



THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

PCRF-XXX-XXXX-XX-XXX-X-X

DO NOT SCALE FROM THIS PRINT

FIG 1 (PCRF-064-XXXX-EC-SM-P-1 SHOWN)

OVERALL LENGTH: XXXX + 19.81 [.780] REF (SEE NOTE 12)

LENGTH: XXXX ± 1% (SEE NOTES 6 & 12)

NO. OF POSITIONS
-036
-064
-098
-164 (PER ROW)

LENGTH
-XXXX (MM)
(0.100 [0.4.0] MIN (SEE NOTE 6) (SEE NOTE 10)

COAX
-1: CCA-25M
RF GENDER
-P: PLUG
RF CONNECTOR
-SMA

END OPTION
-EC: EDGE CARD
-EM: EDGE MOUNT (SEE SHT 2, TABLE 5)

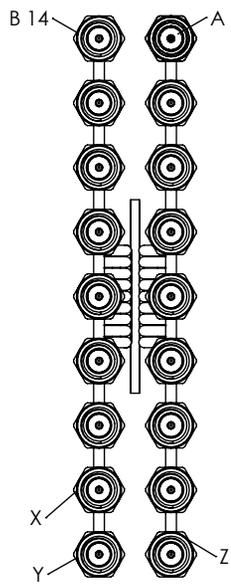
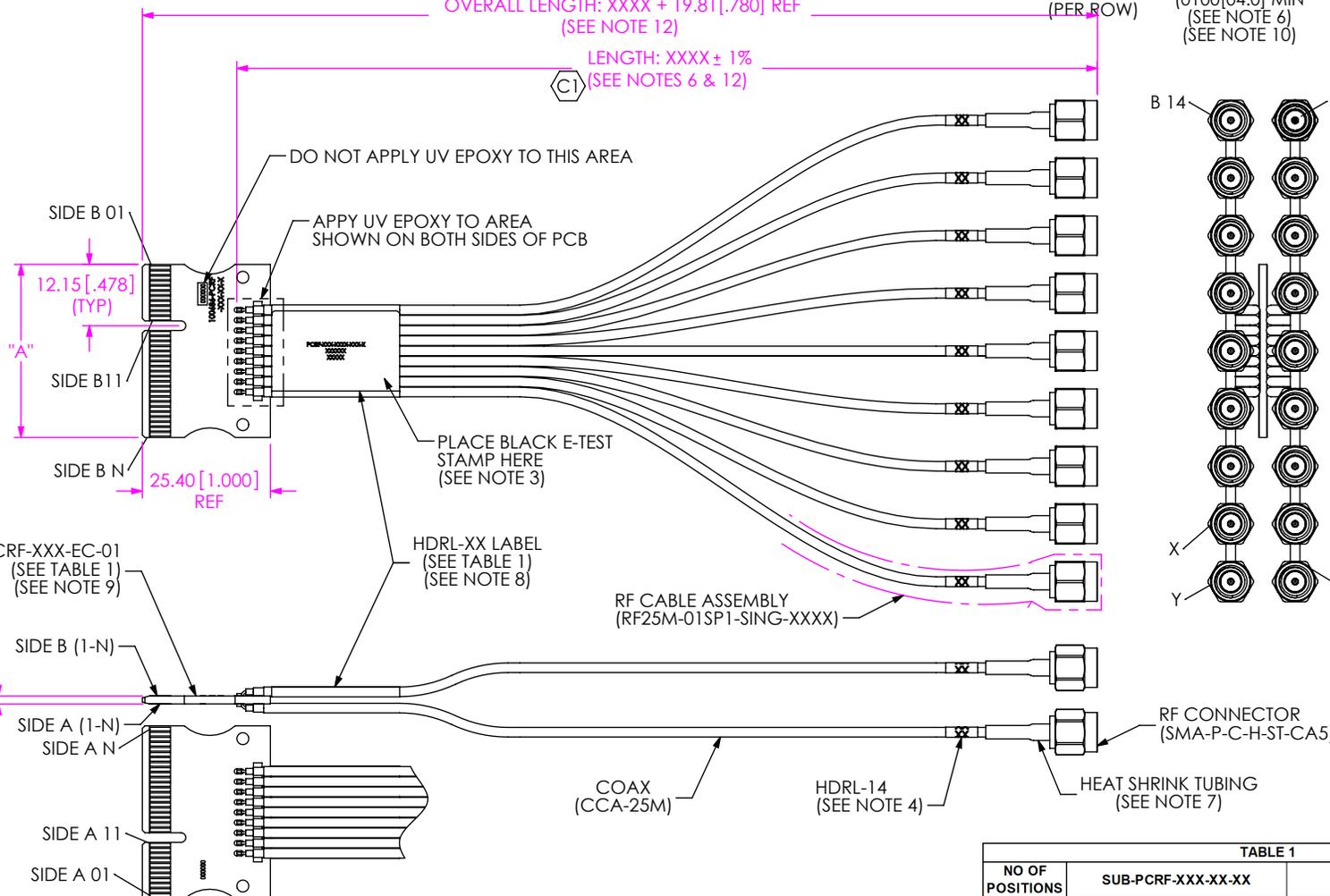


