1469001-1 ✔ ACTIVE

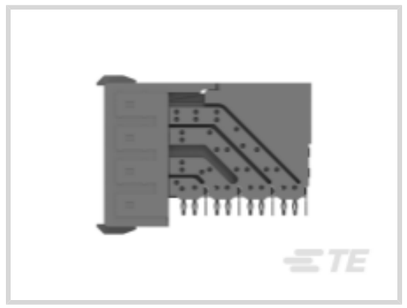
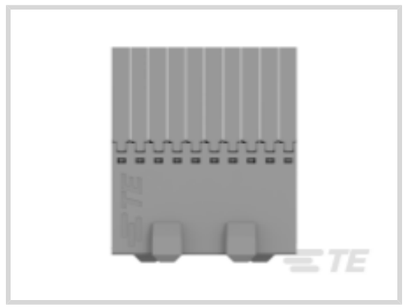
Z-PACK | Z-PACK HM-Zd

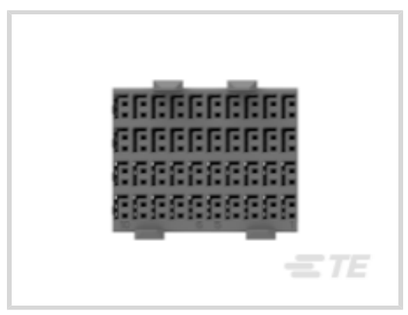
TE Internal #: 1469001-1

80 Position High Speed Backplane Connector, 8 Row, 10 Column, PCB Mount Receptacle, Right Angle, Fully 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: **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	Right Angle

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 Base Material	Copper Nickel Silicon
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	27.9 mm[1.098 in]
Connector Height	19.35 mm[.761 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

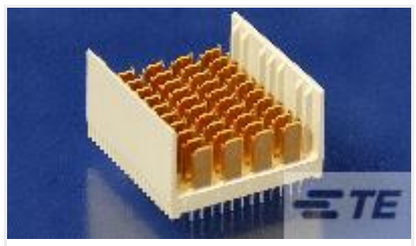
For compliance documentation, visit the product page on TE.com>

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	Restricted Materials 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

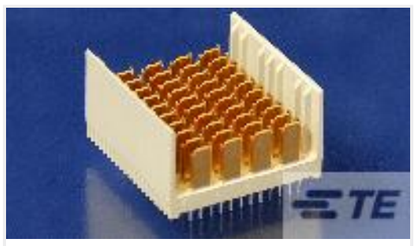
Product Compliance Disclaimer

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

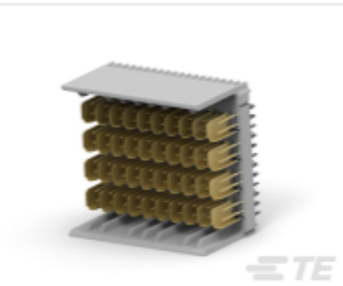
Compatible Parts



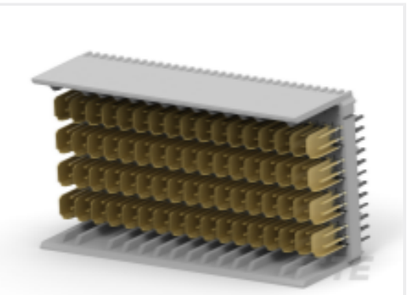
TE Part # 6469046-1
HMZD HRD ASSY, 4 PAIR



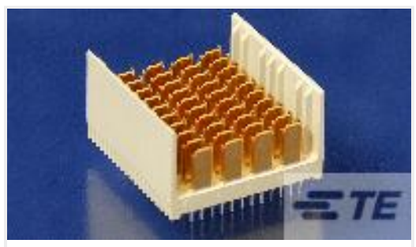
TE Part # 6469292-1
HM ZD 4 PR HEADER, SEQUENCED



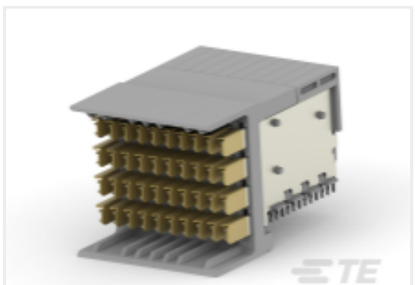
TE Part # 6469074-1
HM-ZD 4PR HDR ASSY 1.8MM



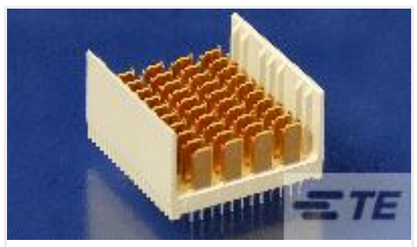
TE Part # 6469002-1
HM-ZD 4PR HDR 80P 5.2MM



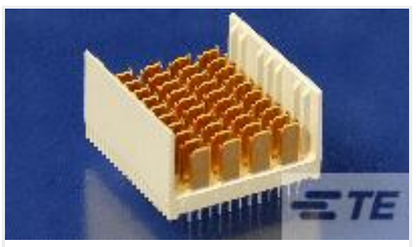
TE Part # 6469056-1
HMZD 4PR. HDR ASSY.,25MM MODUL



