

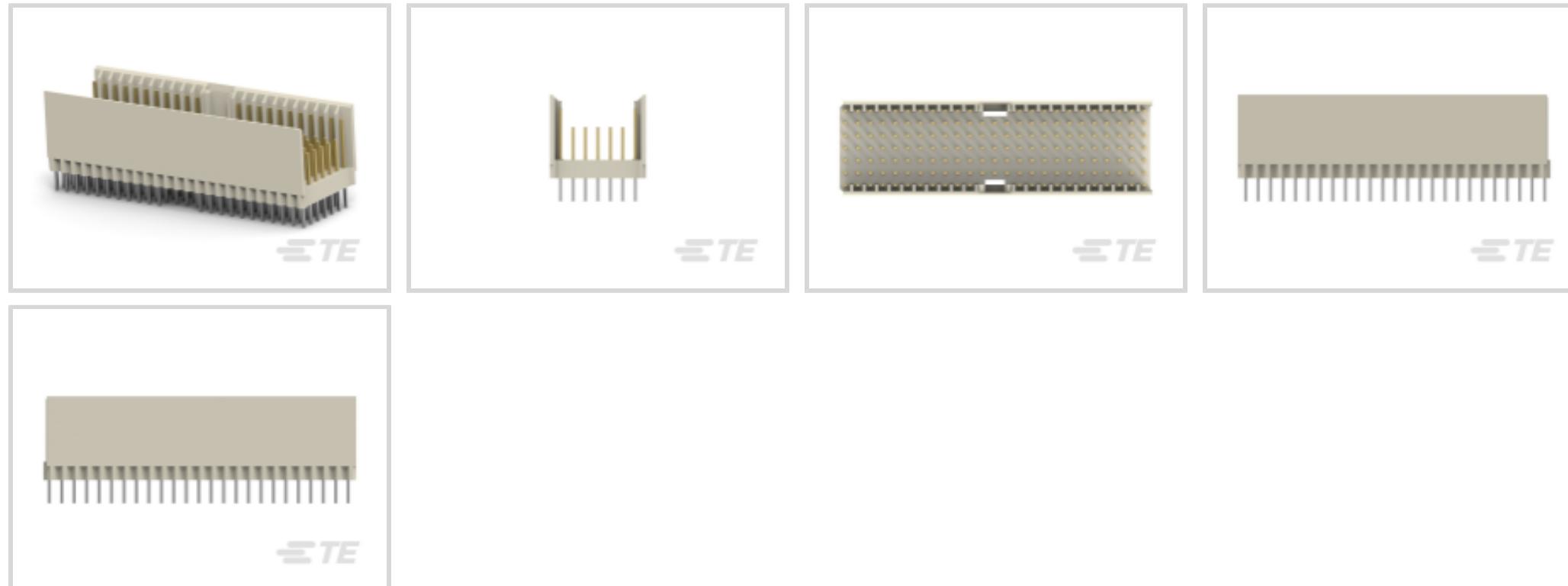
646529-1

✓ ACTIVE

Z-PACK | Z-PACK 2mm HM

TE Internal #: 646529-1

Hard Metric Backplane PCB Mount Header, 1 Gb/s, 25 Column, 7 Row, Traditional Backplane, 169 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 Assembly Type: **PCB Mount Header**Data Rate: **1 Gb/s**Number of Columns: **25**Number of Rows: **7**Backplane Architecture: **Traditional Backplane**

Features

Mechanical Attachment

Connector Mounting Type	Board Mount
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Industry Standards

UL Flammability Rating	UL 94V-0
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Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.38 µm[14.96 µin]
Contact Current Rating (Max)	1.5 A

Packaging Features

Packaging Quantity	10
Packaging Method	Tube

Housing Features

Housing Material	Glass-Filled Polyester
Centerline (Pitch)	2 mm [.079 in]

Product Type Features

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

Signal Characteristics

Data Rate	1 Gb/s
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Configuration Features

