



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: **[ 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 |
|-------------------|---------|

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             |
|                                               | 30 µin          |

Termination Features

|                           |               |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

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] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

|          |     |
|----------|-----|
| Bus Type | PCI |
|----------|-----|

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 |
|------------------------------|-----------|

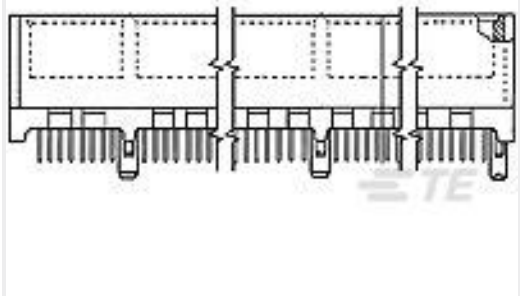


|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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>

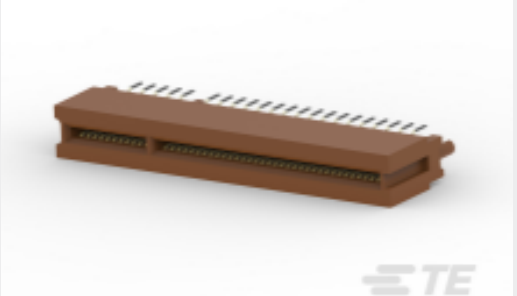
Compatible Parts



TE Part # 5145165-2  
CONNECTOR ASSEMBLY, DUAL POSIT



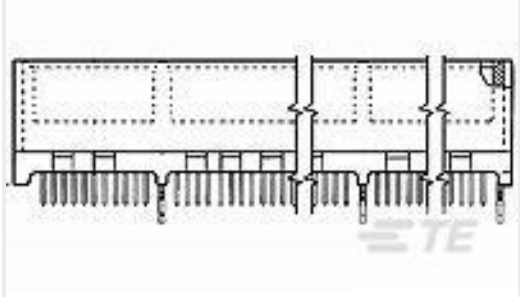
TE Part # 5-2337939-4  
PCIE GEN4 CON,SMT,164POS,30u", MYLAR,HT



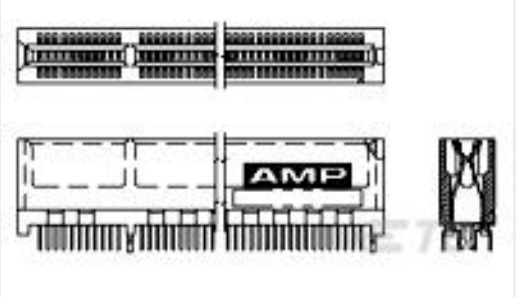
TE Part # 5650090-2  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



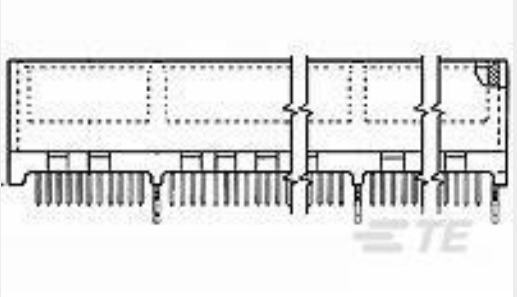
TE Part # 5145154-1  
CONNECTOR, 60 DUAL POSITION, .



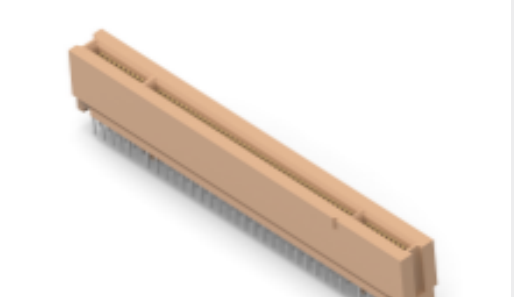
TE Part # 5145168-2  
CONNECTOR ASSEMBLY, DUAL POSIT



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

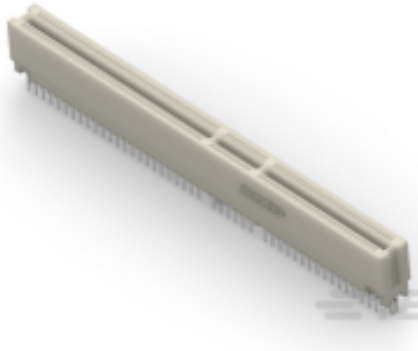


TE Part # 5145168-8  
CONNECTOR ASSEMBLY, DUAL POSIT



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





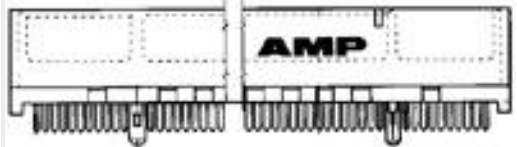
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CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



