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HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



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

Data Rate: **≤1 Gb/s**

Number of Columns: **25**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm \(48\)](#)

Features

Product Type Features

Backplane Interface Type	2mm HM
Ground Feature Type	Ground Return Shielding
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Rows Loaded	A, B, C, D, E
Number of Columns	25
Number of Rows	5
Backplane Architecture	Mezzanine
Number of Positions	125



PCB Mount Orientation	Right Angle
Signal Characteristics	
Crosstalk Version	Standard
Data Rate	≤1 Gb/s
Body Features	
Primary Product Color	Gray
Contact Features	
Contact Mating Area Length	3.3 mm
Feedthrough Post Length	3.7 mm
CompactPCI Designation	None
Contact Type	Socket
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Current Rating (Max)	1.5 A
Mechanical Attachment	
Mating Alignment Type	Multi-Purpose Center
Connector Mounting Type	Board Mount
Housing Features	
Housing Material	Polyester - GF
Centerline (Pitch)	2 mm[.078 in]
Dimensions	
Backplane Module Length	50 mm
Usage Conditions	
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Shielded	Yes
Circuit Application	Power & Signal
Industry Standards	



UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	11
Packaging Method	Tube

Other

Backplane Connector Comment	Female connector with pre-installed shield.
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # 1338905-1
EXTRACTION TOOL, 5 ROW

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)

Customers Also Bought

TE Part #4-2176070-2
3521 510R 1% 2W

TE Part #51494-2
STD HIGH VOLTAGE BLKHD RECEPT

TE Part #7-1625868-5
RP 2A 0.25W 31R6 0.1% 25PPM 1K RL

TE Part #2-1879208-0
CPF 0402 62R 0.1% 25PPM 1K RL



TE Part #4-2337939-3
PCIE GEN4 CON,SMT,98POS,15u",
MYLAR,HT

TE Part #5338108-2
Z-PACK SHLD.LOWER A

TE Part #1-1879128-3
RN 0402 604R 0.1% 10PPM CUT
LENGTH

TE Part #2170902-1
HM-EZD+,4PAIRS,10COLS,VERTICAL,
ASSEMBLY

TE Part #NB10602001
ATUM-3/1-0-STK

TE Part #1055451-1
LOCATOR TOOL

Documents

Product Drawings

Z-PACK/B F-HDR.125P

English

CAD Files

Customer View Model

ENG_CVM_CVM_352069-1_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_352069-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_352069-1_F.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

Product Environmental Compliance

MD_352069-1_083120122156

English

MD_352069-1_083120122156

English



Instruction Sheets

INSERTION TOOL FOR Z-PACK 2mm HM CONN.

Japanese

Instruction Sheet (non U.S.)

Japanese