

- Project Name : Dual Band Repeater - Model N o: AVHR-5000 - Data: 2011-02-10								
No	Part Name	Part Number	Specification	Reference	Vender	Quantity	Unit	Remark
1	PCB	AVHR-2100 PCB	AVHR-2100 PCB Top, Bottom	-		1		
2	MMIC	SGC-4563Z	SGC-4563Z	A1, A4, A7, A8	RFMD	4		
3	MMIC	BT05CV	BT05CV	A2	BEREX	1		
4	MMIC	SGC-4263Z	SGC-4263Z	A3, A11	RFMD	2		
5	MMIC	SPF-5043Z	SPF-5043Z	A5, A6, A9	RFMD	3		
6	MMIC	BL081	BL081	A10	BEREX	1		
7	MMIC	SGC-4363Z	SGC-4363Z	A12	RFMD	1		
8	PAM	ACPM-7353	ACPM-7353	U21	AVAGO	1		
9	QUADPLEXER	ACFM-7107	ACFM-7107	U2, U3, U5, U31, U33, U34	AVAGO	6		
10	FBAR	ACMD-7402	ACMD-7402	F4, F5, F6, F9	AVAGO	4		
11	RF SAW DUPLEXER	SD8388B C2	SD8388B C2	F3, F7	SAWNICS	2		
12	CH SAWFILTER	SC0836CS2	SC0836CS2	U27	SAWNICS	1		
13	DIPLEXER	DX21TFAP02	DX21TFAP02	F2, F8	SAMSUNG	2		
14	EQ FILTER	SM881(EQ2)	SM881(EQ2)	F10	SGC	1		
15	EQ FILTER	SM1960(EQ2)	SM1960(EQ2)	F1	SGC	1		
16	EQ FILTER	SM836(EQ2)	SM836(EQ2)	F11	SGC	1		
17	EQ FILTER	SM1880(EQ2)	SM1880(EQ2)	F12	SGC	1		
18	Digital Attenuator	HMC542ALP4E	HMC542ALP4E	U1, U7, U22, U26	HITTITE	4		
19	Detector	LT5534	LT5534	U11, U16, U20, U23	LINEAR	4		
20	CPU	Atmega32A-AU(44A - TQFP)	Atmega32A-AU(44A - TQFP)	U15	ATMEGA	1		
21	X-TAL	LX-7(7.3728MHz)	LX-7(7.3728MHz)	Y1	L-tron	1		
22	Thermal PAD	STCA0604N7	STCA0604N7	C196, C197		2		
23	MATCHING CHIP	STDCWE-2.0	STDCWE-2.0	U12, U13	SIMPLEX	2		
24	REGULATOR	MIC5219-5.0VMS(500mA)	MIC5219-5.0VMS(500mA)	U8, U10, U18	MICREL	3		
25	REGULATOR	MIC5205-5.0VMS(150mA)	MIC5205-5.0VMS(150mA)	U6, U9, U17, U28, U29	MICREL	5		
26	REGULATOR	MIC5205-2.8VMS(150mA)	MIC5205-2.8VMS(150mA)	U24	MICREL	1		
27	REGULATOR	MIC29310-3.3WU	MIC29310-3.3WU	U14	MICREL	1		
28	TEMP SENSOR	LM50B/SOT23	LM50B/SOT23	U19	NATIONAL SEMI	1		
29	CONNECTOR	Malex 5268-04A	Malex 5268-04A	CON1	Molex	1		
30	PIN HEADER	2.54mm 2x3	2.54mm 2x3	CON2	대영전자	1		
31	CONNECTOR	FME-RA-male	FME-RA-male	CON3, CON4	한국전자	2		
32	DC-Jack	DC00050-H	DC00050-H	CON5	가나전자	1		
33	Modulized LED	I21 -RM	I21 -RM	LED1	일원일렉원	1		
34	SLIDE SWITCH	MS-12AAH1	MS-12AAH1	SW1	일원일렉원	1		
35	CHIP CAPACITOR	GRM1005C1H0R5C : 0.5pF	1005, 0.5pF, 50V, ±0.05pF (RoHS)	C48, C51, C125, C162, C170, C200, L14, L51	MURATA	8		
36	CHIP CAPACITOR	GRM1005C1H0R75C : 0.75pF	1005, 0.75pF, 50V, ±0.05pF (RoHS)	L52	MURATA	1		
37	CHIP CAPACITOR	GRM1005C1H1R0C : 1pF	1005, 1pF, 50V, ±0.05pF (RoHS)	C15, L3, L60	MURATA	3		
38	CHIP CAPACITOR	GRM1005C1H1R5C : 1.5pF	1005, 1.5pF, 50V, ±0.05pF (RoHS)	C174	MURATA	1		
