

PARTS LIST

9/22/2008 3:19 PM

<i>Fiber-Span</i>				ASSY TITLE: TCC INPUT BOARD, VHF MB	PART LIST NO.: 305-0187-BOM				
					REV: A				
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
18	R2,R4		ERJ-3GEYJ103	RES,CHIP,1/10W,5%,0603	2	10K			PANASONIC
19	R3		30BJ250-10	RES,CARB COMP,1/4W,5%,w/1BD	1	10			XICON
20	R5		767-163-R10K	RES,NETWORK,SO-16	1	10K			CTS
21	R6		ERJ-1TNF137U	RES,CHIP,1/W,1%,2512	1	137			PANASONIC
22	R11		ERJ-3GEYJ680	RES,CHIP,1/10W,5%,0603	1	68			PANASONIC
23	R12 R16		ERJ-8GEYJ271	RES,CHIP,1/4W,5%,1206	2	270			PANASONIC
24	U1		SN74HC04D	IC,HEX INVERTER	1				TI
25	U2		SGA-3586	IC,MMIC AMPLIFIER	1				SIRENZA
26	U3-4		SGA-2486	IC,MMIC AMPLIFIER	2				SIRENZA
27	U5		LM2940S-8.0	IC,VOLT REG,LDO,+8V,1A,T0-263	1				NATIONAL
28	U6		ZSR500G	IC,VOLTAGE REG,+5V	1				ZETEX
29	Z1	640-0042	HMJ5	IC,FET MIXER	1				WJ
30			56-590-65/3BC	FERRITE BEAD	6				ELNA
31			1422AS-30B	WIRE, #30 AWG WIRE-WRAP, BLUE	A/R				ADVANCE
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PARTS LIST

9/22/2008 3:28 PM

Fiber-Span 111 Corporate Blvd South Plainfield, NJ 07080 908-754-0647		MODEL / PRODUCT:	NEXT ASSY:	ASSY TITLE: TCC INPUT BOARD, VHF HB	PART LIST / ASSY NO.: 305-0188-BOM					
		PROGRAM MANAGER:	CHARGE #:	NOTES:						
		ISSUED BY: SS	DATE: 8/1/2008							
		APPROVED BY:	DATE:							
		REV: A	DATE: 8/1/2008							
FILE: 305-0188-BOM	ECN #:	EFFECTIVE DATE:								
ER #:										

ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
1		305-0186-ASY		ASSEMBLY DRAWING	REF				
2		305-0186-SCH		SCHEMATIC	REF				
3		310-0191		PRINTED CIRCUIT BOARD	1				
4									
5	AT1		AT-220	IC,ATTENUATOR,DIGITAL,4 - BIT	1				MACOM
6									
7	C1,C5,C8,C12		ECJ-1VC1H101J	CAP,CHIP,NPO,50V,0603	4	100pF			PANASONIC
8	C2,C6-7,C10, C13-15,C17-18		ECJ-1VC1H1-2J	CAP,CHIP,NPO,50V,0603	9	1000pF			PANASONIC
9	C3-4,C21-22		ECJ-1VB1E104K	CAP,CHIP,X7R,25V,0603	4	0.1uF			PANASONIC
10	C19		C1206C474K5RAC	CAP,CHIP,X7R,50V,1206	1	0.47uF			KEMET
11	C20		T494D226K016AS	CAP,TANTALUM,LOW ESR,16V	1	22uF			KEMET
12	CR1		B340LA	DIODE,SCHOTTKY,40V,3Amp	1				DIODE INC
13	FL1	515-0043	TT6715B-165M	HELICAL FILTER,3 SECT,7mm	1	165-BW3			TEMWEL
14	FL2,FL5		LFCN-120	FILTER,CHIP,LOW PASS,120MHz	2				MINI-CKT
15	FL3,FL4	665-0030	MF90RB3	FILTER,CHIP,LOW PASS,120MHz	2				MINI-CKT
16	L1-3	700-0066	90-08	IND,CHOKE w/FERRITE BEAD	3	0.39uHy			COILCRAFT
17	R1		30BJ250-10	RES,CARB COMP,1/4W,5%,w/2BD	1	10			XICON

