

2389274-1 ✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

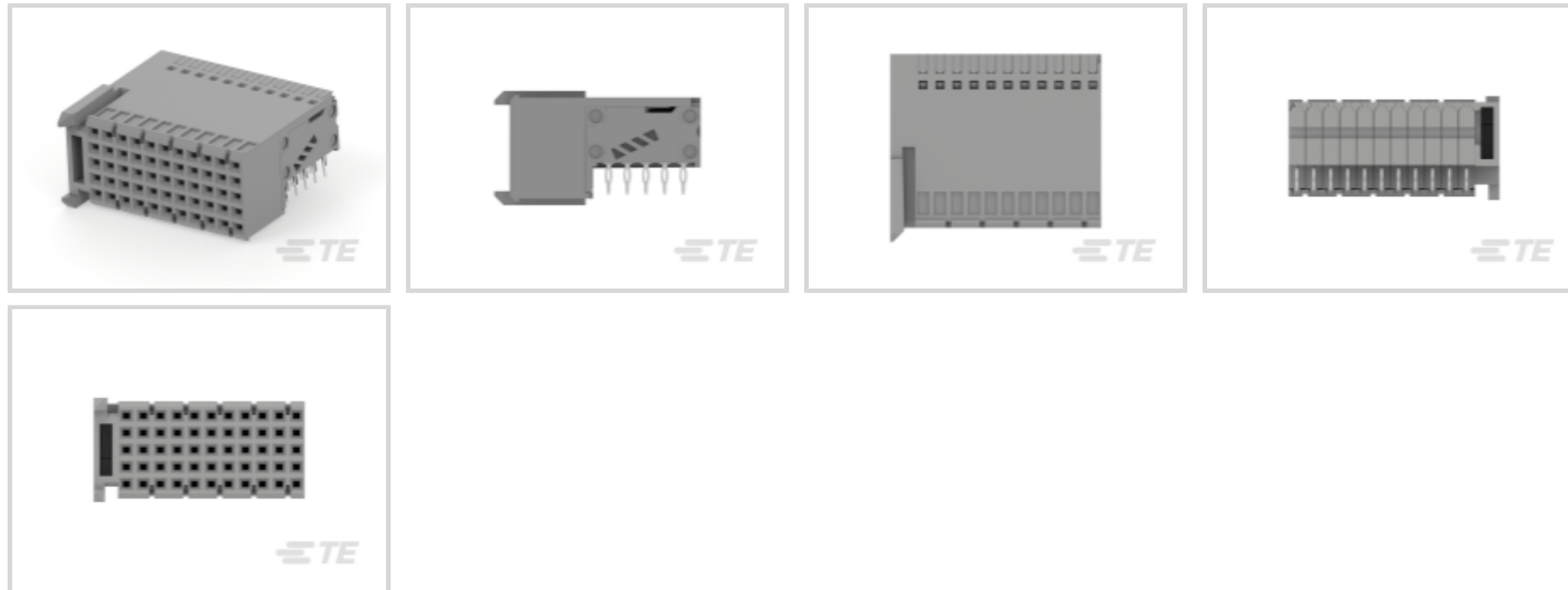
TE Internal #: 2389274-1

Z-PACK 2mm HM, Hard Metric Backplane Connectors, PCB Mount Receptacle,  $\leq 1$  Gb/s, 11 Column, 5 Row, Mezzanine, Board-to-Board, 55 Position

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > Hard Metric Connectors



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

Data Rate:  $\leq 1$  Gb/s

Number of Columns: **11**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

## Features

### Product Type Features

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 Columns	11
Number of Rows	5
Backplane Architecture	Mezzanine
Number of Positions	55
PCB Mount Orientation	Right Angle

### Signal Characteristics

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

Contact Mating Area Length	3.7 mm
Feedthrough Post Length	3.7 mm
Contact Type	Socket
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
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

Mating Alignment Type	Guide Lugs
Connector Mounting Type	Board Mount

#### Housing Features

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

#### Dimensions

Backplane Module Length	25 mm
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#### Usage Conditions

