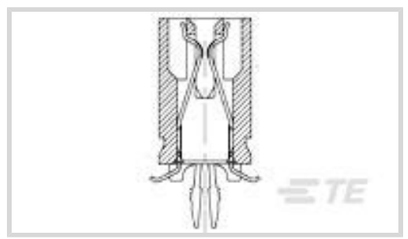
5145113-1 ✔ ACTIVE

TE Internal #: 5145113-1

PCI & PCI Express Connectors, Board-to-Board, 184 Position, 1.27 mm [.05in] Centerline, Contact Mating Area Plating Material Thickness 30 µin, Vertical

View on TE.com >

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



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

Number of Positions: **184**

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

Contact Mating Area Plating Material Thickness: **[30 µin]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of PCB Mount Retention Features	2
Number of Positions	184
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	15.903 g
Bus Width	64 Bit

Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin

Contact Base Material	Phosphor Bronze
	30 µin
Contact Current Rating (Max)	1.1 A

Termination Features

Termination Method to Printed Circuit Board	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]
Housing Color	Natural

Dimensions

Connector Length	5.04 mm[.198 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>

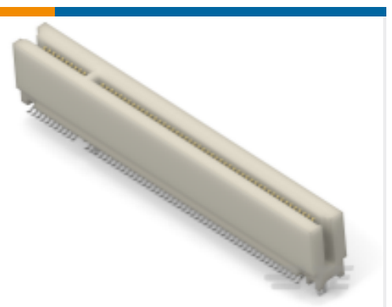
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

Customers Also Bought



TE Part #1-6609005-3
CORCOM EEB SERIES IEC FILTERED INLETS



TE Part #1-1617036-2
HFW4A1201K00 = 2100 HFW 4A REL



TE Part #1676446-2
RN 0805 845R 0.1% 10PPM 1KRL



TE Part #1617118-5
J1MAC-26XM = M39016/7-030M



TE Part #1-103577-7
MACH APL BAND W/POST 15 DPLX



TE Part #1-85839-2
12 MODI HDR SRST .156CL



TE Part #147381-2
20 50/50 HDR SMT.250 W/HD VC



TE Part #2-1617342-8
HFW1230G01M=M39016/6-112M



TE Part #YAFD51-20-39PWC012
RECP ASSY



TE Part #2-1437514-0
322-HCS5P2-100=HOLTITE CNT

Documents

Product Drawings

CONNECTOR ASSEMBLY, DUAL POSIT

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5145113-1_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_5145113-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_5145113-1_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

Product Environmental Compliance

TE Material Declaration

English