

PARTS LIST

2/3/2009 4:28 PM

FIBER-SPAN 111 Corporate Blvd South Plainfield, NJ 07080 908-754-0646		MODEL / PRODUCT:	NEXT ASSY:	ASSY TITLE:	PART LIST / ASSY NO.:					
			52500-02-11	PWR AMPLIFIER, 1st STAGE	305-0142-BOM					
		PROGRAM MANAGER:	CHARGE #:	NOTES: 1. CR2, U1 AND U2 ARE INSTALLED AT NEXT ASSEMBLY. 2. FOR P/N -1 (464-488 MHz), U1 IS ASC305; FOR P/N-2 (806-869 MHz), U1 IS ASC302. 2. FOR P/N-2 (800-960 MHz), U1 IS ASC51. * DISREGARD ALL GRAY HIGHLIGHTED SECTIONS. * 800 MHz CONFIGURATION * Items Containing a FS P/N will be supplied by FS						
		SDS	01283							
		ISSUED BY:	DATE:							
		SS	3/21/2008							
		APPROVED BY:	DATE:							
REV:	DATE:									
	C	3/21/2008								
FILE:	PL52500-0310-A	ECN #:	EFFECTIVE DATE:							
ER #:										
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR	
1			52500-03-10	ASSEMBLY DRAWING	REF					
2			52500-04-10	SCHEMATIC	REF					
3		310-0178	52500-07-11	PRINTED CIRCUIT BOARD	1					
4										
5										
6	C1-3		C11AH101J5TXL	CAP,PORCELAIN CHIP	3	100pF			DEIL. LAB	
7	C4		ECE-A1EN220X	CAP,ALUM ELEC,25V,SU RADIAL	1	22uF			PANASONIC	
8	C5,C11,C13,C24		ECJ-1VB1E104K	CAP,CER CHIP,X7R,25V,0603	4	0.1uF			PANASONIC	
9	C6,C25-26		ECJ-1VC1H102J	CAP,CER CHIP,NPO,50V,0603	3	1000pF			PANASONIC	
10	C7		ECJ-1VC1H101J	CAP,CER CHIP,NPO,50V,0603	1	100pF			PANASONIC	
11	C8		T350E106K025AS	CAP,TANTALUM,25V,10%,RADIAL	1	10uF			KEMET	
12	C9,C14		ECS-T1EX225R	CAP,CHIP TANT,25V,1412	2	2.2uF			PANASONIC	
13	C10		ECJ-1VB1H103K	CAP,CER CHIP,X7R,50V,0603	1	.01uF			PANASONIC	
14	C12		ECJ-1VB1E473K	CAP,CER CHIP,X7R,25V,0603	1	.047uF			PANASONIC	
15										
16										
17	CR1		1N5400	DIODE,SCHOTTKY,50V,3A,DO-201A	1				GEN'L SEMI.	
18	CR2	SEE NOTE 1	LM135H	PRECISION TEMP. SENSOR	1				NAT'L SEMI.	

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<i>FIBER-SPAN</i>				ASSY TITLE:	PART LIST NO.: 305-0142-BOM				
				PWR AMPLIFIER, 1st STAGE	REV:	C			
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
19	FL1-2		LFCN-1000	FILTER,LOW PASS,DC-1000 MHz	2				MINI-CKTS
20	L1		EXC-ML45A910H	FERRITE BEAD,1806 SMD	1	91 OHMS			PANASONIC
21									
22	R1		ALSR-3-.50	RES,WIREWOUND,3W	1	0.5			HUNT. ELEC.
23	R2		ERJ-3EKF3651V	RES,CHIP,1/10W,1%,0603	1	3.65K			PANASONIC
24	R3		ERJ-3EKF-2672V	RES,CHIP,1/10W,1%,0603	1	26.7K			PANASONIC
25	R4		RL1632R-R075-F	RES,CHIP,1/2W,1%,1206	1	0.075			SUSUMU
26	R5		ERJ-3EKF3830V	RES,CHIP,1/10W,1%,0603	1	383			PANASONIC
27	R6		ERJ-3EKF4221V	RES,CHIP,1/10W,1%,0603	1	4.22K			PANASONIC
28	R7-8		ERJ-3EKF1820V	RES,CHIP,1/10W,1%,0603	2	182			PANASONIC
29	R9		ERJ-3GEYJ105V	RES,CHIP,1/10W,5%,0603	1	1M			PANASONIC
30	R26		ERJ-3GEYJ101V	RES,CHIP,1/10W,5%,0603	1	100			PANASONIC
31	R27		ERJ-3GEYJ512V	RES,CHIP,1/10W,5%,0603	1	5.1K			PANASONIC
32	R28		ERJ-3GEYJ100V	RES,CHIP,1/10W,5%,0603	1	10			PANASONIC
33	R29-30		ERJ-3GEYJ222V	RES,CHIP,1/10W,5%,0603	2	2.2K			PANASONIC
34									
35	U1	495-0058	SEE NOTES 1 & 2	IC, HYBRID AMPL,4W LIN.	1				AMPL. SOLUTIONS
36	U2		LT1764ET	IC,VOLT REG, ADJ w/SHDN,TO-220-5	1				LINEAR TEC
37	U3		ZXCT1010E5	IC,CURRENT MONITOR,TO-23-5	1				ZETEX
38	U4		LTC1042CN8	IC, WINDOW COMPARATOR,8-DIP	1				LINEAR TEC
39	U7		MC78L05ABP	IC,VOLT EWG,+5V,100mA,TO-92	1				MOTOROLA
40	U8		MC33171D	IC,OP-AMP,LP,SO8	1				STM
41									
42									
43			RG-405	CABLE, COAX, SEMI-RIGID, .086 DIA	A/R				
44									