Number of Columns	25
Number of Rows	7
Backplane Architecture	Traditional Backplane
Number of Positions	169
PCB Mount Orientation	Vertical

Body Features

Primary Product Color	Gray
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Usage Conditions

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

Circuit Application	Signal
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Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

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 2024

(241)

Candidate List Declared Against: JUNE 2024 (241)

SVHC > Threshold:

Pb (13% in Component Part)

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

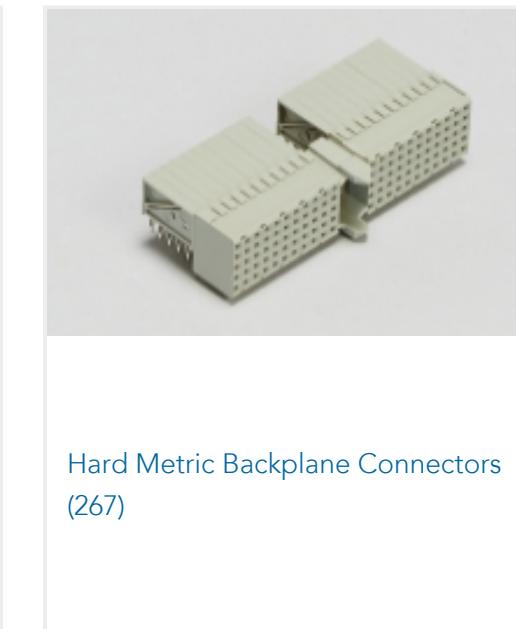
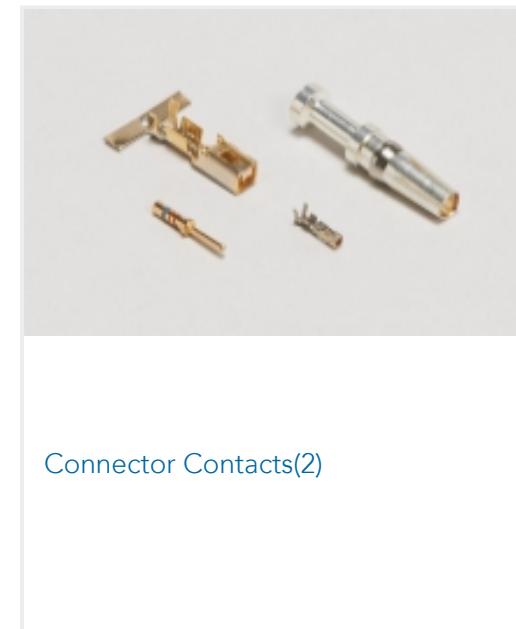
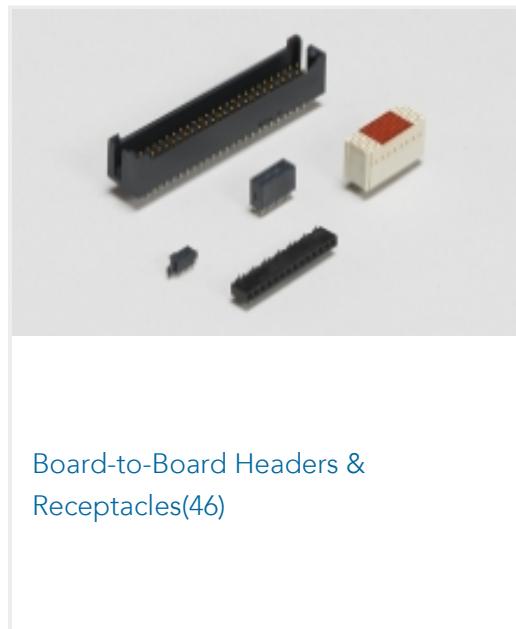
Product Compliance Disclaimer

