



Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors



Connector System: **Board-to-Board**

Number of Positions: **80**

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

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

### Features

#### Product Type Features

Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Receptacle
Shroud Style	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

#### Configuration Features

Pairs per Column	2
Number of Ground Positions	40
Card Slot Centerline	20.3 mm[.8 in]
Number of Pairs	40
Number of Signal Positions	80
Number of Positions	80
Number of Rows	4
Number of Columns	20
PCB Mount Orientation	Right Angle
Guide Location	Unguided

#### Electrical Characteristics

Operating Voltage	250 VAC
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#### Signal Characteristics

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Data Rate	≤12 Gb/s
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### Body Features

Shield Material	Phosphor Bronze
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### Contact Features

Contact Layout	Matrix
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Contact Type	Receptacle
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Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
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Contact Mating Area Plating Material	Gold
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Contact Base Material	Copper Nickel Silicon
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Contact Current Rating (Max)	.7 A
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### Termination Features

Termination Post & Tail Length	2.2 mm[.086 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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### Mechanical Attachment

Mating Alignment	With
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Mating Alignment Type	Polarization
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Connector Mounting Type	Board Mount
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### Housing Features

Housing Material	Polyester - GF
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Housing Color	Gray
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Centerline (Pitch)	2.5 mm[.098 in]
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### Dimensions

Connector Length	49.95 mm[1.966 in]
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Connector Height	11.35 mm[.446 in]
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Connector Width	18.9 mm[.744 in]
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Row-to-Row Spacing	1.5 mm[.059 in]
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### Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### 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

Out of Scope

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 2022 (224)  
 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, I < 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(2)

## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1469077-1\\_G.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1469077-1\\_G.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1469077-1\\_G.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

#### Application Specification

English