1871058-2 ✓ ACTIVE

TE Internal #: 1871058-2

PCI & PCI Express Connectors, Board-to-Board, 64 Position, .039 in [1 mm] Centerline, Vertical, Black, Height .433 in [11 mm], Width .35 in [8.88 mm]

View on TE.com >

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

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

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| | 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 |

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] |

Operation/Application

| Circuit Application | Signal |

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

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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 #1857989-1
Z-PACK/A F-HDR.110P EON

TE Part #5084618-4
0.8FH,R13H.5,100,30/Sn,TR,SC

TE Part #2143154-2
IMP100S,H,V5P14C,LG,REW39,4.9

TE Part #2178531-4
Crown Clip Junior AG Plating Reflow

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TE Part #2204167-1
MBXLE R/A RCPT,A/C PASS THRU
4ACP+12S+3P

TE Part #1367627-8
light pipe assy, 1x1 sfp

TE Part #2159942-1
CA POWER CORDE

TE Part #2402216-1
ZSFP+ 1X4 CAGE ASSEMBLY,
PRESSFIT, 1-LP

TE Part #3-2323270-1
zSFP+ STACKED BELLY TO BELLY,
2X8 RECPT

TE Part #6-1775855-4
RJ45 OVER USB W/ LED G/Y 50u" Au

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

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

Product Specifications

Product Specification

English

Product Specification

Japanese

Product Environmental Compliance

Product Compliance

English

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Product Compliance

English