PARTS LIST

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<i>Fiber-Span</i>				ASSY TITLE:	PART LIST NO.: 305-0188-BOM				
				TCC INPUT BOARD, VHF HB	REV:	A			
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
18	R2,R4		ERJ-3GEYJ103	RES,CHIP,1/10W,5%,0603	2	10K			PANASONIC
19	R3		30BJ250-10	RES,CARB COMP,1/4W,5%,w/1BD	1	10			XICON
20	R5		767-163-R10K	RES,NETWORK,SO-16	1	10K			CTS
21	R6		ERJ-1TNF137U	RES,CHIP,1/W,1%,2512	1	137			PANASONIC
22	R11		ERJ-3GEYJ680	RES,CHIP,1/10W,5%,0603	1	68			PANASONIC
23	R12 R16		ERJ-8GEYJ271	RES,CHIP,1/4W,5%,1206	2	270			PANASONIC
24	U1		SN74HC04D	IC,HEX INVERTER	1				TI
25	U2		SGA-3586	IC,MMIC AMPLIFIER	1				SIRENZA
26	U3-4		SGA-2486	IC,MMIC AMPLIFIER	2				SIRENZA
27	U5		LM2940S-8.0	IC,VOLT REG,LDO,+8V,1A,T0-263	1				NATIONAL
28	U6		ZSR500G	IC,VOLTAGE REG,+5V	1				ZETEX
29	Z1	640-0042	HMJ5	IC,FET MIXER	1				WJ
30			56-590-65/3BC	FERRITE BEAD	6				ELNA
31			1422AS-30B	WIRE, #30 AWG WIRE-WRAP, BLUE	A/R				ADVANCE
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PARTS LIST

9/29/2008 9:14 AM

Fiber-Span 111 Corporate Blvd South Plainfield, NJ 07080 908-754-0647		MODEL / PRODUCT:	NEXT ASSY:	ASSY TITLE:	PART LIST / ASSY NO.:					
		PROGRAM MANAGER:	CHARGE #:	TCC OUTPUT BOARD,VHF LB 305-00189-BOM NOTES:						
		ISSUED BY:	DATE:							
		APPROVED BY:	DATE:							
		REV:	DATE:							
FILE: 305-0189-BOM	ECN #:	EFFECTIVE DATE:								
ER #:										

ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
1		305-0189-ASY		ASSEMBLY DRAWING	REF				
2		305-0189-SCH		SCHEMATIC	REF				
3		310-0192		PRINTED CIRCUIT BOARD	1				
4					1				
5	C1,C3,C5-6,C10 C11,C16,C18-19		ECJ-1VC1H102J	CAP,CHIP,NPO,50V,0603	9	1000pF			PANASONIC
6	C2,C4,C14-15, C20-23,C28		ECJ-1VB1E104K	CAP,CHIP,X7R,25V,0603	9	0.1uF			PANASONIC
7	C7-8,C27		ECJ-1VC1H101J	CAP,CHIP,NPO,50V,0603	3	100pF			PANASONIC
8	C12		ECJ-1VB1H103K	CAP., CER. CHIP, 50V X7R 0603	1	.01uF			PANASONIC
9	C13		ECS-H1DX225R	CAP,CHIP,TANTALUM,20V,3528-21	1	2.2uF			PANASONIC
10									
11	CR1		B340LA	DIODE,SCHOTTKY RECTIFIER	1				DIODES, INC
12									
13	DC1		DBTC-20-4+	DIRECTIONAL COUPLER	1				MINI-CKT
14									
15	FL2	665-0010	MF90UB4	CRYSTAL FILTER,w/MAT XFR,90MHz	1				TEW
16	FL3		LFCN-120	FILTER,CHIP,LOW PASS,120MHz	1				MINI-CKT

PARTS LIST

9/29/2008 9:14 AM

<i>Fiber-Span</i>				ASSY TITLE:	PART LIST NO.: 305-00189-BOM				
				TCC OUTPUT BOARD,VHF LB	REV:	A			
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
17	FL4-6	515-0044	TT6821B-150M	HELICAL FILTER, 3 SECT,7mm	3	150-BW4			TEMWELL
18									
19	L1		5T-22-3/32	IND,WW,w/2 BEADS	1	5T			
20	L2	700-0066	90-08	IND,CHOKE,w/BEAD	1	0.39uHy			COILCRAFT
21									
22	R1		ERJ-3GEYJ560	RES, CER. CHIP, 5% 0603	1	56			PANASONIC
23	R2,R4,R8		ERJ-3GEYJ100	RES,CHIP,1/10W,5%.0603	3	10			PANASONIC
24	R3,R5-6		ERJ-3GEYJ181	RES,CHIP,1/10W,5%,0603	3	180			PANASONIC
25	R7		ERJ-1TNF137U	RES,CHIP,1W,1%,2512	1	137			PANASONIC
26	R9-13		ERJ-3GEYJ103	RES,CHIP,1/10W,5%,0603	5	10K			PANASONIC
27	R14		ERJ-3GEYJ225	RES,CHIP,1/10W,5%,0603	1	2.2M			PANASONIC
28	R15		ERJ-3GEYJ222	RES,CHIP,1/10W,5%,0603	1	2.2K			PANASONIC
29	R16		ERJ-3GEYJ202	RES,CHIP,1/10W,5%,0603	1	2K			PANASONIC
30	R17		3339P-202	RESISTOR, VAR.	1	2K			BOURNS
31	R18		ERJ-8GEYJ271	RES,CHIP,1/4W,5%,1206	1	270			PANASONIC
32									
33	U1		AD8306AR	IC,LIMITING-LOG AMP w/RSSI	1				ANLOG DEV
34	U2		SGA-3586	IC,MMIC AMPLIFIER	1				SIRENZA
35	U3		LM2903M	IC,DUAL COMP	1				NATIONAL
36	U4		ZSR500G	VOLTAGE REG, +5V	1				ZETEX
37	U5		SGA-2486	IC,MMIC AMPLIFIER	1				SIRENZA
38	U6		ZSR800G	VOLTAGE REG, +8V	1				ZETEX
39	U7		78L05ABP	VOLTAGE REG, +5V,TO-92	1				NATIONAL
40	AT1		LAT-30	ATTENUATOR,CHIP	1	30dB			MINI-CKT
41	Z1		ADE-2ASK	FREQ. MIXER	1				MINI-CKT
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PARTS LIST

