1469286-1 SUPERSEDED

Z-PACK | Z-PACK HM-Zd

TE Internal #: 1469286-1

TE Internal Description: HM-ZD 4PR RECP 96P

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: **96**

Row-to-Row Spacing: **1.5 mm [.059 in]**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Number of Rows: **8**

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Receptacle
Shroud Style	Fully Shrouded

Configuration Features

Number of Pairs	48
Number of Ground Positions	48
Number of Signal Positions	96
Pairs per Column	4
Card Slot Centerline	25.4 mm[1 in]
Number of Positions	96
Number of Rows	8
Number of Columns	12
PCB Mount Orientation	Right Angle
Guide Location	Unguided

Electrical Characteristics

Operating Voltage	250 VAC

Signal Characteristics

Data Rate	≤12 Gb/s

Body Features

Shield Material	Phosphor Bronze
Primary Product Color	Gray

Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Layout	Matrix
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Length	2.2 mm[.087 in]
Contact Base Material	Phosphor Bronze
Contact Type	Receptacle
Contact Current Rating (Max)	.7 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.2 mm[.086 in]

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Width	27.9 mm[1.098 in]
Connector Height	19.35 mm[.761 in]
Connector Length	29.95 mm[1.179 in]
Row-to-Row Spacing	1.5 mm[.059 in]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tube

Product Compliance

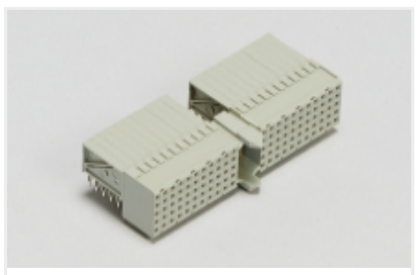
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
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: JUL 2021 (219) 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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

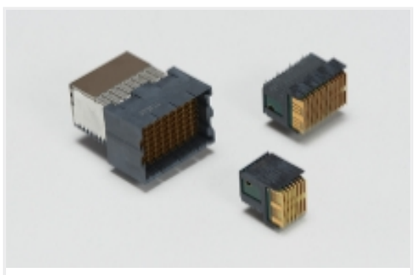
Product Compliance Disclaimer

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

Also in the Series | Z-PACK HM-Zd



Hard Metric Backplane Connectors(1)



High Speed Backplane Connectors(46)



Insertion & Extraction Tools(1)

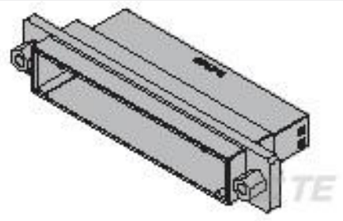
Customers Also Bought



TE Part #50865
SOCKET,MIN-SPR AU SER-4



TE Part #861647-6
RECPT FLANGED H.V. 7 CONTACTS



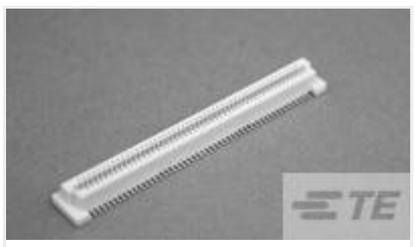
TE Part #1376073-2
DYNAMIC D-2000 TAB ASSY 50P



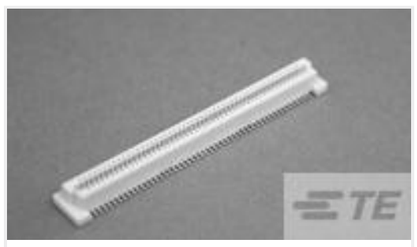
TE Part #8-1622796-9
YR1 0.1% 191K



TE Part #9-1734774-3
PCI EXP 2.3L 64 POS BLK 30u"



TE Part #1735482-3
0.8FH,R17H.5,080,08/Sn,TR,SC



TE Part #1735482-4
0.8FH,R17H.5,100,08/Sn,TR,SC



TE Part #8-1879160-5
RN 0805 8R66 0.1% 10PPM 1K RL



TE Part #1-1879208-4
CPF 0402 36R 0.1% 25PPM 1K RL



TE Part #4-2176230-7
3522 5K6 5% 3W

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1469286-1_F.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1469286-1_F.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1469286-1_F.3d_stp.zip

English

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Product Specifications

Application Specification

English

Application Specification

English