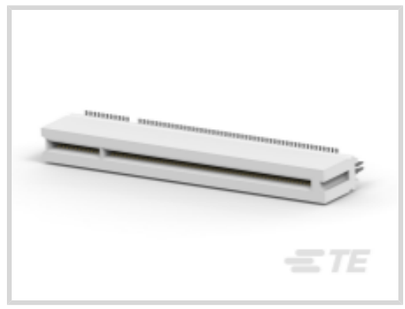
5145098-1 ✔ ACTIVE

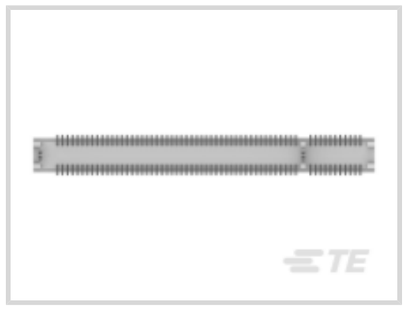
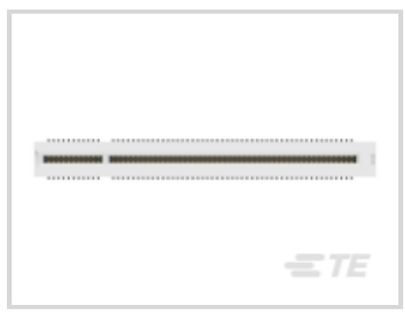
TE Internal #: 5145098-1

Board-to-Board, 120 Position, 1.27 mm [.05 in] Centerline, Vertical, Natural, 15.49 mm [.61 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]**

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

Body Features

PCB Retention Feature Material	Brass
PCB Retention Feature Plating Material	Tin
Product Weight	14.353 g
Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 µm
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 µm[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	High Temperature Thermoplastic
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

PCB Thickness (Accepted)	.62 mm[.024 in]
Connector Length	3.44 mm[.135 in]
Connector Height	15.49 mm[.61 in]
Connector Width	.35 mm[.014 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 & Carton
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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 5-2337939-4
PCIE GEN4 CON,SMT,164POS,30u",MYLAR,HT

TE Part # 5145098-2
CONNECTOR ASSEMBLY, DUAL POSIT

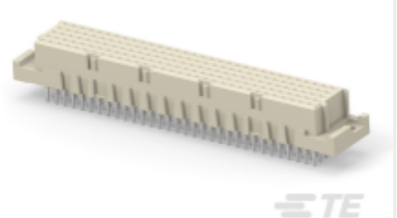


TE Part # 1734774-1
PCI EXP 3.1L 36 POS WHT G/F



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

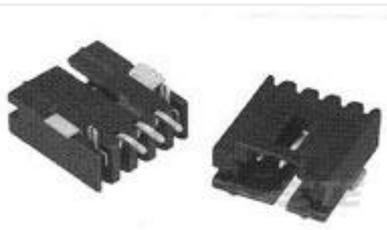
Customers Also Bought



TE Part #254006-E
STVE 160 F ABCDE VVVVV 7-00 EE 5,5 * 247



TE Part #62813-2
250 FASTON FLAG REC 22-18 AWG TPBR



TE Part #5-147323-7
08 MTE HDR SRRA SMT.100CL



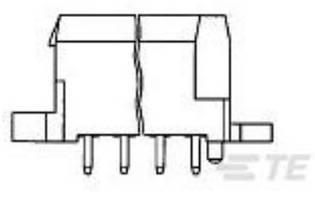
TE Part #2-331272-6
SOCKET,MIN-SPR AU SER-2



TE Part #6-534975-1
50 MODII 2PC DR CE RECPT ASSY, RoHS



TE Part #2-644486-9
09P MTA100 SHRDED HDR ASSY SN



TE Part #963357-6
2X 2P MESSERLEISTE



TE Part #5558178-1
MJ,R/A,SMT,8P,PCB GRD,PNL STOP



TE Part #5747836-4
09 MSFL RCPT RA 590 (IN,FM,BL)

TE Part #822154-1
CHIP CARRIER EXTRACTION TOOL

Documents

Product Drawings

CONNECTOR ASSEMBLY, DUAL POSIT

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5145098-1_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_5145098-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_5145098-1_O.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