1469362-1 ✔ ACTIVE

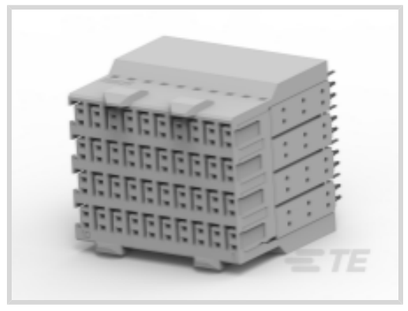
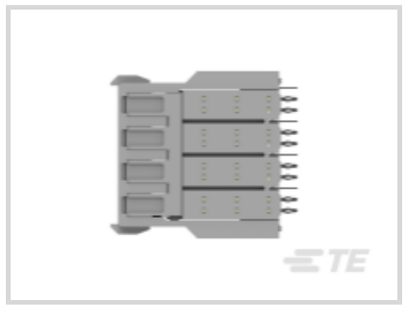
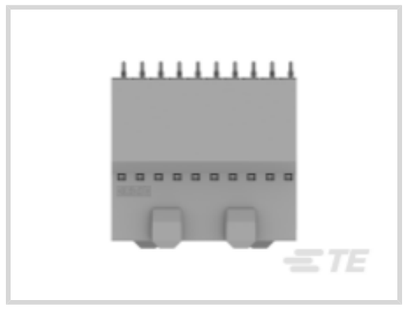
Z-PACK | Z-PACK HM-Zd

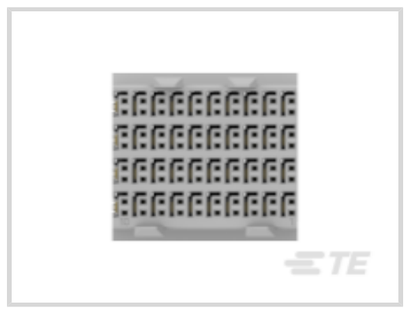
TE Internal #: 1469362-1

80 Position, Mating Alignment, Polarization Mating Alignment Type, 8 Row, 10 Column, Z-PACK HM-Zd, High Speed Backplane Connectors

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: **Polarization**

Number of Rows: **8**

Features

Product Type Features

Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Receptacle
Shroud Style	Fully Shrouded

Configuration Features

Pairs per Column	4
Number of Ground Positions	40
Card Slot Centerline	25.4 mm[1 in]
Number of Pairs	40
Number of Signal Positions	80
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 Length	2.2 mm[.087 in]
Contact Layout	Matrix
Contact Type	Receptacle
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.7 A

Termination Features

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

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 Length	24.9 mm[.98 in]
Connector Height	14.97 mm[.589 in]
Connector Width	22.5 mm[.88 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

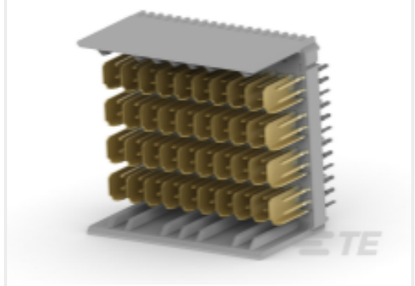
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

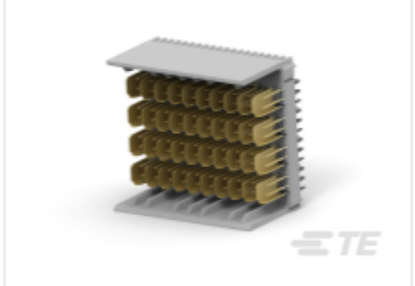
Product Compliance Disclaimer

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

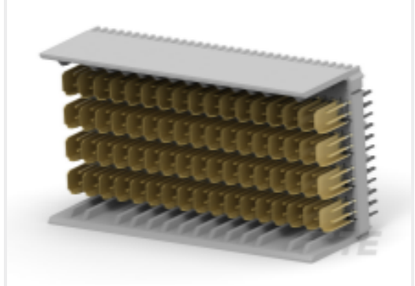
Compatible Parts



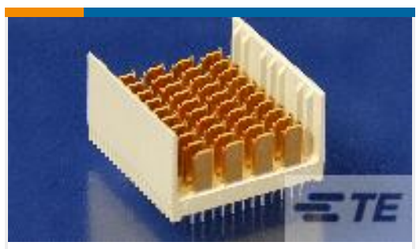
TE Part # 1469002-1
HM-ZD 4PR HDR 80P 5.2MM



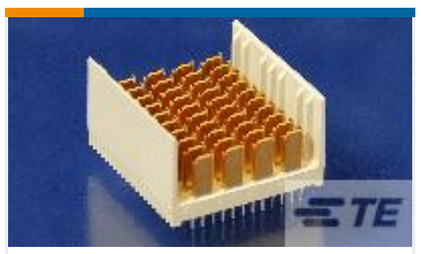
TE Part # 6469074-1
HM-ZD 4PR HDR ASSY 1.8MM



