

5646492-1 ✓ ACTIVE



Z-PACK | Z-PACK 2mm HM

TE Internal #: 5646492-1

Hard Metric Backplane PCB Mount Receptacle, ≤ 1 Gb/s, 11 Column, 8 Row, Mezzanine, 88 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: 11

Number of Rows: 8

Backplane Architecture: **Mezzanine**

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

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Ground Feature Type	Ground Return Shielding
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, F, G, H
Number of Signal Positions	88
Number of Columns	11
Number of Rows	8
Backplane Architecture	Mezzanine



Number of Positions	88
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PCB Mount Orientation	Right Angle
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Signal Characteristics

Crosstalk Version	Standard
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Data Rate	≤1 Gb/s
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Body Features

Primary Product Color	Gray
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Contact Features

Contact Underplating Material	Nickel
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Contact Base Material	Phosphor Bronze
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CompactPCI Designation	None
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PCB Contact Termination Area Plating Material	Tin
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Feedthrough Post Length	3.3 mm
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Contact Type	Socket
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Contact Mating Area Plating Material	Performance Based
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Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
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Contact Current Rating (Max)	1.5 A
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Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Mating Alignment Type	Multi-Purpose Center
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Housing Features

Housing Material	Polyester GF
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Centerline (Pitch)	2 mm[.078 in]
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Dimensions

Backplane Module Length	25 mm
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Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Shielded	Yes
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Circuit Application

Signal

Industry Standards

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

20

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

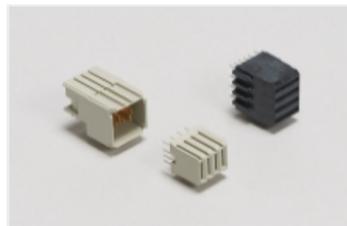


TE Part # CAT-472-Z12
Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm

Also in the Series | Z-PACK 2mm HM



Backplane Connector Housings(4)



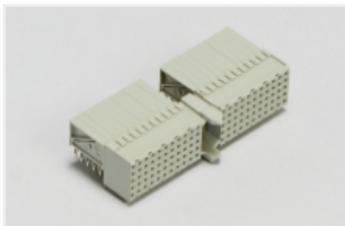
Backplane Power Connectors(1)



Connector Caps & Covers(62)



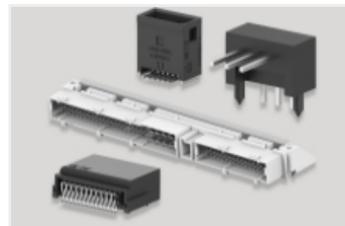
Connector Hardware(91)



Hard Metric Backplane Connectors
(266)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(46)



Rectangular Power Connectors(46)

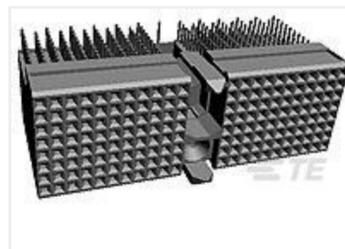
Customers Also Bought



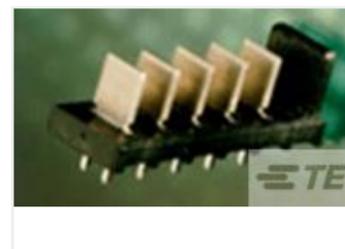
TE Part #154807-E
SMCB 50 F AB VV 7-13 CL * H007 137
E002



TE Part #2007263-1
SFP+ 1x2 Cage Assembly



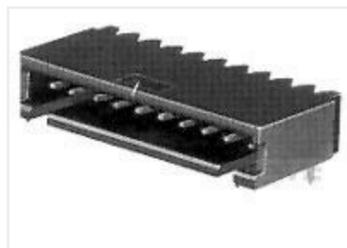
TE Part #5646442-1
2MM HM,ASY,T-D,REC,TWIST TULIP



TE Part #5787446-1
HDR ASY,VERT,NO KEY,RET TAIL



TE Part #2227023-1
CAGE ASSY PRESS FIT, SFP



TE Part #6-103361-4
16 MODII HDR SRRA SHRD LF



TE Part #354310-E
DRCBTB 1,27 50 M BTB26 24,2 137 *
094 TR



TE Part #1241050-4
2x4P MOD II BREAK AWAY HDR,SMD,
BLISTER



Documents

Product Drawings

[2MM HM,ASY,T-F,REC,TT/PRE-SHLD](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_5646492-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5646492-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5646492-1_B.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English