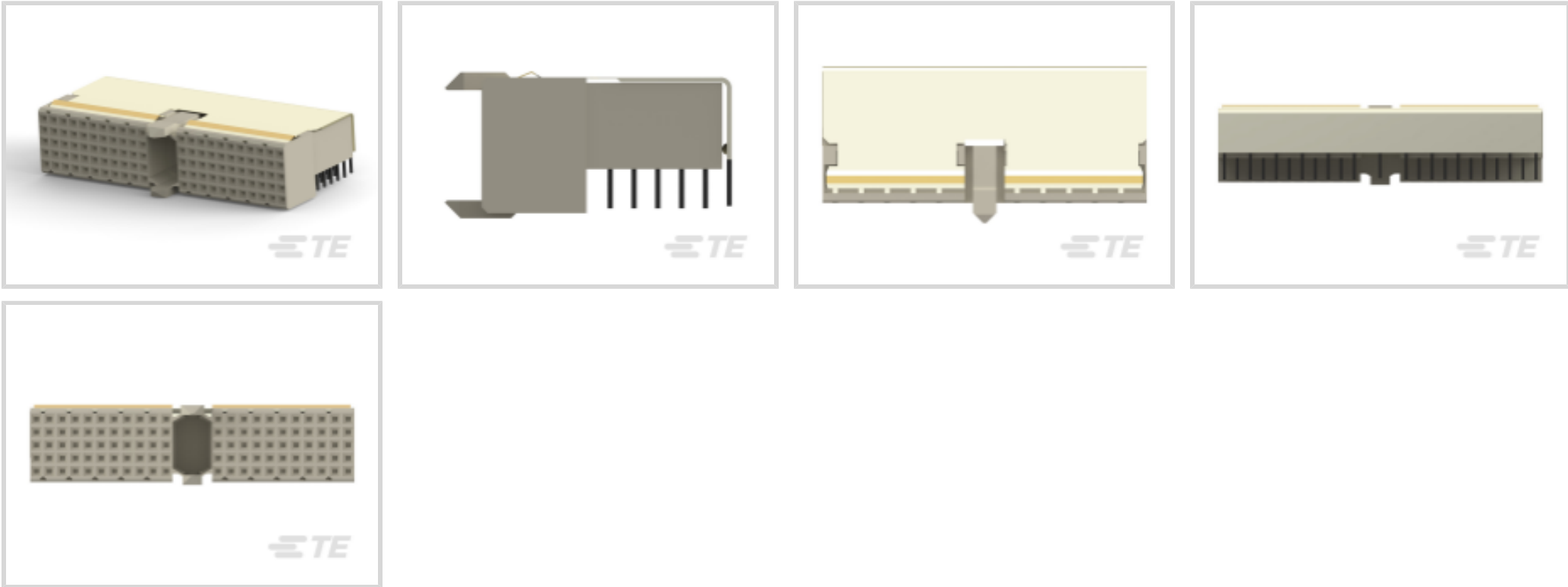




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors



PCB Connector Type: **PCB Mount Receptacle**

Data Rate: **≤1 Gb/s**

Number of Columns: **22**

Number of Rows: **5**

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 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
Contact Features	
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	J1/J4
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Feedthrough Post Length	3.7 mm[.146 in]
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
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	
Connector Length	50 mm[1.969 in]
Usage Conditions	
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
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](#)>

