

1469002-1 ✓ ACTIVE

Z-PACK | Z-PACK HM-Zd

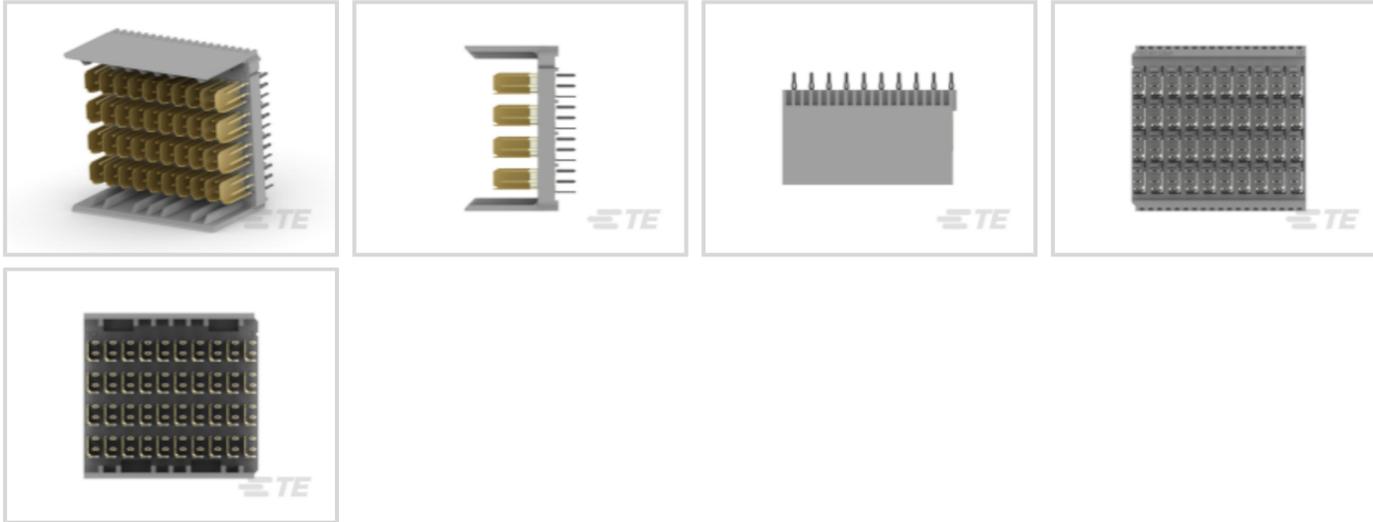
TE Internal #: 1469002-1

80 Position High Speed Backplane Connector, 8 Row, 10 Column,
PCB Mount Header, Vertical, Partially Shrouded, Z-PACK HM-Zd

[View on TE.com >](#)



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



Number of Positions: 80

Row-to-Row Spacing: 1.5 mm [.059 in]

Mating Alignment: **With**

Mating Alignment Type: **Guide Lugs**

Number of Rows: 8

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Header
Shroud Style	Partially Shrouded

Configuration Features

Number of Pairs	40
Number of Ground Positions	40
Number of Signal Positions	80
Pairs per Column	4
Card Slot Centerline	25.4 mm[1 in]
Number of Positions	80
Number of Rows	8
Number of Columns	10
PCB Mount Orientation	Vertical
Guide Location	Unguided



Electrical Characteristics

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

Signal Characteristics

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

Body Features

Shield Material	Phosphor Bronze
-----------------	-----------------

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

Contact Features

Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
--	----------------

Contact Layout	Matrix
----------------	--------

Contact Mating Area Plating Material	Gold (Au)
--------------------------------------	-----------

Contact Mating Area Length	5.3 mm[.21 in]
----------------------------	----------------

Contact Base Material	Phosphor Bronze
-----------------------	-----------------

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

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

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
---------------------------	--------------------------

Termination Post & Tail Length	2.5 mm[.098 in]
--------------------------------	-----------------

Mechanical Attachment

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

Mating Alignment Type	Guide Lugs
-----------------------	------------

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

Housing Features

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

Housing Material	Polyester GF
------------------	--------------

Centerline (Pitch)	2.5 mm[.098 in]
--------------------	-----------------

Dimensions

Connector Width	23.43 mm[.922 in]
-----------------	-------------------

Connector Height	13.4 mm[.527 in]
------------------	------------------

Connector Length	24.9 mm[.98 in]
------------------	-----------------

Row-to-Row Spacing	1.5 mm[.059 in]
--------------------	-----------------



Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
-----------------------------	----------------------------

Operation/Application

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

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Method	Tube
------------------	------

Product Compliance

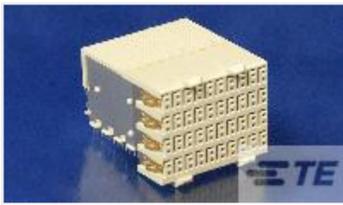
For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 2227510-1
HM-ZD 4PR RECP 80P 50Au



TE Part # 2065657-1
zd Plus, 4 pair, receptacle assy



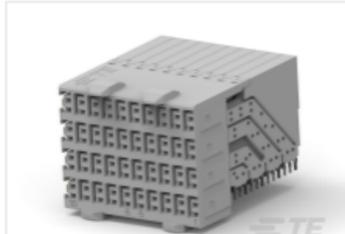
TE Part # 1583237-1
TOOL,EXTRACTION,INDIVIDUAL PIN



TE Part # 1469362-1
HM-ZD VERT RECPT ASSY 18MM



TE Part # 1469001-1
HM-ZD 4PR RECP 80P

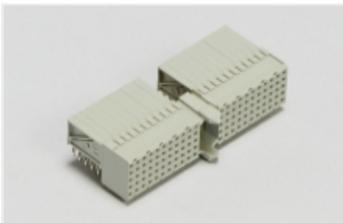


TE Part # 6469001-1
HM-ZD 4PR RECP 80P

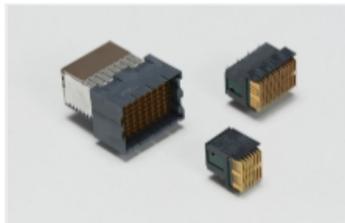


TE Part # 91349-1
SEATING TOOL, HMZD HDR, 4 PAIR

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



Hard Metric Backplane Connectors(1)

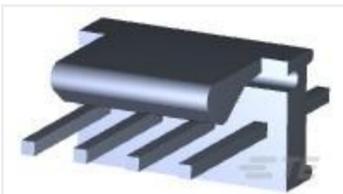


High Speed Backplane Connectors(46)



Insertion & Extraction Tools(1)

Customers Also Bought



TE Part #3-641126-4
04P MTA100 HDR ASY FL/STR LF



TE Part #1551920-1
zQSFP+ connector assembly



TE Part #2013289-1
SEMI-HARD TRAY DDR3 204P 5.2H STD



TE Part #2170744-4
CAGE ASSEMBLY, 1X4, QSFP28, SPRING



TE Part #1-2199119-6
M.2 0.5PITCH 3.2H KEY M 30U" AU



TE Part #1-2199230-1
M.2 0.5PITCH 4.2H KEY E 10U" AU



TE Part #CAT-D33047-SO1339
DDR4 SO DIMM Sockets



TE Part #5352171-1
Z-PACK/B19 RAF 95P



Documents

Product Drawings

[HM-ZD 4PR HDR 80P 5.2MM](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1469002-1_D.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1469002-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1469002-1_D.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Stacking Connectors Quick Reference Guide \(English\)](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[EXTRACTION TOOL FOR HM-Zd CONN.\(HEADER\)\(TOOL P/N: 1596026-1\)](#)

English

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

English