



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]**

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

PCB Mount Orientation: **Vertical**

## 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
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### Body Features

PCB Retention Feature Material	Brass
PCB Retention Feature Plating Material	Tin
Product Weight	14.349 g
Primary Product Color	Natural

### Contact Features



Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]

### Termination Features

Termination Method to PCB	Surface Mount
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### Mechanical Attachment

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

### Housing Features

Housing Material	PA 46
Centerline (Pitch)	1.27 mm[.05 in]

### Dimensions

PCB Thickness (Accepted)	1.57 mm[.062 in]
Connector Length	84.84 mm[3.34 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]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Bus Type	PCI
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### Packaging Features

Packaging Method	Box
Packaging Quantity	32

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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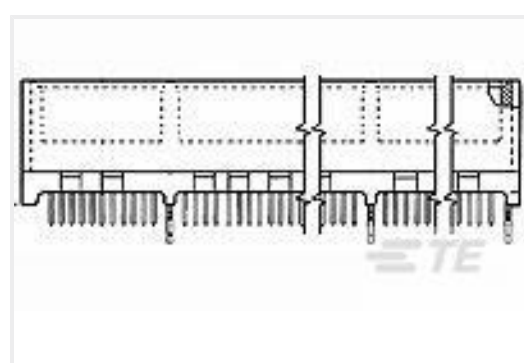


EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 245°C

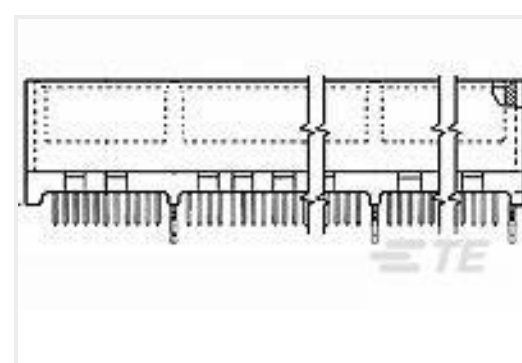
Product Compliance Disclaimer

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>

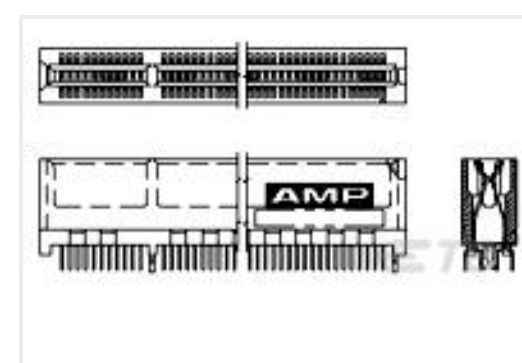
### Compatible Parts



TE Part # 5145168-2  
CONNECTOR ASSEMBLY, DUAL POSIT



TE Part # 5145168-8  
CONNECTOR ASSEMBLY, DUAL POSIT



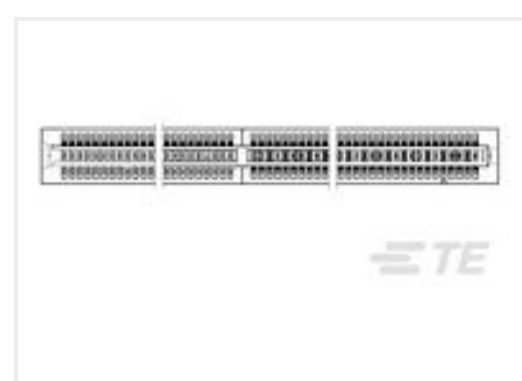
TE Part # 2007514-2  
AMP .050C/L CEC 40 DUAL POS



TE Part # 5145169-8  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050




TE Part # 5650091-2  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



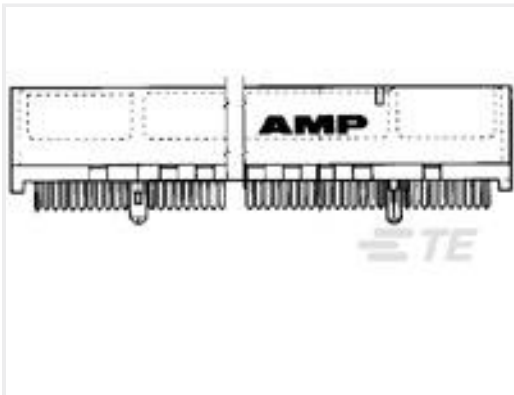
TE Part # 5145020-5  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



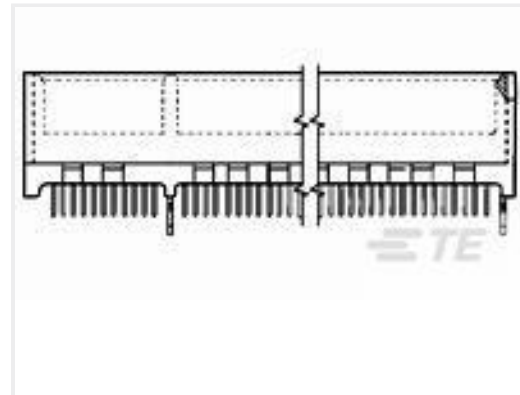
TE Part # 1734774-1  
PCI EXP 3.1L 36 POS WHT G/F



