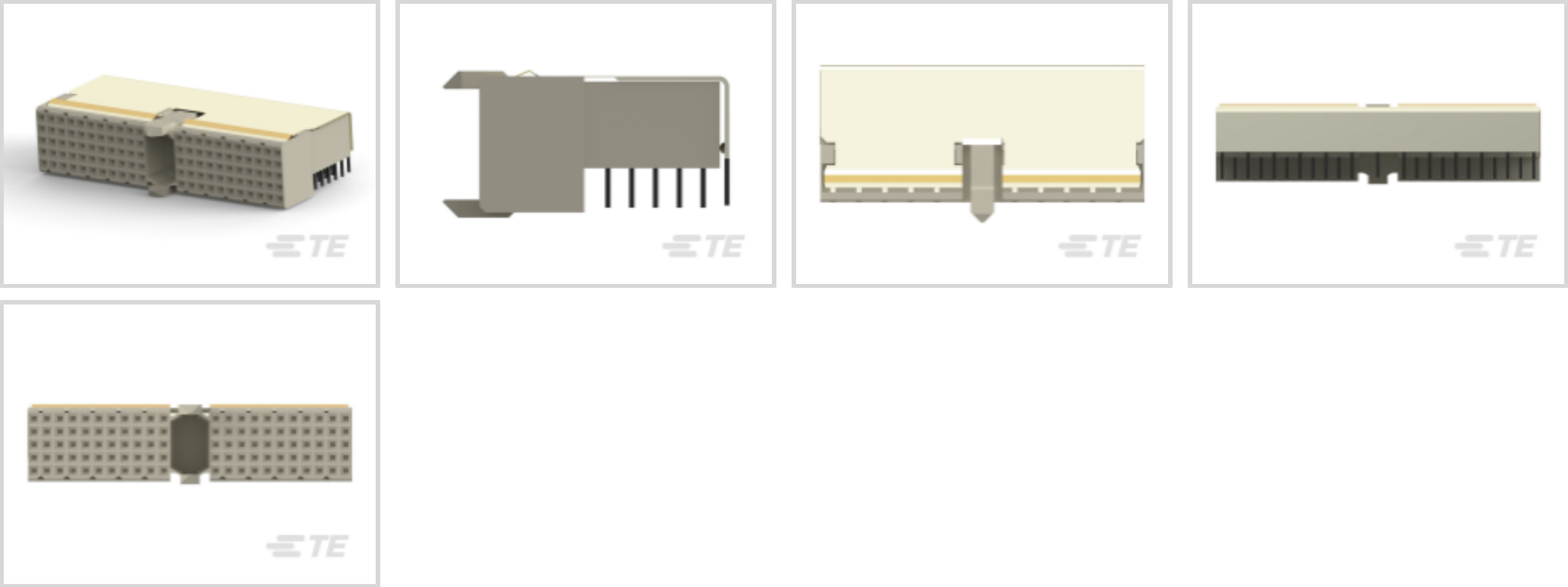




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



PCB Connector Type: **PCB Mount Receptacle**

Data Rate: **≤1 Gb/s**

Number of Columns: **22**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm \(48\)](#)

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 Receptacle
Sealable	No

Configuration Features

Rows Loaded	A, B, C, D, E
Mating & Unmating Configuration	Make First / Break Last
Number of Signal Positions	110
Number of Columns	22
Number of Rows	5



Backplane Architecture	Mezzanine
Number of Positions	110
PCB Mount Orientation	Right Angle

Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

Body Features

Primary Product Color	Gray
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Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	J1/J4
PCB Contact Termination Area Plating Material	Tin
Feedthrough Post Length	3.7 mm
Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	1.27 μm[50 μin]
Contact Current Rating (Max)	1.5 A

Termination Features

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

Connector Mounting Type	Board Mount
Mating Alignment Type	Multi-Purpose Center

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	3.7 mm[.145 in]

Dimensions

Backplane Module Length	50 mm
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Usage Conditions

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

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Shielded	Yes
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	11
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1645567-1
2MM HM PIN PWR/GRD MODULE

TE Part # 1746790-2
GROUND RETURN LOWER SHIELD
TYPE A,PB-FRE

TE Part # 2367945-1
Z-PACK/A F-HDR 110P, EON

TE Part # CAT-472-Z12
Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm

TE Part # 5188578-1
Z-PACK/A M HDR.154P

TE Part # 5352522-1
Z-PACK/A MALE HDR 100P 2MM HM

TE Part # 2361030-1
Z-PACK/A M-HDR.154P

TE Part # 5338108-2
Z-PACK SHLD.LOWER A

TE Part # 5338107-2
Z-PACK SHLD.UPPER A

TE Part # 6645286-1
2MM H.M. 5 + 2 ROW TYPE "A" PI

TE Part # 6645019-1
2MM H.M. TYPE "A" 5 + 2 ROW PI

TE Part # 5188829-1
Z-PACK/A M-HDR.154POS

TE Part # 2170935-1
Z-PACK M.ASSY.154P.

