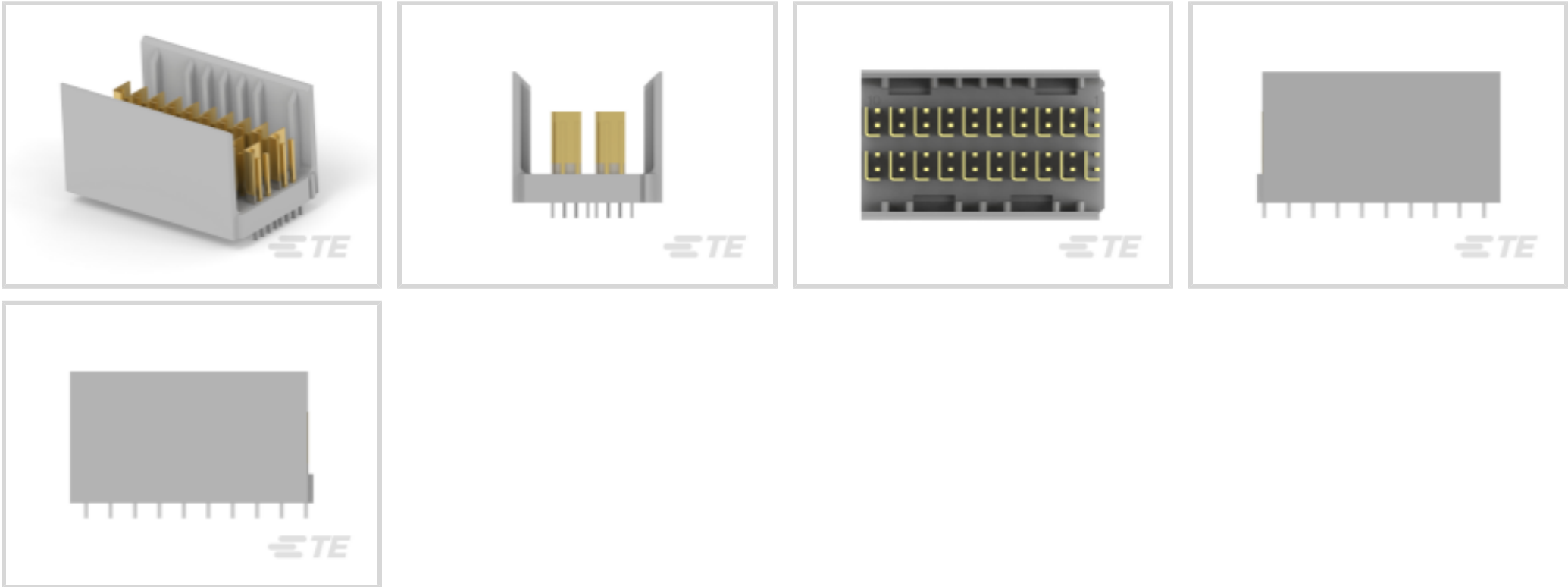




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 40  
Row-to-Row Spacing: 3 mm [ .118 in ]  
Mating Alignment: With  
Mating Alignment Type: Center & Dual  
Number of Rows: 2

Features

Product Type Features

Signal Arrangement	Differential
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Number of Signal Positions	2
Number of Positions	40
Number of Rows	2
Number of Columns	10
PCB Mount Orientation	Vertical
Guide Location	Unguided

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Signal Characteristics



Number of Differential Pairs per Column	2
---	---

Data Rate	≤12 Gb/s
-----------	----------

Body Features

Primary Product Color	Gray
-----------------------	------

Contact Features

Contact Type	Pin
--------------	-----

Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
--------------------------------------	----------------------------------

Contact Underplating Material	Nickel
-------------------------------	--------

Contact Base Material	Brass, Phosphor Bronze
-----------------------	------------------------

Contact Current Rating (Max)	.7 A
------------------------------	------

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
---	--------------------------

Mechanical Attachment

Mating Alignment	With
------------------	------

Mating Alignment Type	Center & Dual
-----------------------	---------------

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Number of Shrouded Sides	2
--------------------------	---

Centerline (Pitch)	2.5 mm[.1 in]
--------------------	---------------

Dimensions

Row-to-Row Spacing	3 mm[.118 in]
--------------------	---------------

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
-----------------------------	----------------------------

Operation/Application

Durability Rating	250 Cycles
-------------------	------------

Circuit Application	Signal
---------------------	--------

Packaging Features

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 2065769-1  
Zd Plus 2 pair receptacle assy

Also in the Series | Z-PACK HM-Zd+

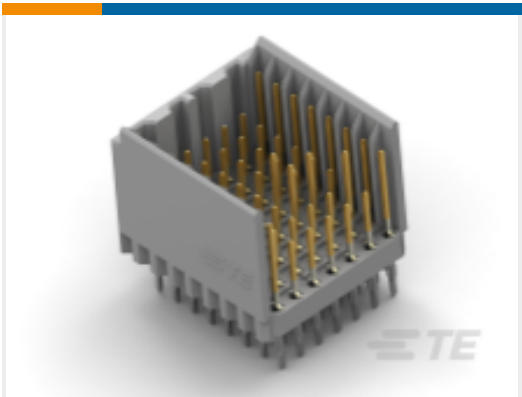
High Speed Backplane Connectors(5)




Customers Also Bought




TE Part #2309408-1  
DDR4 SODIMM 260P 4.0H RVS




TE Part #2336514-1  
2MM HM MALE CONNECTOR, COL 8, M2




TE Part #2336682-1  
2MM HM FEMALE ASSY, COL8




TE Part #2-1926739-5  
AssyMinipak HdI25s10pRAREcptSc




TE Part #5223957-3  
UPM GUIDE MODULE




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




TE Part #2177748-3  
32POS,NANO MQS,HEADER ASSY, CODA



TE Part #7-1658013-3  
MSB0.80PL5ASY84DP,GP,10,VCTR



TE Part #4-1827253-8  
.5FHP05H,220,S,GIG,08/Sn,TR,NSYes



TE Part #214363-E  
ERMBGR BS GSEFB \* LP60 GPAU ERMET-BAUSAT

Documents

Product Drawings  
HMZD+,2PAIRS,10COLS,VERTICAL,ASSEMBLY  
English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_2170328-1\_1.2d\_dxf.zip  
English

3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2170328-1\_1.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2170328-1\_1.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



[Product Specifications](#)

[Application Specification](#)

English