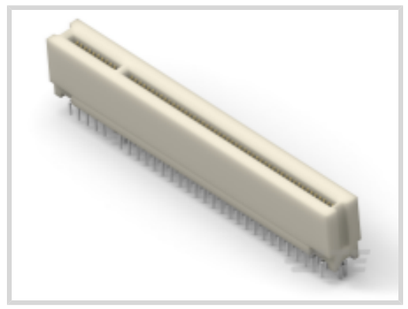
5145167-8 ✔ ACTIVE

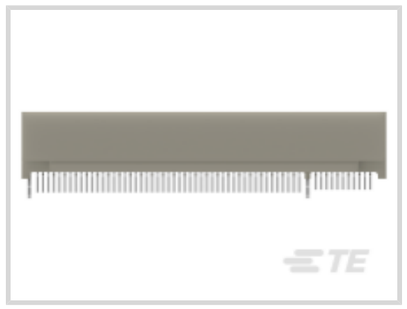
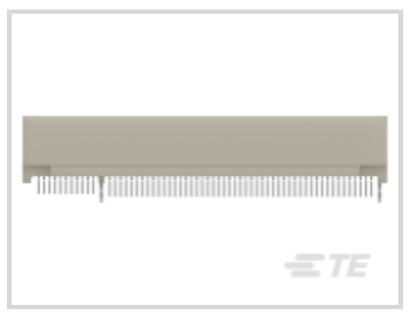
TE Internal #: 5145167-8

PCI & PCI Express Connectors, Board-to-Board, 120 Position, .05 in [1.27 mm] Centerline, Vertical, Natural, Height .55 in [13.97 mm]

View on TE.com >

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



Connector System: **Board-to-Board**

Number of Positions: **120**

Centerline (Pitch): **1.27 mm [.05 in]**

Termination Post & Tail Length: **3.18 mm [.125 in]**

Contact Mating Area Plating Material Thickness: **[30 µin]**

Features

Product Type Features

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

Configuration Features

Number of PCB Mount Retention Features	2
Number of Positions	120
PCB Mount Orientation	Vertical
Ejector	Without

Electrical Characteristics

Operating Voltage	203 VAC

Body Features

PCB Retention Feature Material	Brass
PCB Retention Feature Plating Material	Tin
Product Weight	13.176 g
Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Thickness	2.537 µm
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
	30 µin

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post & Tail Length	3.18 mm[.125 in]

Mechanical Attachment

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

Housing Features

Housing Material	High Temperature Thermoplastic
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	84.84 mm[3.34 in]
PCB Thickness (Accepted)	1.57 mm[.062 in]
Connector Height	13.97 mm[.55 in]
Connector Width	8.88 mm[.35 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

Bus Type	PCI

Packaging Features

Packaging Quantity	35
Packaging Method	Box

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	Wave solder capable to 265°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

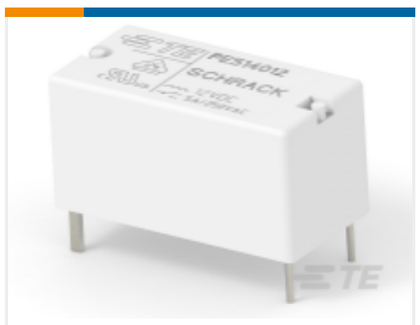
TE Part # 5145154-1
CONNECTOR, 60 DUAL POSITION, .

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

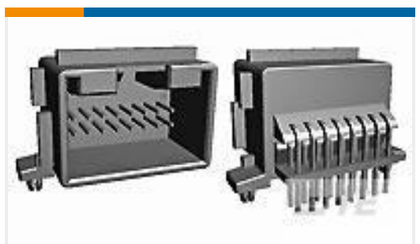
TE Part # 1734774-1
PCI EXP 3.1L 36 POS WHT G/F

Customers Also Bought

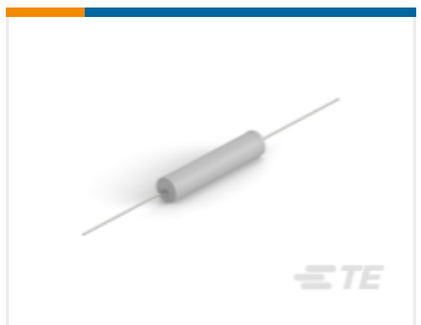
TE Part #7-2176231-9
3522 18K 1% 3W



TE Part #2-1393219-0
PE514012



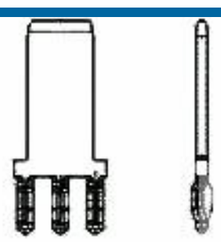
TE Part #966870-1
MOD2 ST-WANNE 2X 8P



TE Part #8-2176415-1
8W STD M/OX 5% 62K

TE Part #6-2176416-9
9W STD M/OX 5% 36K

TE Part #7-2176416-8
9W STD M/OX 5% 82K



TE Part #1564228-2
TAB 4.8X0.8

TE Part #CH5292-000
PP000003

Documents

Product Drawings

STANDARD EDGE .050 SERIES 60 DUAL ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5145167-8_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5145167-8_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5145167-8_C.3d_stp.zip

English

Product Specifications

Application Specification

English