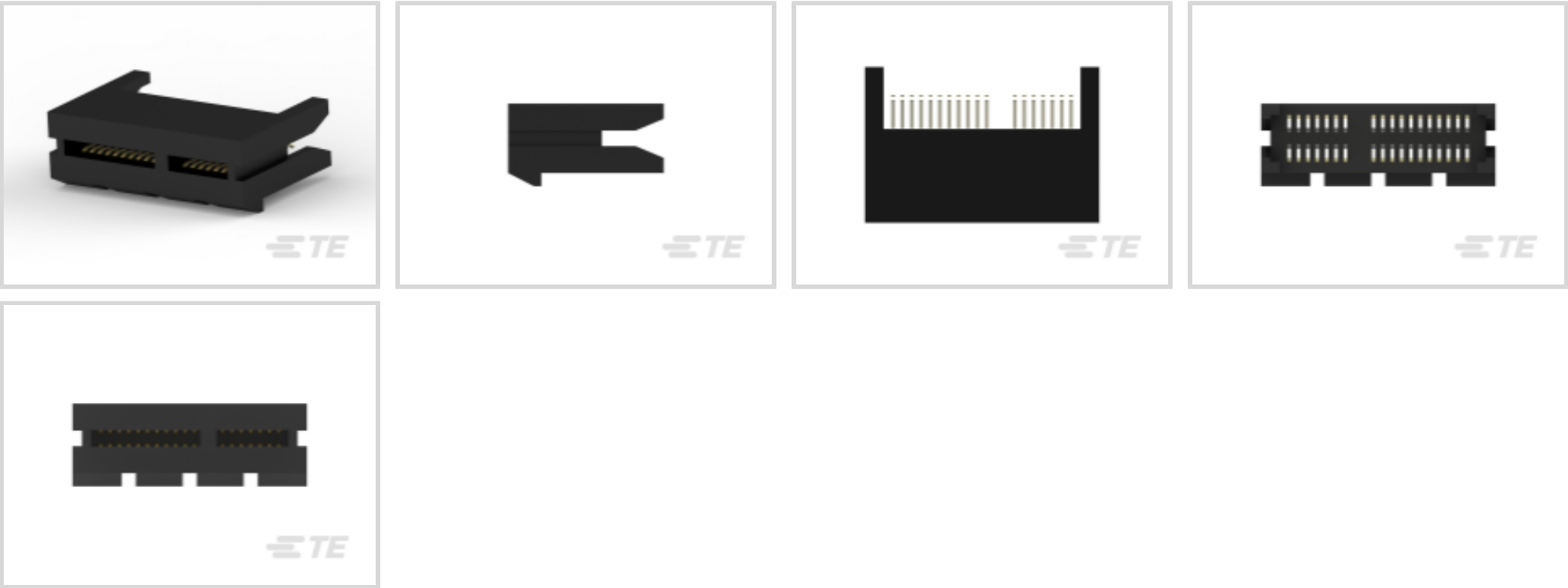




TE Internal #: 5-1734857-1
Board-to-Board, 36 Position, 1 mm [.039 in] Centerline, Straddle
Mount, Black, Height 10 mm [.394 in], PCI & PCI Express Connectors
[View on TE.com >](#)

Connectors > PCB Connectors > Card Edge Connectors > PCI & PCI Express Connectors



Connector System: **Board-to-Board**
Number of Positions: **36**
PCI Generation: **2 & 3**
Centerline (Pitch): **1 mm [.039 in]**
Termination Post & Tail Length: **3.93 mm [.16 in]**

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board

Configuration Features

Number of Positions	36
PCB Mount Orientation	Straddle Mount
Ejector	Without

Electrical Characteristics

Operating Voltage	50 VAC
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Body Features

Product Weight	2.9 g[.102 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
	1 µin

Termination Features

Termination Method to PCB	Surface Mount
Termination Post & Tail Length	3.93 mm[.16 in]

Mechanical Attachment

PCB Mount Retention Type	Kinked
Connector Mounting Type	Board Mount

Housing Features

Housing Material	PA 9T GF
Centerline (Pitch)	1 mm[.039 in]

Dimensions

Connector Length	25 mm[.984 in]
PCB Thickness (Accepted)	1.57 mm[.062 in]
PCB Thickness (Recommended)	1.57 mm[.062 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]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

Bus Type	PCI Express
PCI Generation	2 & 3

Packaging Features

Packaging Quantity	70
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°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 #DP86-005D
5 PSID MV DIFFERENTIAL PRESSURE
SENSOR

TE Part #8-338069-0
MICRO-MATCH SMD FTE

TE Part #5227161-2
RTANG JK W/MTG PINS, BNC PCB

TE Part #1-406525-1
IMJ,NO SHLD,8P,TRAY, SN

TE Part #8-1879213-4
CPF 0402 221R 0.1% 25PPM 1K RL

TE Part #3-2176158-2
TLM 2512 1.0W R056 1% 50PPM 4K RL

TE Part #1586892-3
03P UMNL HDR ASSY R/A, GW V0

TE Part #5-1814400-2
SMA R/A PCB Skt GZD

TE Part #CON SMA002-SMD
SMA Jack 50 Ohm PCB Surface Mount

TE Part #2428274-3
QSFP28-QSFP28,AOC 3m,SonyVCSEL,
BER 1E-12

Documents

Product Drawings

PCI EXP STRADDLE 36P BLK 1u"

English

CAD Files

Customer View Model

ENG_CVM_CVM_5-1734857-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1734857-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1734857-1_B.3d_stp.zip

English

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

Datasheets & Catalog Pages



4-1773442-7 Card Edge Connector for PCI Express Applications

English

Product Specifications

Product Specification

English

Product Specification

English