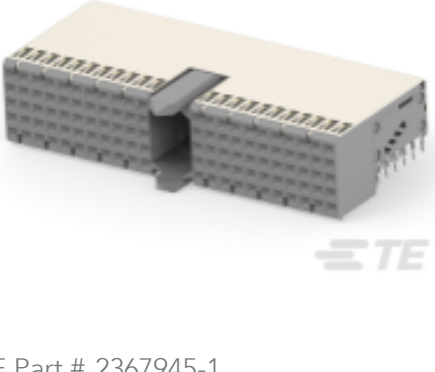
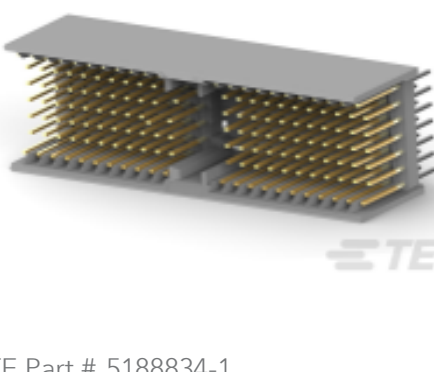
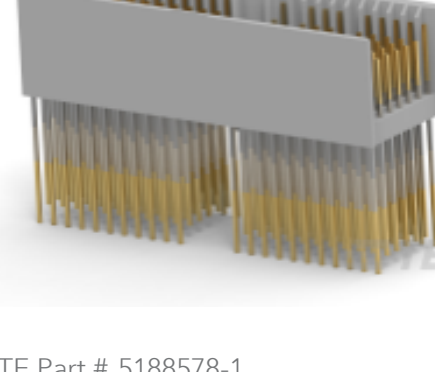
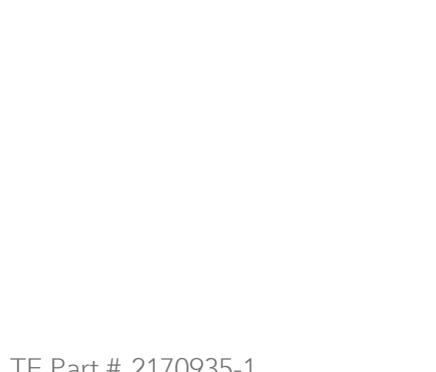
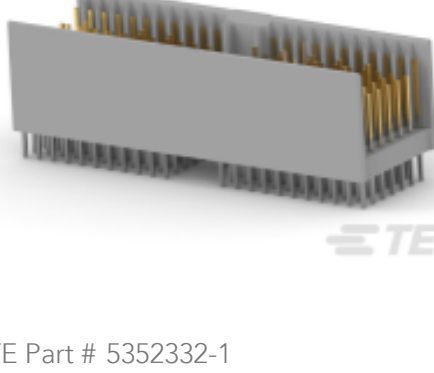
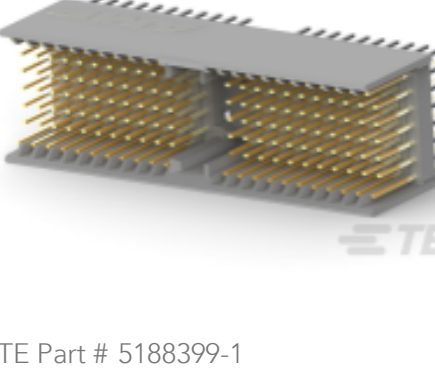
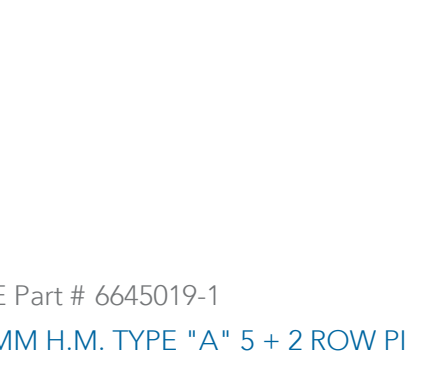
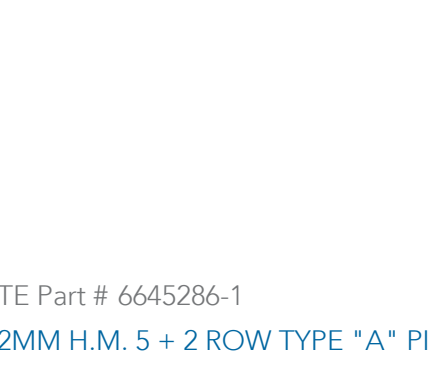
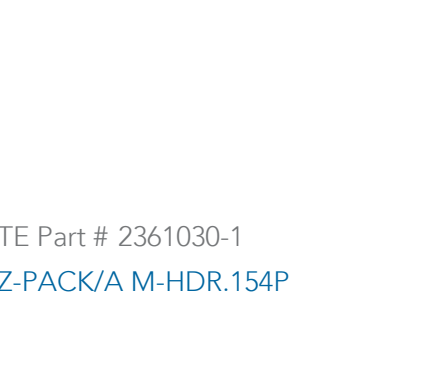
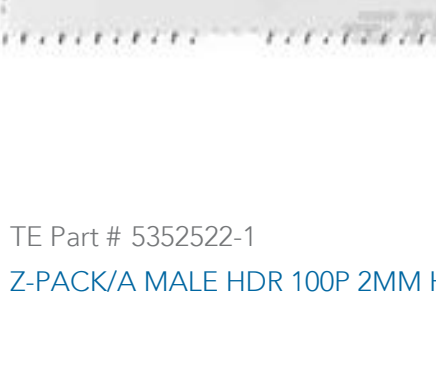
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE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

