

TE Internal #: 1871058-2
Board-to-Board, 64 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: **64**
PCI Generation: **2 & 3**
Centerline (Pitch): **1 mm [.039 in]**
Termination Post & Tail Length: **2 mm [.079 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	64
PCB Mount Orientation	Vertical
Ejector	Without

Electrical Characteristics

Operating Voltage	50 VAC
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Body Features

Product Weight	2.863 g
Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Thickness	.5 µm
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



Contact Current Rating (Max)	1.1 A
	30 μin

Termination Features

Termination Method to PCB	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]

Dimensions

Connector Length	39 mm[1.535 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	40
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 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 #1623788-7
SQM5 15R 5% (WIRE)

TE Part #6-2176070-4
3521 4K3 1% 2W

TE Part #2013499-1
MICRO USB, TYPE B

TE Part #ZPF000000000000570
020-0511-20





TE Part #4-1879215-7
CPF 0402 13K3 0.1% 25PPM 1K RL



TE Part #7-1879214-2
CPF 0402 2K05 0.1% 25PPM 1K RL



TE Part #8-1879214-7
CPF 0402 2K94 0.1% 25PPM 1K RL



TE Part #1879130-9
RN 0402 2K8 0.1% 10PPM 5K RL



TE Part #ZPF0000000000003594
724-0001-22

TE Part #605837-ZZ
TOOL INS-REM

Documents

Product Drawings

PCI EXPRESS CONN. EON TYPE, 64P, L=2.0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1871058-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1871058-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1871058-2_E.3d_stp.zip

English

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Product Specifications

Product Specification

Japanese

Product Specification

English