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

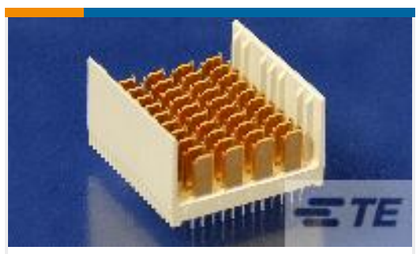


TE Part # 1469074-1
HM-ZD 4PR HDR ASSY 1.8MM

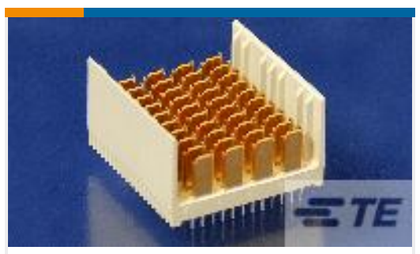


TE Part # 6469002-2
HM-ZD 4PR HDR 80P 3.7MM

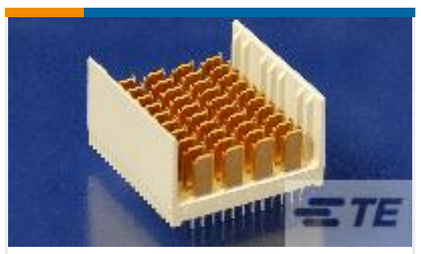
TE Part # 6469048-1
HMZD 4PR RA HDR 80P ASSY LF



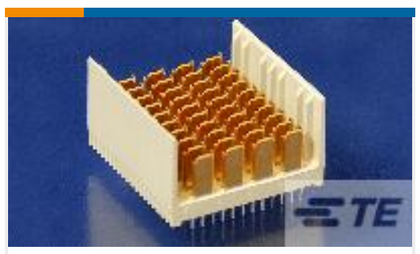
TE Part # 6469046-1
HMZD HRD ASSY, 4 PAIR



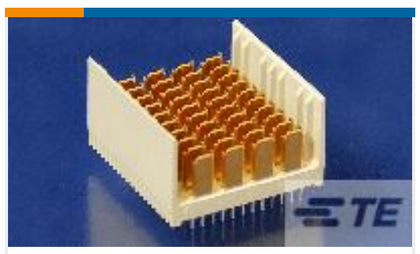
TE Part # 6469056-1
HMZD 4PR. HDR ASSY.,25MM MODUL



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

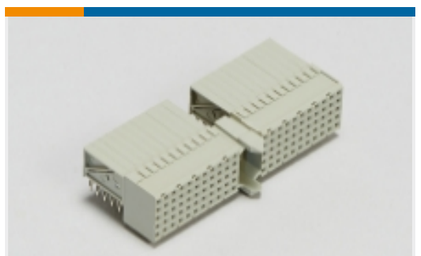


TE Part # 6469292-1
HM ZD 4 PR HEADER, SEQUENCED

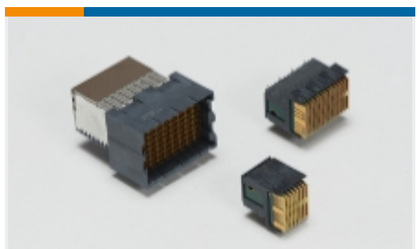


TE Part # 6469320-1
HM Zd 4 PR Pin Assy, Sequenced, LF

Also in the Series | Z-PACK HM-Zd



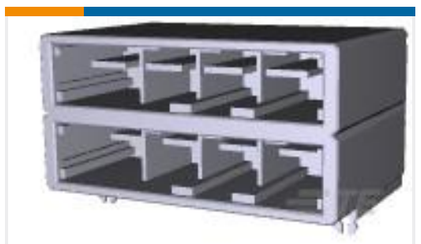
Hard Metric Backplane Connectors(1)



High Speed Backplane Connectors(46)

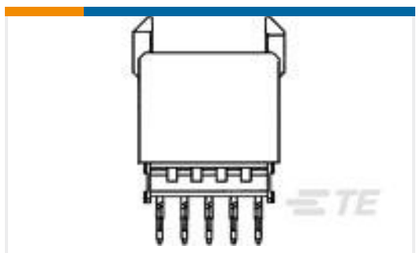
Insertion & Extraction Tools(1)

Customers Also Bought



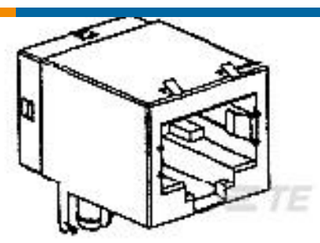
TE Part #1123829-1
DYNAMIC D-5200 HDR H ASSY 8P

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

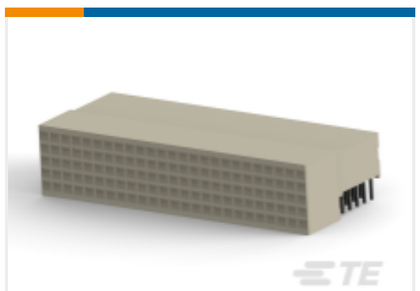


TE Part #5106774-1
Z-PACK/B25 VF 125P

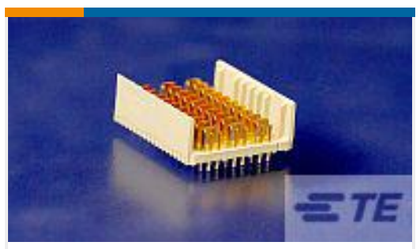
TE Part #1473668-1
KIT D-5 (D-5 DYNA-CLAMP 3P)



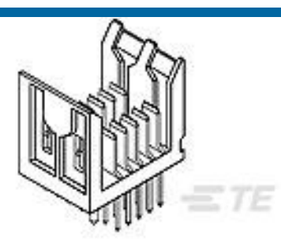
TE Part #5558341-1
MJ,8POS,R/A,CAT 5e



TE Part #5646728-1
HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



TE Part #6469083-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part #5536642-7
FB-5R,ASY,010,PWR,HDR,EN,SEQ

TE Part #923767-E
ERMB 150 MI 1 L1 * 3,50 A-F V-V 9999 * 2

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

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