



TE Internal #: 1-1871058-3  
Board-to-Board, 98 Position, 1 mm [.039 in] Centerline, Vertical,  
Black, 11 mm [.433 in] Height, 8.88 mm [.35 in] Width, PCI & PCI  
Express Connectors  
[View on TE.com >](#)

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



Connector System: **Board-to-Board**  
Number of Positions: **98**  
PCI Generation: **2**  
Centerline (Pitch): **1 mm [.039 in]**  
Termination Post & Tail Length: **3.25 mm [.128 in]**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	50 VAC
-------------------	--------

Body Features

Product Weight	2.863 g
Primary Product Color	Black

Contact Features

Contact Current Rating (Max)	1.1 A
------------------------------	-------



PCB Contact Termination Area Plating Material Thickness	.5 µm
Contact Mating Area Plating Material	Gold (Au)
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	3.25 mm[.128 in]

Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

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

Dimensions

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]

Usage Conditions

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

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

Bus Type	PCI Express
PCI Generation	2

Packaging Features

Packaging Method	Box & Tray, Tray
Packaging Quantity	40

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: JAN 2025 (247) 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

TE Part # 1871058-1  
PCI EXPRESS CONN. EON TYPE, 36P, L=2.0

Customers Also Bought

TE Part #1676167-1  
RN 0805 121R 0.1% 10PPM CUT LENGTH

TE Part #6-1734857-5  
PCI EXP STRADDLE 64P BLK 30u"

TE Part #5-1775444-3  
EMIX CONN., 1.5MM PITCH, HDR, R /A, 3P

TE Part #6-104068-5  
72 SYSTEM 50 HDR DRST SHRD



TE Part #2825261-4  
4P VAL-U-LOK HCS VRT HDR W/P V0

TE Part #5-104895-5  
50 50/50 GRID RA HDR W/LTCH LF

TE Part #1676194-1  
RN 0805 150R 0.1% 10PPM CUT LENGTH

TE Part #1-1926739-8  
AssyMinipak HdI25s8pRARecptSc

TE Part #6450370-5  
MBXL R/A RCPT 3ACP+24S+4P

TE Part #6-1624108-3  
3640 0402 7.2nH +/-0.2nH 1K RL

Documents

Product Drawings  
PCI EXPRESS CONN. EON TYPE, 98  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_1-1871058-3\_E.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_1-1871058-3\_E.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_1-1871058-3\_E.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications  
Product Specification  
English  
CT AMP-IN Headers, 2mm Pitch, M/T V & H  
English  
Product Specification  
Japanese