

HM-ZD 2PR HDR ASSY 1.8MM ✓ ACTIVE

Z-PACK | Z-PACK HM-Zd

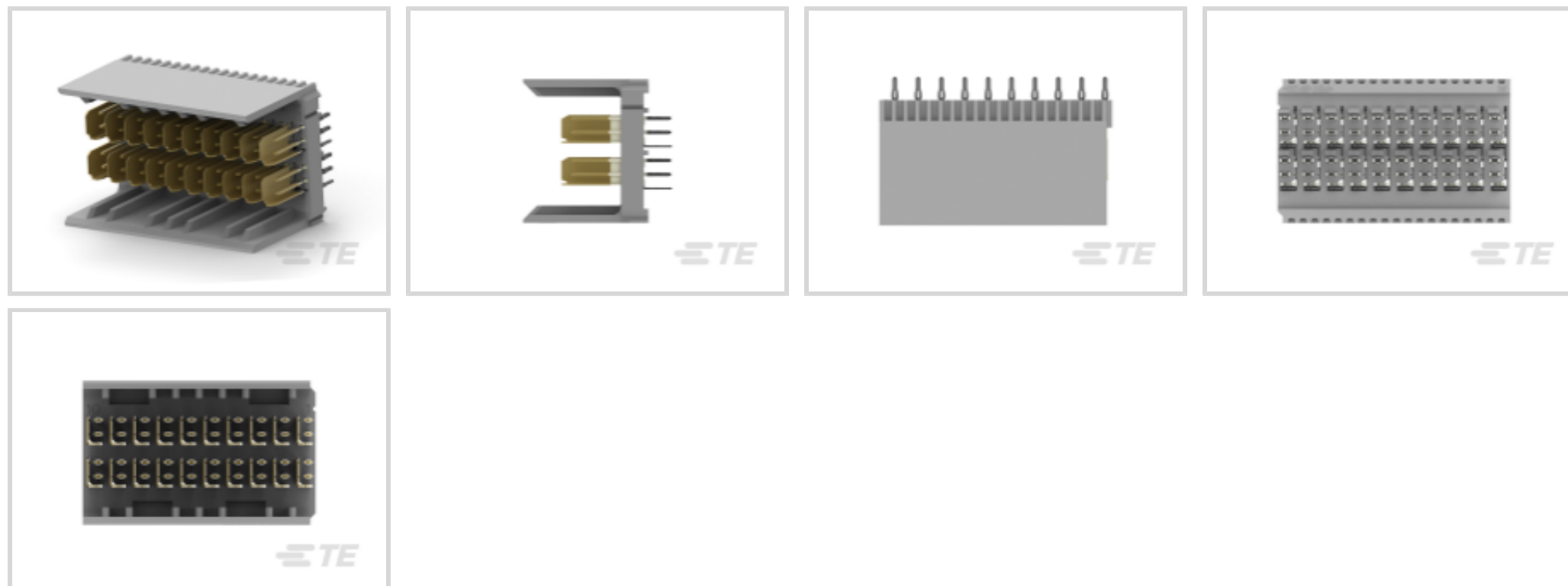
TE Part # 6469076-1

TE Internal #: 6469076-1

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > Hard Metric Connectors



Data Rate: ≤ 12 Gb/s

Number of Columns: 10

Number of Rows: 4

Number of Pairs: 20

Architecture: Traditional Backplane/Coplanar

Features

Product Type Features

Make First / Break Last	No
Connector System	Board-to-Board
Connector Type	Header
Connector Style	Plug
Shielded	Yes
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Pairs per Column	2
Card Slot Centerline	20.3 mm
Sequenced Pins	No
Number of Columns	10
Number of Rows	4
Number of Pairs	20
Architecture	Traditional Backplane/Coplanar

Number of Positions	40
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PCB Mount Orientation	Vertical
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Signal Characteristics

Data Rate	≤12 Gb/s
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Body Features

Shield Material	Phosphor Bronze
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Contact Features

Contact Mating Area Length	5.3 mm
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Feedthrough Post Length	1.8 mm
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Grounding Contact	With
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Contact Configuration	Compliant Pin
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Contact Base Material	Phosphor Bronze
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Contact Type	Pin
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CompactPCI Designation	None
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Contact Mating Area Plating Material	Gold
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Contact Mating Area Plating Thickness	.76 μm
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Contact Current Rating (Max)	.7 A
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Termination Features

Termination End Plating Material	Tin over Nickel
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Contact Termination Type	Through Hole
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Interface Type	HM-Zd
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Termination Method	Press-Fit
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Mechanical Attachment

Mating Alignment Type	Polarization
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Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	2.5 mm [.098 in]
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Housing Material	Polyester - GF
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Housing Color	Gray
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Dimensions

Module Length	24.9 mm
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Usage Conditions



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

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	20
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 2019 (197) Candidate List Declared Against: JUN 2018 (191)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.


Compatible Parts

HM-ZD 2PR HDR ASSY 1.8MM

TE Part # 6469076-1
TE Internal #: 6469076-1



TE Part # 1469028-1
HM-ZD 2PR RECP 40P



TE Part # 6469028-1
HM-ZD 2PR RECP 40P



TE Part # 2065769-1
Zd Plus 2 pair receptacle
assy

Also in the Series | Z-PACK HM-Zd

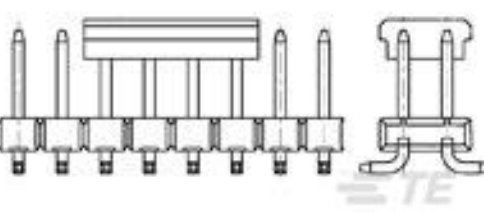


Hard Metric Backplane
Connectors(48)

Customers Also Bought



TE Part #6469074-1
HM-ZD 4PR HDR ASSY 1.8
MM



TE Part #966926-4
2X4P MODU 2MM PIN
HDR,SMD, BLSTR



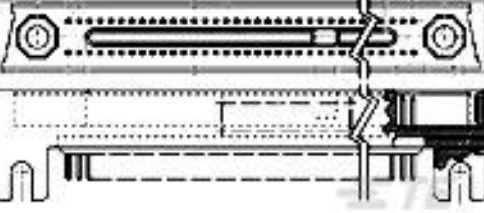
TE Part #5223984-1
UNIV POWER MOD, VERT
REC ASSY



TE Part #6600333-5
MBXL VERT HDR
2P+24S+2P



TE Part #1-1375870-4
RCPT ASSY,32 POS,VERT,
0.8MM MI



TE Part #1-531803-8
MINI BX PIN HDR 80 POS



TE Part #5767039-3
MICTOR,RA PLUG,114,.
093PCB,ASY



TE Part #6-103904-4
15 MTE HDR SRRA LATCH
W/HLDWN



TE Part #6116314-2
STK MJ ASSY,2X6,8P,
CAT5,W/LED



Documents

Product Drawings

[HM-ZD 2PR HDR ASSY 1.8MM](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_6469076-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6469076-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6469076-1_A.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[High Speed Backplane Connectors catalog - Z-PACK HM-Zd Connector](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English