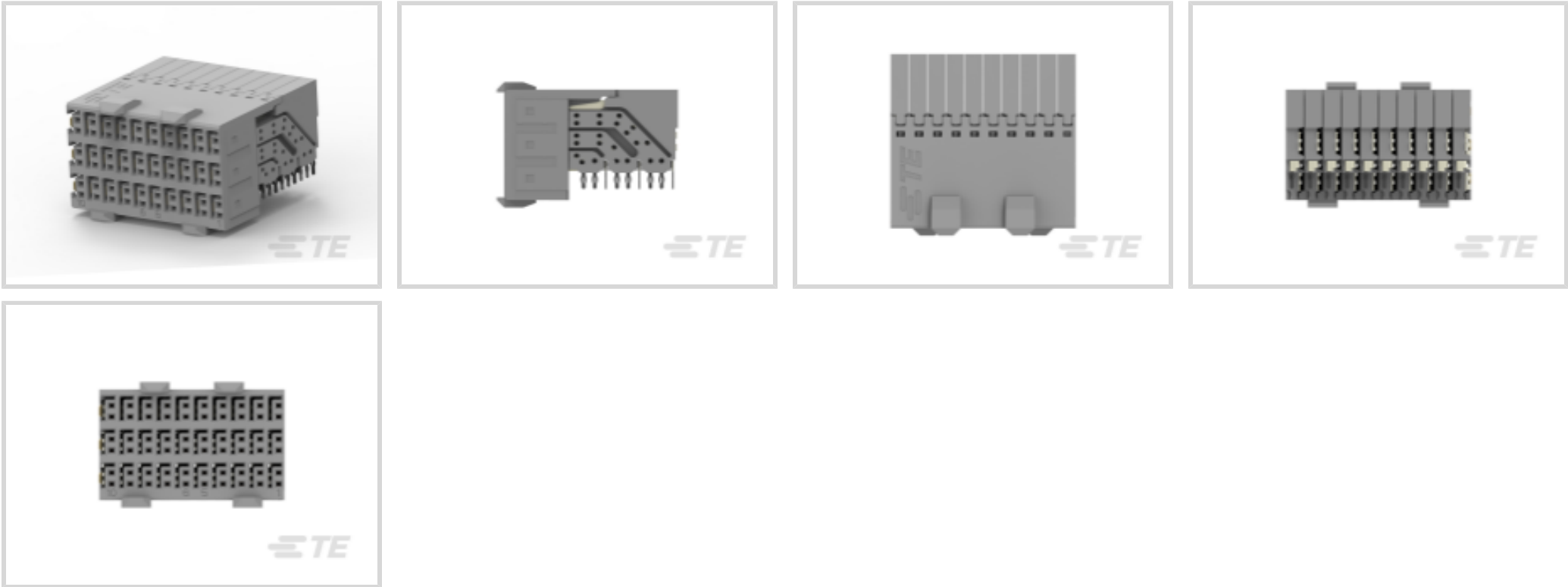




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 60
Row-to-Row Spacing: 1.5 mm [.059 in]
Mating Alignment: With
Mating Alignment Type: Polarization
Number of Rows: 6

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	30
Number of Ground Positions	30
Number of Signal Positions	60
Pairs per Column	3
Card Slot Centerline	20.3 mm[.8 in]
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
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	23.4 mm[.921 in]
Connector Height	14.85 mm[.584 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

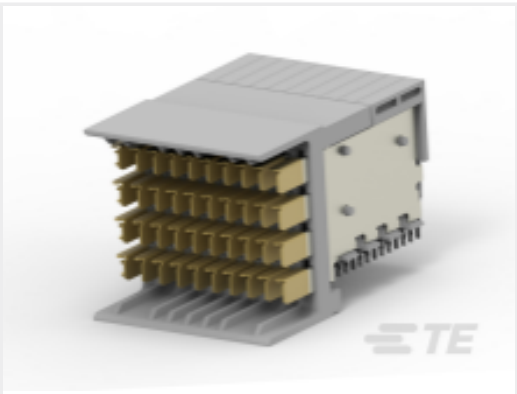
For compliance documentation, visit the product page on [TE.com](#)>

