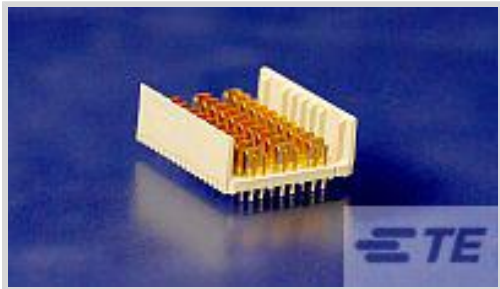




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



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

Number of Positions: **60**

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

Mating Alignment: **With**

Mating Alignment Type: **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	3
Number of Ground Positions	30
Card Slot Centerline	20.3 mm[.8 in]
Number of Pairs	30
Number of Signal Positions	60
Number of Positions	60
Number of Rows	6
Number of Columns	10
PCB Mount Orientation	Vertical
Guide Location	Unguided

Electrical Characteristics

Operating Voltage	250 VAC
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Signal Characteristics

Data Rate	≤12 Gb/s
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Body Features

Shield Material	Phosphor Bronze
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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	18.93 mm[.745 in]
Row-to-Row Spacing	1.5 mm[.059 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube
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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 # 1469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY



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



TE Part # 6469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY



TE Part # 6469081-2
HMZD 3PR, RECEPTACLE ASSEMBLY

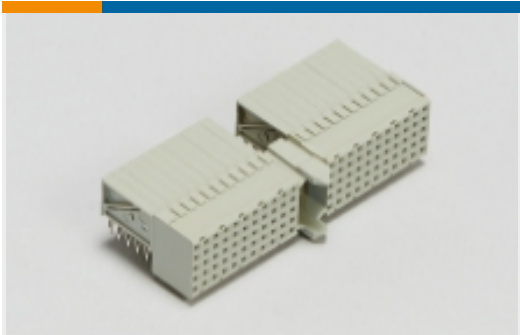


TE Part # 1645616-1
HMZD 3PR, RECEPTACLE ASSEMBLY
30Au

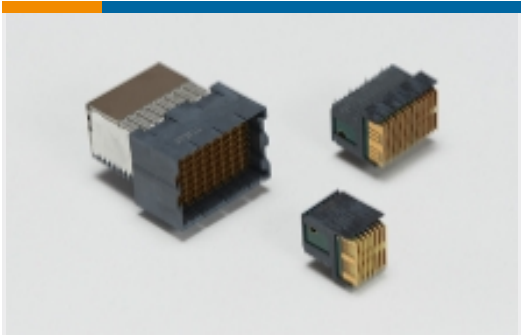


TE Part # 1645616-2
HMZD 3PR, RECEPTACLE ASSEMBLY
30Au

Also in the Series | Z-PACK HM-Zd



Hard Metric Backplane Connectors(1)



High Speed Backplane Connectors(46)

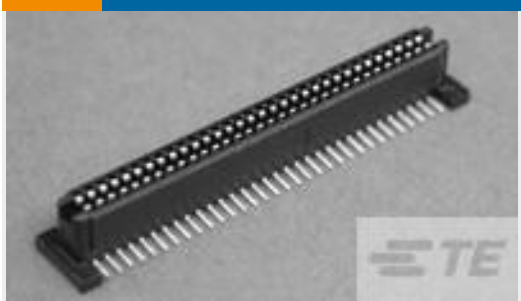


Insertion & Extraction Tools(2)

Customers Also Bought



TE Part #5120527-1
1FHP,64,30A/S,S,N,S10,12,13,15



TE Part #5120521-1
1FHR,64,30A/S,S,N,S08,09,10



TE Part #5749070-7
68 50SR VERT RCPT ASSY



TE Part #1367073-1
20 POS SMT CONN, SFP, 15AU



TE Part #1-206763-3
METRIMATE PIN HEADER ASSY,24P



TE Part #1934229-1
Tin Man Recpt Assy 3 Pair16 Column



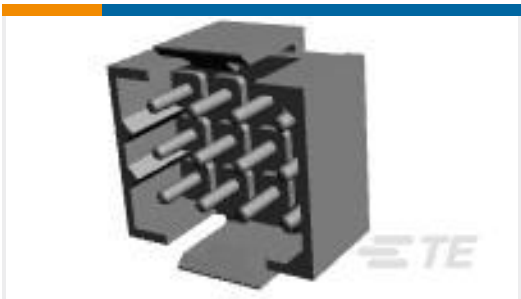
TE Part #6469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY



TE Part #1761987-9
ReceptacleConnAssm38PosTape/Re



TE Part #1934346-1
Tin Man Header Assy 3x16 Double



TE Part #1-207120-1
METRIMATE PIN HDR ASY,12P LF



Documents

Product Drawings

HMZD 3PAIR, HDR ASSY, 25MM MOD

English

CAD Files

Customer View Model

ENG_CVM_CVM_6469085-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6469085-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6469085-1_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

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English