5646547-1 ✔ ACTIVE

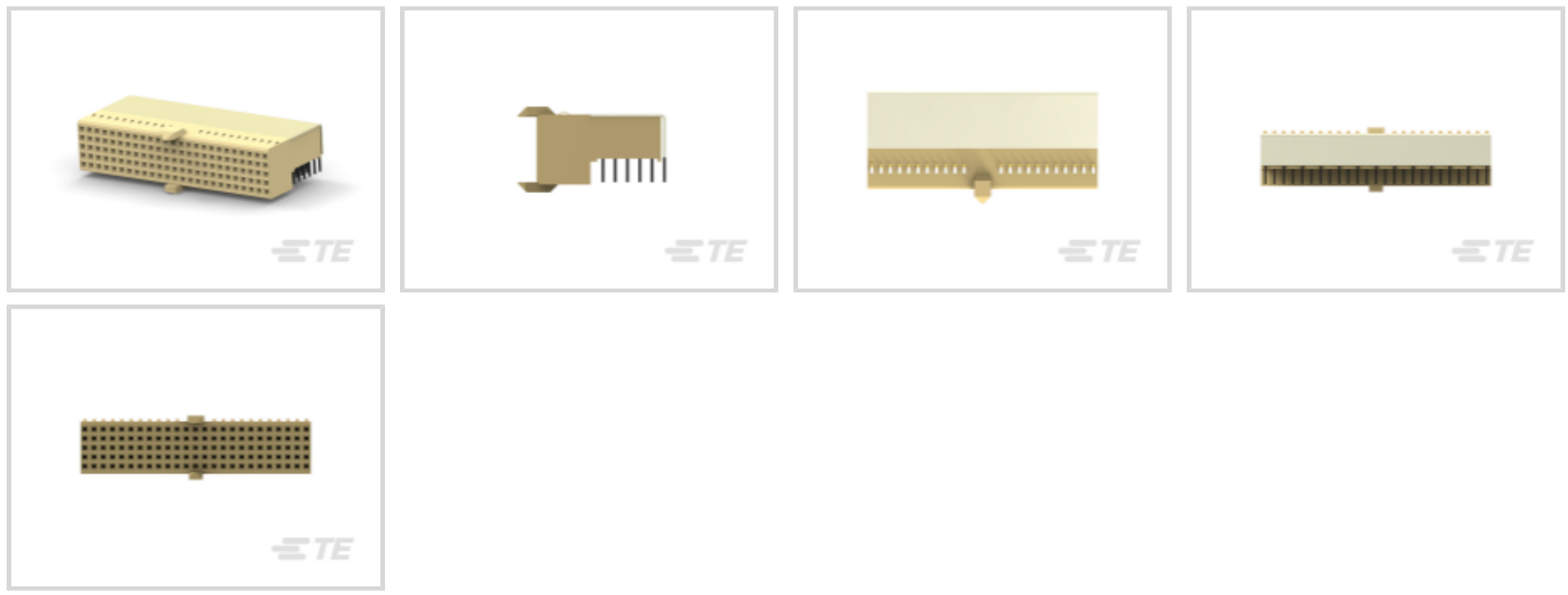
Z-PACK | Z-PACK 2mm HM

TE Internal #: 5646547-1

PCB Mount Receptacle, ≤1 Gb/s, 25 Column, 5 Row, Mezzanine, 125 Position, 2 mm [.078 in] Centerline, Z-PACK 2mm HM, Hard Metric Backplane Connectors

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors > HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Receptacle**

Data Rate: **≤1 Gb/s**

Number of Columns: **25**

All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm (48)

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 Receptacle
Sealable	No

Configuration Features

Rows Loaded	Fully Loaded
Number of Signal Positions	125
Number of Columns	25

Number of Rows	5
Backplane Architecture	Mezzanine
Number of Positions	125
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	None
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Feedthrough Post Length	3.3 mm
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 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

Housing Features

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

Dimensions

Backplane Module Length	49.9 mm

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

Packaging Features

Packaging Quantity	10
Packaging Method	Tube

Product Compliance

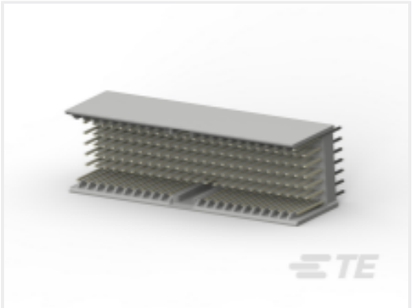
For compliance documentation, visit the product page on TE.com>

