5646534-1 ✔ ACTIVE

Z-PACK | Z-PACK 2mm HM

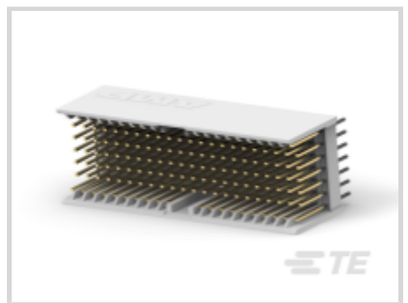
TE Internal #: 5646534-1

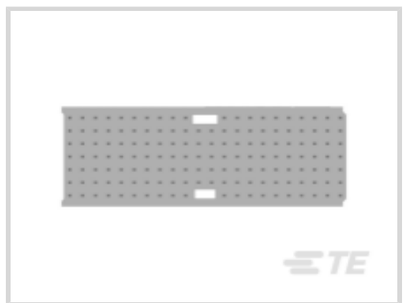
Hard Metric Backplane PCB Mount Header, ≤1 Gb/s, 22 Column, 7 Row, Mezzanine, 146 Position, 2 mm [.078 in] Centerline, Vertical, Gray, Z-PACK 2mm HM

View on TE.com >

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

Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm




PCB Connector Type: **PCB Mount Header**

Data Rate: **≤1 Gb/s**

Number of Columns: **22**

Number of Rows: **7**

Backplane Architecture: **Mezzanine**

All Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm (123)

Features

Product Type Features

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

Configuration Features

Rows Loaded	A, B, C, D, E, F, Z
Number of Signal Positions	110, 125
Number of Columns	22
Number of Rows	7
Backplane Architecture	Mezzanine
Number of Positions	146

PCB Mount Orientation	Vertical

Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

Body Features

Primary Product Color	Gray

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Length	6.75 mm, 8.25 mm
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Feedthrough Post Length	3.7 mm
Contact Type	Pin
Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
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	43.88 mm

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	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: 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

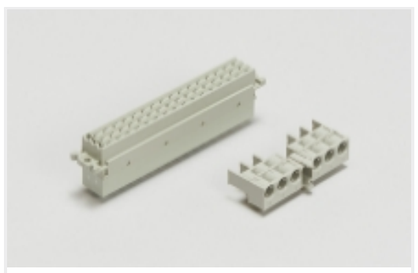
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

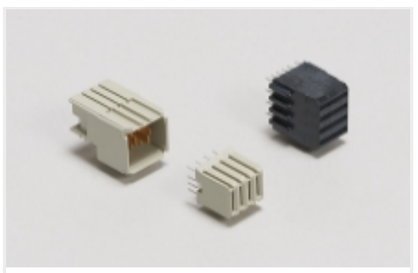


TE Part # 5646489-1
2MM H.M. A/B-22 RECEPT. ASSY.

Also in the Series | Z-PACK 2mm HM



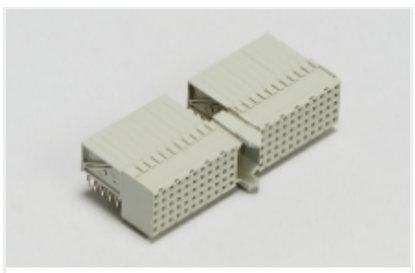
Backplane Connector Housings(4)



Backplane Power Connectors(1)



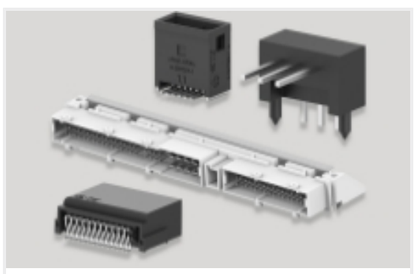
Connector Caps & Covers(62)



Hard Metric Backplane Connectors (264)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(46)



Power Contacts(1)



Rectangular Power Connectors(46)

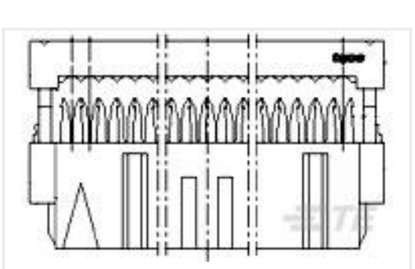
Customers Also Bought



TE Part #5-104550-7
60 SYS50 SURFMNT DRST RCPT SN



TE Part #148452-5
160 ENH EURO LONG REC 6MM ASSY



TE Part #2-215911-6
26 WAY BLACK MK II RECP



TE Part #350824-4
02P UMNL HDR ASSY PC LF



TE Part #350829-4
12P UMNL HDR ASSY PC 94VO LF



TE Part #1-747299-6
15 RCPT SP/FMS SCRLK



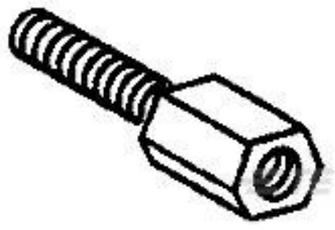
TE Part #1-5102155-0
A/L UNIV HDR 50P VERT



TE Part #5148059-5
ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FRE



TE Part #5352128-1
Z-PACK T-B MALE HEADER 154P



TE Part #5747877-3
FEMALE SCREWLOCK ZINC CLEAR

Documents

Product Drawings

2MM HM,TYPE A/B,HDR,ASY,146POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5646534-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5646534-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5646534-1_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