

319919-3 x OBSOLETE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 319919-3

TE Internal Description: 2MM 42 POS, HEADER

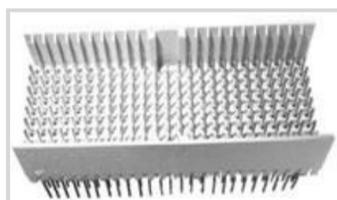
Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm

[View on TE.com >](#)



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

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



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

Data Rate: ≤ 1 Gb/s

Number of Columns: **5**

Number of Rows: **6**

Backplane Architecture: **Mezzanine**

[All Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm \(124\)](#)

Features

Product Type Features

Backplane Interface Type	2mm HM
Ground Component Type	Grounding Contact
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	5
Number of Rows	6
Backplane Architecture	Mezzanine
Number of Positions	42
PCB Mount Orientation	Vertical

Signal Characteristics

Data Rate	≤ 1 Gb/s
-----------	---------------

Contact Features

Contact Mating Area Length	13.45 mm
----------------------------	----------

Feedthrough Post Length	3.7 mm
Contact Type	Pin
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Contact Current Rating (Max)	.7 A

Mechanical Attachment

Mating Alignment Type	Polarizing Peg
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Backplane Module Length	11.88 mm
-------------------------	----------

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

AdvancedTCA Specified Product	No
-------------------------------	----

Packaging Features

Packaging Quantity	43
Packaging Method	Tube

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

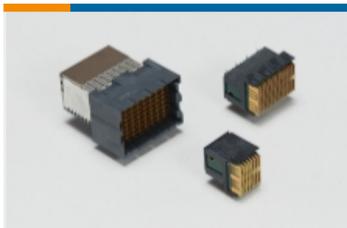
EU RoHS Directive 2011/65/EU	Not Yet Reviewed
------------------------------	------------------

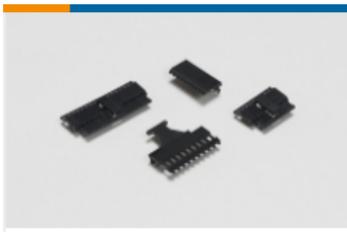
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUN 2016 (169) SVHC > Threshold: Not Yet Reviewed
Halogen Content	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.

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 (269)	High Speed Backplane Connectors(1)	Insertion & Extraction Tools(2)



PCB Connector Covers(4)



PCB Connector Shrouds(39)



PCB Ferrules & Shields(19)



Rectangular Power Connectors(87)

Documents

CAD Files

Customer View Model

[ENG_CVM_319919-3_C1.3d_igs.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_319919-3_C1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_319919-3_C1.2d_dxf.zip](#)

English

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

Product Specifications

[Application Specification](#)

English