39	CHIP CAPACITOR	GRM1005C1H2R0C : 2pF	1005, 2pF, 50V, ±0.05pF (RoHS)	L38	MURATA	1		
40	CHIP CAPACITOR	GRM1005C1H4R0C : 4pF	1005, 4pF, 50V, ±0.05pF (RoHS)	C14	MURATA	1		
41	CHIP CAPACITOR	GRM1005C1H5R0C : 5pF	1005, 5pF, 50V, ±0.05pF (RoHS)	C175	MURATA	1		
42	CHIP CAPACITOR	GRM1005C1H180C : 18pF	1005, 18pF, 50V, ±0.05pF (RoHS)	C68, C77	MURATA	2		
43	CHIP CAPACITOR	GRM1005C1H101C : 100pF	1005, 100pF, 50V, ±0.05pF (RoHS)	C5, C6, C7, C8, C9, C10, C11, C12, C13, C16, C17, C22, C23, C24, C29, C31, C34, C38, C39, C40, C41, C42, C46, C47, C49, C50, C52, C53, C57, C64, C65, C71, C72, C75, C76, C79, C81, C82, C84, C88, C89, C95, C103, C104, C112, C113, C114, C115, C116, C117, C118, C119, C120, C123, C124, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C147, C152, C154, C155, C156, C157, C158, C160, C161, C165, C166, C167, C171, C172, C173, C176, C177, C185, C186, C187, C188, C189, C190, C191, C192, C193, C194, C195, C198, C202, C204,	MURATA	103		
44	CHIP CAPACITOR	GRM1005C1H330C : 330pF	1005, 330pF, 50V, ±0.05pF (RoHS)	C18, C19, C20, C21, C59, C60, C61, C62, C140, C141, C142, C143, C181, C182, C183, C184	MURATA	16		
45	CHIP CAPACITOR	GRM1005C1H470C : 470pF	1005, 470pF, 50V, ±0.05pF (RoHS)	C35, C36, C37, C44, C91, C97, C139, C163, C164	MURATA	9		
46	CHIP CAPACITOR	GRM1005C1H102C : 1000pF	1005, 1000pF, 50V, ±0.05pF (RoHS)	C30, C98, C105, C122, C138, C199	MURATA	6		
47	CHIP CAPACITOR	GRM1005C1H104C : 100nF	1005, 100nF, 50V, ±0.05pF (RoHS)	C32, C69, C70, C83, C85, C101	MURATA	6		
48	CHIP CAPACITOR	GRM1005C1H105C : 1uF	1005, 1uF, 50V, ±0.05pF (RoHS)	C1, C25, C33, C43, C45, C54, C55, C56, C58, C67, C73, C74, C92, C94, C96, C100, C102, C106, C107, C108, C121, C145, C146, C148, C153, C159, C168, C178, C179, TC1, TC2, TC3, TC4, TC5, TC6, TC7, TC8, TC9, TC10, TC11, TC12, TC13, TC14, TC15, TC16, TC17, TC18, TC19, TC20, TC21, TC22, TC23, TC24, TC25, TC26, TC27, TC28	MURATA	30		
49	TANTAL CAPACITOR	TCSCS1C106MAAR : 10uF / 16V	TCSCS1C106MAAR : 10uF / 16V		SAMSUNG	28		
50	ALUMIUM TANTAL CAPACITOR	SC 35V 100uF 063X7.7 SMD	SC 35V 100uF 063X7.7 SMD	C87, C144	SAMYOUNG	2		
51	CHIP RESISTOR	MCR01MZPJ000 : 0 ohm	1005, 0 ohm, ±5% (RoHS)	R1, R2, R7, R8, R15, R16, R36, R37, R44, R45, R59, R61, R63, R67, R78, R79, R80, R81, R89, R97, R98, R99, R100, R127, R671, R68	ROHM	26		
52	CHIP RESISTOR	MCR01MZPJ180 : 18 ohm	1005, 18 ohm, ±5% (RoHS)	R11, R23, R39, R41, R84, R103	ROHM	6		
