

5646347-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 5646347-1

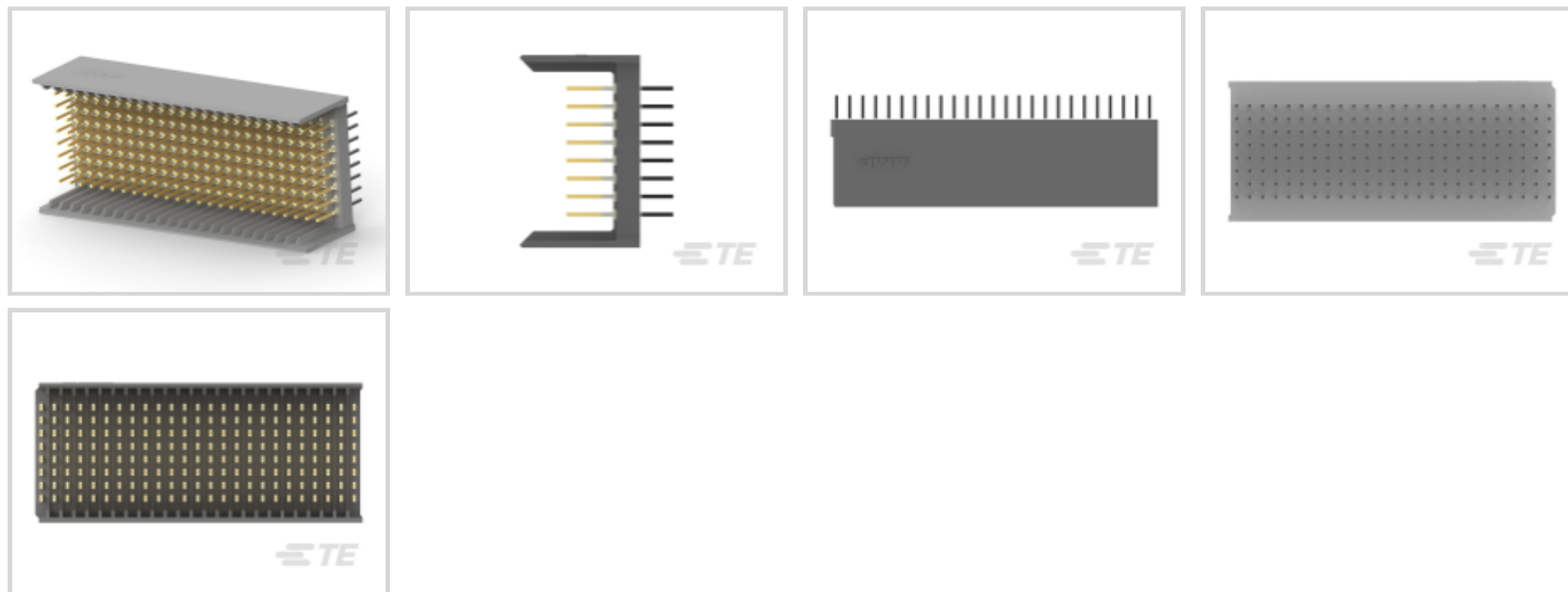
Hard Metric Backplane PCB Mount Header,  $\leq 1$  Gb/s, 25 Column, 8 Row, Mezzanine, 200 Position, 2 mm [.078 in] Centerline, Vertical, Gray, Z-PACK 2mm HM

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

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



PCB Connector Type: **PCB Mount Header**

Data Rate:  $\leq 1$  Gb/s

Number of Columns: **25**

Number of Rows: **8**

Backplane Architecture: **Mezzanine**

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

## 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
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### Signal Characteristics

Crosstalk Version	Standard
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Data Rate	≤1 Gb/s
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### Body Features

Primary Product Color	Gray
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### Contact Features

Contact Underplating Material	Nickel
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Contact Mating Area Length	5.25 mm
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Contact Base Material	Phosphor Bronze
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CompactPCI Designation	None
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PCB Contact Termination Area Plating Material	Tin
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Feedthrough Post Length	3.7 mm
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Contact Type	Pin
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Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
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Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
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Contact Current Rating (Max)	1.5 A
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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
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Mating Alignment Type	Multi-Purpose Center
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Front Mating Level	Level 1
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### Housing Features