9/29/2008 9:14 AM

<i>Fiber-Span</i>				ASSY TITLE:	PART LIST NO.: 305-00189-BOM				
				TCC OUTPUT BOARD,VHF LB	REV:	A			
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
43			56-590-65/3BC	FERRITE BEAD	3				ELNA
44			HC 13000-3	CABLE, COAX, SEMI-RIGID, .047 DIA	A/R				HAVERHILL
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PARTS LIST

9/29/2008 9:18 AM

Fiber-Span 111 Corporate Blvd South Plainfield, NJ 07080 908-754-0647		MODEL / PRODUCT:	NEXT ASSY:	ASSY TITLE:	PART LIST / ASSY NO.:					
				TCC OUTPUT BOARD,VHF MB	305-0190-BOM					
		PROGRAM MANAGER:	CHARGE #:	NOTES:						
		ISSUED BY:	DATE:							
		APPROVED BY:	DATE:							
REV:	DATE:									
FILE: 305-0190-BOM ER #:		ECN #:	EFFECTIVE DATE:							

ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
1		305-0190-ASY		ASSEMBLY DRAWING	REF				
2		305-0190-SCH		SCHEMATIC	REF				
3		310-0192		PRINTED CIRCUIT BOARD	1				
4					1				
5	C1,C3,C5-6,C10 C11,C16,C18-19		ECJ-1VC1H102J	CAP,CHIP,NPO,50V,0603	9	1000pF			PANASONIC
6	C2,C4,C14-15, C20-23,C28		ECJ-1VB1E104K	CAP,CHIP,X7R,25V,0603	9	0.1uF			PANASONIC
7	C7-8,C27		ECJ-1VC1H101J	CAP,CHIP,NPO,50V,0603	3	100pF			PANASONIC
8	C12		ECJ-1VB1H103K	CAP., CER. CHIP, 50V X7R 0603	1	.01uF			PANASONIC
9	C13		ECS-H1DX225R	CAP,CHIP,TANTALUM,20V,3528-21	1	2.2uF			PANASONIC
10									
11	CR1		B340LA	DIODE,SCHOTTKY RECTIFIER	1				DIODES, INC
12									
13	DC1		DBTC-20-4+	DIRECTIONAL COUPLER	1				MINI-CKT
14									
15	FL2	665-0010	MF90UB4	CRYSTAL FILTER,w/MAT XFR,90MHz	1				TEW
16	FL3		LFCN-120	FILTER,CHIP,LOW PASS,120MHz	1				MINI-CKT

