

1645569-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

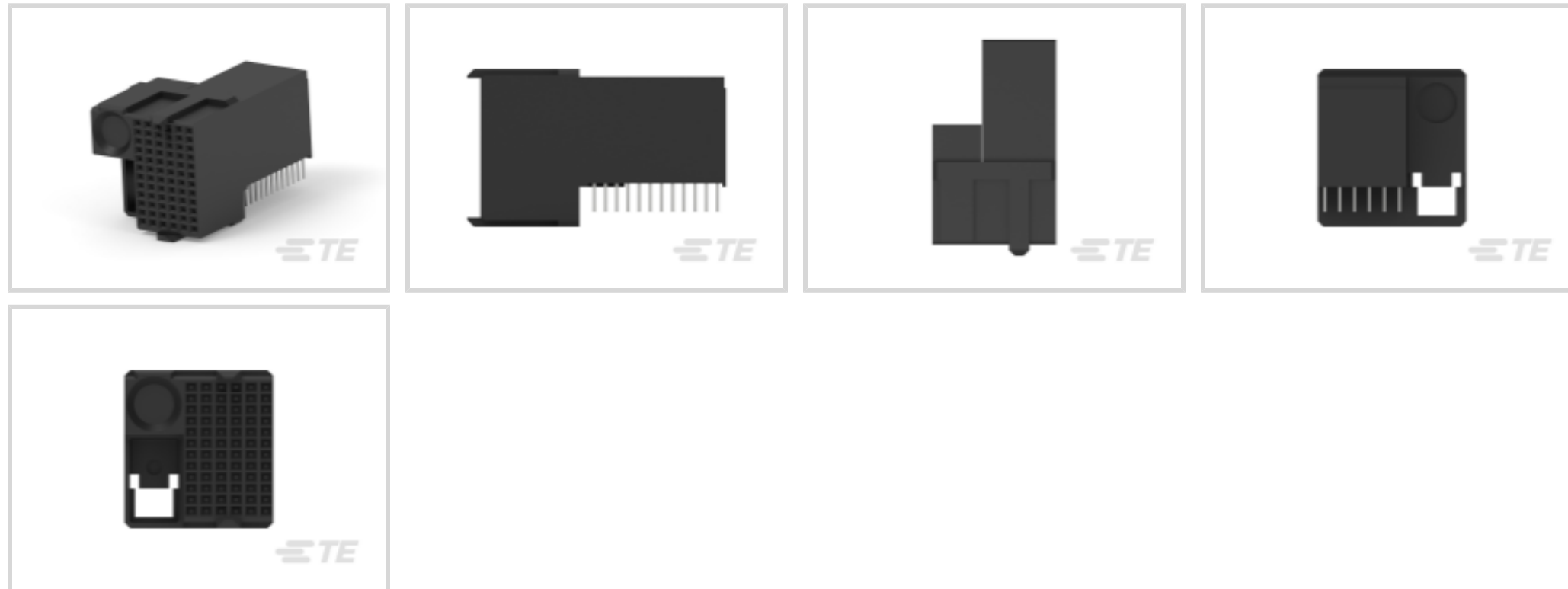
TE Internal #: 1645569-1

Hard Metric Backplane Connectors, PCB Mount Receptacle, 1 Gb/s, 6 Column, 12 Row, Traditional Backplane, Board-to-Board, 72 Position, Z-PACK 2mm HM

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > Hard Metric Connectors



PCB Connector Assembly Type: **PCB Mount Receptacle**

Data Rate: **1 Gb/s**

Number of Columns: **6**

Number of Rows: **12**

Backplane Architecture: **Traditional Backplane**

Features

Product Type Features

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

Configuration Features

Number of Columns	6
Number of Rows	12
Backplane Architecture	Traditional Backplane
Number of Positions	72
PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	1 Gb/s
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Contact Features

Contact Type	Receptacle
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Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.7 μm [27.165 μin]
Contact Current Rating (Max)	1 A

Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Housing Material	Glass Filled Polyester
Centerline (Pitch)	2 mm[.079 in]
Housing Color	Black

Usage Conditions

Operating Temperature Range	-55 – 125 $^{\circ}\text{C}$ [-67 – 257 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
AdvancedTCA Specified Product	No

