



TE Internal #: 4-2337939-4
Board-to-Board, 164 Position, 1 mm [.039 in] Centerline, Vertical,
Black, Signal, -40 – 85 °C [-40 – 185 °F], 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: **4**
Centerline (Pitch): **1 mm [.039 in]**
Contact Mating Area Plating Material Thickness: **[15 µin]**

Features

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

Connector Mounting Type	Board Mount
PCB Mount Retention Type	SMT Hold-Down

Dimensions

PCB Thickness (Accepted)	1.57 mm
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Packaging Features

Packaging Method	Box & Tray
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Contact Features

Contact Current Rating (Max)	1.1 A
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
	15 µin

Industry Standards

Bus Type	PCI Express
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PCI Generation	4
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Configuration Features

Number of PCB Mount Retention Features	2
Number of Positions	164
PCB Mount Orientation	Vertical
Ejector	Without

Product Type Features

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

Body Features

Primary Product Color	Black
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Housing Features

Centerline (Pitch)	1 mm [.039 in]
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Usage Conditions

Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]
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Operation/Application

Circuit Application	Signal
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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) Candidate List Declared Against: JUNE 2024 (241) 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>

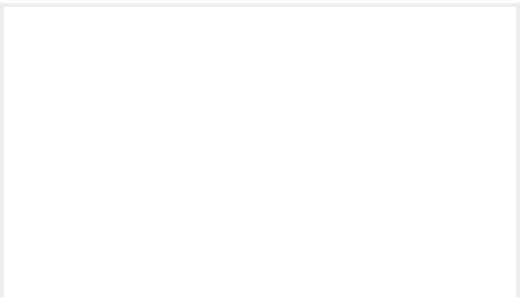
Compatible Parts



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



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

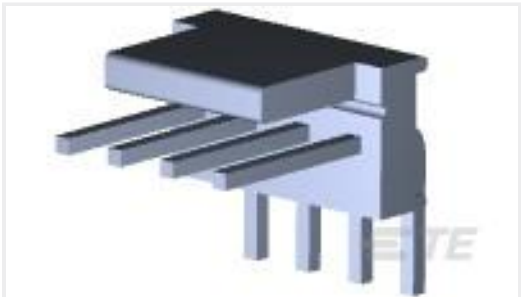


TE Part # 4-2358477-4
PCIEG4,SMT,V,164POS,15u,ML,HT,SC

Customers Also Bought



TE Part #6609103-6
PM050DH60=C1239



TE Part #640455-4
04P MTA100 HDR ASSY SQ R/A POL



TE Part #5535043-5
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part #1-770858-1
10P MINI UMNL HDR ASSY AU LF



TE Part #1-770874-1
04P MINI UMNL HDR ASSY AU LF



TE Part #2007198-1
SFP+ 1x1 Cage Assembly, Press-



TE Part #CON SMA001-SMD-G
SMA Jack 50 Ohm PCB Surface Mount



TE Part #1860990-1
RT78601, RELAY SOCKET PCB 3.5MM



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2337939-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2337939-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2337939-4_A.3d_stp.zip

English

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

Product Specifications

AMP Mass-Termination "EI" Series Connector

English

Product Specification

English

Product Specification

English

Agency Approvals

UL Report

English