188835-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 188835-1

Z-PACK 2mm HM, Hard Metric Backplane Connectors, PCB Mount Header, ≤1 Gb/s, 22 Column, 7 Row, Mezzanine, Board-to-Board, 154 Position
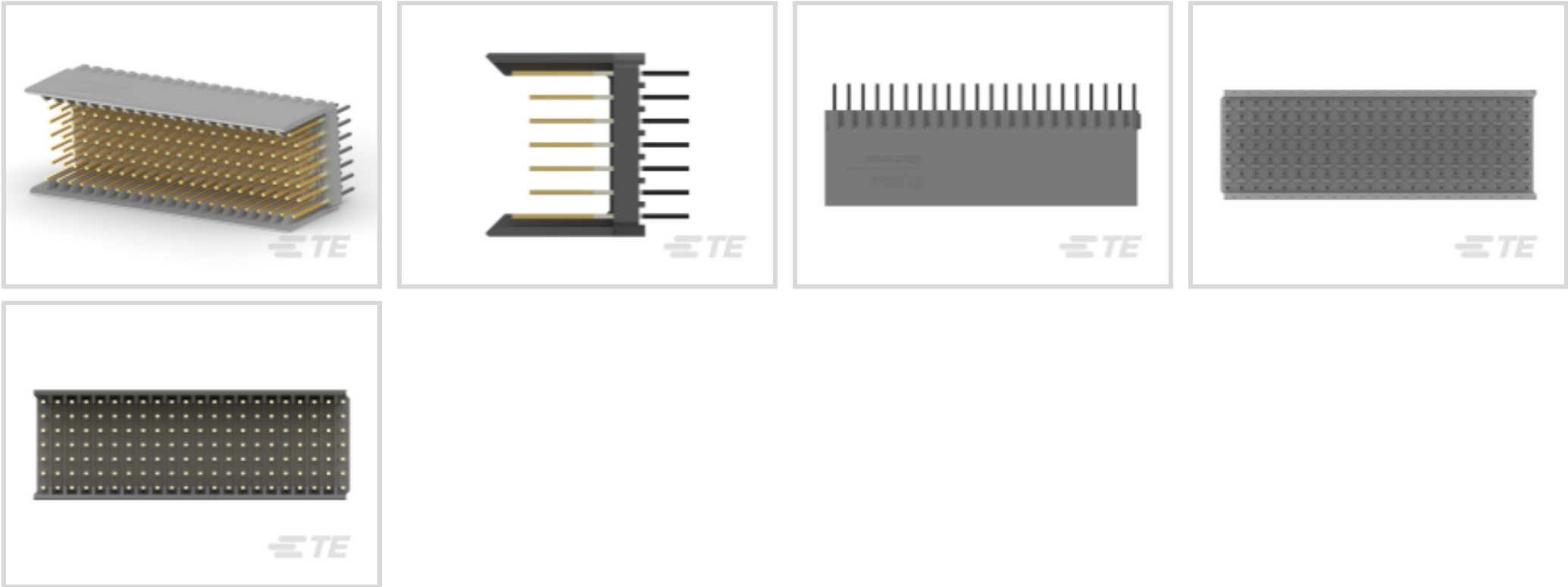
View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > Hard Metric Connectors

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

Data Rate: **≤1 Gb/s**

Number of Columns: **22**

Number of Rows: **7**

Backplane Architecture: **Mezzanine**

Features

Product Type Features

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

Configuration Features

Rows Loaded	A, B, C, D, E, F, Z
Number of Signal Positions	110
Number of Columns	22
Number of Rows	7
Backplane Architecture	Mezzanine
Number of Positions	154
PCB Mount Orientation	Vertical

Signal Characteristics

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Crosstalk Version	Standard
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	P2/P5
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.38 µm[15 µin]
Contact Current Rating (Max)	1.5 A

Mechanical Attachment

Front Mating Level	Level 1
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Backplane Module Length	44 mm

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
AdvancedTCA Specified Product	No