Packaging Features

Packaging Quantity	27
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




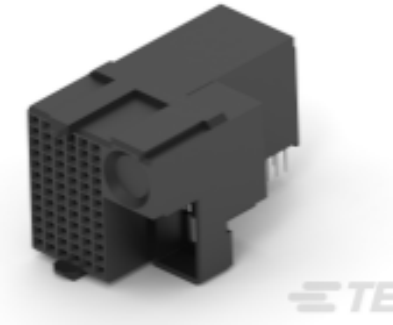
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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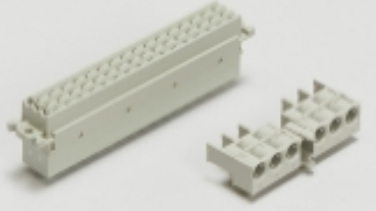

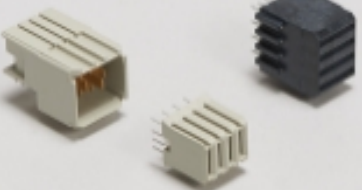

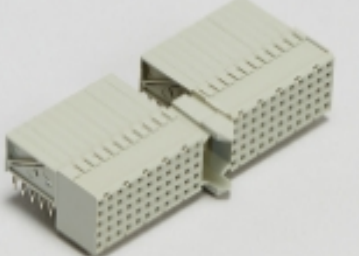
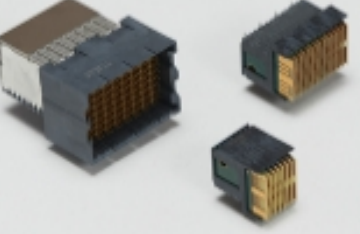

Product Compliance Disclaimer

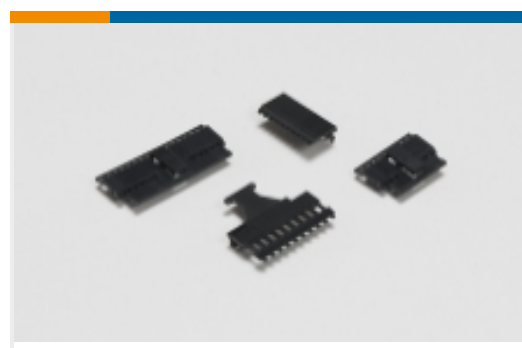
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

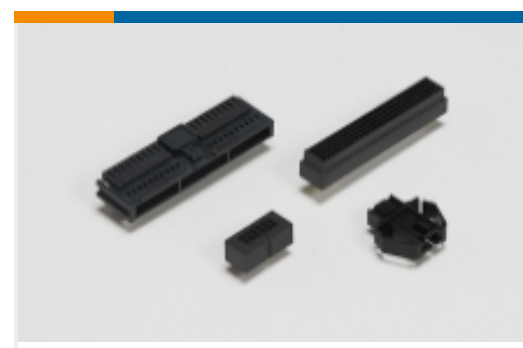
 TE Part # 1645568-1 12 ROW HM RA REC ASY 144P CTR	 TE Part # 1645570-1 12 ROW HM RA REC ASY 072P RGHT	 TE Part # 1645560-1 2MMHM HDR ASY,12R SEL/LD 144 P	 TE Part # 1645562-1 2MMHM HDR ASY,12R SEL/LD 144P
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Also in the Series | Z-PACK 2mm HM

 Backplane Coding Keys(60)	 Backplane Connector Housings(4)	 Backplane Guide Hardware(37)	 Backplane Power Connectors(6)
 Board-to-Board Connector Contacts(2)	 Hard Metric Backplane Connectors (269)	 High Speed Backplane Connectors(1)	 Insertion & Extraction Tools(2)



PCB Connector Covers(4)



PCB Connector Shrouds(39)



PCB Ferrules & Shields(19)



Rectangular Power Connectors(87)

Documents

Product Drawings

[12 ROW HM RA REC ASY 072P LFT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1645569-1_A_c-1645569-1-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1645569-1_A_c-1645569-1-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1645569-1_A_c-1645569-1-a.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English