Housing Material	Polyester - GF
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Centerline (Pitch)	2 mm[.078 in]
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### 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
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Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	10
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Packaging Method	Tube
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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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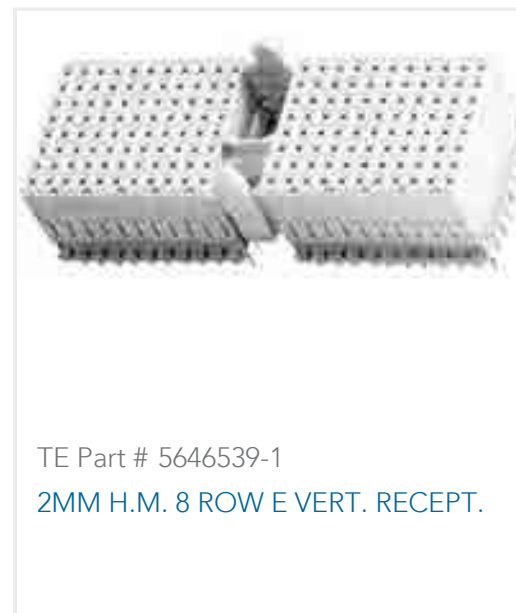
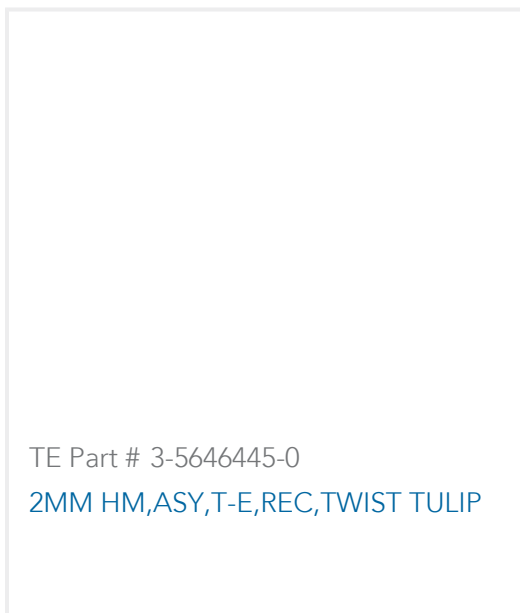
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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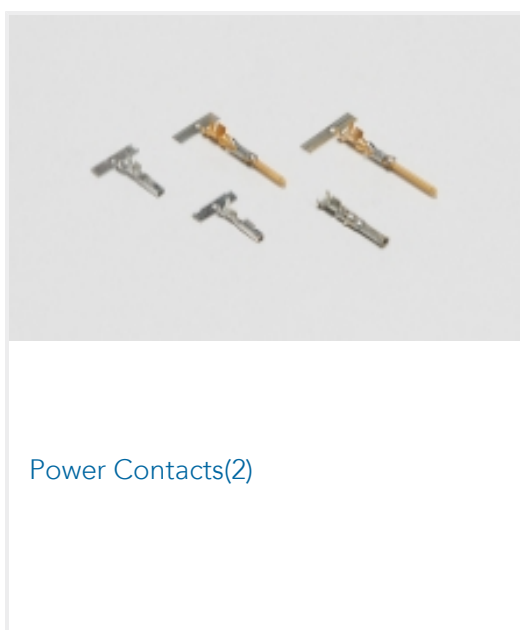
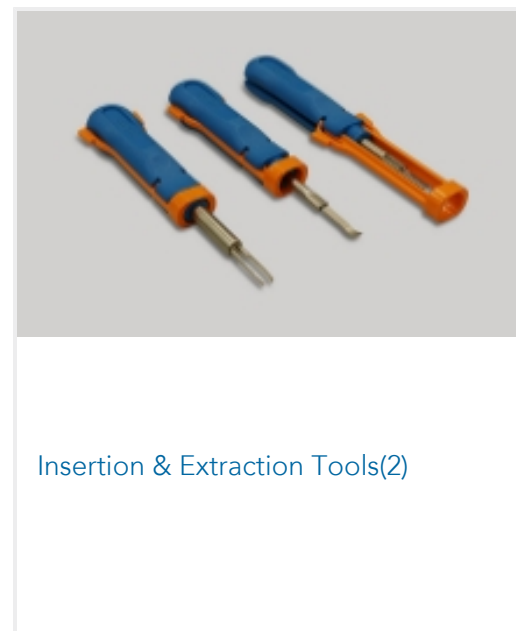
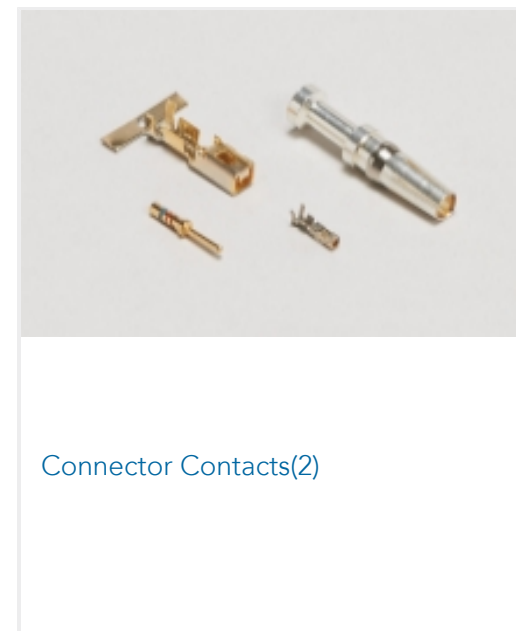
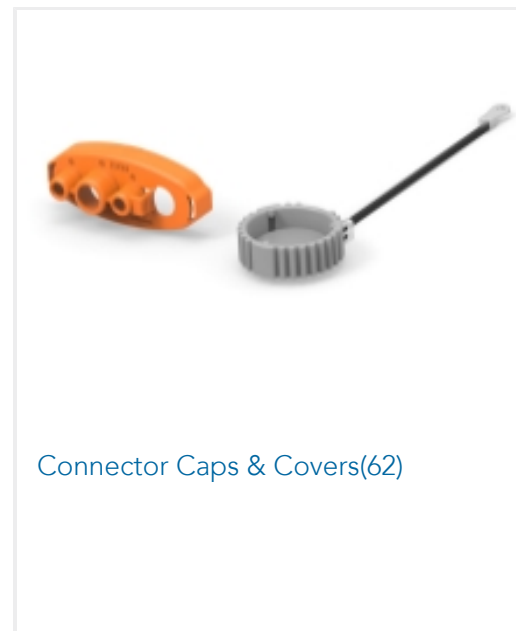
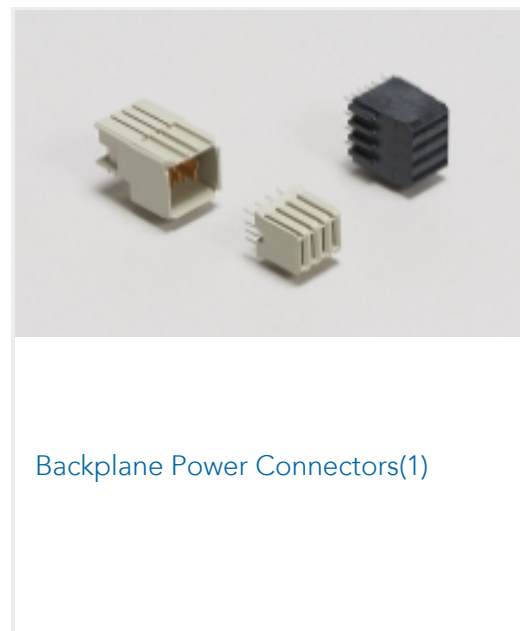
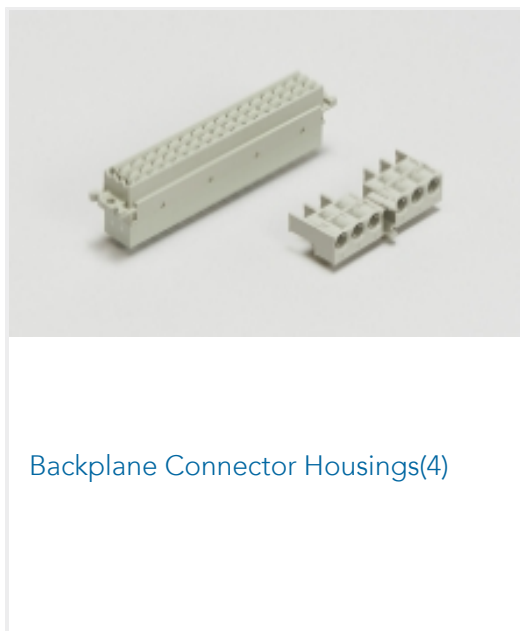
#### Product Compliance Disclaimer

