TE Internal #: 1-5145167-2

Board-to-Board, 120 Position, 1.27 mm [.05 in] Centerline, Vertical,

Natural, 13.97 mm [.55 in] Height, 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: 120

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

Termination Post & Tail Length: 3.56 mm [ .14 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

13.176 g

Natural

#### **Contact Features**

Product Weight

Primary Product Color



PCB Contact Termination Area Plating Material Thickness	2.537 μm
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	Through Hole - Solder
Termination Post & Tail Length	3.56 mm[.14 in]
Mechanical Attachment	
Connector Mounting Type	Board Mount
PCB Mount Retention Type	Hold-Down Post
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	8.88 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	35

## **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



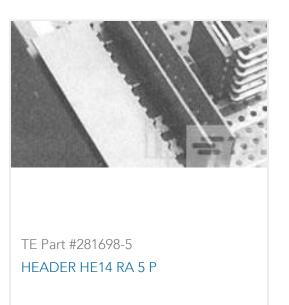




# Customers Also Bought























### **Documents**

### **Product Drawings**

STANDARD EDGE .050 SERIES 60 DUAL ASSY

English

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-5145167-2\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-5145167-2\_C.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-5145167-2\_C.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