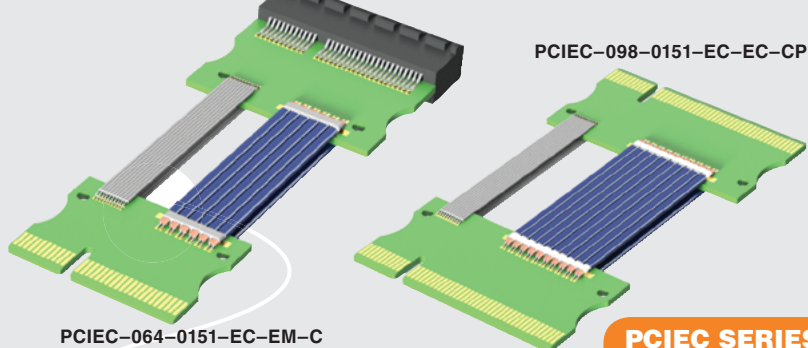




PCI EXPRESS® JUMPERS

SPECIFICATIONS

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

CABLE ASSEMBLY

Cable:
Eye Speed® 30 AWG twinax or
Eye Speed® 32 AWG twinax;
30 AWG insulated ribbon
Operating Temp:
-25 °C to +105 °C
Contact:
Phosphor Bronze
Plating:
Au or Sn over 50 μ" Ni
Performance:
Supports PCIe® Gen 1 & 2
Bend Radius:
(3.18 mm) .125"
-EM Connector:
Black Nylon
Card Insertion Depth:
(8.00 mm) .315"
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

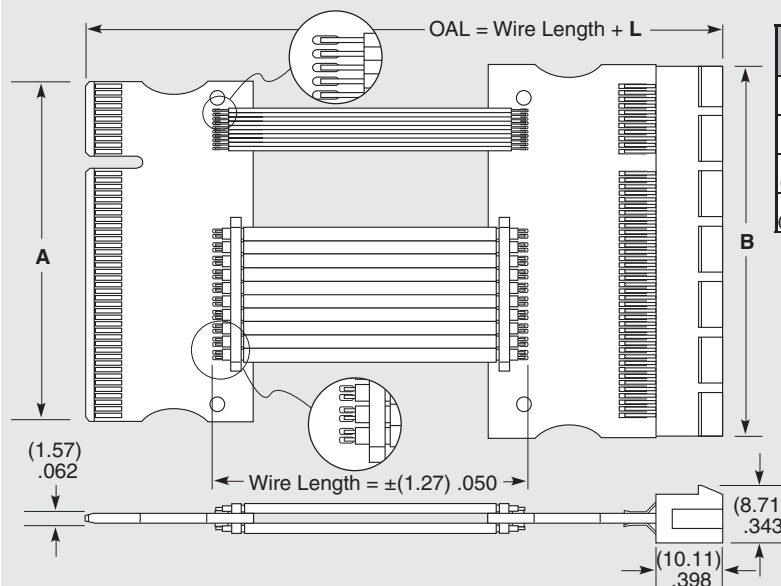
Loop back Extender (From one PCIe® slot to another PCIe® slot)
Ser-Des Physical Extender (From one PCIe® slot to another PCIe® Ser-Des)
Physical Extender for easy troubleshooting of PCIe® card debug and analysis
(PCIe® slot to Emulator or Analyzer)

30 AWG insulated
ribbon cable

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

30 or 32 AWG
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	Specify CABLE OPTION from chart	Leave blank for 100 Ω -85 = 85 Ω



CABLE OPTION	IMPEDANCE	
	85 Ω	100 Ω
BLANK	32 AWG TAPED SHIELD	NOT AVAILABLE*
-C (No Power Lines)	NOT TOOLED*	30 AWG TAPED SHIELD
-CP (With Power Lines)	NOT TOOLED*	30 AWG TAPED SHIELD
-P (With Power Lines)	32 AWG TAPED SHIELD	NOT AVAILABLE*

* Contact hdr@samtec.com for information

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

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

Cable lengths longer than
40.00" (1 meter) are not
supported with S.I. test data.

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.