

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: 30 AWG shielded twinax
30 AWG standard ribbon
Bend Radius: (3.18 mm) .125"
Pinout Map: See web address above
RoHS Compliant: Yes

Mates with:
PCIE

30 AWG ribbon cable

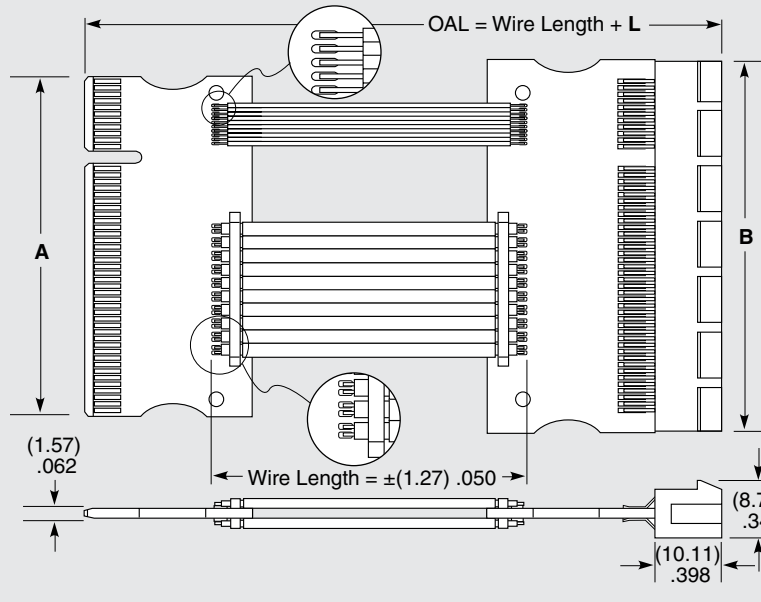
Supports one, four, eight and sixteen PCI Express® links

30 AWG shielded twinax ribbon cable

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)

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	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

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Note: This Series is non-standard, non-returnable.

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.