3-646445-0 ✔ ACTIVE

Z-PACK | Z-PACK 2mm HM

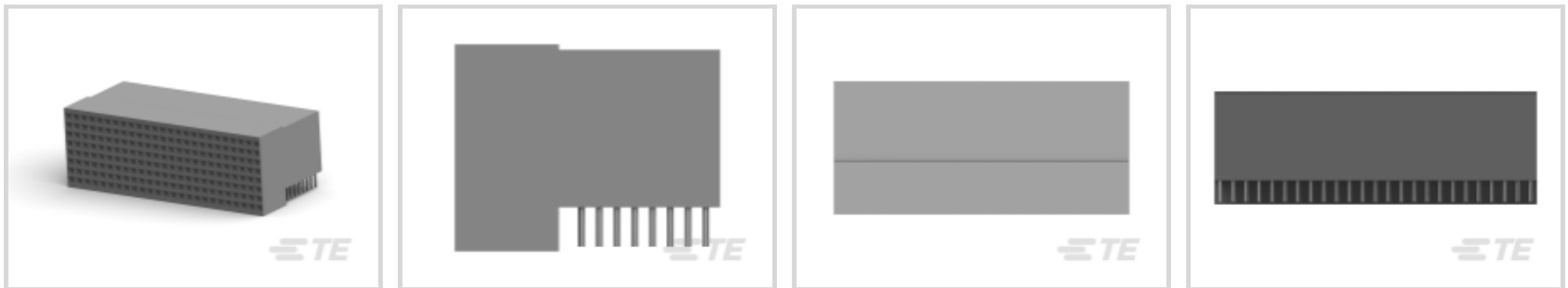
TE Internal #: 3-646445-0

Hard Metric Backplane PCB Mount Receptacle, 1 Gb/s, 25 Column, 8 Row, Traditional Backplane, 200 Position, 2 mm [.07 in] Centerline, Z-PACK 2mm HM

View on TE.com >

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

Hard Metric Backplane Receptacle Connector: Mezzanine, 2mm



PCB Connector Type: **PCB Mount Receptacle**

Data Rate: **1 Gb/s**

Number of Columns: **25**

Number of Rows: **8**

Backplane Architecture: **Traditional Backplane**

All Hard Metric Backplane Receptacle Connector: Mezzanine, 2mm (27)

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	25
Number of Rows	8
Backplane Architecture	Traditional Backplane
Number of Positions	200
PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	1 Gb/s

Body Features

Primary Product Color	Gray

Contact Features

CompactPCI Designation	None
Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Current Rating (Max)	1.5 A

Mechanical Attachment

Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2 mm[.07 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Method	Tube

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (13% in 4690948374) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.

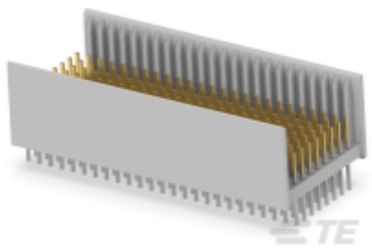
Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

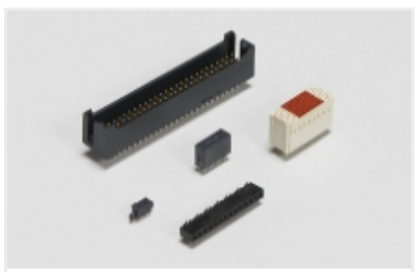
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 3-646347-0
2MM HM,ASY,T-E,HDR,08R,200,AP

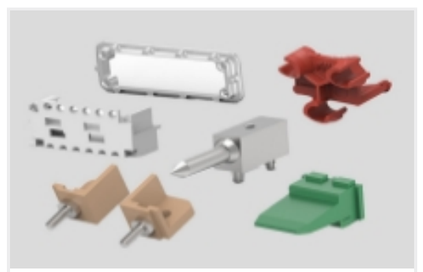
Also in the Series | Z-PACK 2mm HM



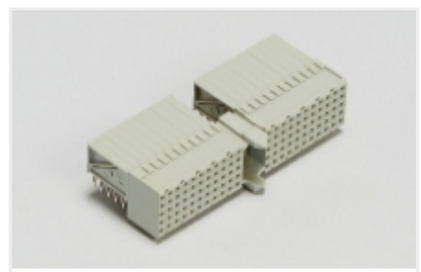
Board-to-Board Headers & Receptacles(46)



Connector Contacts(1)



Connector Hardware(91)



Hard Metric Backplane Connectors (264)



Power Contacts(1)



Rectangular Power Connectors(46)

Customers Also Bought



TE Part #102241-4
06 MODIV HSG COMP SR .100 POL



TE Part #103309-1
010 LOPRO HDR SP 30DP



TE Part #103309-7
034 LOPRO HDR SP 30DP



TE Part #6-146257-0
20 MODII HDR DRST B/A .100CL LF



TE Part #166291-1
20DF COSI SOCKET



TE Part #320554
PIDG R 22-16 COMM 22-18 MIL 8



TE Part #650473-5
096 EURO TYPE C PIN ST ASSY



TE Part #5103309-1
A/L LOW PRO HDR 10P VERT BLACK



TE Part #5227699-1
BNC PCB VERTICAL

Documents

Product Drawings

2MM HM,ASY,T-E,REC,TWIST TULIP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-646445-0_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-646445-0_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-646445-0_P.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