



Z-PACK | Z-PACK 2mm HM

TE Internal #: 1-352272-1

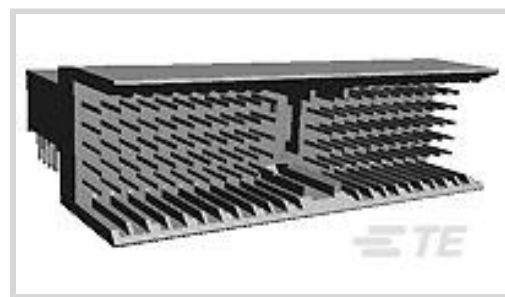
TE Internal Description: Z-PACK/B RAMH.125P

Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm

[View on TE.com >](#)

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

Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm



PCB Connector Assembly Type: **PCB Mount Header**

Data Rate: **≤1 Gb/s**

Number of Columns: **19**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm \(20\)](#)

Features

Product Type Features

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

Configuration Features

Number of Columns	19
Number of Rows	5
Backplane Architecture	Mezzanine
Number of Positions	125
PCB Mount Orientation	Right Angle

Signal Characteristics

Crosstalk Version	Reduced
Data Rate	≤1 Gb/s

Body Features

Primary Product Color	Gray
-----------------------	------

Contact Features

Contact Mating Area Length	5.2 mm
Feedthrough Post Length	3.8 mm
CompactPCI Designation	None
Contact Type	Pin
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
---	--------------------------

Mechanical Attachment

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 $^{\circ}\text{C}$ [-67 – 257 $^{\circ}\text{F}$]
-----------------------------	--

Operation/Application

Shielded	Yes
Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	11
Packaging Method	Box

Other

--	--



Backplane Connector Comment	These free board male connectors should not be mated with free board female connectors for card extender applications. When this is required, use the card extender, free board male connectors
-----------------------------	---

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Compliant
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) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not applicable for solder process capability

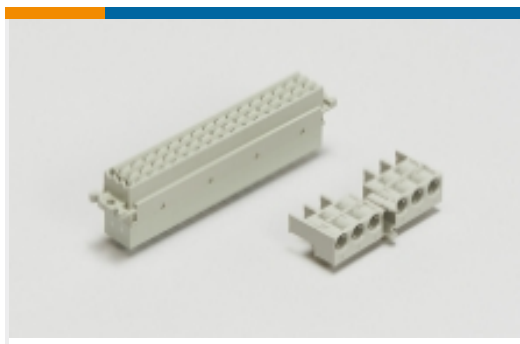
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

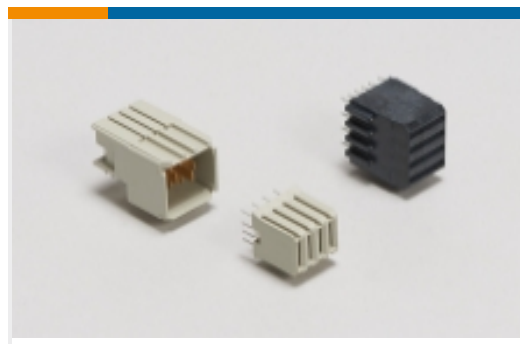
Compatible Parts



Also in the Series | **Z-PACK 2mm HM**



Backplane Connector Housings(4)



Backplane Power Connectors(6)



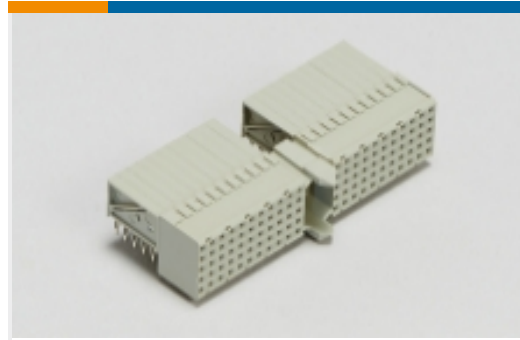
Board-to-Board Connector Contacts(2)



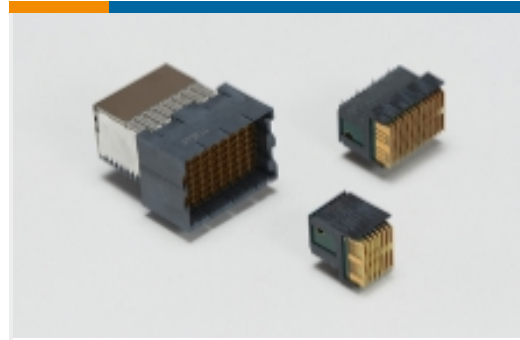
Connector Caps & Covers(62)



Connector Hardware(97)



Hard Metric Backplane Connectors (268)



High Speed Backplane Connectors(1)



Insertion & Extraction Tools(2)



Rectangular Power Connectors(87)

Customers Also Bought



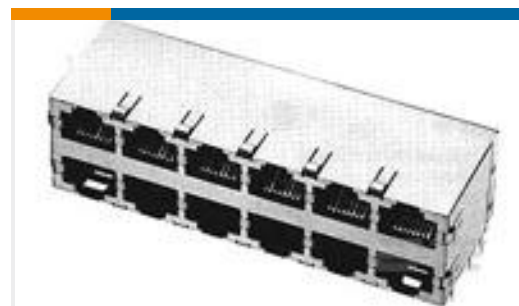
TE Part #84534-6
1.25MM FFC POST PLATED V 6P



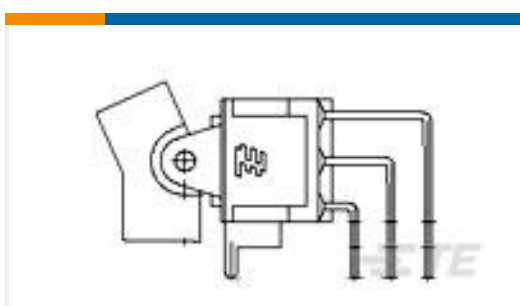
TE Part #3-1393789-9
V23079A2011B301



TE Part #6-147723-9
20 MODIV VRT SR SFMNT 30AU



TE Part #6368296-1
ASSY,SHLD,2X8,STK MJ,WAVE PNL



TE Part #7-1571986-2
A101J1AV2Q004AM marking O -



TE Part #4-1879269-9
RP 2A 32R4 0.1% 15PPM CUT LENGTH

Documents



Product Drawings

Z-PACK/B RAMH.125P

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_1-352272-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_1-352272-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-352272-1_A.3d_stp.zip](#)

English

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

Product Specifications

Product Specification

English