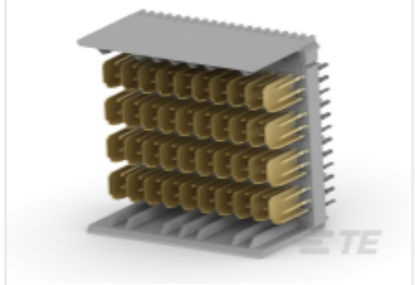
TE Part # 6469048-1
HMZD 4PR RA HDR 80P ASSY LF



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



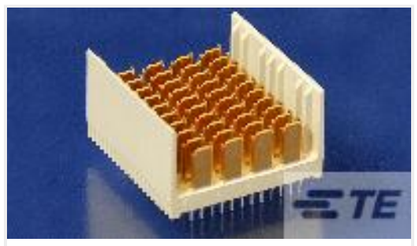
TE Part # 6469079-1
HMZD HDR ASSY 4 PR SELECT LOAD



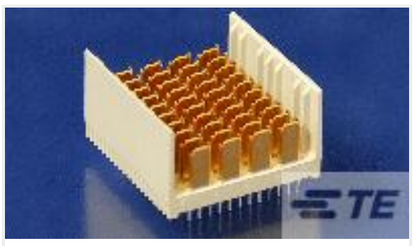
TE Part # 1469002-1
HM-ZD 4PR HDR 80P 5.2MM



TE Part # 1583224-1
TOOL,REMOVAL,HMZD RECEPT. HOUS



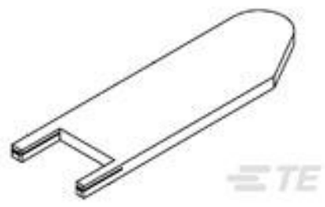
TE Part # 1469074-1
HM-ZD 4PR HDR ASSY 1.8MM



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

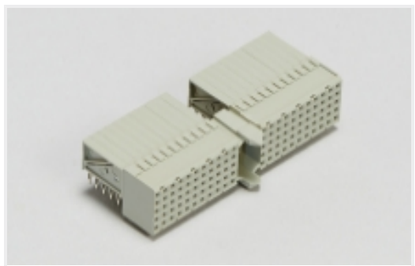


TE Part # 91347-1
SEATING TOOL,HMZD RCPT, 4 PAIR

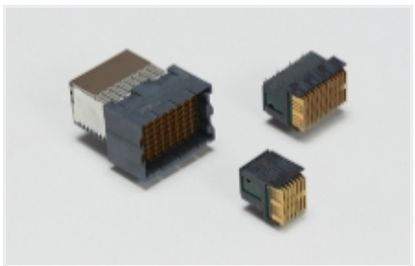


TE Part # 1583248-1
TOOL,REMOVAL,HMZD CHICLET,4 PR

Also in the Series | Z-PACK HM-Zd



Hard Metric Backplane Connectors(1)



High Speed Backplane Connectors(46)

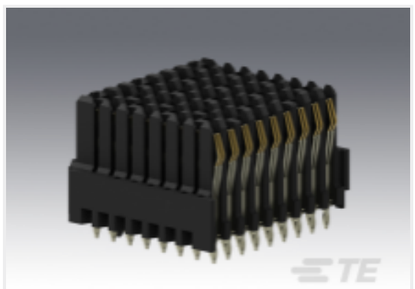


Insertion & Extraction Tools(1)

Customers Also Bought



TE Part #35787
TERMINAL,PIDG R 12-10 8



TE Part #1410186-2
MULTIGIG RT T2 .8" BP HALF LEFT



TE Part #1614882-2
CPF0603 1K0 0.1% 25PPM 5K RL



TE Part #4-1625971-4
HSA25 3K3 5%



TE Part #2007194-2
SFP+ 1x1 Cage Assembly, PCI, Solder Tail



TE Part #2013289-2
SEMI-HARD TRAY DDR3 204P 5.2H STD Au0.25



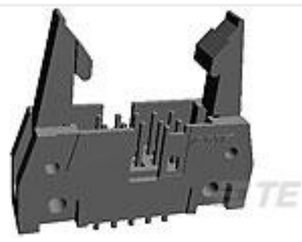
TE Part #4-2176337-6
CRGCQ 0402 56K 1%



TE Part #3-2176341-7
CRGCQ 0805 10K 1%



TE Part #5223961-1
TE UPM R/A Header 3P STD Power, LLL



TE Part #5499910-4
A/L UNIV HDR 20P VERT SHT LAT

Documents

Product Drawings

HM-ZD 4PR RECP 80P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1469001-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1469001-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1469001-1_H.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Application Specification

English

Instruction Sheets

EXTRACTION TOOL FOR HM-Zd CONN.(REC)(TOOL P/N: 1596027-1)

English

Instruction Sheet (non U.S.)

English