

5646488-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 5646488-1

Hard Metric Backplane PCB Mount Receptacle, ≤ 1 Gb/s, 19

Column, 5 Row, Mezzanine, 95 Position, 2 mm [.078 in] Centerline,

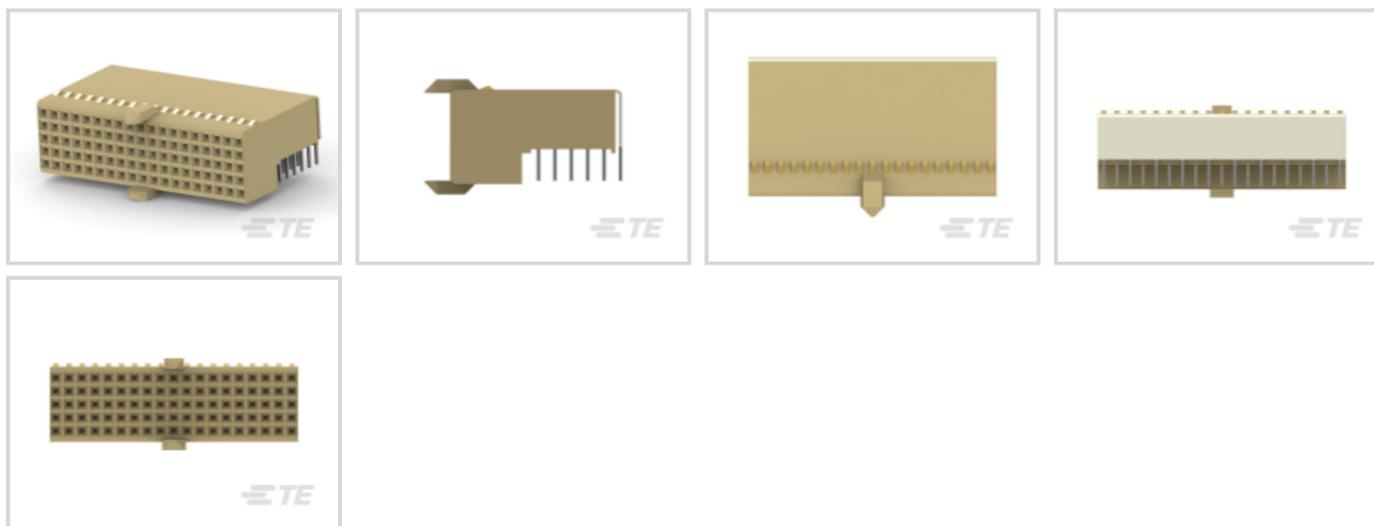
Right Angle, Z-PACK 2mm HM

[View on TE.com >](#)



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

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



PCB Connector Type: **PCB Mount Receptacle**

Data Rate: ≤ 1 Gb/s

Number of Columns: **19**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

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

Features

Product Type Features

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

Configuration Features

Rows Loaded	A, B, C, D, E
Number of Signal Positions	110, 125
Number of Columns	19
Number of Rows	5
Backplane Architecture	Mezzanine
Number of Positions	95



PCB Mount Orientation	Right Angle
Signal Characteristics	
Crosstalk Version	Standard
Data Rate	≤1 Gb/s
Body Features	
Primary Product Color	Gray
Contact Features	
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Feedthrough Post Length	3.3 mm
Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.38 μm[15 μin]
Contact Current Rating (Max)	1.5 A
Mechanical Attachment	
Connector Mounting Type	Board Mount
Mating Alignment Type	Multi-Purpose Center
Front Mating Level	Level 1
Housing Features	
Housing Material	Polyester GF
Centerline (Pitch)	2 mm[.078 in]
Dimensions	
Backplane Module Length	38 mm
Usage Conditions	
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Shielded	Yes
Circuit Application	Signal
Industry Standards	

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	14
Packaging Method	Tube

Product Compliance

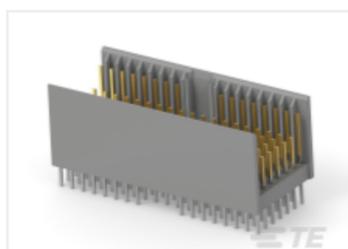
[For compliance documentation, visit the product page on TE.com>](#)

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>

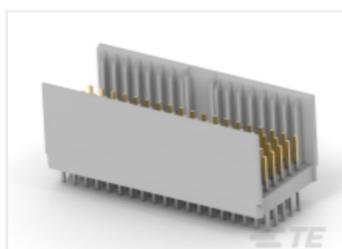
Compatible Parts



TE Part # 5646530-1
Z-PACK 2MM HM TYPE A/B 127P



TE Part # 122562-1
SEATING TOOL



TE Part # 5646948-1
Z-PACK 2MM HM TYPE A/B 95P



TE Part # 2392921-1
2MM H.M., A/B-19 RECEPT. ASSY.
EON



Also in the Series | Z-PACK 2mm HM



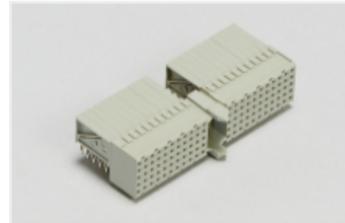
Board-to-Board Headers & Receptacles(46)



Connector Contacts(1)



Connector Hardware(91)



Hard Metric Backplane Connectors (264)



Power Contacts(1)



Rectangular Power Connectors(46)

Customers Also Bought



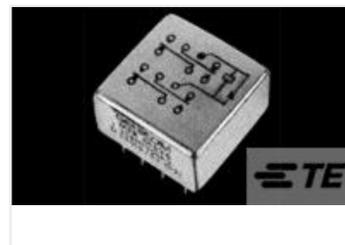
TE Part #CONMMCX007-R178
MMCX Plug 50 Ohm Cable Crimp



TE Part #1-213826-1
CPC 17-9 PSTD RECEPT ASSY LF



TE Part #CAT-472-Z12553
HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



TE Part #1-1617076-1
3SBH1139A2 = M39016/14-002M



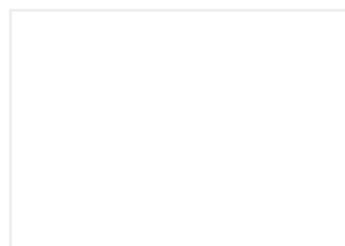
TE Part #3-2176087-0
RP 1J 0.166W 137R 0.1% 25PPM 1K RL



TE Part #5177984-1
0.8FH,P05H.5,040,08/Sn,TU



TE Part #4-1437142-1
FSN-22A-20=NOMEX FS STD



TE Part #1-1617067-3
8000-X3024 = VOLTAGE PHASE SEN



TE Part #1-1618400-5
8000-S3121=SOLID STATE RELAY



Documents

Product Drawings

[2MM H.M., A/B-19 RECEPT. ASSY.](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5646488-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5646488-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5646488-1_A.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English