TABLE 3 - EC ONLY

No OF POSITIONS	X	Y	Z
036	B 15	A 17	A 16
064	B 28	A 30	A 29
098	B 46	A 48	A 47
164	B 79	A 81	A 80

SUB-PCRF-XXX-EC-01 (SEE TABLE 1) (SEE NOTE 9)

HDRL-XX LABEL (SEE TABLE 1) (SEE NOTE 8)

- NOTES:
1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
 2. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS & OPENS.
 3. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V. AFTER FINAL ELECTRICAL TEST, PLACE BLACK E-TEST STAMP ON HDRL-XX WHERE SHOWN. DO NOT OVERLAP LABEL INFO.
 4. WRAP HDRL-14 LABEL AROUND EACH CABLE; EACH LABEL TO INCLUDE CORRESPONDING CARD EDGE PAD NUMBER (-EC REF TABLE 3, -EM REF TABLE 5). NUMBER TO BE PRINTED ON LABEL TWO TIMES SO IT CAN BE VIEWED FROM ANY ANGLE (EX. "A14").
 5. PACKAGE ASSEMBLIES IN ANTI-STATIC & STATIC DISSIPATION BAGS.
 6. LENGTH IS EQUAL TO THE CORRESPONDING RFXXX OVERALL CABLE LENGTH. PCRF LENGTH IS METRIC AND RFXXX LENGTH IS METRIC.
 7. RF CONNECTOR TO CABLE TRANSITION AREA TO BE COVERED WITH SHRINK WRAP JACKET.
 8. HDRL-XX LABEL TO BE PLACED ON TOP SET OF CABLES AS SHOWN; LABEL TO CONTAIN PART NUMBER, SHOP ORDER, & DATE CODE.
 9. EDGE CARD DESIGNED TO MATE WITH PCI EXPRESS CONNECTOR.
 10. CABLE LENGTHS LONGER THAN 1016 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA.
 11. NO POWER LINES CREATES A NO CONNECT CONDITION. SIDE B POS 1, 2, & 3 ARE NETS. SIDE A POS 9 & 10 ARE NETS. 3.3V AUX IS NOT INCLUDED IN THE 3.3V NET.
 12. FOR CABLE LENGTHS LESS THAN 127MM, CABLE LENGTH AND OVERALL LENGTH TOLERANCE IS ±1.27MM. FOR CABLE LENGTHS GREATER THAN 127MM, USE ±1% FOR BOTH.

TABLE 1

NO OF POSITIONS	SUB-PCRF-XXX-XX-XX	"A"	N	QTY OF COAX CABLES	LABEL
-36	SUB-PCRF-036-EC-01	20.30 [0.799]	18	6	HDRL-11
-64	SUB-PCRF-064-EC-01	34.30 [1.350]	32	18	HDRL-13
-98	SUB-PCRF-098-EC-01	51.30 [2.020]	49	34	HDRL-13
-164	SUB-PCRF-164-EC-01	84.30 [3.319]	82	66	HDRL-13

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE:

DECIMALS ANGLES
 .X: ±0.3 [.01] 2°
 .XX: ±0.13 [.005]
 .XXX: ±0.051 [.0020]

PROPRIETARY NOTE
 THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail info@SAMTEC.com code 55322

FIG 2
-EM OPTION
SAME AS FIG 1 EXCEPT WHERE SHOWN
(PCRF-036-XXXX-EM-SMA-P-1)

