

5-1734857-1 ✓ ACTIVE

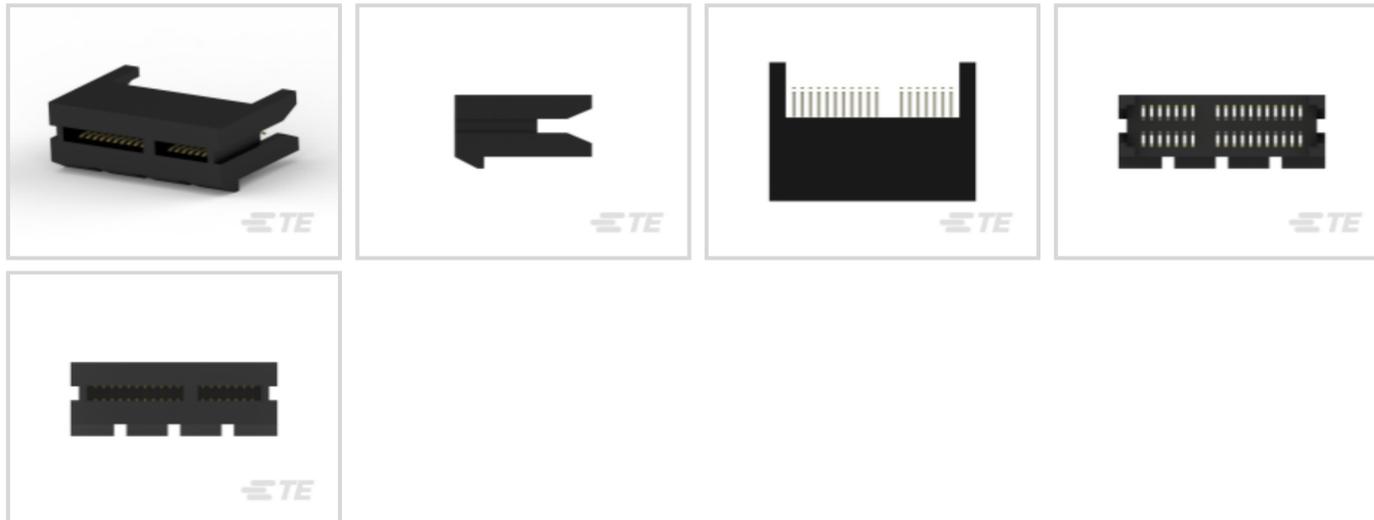
TE Internal #: 5-1734857-1

Board-to-Board, 36 Position, 1 mm [.039 in] Centerline, Straddle Mount, Black, 10 mm [.394 in] Height, 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: **36**

PCI Generation: **2 & 3**

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

Termination Post & Tail Length: **3.93 mm [.16 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	36
PCB Mount Orientation	Straddle Mount
Ejector	Without

Electrical Characteristics

Operating Voltage	50 VAC
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Body Features

Product Weight	2.9 g [.102 oz]
Primary Product Color	Black

Contact Features

Contact Current Rating (Max)	1.1 A
PCB Contact Termination Area Plating Material Thickness	2.54 μ m
Contact Mating Area Plating Material	Gold (Au)



Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Tin
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Thickness	.025 μm [1 μin]
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Termination Features

Termination Method to PCB	Surface Mount
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Termination Post & Tail Length	3.93 mm[.16 in]
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Mechanical Attachment

Connector Mounting Type	Board Mount
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PCB Mount Retention Type	Kinked
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Housing Features

Housing Material	PA 9T GF
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Centerline (Pitch)	1 mm[.039 in]
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Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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PCB Thickness (Accepted)	1.57 mm[.062 in]
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Connector Length	25 mm[.984 in]
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Connector Height	10 mm[.394 in]
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Connector Width	8.8 mm[.346 in]
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Usage Conditions

Operating Temperature Range	-40 – 85 $^{\circ}\text{C}$ [-40 – 185 $^{\circ}\text{F}$]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
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Circuit Application	Signal
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Industry Standards

Bus Type	PCI Express
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PCI Generation	2 & 3
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Packaging Features

Packaging Method	Box & Tray, Tray
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Packaging Quantity	70
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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 # 1734774-1
PCI EXP 3.1L 36 POS WHT G/F



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

Customers Also Bought



TE Part #9-146280-0
40 MODII HDR SRST B/A .100CL



TE Part #1-406525-1
IMJ,NO SHLD,8P,TRAY, SN



TE Part #826926-2
AMPMODU II PIN HEADER



TE Part #1367073-1
20 POS SMT CONN, SFP, 15AU



TE Part #2-1415899-2
RZ03-1C4-D012



TE Part #1676192-1
RN 0805 14K 0.1% 10PPM CUT
LENGTH



TE Part #8-1879213-4
CPF 0402 221R 0.1% 25PPM 1K RL



TE Part #9-2176311-5
RP 1E 0.1W 11K 0.1% 25PPM 1K RL



TE Part #5-2176422-7
TLRP 2512 3.0W R018 1% 50PPM 4K RL



TE Part #CD61013001
44A0111-16-2CK0300

Documents

Product Drawings

[PCI EXP STRADDLE 36P BLK 1u"](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5-1734857-1_B.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5-1734857-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1734857-1_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



[4-1773442-7 Card Edge Connector for PCI Express Applications](#)

English

[Product Specifications](#)

[Product Specification](#)

English

[Product Specification](#)

English