

1-106015-1 × OBSOLETE



Z-PACK | Z-PACK 2mm HM

TE Internal #: 1-106015-1

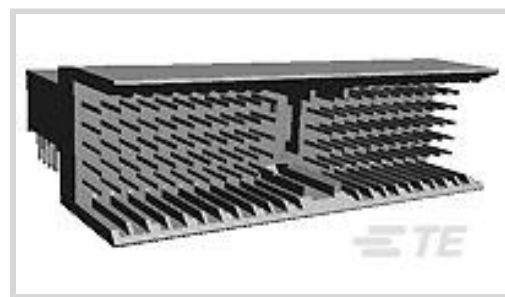
TE Internal Description: Z-PACK/A M-HDR.110P

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

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[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: **25**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm \(21\)](#)

## 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	110
PCB Mount Orientation	Right Angle

### Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

### Body Features

Primary Product Color	Gray
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### Contact Features

Contact Mating Area Length	5.2 mm
Feedthrough Post Length	3.7 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	Gold
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Contact Current Rating (Max)	.7 A

### Mechanical Attachment

Mating Alignment Type	Guide Lugs, 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
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### Usage Conditions

Operating Temperature Range	-65 – 105 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$ ]
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### Operation/Application

Shielded	No
Circuit Application	Power & Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### 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
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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](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Not Compliant
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: JAN 2023 (233) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Pb (13% in Component Part) <b>Article Safe Usage Statements:</b> 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

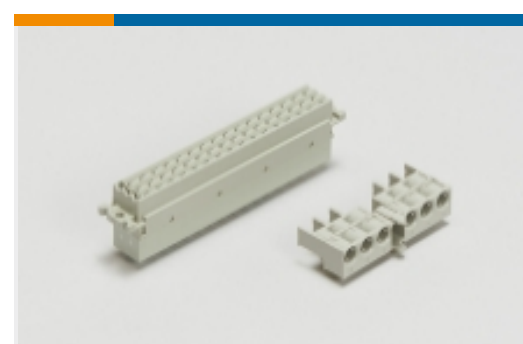
### Product Compliance Disclaimer

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>

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



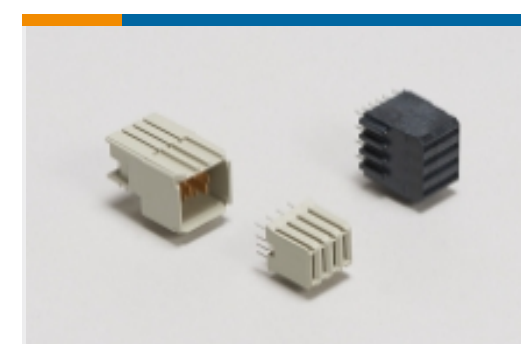
Backplane Coding Keys(60)



Backplane Connector Housings(4)



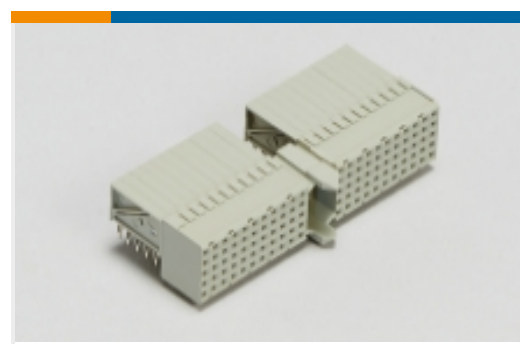
Backplane Guide Hardware(37)



Backplane Power Connectors(6)



Board-to-Board Connector Contacts(2)



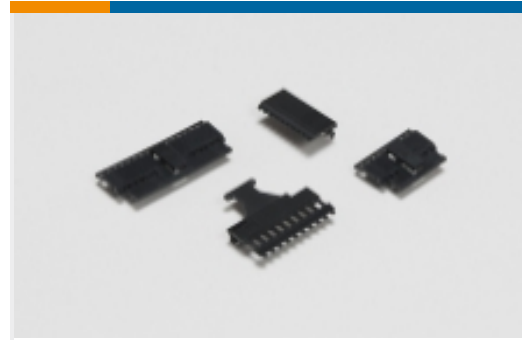
Hard Metric Backplane Connectors (268)



High Speed Backplane Connectors(1)



Insertion &amp; Extraction Tools(2)



PCB Connector Covers(4)



PCB Connector Shrouds(39)

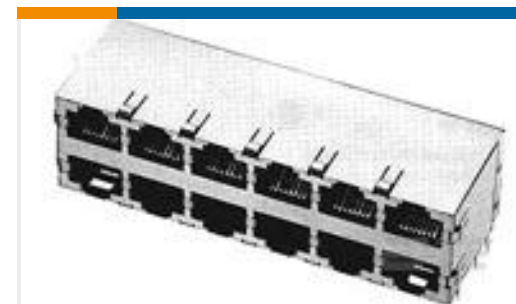
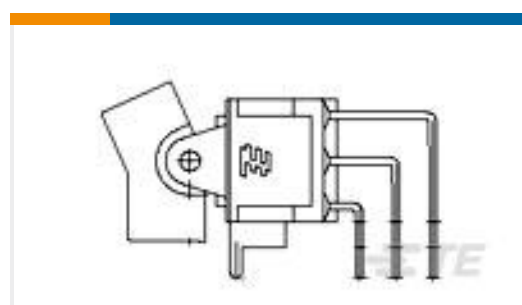


PCB Ferrules &amp; Shields(19)



Rectangular Power Connectors(87)

## Customers Also Bought

TE Part #84534-6  
1.25MM FFC POST PLATED V 6PTE Part #3-1393789-9  
V23079A2011B301TE Part #6-147723-9  
20 MODIV VRT SR SFMNT 30AUTE Part #6368296-1  
ASSY,SHLD,2X8,STK MJ,WAVE PNLTE 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/A M-HDR.110P

English

### CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-106015-1\_F.2d\_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-106015-1\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-106015-1\\_F.3d\\_stp.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English