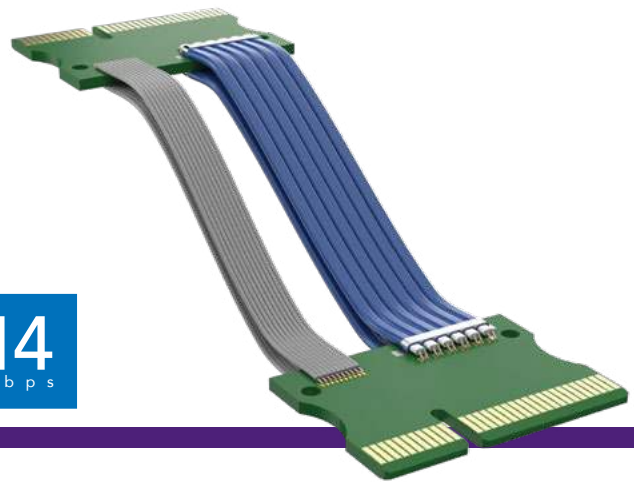


# PCI EXPRESS® JUMPERS

(1.00 mm) .0394" PITCH • PCIEC SERIES

14  
Gbps



## PCIEC

### Mates:

PCIE, PCIE-LP

### SPECIFICATIONS

#### 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"

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*

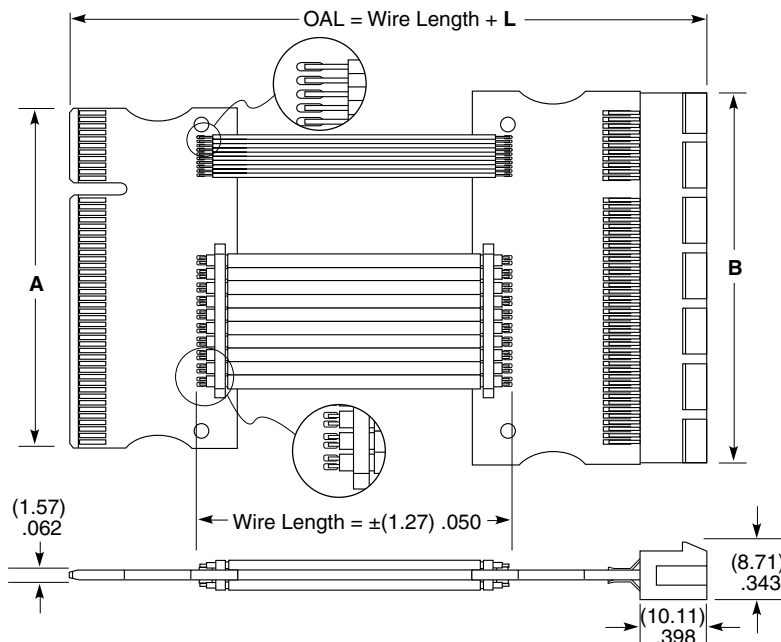
\* Contact [hdr@samtec.com](mailto:hdr@samtec.com) for information

## 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)



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:

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

Design your full cable assembly with Samtec's High-Speed Cable Builder at [www.samtec.com/cablebuilder](http://www.samtec.com/cablebuilder)

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This Series is non-standard, non-returnable.