

Project Name : Dual Band Repeater
Model No. : USHR-0819SS

Date : 2010.01.06.

No.	Part Name	Part Number	Specification	Reference Number	Vender	Q'ty	Unit	Remark
1	PCB				NEWGENTEK	1	EA	
2	MMIC	MGA-61563	MGA-61563	A1,A2,A3,A10	AVAGO	4	EA	
3	MMIC	BG13D	BG13D	A6,A13,A19,A22	BEREX	4	EA	
4	MMIC	BG18C	BG18C	A4,A5,A7,A8	BEREX	4	EA	
5	MMIC	SBB-5089Z	SBB-5089Z	A17,A21	SIRENZA	2	EA	
6	MMIC	SXA-389BZ	SXA-389BZ	A14,A16,A18,A20	SIRENZA	4	EA	
7	Multiplexer	SMP8388N1819AZ1	SMP8388N1819AZ1	MULTI-Z1	SAWNICS	1	EA	
8	Multiplexer	SMP8388N1819AZ2	SMP8388N1819AZ2	MULTI-Z2	SAWNICS	1	EA	
9	DUPLEXER	ACMD-7402	ACMD-7402	FL1,FL2,FL3,FL4,FL6,FL10	AVAGO	6	EA	
10	RF SAW	SC0836CS2	SC0836CS2	BPF3	SAWNICS	1	EA	
11	RF SAW	SC0881CS2	SC0881CS2	BPF4	SAWNICS	1	EA	
12	RF SAW	F1G93	F1G93	BPF6	ITF	1	EA	
13	RF SAW	F1G83	F1G83	BPF7,BPF12	ITF	2	EA	
14	RF SAW	F1G8814	F8814	BPF9	ITF	1	EA	
15	RF SAW	F1G8364	F8364	BPF10	ITF	1	EA	
16	BPF	ZBA-34R-1960EQ60D	ZBA-34R-1960EQ60D	FL5	ZENIX	1	EA	
17	BPF	ZBA-34R-1880EQ60D	ZBA-34R-1880EQ60D	FL7	ZENIX	1	EA	
18	ATTENUATOR	HMC624LP4	HMC624LP4 (0.5dB,31.5dB)	ATT3,ATT4,ATT5,ATT6	HITTITE	4	EA	
19	REGULATOR	TK71750	TK71750	U1,REG1,REG2,REG3,REG4, REG5,REG6,REG7,REG8	TOKO	9	EA	
20	DETECTOR	HMC713MS8	HMC713MS8	DET3,DET4,DET5,DET6	HITTITE	4	EA	
21	CHIP RESISTOR	MCR03EZHU000 : 0 Ohm	0603(1608) 0 Ohm 1/10W ±1% (RoHS)	R37,R39,R50,R51,R54,R55, R60,R61,R66,R67,R72,R73, R112,R113,R121,R124,R126, R127,R138,R139,R144,R145, R155,R156,R173,R174,R175,R176	SAMSUNG	28	EA	
22	CHIP RESISTOR	MCR03EZHU120 : 5.6 Ohm	0603(1608) 5.6 Ohm 1/10W ±5%	R44,R93	SAMSUNG	2	EA	
23	CHIP RESISTOR	MCR03EZHU120 : 12 Ohm	0603(1608) 12 Ohm 1/10W ±5%	R19,L24,R57,C59,R63,R87,C327	SAMSUNG	7	EA	
24	CHIP RESISTOR	MCR03EZHU330 : 33 Ohm	0603(1608) 33 Ohm 1/10W ±5%	R10,R11,R12,R14,R15,R18	SAMSUNG	6	EA	
25	CHIP RESISTOR	MCR03EZHU470 : 47 Ohm	0603(1608) 47 Ohm 1/10W ±5%	R46,R64,R114,R162	SAMSUNG	4	EA	
26	CHIP RESISTOR	MCR03EZHU510 : 51 Ohm	0603(1608) 51 Ohm 1/10W ±5%	R4,R20,R33,R48,R78,R88, R102,R131,R142,R165	SAMSUNG	10	EA	
27	CHIP RESISTOR	MCR03EZHU681 : 680 Ohm	0603(1608) 680 Ohm 1/10W ±5%	R5,R79,R80,R96	SAMSUNG	4	EA	
28	CHIP RESISTOR	MCR03EZHU101 : 100 Ohm	0603(1608) 100 Ohm 1/10W ±5%	R29,R32,R62,R74,R75,R77, R108,R109,R118,R125,R132, R134,R148,R149,R171,R172	SAMSUNG	16	EA	
29	CHIP RESISTOR	MCR03EZHU221 : 220 Ohm	0603(1608) 220 Ohm 1/10W ±5%	R52,R53,R76,R115, R116,R117,R163,R164	SAMSUNG	8	EA	
