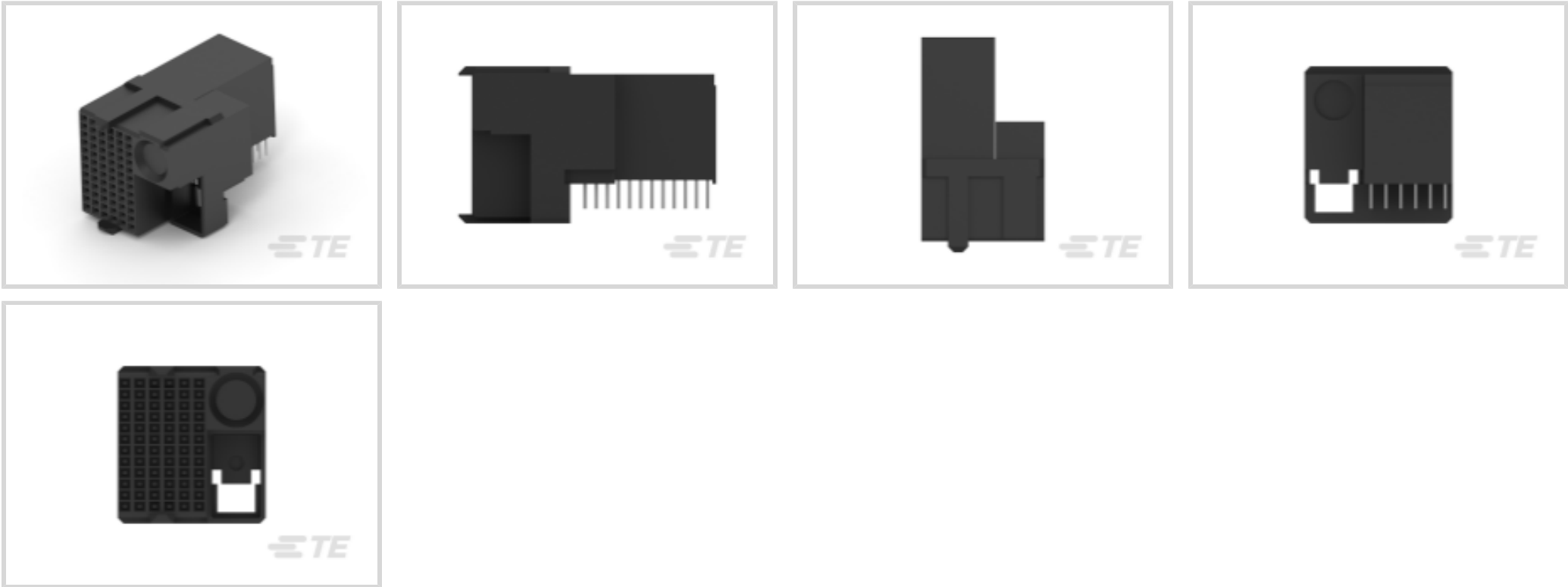




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors



PCB Connector 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

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

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
-----------	--------

Body Features

Primary Product Color	Black
-----------------------	-------



Contact Features

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

Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2 mm[.079 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
-----------------------------	---------------------------

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

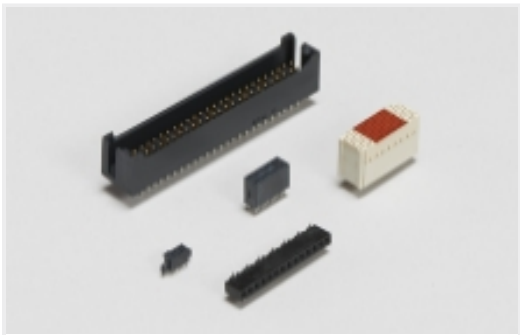
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1645569-1
12 ROW HM RA REC ASY 072P LFT

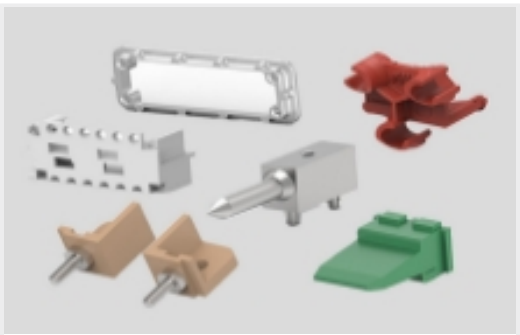
Also in the Series | Z-PACK 2mm HM



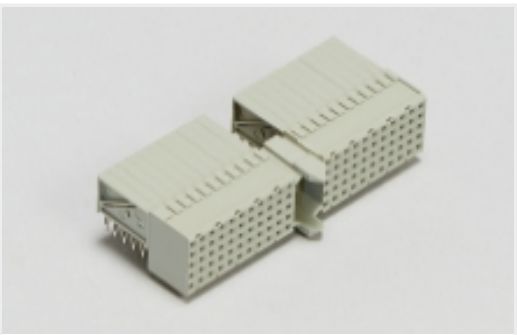
Board-to-Board Headers & Receptacles(46)



Connector Contacts(1)



Connector Hardware(91)



Hard Metric Backplane Connectors (264)



Power Contacts(1)



Rectangular Power Connectors(46)



Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING

Documents

Product Drawings
12 ROW HM RA REC ASY 072P RGHT
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1645570-1_A_c-1645570-1-a.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1645570-1_A_c-1645570-1-a.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1645570-1_A_c-1645570-1-a.3d_stp.zip
English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications
Application Specification
English

Instruction Sheets
Instruction Sheet (U.S.)
English

1645570-1

Hard Metric Backplane PCB Mount Receptacle, 1 Gb/s, 6 Column, 12 Row,
Traditional Backplane, 72 Position, 2 mm [.079 in] Centerline, Z-PACK 2mm HM