Packaging Features

Packaging Quantity	11

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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	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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) 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
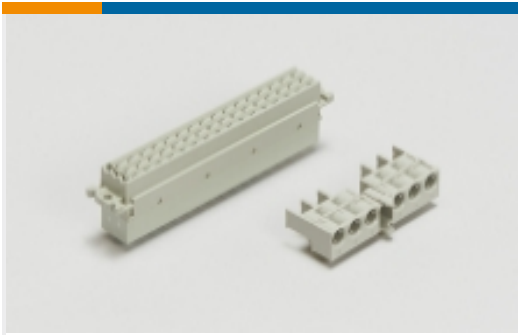
Compatible Parts

TE Model / Part # 352152-1
Z-PACK/B F-HDR 110P

Also in the Series | Z-PACK 2mm HM

188835-1

Z-PACK 2mm HM, Hard Metric Backplane Connectors, PCB Mount Header, ≤1 Gb/s,
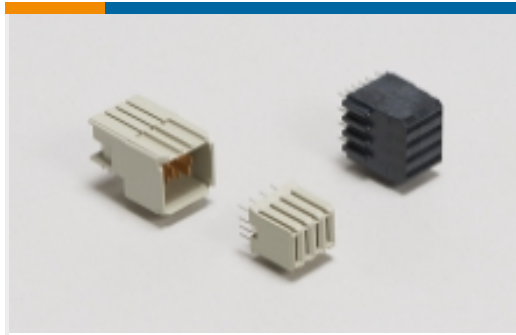22 Column, 7 Row, Mezzanine, Board-to-Board, 154 Position

Backplane Coding Keys(60)

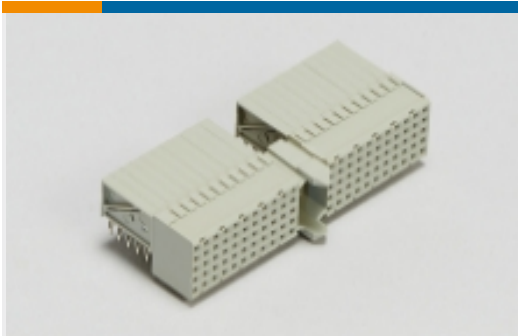Backplane Connector Housings(2)
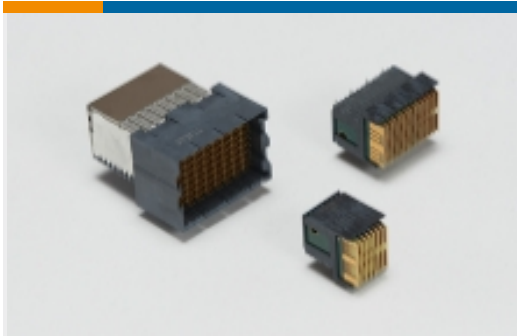
Backplane Guide Hardware(37)
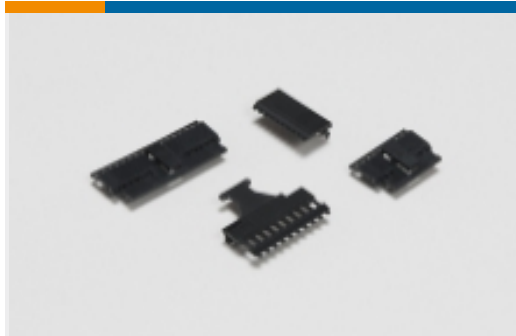
Backplane Power Connectors(7)

Board-to-Board Connector Contacts(5)

Hard Metric Backplane Connectors (255)

High Speed Backplane Connectors(15)

PCB Connector Covers(4)

PCB Connector Shrouds(42)

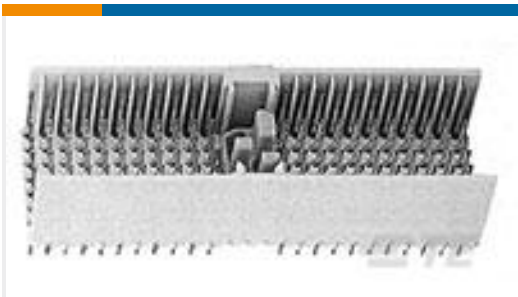PCB Ferrules & Shields(19)

