5-2337939-4 ✓ ACTIVE

TE Internal #: 5-2337939-4

Board-to-Board, 164 Position, 1 mm [.039 in] Centerline, Vertical, Black, Signal, -40 – 85 °C [-40 – 185 °F], PCI & PCI Express Connectors

View on TE.com >

Connector System: Board-to-Board

Number of Positions: 164

PCI Generation: 4

Centerline (Pitch):   1 mm [.039 in]

Contact Mating Area Plating Material Thickness: .76 µm [30 µin]

Features

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

Contact Features

Contact Current Rating (Max)	1.1 A
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

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

Housing Features

Centerline (Pitch)	1 mm[.039 in]

Dimensions

PCB Thickness (Accepted)	1.57 mm

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

Bus Type	PCI Express
PCI Generation	4

Packaging Features

Packaging Method	Box & 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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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

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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 # 2364834-2
PCI EXP 3.1 164 POS BLK 15u",SLOT CHANGE

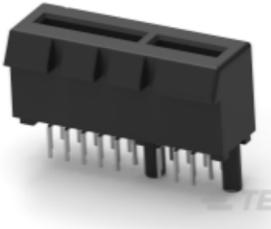TE Part # 5-2358477-4
PCIEG4,SMT,V,164POS,30u,ML,HT,SC

TE Part # 2041242-2
PCI-E Card Edge, 164 Pos, 15u"

TE Part # 2-1734774-3
PCI EXP 3.1L 164 POS WHT 30u"

TE Part # 2041612-2
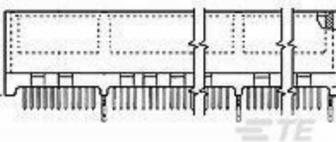PCI-E Card Edge,98P,Vertical,DIP,SLIM

TE Part # 2331296-2
PCI-E CARD EDGE, 36 POS, 15U", T&R

TE Part # 4-1761465-3
pci expres ra assy 5.8mm thu hole 3.56 mm

TE Part # 1489982-2
AMP .050C/L CEC 25 DUAL POS S

TE Part # 5145168-2
CONNECTOR ASSEMBLY, DUAL POSIT

TE Part # 1-1775793-3
PCI-E 164P w/ L_BLK_Latch 30u" Au

TE Part # 1-1775793-6
PCI-E 164P w/ L_WHT_Latch 30u" Au

TE Part # 1775793-3
PCI-E 164P w/ R_BLK_Latch 30u" Au

TE Part # 4-1734774-7
PCI EXP 2.3L 164 POS WHT 30u"

TE Part # 2-1734774-5
PCI EXP 2.3L 36 POS WHT G/F

TE Part # 4-1734774-6
PCI EXP 2.3L 98 POS BLK 30u"

TE Part # 1775217-1
1.0mm PCI Express,280Pos,15u"

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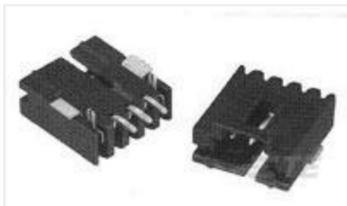
TE Part # 1775217-2
1.0mm PCI Express,280Pos,30u"
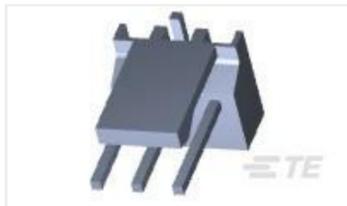
TE Part # 1-1775835-1
PCI-X, 26P, L=2.3, G/F

TE Part # 5-1775801-2
PCI EXP.164P(TAIL 2.3H)(AU15u"

TE Part # 1-2309846-6
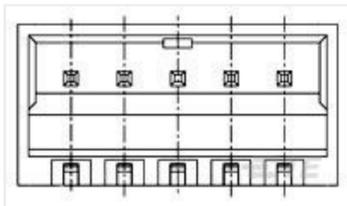PCI EXP 3.1L 164 POS BLK 15u"

Customers Also Bought
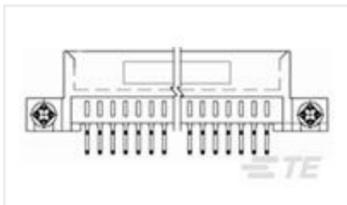
TE Part #5-147323-2
03 MTE HDR SRRA SMT.100CL
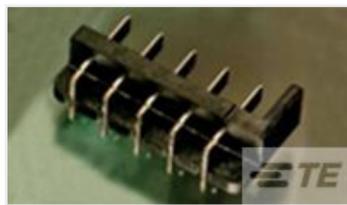
TE Part #3-647167-3
03P MTA100 HDR ASSY SM 15AU LF

TE Part #5-1775444-6
EMIX CONN., 1.5MM PITCH, HDR, R/A, 6P

TE Part #6-2383427-7
ASSY STRADDLE 168P 076 SLIVER WITH TAPE

TE Part #5145089-1
CONN SEC II 12 POS 100 C/L R/A

TE Part #5787428-1
HDR ASY,RA,LKEY,STR TAIL,12.0V

TE Part #6339082-3
LED STK MJ ASSY,2X4,8 POS,CAT5

TE Part #3-2170740-1
QSFP28, 1X3, CAGE ASSY, SPRING, HS, LP

TE Part #6-2392860-1
DDR5 DIMM SMT Natural HSG & Natura latch

TE Part #2468000-2
MULTI-BEAM HEIGHT

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-2337939-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-2337939-4_A.3d_igs.zip

English

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Customer View Model

ENG_CVM_CVM_5-2337939-4_A.3d_stp.zip

English

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Product Specifications

Product Specification

English

Product Specification

English

Agency Approvals

UL Report

English

UL Report

English