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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>

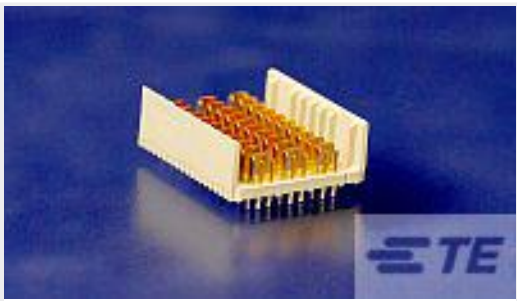
Compatible Parts



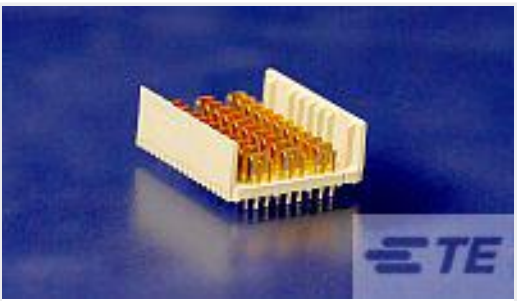
TE Part # 6469183-1
HMZD 3PR RA HDR 60P ASSY LF



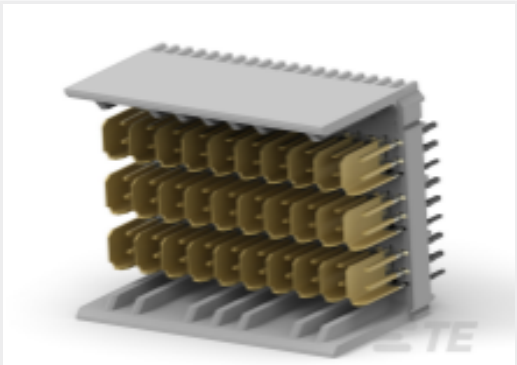
TE Part # 2274073-1
HM ZD 3 PR HEADER, SEQ, LF



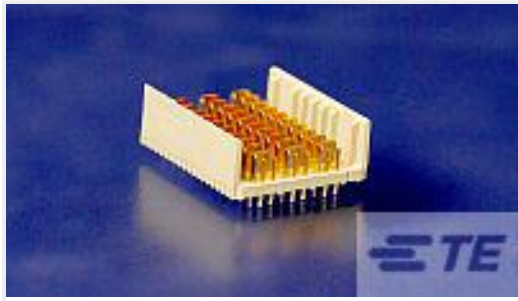
TE Part # 6469083-2
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part # 6469598-1
HM ZD 3 PR HEADER, SEQ, LF

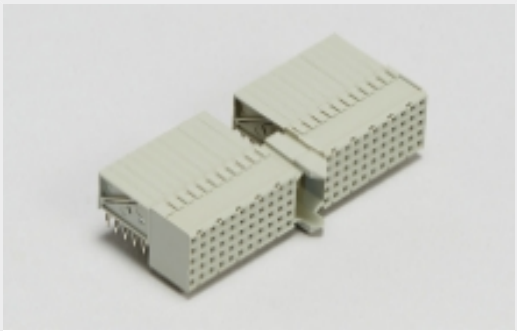


TE Part # 6469083-1
HMZD 3PAIR, HDR ASSY, 25MM MOD

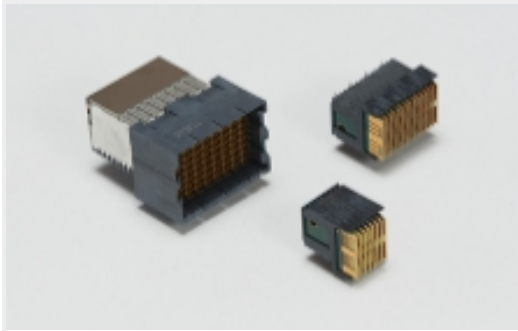


TE Part # 6469085-1
HMZD 3PAIR, HDR ASSY, 25MM MOD

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



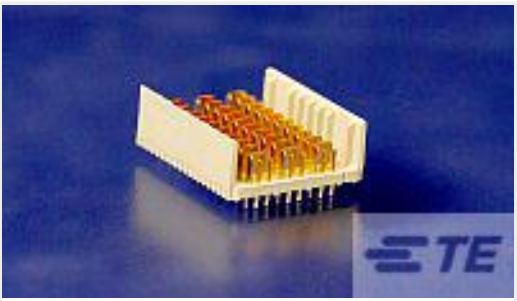
TE Part #2-1879523-2
CRGH2512 1% 16R5 2W



