

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 2 & 3
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

30 AWG insulated ribbon cable

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

HIGH-SPEED CHANNEL PERFORMANCE

PCIEC

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

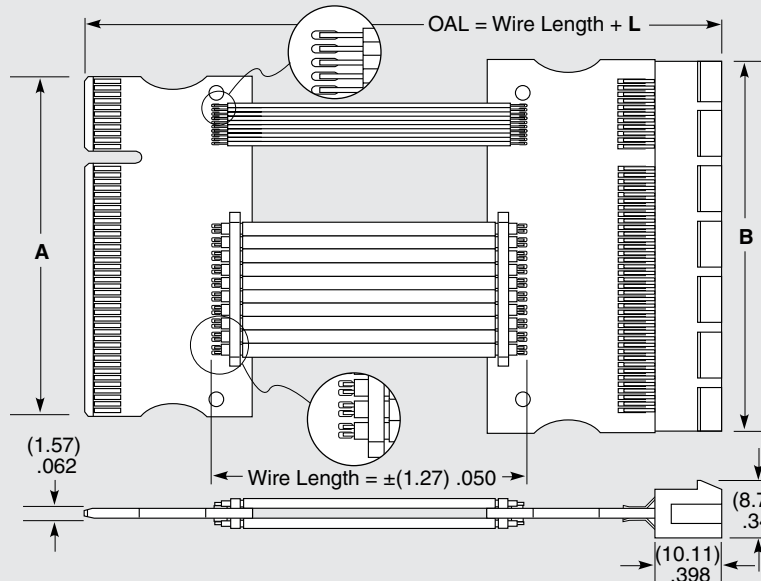
14
Gbps

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 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.1. 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.

Mouser Electronics

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[PCIEC-036-0500-EC-EM-P-85](#) [PCIEC-064-0500-EC-EM-P-85](#) [PCIEC-064-1000-EC-EM-P-85](#) [PCIEC-036-0100-EC-EM-CP](#)