

HM-ZD 2PR RECP 40P

✓ ACTIVE

Z-PACK | Z-PACK HM-Zd

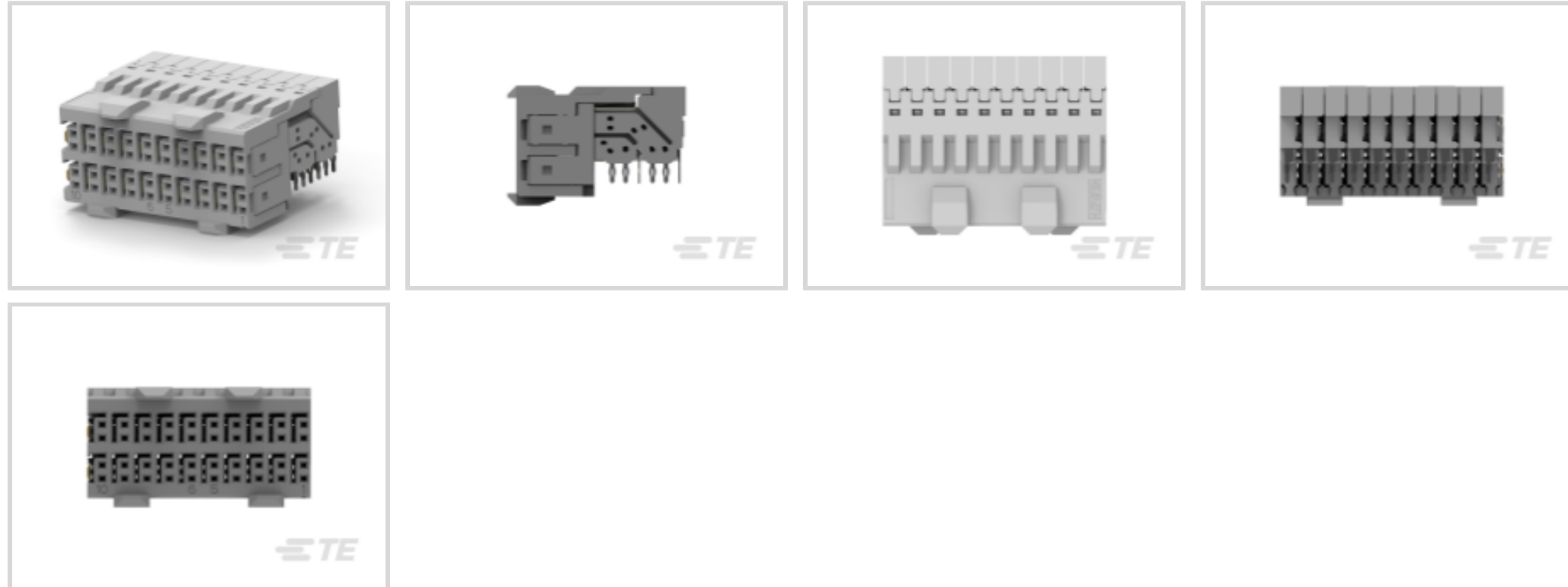
TE Part # 1469028-1

TE Internal #: 1469028-1

[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	Connector Assembly
Connector Style	Plug
Shielded	No
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Pairs per Column	2
Card Slot Centerline	20.3 mm
Number of Columns	10
Number of Rows	4
Number of Pairs	20
Architecture	Traditional Backplane/Coplanar
Number of Positions	40



PCB Mount Orientation Right Angle

Signal Characteristics

Data Rate ≤12 Gb/s

Body Features

Shield Material Phosphor Bronze

Contact Features

Contact Configuration ACTION PIN
 Contact Base Material Copper-Nickel-Silicon
 Contact Type Socket
 CompactPCI Designation None
 Contact Mating Area Plating Material Gold
 Contact Mating Area Plating Thickness .76 μm
 Contact Current Rating (Max) .7 A

Termination Features

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

Mechanical Attachment

Connector Mounting Type Board Mount

Housing Features

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

Dimensions

Module Length 24.9 mm

Usage Conditions

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

Operation/Application

Circuit Application Signal

Industry Standards



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

Packaging Quantity	20
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Packaging Method	Tube
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Not Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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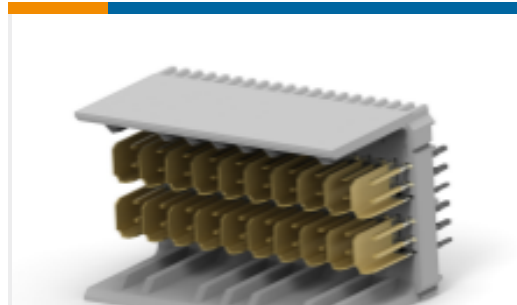
Product Compliance Disclaimer

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.