53	CHIP RESISTOR	MCR01MZPJ330 : 33 ohm	1005, 33 ohm, ±5% (RoHS)	R54, R56, R57, R58, R60, R62, R64, R66, R69, R70, R71,	ROHM	12		
54	CHIP RESISTOR	MCR01MZPJ430 : 43 ohm	1005, 43 ohm, ±5% (RoHS)	R22	ROHM	1		
55	CHIP RESISTOR	MCR01MZPJ470 : 47 ohm	1005, 47 ohm, ±5% (RoHS)	R113		1		
56	CHIP RESISTOR	MCR01MZPJ510 : 51 ohm	1005, 51 ohm, ±5% (RoHS)	R19, R26, R28, R29, R30, R68, R75, R91, R105, R115, R116, R117, R118, R119, R120, R124, R125, R126	ROHM	18		
57	CHIP RESISTOR	MCR01MZPJ620 : 62 ohm	1005, 62 ohm, ±5% (RoHS)	R122		1		
58	CHIP RESISTOR	MCR01MZPJ820 : 82 ohm	1005, 82 ohm, ±5% (RoHS)	R5, R6, R9, R10, R20, R21, R46, R47, R92, R93, R94, R95, R133, R134	ROHM	14		
59	CHIP RESISTOR	MCR01MZPJ101 : 100 ohm	1005, 100 ohm, ±5% (RoHS)	R121, R135		2		
60	CHIP RESISTOR	MCR01MZPJ121 : 120 ohm	1005, 120 ohm, ±5% (RoHS)	R25, R27		2		
61	CHIP RESISTOR	MCR01MZPJ151 : 150 ohm	1005, 150 ohm, ±5% (RoHS)	R112, R114		2		
62	CHIP RESISTOR	MCR01MZPJ301 : 300 ohm	1005, 300 ohm, ±5% (RoHS)	R12, R13, R14, R24, R34, R35, R38, R40, R73, R88, R107, R108	ROHM	12		
63	CHIP RESISTOR	MCR01MZPJ471 : 470 ohm	1005, 470 ohm, ±5% (RoHS)	R51, R55		2		
64	CHIP RESISTOR	MCR01MZPJ472 : 4.7K ohm	1005, 4.7K ohm, ±5% (RoHS)	R32, R74, R76, R197		4		
65	CHIP RESISTOR	MCR01MZPJ109 : 10K ohm	1005, 10K ohm, ±5% (RoHS)	R3, R4, R17, R18, R65, R82, R83, R101, R102	ROHM	9		
66	CHIP INDUCTOR	CI-B1005-1.2NSJT : 1.2nH	1.2nH	L9	Ceratech	1		
67	CHIP INDUCTOR	CI-B1005-2.7NSJT : 2.7nH	2.7nH	L72, L74, L79	Ceratech	3		
68	CHIP INDUCTOR	CI-B1005-3.9NSJT : 3.9nH	3.9nH	L50	Ceratech	1		
69	CHIP INDUCTOR	CI-B1005-5.6NSJT : 5.6nH	5.6nH	L47, L48, L76	Ceratech	3		
70	CHIP INDUCTOR	CI-B1005-6.8NSJT : 6.8nH	6.8nH	L55	Ceratech	1		
71	CHIP INDUCTOR	CI-B1005-8.2NJUT : 8.2nH	8.2nH	L46	Ceratech	1		
72	CHIP INDUCTOR	CI-B1005-100JT : 10nH	10nH	L15, L34	Ceratech	2		
73	CHIP INDUCTOR	CI-B1005-120JT : 12nH	12nH	L8	Ceratech	1		
74	CHIP INDUCTOR	CI-B1005-150JT : 15nH	15nH	L1, L2, L18, L23, L29	Ceratech	5		
75	CHIP INDUCTOR	CI-B1005-180JT : 18nH	18nH	L6, L7, L10, L16, L40, L41, L45, L69	Ceratech	8		
76	CHIP INDUCTOR	CI-B1005-101JT : 101nH	100nH	L20, L21, L22, L24, L31, L35, L37	Ceratech	7		
77	N/C	N/C	N/C	C2, C3, C4, C26, C27, C28, C63, C66, C78, C80, C86, C90, C93, C99, C109, C110, C111, C149, C150, C151, C169, C203, L4, L5, L11, L12, L13, L17, L19, L25, L26, L27, L28, L30, L32, L33, L36, L39, L42, L43, L44, L49, L53, L54, L56, L57, L58, L59, L61, L62, L63, L64, L65, L66, L70, L71, L73, L75, L77, L78, R128, R130				