TE Part # 5145031-3  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050


TE Part # 5650231-1  
CONNECTOR ASSEMBLY, DUAL POSIT



TE Part # 6489934-1  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



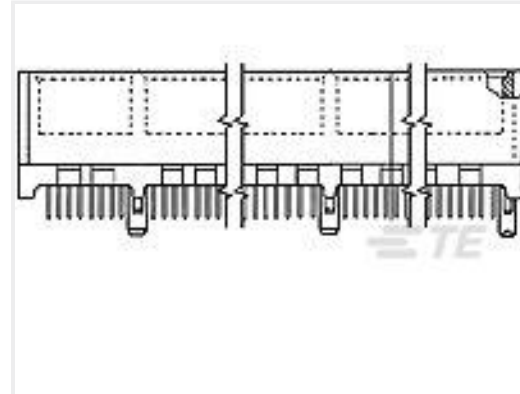
TE Part # 5145246-1  
CONNECTOR ASSEMBLY, DUAL POSIT



TE Part # 5145113-1  
CONNECTOR ASSEMBLY, DUAL POSIT



TE Part # 5145098-1  
CONNECTOR ASSEMBLY, DUAL POSIT



TE Part # 5145165-2  
CONNECTOR ASSEMBLY, DUAL POSIT



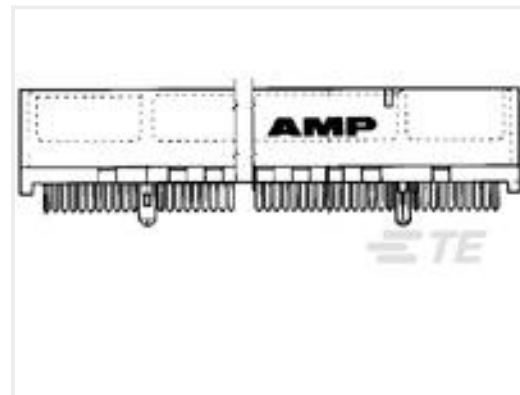
TE Part # 5-2337939-4  
PCIE GEN4 CON,SMT,164POS,30u", MYLAR,HT



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



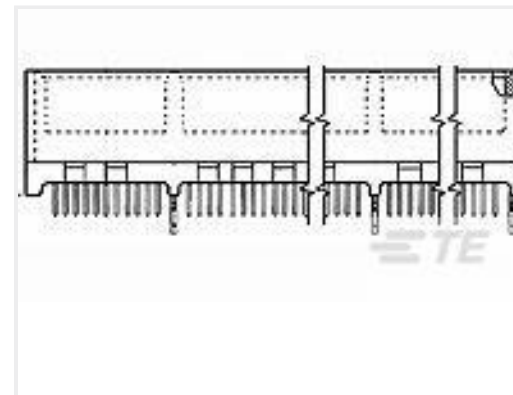
TE Part # 5650090-2  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



TE Part # 5650706-2  
CONNECTOR ASSEMBLY, DUAL POSIT



TE Part # 5650090-9  
CONNECTOR ASSEMBLY, DUAL POSIT



TE Part # 5145168-1  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050

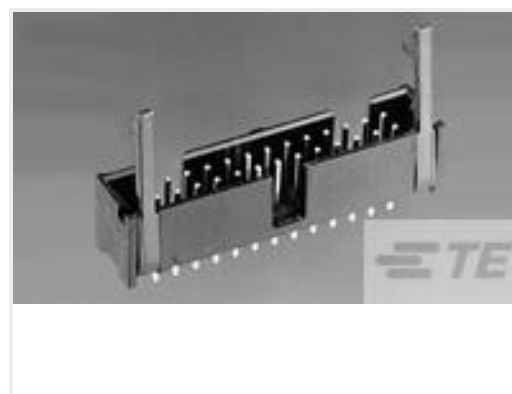
## Customers Also Bought



TE Part #CAT-D9934-A75A  
DYNAMIC 3100 REC AND TAB HSG



TE Part #1761608-3  
IDC LOW PRO HDR 10P VERT SHT L



TE Part #1761609-9  
IDC LOW PRO HDR 26P RA SHT LAT



TE Part #2176339-1  
CRGCQ 0603 10R 1%



TE Part #1-2176339-3  
CRGCQ 0603 100R 1%



TE Part #2-2176339-5  
CRGCQ 0603 1K0 1%



TE Part #5227726-3  
ISOLATED BNC SOLDER JACK ASSY



TE Part #5747842-4  
25 MSFL PLUG RA 318 (IN,FM,BL)

## Documents



## Product Drawings

### CONNECTOR ASSY, 60 DUAL POSITI

English

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## CAD Files

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1761842-1\\_B.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1761842-1\\_B.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1761842-1\\_B.3d\\_stp.zip](#)

English

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

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## Product Specifications

### Application Specification

English