

5145154-1 ✓ ACTIVE

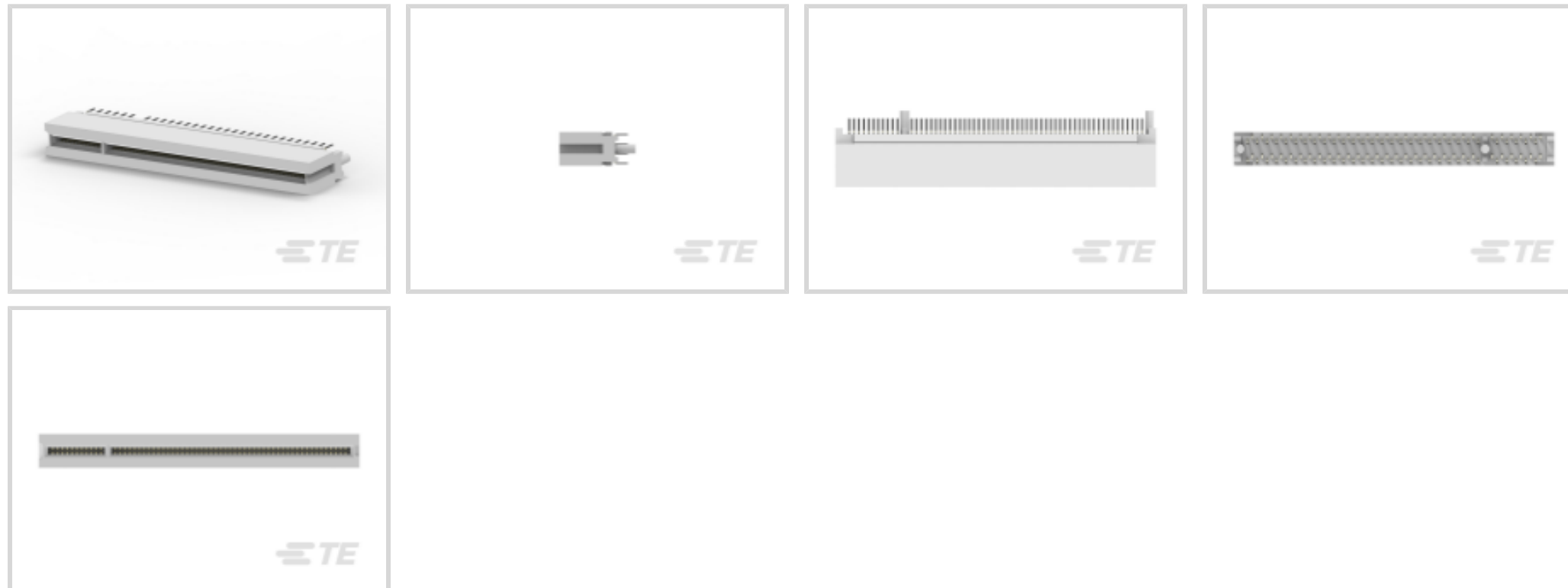
TE Internal #: 5145154-1

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

[View on TE.com >](#)



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



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

Number of Positions: **120**

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

## Features

### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### 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

Product Weight	12.58 g
Primary Product Color	Natural



### Contact Features

Contact Current Rating (Max)	1.1 A
PCB Contact Termination Area Plating Material Thickness	2.537 $\mu$ m
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin

### Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	2.54 mm[.1 in]

### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Housing Material	High Temperature Thermoplastic
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	8.8 mm[.346 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 & Carton
Packaging Quantity	35

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 # 5145167-8  
STANDARD EDGE .050 SERIES 60  
DUAL ASSY



TE Part # 5145167-4  
STANDARD EDGE .050 SERIES 60  
DUAL ASSY



TE Part # 5650090-7  
STANDARD EDGE .050 SERIES 23  
DUAL ASSY



TE Part # 5650090-3  
STANDARD EDGE .050 SERIES 40  
DUAL ASSY



TE Part # 1761842-1  
CONNECTOR ASSY, 60 DUAL POSITI



TE Part # 5650719-1  
STANDARD EDGE .050 SERIES 25  
DUAL ASSY



TE Part # 5650712-1  
STANDARD EDGE .050 SERIES 15  
DUAL ASSY



TE Part # 1-5145165-2  
CONNECTOR ASSEMBLY, DUAL  
POSITIONS, .050



TE Part # 5145165-4  
STANDARD EDGE .050 SERIES 92  
DUAL ASSY

TE Part # 1-5145154-2  
CONNECTOR, 60 DUAL POSITION, .

TE Part # 5145154-8  
STANDARD EDGE .050 SERIES 60  
DUAL ASSY

TE Part # 5145154-4  
STANDARD EDGE .050 SERIES 60  
DUAL ASSY

TE Part # 5650090-6  
STANDARD EDGE .050 SERIES 30  
DUAL ASSY

TE Part # 1-5145166-2  
STANDARD EDGE .050 SERIES 92  
DUAL ASSY

TE Part # 5650092-1  
STANDARD EDGE .050 SERIES 91  
DUAL ASSY

TE Part # 1-5145167-2  
STANDARD EDGE .050 SERIES 60  
DUAL ASSY

TE Part # 1-5145169-2  
CONNECTOR ASSEMBLY, DUAL  
POSIT

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

TE Part # 5650719-2  
STANDARD EDGE .050 SERIES 25  
DUAL ASSY

TE Part # 5650092-2  
STANDARD EDGE .050 SERIES 91  
DUAL ASSY

### Customers Also Bought

TE Part #1-175217-2  
DYNAMIC D-3 REC CONT. M AU 0.38  
L/P

TE Part #3-350945-0  
05P UMNL HDR ASSY R/A 94VO LF

TE Part #216550-1  
8/8 PCB MOD.JACK TE

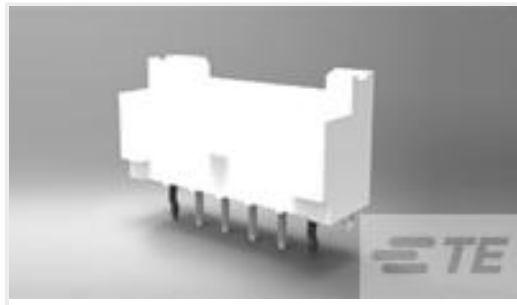
TE Part #1734510-1  
MINI USB, TYPE B, R/A, T/H

TE Part #1744418-8  
8 POS EP 2.5 HDR, GLOW WIRE

TE Part #1744418-6  
6 POS EP 2.5 HDR, GLOW WIRE

TE Part #5179031-4  
0.8FH,P08H.5,100,08/Sn,TU

TE Part #3-5175473-8  
CHAMP 050 B/B PLUG V W/LG 68P



TE Part #1744418-7  
7 POS EP 2.5 HDR, GLOW WIRE



TE Part #1969694-3  
PTL 1X3 PCB HEADER R/A STDTEMP  
KEY A NAT

## Documents

### Product Drawings

[CONNECTOR, 60 DUAL POSITION, .](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5145154-1\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5145154-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5145154-1\\_B.3d\\_stp.zip](#)

English

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

### Product Specifications

[Application Specification](#)

English