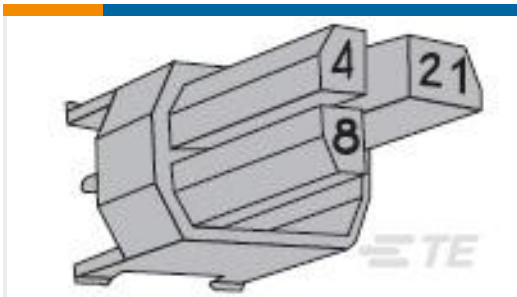PCB Latches, Locks & Retainers(1)

Rectangular Power Connectors(87)

Customers Also Bought

TE Model / Part #352068-1
Z-PACK/A F-HDR 110P

TE Model / Part #188834-1
Z-PACK/A M-HDR 154P.

TE Model / Part #5-100525-6
Z-PACK M.CODING KEY
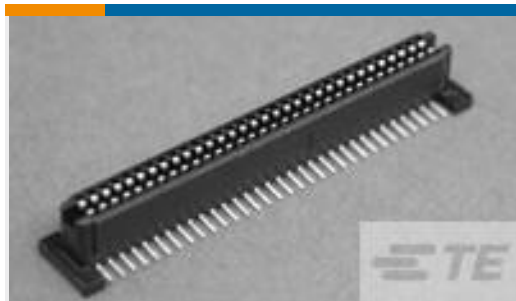
TE Model / Part #352152-1
Z-PACK/B F-HDR 110P

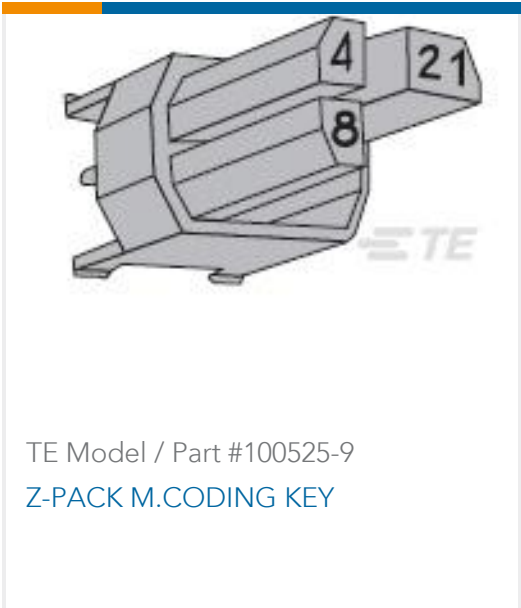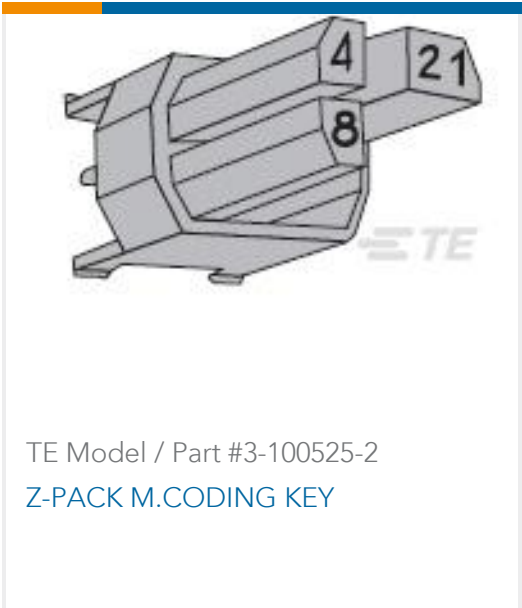TE Model / Part #120527-1
1FHP,64,30A/P,S,N,S10,12,13,15

TE Model / Part #1-6450869-4
V/R 2ACP+1LP+32S+3HDP+1LP+1P

TE Model / Part #1410142-1
MULTIGIG RT T2 .8" BP FULL RGH

TE Model / Part #120521-1
1FHR,64,30A/P,S,N,S08,09,10

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TE Model / Part #3-100525-2
Z-PACK M.CODING KEY

TE Model / Part #100525-9
Z-PACK M.CODING KEY

Documents

Product Drawings

Z-PACK/B M-HDR 154P.

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_188835-1_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_188835-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_188835-1_G.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English