1857008-1 ✓ ACTIVE

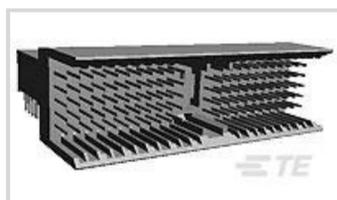**Z-PACK | Z-PACK 2mm HM**
TE Internal #: 1857008-1
Hard Metric Backplane Connectors, PCB Mount Header, ≤1 Gb/s, 5 Column, 11 Row, Mezzanine, Board-to-Board, 55 Position, Z-PACK 2mm HM

View on TE.com >

Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm

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

Data Rate: **≤1 Gb/s**

Number of Columns: **5**

Number of Rows: **11**

Backplane Architecture: **Mezzanine**

All Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm (21)

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

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

Signal Characteristics

Data Rate	≤1 Gb/s

Contact Features

Contact Mating Area Length	8.2 mm
Feedthrough Post Length	3.8 mm

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Contact Type	Pin
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Current Rating (Max)	.7 A

Termination Features

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

Mechanical Attachment

Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Backplane Module Length	24.9 mm

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Method	Tube

Product Compliance

For compliance documentation, visit the product page on TE.com>

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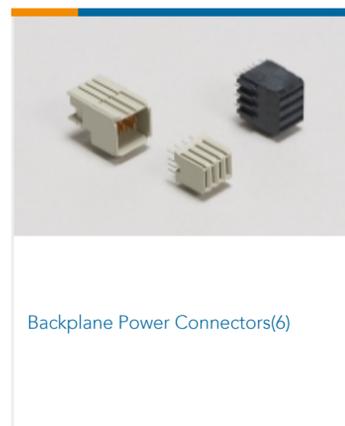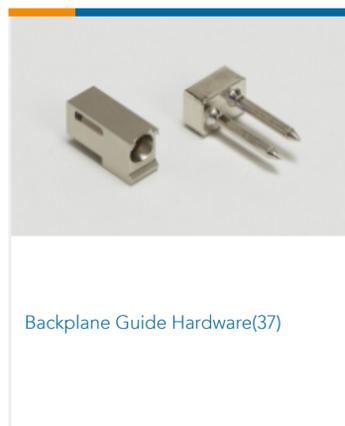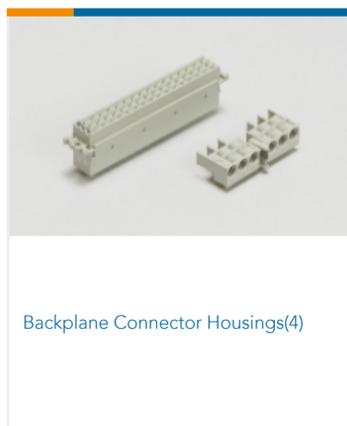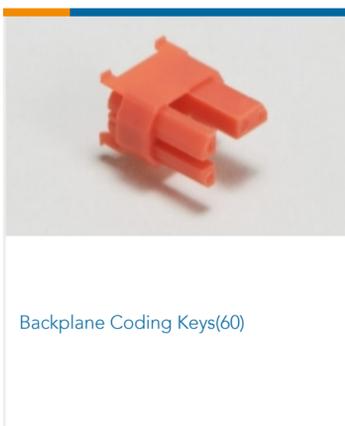|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
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
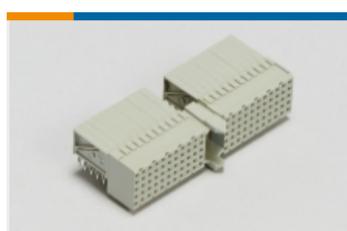
Compatible Parts

TE Part # 5100161-1
Z-PACK/C RAF 55P

Also in the Series | Z-PACK 2mm HM

Backplane Coding Keys(60)

Backplane Connector Housings(4)

Backplane Guide Hardware(37)

Backplane Power Connectors(6)

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Board-to-Board Connector Contacts(2)

Hard Metric Backplane Connectors (269)

High Speed Backplane Connectors(1)

Insertion & Extraction Tools(2)

PCB Connector Covers(4)

PCB Connector Shrouds(39)

PCB Ferrules & Shields(19)

Rectangular Power Connectors(87)

Documents

Product Drawings

Z-PACK/C RAMH. 55P.

English

CAD Files

Customer View Model

ENG_CVM_CVM_1857008-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1857008-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1857008-1_A.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

Agency Approvals

UL Report

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English