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

Shielded	No
Circuit Application	Power & Signal

#### Industry Standards

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



### Packaging Features

Packaging Quantity	22
Packaging Method	Tray

### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

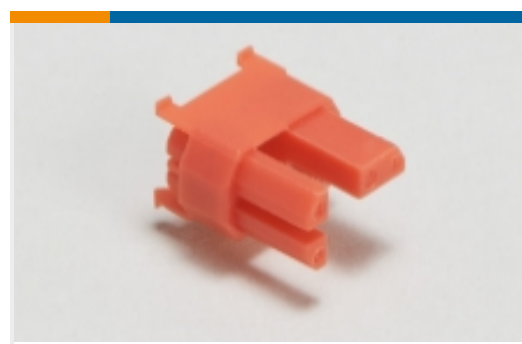
#### Product Compliance Disclaimer

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>

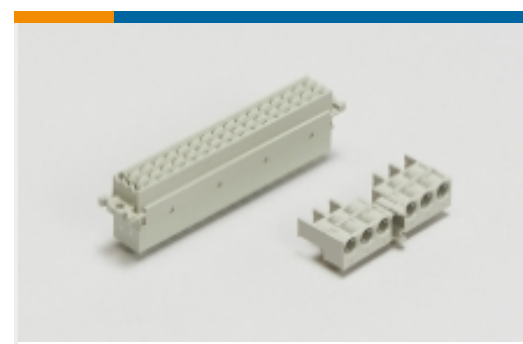
### Compatible Parts



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



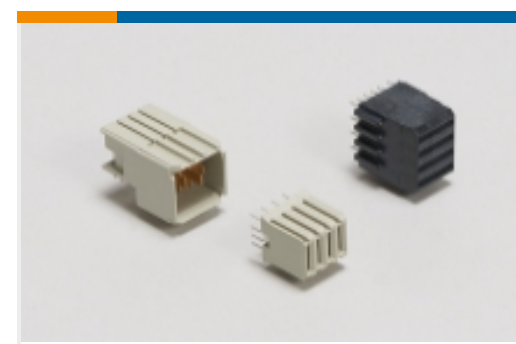
Backplane Coding Keys(60)



Backplane Connector Housings(4)



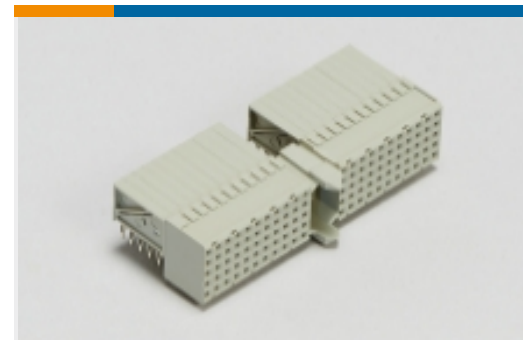
Backplane Guide Hardware(37)



Backplane Power Connectors(6)



Board-to-Board Connector Contacts(2)

Hard Metric Backplane Connectors  
(269)

Insertion &amp; Extraction Tools(2)



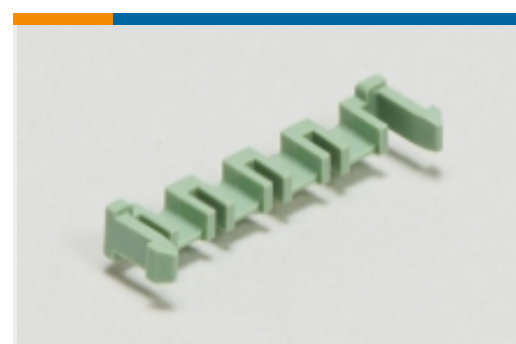
PCB Connector Covers(4)



PCB Connector Shrouds(39)



PCB Ferrules &amp; Shields(19)



PCB Latches, Locks &amp; Retainers(1)



Rectangular Power Connectors(87)

## Documents

### Product Drawings

#### Z-PACK/C F-REC 55P EON

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2389274-1\\_1.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2389274-1\\_1.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2389274-1\\_1.3d\\_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English