

5106509-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 5106509-1

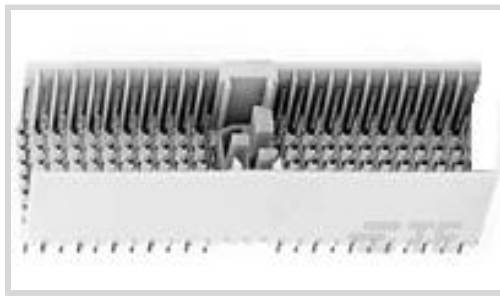
Hard Metric Backplane PCB Mount Header, ≤ 1 Gb/s, 25 Column, 7 Row, Mezzanine, 154 Position, 2 mm [.078 in] Centerline, Vertical, Gray, Z-PACK 2mm HM

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

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



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

Data Rate: ≤ 1 Gb/s

Number of Columns: **25**

Number of Rows: **7**

Backplane Architecture: **Mezzanine**

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

Features

Industry Standards

UL Flammability Rating	UL 94V-0
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Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment Type	Multi-Purpose Center
Front Mating Level	Level 1

Dimensions

Backplane Module Length	50 mm
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Operation/Application

Shielded	Yes
Circuit Application	Signal

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Length	10 mm



Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Mating Area Plating Material	Nickel
Contact Mating Area Plating Material Thickness	1.27 μm[50 μin]
Contact Current Rating (Max)	1.5 A

Packaging Features

Packaging Quantity	10
Packaging Method	Tube

Housing Features

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

Configuration Features

Rows Loaded	Z, B, C, D, E, A, F
Number of Signal Positions	154
Number of Columns	25
Number of Rows	7
Backplane Architecture	Mezzanine
Number of Positions	154
PCB Mount Orientation	Vertical

Signal Characteristics

Crosstalk Version	Reduced
Data Rate	≤1 Gb/s

Product Type Features

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

Body Features



Primary Product Color	Gray
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Usage Conditions