30	CHIP RESISTOR	MCR03EZHU301 : 300 Ohm	0603(1608) 300 Ohm 1/10W ±5%	R42,R43,R90,R123, C166,C316,C370,C60,C80	SAMSUNG	9	EA	
31	CHIP RESISTOR	MCR03EZHU471 : 470 Ohm	0603(1608) 470 Ohm 1/10W ±5%	R21,R23,R97,R183	SAMSUNG	4	EA	
32	CHIP RESISTOR	MCR03EZHU472 : 4.7 Kohm	0603(1608) 4.7 Kohm 1/10W ±5%	R1,R6,R8,R13,R180,R181	SAMSUNG	6	EA	
33	CHIP RESISTOR	MCR03EZHU103 : 10 Kohm	0603(1608) 10 Kohm 1/10W ±5%	R30,R31,R38,R70,R81,R82, R103,R104,R105,R106,R107, R110,R128,R129,R130,R133, R135,R136,R143,R147,R152, R168,R169,R170,R182	SAMSUNG	25	EA	
34	CHIP RESISTOR	MCR03EZHU105 : 1 Mohm	0603(1608) 1 Mohm 1/10W ±5%	R2,R3,R7,R9,R16,R17,R24,R178	SAMSUNG	8	EA	
35	TANTAL CAPACITOR	4.7uF 16V A-TYPE	4.7uF/16V, 20%, A-SIZE(3216) MURATA	C4,C7,C12,C13,C19,C27, C29,C30,C33,C41,C43,C45, C47,C48,C52,C56,C85,C209, C211,C260,C264	SAMSUNG	21	EA	
36	TANTAL CAPACITOR	10uF 25V C-TYPE	10uF 25V C-TYPE	C40	SAMSUNG	1	EA	
37	THERMISTOR	ECTH160808470H3150H : 47 Ohm	ECTH160808470H3150H : 47 Ohm ±5% 0603	R71,R151,R157,R177	JONSET	4	EA	
38	CHIP CAPACITOR	GRM1885C1H0R3C : 0.3pF	0603(1608), 0.3pF, 50V, 0.5% (RoHS)	C93,C369	SAMSUNG	2	EA	
39	CHIP CAPACITOR	GRM1885C1H0R3C : 0.5pF	0603(1608), 0.5pF, 50V, 0.5% (RoHS)	R49	SAMSUNG	1	EA	
40	CHIP CAPACITOR	GRM1885C1H0R7C : 0.75pF	0603(1608), 0.75pF, 50V, 0.5% (RoHS)	C65,C320	SAMSUNG	2	EA	
41	CHIP CAPACITOR	GRM1885C1H3R9C : 3.9pF	0603(1608), 3.9pF, 50V, 0.5% (RoHS)	C72,C207	SAMSUNG	2	EA	
42	CHIP CAPACITOR	GRM1885C1H1R0C : 1pF	0603(1608), 1pF, 50V, 0.5% (RoHS)	C90,C150,C222,C251,C254, C286,C289,C295,C329	SAMSUNG	9	EA	
43	CHIP CAPACITOR	GRM1885C1H2R2C : 2.2pF	0603(1608), 2.2pF, 50V, 0.5% (RoHS)	C165,C189,C242,C290	SAMSUNG	4	EA	
44	CHIP CAPACITOR	GRM1885C1H8R0C : 8pF	0603(1608), 8pF, 50V, 0.5% (RoHS)	C367,C396	SAMSUNG	2	EA	
45	CHIP CAPACITOR	GRM1885C1H300j : 30pF	0603(1608), 30pF, 50V, 0.5% (RoHS)	C261,C345,C356,C378	SAMSUNG	4	EA	
46	CHIP CAPACITOR	GRM1885C1H5R6C : 5.6pF	0603(1608), 5.6pF, 50V, 0.5% (RoHS)	C199,C234	SAMSUNG	2	EA	

47	CHIP CAPACITOR	GRM1885C1H220J : 22 pF	0603(1608) 22pF 50V ± 5% (RoHS)	C15, C21, L43, L60, C64, C195, C202, C238, C245, C287, C365, C376, C380, C395	SAMSUNG	14	EA	
48	CHIP CAPACITOR	GRM1885C1H680J : 68 pF	0603(1608) 68pF 50V ±5%	C32, R40, C63, R69, C78, C81, R83, R89, R120, R137, R153, R159, C198, C237, C240, C241, C252, C257, C258, C282, C285, C301, C322, C343, C364, C372, C381, C392, C394	SAMSUNG	29	EA	
