5120779-1 ✔ ACTIVE

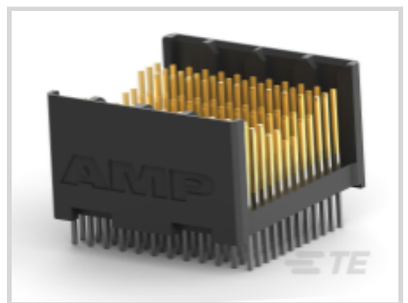
Z-PACK | Z-PACK 2mm HM

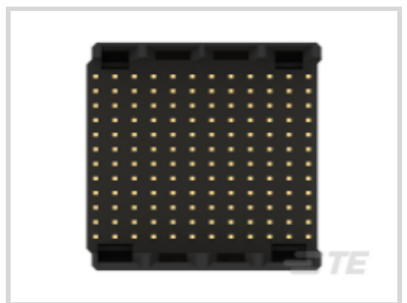
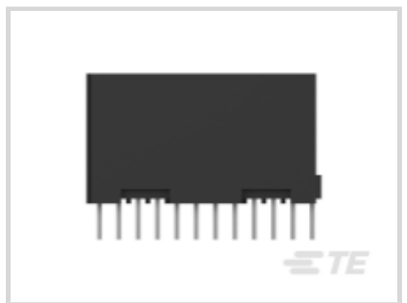
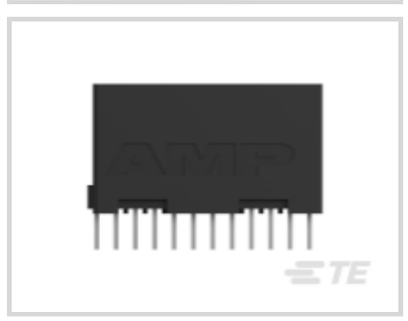
TE Internal #: 5120779-1

Hard Metric Backplane Connectors, PCB Mount Header, ≤1 Gb/s, 12 Column, 12 Row, Mezzanine, 144 Position, 1.5 mm [.059 in] Centerline, Z-PACK 2mm HM

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors > Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm



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

Data Rate: **≤1 Gb/s**

Number of Columns: **12**

Number of Rows: **12**

Backplane Architecture: **Mezzanine**

All Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm (124)

Features

Product Type Features

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

Configuration Features

Rows Loaded	Fully Loaded
Number of Columns	12
Number of Rows	12
Backplane Architecture	Mezzanine
Number of Positions	144
PCB Mount Orientation	Vertical

Signal Characteristics

Crosstalk Version	Reduced
Data Rate	≤1 Gb/s

Body Features

Primary Product Color	Black

Contact Features

Contact Mating Area Length	8.2 mm
Feedthrough Post Length	3.7 mm
CompactPCI Designation	None
Contact Type	Pin
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	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

Front Mating Level	Level 2
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Polyester - GF
Centerline (Pitch)	1.5 mm[.059 in]

Dimensions

Backplane Module Length	23.9 mm

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	20
Packaging Method	Tube

Product Compliance

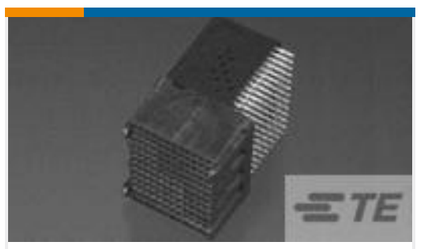
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

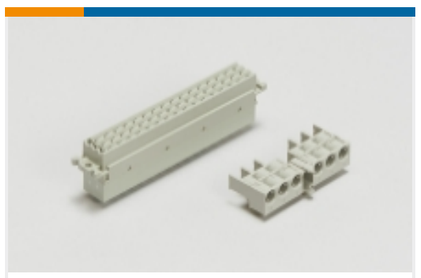
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

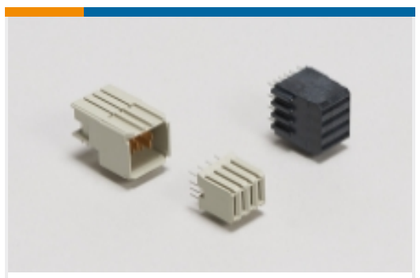


TE Part # 5120637-1
12 ROW HM RA REC ASY 144P CTR

Also in the Series | Z-PACK 2mm HM



Backplane Connector Housings(4)



Backplane Power Connectors(6)



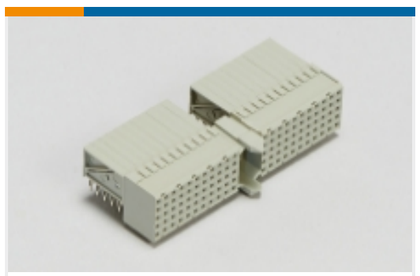
Connector Caps & Covers(62)



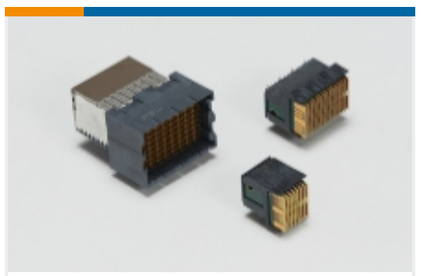
Connector Contacts(2)



Connector Hardware(97)



Hard Metric Backplane Connectors (267)



High Speed Backplane Connectors(1)



Insertion & Extraction Tools(2)



Rectangular Power Connectors(87)

Customers Also Bought



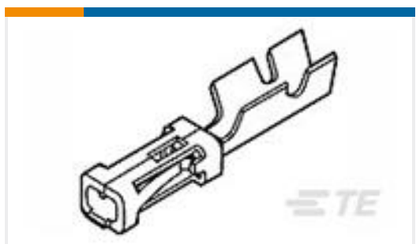
TE Part # 3-640432-2
02P MTA156 CONN ASSY 20AWG YEL



TE Part # 60617-6
CMNL SOK AUPHBZ L/P



TE Part # 646274-1
2MM HM PIN PWR/GRD MODULE



TE Part # 86016-1
MOD IV RECP LP



TE Part # 2176327-2
CRGP 0805 12R 1%



TE Part # 323975
SPLICE, BUTT, PIDG, 24-20



TE Part # DT15-12PD
HDR, 12P, BRN, ST, NI/CU, D



TE Part # 60618-6
CMNL PIN AUPHBZ L/P



TE Part # 640632-3
MTA .156 CONTACT BRSNBR

Documents

Product Drawings

2MMHM HDR ASY,12R SEL/LD 144 P

English

CAD Files

Customer View Model

ENG_CVM_CVM_5120779-1_O.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5120779-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5120779-1_O.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Product Specifications

Application Specification

English