



TE Internal #: 2-2371900-4  
Board-to-Board, 164 Position, 1 mm [.04 in] Centerline, Vertical,  
Black, Height 11.25 mm [.44 in], Width 7.4 mm [.29 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: **5**  
Centerline (Pitch): **1 mm [ .04 in ]**  
Termination Post & Tail Length: **.7 mm [ .028 in ]**

Features

Mechanical Attachment

|                          |             |
|--------------------------|-------------|
| Connector Mounting Type  | Board Mount |
| PCB Mount Retention Type | Tab         |

Contact Features

|                              |        |
|------------------------------|--------|
| Contact Current Rating (Max) | 1.1 A  |
|                              | 30 µin |

Termination Features

|                                |                |
|--------------------------------|----------------|
| Termination Method to PCB      | Surface Mount  |
| Termination Post & Tail Length | .7 mm[.028 in] |

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector System                  | Board-to-Board        |
| Sealable                          | No                    |

Configuration Features

|                     |     |
|---------------------|-----|
| Number of Positions | 164 |
|---------------------|-----|



|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Ejector               | Without  |

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Housing Features

|                    |              |
|--------------------|--------------|
| Centerline (Pitch) | 1 mm[.04 in] |
|--------------------|--------------|

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Height | 11.25 mm[.44 in] |
| Connector Width  | 7.4 mm[.29 in]   |

Usage Conditions

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

Operation/Application

|                     |                 |
|---------------------|-----------------|
| Circuit Application | High Speed Data |
|---------------------|-----------------|

Industry Standards

|                |   |
|----------------|---|
| PCI Generation | 5 |
|----------------|---|

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                             |
| Solder Process Capability                     | Not reviewed 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



Documents

Product Drawings  
PCIE G5 CON,SMT,SLIM,164P,30" ,WO ML,HT  
English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_2-2371900-4\_A.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2-2371900-4\_A.3d\_stp.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2-2371900-4\_A.2d\_dxf.zip  
English

3D PDF  
3D

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

Product Specifications  
Application Specification  
English