2065883-1 ✔ ACTIVE

Z-PACK | Z-PACK HM-Zd+

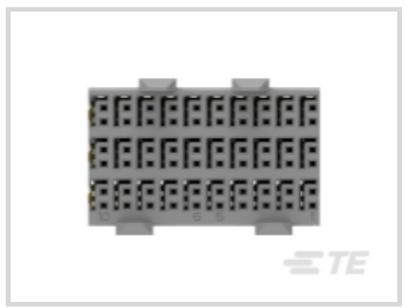
TE Internal #: 2065883-1

Z-PACK HM-Zd+, High Speed Backplane Connectors, Board-to-Board, 60 Position, Row-to-Row Spacing 1.5 mm [.059 in], Mating Alignment

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors




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

Number of Positions: **60**

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

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Features

Product Type Features

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

Configuration Features

Pairs per Column	3
Number of Ground Positions	60
Card Slot Centerline	25.4 mm[1 in]
Number of Pairs	60
Number of Signal Positions	60
Number of Positions	60
Number of Rows	6
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

Contact Features

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	Copper-Nickel-Silicon
Contact Current Rating (Max)	.6 A

Termination Features

Termination Post & Tail Length	1.7 mm[.066 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	24.9 mm[.98 in]
Connector Height	14.85 mm[.584 in]
Connector Width	23.4 mm[.921 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

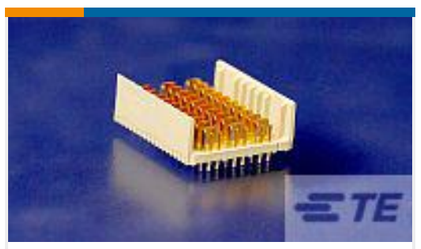
For compliance documentation, visit the product page on TE.com>

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: JUN 2020 (209) Candidate List Declared Against: JUN 2020 (209) 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



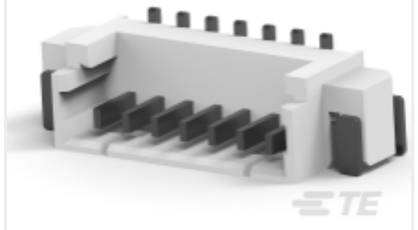
TE Model / Part # 2170245-1
HMZD+,3PAIRS,10COLS,VERTICAL, ASSEMBLY

Also in the Series | Z-PACK HM-Zd+



High Speed Backplane Connectors(5)

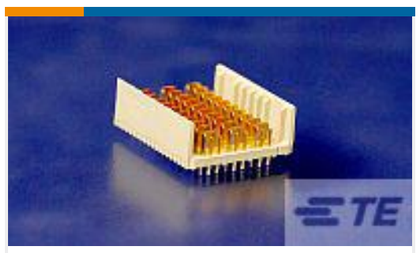
Customers Also Bought



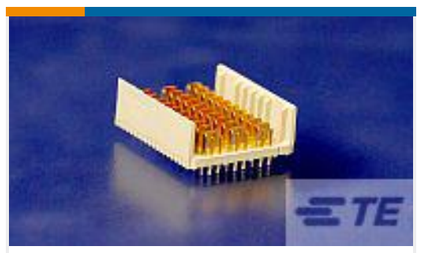
TE Model / Part #1-1734260-0
AMP HPI 1.25MM HEADERS



TE Model / Part #2336682-1
2MM HM FEMALE ASSY, COL8



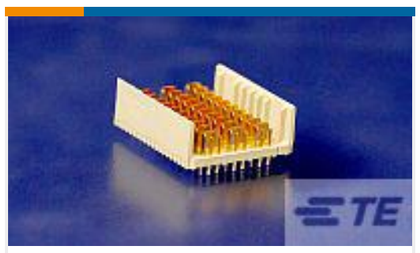
TE Model / Part #6469085-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



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



TE Model / Part #120953-4
UPM EXPANDED RCPT ASSEMBLY



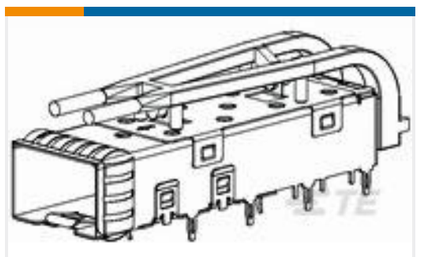
TE Model / Part #2170245-1
HMZD+,3PAIRS,10COLS,VERTICAL, ASSEMBLY



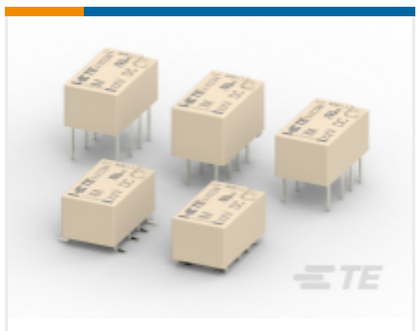
TE Model / Part #2007182-1
SFP accessories



TE Model / Part #5223995-4
UPM EXPANDED RECEPTACLE ASSEMB



TE Model / Part #2110929-1
SFP+ 1x1 Cage Assembly, Light Pipe



TE Model / Part #5-1462039-7
IM STANDARD (2 FORM C, 2CO CONTACTS)

Documents

Product Drawings

Zd Plus, 3 pair receptacle ass

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2065883-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2065883-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2065883-1_D.3d_stp.zip

English

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

Datasheets & Catalog Pages

5-1773463-9_Z-PACK_HM-ZD_PLUS_CONNECTOR

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English