1645568-1 ✔ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 1645568-1

Hard Metric Backplane PCB Mount Receptacle, 1 Gb/s, 12 Column, 12 Row, Traditional Backplane, 144 Position, 2 mm [.079 in] Centerline, Z-PACK 2mm HM

View on TE.com >

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



PCB Connector Type: **PCB Mount Receptacle**

Data Rate: **1 Gb/s**

Number of Columns: **12**

Number of Rows: **12**

Backplane Architecture: **Traditional Backplane**

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Receptacle
Sealable	No

Configuration Features

Number of Columns	12
Number of Rows	12
Backplane Architecture	Traditional Backplane
Number of Positions	144
PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	1 Gb/s

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
Contact Type	Receptacle
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.7 µm[27.165 µin]
Contact Current Rating (Max)	1 A

Mechanical Attachment

Connector Mounting Type	Board Mount

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2 mm[.079 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	23
Packaging Method	Tube

Product Compliance

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

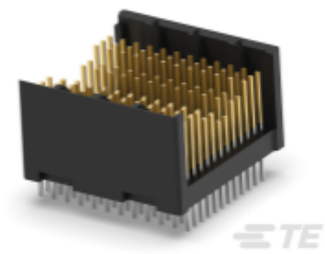
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does 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

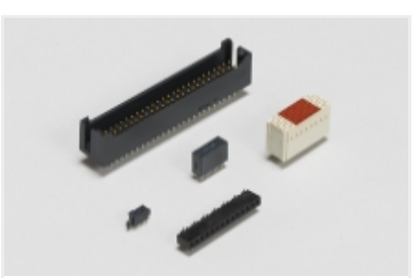


TE Part # 1645560-1
2MMHM HDR ASY,12R SEL/LD 144 P



TE Part # 1645569-1
12 ROW HM RA REC ASY 072P LFT

Also in the Series | Z-PACK 2mm HM



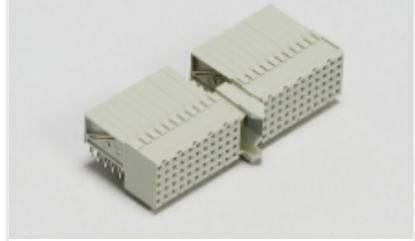
Board-to-Board Headers & Receptacles(46)



Connector Contacts(1)



Connector Hardware(91)



Hard Metric Backplane Connectors (264)



Power Contacts(1)



Rectangular Power Connectors(46)

Customers Also Bought



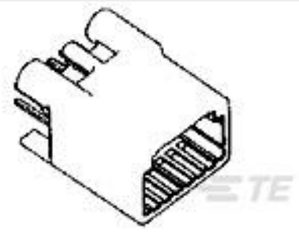
TE Part #6-103168-1
26 MODII HDR DRST SHRD .100CL



TE Part #536446-5
032 EURO TYPE B RECEPT ST ASSY



TE Part #640445-6
06P MTA156 HDR ASSY FL/STR SN



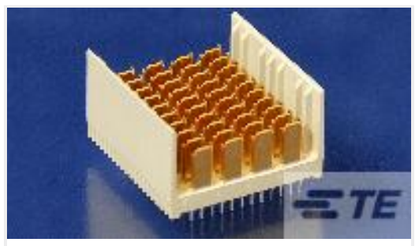
TE Part #1473898-4
025 12 POS CAP ASSY V



TE Part #5103308-6
A/L LOW PRO HDR 26P VERT BLACK



TE Part #5646492-1
2MM HM,ASY,T-F,REC,TT/PRE-SHLD



TE Part #6469074-1
HM-ZD 4PR HDR ASSY 1.8MM

Documents

Product Drawings

12 ROW HM RA REC ASY 144P CTR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1645568-1_A_c-1645568-1-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1645568-1_A_c-1645568-1-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1645568-1_A_c-1645568-1-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

Instruction Sheets

Instruction Sheet (U.S.)

English