

100143-1

✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 100143-1

Hard Metric Backplane Connectors, PCB Mount Header, ≤ 1 Gb/s,

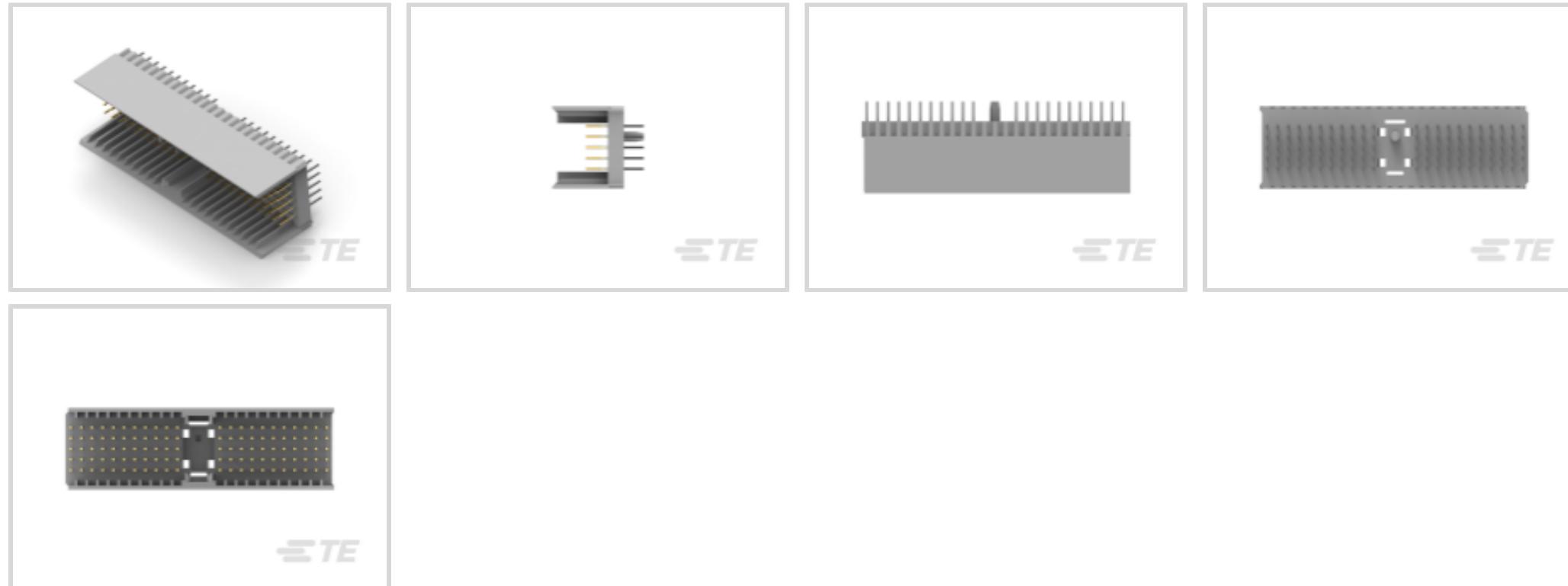
25 Column, 5 Row, Mezzanine, 125 Position, 2 mm [.078 in]

Centerline, 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 Assembly Type: **PCB Mount Header**Data Rate: **≤ 1 Gb/s**Number of Columns: **25**Number of Rows: **5**Backplane Architecture: **Mezzanine**[All Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm \(124\)](#)

Features

Product Type Features

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

Configuration Features

Rows Loaded	A, B, C, D, E
Number of Columns	25
Number of Rows	5
Backplane Architecture	Mezzanine
Number of Positions	125
PCB Mount Orientation	Vertical

Signal Characteristics

Crosstalk Version	Standard
Data Rate	\leq 1 Gb/s

Body Features

Primary Product Color	Gray
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Contact Features

Contact Mating Area Length	13.45 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	.8 μ m[31.5 μ in]
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

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

Housing Features

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

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

Industry Standards

UL Flammability Rating

UL 94V-0

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

Not Compliant

EU ELV Directive 2000/53/EC

Compliant with Exemptions

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 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

SVHC > Threshold:

Pb (13% in Component Part)

Article Safe Usage Statements:

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

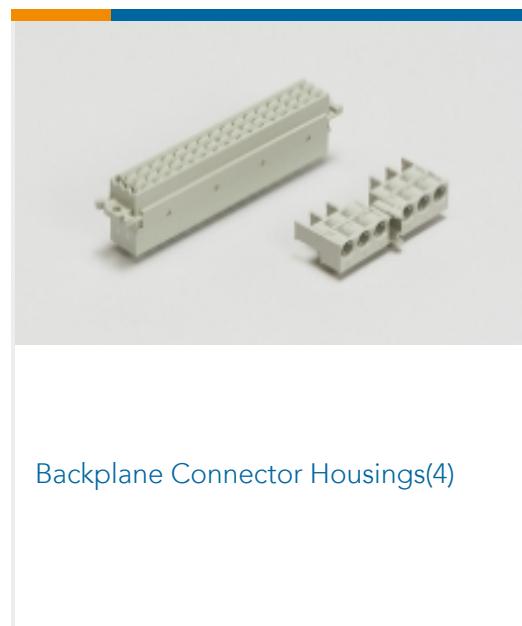
Product Compliance Disclaimer

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>

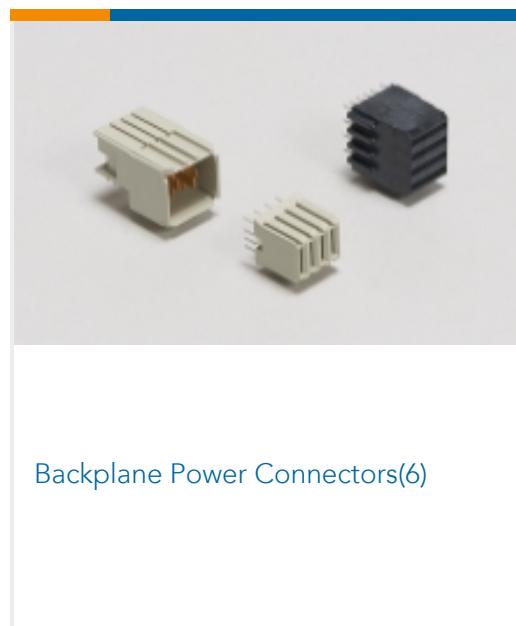
Compatible Parts

TE Part # 100147-1
Z-PACK/A F-HDR.110P

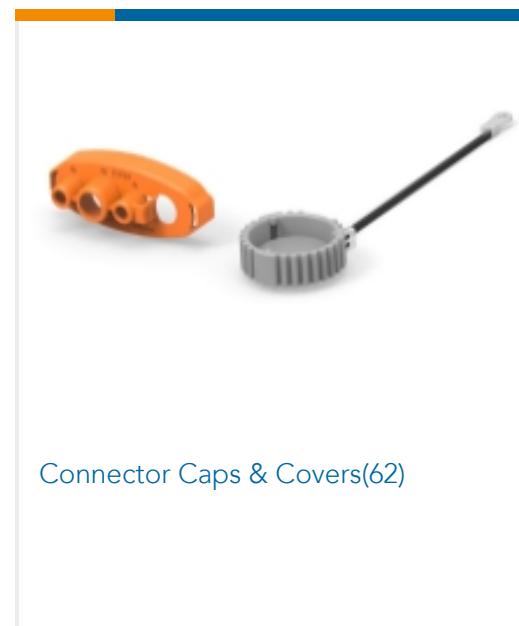
Also in the Series | Z-PACK 2mm HM



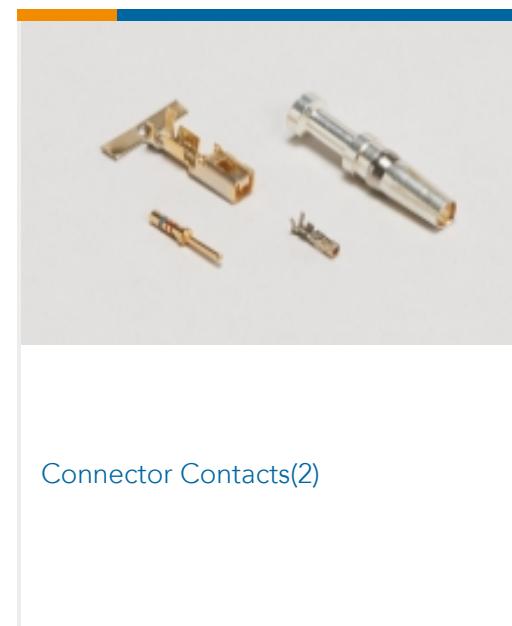
Backplane Connector Housings(4)



Backplane Power Connectors(6)



