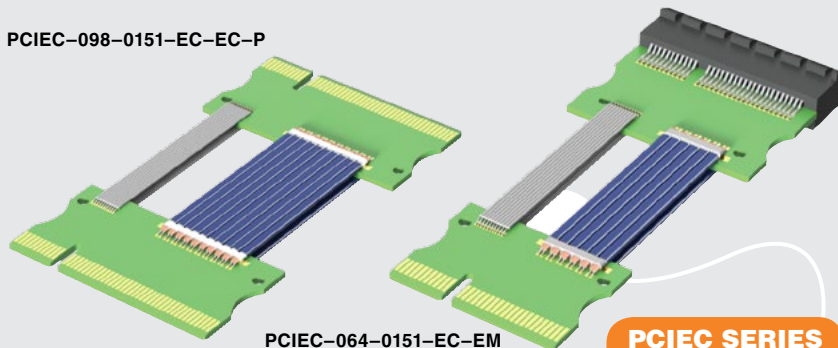




PCI EXPRESS® JUMPERS

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, PCIE-LP

HIGH-SPEED CHANNEL PERFORMANCE

PCIEC

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

14
Gbps

APPLICATIONS

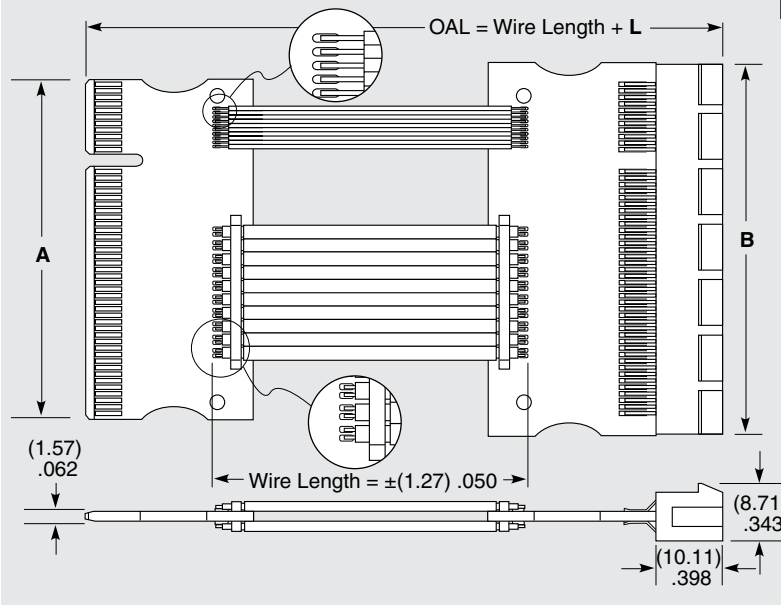
Loop back Extender (From one PCIe® slot to another PCIe® slot)
Ser-Des Physical Extender (From one PCIe® slot to another PCIe® Ser-Des)
Physical Extender for easy troubleshooting of PCIe® card debug and analysis
(PCIe® slot to Emulator or Analyzer)

30 AWG
ribbon cable

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

30 AWG shielded
twinax ribbon 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	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

PCI-SIG®, PCI Express® and the PCIe® design marks are registered trademarks and/or service marks of PCI-SIG.

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.