6469292-1 ✔ ACTIVE

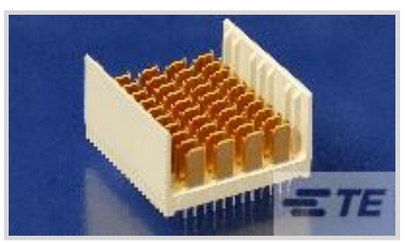
Z-PACK HM-Zd

TE Internal #: 6469292-1

80 Position High Speed Backplane Connector, 8 Row, 10 Column, PCB Mount Header, Vertical, Partially 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: **Guide Lugs**

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 Header
Shroud Style	Partially 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

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 Mating Area Length	5.3 mm[.21 in]
Contact Base Material	Phosphor Bronze
Contact Type	Pin
Contact Current Rating (Max)	.7 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.5 mm[.098 in]

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Guide Lugs
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Width	23.43 mm[.922 in]
Connector Height	13.4 mm[.527 in]
Connector Length	24.95 mm[.988 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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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 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 # 1469362-1
HM-ZD VERT RECPT ASSY 18MM

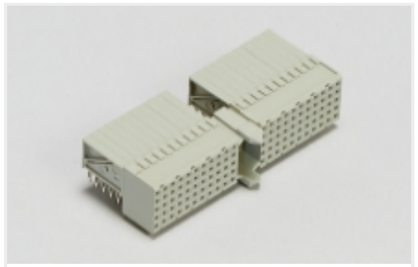


TE Part # 1469001-1
HM-ZD 4PR RECP 80P

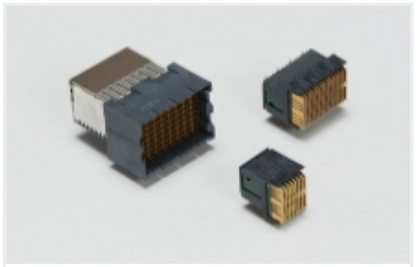


TE Part # 6469001-1
HM-ZD 4PR RECP 80P

Also in the Series | Z-PACK HM-Zd



Hard Metric Backplane Connectors(1)



High Speed Backplane Connectors(46)

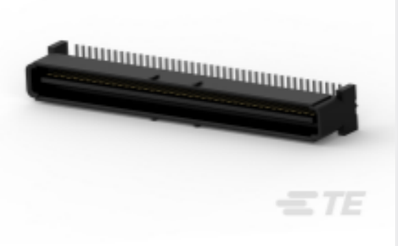


Insertion & Extraction Tools(1)

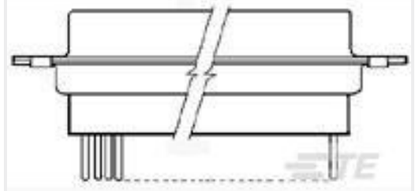
Customers Also Bought



TE Part #5-146134-5
12 MODII HDR DRST SFMNT B/A



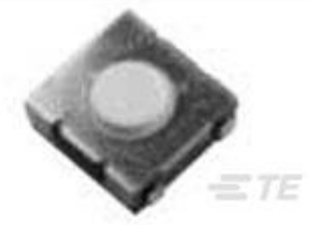
TE Part #CAT-314-PCB84
Free Height Plug Connector: Board-Board, Vertical, 84, 1mm



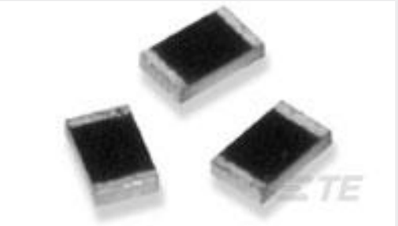
TE Part #208869-1
PLUG ASSY,62 POSN,AMPLIMITE



TE Part #1-644753-6
16P MTA156 HDR ASSY RN STR F/L



TE Part #1571625-6
TACT,6X6,SMT,J-LEAD,160GF,T&R



TE Part #7-1879254-1
RP 2B 40R2 0.1% 15PPM 1K RL



TE Part #1-5111105-2
A/L UNIV HDR 64P RA HT



TE Part #5557984-2
RCPT ASSY, 50POS, SHLDED, ACTI



TE Part #5787928-7
68 50SR R/A RCPT ASSY,RDSN L/F

Documents

Product Drawings

HM ZD 4 PR HEADER, SEQUENCED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6469292-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6469292-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6469292-1_A.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