PARTS LIST

9/29/2008 9:18 AM

<i>Fiber-Span</i>				ASSY TITLE:	PART LIST NO.: 305-0190-BOM				
				TCC OUTPUT BOARD,VHF MB	REV:	A			
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
17	FL4-6	515-0042	TT6714B-157M	HELICAL FILTER, 3 SECT,7mm	3	157-BW4			TEMWELL
18									
19	L1		5T-22-3/32	IND,WW,w/2 BEADS	1	5T			
20	L2	700-0066	90-08	IND,CHOKE,w/BEAD	1	0.39uHy			COILCRAFT
21									
22	R1		ERJ-3GEYJ560	RES, CER. CHIP, 5% 0603	1	56			PANASONIC
23	R2,R4,R8		ERJ-3GEYJ100	RES,CHIP,1/10W,5%.0603	3	10			PANASONIC
24	R3,R5-6		ERJ-3GEYJ181	RES,CHIP,1/10W,5%,0603	3	180			PANASONIC
25	R7		ERJ-1TNF137U	RES,CHIP,1W,1%,2512	1	137			PANASONIC
26	R9-13		ERJ-3GEYJ103	RES,CHIP,1/10W,5%,0603	5	10K			PANASONIC
27	R14		ERJ-3GEYJ225	RES,CHIP,1/10W,5%,0603	1	2.2M			PANASONIC
28	R15		ERJ-3GEYJ222	RES,CHIP,1/10W,5%,0603	1	2.2K			PANASONIC
29	R16		ERJ-3GEYJ202	RES,CHIP,1/10W,5%,0603	1	2K			PANASONIC
30	R17		3339P-202	RESISTOR, VAR.	1	2K			BOURNS
31	R18		ERJ-8GEYJ271	RES,CHIP,1/4W,5%,1206	1	270			PANASONIC
32									
33	U1		AD8306AR	IC,LIMITING-LOG AMP w/RSSI	1				ANLOG DEV
34	U2		SGA-3586	IC,MMIC AMPLIFIER	1				SIRENZA
35	U3		LM2903M	IC,DUAL COMP	1				NATIONAL
36	U4		ZSR500G	VOLTAGE REG, +5V	1				ZETEX
37	U5		SGA-2486	IC,MMIC AMPLIFIER	1				SIRENZA
38	U6		ZSR800G	VOLTAGE REG, +8V	1				ZETEX
39	U7		78L05ABP	VOLTAGE REG, +5V,TO-92	1				NATIONAL
40	AT1		LAT-30	ATTENUATOR,CHIP	1	30dB			MINI-CKT
41	Z1		ADE-2ASK	FREQ. MIXER	1				MINI-CKT
42									

PARTS LIST

9/29/2008 9:18 AM

<i>Fiber-Span</i>				ASSY TITLE: TCC OUTPUT BOARD,VHF MB	PART LIST NO.: 305-0190-BOM				
					REV: A				
ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
43			56-590-65/3BC	FERRITE BEAD	3				ELNA
44			HC 13000-3	CABLE, COAX, SEMI-RIGID, .047 DIA	A/R				HAVERHILL
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PARTS LIST

8/5/2008 1:45 PM

Fiber-Span 111 Corporate Blvd South Plainfield, NJ 07080 908-754-0646		MODEL / PRODUCT:	NEXT ASSY:	ASSY TITLE: TCC SYNTHESIZER BOARD	PART LIST / ASSY NO.: 305-0192-BOM				
		PROGRAM MANAGER:	CHARGE #:	NOTES: 1. PART # SPECIFIES A 72 PIN DUAL ROW CONNECTOR CONNECTOR. BREAK CONNECTOR INTO 6 PIN SEGMENTS AS REQUIRED.					
		ISSUED BY: SS	DATE: 8/5/2008						
		APPROVED BY:	DATE:						
		REV: A	DATE: 8/5/2008						
FILE: 305-0192-BOM	ECN #:	EFFECTIVE DATE:							
ER #:									

ITEM	REF DES	Fiber-Span P/N	MFR P/N	DESCRIPTION	QTY	VALUE	PREF	P/L	MFR
		305-0192-ASY		ASSEMBLY DRAWING	REF				Fiber-Span
		305-0192-SCH		SCHEMATIC	REF				Fiber-Span
1		310-0193		PRINTED CIRCUIT BOARD	1				Fiber-Span
2									
3	C1,C3,C8-9, C17-18,C25, C27-28,C31,C37, C49-51,C54-55		ECJ-1VB1E104K	CAP,CER CHIP,25V,X7R,0603	16	0.1uF			PANASONIC
4	C2,C4,C5-7,C10		ECJ-1VB1H103K	CAP,CER CHIP, 50V,X7R,0603	6	.01uF			PANASONIC
5	C11		ECJ-1VC1H471J	CAP,CER CHIP,50V,NPO,0603	1	470pF			PANASONIC
6	C12		ECJ-1VB1H472K	CAP,CER CHIP,50V,X7R,0603	1	4700pF			PANASONIC
7	C13		C1206C104K5RAC	CAP,CER CHIP,50V,X7R,1206	1	0.1uF			KEMET
8	C14		C1206C103K5RAC	CAP,CER CHIP,50V,X7R,1206	1	0.01uF			KEMET
9	C15,C16		ECJ-1VC1H220J	CAP,CER CHIP,50V,NPO,0603	2	22pF			PANASONIC
10	C19-23		ECJ-1VF1C474Z	CAP,CER CHIP,16V,Y5V,0603	5	0.47uF			PANASONIC
11	C25,C26		ECS-T1EY105R	CAP,TANT CHIP,25V,1206	2	1uF			PANASONIC