

PCI EXPRESS® JUMPERS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?PCIEC

CONNECTOR

Insulator Material:

Black Nylon

Contact:

Phosphor Bronze

Plating:

Au or Sn over
50 μ" (1.27 μm) Ni

Operating Temp:

-55 °C to +125 °C

Card Insertion Depth:

(8.00 mm) .315" nominal

RoHS Compliant:

Yes

CARD

Conductor:

1 oz. Copper

Contact Area:

Hard Gold (Contact area)

Insulator:

Nelco 4000-13

RoHS Compliant:

Yes

CABLE

Conductor (-P):

30 AWG shielded twinax

30 AWG standard ribbon

Conductor (-A & -AP):

30 AWG twinax AcceleRate™

30 AWG standard ribbon

Bend Radius:

1 mm one time bend, or
12.7 mm .50" bend radius with
moderate flexing cycles

Pinout Map:

See web address above

RoHS Compliant:

Yes

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Note:

This Series is non-standard,
non-returnable.

Mates with:
PCIE

PCIEC	
Cable Length	Rated @ 7 dB Insertion Loss -DP
10" (0.25 m)	10.0 GHz / 20.0 Gbps
Performance data for other cable lengths and complete test data available at www.samtec.com?PCIEC or contact sig@samtec.com	

30 AWG
ribbon cable

Supports one, four,
eight and sixteen
PCI Express® links

APPLICATIONS

Loop back Extender (From one PCIe® slot to another PCIe® slot)
Ser-Des Physical Extender (From one PCIe® slot to another PCIe® Ser-Des)
Physical Extender for easy troubleshooting of PCIe® card debug and analysis
(PCIe® slot to Emulator or Analyzer)

30 AWG shielded twinax
ribbon cable or 30 AWG
AcceleRate™ twinax cable

PCIEC	NO. OF POSITIONS	WIRE LENGTH	END NO. 1	END NO. 2	CABLE OPTION	IMPEDANCE
	-036 (x1), -064 (x4), -098 (x8), -164 (x16)	"XXXX" = Wire Length in millimeters 0050 mm minimum	-EC = Edge Card	-EC = PCIe® Edge Card -EM = PCIe® Edge Mount Connector	Leave blank for Eye Speed® cable and no Power Lines -P = Eye Speed® cable and Power Lines -A = AcceleRate™ cable, No Power Lines -AP = AcceleRate™ cable and Power Lines	Leave blank for 100 Ω -85 = 85 Ω
		END TO END		L		
		-EC to -EC		(39.6) 1.56		
		-EC to -EM		(49.6) 1.95		
		NO. OF POSITIONS		A	B	
		-036 (x1)		(20.30) .800	(25.40) 1.00	
		-064 (x4)		(34.30) 1.35	(39.40) 1.55	
		-098 (x8)		(51.30) 2.02	(56.40) 2.22	
		-164 (x16)		(84.30) 3.32	(89.40) 3.52	