

1871058-3

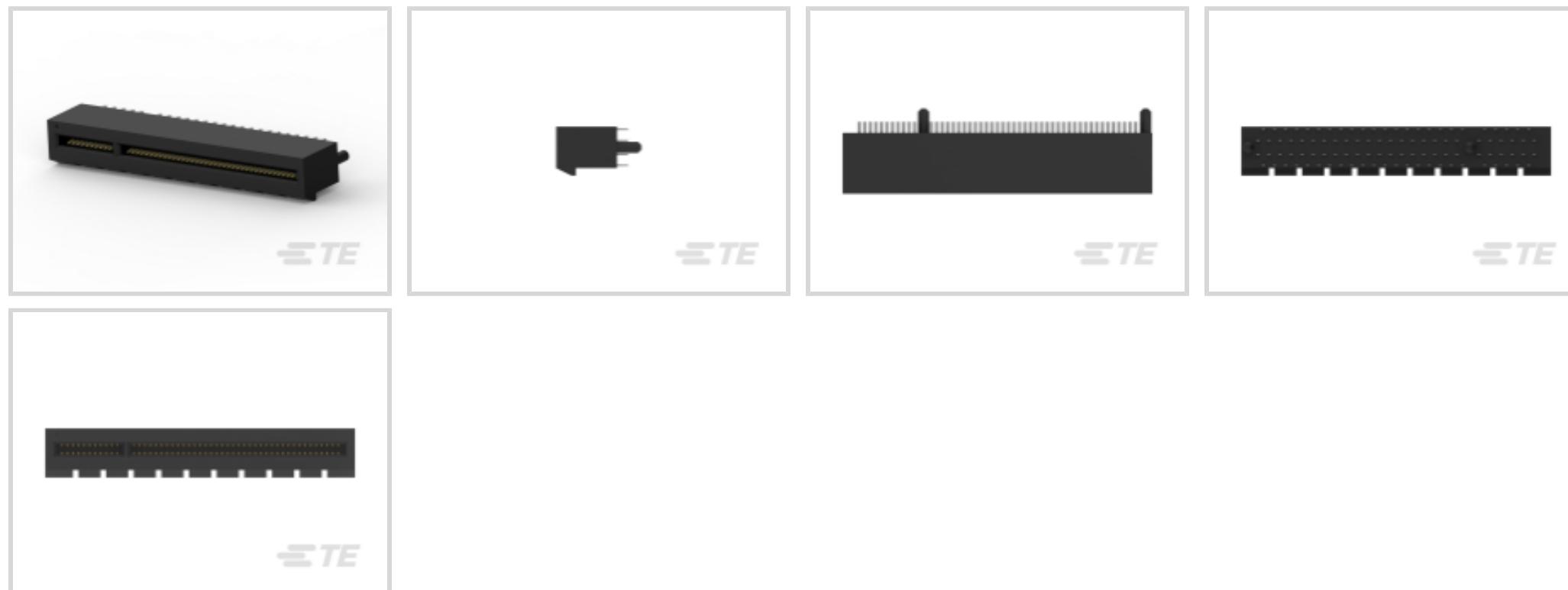
✓ ACTIVE

TE Internal #: 1871058-3

Board-to-Board, 98 Position, 1 mm [.039 in] Centerline, Vertical, Black, Height 11 mm [.433 in], Width 8.88 mm [.35 in], 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: **98**PCI Generation: **2 & 3**Centerline (Pitch): **1 mm [.039 in]**Termination Post & Tail Length: **2 mm [.079 in]**

Features

Mechanical Attachment

Connector Mounting Type

Board Mount

Electrical Characteristics

Operating Voltage

50 VAC

Packaging Features

Packaging Method

Tray, Box & Tray

Packaging Quantity

40

Dimensions

PCB Thickness (Recommended)

1.6 mm [.063 in]

PCB Thickness (Accepted)

1.57 mm [.062 in]

Connector Length

56 mm [2.205 in]

Connector Height

11 mm [.433 in]

Connector Width

8.88 mm [.35 in]

Body Features

Product Weight

2.863 g

Primary Product Color	Black
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Contact Features

Contact Current Rating (Max)	1.1 A
PCB Contact Termination Area Plating Material Thickness	.5 µm
Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
PCB Contact Termination Area Plating Material Finish	Matte
	30 µin

Termination Features

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

Housing Features

Housing Material	High Temperature Thermoplastic
Centerline (Pitch)	1 mm [.039 in]

Industry Standards

Bus Type	PCI Express
PCI Generation	2 & 3

Configuration Features

Number of PCB Mount Retention Features	2
Number of Positions	98
PCB Mount Orientation	Vertical
Ejector	Without

Product Type Features

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

Usage Conditions

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

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

	
TE Part # 5-2337939-4 PCIE GEN4 CON,SMT,164POS,30u", MYLAR,HT	TE Part # 1734774-1 PCI EXP 3.1L 36 POS WHT G/F

Customers Also Bought

TE Part #1-2176070-3
3521 33R 1% 2WTE Part #7-5179180-3
0.8FH,R09H.5,080,30/Sn,TR,SCTE Part #2007263-1
SFP+ 1x2 Cage AssemblyTE Part #292304-1
STD USB TYPE B, R/A, T/HTE Part #640388-2
02P MTA156 HDR ASSY RN STR F/LTE Part #2057417-1
IMP100S,R,RA4P8C,UG,39TE Part #5787745-3
USB A R/A STAK ASSY THRU HOLETE Part #1-5406203-2
MJ,ASSY,4P,8POS,CAT5,PNL TABS,1S/TTE Part #4-644759-2
12P MTA156 HDR ASSY STR LFTE Part #2204167-1
MBXLE R/A RCPT,A/C PASS THRU 4ACP+12S+3P

Documents

Product Drawings

PCI EXPRESS CONN. EON TYPE, 98

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1871058-3_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1871058-3_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1871058-3_E.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Pressfit Card Edge Connector for PCI Express Applications Datasheet 2-1773443-3](#)

English

[Product Specifications](#)

[Product Specification](#)

English

[Product Specification](#)

Japanese