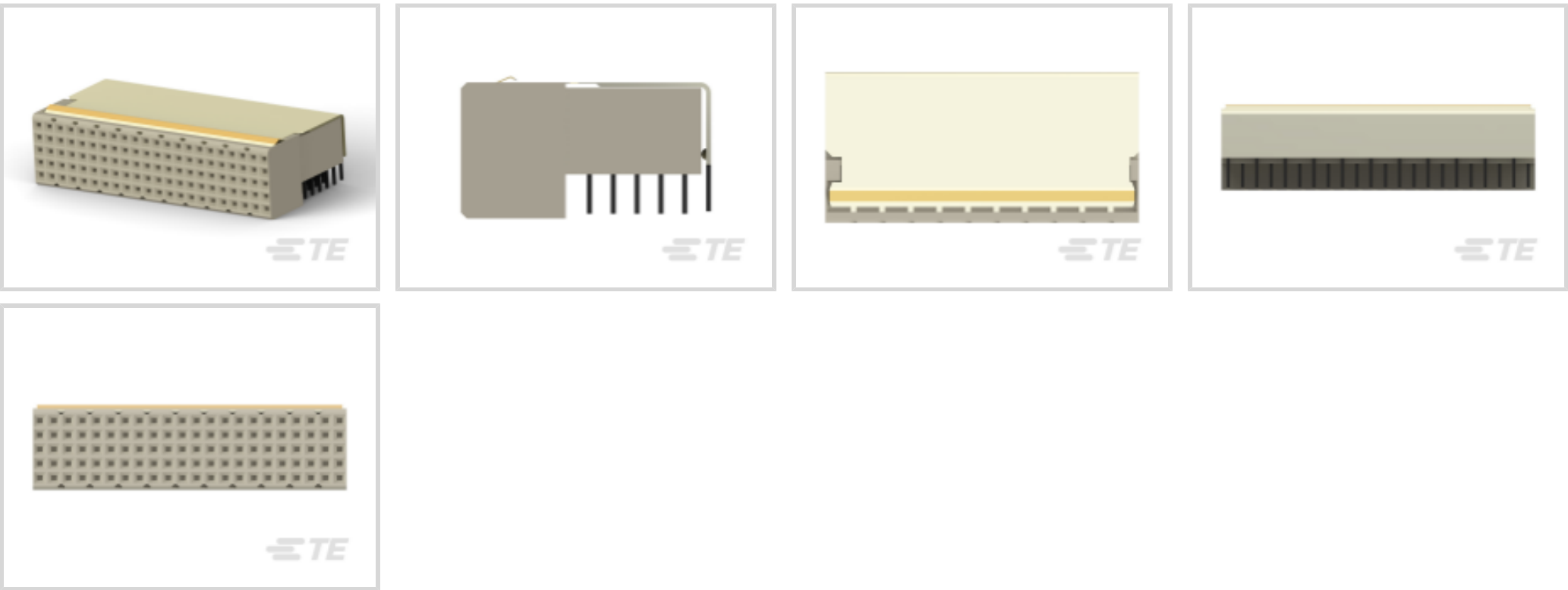




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



PCB Connector Assembly 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

Mechanical Attachment

Connector Mounting Type	Board Mount
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Industry Standards

UL Flammability Rating	UL 94V-0
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Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Dimensions

Backplane Module Length	44 mm
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Operation/Application

Shielded	Yes
Circuit Application	Power & Signal

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
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Current Rating (Max)	1.5 A

Packaging Features

Packaging Quantity	12
Packaging Method	Tube

Housing Features

Housing Material	Polyester - GF
Centerline (Pitch)	2 mm[.078 in]

Configuration Features

Rows Loaded	B, C, D, E, A
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

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 Assembly Type	PCB Mount Receptacle
Sealable	No

Body Features

Primary Product Color	Gray
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Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 5352468-2
ZP,22C.L.GRS.SHLD.

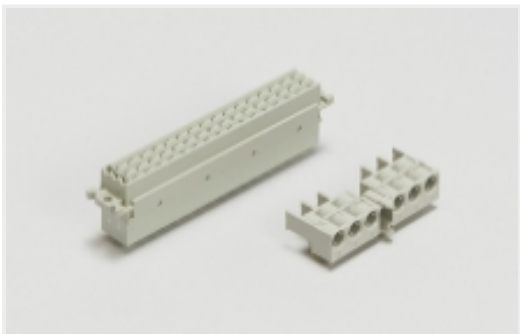


TE Part # 352131-1
Z-PACK/B RAMH.110P.

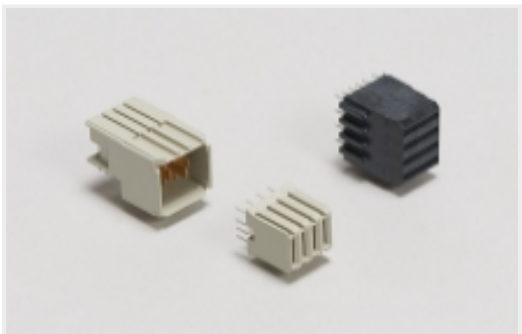


TE Part # 188835-1
Z-PACK/B M-HDR 154P.


Also in the Series | Z-PACK 2mm HM




Backplane Connector Housings(4)




Backplane Power Connectors(1)



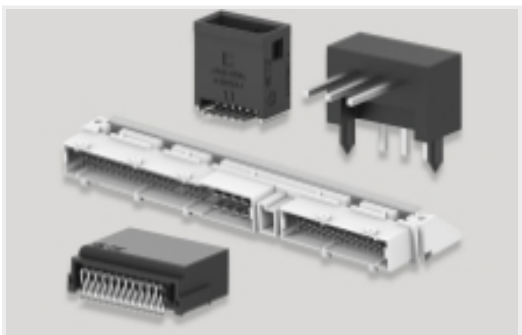
Connector Caps & Covers(62)




Connector Contacts(2)



Insertion & Extraction Tools(2)




PCB Headers & Receptacles(46)




Power Contacts(2)

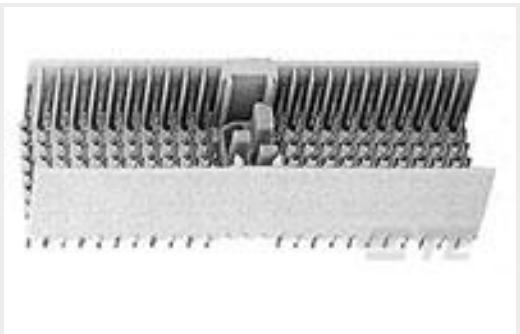
Customers Also Bought




TE Part #2000896-1
Fortis Zd 10 Col Vert Center Mod Assy



TE Part #5646489-1
2MM H.M. A/B-22 RECEPT. ASSY.



TE Part #188834-1
Z-PACK/A M-HDR 154P.



TE Part #204519-2
AMPLIMITE,ASY,PLUG,STD,90,4





TE Part #2292096-1
RCPT ASSY SMT VERT 50 POSN MBC



TE Part #2328461-2
280 POS., CONNECTOR ASSEMBLY, SLIVER 2.0



TE Part #207683-8
AMPLIMITE,PIN CONT,SZ 22D



TE Part #2286250-1
MULTIGIG RT 2-R. 7RW



TE Part #643408-3
06P UMNL PIN HDR ASY POL V0 AU

TE Part #1589955-1
QCM044M5P = Circular

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

