

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 >](#)



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: **.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
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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]
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Dimensions

PCB Thickness (Accepted)	1.57 mm
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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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Industry Standards

Bus Type	PCI Express
PCI Generation	4

Packaging Features

Packaging Method	Box & Tray
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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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1-1775801-4
PCI EXPRESS 36P(3.1)(G/F)BLACK



TE Part # 4-1775801-1
PCI EXP.164P(2.3)(G/F)BLACK



TE Part # 2041554-2
PCI-E, 98 P,G/F, 2.3L, DIP, Low End Wall



TE Part # 5-1761465-1
pci expres ra assy 5.8mm thu hole 3.56 mm



TE Part # 2041612-4
PCI-E Card Edge,164P,Vertical,DIP, SLIM



TE Part # 1-1775793-2
PCI-E 164P w/ L_BLK_Latch 15u" Au



TE Part # 3-1734774-3
PCI EXP 2.3L 98 POS WHT G/F



TE Part # 3-1734774-8
PCI EXP 2.3L 164 POS WHT 15u"



TE Part # 1-1734774-5
PCI EXP 3.1L 164 POS BLK G/F



TE Part # 3-1734774-1
PCI EXP 2.3L 64 POS BLK G/F



TE Part # 2-1367703-2
R/A AMC Conn,Style B+,Sn,w/Pegs



TE Part # 3-1734774-0
PCI EXP 2.3L 64 POS WHT 15u"



TE Part # 3-1734774-5
PCI EXP 2.3L 98 POS BLK G/F



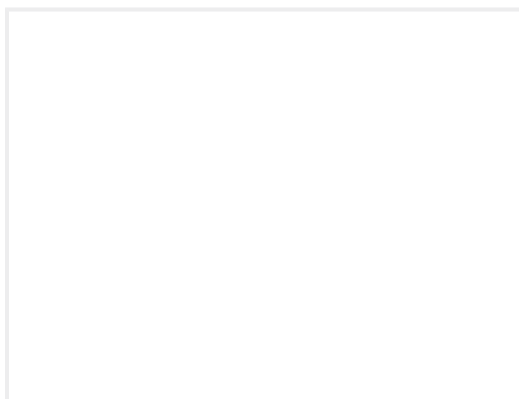
TE Part # 6-1734857-1
PCI EXP STRADDLE 64P BLK 1u"



TE Part # 5-1761465-3
pci expres ra assy 5.8mm thu hole 3.56 mm



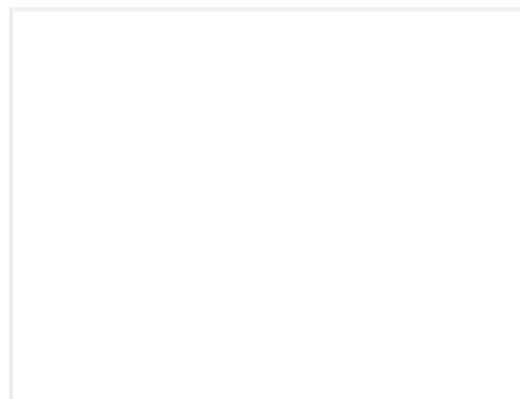
TE Part # 2331296-3
PCI-E CARD EDGE, 36 POS, 30U", T&R

TE Part # 6-1775801-2
PCI EXP.164P(TAIL 2.3H)(AU15u"



TE Part # 4-1734774-3
PCI EXP 2.3L 64 POS WHT 30u"



TE Part # 1775833-1
PCI-E 164P Losing Pin, 2.3L, Dip, G/F

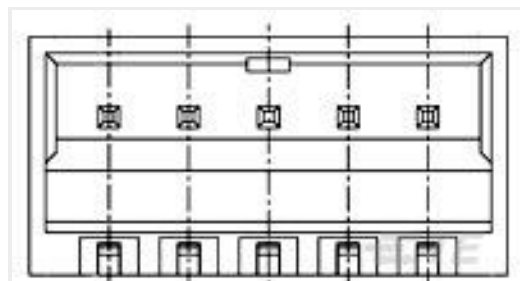


TE Part # 1-2344054-2
PCIe Gen3.0 SMT conn 30u" Au, Tray

Customers Also Bought



TE Part #2-1775210-1
D-SUB 5.08mm,9 POS PLUG OVER 15 POS RCPT



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



TE Part #2007435-1
Std HDMI, Flag, T/H



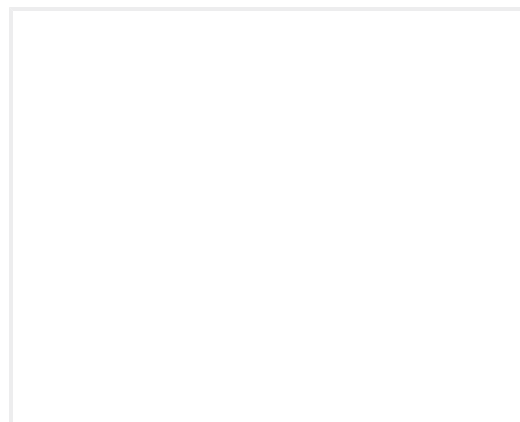
TE Part #2041307-2
RJ45, SHIELDED, OFFSET, DIP, 30U', H=8.2



TE Part #2170704-4
CAGE ASSY, QSFP28 1X1, SPRING, HS



TE Part #2372928-2
QSFP112 Receptacle Assembly, Au, Washer



TE Part #2488054-7
POWER NUT M6



TE Part #5536019-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-FREE,96 PO



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



TE Part #2329851-8
SFP+ 1X1 CAGE ASSY, SOLDR TAIL, FLAT BOT

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



Customer View Model

[ENG_CVM_CVM_5-2337939-4_A.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

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Agency Approvals

[UL Report](#)

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