



TE Internal #: 1-1871058-4
Board-to-Board, 164 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: **164**
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 | 164 |
| 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 |
| Contact Current Rating (Max) | 1.1 A |
| | 30 µin |

Termination Features

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|--------------------------------|--------------------------|
| 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

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

Dimensions

| | |
|--------------------------|------------------|
| Connector Length | 89 mm[3.504 in] |
| PCB Thickness (Accepted) | 1.57 mm[.062 in] |
| Connector Height | 11 mm[.433 in] |
| Connector Width | 8.88 mm[.35 in] |

Usage Conditions

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|-----------------------------|---------------------------|
| 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 Quantity | 30 |
| 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 # 1871058-1
PCI EXPRESS CONN. EON TYPE, 36P, L=2.0




TE Part # 5-2337939-4
PCIE GEN4 CON,SMT,164POS,30u", MYLAR,HT

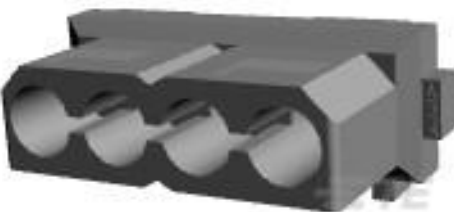


TE Part # 1734774-1
PCI EXP 3.1L 36 POS WHT G/F

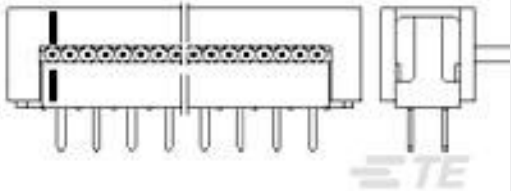
Customers Also Bought




TE Part #9-1393211-4
T92S11D22-24



TE Part #794287-1
04P CMNL HDR ASSY BLK HT



TE Part #4-216791-0
AMP LATCH D/P ASSY



TE Part #9-1879215-7
CPF 0402 46K4 0.1% 25PPM 1K RL



TE Part #1676186-2
RN 0805 143K 0.1% 10PPM 1KRL

TE Part #5-103957-4
4X5 MTE RCPT SR LATCH .100CL

TE Part #4-175643-2
1.25FP,P12,DL,B,N,TU,5.00,6.90

TE Part #YDTS32F23NV0010000
DUST COVER ASSEM

TE Part #YDTS32F21RV0010000
DTS CAP ASSY, NICKEL, SIZE 21 PLUG

TE Part #G-TPCO-031
Analog Thermopile TO-18, FOV 110, RTD Ref

Documents

Product Drawings

PCI EXPRESS CONN. EON TYPE, 16

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1871058-4_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1871058-4_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1871058-4_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

Japanese