

5-1734857-1 ✓ ACTIVE

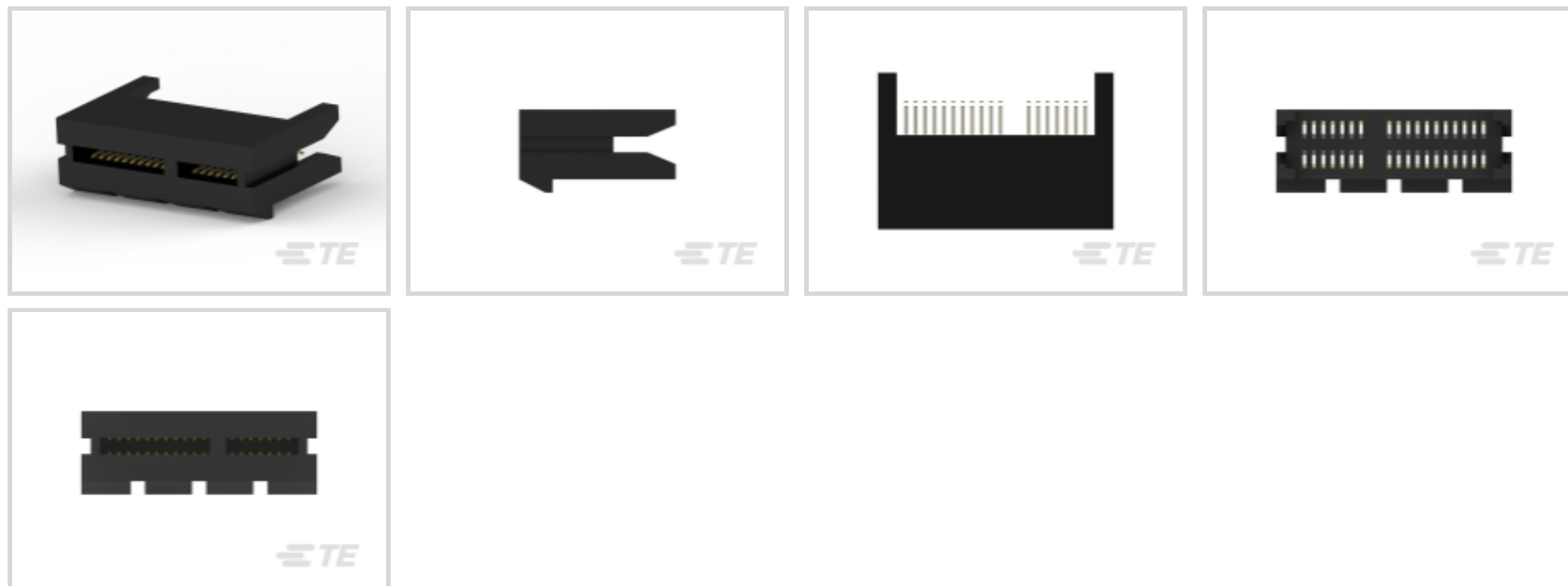
TE Internal #: 5-1734857-1

PCI & PCI Express Connectors, Board-to-Board, 36 Position, .039 in [1 mm] Centerline, Straddle Mount, Black, Height 10 mm [.394 in]

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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 System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit 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]
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### Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 $\mu$ m
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin



Contact Base Material	Phosphor Bronze
	1 µin

Contact Current Rating (Max)	1.1 A
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### Termination Features

Termination Method to Printed Circuit Board	Surface Mount
Termination Post & Tail Length	3.93 mm[.16 in]

### Mechanical Attachment

PCB Mount Retention Type	Kinked
Connector Mounting Type	Board Mount

### Housing Features

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

### Dimensions

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

### Usage Conditions

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

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

### Industry Standards

Bus Type	PCI Express
PCI Generation	2 & 3

### Packaging Features

Packaging Quantity	70
Packaging Method	Box & Tray, Tray

## 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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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



## 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.

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**Datasheets & Catalog Pages**

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

English

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**Product Specifications**

[Product Specification](#)

English

[Product Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance](#)

English

[Product Compliance](#)

English