



TE Internal #: 5-2337939-8  
 Board-to-Board, 164 Position, 1 mm [.039 in] Centerline, Vertical,  
 Black, Signal, -40 – 85 °C [-40 – 185 °F], PCI & PCI Express  
 Connectors

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



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

Number of Positions: **164**

PCI Generation: **4**

Centerline (Pitch): **1 mm [.039 in]**

Contact Mating Area Plating Material Thickness: **.76 µm [30 µin]**

## Features

### Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
Sealable	No

### Configuration Features

Number of Positions	164
PCB Mount Orientation	Vertical
Ejector	Without

### Body Features

Primary Product Color	Black
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### Contact Features

Contact Current Rating (Max)	1.1 A
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

### Termination Features

Termination Method to PCB	Surface Mount
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### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Centerline (Pitch)	1 mm [.039 in]
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### Dimensions

PCB Thickness (Accepted)	1.57 mm
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### Usage Conditions

Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Bus Type	PCI Express
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PCI Generation	4
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### Packaging Features

Packaging Method	Box & Tray
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## 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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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



TE Part # 2-1367703-2  
R/A AMC Conn, Style B+, Sn, w/Pegs



TE Part # 1-117169-3  
CARD GUIDE ECON I



TE Part # 2-1367703-1  
R/A AMC Conn, Style B+, SnPb, w/Pegs



TE Part # 5-2349820-4  
PCIEG4, SMT, V, 164P, 30u, ML, HT, OEW



TE Part # 5-2337939-4  
PCIE GEN4 CON, SMT, 164POS, 30u, MYLAR, HT



TE Part # 117249-7  
POST F-THRU 100 C/L PLATED



TE Part # 1-5147490-0  
Next Gen PACE Conn 10 POS 1X2



TE Part # 117249-2  
POST F-THRU 100 C/L PLATED



TE Part # 1-1367703-1  
R/A AMC Conn, Style B+, SnPb, w/H



TE Part # 1367703-2  
R/A AMC Conn Style B+, SN



TE Part # 1734774-1  
PCI EXP 3.1L 36 POS WHT G/F



TE Part # 3-1367703-2  
R/A AMC Conn, Style B+, Sn, w/Hdw



TE Part # 3-5147490-2  
Next Gen PACE Conn 32 POS 1X2



TE Part # 3-1367703-1  
R/A AMC Conn, Style B+, SnPb, w/Hdw, w/Pegs



TE Part # 1367703-1  
R/A AMC Conn, Style B+



TE Part # 118982-1  
KEYING PLUG



TE Part # 1-1367703-2  
R/A AMC Conn,Style B+,Sn,w/Hdw

### Customers Also Bought



TE Part #2204443-1  
MULTI-BEAM HD R/A PLUG 2P



TE Part #2333799-2  
RCPT ASSY, VERT, 168 POS, SLIVER 2.0



TE Part #2-2340321-1  
ASSY STRADDLE MOUNT 168P 093  
SLIVER 2.0



TE Part #2344604-2  
50 AMP CARD EDGE ASSEMBLY



TE Part #2-2347090-1  
SOCKET 4677 DG1.0 FOR ODM



TE Part #1-2351052-5  
LGA4677 E1A ASSY



TE Part #1-2376822-1  
LGA7529 BR1A ASSY



TE Part #6364372-4  
Std USB Type A, R/A, T/H, Black



TE Part #2355331-5  
CAGE ASSY, QSFP28 1X1, SPRING, HS



TE Part #2379420-2  
SOCKET E1 TFLM KIT W/ COVER

### Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5-2337939-8\\_A.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5-2337939-8\\_A.3d\\_igs.zip](#)

English



### Customer View Model

[ENG\\_CVM\\_CVM\\_5-2337939-8\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English

### Agency Approvals

[UL Report](#)

English

[UL Report](#)

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