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<i>FIBER-SPAN</i>				ASSY TITLE:	PART LIST NO.: 305-0143-BOM				
				PWR AMPL, FINAL STAGE	REV:	C			
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
19	FL1		LFCN-1000	FILTER,LOW PASS,DC-1000 MHz	1				MINI-CKTS
20	FL2		LFCN-1325	FILTER,LOW PASS,DC-1325 MHz	1				MINI-CKTS
21									
22	L1		EXC-ML45A910H	FERRITE BEAD,1806 SMD	1	91 OHMS			PANASONIC
23									
24	R1,R2-3		NOT USED						
25	R14		ERJ-3GEYJ	RES, CER. CHIP, 0603	3	SAT			PANASONIC
26	R4		RL1632T-R027-F	RES,CHIP,1/2W,1%,1206	1	0.027			SUSUMU
27	R5		ERJ-3EKF3830V	RES,CHIP,1/10W,1%,0603	1	383			PANASONIC
28	R6		ERJ-3EKF4221V	RES,CHIP,1/10W,1%,0603	1	4.22K			PANASONIC
29	R7-8		ERJ-3EKF1820V	RES,CHIP,1/10W,1%,0603	2	182			PANASONIC
30	R9		ERJ-3GEYJ105V	RES,CHIP,1/10W,5%,0603	1	1M			PANASONIC
31	R10		ERJ-3GEYJ511V	RES,CHIP,1/10W,1%,0603	1	510			PANASONIC
32	R11		ERJ-3GEYJ510V	RES,CHIP,1/10W,5%,0603	1	51			PANASONIC
33	R12		ERJ-3GEYJ102V	RES,CHIP,1/10W,5%,0603	1	1K			PANASONIC
34	R13,R25,R28		ERJ-3GEYJ100V	RES,CHIP,1/10W,5%,0603	3	10			PANASONIC
35	R15,R16		ERJ-3GEYJ472V	RES,CHIP,1/10W,5%,0603	2	4.7K			PANASONIC
36	R17		ERJ-3GEYJ223V	RES,CHIP,1/10W,5%,0603	1	22K			PANASONIC
37	R18-20		ERJ-3GEYJ103V	RES,CHIP,1/10W,5%,0603	3	10K			PANASONIC
38	R21		ERJ-3GEYJ821V	RES,CHIP,1/10W,5%,0603	1	820			PANASONIC
39	R22		ST5W102CT	POT,6mm,CERM SQ MT,SMD	1	1K			BC COMP
40	R23		ERJ-3GEYJ181V	RES,CHIP,1/10W,5%,0603	1	180			PANASONIC
41	R24,R26		ERJ-3GEYJ101V	RES,CHIP,1/10W,5%,0603	2	100			PANASONIC
42	R27		ERJ-3GEYJ512V	RES,CHIP,1/10W,5%,0603	1	5.1K			PANASONIC
43	R29-30		ERJ-3GEYJ222V	RES,CHIP,1/10W,5%,0603	2	2.2K			PANASONIC
44									

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<i>FIBER-SPAN</i>				ASSY TITLE:	PART LIST NO.: 305-0143-BOM				
				PWR AMPL, FINAL STAGE	REV:	C			
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
45	U1	495-0061	SEE NOTES 1 & 2	IC,HYBRID AMPL,10W LIN	1				AMPL. SOLUTIONS
46	U2		NOT USED						
47	U3		ZXCT1010E5	IC,CURRENT MONITOR,TO-23-5	1				ZETEX
48	U4		LTC1042CN8	IC,WINDOW COMPARATOR,8-DIP	1				LINEAR TEC
49	U5		LTC5505-1ES5	IC, RF DETECTOR	1				LINEAR TEC
50	U6		LT1366CS8	IC, DUAL OP-AMP	1				LINEAR TEC
51	U7	SEE NOTE 1	MC78L05ABP	IC,VOLT REG,+5V,100mA,TO-92	1				MOTOROLA
52	U8		MC33171D	IC,OP-AMP,LP,SO8	1				STM
53		490-0053 (Z1)							
54	Z1	SEE NOTE 1 & 3	U850SMICWH	ISOLATOR	1				MICROWAVE
55									
56			8021	WIRE, BUS, #22 AWG	A/R				BELDEN
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