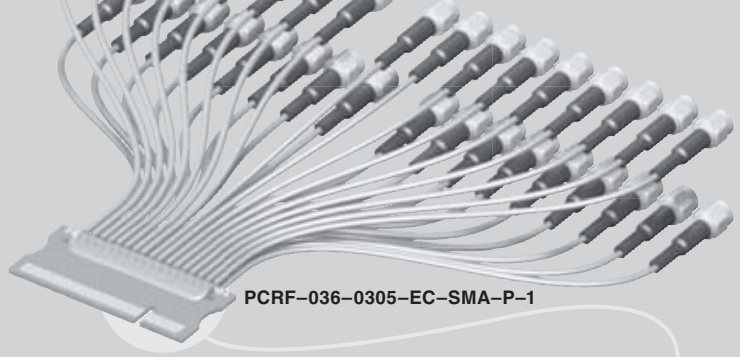




PCRF SERIES



PCRF-036-0305-EC-SMA-P-1

# CARD WITH LOW LOSS MICROWAVE CABLE

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?PCRF](http://www.samtec.com?PCRF)

### Card:

**Conductor:**  
1/2 oz. Copper  
**Contact Area:**  
Hard Gold (Contact area)  
**Insulator:**  
FR-4  
**RoHS Compliant:**  
Yes

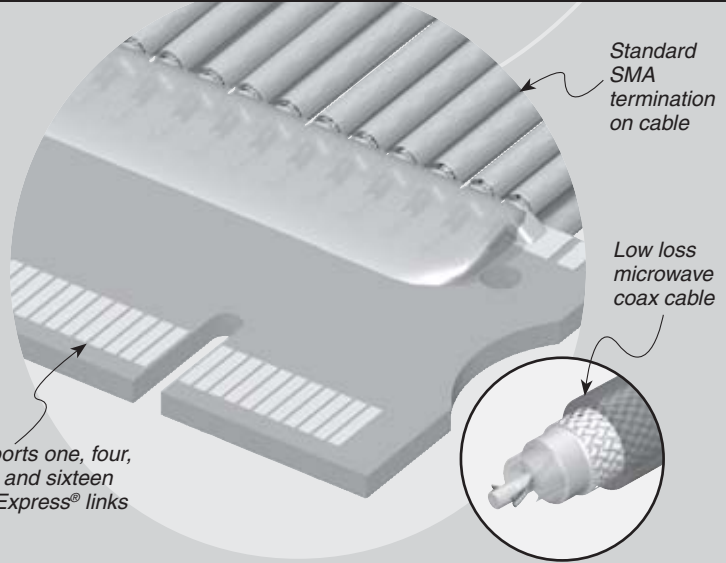
### Cable:

**Type:**  
Low Loss Microwave Coax  
**Gauge:**  
25 AWG Silver Plated Copper  
**Signal Conductor:**  
(0.45mm) .018" DIA  
**Braid Shield:**  
42 AWG  
**Overall Shield Diameter:**  
(1.60mm) .063" DIA  
**Jacket Material:**  
FEP  
**Impedance:**  
50Ω  
**Propagation Delay:**  
3.84 nsec/meter  
**Capacitance:**  
75.4 pF/meter

Mates with:  
PCIE, SMA

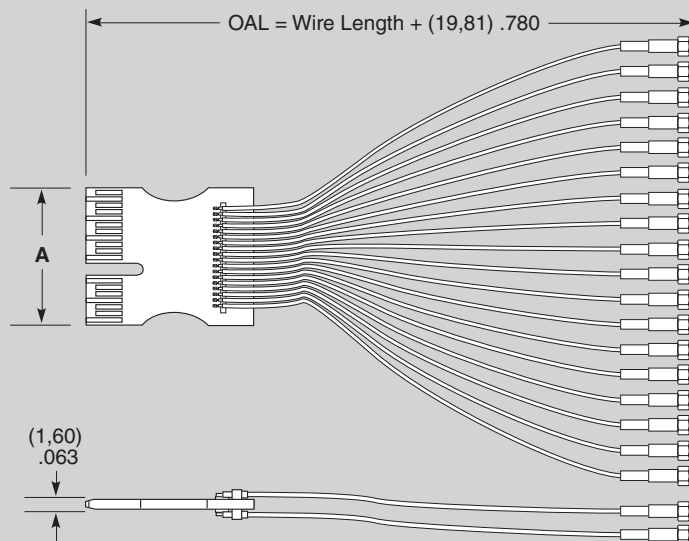
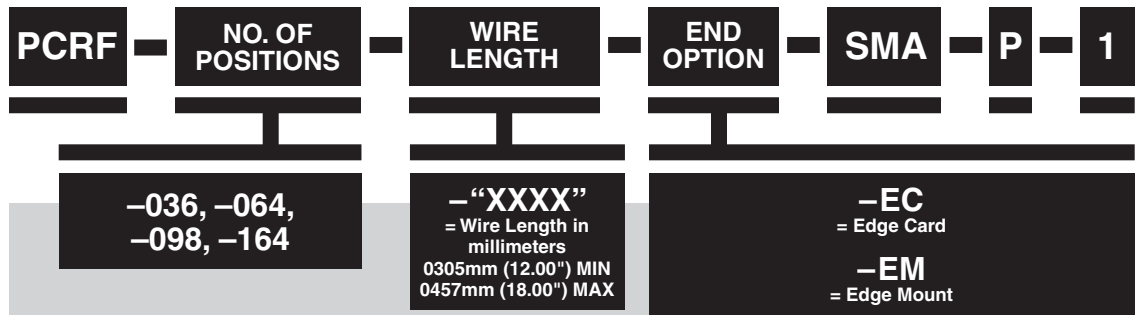
Cable Length	Rated @ 7dB Insertion Loss
	PCRF
12" (304,8mm)	3.69 GHz / 7.38 Gbps
39.37" (1m)	3.59 GHz / 7.18 Gbps

Performance and complete test data available at [www.samtec.com?PCRF](http://www.samtec.com?PCRF) or contact [sig@samtec.com](mailto:sig@samtec.com)



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

PCI Express® is a registered trademark of PCI-SIG



NO. OF POSITIONS	A
-036	(20,30) .800
-064	(34,30) 1.35
-098	(51,30) 2.02
-164	(84,30) 3.32

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

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

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