



TE Internal #: 7-1734774-3  
PCI & PCI Express Connectors, Cable-to-Board, 164 Position, .039 in [1 mm] Centerline, Vertical, Black, Height .394 in [10 mm], Width .346 in [8.8 mm]  
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Connectors > PCB Connectors > Card Edge Connectors > PCI & PCI Express Connectors



Connector System: **Cable-to-Board**  
Number of Positions: **164**  
PCI Generation: **2**  
Centerline (Pitch): **1 mm [ .039 in ]**  
Termination Post & Tail Length: **3.1 mm [ .122 in ]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector System                  | Cable-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        | 8.8 g[.31 oz] |
| Primary Product Color | Black         |

Contact Features

|   |         |
|---|---------|
| PCB Contact Termination Area Plating Material Thickness | 2.54 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                                | Phosphor Bronze |
| Contact Current Rating (Max)                         | 1.1 A           |
|  | 30 μin          |

Termination Features

|   |                       |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post & Tail Length              | 3.1 mm[.122 in]       |

Mechanical Attachment

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

Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | PA 46         |
| Centerline (Pitch) | 1 mm[.039 in] |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Length            | 89 mm[3.504 in]  |
| PCB Thickness (Accepted)    | 1.57 mm[.062 in] |
| PCB Thickness (Recommended) | 2.39 mm[.094 in] |
| Connector Height            | 10 mm[.394 in]   |
| Connector Width             | 8.8 mm[.346 in]  |

Usage Conditions

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

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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Wave solder capable to 265°C  |

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 # 8-2176070-9  
SMD Power Resistor: 2 Watt, 3521  
Series

TE Part # 1-2176168-0  
TLR 2010 1.5W R010 1% 50PPM 2K RL

TE Part # 1410186-1  
MULTIGIG RT T2 .8" BP H-LFT

TE Part # 1410140-1  
MULTIGIG RT T2 .8" BP FULL CNT



TE Part # 8-2176087-3  
RP 1J 0.166W 499R 0.1% 25PPM 1K RL

TE Part # 3-2176347-7  
CRGCO 2010 10K 1%

TE Part # 5-1462037-9  
IM43GR=IM RELAY 100mW 5V BIS

TE Part # 2129320-3  
Mini Displayport Reverse Offset

TE Part # CONSMA007-R58  
SMA Plug 50 Ohm Cable Crimp

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_7-1734774-3\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-1734774-3\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-1734774-3\_F.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

AMP EI Series, Connector

Japanese

Product Specification

Japanese

Product Specification

English