

352171-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 352171-1

Hard Metric Backplane Connectors, PCB Mount Receptacle, ≤ 1 Gb

/s, 19 Column, 5 Row, Mezzanine, 95 Position, 2 mm [.078 in]

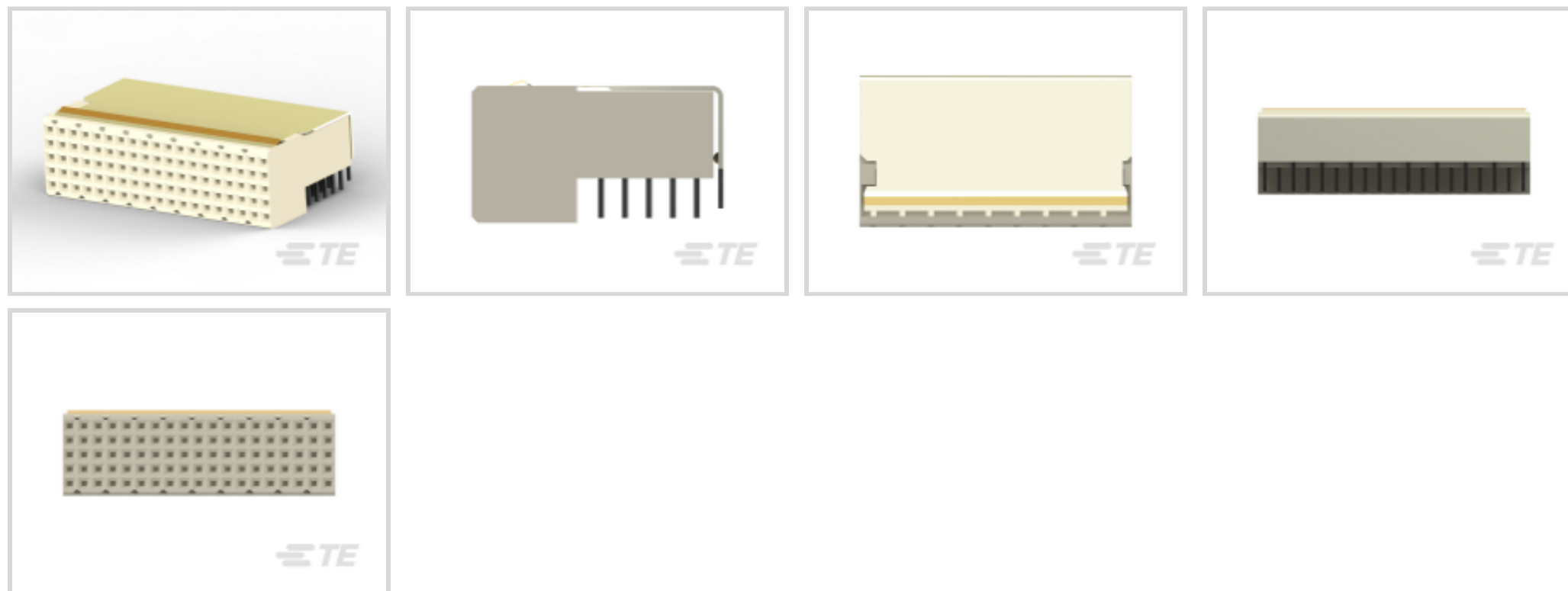
Centerline, Z-PACK 2mm HM

[View on TE.com >](#)



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

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



PCB Connector Assembly Type: **PCB Mount Receptacle**

Data Rate: ≤ 1 Gb/s

Number of Columns: **19**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm \(48\)](#)

Features

Product Type Features

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

Configuration Features

Rows Loaded	A, B, C, D, E
Number of Signal Positions	95
Number of Columns	19
Number of Rows	5
Backplane Architecture	Mezzanine



Number of Positions	95
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PCB Mount Orientation	Right Angle
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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 Mating Area Length	3.3 mm
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Feedthrough Post Length	3.3 mm
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CompactPCI Designation	J3
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Contact Type	Socket
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin-Lead
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material	Gold
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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 Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Connector Mounting Type	Board Mount
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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	38 mm
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Usage Conditions

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

Shielded	Yes
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Circuit Application

Power & Signal

Industry Standards

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

14

Packaging Method

Tube

Other

Backplane Connector Comment

Female connector with pre-installed shield.