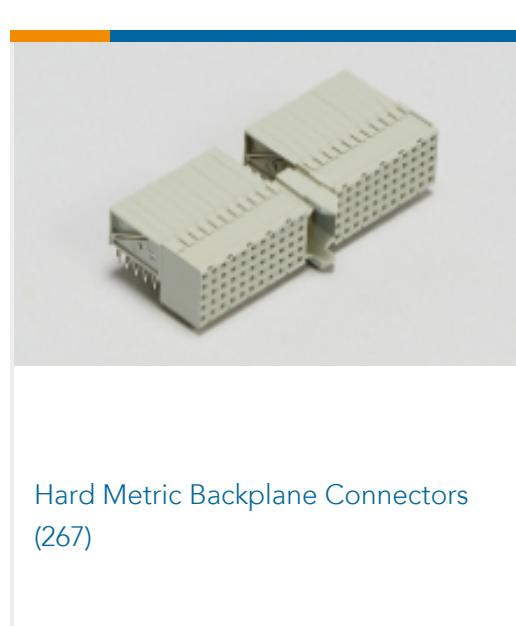
Connector Caps & Covers(62)



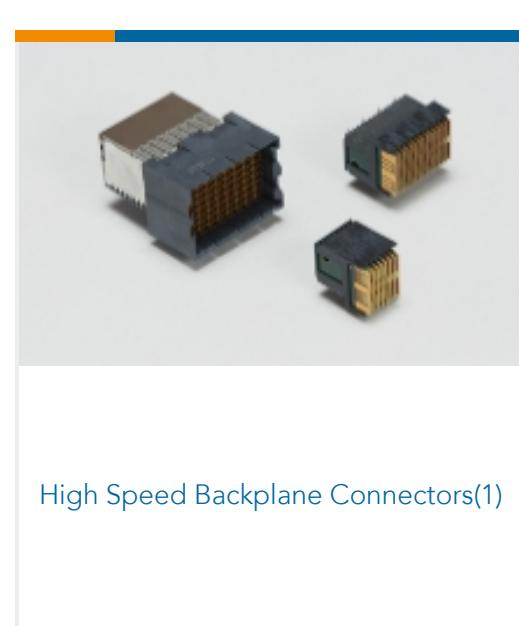
Connector Contacts(2)



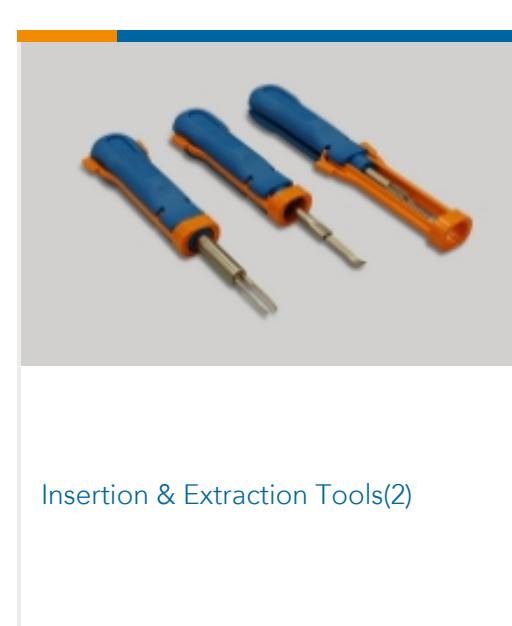
Connector Hardware(97)



Hard Metric Backplane Connectors (267)



High Speed Backplane Connectors(1)



Insertion & Extraction Tools(2)



Rectangular Power Connectors(87)

Customers Also Bought

TE Part # 2-6609115-3
6EGG1-2=F7386DTE Part # 100147-1
HM Receptacle Connector: Traditional Backplane, Coplanar, 2mmTE Part # 745253-6
20 DF SOCKET CONT L.P.TE Part # 3-100159-0
2MM HDR, 55 POS EXTN MOD

TE Part # 5207908-4
STRAIN REL W/SCREW RET KITTE Part # 5745647-1
HD KIT, MALE SCREW RET.TE Part # 3-2176339-8
CRGCQ 0603 12K 1%TE Part # 3-644695-2
02P MTA100 STR HDR RETENTIVETE Part # 2102847-1
DC, 7Row, Center, MULTIGIG RT 2R

Documents

Product Drawings

PACK/A MALE HDR 110P, 2MM HM

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_100143-1_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_100143-1_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_100143-1_K.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

Stacking Connectors Quick Reference Guide (English)

English

Product Specifications

Application Specification

English

Instruction Sheets

INSERTION TOOL FOR Z-PACK 2mm HM CONN.

Japanese

[Instruction Sheet \(non U.S.\)](#)

Japanese