

1-5106014-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

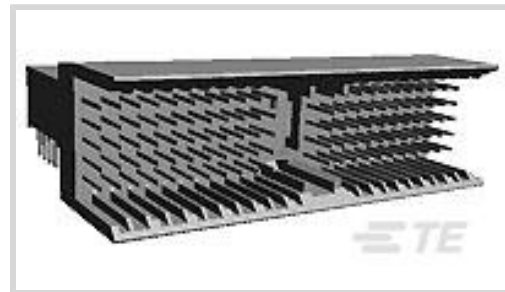
TE Internal #: 1-5106014-1

Z-PACK 2mm HM, Hard Metric Backplane Connectors, PCB Mount Header, ≤ 1 Gb/s, 25 Column, 5 Row, Mezzanine, Board-to-Board, 125 Position

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[Connectors](#) > [PCB Connectors](#) > [Backplane Connectors](#) > [Hard Metric Connectors](#)



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

Data Rate: ≤ 1 Gb/s

Number of Columns: **25**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

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	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

Contact Features

Contact Mating Area Length	5.2 mm
Feedthrough Post Length	3.8 mm
Contact Type	Pin



Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
Contact Mating Area Plating Material	Performance Based
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
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Housing Material	Polyester - GF
Centerline (Pitch)	2 mm[.078 in]
Housing Color	Gray

Dimensions

Backplane Module Length	50 mm
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Usage Conditions

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

Shielded	No
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
AdvancedTCA Specified Product	No

Packaging Features

Packaging Quantity	11
Packaging Method	Tube

Other

Comment	Connector has hinge latch for cable connector., These free board male connectors should not be mated with free board female connectors for card extender
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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	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: JUN 2020 (209) Candidate List Declared Against: JUN 2018 (191) 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

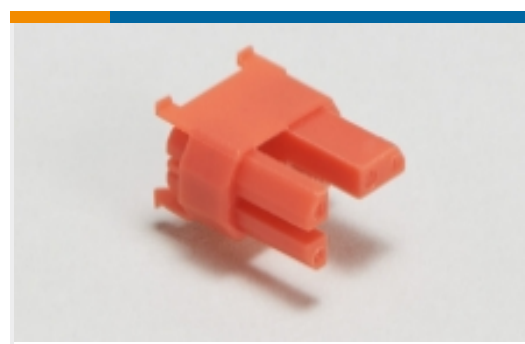
Product Compliance Disclaimer

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 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.

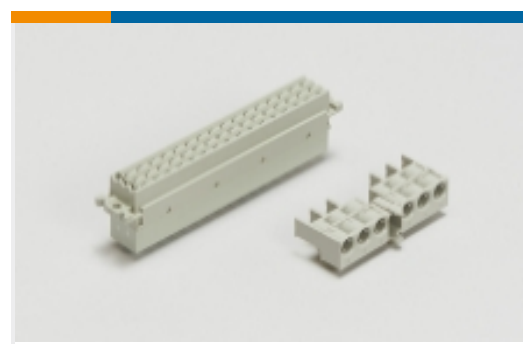
Compatible Parts



Also in the Series | Z-PACK 2mm HM



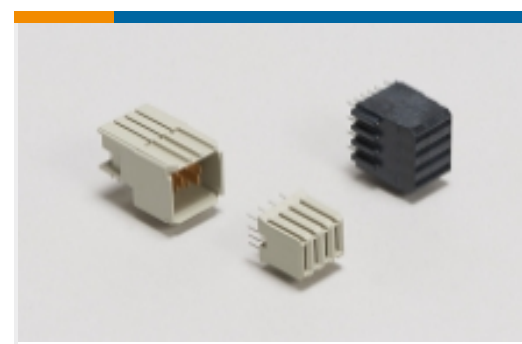
Backplane Coding Keys(60)



Backplane Connector Housings(2)



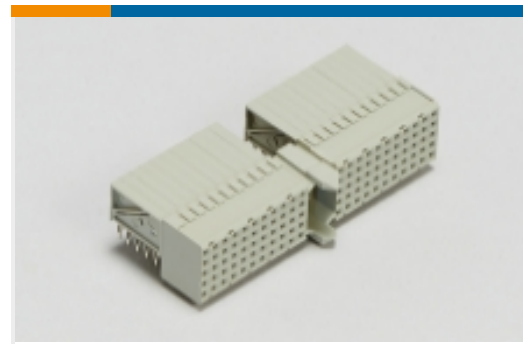
Backplane Guide Hardware(37)



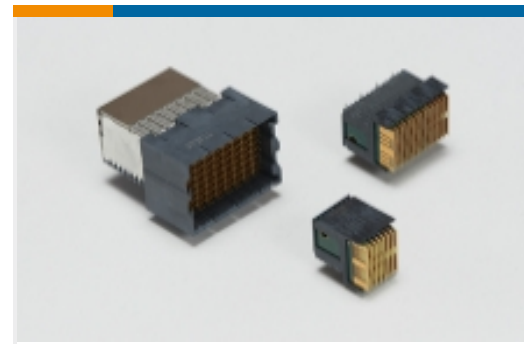
Backplane Power Connectors(7)



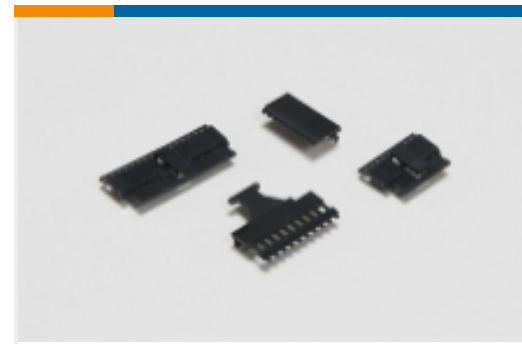
Board-to-Board Connector Contacts(5)



