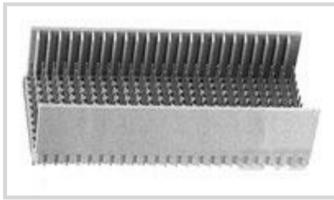**Z-PACK | Z-PACK 2mm HM**

TE Internal #: 5646373-1

Hard Metric Backplane PCB Mount Header, ≤1 Gb/s, 25 Column, 8 Row, Mezzanine, 200 Position, 2 mm [.078 in] Centerline, Vertical, Gray, Z-PACK 2mm HM

View on TE.com >

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

Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm

PCB Connector Type: **PCB Mount Header**

Data Rate: **≤1 Gb/s**

Number of Columns: **25**

Number of Rows: **8**

Backplane Architecture: **Mezzanine**

All Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm (123)

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 Header
Sealable	No

Configuration Features

Rows Loaded	A, B, C, D, E, F, H
Number of Signal Positions	200
Number of Columns	25
Number of Rows	8
Backplane Architecture	Mezzanine
Number of Positions	200
PCB Mount Orientation	Vertical

Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

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Body Features

Primary Product Color	Gray

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Length	5.25 mm
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Feedthrough Post Length	13 mm
Contact Type	Pin
Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit

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	50 mm

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Hard Metric Backplane PCB Mount Header, ≤1 Gb/s, 25 Column, 8 Row, Mezzanine,
200 Position, 2 mm [.078 in] Centerline, Vertical, Gray, Z-PACK 2mm HM

Packaging Features

Packaging Quantity	10
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: JUNE 2024 (241) 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
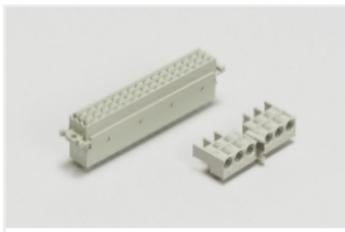
Compatible Parts

TE Part # 5646539-1
2MM H.M. 8 ROW E VERT. RECEPT.
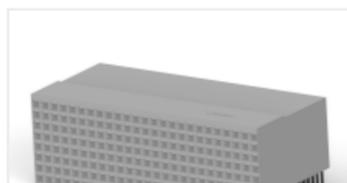
TE Part # 5646445-1
2MM HM,ASY,T-E,REC,TWIST TULIP

Also in the Series | Z-PACK 2mm HM

Hard Metric Backplane PCB Mount Header, ≤1 Gb/s, 25 Column, 8 Row, Mezzanine, 200 Position, 2 mm [.078 in] Centerline, Vertical, Gray, Z-PACK 2mm HM
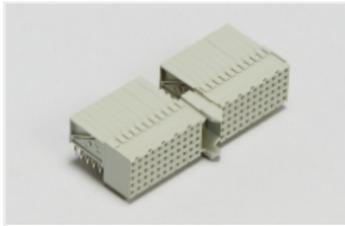
Backplane Connector Housings(4)
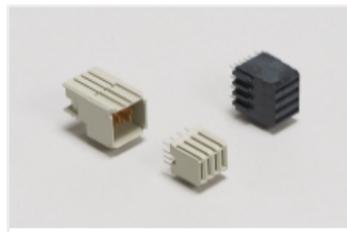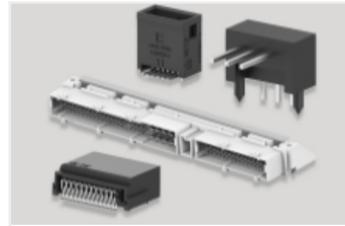
Backplane Power Connectors(1)

Connector Caps & Covers(62)

Connector Hardware(91)

Hard Metric Backplane Connectors (264)
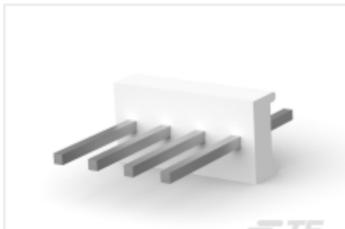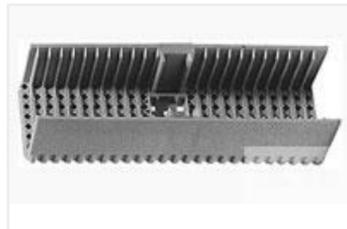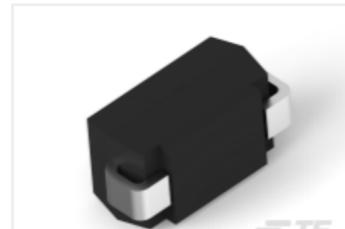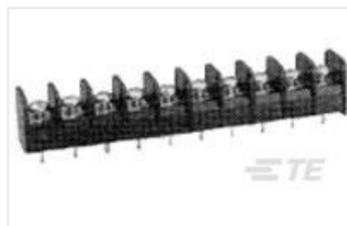
Insertion & Extraction Tools(2)

PCB Headers & Receptacles(46)

Rectangular Power Connectors(46)

Customers Also Bought

TE Part #CAT-104MTA-PVUNH

PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment

TE Part #646476-2

2MM H.M.,8 ROW D SHROUD 3.9MM

TE Part #1-829394-0

2X10P MOD II UNSHRD HDR, ST, 0.8 AU

TE Part #1-2176322-6

SMV 1W 1M8 5%

TE Part #748826-2

25 APIII PLUG 590

TE Part #2-1437416-3

SSB7FP060203="STRIP,SSB 7/16 A
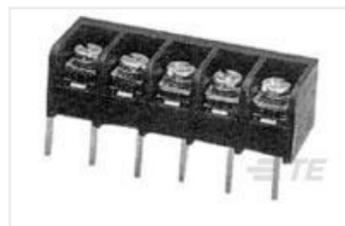
TE Part #1-1437648-8

4PCR-02-006=4PCR ASSEMBLY

Documents

Product Drawings
2MM HM,ASY,T-E,HDR,08R,200,AP

English

CAD Files
3D PDF

3D

Customer View Model

ENG_CVM_CVM_5646373-1_A.2d_dxf.zip

5646373-1

Hard Metric Backplane PCB Mount Header, ≤1 Gb/s, 25 Column, 8 Row, Mezzanine, 200 Position, 2 mm [.078 in] Centerline, Vertical, Gray, Z-PACK 2mm HM

English

Customer View Model

ENG_CVM_CVM_5646373-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5646373-1_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