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

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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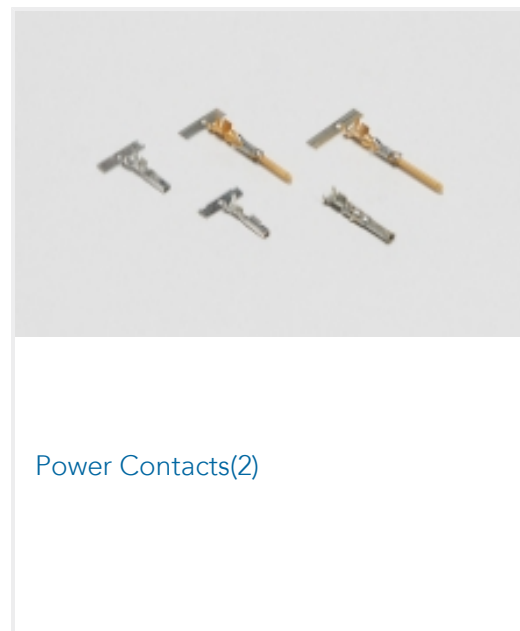
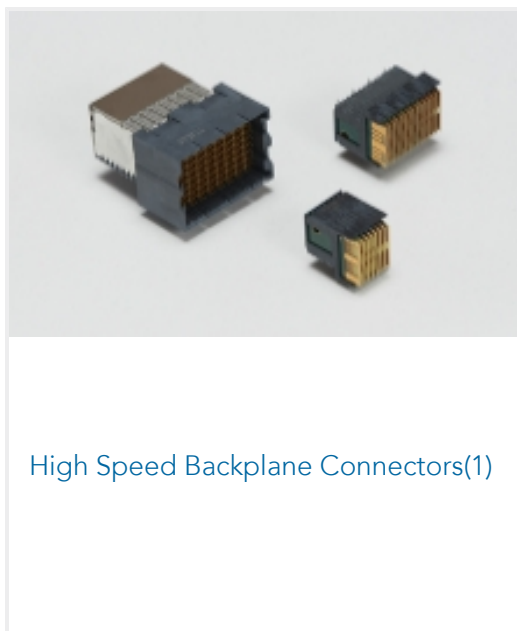
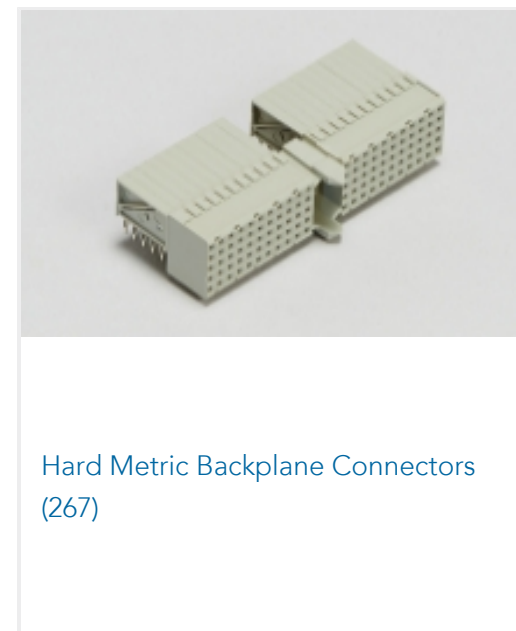
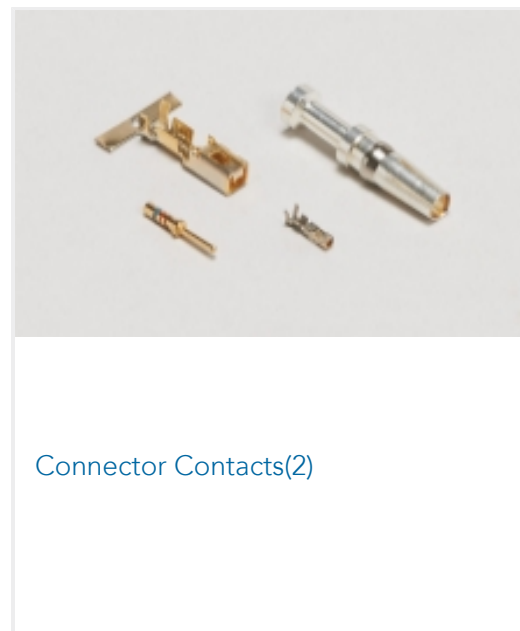
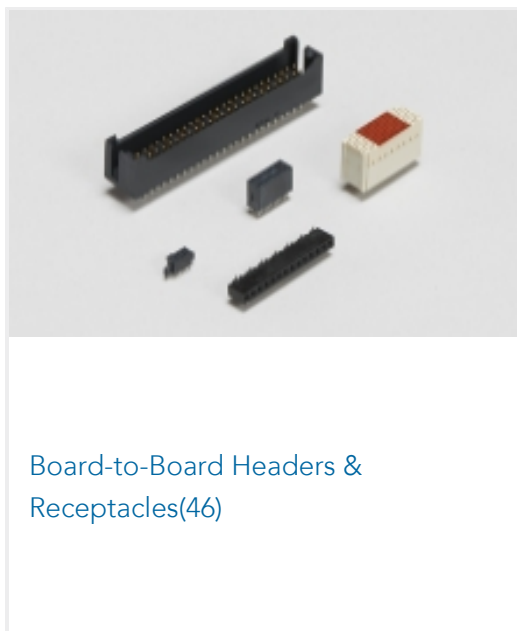
Product Compliance Disclaimer

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>

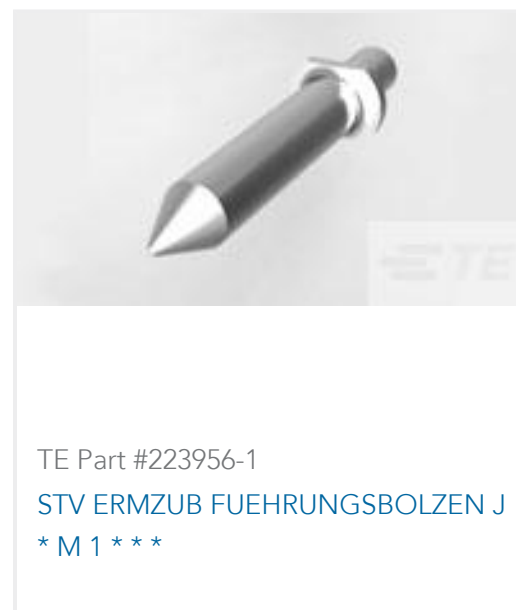
Compatible Parts



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



Customers Also Bought



Documents

Product Drawings

[2MMHM PIN HDR,TYPE A 154POS 7R](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_5106509-1_B.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_5106509-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5106509-1_B.3d_stp.zip](#)

English

3D PDF

English

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

Product Specifications

[Application Specification](#)

English