Hard Metric Backplane Connectors (259)



High Speed Backplane Connectors(15)



PCB Connector Covers(4)



PCB Connector Shrouds(42)



PCB Ferrules & Shields(19)

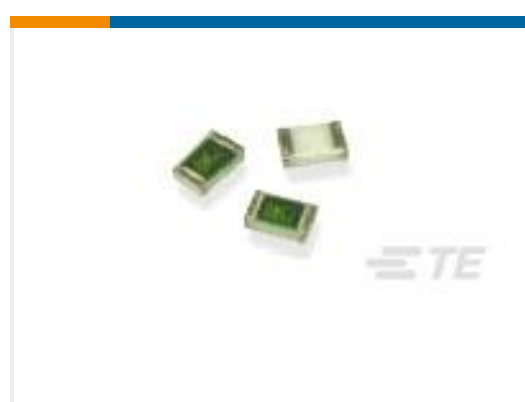


PCB Latches, Locks & Retainers(1)

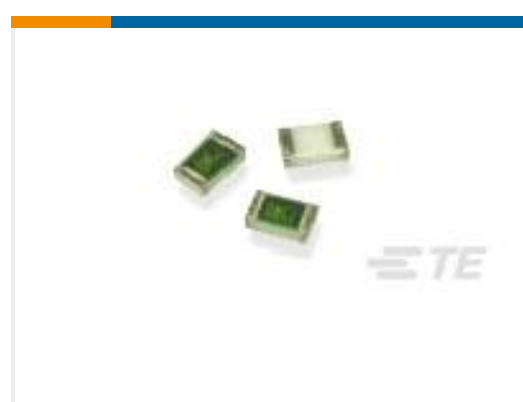


Rectangular Power Connectors(87)

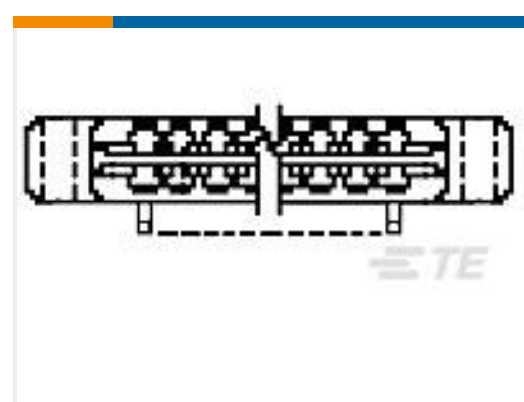
Customers Also Bought



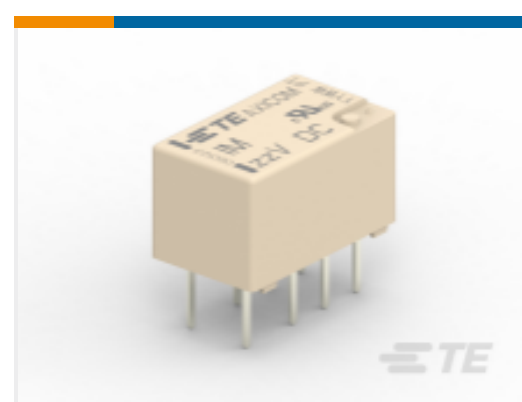
TE Model / Part #5-1879137-4
RN 0603 499R 0.1% 10PPM 5K RL



TE Model / Part #5-1879138-5
RN 0603 5K9 0.1% 10PPM 5K RL



TE Model / Part #583545-1
CONN AMP LEAF 156 C/L 15 POS



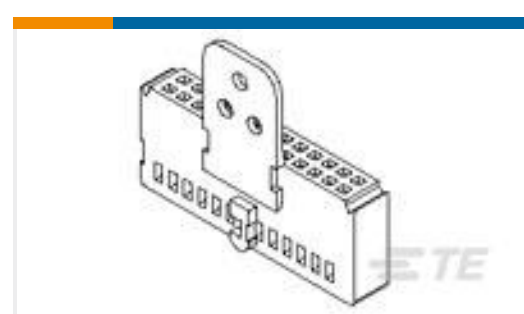
TE Model / Part #2-1462038-5
IMN (IM-N)NARROW(2 FORM C, 2CO CONTACTS)



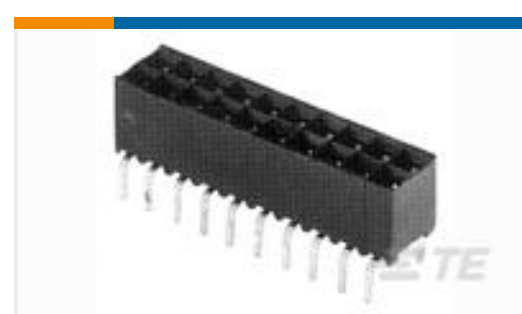
TE Model / Part #829394-4
2X4P MOD II UNSHRD HDR, ST, 0.8 AU



TE Model / Part #1-100400-6
MICRO-MATCH FSID NP



TE Model / Part #216038-4
MOD-4 HSG+PULL TAB



TE Model / Part #829264-6
2X 6P HV100 REC CON.B/TE, 6.2,NO KINK



Documents

Product Drawings

Z-PACK/B RAMH.125P

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-5106014-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5106014-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5106014-1_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English