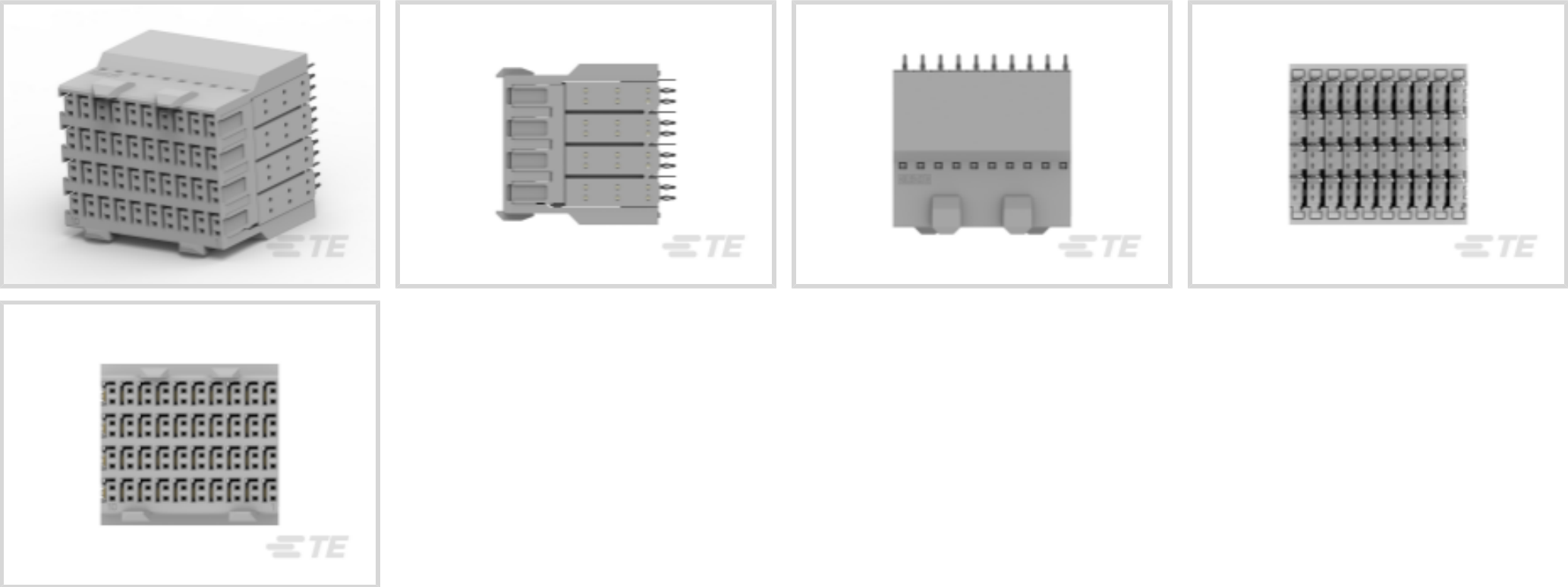




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 80
Row-to-Row Spacing: 1.5 mm [.059 in]
Mating Alignment: **With**
Mating Alignment Type: **Polarization**
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 Receptacle
Shroud Style	Fully 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
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Signal Characteristics

Data Rate	≤12 Gb/s
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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	2.2 mm[.087 in]
Contact Base Material	Phosphor Bronze
Contact Type	Receptacle
Contact Current Rating (Max)	.7 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.2 mm[.086 in]

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Width	22.5 mm[.88 in]
Connector Height	14.97 mm[.589 in]
Connector Length	24.9 mm[.98 in]
Row-to-Row Spacing	1.5 mm[.059 in]

Usage Conditions

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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
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Packaging Features

Packaging Method	Tube
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Product Compliance

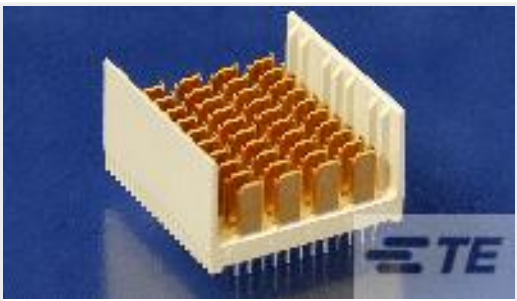
For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

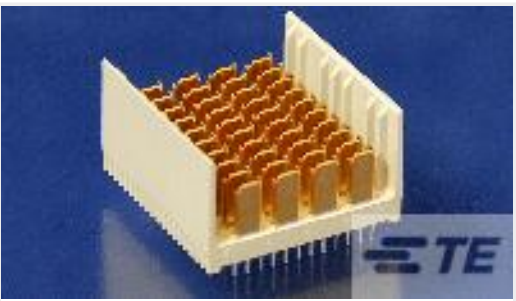
Product Compliance Disclaimer

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



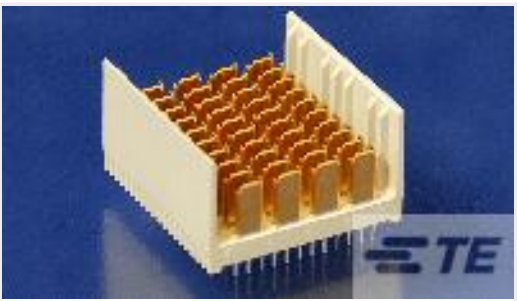
TE Part # 6469292-1
HM ZD 4 PR HEADER, SEQUENCED



