

TE Internal #: 1-5145168-2

PCI & PCI Express Connectors, Board-to-Board, 184 Position, .05 in [1.27 mm] Centerline, Vertical, Natural, Height 13.97 mm [.55 in]

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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]**

Termination Post & Tail Length: **3.56 mm [.14 in]**

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

Features

Product Type Features

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

Configuration Features

Number of PCB Mount Retention Features	3
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	17.65 g
Bus Width	64 Bit

Contact Features



PCB Contact Termination Area Plating Material Thickness	2.537 μ m
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
	30 μ in

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post & Tail Length	3.56 mm[.14 in]

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	128 mm[5.039 in]
PCB Thickness (Accepted)	1.57 mm[.062 in]
Connector Height	13.97 mm[.55 in]
Connector Width	8.88 mm[.35 in]

Usage Conditions

Operating Temperature Range	-55 – 85 $^{\circ}$ C[-67 – 185 $^{\circ}$ 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	35
Packaging Method	Box

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	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	Wave solder capable to 265°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

 <p>TE Part # 5145154-1 CONNECTOR, 60 DUAL POSITION, .</p>	 <p>TE Part # 5-2337939-4 PCIE GEN4 CON,SMT,164POS,30u", MYLAR,HT</p>	 <p>TE Part # 1734774-1 PCI EXP 3.1L 36 POS WHT G/F</p>
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Documents

Product Drawings

STANDARD EDGE .050 SERIES 92 DUAL ASSY

English

CAD Files

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1-5145168-2_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5145168-2_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5145168-2_D.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English