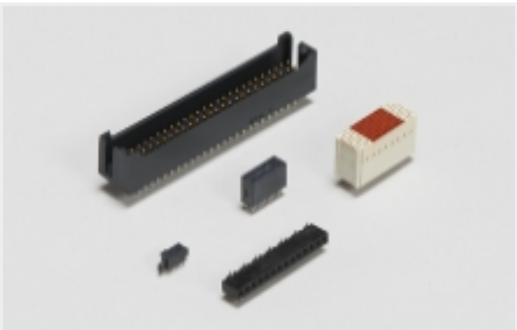
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1645567-1 2MM HM PIN PWR/GRD MODULE	 TE Part # 5352495-1 Z-PACK / A-HDR 154 POS	 TE Part # 1746790-2 GROUND RETURN LOWER SHIELD TYPE A,PB-FRE	 TE Part # 5352521-1 Z-PACK/A MALE HDR, 154P 2MM HM
 TE Part # 2367945-1 Z-PACK/A F-HDR 110P, EON	 TE Part # 5188834-1 Z-PACK/A M-HDR 154P.	 TE Part # 5188578-1 Z-PACK/A M HDR.154P	 TE Part # 2170935-1 Z-PACK M.ASSY.154P.
 TE Part # 1318744-1 GUIDE PIN FOR HS3	 TE Part # 5352332-1 2MM HM TYPE A MALE HDR 154 POS	 TE Part # 5188399-1 TYPE A, FIXED BOARD M /CONNECTOR	 TE Part # 5106509-1 2MMHM PIN HDR,TYPE A 154POS 7R
 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 # 6645286-1 2MM H.M. 5 + 2 ROW TYPE "A" PI	 TE Part # 5106717-1 Z-PACK/A M-HDR 154P
 TE Part # 6345235-1 Z-PACK A HEADER 132P	 TE Part # 5100668-1 Z-PACK M.ASSY.154P.	 TE Part # 2361030-1 Z-PACK/A M-HDR.154P	 TE Part # 5352522-1 Z-PACK/A MALE HDR 100P 2MM HM

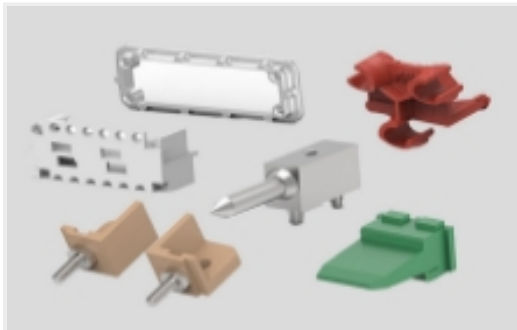
Also in the Series | **Z-PACK 2mm HM**



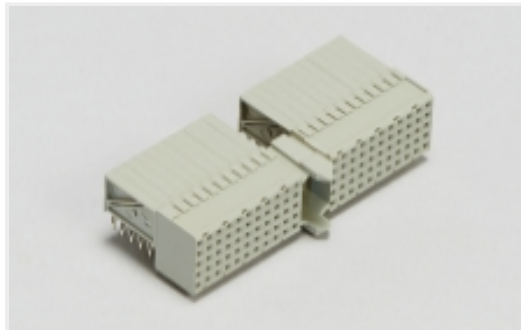
Board-to-Board Headers & Receptacles(46)



Connector Contacts(1)



Connector Hardware(91)



Hard Metric Backplane Connectors (273)