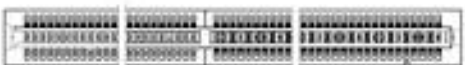
TE Part # 1734774-1  
PCI EXP 3.1L 36 POS WHT G/F



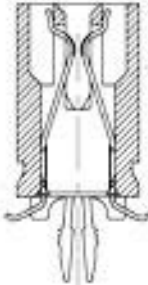
TE Part # 5145020-5  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



TE Part # 5650231-1  
CONNECTOR ASSEMBLY, DUAL POSIT



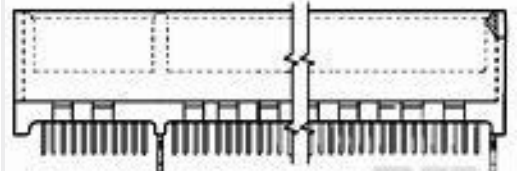
TE Part # 5145031-3  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



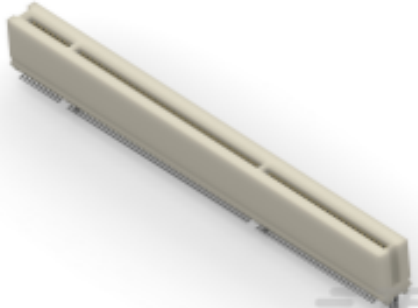
TE Part # 5145113-1  
CONNECTOR ASSEMBLY, DUAL POSIT



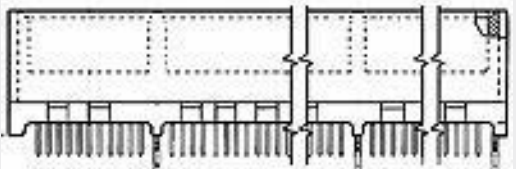
TE Part # 5145098-1  
CONNECTOR ASSEMBLY, DUAL POSIT



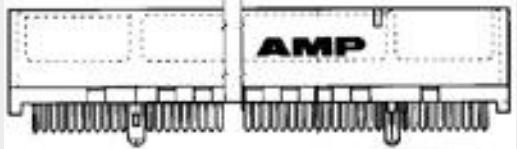
TE Part # 6489934-1  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



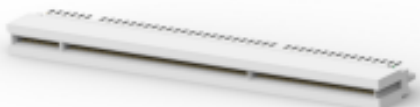
TE Part # 5145246-1  
CONNECTOR ASSEMBLY, DUAL POSIT



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

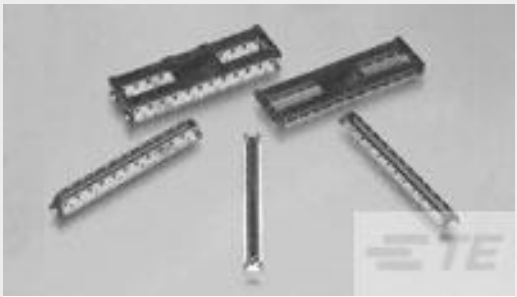


TE Part # 5650706-2  
CONNECTOR ASSEMBLY, DUAL POSIT



TE Part # 5145165-8  
CONNECTOR ASSEMBLY, 92 DUAL POSITION, .0

Customers Also Bought



TE Part #3-1827253-6  
.5FHP05H,220,S,GIG,08/Sn,HT,NSYes



TE Part #1-353717-2  
DYNAMIC D-3 REC CONT. 3L AU 0.38 L/P



TE Part #1-84953-5  
1MM FPC HORZ.TOP CONT.ASSY 15P



TE Part #5555154-1  
MJ,R/A,LPF,6P/6C,SHLD,PNL,TRAY



TE Part #1-1871465-2  
DYNAMIC 1200S REC HSG 2P X BLA



TE Part #1658612-2  
25 POS HDF RCPT, MS, LEAD FREE



TE Part #749608-2  
26 50SR KIT, ST, UK



TE Part #321165  
TERMINAL,SOLIS R 16-14HD 1/2





TE Part #499252-6  
034 STRAIN RELIEF A-L RCPT



TE Part #5749621-2  
26 50S CABLE PLUG CONN/COV KIT

Documents

Product Drawings  
CONNECTOR ASSY, 60 DUAL POSITI  
English

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

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Product Specifications  
Application Specification  
English