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>

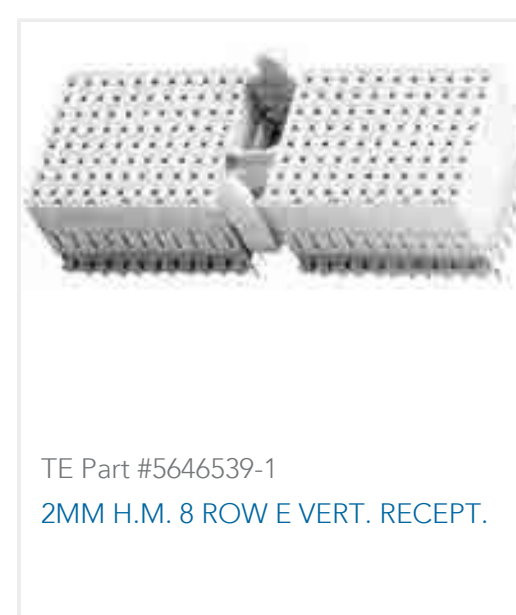
### Compatible Parts



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



Customers Also Bought





TE Part #CONSMB001-1-G  
SMB Jack 50 Ohm PCB Through Hole



TE Part #5100159-1  
2MM HDR, 55 POS EXTN MOD



TE Part #1996706-1  
8 POS VITA 67.2 RF MODULE,  
BACKPLANE, SMPM



TE Part #640452-8  
08P MTA100 HDR ASSY SQ STR



TE Part #8-2176316-5  
MELF SMA-A 47R 1% 50PPM 0207 1W



TE Part #5102160-6  
A/L UNIV HDR 26P RA

## Documents

### Product Drawings

[2MM HM,ASY,T-E,HDR,08R,200,AP](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5646347-1\\_A.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5646347-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5646347-1\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English