

6469083-3 ✓ ACTIVE

Z-PACK | Z-PACK HM-Zd

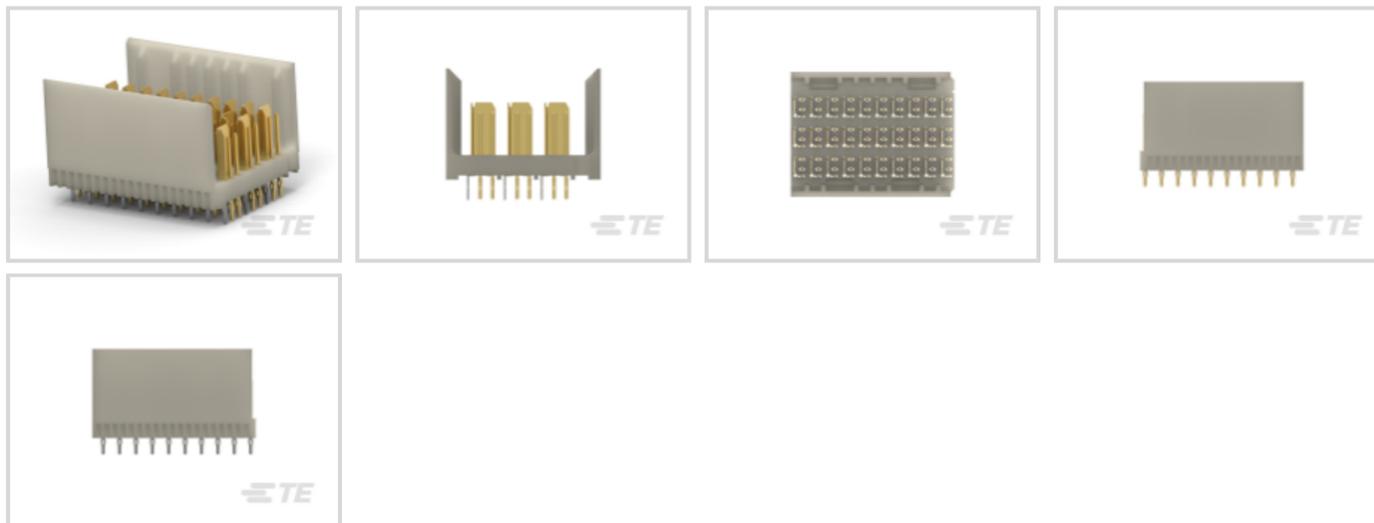
TE Internal #: 6469083-3

60 Position High Speed Backplane Connector, 6 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: 60

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

Mating Alignment: **With**

Mating Alignment Type: **Guide Lugs**

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 Header
Shroud Style	Partially Shrouded

Configuration Features

Number of Pairs	30
Number of Ground Positions	30
Number of Signal Positions	60
Pairs per Column	3
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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Primary Product Color	Gray
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Contact Features

Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
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Contact Layout	Matrix
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Contact Mating Area Plating Material	Gold (Au)
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Contact Base Material	Phosphor Bronze
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Contact Type	Pin
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Contact Current Rating (Max)	.7 A
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Termination Features

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

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

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

Connector Width	18.93 mm[.745 in]
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Connector Height	13.4 mm[.527 in]
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Connector Length	24.95 mm[.988 in]
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Row-to-Row Spacing	1.5 mm[.059 in]
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Usage Conditions

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

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

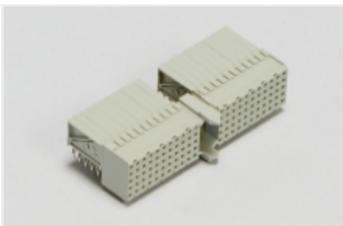
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

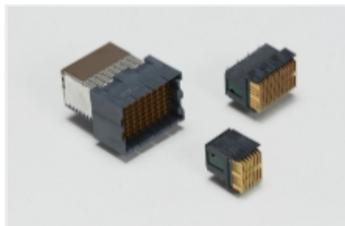


TE Part # 6469081-2
HMZD 3PR, RECEPTACLE ASSEMBLY

Also in the Series | Z-PACK HM-Zd



Hard Metric Backplane Connectors(1)



High Speed Backplane Connectors(46)

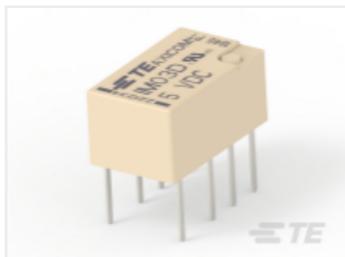


Insertion & Extraction Tools(1)

Customers Also Bought



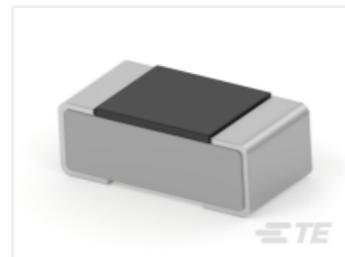
TE Part #234064-E
STVBTL BUT 100 CSI 2026 207 * J 2
34093



TE Part #8-1462039-3
IM03DTS=IM RELAY 140mW 5V



TE Part #1-1623772-7
C7 1R0 2% AMMO PK



TE Part #3-2176338-0
CRGCO 0402 68K 5%



TE Part #CAT-472-Z12
Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm



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



TE Part #5646446-1
2MM HM,ASY,T-F,REC,TWIST TULIP



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

Documents

Product Drawings

[HMZD 3PAIR, HDR ASSY, 25MM MOD](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_6469083-3_B.2d_dxf.zip](#)



English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6469083-3_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6469083-3_B.3d_stp.zip](#)

English

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