5188399-1 ✔ ACTIVE

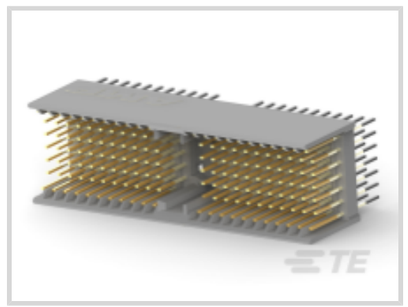
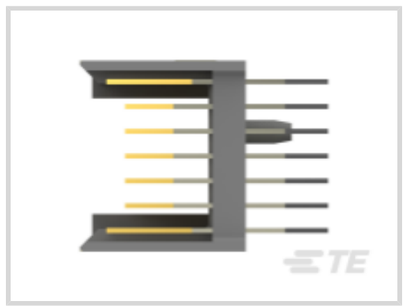
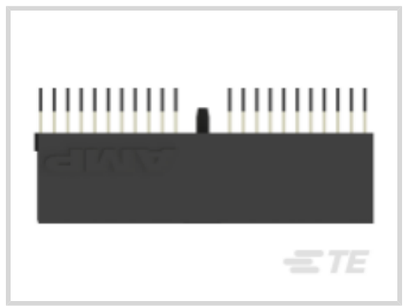
Z-PACK | Z-PACK 2mm HM

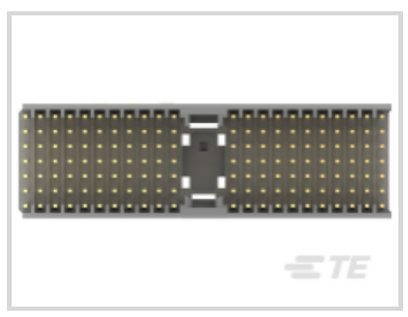
TE Internal #: 5188399-1

Hard Metric Backplane PCB Mount Header, ≤1 Gb/s, 22 Column, 7 Row, Mezzanine, 154 Position, 2 mm [.078 in] Centerline, Vertical, Gray, Z-PACK 2mm HM

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors



PCB Connector Type: **PCB Mount Header**

Data Rate: **≤1 Gb/s**

Number of Columns: **22**

Number of Rows: **7**

Backplane Architecture: **Mezzanine**

Features

Product Type Features

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

Configuration Features

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

Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

Body Features

Primary Product Color	Gray

Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Feedthrough Post Length	3.7 mm[.146 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	.5 µm[20 µin]
Contact Current Rating (Max)	1.5 A

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	50 mm[1.969 in]

Usage Conditions

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

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	10
Packaging Method	Box & Carton, Box & Tube

Product Compliance

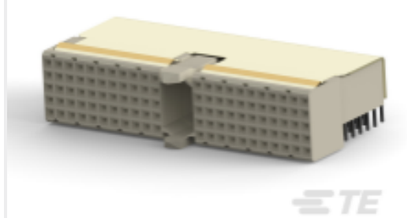
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

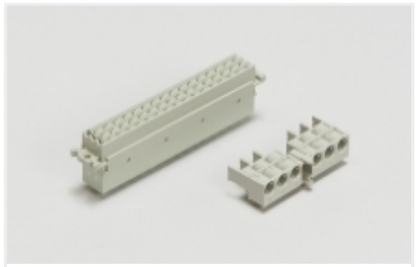
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

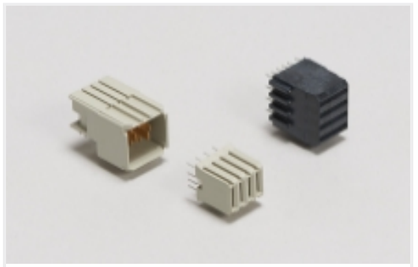


TE Part # 5352068-1
Z-PACK/A RAF 110P

Also in the Series | Z-PACK 2mm HM



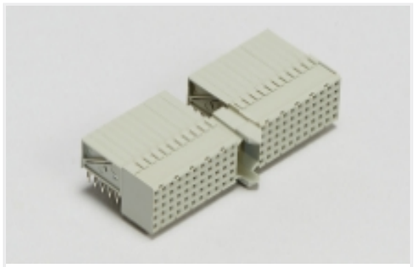
Backplane Connector Housings(4)



Backplane Power Connectors(1)



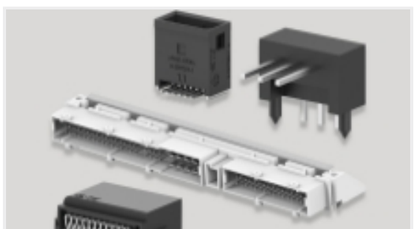
Connector Caps & Covers(62)



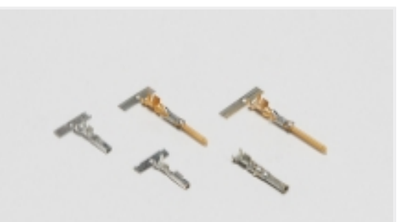
Hard Metric Backplane Connectors (273)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(46)

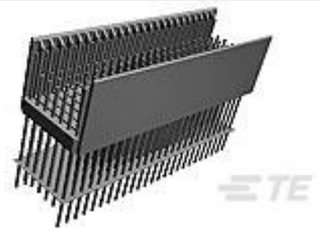


Power Contacts(1)



Rectangular Power Connectors(46)

Customers Also Bought



TE Part #188835-1
Z-PACK/B M-HDR 154P.



TE Part #2-1624113-3
3650 0805 3.3nH 5% 2K RL



TE Part #2-1624113-7
3650 0805 8.2nH 5% 2K RL



TE Part #3-1624113-1
3650 0805 15nH 5% 2K RL



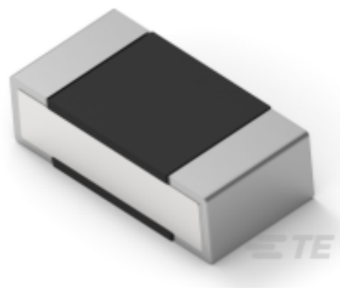
TE Part #3-1624113-6
3650 0805 33nH 5% 2K RL



TE Part #4-1624113-4
3650 0805 82nH 5% 2K RL



TE Part #4-1624113-8
3650 0805 0.12uH 5% 2K RL



TE Part #9-2176312-8
RP 1E 0.1W 127K 0.1% 25PPM 1K RL



TE Part #083506-E
CODEZT STVCFL COLS * 172
CODIERUNG 1 083

TE Part #044581-E
ERMBUG N 3 1 172 E3 * J 2 44581
BUCHSENG

Documents

Product Drawings

TYPE A,FIXED BOARD M/CONNECTOR

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5188399-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_5188399-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_5188399-1_B.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