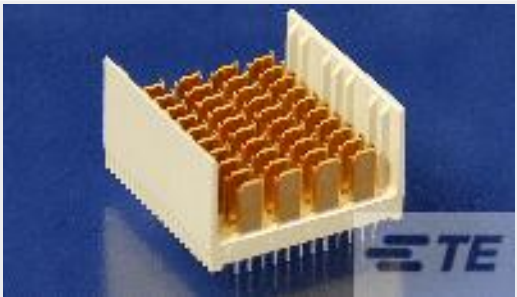
TE Part # 6469046-1
HMZD HRD ASSY, 4 PAIR



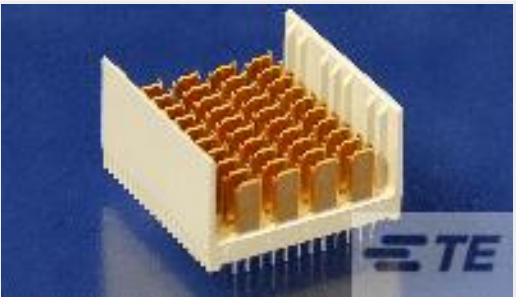
TE Part # 6469074-1
HM-ZD 4PR HDR ASSY 1.8MM



TE Part # 1469074-1
HM-ZD 4PR HDR ASSY 1.8MM



TE Part # 6469079-1
HMZD HDR ASSY 4 PR SELECT LOAD



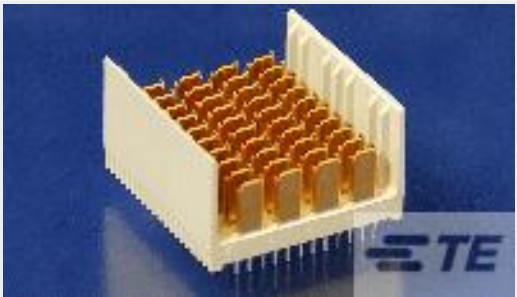
TE Part # 6469320-1
HM Zd 4 PR Pin Assy, Sequenced, LF



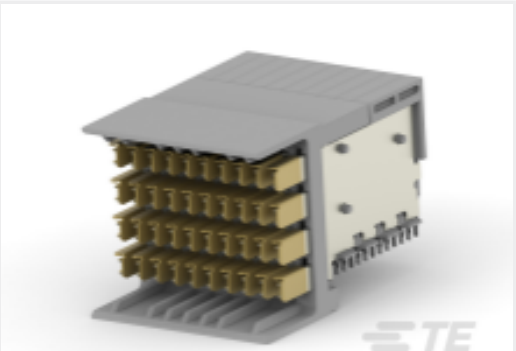
TE Part # 1469002-1
HM-ZD 4PR HDR 80P 5.2MM



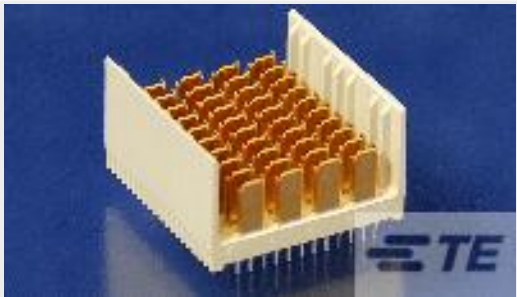
TE Part # 6469002-1
HM-ZD 4PR HDR 80P 5.2MM



TE Part # 6469002-2
HM-ZD 4PR HDR 80P 3.7MM

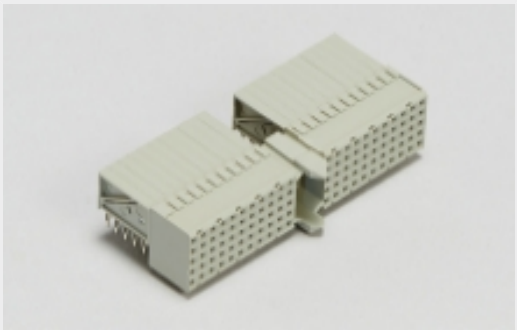


TE Part # 6469048-1
HMZD 4PR RA HDR 80P ASSY LF

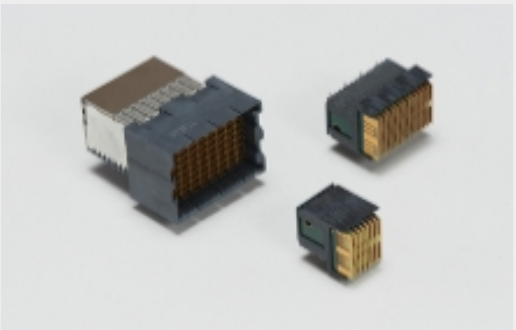


TE Part # 6469056-1
HMZD 4PR. HDR ASSY.,25MM MODUL

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 #66104-9
III+ SKT,24-20,30AU/FL,STRIP



TE Part #1376020-2
DYNAMIC D2100 HDR H ASSY 12P Y



TE Part #1123829-1
DYNAMIC D-5200 HDR H ASSY 8P



TE Part #6469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY



Documents

Product Drawings

[HM-ZD VERT RECPT ASSY 18MM](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1469362-1_C_c-1469362-1-c.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1469362-1_C_c-1469362-1-c.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1469362-1_C_c-1469362-1-c.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

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

English

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

English

Product Specifications

[Application Specification](#)

English



Application Specification

English