6469074-1 ✔ ACTIVE

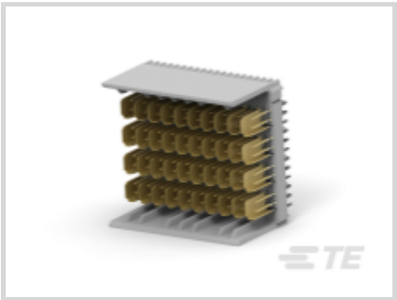
Z-PACK HM-Zd

TE Internal #: 6469074-1

High Speed Backplane Connectors, Board-to-Board, 80 Position, Mating Alignment, Guide Lugs Mating Alignment Type, 8 Row, 10 Column, Z-PACK HM-Zd

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors



Connector System: **Board-to-Board**

Number of Positions: **80**

Row-to-Row Spacing: **1.5 mm [.059 in]**

Mating Alignment: **With**

Mating Alignment Type: **Guide Lugs**

Features

Product Type Features

Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

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

Contact Features

Contact Layout	Matrix
Contact Mating Area Length	5.3 mm[.21 in]
Contact Type	Pin
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	1.8 mm[.07 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	24.95 mm[.988 in]
Connector Height	13.4 mm[.527 in]
Connector Width	23.43 mm[.922 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

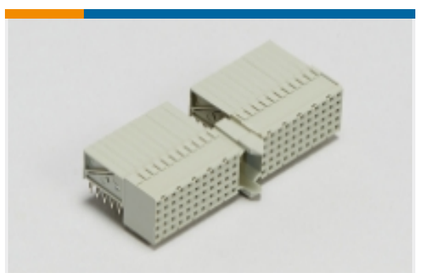
TE Part # 1469001-1
HM-ZD 4PR RECP 80P

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

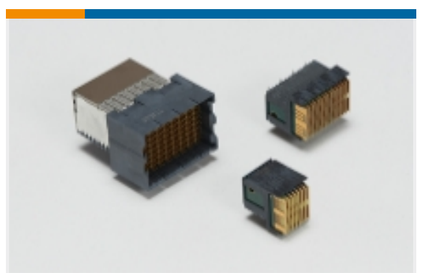
TE Part # 2065657-1
zd Plus, 4 pair, receptacle assy

TE Part # 2227510-1
HM-ZD 4PR RECP 80P 50Au

Also in the Series | Z-PACK HM-Zd



Hard Metric Backplane Connectors(1)



High Speed Backplane Connectors(46)

Insertion & Extraction Tools(2)

Documents

Product Drawings

HM-ZD 4PR HDR ASSY 1.8MM

English

CAD Files

Customer View Model

ENG_CVM_CVM_6469074-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6469074-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6469074-1_A.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

The Complete Solution for AdvancedTCA

English

Solutions for AdvancedTCA, AdvancedTCA 300, MicroTCA, and AdvancedMC Standards Datasheet 3-1773445-8

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_6469074-1_091020172352_dmtec

English

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