5100147-1 ✔ ACTIVE

Z-PACK | Z-PACK 2mm HM

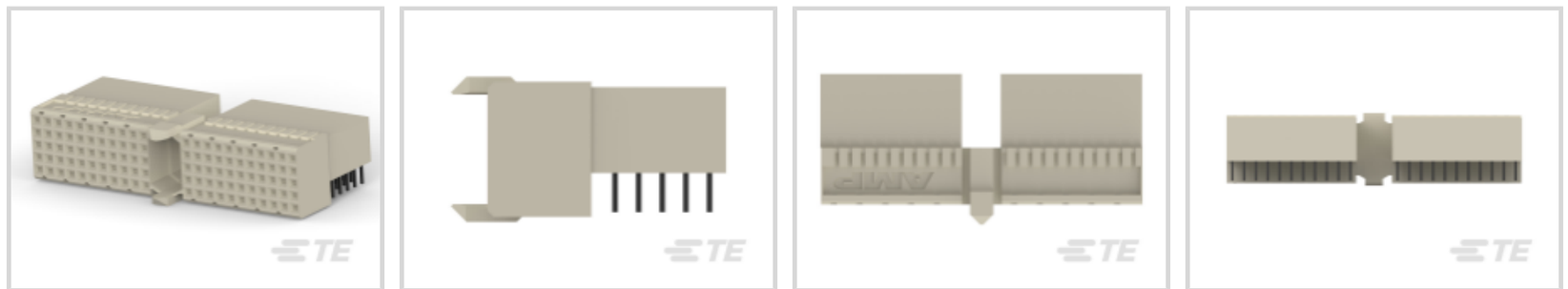
TE Internal #: 5100147-1

Hard Metric Backplane Connectors, PCB Mount Receptacle, ≤1 Gb/s, 22 Column, 5 Row, Mezzanine, 110 Position, 2 mm [.078 in] Centerline, Z-PACK 2mm HM

View on TE.com >

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

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



PCB Connector Assembly 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

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

Configuration Features

Rows Loaded	A, B, C, D, E
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

Contact Features

Feedthrough Post Length	3.3 mm
CompactPCI Designation	None
Contact Type	Socket
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
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)	1.5 A

Mechanical Attachment

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

Housing Features

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

Dimensions

Backplane Module Length	50 mm

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	11
Packaging Method	Tube

Product Compliance

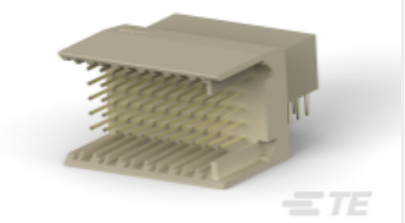
For compliance documentation, visit the product page on TE.com>

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 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

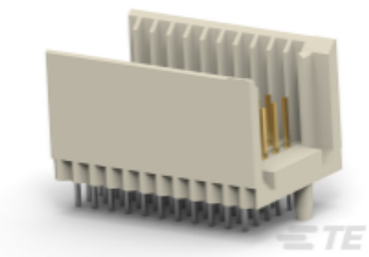
Product Compliance Disclaimer

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

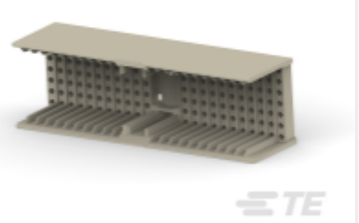
Compatible Parts



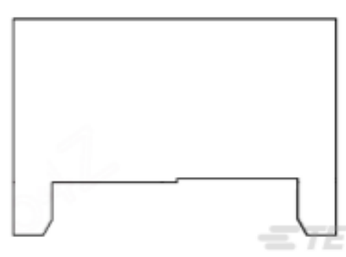
TE Part # CAT-472-Z1
Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm



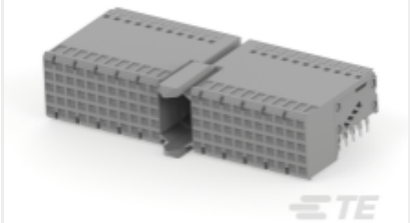
TE Part # CAT-472-Z12
Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm



TE Part # 106137-2
Z-PACK/A SHRD.110P



TE Part # 122559-1
SEATING TOOL 2MM HM 7 ROW



TE Part # 2392557-1
Z-PACK/A RAF 110P EON

TE Part # 5106726-1
Z-PACK/A M-HDR 110P

TE Part # 5352106-1
Z-PACK/A RAMH.110P.