Power Contacts(1)



Rectangular Power Connectors(46)

Customers Also Bought



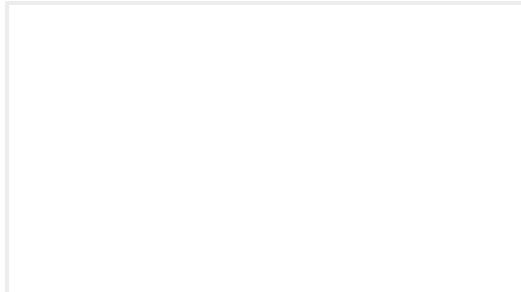
TE Part #1-1410297-3
MULTIGIG RT KEY/ESD .8" 90 DEG



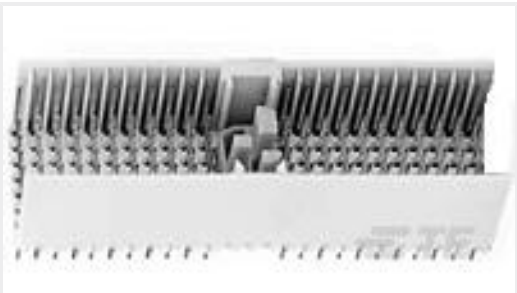
TE Part #1932258-1
Std USB 3.0, Type A, R/A, T/H,



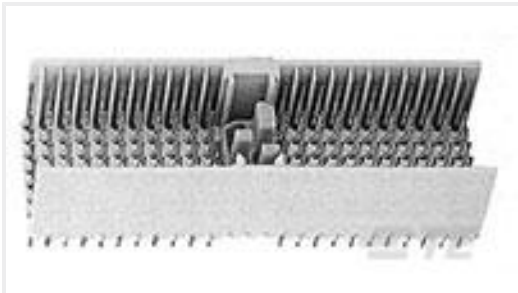
TE Part #1-2071568-1
ECP250BHAADA



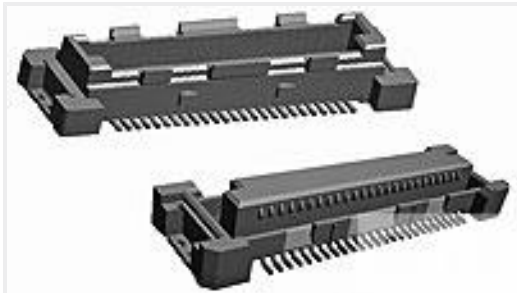
TE Part #1-2334644-1
HEAT SINK CLIP QSFP28/QSFP_DD



TE Part #5100143-1
2MM H.M. TYPE "A" PIN ASSY.



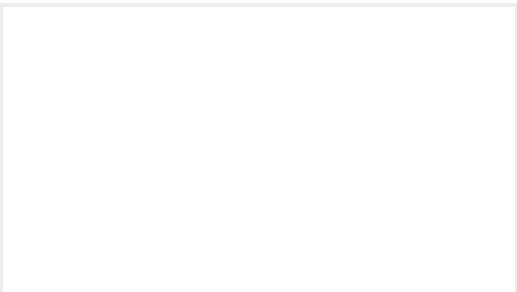
TE Part #5188834-1
Z-PACK/A M-HDR 154P.



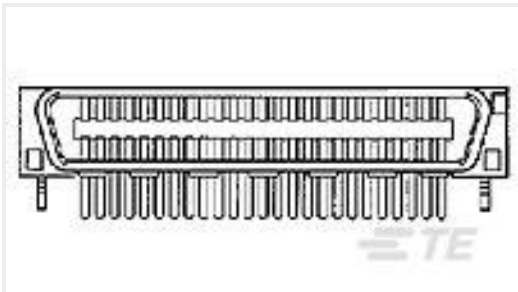
TE Part #1-5316318-0
.6FHR12H, 140, S, GIG, 08/Sn, HT, SEYes



TE Part #5352115-1
Z-PACK/C RAF 55P



TE Part #2394006-4
DDR5SODIMM 262P 4.0H METAL LATCH RVS, 15u



TE Part #6-5175472-0
.050CL, CHAMP, R/TANGPLUG, 100POS

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

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English