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: 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 # 5646529-1
Z-PACK 2MM HM TYPE A/B 169P



TE Part # 5646884-1
2MMHM TYPE A/B 125 POS INVERSE



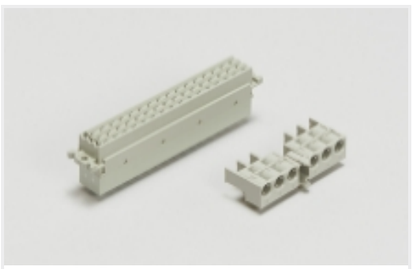
TE Part # 122562-1
SEATING TOOL



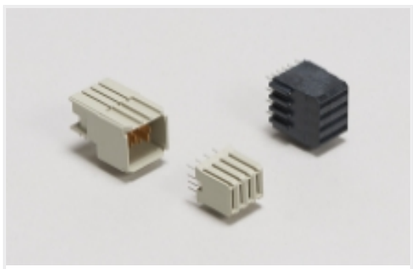
TE Part # 2392865-1
Z-PACK A-B 25 COLUMN SHLD ASSY EON

TE Part # 2170154-1
MALE ASSEMBLY, Z-PACK 2mm HM, TYPE A/B

Also in the Series | Z-PACK 2mm HM



Backplane Connector Housings(4)



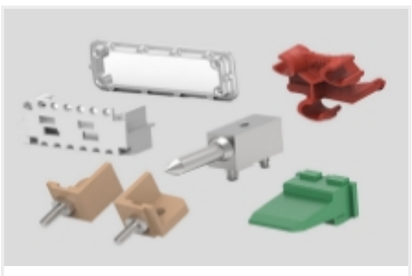
Backplane Power Connectors(1)



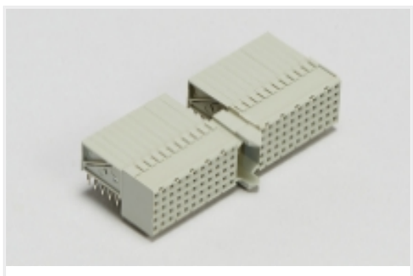
Connector Caps & Covers(62)



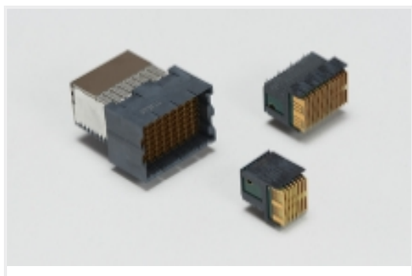
Connector Contacts(2)



Connector Hardware(91)



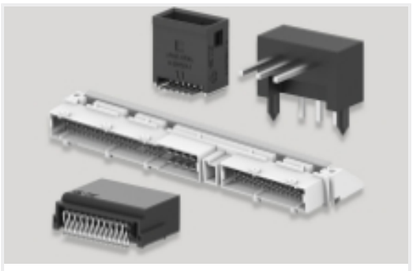
Hard Metric Backplane Connectors (267)



High Speed Backplane Connectors(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(46)

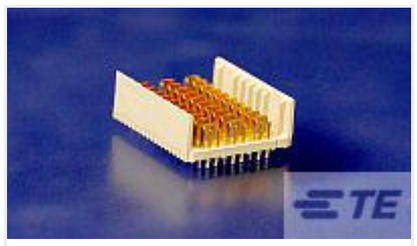
Customers Also Bought



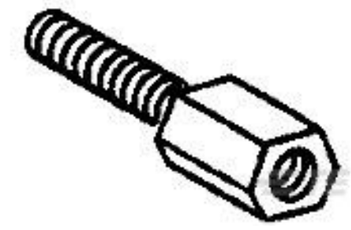
TE Part #5352115-1
Z-PACK/C RAF 55P



TE Part #6469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY



TE Part #6469083-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part #5747877-3
FEMALE SCREWLOCK ZINC CLEAR



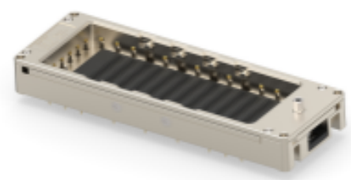
TE Part #6469028-1
HM-ZD 2PR RECP 40P



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



TE Part #2357739-1
16G,05FH,REC,220PIN,4H,Hard Tray



TE Part #2822650-1
MP456P HD Receptacle Connector



TE Part #146839-3
CF HDR,SMT,50P,VERT,TYPE 1,LEAD FREE

Documents

Product Drawings

Z-PACK A-B 25 COLUMN SHLD ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5646547-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5646547-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5646547-1_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