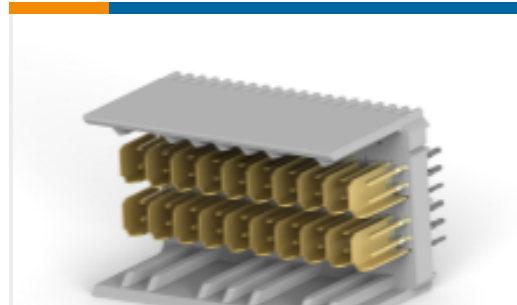
Compatible Parts



TE Part # 6469314-1
2 PAIR HM ZD HDR ASSY,
SEQU, LF



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



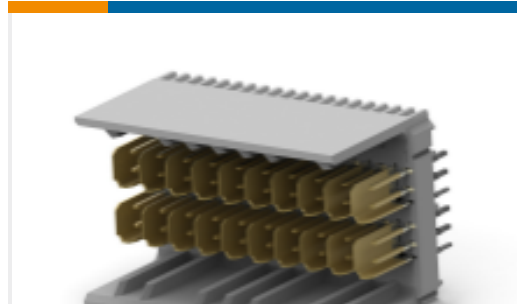
TE Part # 1469025-1
HM-ZD 2PR HDR 40P 2.5
MM



TE Part # 6469076-2
HM-ZD 2PR HDR ASSY 1.8
MM



TE Part # 6469169-1
HMZD 2PR RA HDR 40P

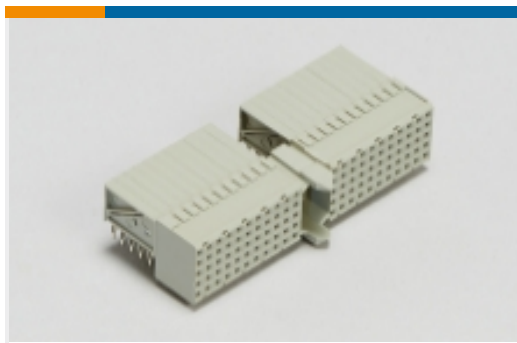


TE Part # 6469076-1
HM-ZD 2PR HDR ASSY 1.8
MM



TE Part # 6469025-2
HM-ZD 2PR HDR 40P 3.7
MM

Also in the Series | Z-PACK HM-Zd



Hard Metric Backplane
Connectors(48)

Customers Also Bought



TE Part #1-1469372-1
ATCA GUIDE MODULE
RA MALE



TE Part #6469169-1
HMZD 2PR RA HDR 40P



TE Part #5223986-1
UPM KEYED GUIDE
MODULE



TE Part #788862-1
PT30 XFP CONNECTOR



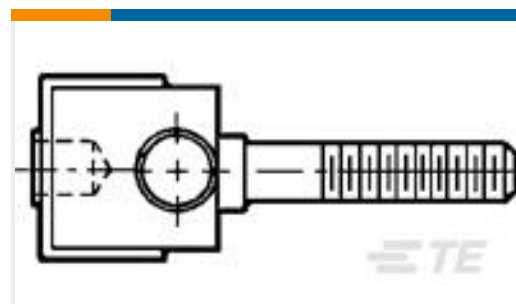
TE Part #6469028-1
HM-ZD 2PR RECP 40P



TE Part #1367073-2
20 POS SMT CONN, SFP,
30AU



TE Part #1469025-1
HM-ZD 2PR HDR 40P 2.5
MM



TE Part #532924-4
HDI POWER CONTACT
ASSY



Documents

Product Drawings

[HM-ZD 2PR RECP 40P](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1469028-1_F_c-1469028-1-f.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1469028-1_F_c-1469028-1-f.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1469028-1_F_c-1469028-1-f.3d_stp.zip](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English