

1871058-1 ✓ ACTIVE

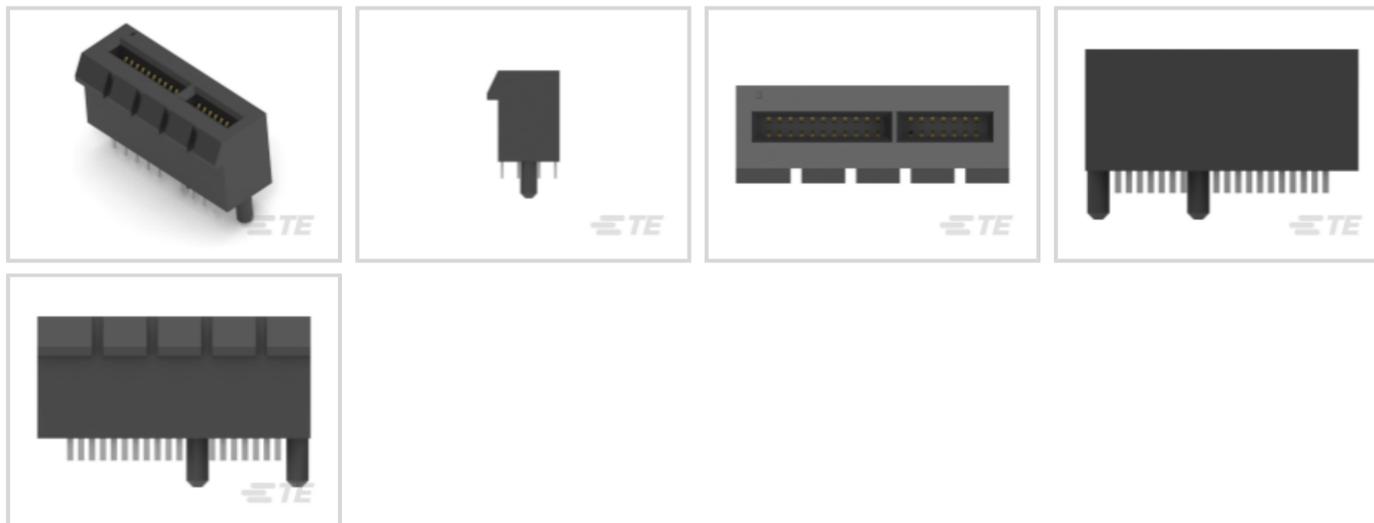


TE Internal #: 1871058-1

PCI & PCI Express Connectors, Board-to-Board, 36 Position, .039 in [1 mm] Centerline, Vertical, Black, Height 11 mm [.433 in], Width 8.88 mm [.35 in]

[View on TE.com >](#)

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: **2 mm [.079 in]**

## 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	36
PCB Mount Orientation	Vertical
Ejector	Without

### Electrical Characteristics

Operating Voltage	50 VAC
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### Body Features

Product Weight	2.863 g
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### Contact Features

PCB Contact Termination Area Plating Material Thickness	.5 $\mu$ 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	Copper Alloy
	30 µin
Contact Current Rating (Max)	1.1 A

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Termination Post & Tail Length	2 mm[.079 in]

### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Housing Material	High Temperature Thermoplastic
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)	1.6 mm[.063 in]
Connector Height	11 mm[.433 in]
Connector Width	8.88 mm[.35 in]

### 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
PCI Generation	2 & 3

### Packaging Features

Packaging Quantity	56
Packaging Method	Box & Tray, Tray

### Product Compliance



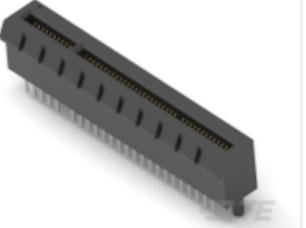
[For compliance documentation, visit the product page on TE.com>](#)

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: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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 # 1-1871058-4 PCI EXPRESS CONN. EON TYPE, 16</p>	 <p>TE Part # 1-1871058-3 PCI EXPRESS CONN. EON TYPE, 98</p>	 <p>TE Part # 5-2337939-4 PCIE GEN4 CON,SMT,164POS,30u", MYLAR,HT</p>	 <p>TE Part # 1-1871058-1 PCI EXPRESS CONN. EON TYPE, 36P, L=3.25</p>
 <p>TE Part # 1-1871058-2 PCI EXPRESS CONN. EON TYPE, 64P, L=3.25</p>	 <p>TE Part # 1-1871058-5 PCI EXPRESS CONN. EON TYPE, 280P, L=3.25</p>	 <p>TE Part # 1734774-1 PCI EXP 3.1L 36 POS WHT G/F</p>	



## Documents

### Product Drawings

[PCI EXPRESS CONN. EON TYPE, 36P, L=2.0](#)

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1871058-1\\_E.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1871058-1\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1871058-1\\_E.3d\\_stp.zip](#)

English

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

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### Product Specifications

#### Product Specification

English

#### Product Specification

Japanese

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### Product Environmental Compliance

[MD\\_1871058-1\\_08082018522\\_dmtec](#)

English

[MD\\_1871058-1\\_08082018522\\_dmtec](#)

English