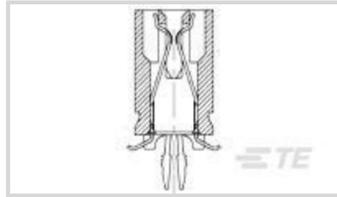




Connectors > PCB Connectors > Card Edge Connectors > PCI & PCI Express Connectors



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

Number of Positions: **184**

Centerline (Pitch): **1.27 mm [.05 in]**

Contact Mating Area Plating Material Thickness: **[30 µin]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of PCB Mount Retention Features	2
Number of Positions	184
PCB Mount Orientation	Vertical
Ejector	Without

Electrical Characteristics

Operating Voltage	203 VAC
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Body Features

PCB Retention Feature Material	Brass
PCB Retention Feature Plating Material	Tin
Product Weight	15.903 g
Bus Width	64 Bit

Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze



	30 µin
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Contact Current Rating (Max)	1.1 A
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Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

PCB Mount Retention Type	Hold-Down Post
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Connector Mounting Type	Board Mount
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Housing Features

Housing Material	High Temperature Thermoplastic
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Centerline (Pitch)	1.27 mm [.05 in]
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Housing Color	Natural
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Dimensions

Connector Length	5.04 mm [.198 in]
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PCB Thickness (Accepted)	.62 mm [.024 in]
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Connector Height	15.49 mm [.61 in]
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Connector Width	.35 mm [.014 in]
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Usage Conditions

Operating Temperature Range	-55 – 85 °C [-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Bus Type	PCI
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Packaging Features

Packaging Quantity	32
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Packaging Method	Box & Carton
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	
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Current ECHA Candidate List: JUNE 2022
(224)

Candidate List Declared Against: JUNE
2022 (224)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900
ppm.

Solder Process Capability

Reflow solder capable to 245°C

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



Documents

Product Drawings

CONNECTOR ASSEMBLY, DUAL POSIT

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_5145113-1_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5145113-1_O.3d_igs.zip](#)

English

5145113-1

PCI & PCI Express Connectors, Board-to-Board, 184 Position, .05 in [1.27 mm]
Centerline, Vertical, Natural, Height 15.49 mm [.61 in]



Customer View Model

[ENG_CVM_5145113-1_O.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