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: JUNE 2023 (235)

Candidate List Declared Against: JUNE 2022 (224)

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

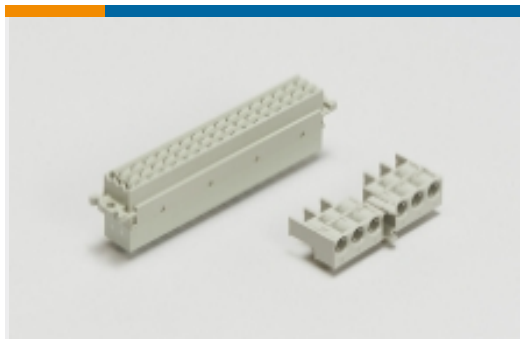
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

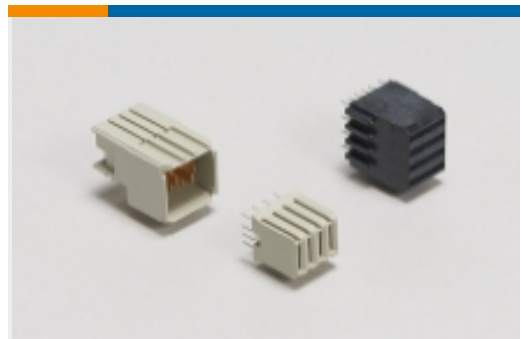


TE Part # 352033-1
Z-PACK 2MM HM ASSY, TYPE-B 133P

Also in the Series | Z-PACK 2mm HM



Backplane Connector Housings(4)



Backplane Power Connectors(6)



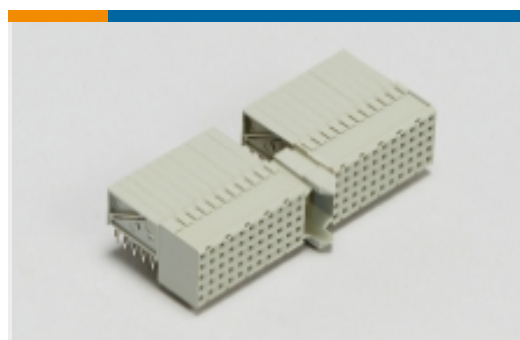
Board-to-Board Connector Contacts(2)



Connector Caps & Covers(62)



Connector Hardware(97)



Hard Metric Backplane Connectors
(268)



High Speed Backplane Connectors(1)

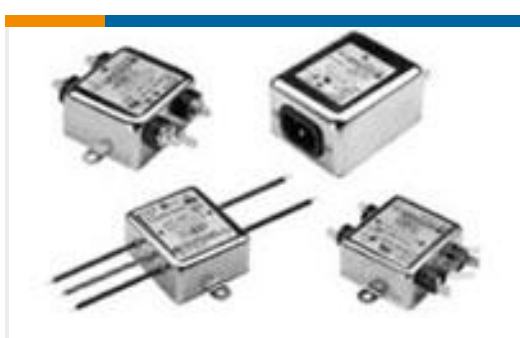


Insertion & Extraction Tools(2)



Rectangular Power Connectors(87)

Customers Also Bought



TE Part #1-6609028-5
10VK7=F7145 S0



TE Part #2102060-1
Mezalok, Pin, 114 p, 50 Au, TL



TE Part #5745394-2
HD-20 RCPT 9P RA 318 THD INS



TE Part #2101510-2
4 Pos RF Module, Backplane, OSMM
PASSIVA



TE Part #1055688-1
2367 5001 54, VERT PLUG



TE Part #1054869-1
2084 0000 02



TE Part #1-2000713-3
RA Keyed Guide Mod, Vita 46,
Machined



TE Part #2828384-1
CONN KIT,VITA66.4-DERIV,PLUG,
DUAL-CAVITY



TE Part #254124-E
STVE 160 F ABCDE VVVV 7-00 EE 4,0
* 247

Documents

Product Drawings

Z-PACK/B F-HDR. 95P

English

CAD Files

Customer View Model

[ENG_CVM_CVM_352171-1_E.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_352171-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_352171-1_E.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

Z-PACK/B F-HDR. 95P

English

Z-PACK/B F-HDR. 95P

English



Instruction Sheets

INSERTION TOOL FOR Z-PACK 2mm HM CONN.

Japanese

Instruction Sheet (non U.S.)

Japanese