



CGS THS

TE Internal #: 5-1761465-2
PCI & PCI Express Connectors, Board-to-Board, 64 Position, .039 in [1 mm] Centerline, Right Angle, Black, Height .37 in [9.4 mm], CGS THS

[View on TE.com >](#)

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



Connector System: **Board-to-Board**
Number of Positions: **64**
Centerline (Pitch): **1 mm [.039 in]**
Termination Post & Tail Length: **3.56 mm [.14 in]**
Contact Mating Area Plating Material Thickness: **[15 µin]**

Features

Product Type Features

Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of PCB Mount Retention Features	2
Number of Positions	64
PCB Mount Orientation	Right Angle
Ejector	Without

Electrical Characteristics

Operating Voltage	50 VAC
-------------------	--------

Body Features

Product Weight	21.302 g
Primary Product Color	Black

Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze



	15 µin
Contact Current Rating (Max)	1.1 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post & Tail Length	3.56 mm[.14 in]

Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Housing Material	High Temperature Nylon
Centerline (Pitch)	1 mm[.039 in]

Dimensions

PCB Thickness (Accepted)	1.57 mm[.062 in]
Connector Height	9.4 mm[.37 in]
Connector Width	19.6 mm[.772 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
-----------------------------	---------------------------

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

Bus Type	PCI Express
----------	-------------

Packaging Features

Packaging Quantity	500
Packaging Method	Box & Tray, Package

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 2023 (235) Candidate List Declared Against: JAN 2023 (233)



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



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

Also in the Series | CGS THS




Chassis Mount Resistors(241)




PCI & PCI Express Connectors(8)

Customers Also Bought







TE Part #2149027-1
MiniSAS HD 1x1 Rec Assy




TE Part #6-1393211-6
T92P7D12-24




TE Part #202237-5
III+ SOC,SOLTAB,TIN,LP




TE Part #6609065-2
3EDP=F7688 S0




TE Part #2-1761605-3
IDC LOW PRO HDR 10P RA BLUE




TE Part #62181-1
187 FASTON REC 24-20 AWG TPBR



TE Part #1879208-3
CPF 0402 12R 0.1% 25PPM 1K RL



TE Part #2176349-4
CRGCQ 2512 18R 1%



TE Part #2170703-1
CAGE ASSEMBLY, QSFP28 1X1,
SPRING

Documents

Product Drawings

pci expres ra assy 5.8mm thu hole 3.56mm

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1761465-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1761465-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1761465-2_C.3d_stp.zip

English

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

Datasheets & Catalog Pages



4-1773442-7 Card Edge Connector for PCI Express Applications

English

Product Specifications

Product Specification

English