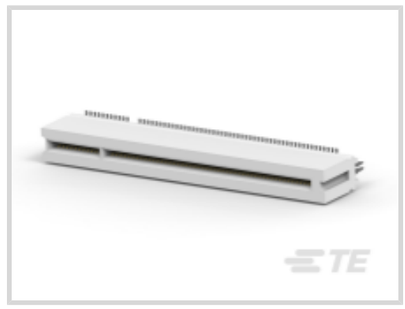
5145098-1 ✔ ACTIVE

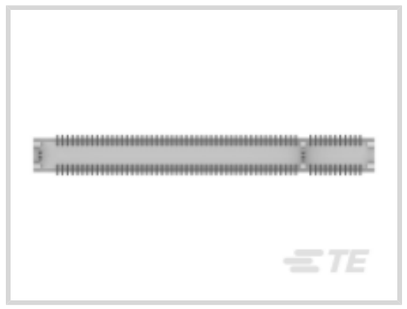
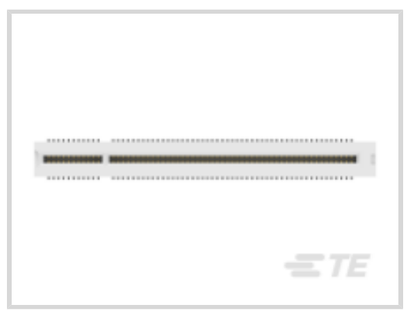
TE Internal #: 5145098-1

Board-to-Board, 120 Position, 1.27 mm [.05 in] Centerline, Vertical, Natural, Height 15.49 mm [.61 in], 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: **[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 Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
	30 µin

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

Housing Material	High Temperature Thermoplastic
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	3.44 mm[.135 in]
PCB Thickness (Accepted)	.62 mm[.024 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 Quantity	32
Packaging Method	Box & Carton

Product Compliance

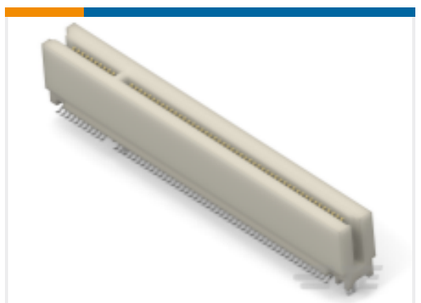
For compliance documentation, visit the product page on TE.com>

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	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 # 1761842-1
CONNECTOR ASSY, 60 DUAL POSITI



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



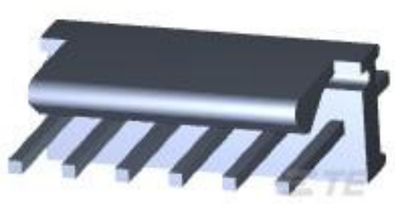
TE Part # 1734774-1
PCI EXP 3.1L 36 POS WHT G/F

TE Part # 5145098-2
CONNECTOR ASSEMBLY, DUAL POSIT

Customers Also Bought



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



TE Part #3-641126-6
06P MTA100 HDR ASY FL/STR LF



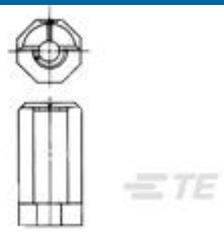
TE Part #644038-6
06P MTA100 CONN ASSY RED 15AU



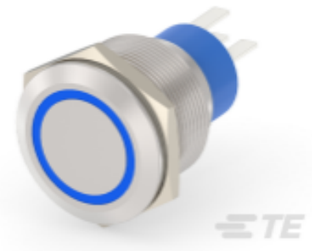
TE Part #173977-7
CT CONN MT REC ASSY 7P



TE Part #1934342-1
Tin Man Header Assy 3x10 Double



TE Part #531116-1
BOX EXT PLASTIC KEY M.S.



TE Part #1-2213772-7
AV22 SPM 3A MOVE RING LED BLUE 12V

TE Part #2-1617006-2
3SAV1694A3 = RELAY

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1969656-1 2310537-1 MPT100C18RF SBCHE64R7K 2834055-1 650075-000 936348-1 917696-1
U5254-000005-030PA 1-794222-0 141991-2 2-292161-3 1393431-1 1903112-2 2380312-2 3-1393225-0
3430B2F51RTDF RH73H2A40MKTN TE50BR39J 1743455-2 175977-2 2005330-1 3631B101LL
CPF0402B37K4E1 SBCHE154R7K 1-962915-1 2377783-2 CRGCQ2010J3K3 ROX05SJ18R SMW73R0JT