TE Part # 2170292-2
2MM H.M. TYPE "A" PIN ASSY.

TE Part # 2170294-2
Z-PACK/A RAF 110P

TE Part # 2170312-2
2MM HM TYPE A RECPT ASSY

TE Part # 2170313-2
Z-PACK A HEADER 110P

TE Part # 2341384-1
2MM H.M. TYPE "A" PIN ASSY.

TE Part # 5352721-1
Z-PACK/A M-HDR.110P

TE Part # 6645301-1
2MM H.M. TYPE "A" PIN ASSEMBLY

TE Part # 6645302-1
2MM H.M. TYPE "A" PIN ASSEMBLY

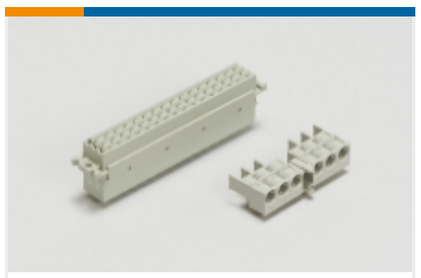
TE Part # 6645303-1
2MM H.M. TYPE "A" PIN ASSEMBLY

TE Part # 6645436-1
2mm HM Type A MALE HDR 154P

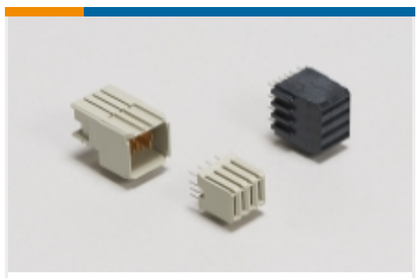
TE Part # 6645496-1
Z-PACK HM 2MM HDR TYPE A ASSY,

TE Part # 6645496-9
Z-PACK HM 2MM HDR TYPE A ASSY,

Also in the Series | Z-PACK 2mm HM



Backplane Connector Housings(4)



Backplane Power Connectors(6)



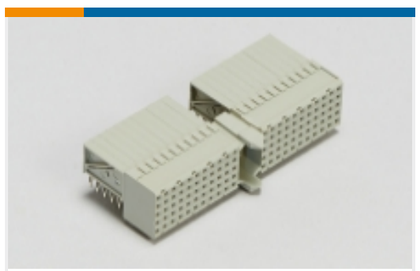
Connector Caps & Covers(62)



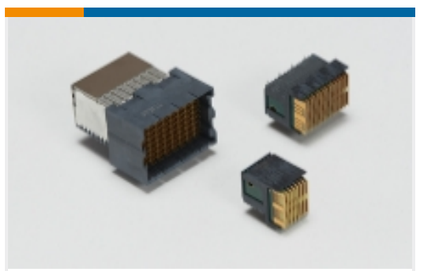
Connector Contacts(2)



Connector Hardware(97)



Hard Metric Backplane Connectors (267)



High Speed Backplane Connectors(1)



Insertion & Extraction Tools(2)



Rectangular Power Connectors(87)

Customers Also Bought



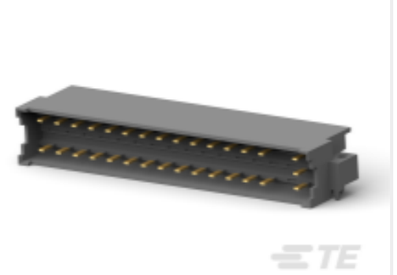
TE Part #5100159-1
2MM HDR, 55 POS EXTN MOD



TE Part #6-1437719-6
T01-0570-S03-FEMALE REC PANEL-PCB STRT



TE Part #173926-1
4 P ACTION PIN UMNL



TE Part #188753-4
31P.IEC-F MALE CONN

TE Part #1879213-1
CPF 0402 26R1 0.1% 25PPM 1K RL

TE Part #5-1437720-3
T01-500-3.5=INDUSTRIAL CONNECT

TE Part #3-647502-2
02P MTA100 HDR ASSY,SM,FL,SN

Documents

Product Drawings

Z-PACK/A RAF 110P

English

CAD Files

Customer View Model

ENG_CVM_CVM_5100147-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5100147-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5100147-1_B.3d_stp.zip

English

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Product Specifications

Application Specification

English