TE Part # 1318744-1
GUIDE PIN FOR HS3

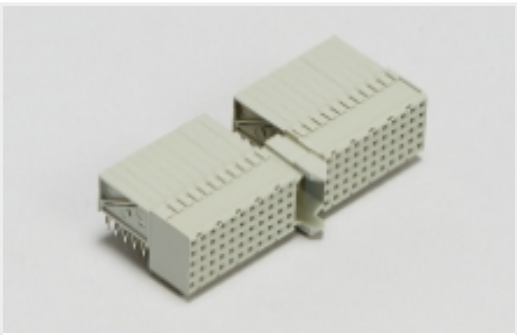
Also in the Series | Z-PACK 2mm HM

Backplane Connector Housings(4)

Backplane Power Connectors(1)

Connector Caps & Covers(62)

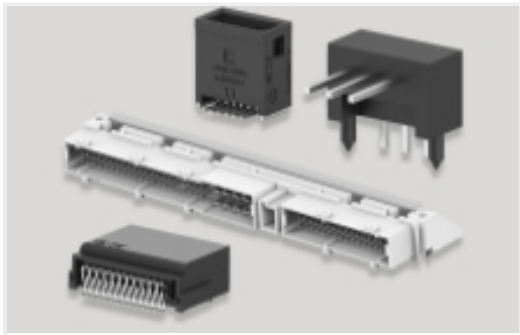
Connector Hardware(91)



Hard Metric Backplane Connectors
(266)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(46)

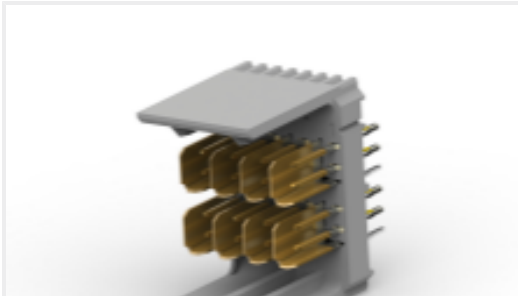


Rectangular Power Connectors(46)

Customers Also Bought



TE Part #6469025-1
HM-ZD 2PR HDR 40P 2.5MM



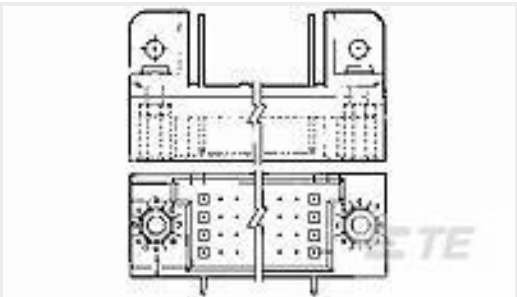
TE Part #2274678-1
HM-ZD 2PR HDR 16P 2.5MM



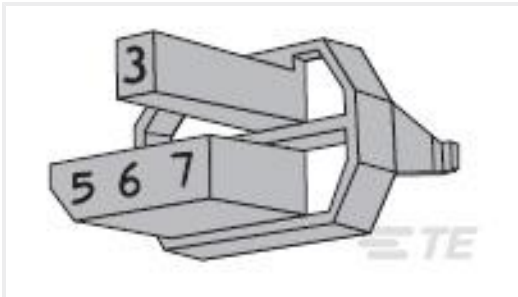
TE Part #2-1827875-2
DYNAMIC 1200D HDR ASSY V 4P Y
BLACK GOLD



TE Part #2204529-2
ELCON MINI 3P RA HEADER,SOLDER,
STANDARD



TE Part #533286-5
HDI PIN ASSY 4 ROW 160 POS R/A



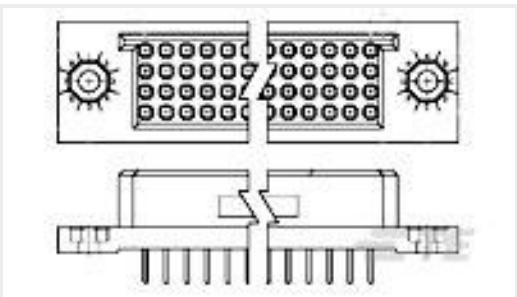
TE Part #5-100526-6
Z-PACK F.CODING KEY



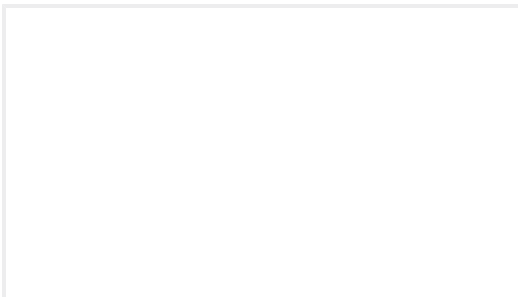
TE Part #5100668-1
Z-PACK M.ASSY.154P.



TE Part #2332816-2
RA Plug Assy Left End Multigig RT 3



TE Part #533285-5
BOX II 4 ROW RECP ASSY 160 POS



TE Part #2-1617004-2
B07D332BE1-0292 = RELAY.

Documents

Product Drawings
Z-PACK/A RAF 110P

English

CAD Files
Customer View Model
ENG_CVM_CVM_5352068-1_A.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_5352068-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5352068-1_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

Agency Approvals

[UL Report](#)

English