TE Internal #: 1-1871058-3

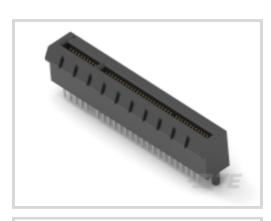
Board-to-Board, 98 Position, 1 mm [.039 in] Centerline, Vertical, Black, 11 mm [.433 in] Height, 8.88 mm [.35 in] Width, PCI & PCI

**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	

1.1 A

Contact Current Rating (Max)



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]
PCB Thickness (Accepted)  Connector Length	1.57 mm[.062 in] 56 mm[2.205 in]
Connector Length	56 mm[2.205 in]
Connector Length  Connector Height	56 mm[2.205 in] 11 mm[.433 in]
Connector Length  Connector Height  Connector Width	56 mm[2.205 in] 11 mm[.433 in]
Connector Length  Connector Height  Connector Width  Usage Conditions	56 mm[2.205 in]  11 mm[.433 in]  8.88 mm[.35 in]
Connector Length  Connector Height  Connector Width  Usage Conditions  Operating Temperature Range	56 mm[2.205 in]  11 mm[.433 in]  8.88 mm[.35 in]
Connector Length  Connector Height  Connector Width  Usage Conditions  Operating Temperature Range  Operation/Application	56 mm[2.205 in]  11 mm[.433 in]  8.88 mm[.35 in]  -40 - 85 °C[-40 - 185 °F]
Connector Length  Connector Height  Connector Width  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application	56 mm[2.205 in]  11 mm[.433 in]  8.88 mm[.35 in]  -40 - 85 °C[-40 - 185 °F]
Connector Length  Connector Height  Connector Width  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Industry Standards	56 mm[2.205 in]  11 mm[.433 in]  8.88 mm[.35 in]  -40 – 85 °C[-40 – 185 °F]  Signal
Connector Length  Connector Height  Connector Width  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Industry Standards  Bus Type	56 mm[2.205 in]  11 mm[.433 in]  8.88 mm[.35 in]  -40 – 85 °C[-40 – 185 °F]  Signal  PCI Express
Connector Length  Connector Height  Connector Width  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Industry Standards  Bus Type  PCI Generation	56 mm[2.205 in]  11 mm[.433 in]  8.88 mm[.35 in]  -40 – 85 °C[-40 – 185 °F]  Signal  PCI Express

40

### **Product Compliance**

Packaging Quantity

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**



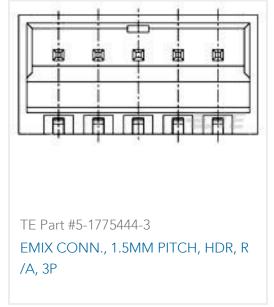




## Customers Also Bought























### **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