TE Part #4-2364427-4
PCIE GEN5 CON,SMT,164P,15u Au,S-MYLAR,HT



TE Part #2198318-2
zSFP+ STACKED 2X1 RECEPTACLE ASSEMBLY



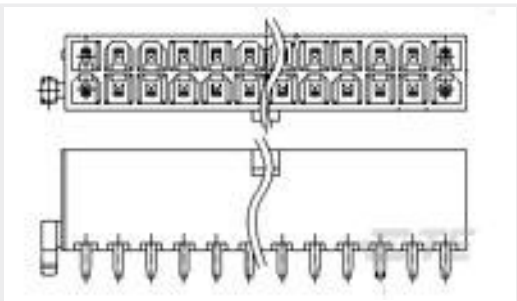
TE Part #6469085-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part #2299940-5
ZQSFP+ STACKED REC ASSEMBLY 2X1,HS



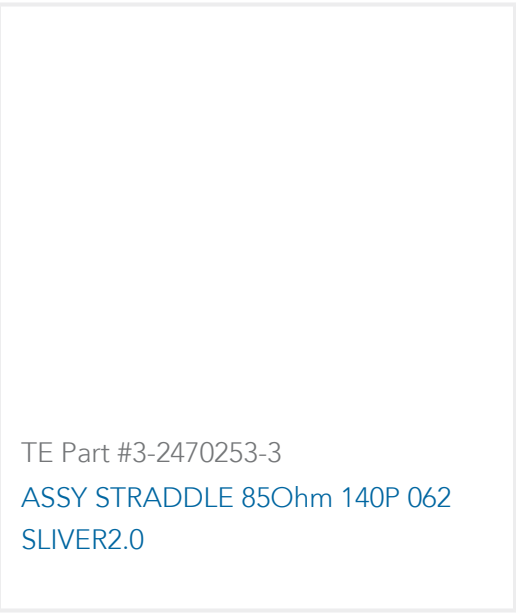
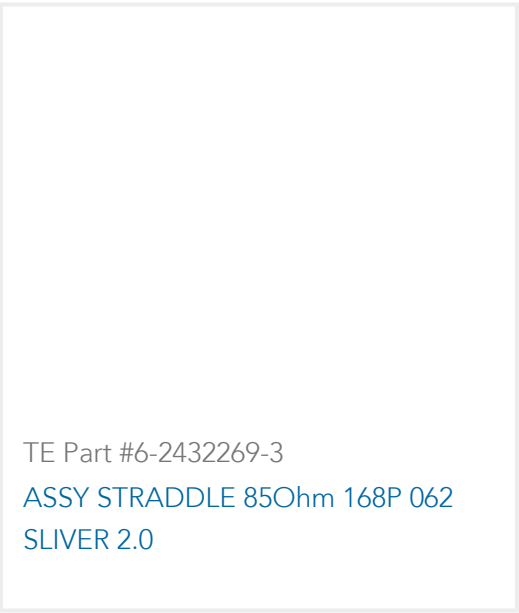
TE Part #2336682-1
2MM HM FEMALE ASSY, COL8



TE Part #1-1775099-2
ATX PWR CONN 1 BDLK 4 POS



TE Part #5535034-5
ASSY,RECEPTACLE,EUROCARD,TYPE C/2,L-FREE



Documents

Product Drawings

HMZD 3PR, RECEPTACLE ASSEMBLY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6469081-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6469081-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6469081-1_E.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

Product Specifications

Application Specification

English