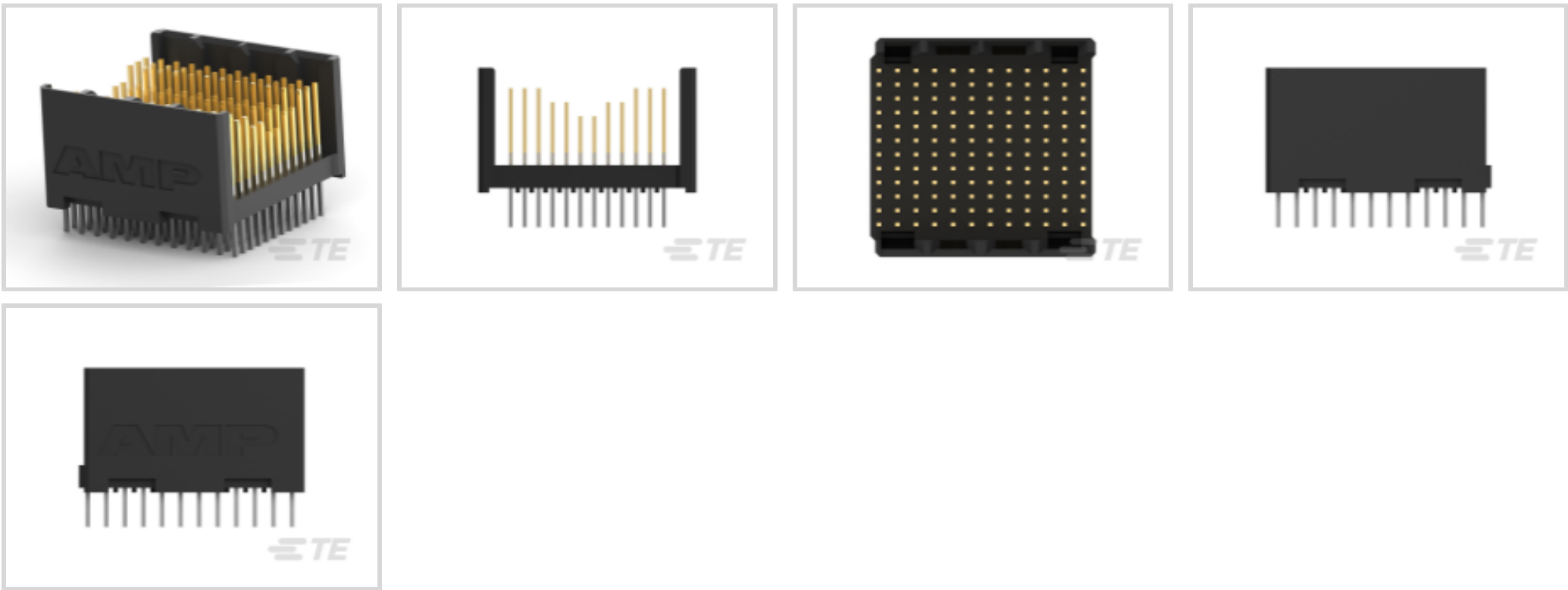




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

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

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
---------------------------	--------------------------

Mechanical Attachment

Connector Mounting Type	Board Mount
Front Mating Level	Level 2

Dimensions

Backplane Module Length	23.9 mm
-------------------------	---------

Operation/Application

Shielded	No
Circuit Application	Signal



Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Length	8.2 mm
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Feedthrough Post Length	3.7 mm
Contact Type	Pin
Contact Mating Area Plating Material	Nickel
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Current Rating (Max)	.7 A

Packaging Features

Packaging Quantity	20
Packaging Method	Tube

Housing Features

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

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

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Backplane Interface Type	2mm HM
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Header



Sealable	No
----------	----

Body Features

Primary Product Color	Black
-----------------------	-------

Usage Conditions

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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

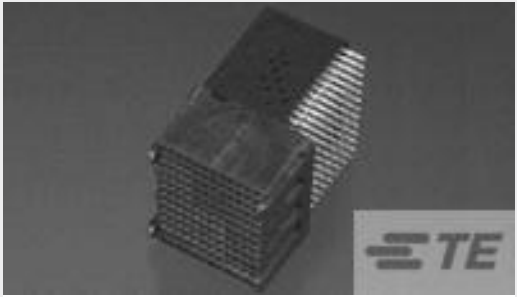
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