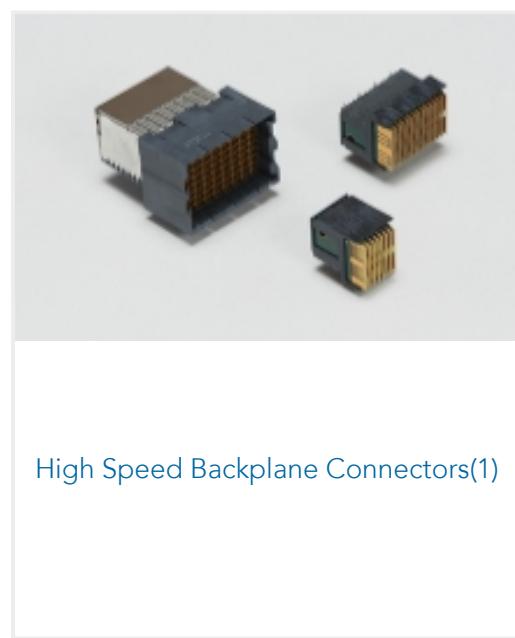
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

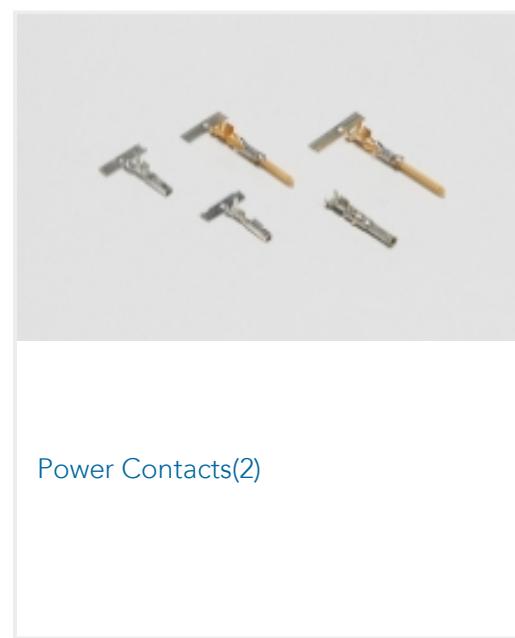


Also in the Series | Z-PACK 2mm HM



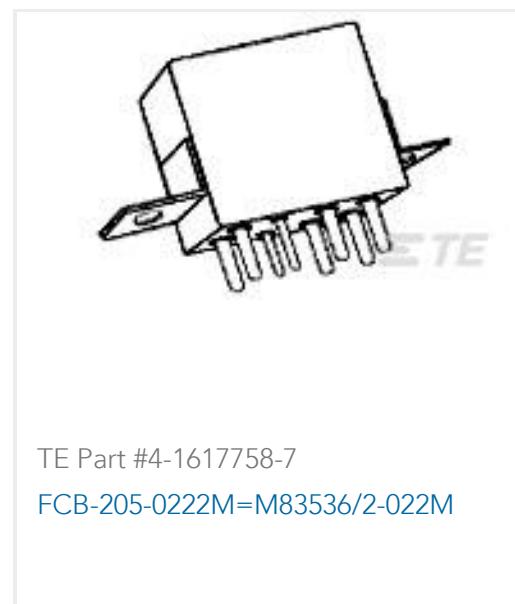


High Speed Backplane Connectors(1)



Power Contacts(2)

Customers Also Bought

TE Part #3-644456-3
03P MTA100 HDR ASSY (NARROW)TE Part #4-1617758-7
FCB-205-0222M=M83536/2-022MTE Part #503123-000
DK-621-0412-STE Part #6469028-1
HM-ZD 2PR RECP 40PTE Part #6469025-1
HM-ZD 2PR HDR 40P 2.5MMTE Part #234062-002
2524E0114-9TE Part #8-1437565-0
FSMCTTR=TACTILE SWITCH T&RTE Part #675714-000
SO96-3-00TE Part #625160-000
D-110-41TE Part #2-1617031-4
HFW1201K46M = M39016/6-209M

Documents

Product Drawings

Z-PACK 2MM HM TYPE A/B 169P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_646529-1_B.2d_dxf.zip

English

Customer View Model

[ENG_CVM_CVM_646529-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_646529-1_B.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