

PCRF-036-0152-EC-SMA-P-1

PCRF SERIES

CARD WITH LOW LOSS MICROWAVE CABLE

SPECIFICATIONS

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

Card:

Conductor:

½ oz. Copper

Contact Area:

Hard Gold (Contact area)

Insulator:

FR-4

Current Rating:

1.3 A per pin

(6 pins powered)

RoHS Compliant:

Yes

Cable:

Type:

Low Loss Microwave Coax

Gauge:

25 AWG Silver Plated Copper

Signal Conductor:

(0.45 mm) .018" DIA

Braid Shield:

42 AWG

Overall Shield Diameter:

(1.60 mm) .063" DIA

Jacket Material:

FEP

Current Rating:

2.0 A per cable

(12 cables powered)

Voltage Rating:

Signal-Signal:

175 VAC/248 VDC

Signal-Ground:

135 VAC/191 VDC

Impedance:

50 Ω

Propagation Delay:

3.84 nsec/meter

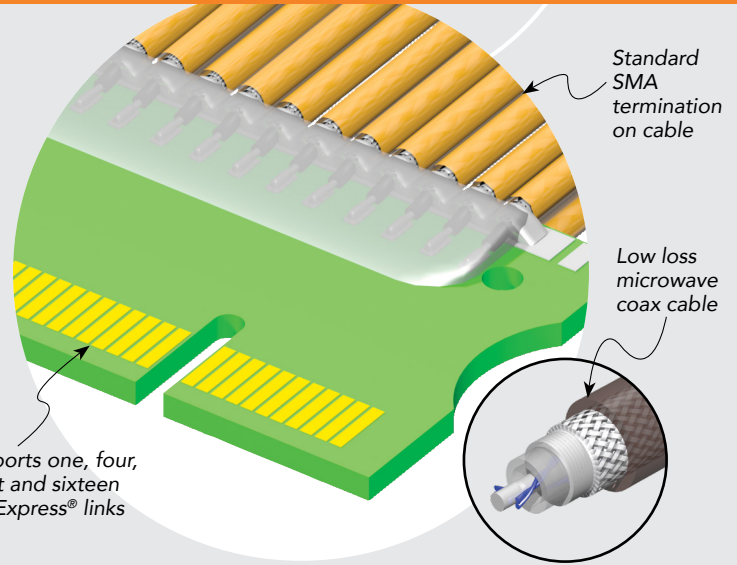
Capacitance:

75.4 pF/meter

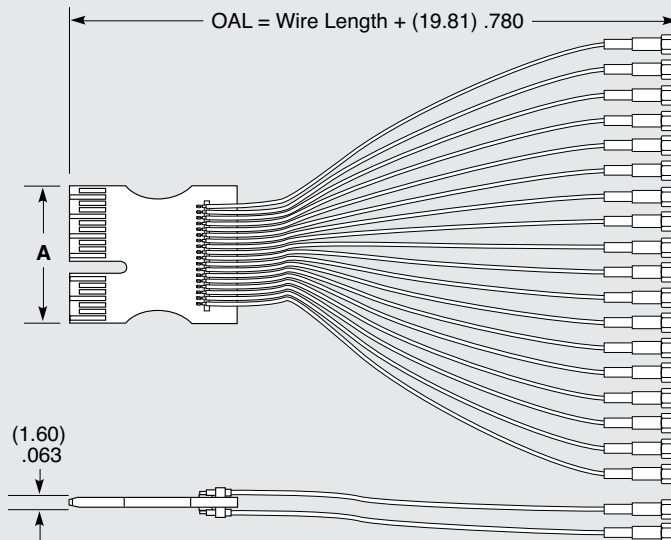
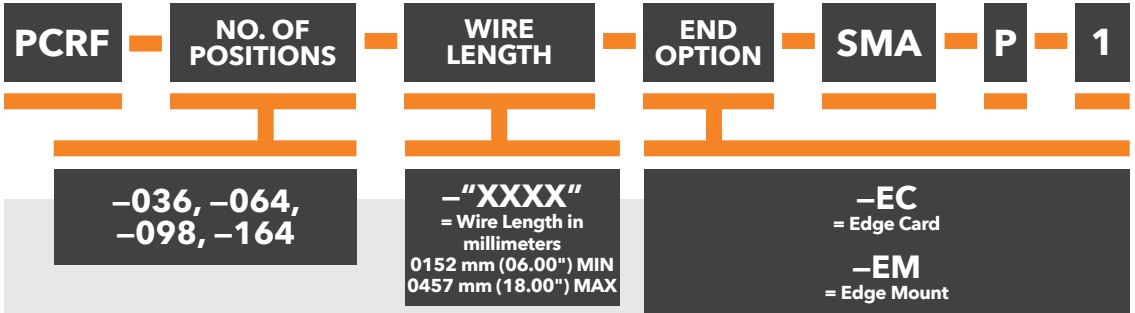
Mates with:
PCIe, SMA

Cable Length	Rated @ 7dB Insertion Loss
	PCRF
12" (304.8 mm)	3.69 GHz / 7.38 Gbps
39.37" (1 m)	3.59 GHz / 7.18 Gbps

Performance and complete test data available at www.samtec.com?PCRF or contact sig@samtec.com



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



NO. OF POSITION	A
-036	(20.30) .800
-064	(34.30) 1.35
-098	(51.30) 2.02
-164	(84.30) 3.32

Notes:
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This Series is non-standard, non-returnable.