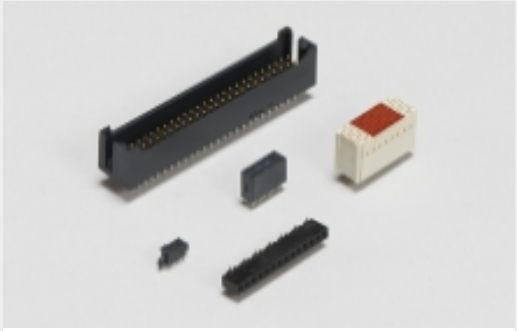
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

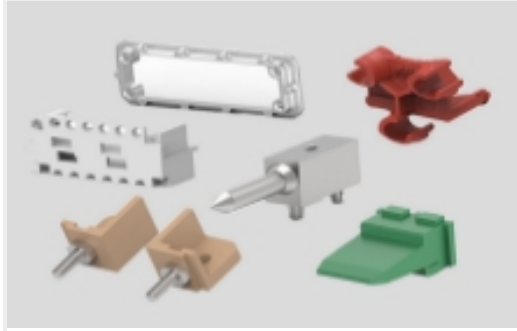
Also in the Series | Z-PACK 2mm HM



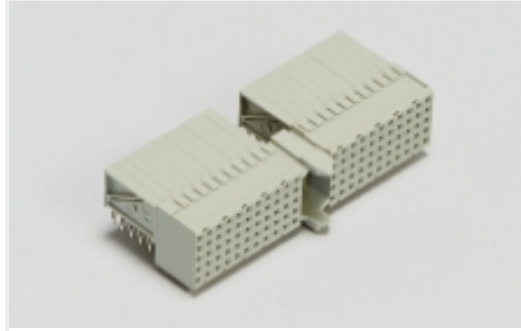
Board-to-Board Headers & Receptacles(46)



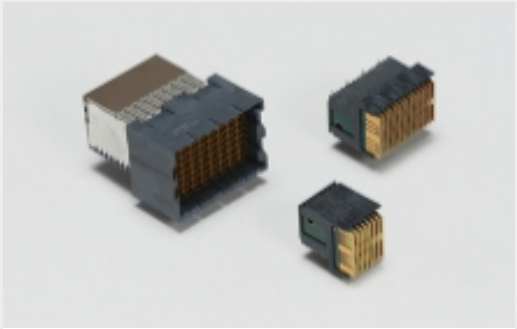
Connector Contacts(2)



Connector Hardware(91)



Hard Metric Backplane Connectors (267)



High Speed Backplane Connectors(1)



Power Contacts(2)

Customers Also Bought



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



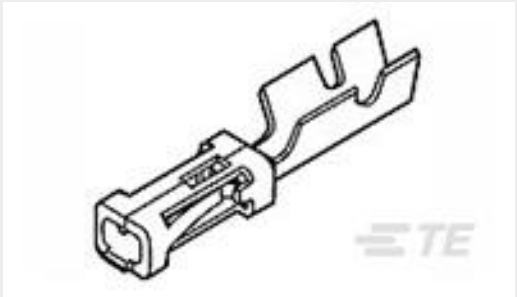
TE Part #5-520314-8
TRIOMATE ASSY H 8P L=2.54 LDFR



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



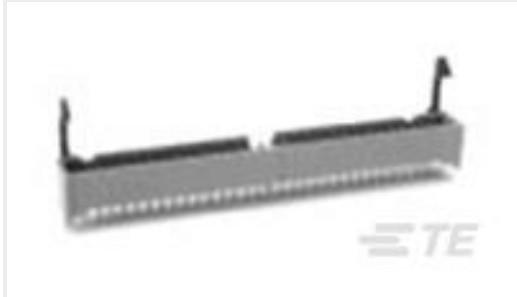
TE Part #646274-1
2MM HM PIN PWR/GRD MODULE



TE Part #86016-1
MOD IV RECP LP



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



TE Part #3-1761713-1
IDC LOW PRO HDR 34P VERT SHT L



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



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 Conditions](#) of use.

Product Specifications

Application Specification

English