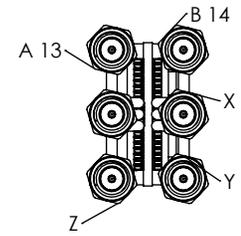
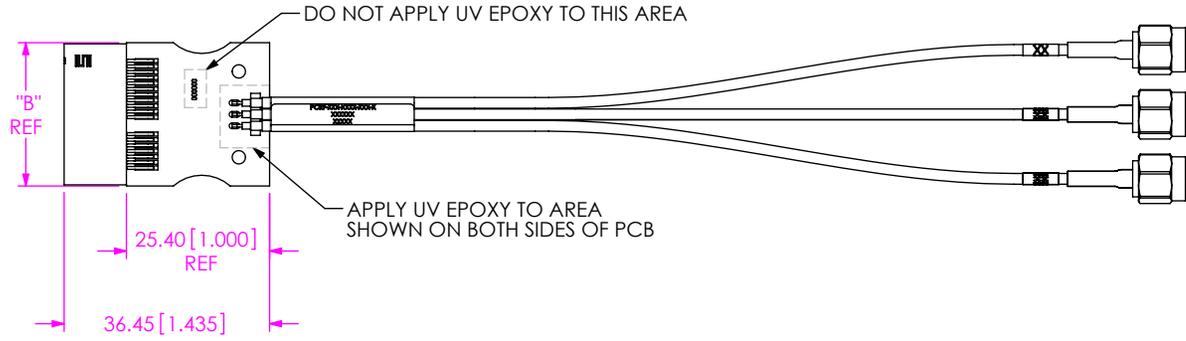
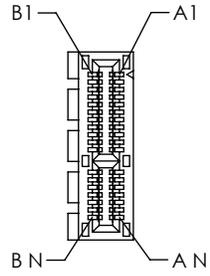
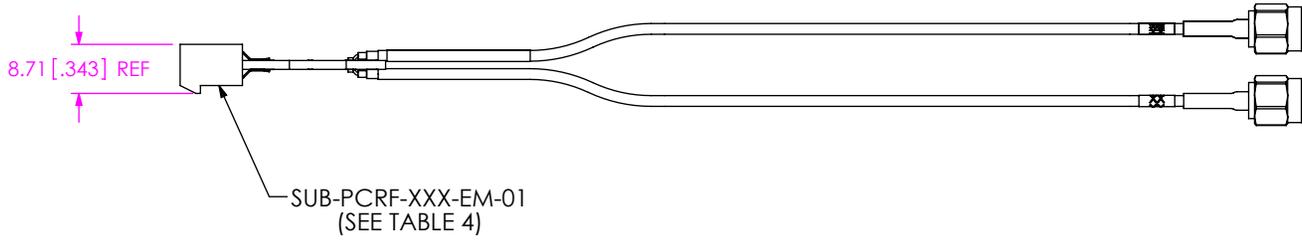


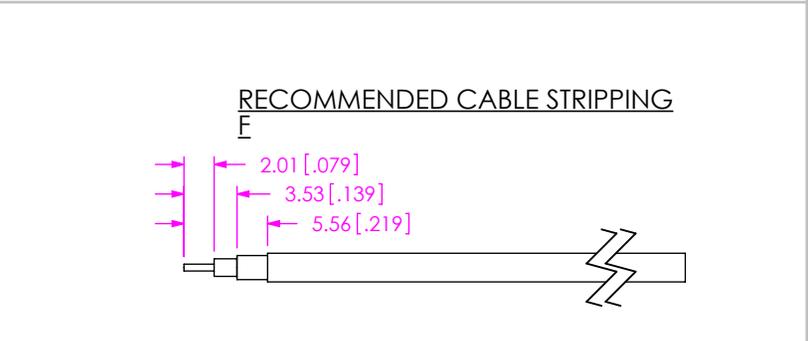
TABLE 5 - EM ONLY

No OF POSITIONS	X	Y	Z
036	B 15	A 17	A 16
064	B 28	A 30	A 29
098	B 46	A 48	A 47
164	B 79	A 81	A 80



**TABLE 4
(PCRF-XXX-XXXX-EM-XXX-X-X)**

NO OF POSITIONS	SUB-PCRF-XXX-EM-XX	"B"	N	QTY OF COAX CABLES	LABEL
-36	SUB-PCRF-036-EM-01	25.40 [1.000]	18	6	HDRL-11
-64	SUB-PCRF-064-EM-01	39.40 [1.551]	32	18	HDRL-13
-98	SUB-PCRF-098-EM-01	56.39 [2.220]	49	34	HDRL-13
-164	SUB-PCRF-164-EM-01	89.41 [3.520]	82	66	HDRL-13



PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

SHEET SCALE: 1:2

DESCRIPTION: PCRF CABLE ASSEMBLY
DWG. NO. PCRF-XXX-XXXX-XX-XXX-X-X
BY: J. BORGELT 1/22/07 SHEET 2 OF 3

REVISION L

TABLE 2
PIN OUT

SIDE B POSITION NUMBERS	DESCRIPTION	B SIDE CABLE LABELS	SIDE A POSITION NUMBERS	DESCRIPTION	A SIDE CABLE LABELS	SIDE B POSITION NUMBERS	DESCRIPTION	B SIDE CABLE LABELS	SIDE A POSITION NUMBERS	DESCRIPTION	A SIDE CABLE LABELS
1	NO CONNECT		1	NO CONNECT		42	SIGNAL	B 42	42	GROUND	
2	NO CONNECT		2	GROUND		43	GROUND		43	SIGNAL	A 43
3	NO CONNECT		3	GROUND		44	GROUND		44	SIGNAL	A 44
4	GROUND		4	GROUND		45	SIGNAL	B 45	45	GROUND	
5	NO CONNECT		5	NO CONNECT		46	SIGNAL	B 46	46	GROUND	
6	NO CONNECT		6	NO CONNECT		47	GROUND		47	SIGNAL	A 47
7	GROUND		7	NO CONNECT		48	NO CONNECT		*48	SIGNAL	A 48
8	GROUND		8	NO CONNECT		49	GROUND		49	GROUND	
9	NO CONNECT		9	NO CONNECT		END OF 98 POSITION EDGE CARD					
10	NO CONNECT		10	NO CONNECT		50	SIGNAL	B 50	50	NO CONNECT	
11	NO CONNECT		11	NO CONNECT		51	SIGNAL	B 51	51	GROUND	
MECHANICAL KEY						52	GROUND		52	SIGNAL	A 52
12	NO CONNECT		12	GROUND		53	GROUND		53	SIGNAL	A 53
13	GROUND		13	SIGNAL	A 13	54	SIGNAL	B 54	54	GROUND	
14	SIGNAL	B 14	14	SIGNAL	A 14	55	SIGNAL	B 55	55	GROUND	
15	SIGNAL	B 15	15	GROUND		56	GROUND		56	SIGNAL	A 56
16	GROUND		16	SIGNAL	A 16	57	GROUND		57	SIGNAL	A 57
17	NO CONNECT		*17	SIGNAL	A 17	58	SIGNAL	B 58	58	GROUND	
18	GROUND		18	GROUND		59	SIGNAL	B 59	59	GROUND	
END OF 36 POSITION EDGE CARD						60	GROUND		60	SIGNAL	A 60
19	SIGNAL	B 19	19	NO CONNECT		61	GROUND		61	SIGNAL	A 61
20	SIGNAL	B 20	20	GROUND		62	SIGNAL	B 62	62	GROUND	
21	GROUND		21	SIGNAL	A 21	63	SIGNAL	B 63	63	GROUND	
22	GROUND		22	SIGNAL	A 22	64	GROUND		64	SIGNAL	A 64
23	SIGNAL	B 23	23	GROUND		65	GROUND		65	SIGNAL	A 65
24	SIGNAL	B 24	24	GROUND		66	SIGNAL	B 66	66	GROUND	
25	GROUND		25	SIGNAL	A 25	67	SIGNAL	B 67	67	GROUND	
26	GROUND		26	SIGNAL	A 26	68	GROUND		68	SIGNAL	A 68
27	SIGNAL	B 27	27	GROUND		69	GROUND		69	SIGNAL	A 69
28	SIGNAL	B 28	28	GROUND		70	SIGNAL	B 70	70	GROUND	
29	GROUND		29	SIGNAL	A 29	71	SIGNAL	B 71	71	GROUND	
30	NO CONNECT		*30	SIGNAL	A 30	72	GROUND		72	SIGNAL	A 72
31	NO CONNECT		31	GROUND		73	GROUND		73	SIGNAL	A 73
32	GROUND		32	NO CONNECT		74	SIGNAL	B 74	74	GROUND	
END OF 64 POSITION EDGE CARD						75	SIGNAL	B 75	75	GROUND	
33	SIGNAL	B 33	33	NO CONNECT		76	GROUND		76	SIGNAL	A 76
34	SIGNAL	B 34	34	GROUND		77	GROUND		77	SIGNAL	A 77
35	GROUND		35	SIGNAL	A 35	78	SIGNAL	B 78	78	GROUND	
36	GROUND		36	SIGNAL	A 36	79	SIGNAL	B 79	79	GROUND	
37	SIGNAL	B 37	37	GROUND		80	GROUND		80	SIGNAL	A 80
38	SIGNAL	B 38	38	GROUND		81	NO CONNECT		*81	SIGNAL	A 81
39	GROUND		39	SIGNAL	A 39	82	NO CONNECT		82	GROUND	
40	GROUND		40	SIGNAL	A 40	END OF 164 POSITION EDGE CARD					
41	SIGNAL	B 41	41	GROUND							

* IF THIS IS LAST POSITION ON CARD THEN IT WILL BE CROSSED OVER AND BE LAST SMA ON SIDE "B"

SIDE B POS 1, 2, & 3, SIDE A POS 9 & 10 NEED TO SEE NOTE 11.

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.



520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

SHEET SCALE: 3:4

DESCRIPTION: PCRF CABLE ASSEMBLY

DWG. NO. PCRF-XXX-XXXX-XX-XXX-X-X

BY: J. BORGELT 1/22/07 SHEET 3 OF 3