49	CHIP CAPACITOR	GRM1885C1H101K : 100 pF	0603(1608) 100pF 50V ±5% (RoHS)	L18, L19, L23, R56, R65, R68, C68, C71, C86, R111, R119, C119, C134, C147, C152, C157, C161, C167, C173, C175, C177, C180, C181, C187, C190, C193, C194, C205, C208, C214, C225, C243, C250, C263, C300, C304, C311, C318, C328, C331	SAMSUNG	40	EA	
50	CHIP CAPACITOR	GRM1885C1H301K : 300 pF	0603(1608) 300pF 50V ±5% (RoHS)	C103, C104, C105, C148, C151, C154, C216, C217, C218, C219, C220, C221, C265, C266, C267, C268, C293, C294, C336, C338, C357, C358, C359, C360, C361, C362	SAMSUNG	26	EA	
51	CHIP CAPACITOR	GRM1885C1H470K : 47pF	0603(1608) 47pF 50V ±5%	L22, L25, C70, C87, C160, C200, C213, C236	SAMSUNG	8	EA	
52	CHIP CAPACITOR	GRM1885C1H104K : 100nF	0603(1608) 100nF 50V ±10% (RoHS)	C1, C2, C3, C5, C6, C8, C9, C10, C11, C14, C16, C17, C20, R22, C22, C23, C24, R25, C25, R26, R27, C31, C35, C36, C37, C38, C39, C46, C142, C224, C269, C309, C330	SAMSUNG	33	EA	
53	CHIP CAPACITOR	GRM188F51A105Z : 1uF	0603(1608) 1uF 10V +80%, -20% (RoHS)	C28, C34, C42, C44, C49, C50, C51, C54, C55, C67, C77, C82, C143, C146, C149, C158, C162, C178, C184, C191, C196, C203, C206, C223, C230, C253, C259, C288, C302, C314, C319, C333, C349, C363, C377, C382, C383	SAMSUNG	37	EA	
54	CHIP INDUCTOR	CI-B1608-33NSJT : 1.8nH	1.8nH, 1608 Size, ±5%	L1	CERATECH	1	EA	
55	CHIP INDUCTOR	CI-B1608-33NSJT : 2.2nH	2.2nH, 1608 Size, ±5%	L9	CERATECH	1	EA	
56	CHIP INDUCTOR	CI-B1608-33NSJT : 2.7nH	2.7nH, 1608 Size, ±5%	C387	CERATECH	1	EA	
57		CI-B1608-33NSJT : 3.3nH	3.3nH, 1608 Size, ±5%	R34	CERATECH	1	EA	
58	CHIP INDUCTOR	CI-B1608-33NSJT : 3.9nH	3.9nH, 1608 Size, ±5%	L8	CERATECH	1	EA	
59	CHIP INDUCTOR	CI-B1608-47NSJT : 4.7nH	4.7nH, 1608 Size, ±5%	L31	CERATECH	1	EA	
60	CHIP INDUCTOR	CI-B1608-47NSJT : 5.6nH	5.6nH, 1608 Size, ±5%	R84, C317, C334, C335, C373, R41	CERATECH	6	EA	
61	CHIP INDUCTOR	CI-B1608-47NSJT : 6.8nH	6.8nH, 1608 Size, ±5%	C100	CERATECH	1	EA	
62	CHIP INDUCTOR	CI-B1608-470JJT : 47nH	47nH, 1608 Size, ±5%	L20, L29	CERATECH	2	EA	
63	CHIP INDUCTOR	CI-B1608-330JJT : 39nH	39nH, 1608 Size, ±5%	L14, L21, L28, L45	CERATECH	4	EA	
64	CHIP INDUCTOR	CI-B1608-330JJT : 33nH	33nH, 1608 Size, ±5%	L17, L32	CERATECH	2	EA	
65	CHIP INDUCTOR	CI-B1608-220JJT : 22nH	22nH, 1608 Size, ±5%	L38, L40, L41, L44, L48, L50, L53, L57, L58, L59	CERATECH	10	EA	
66	CHIP FERRITE BEAD	HH-1M2012-121JT(CERATECH)	120nH, 2012 Size, ±5%	L1, L2, L3, L4, L5, L6, L7, L10, L11, L15, L16, L26, L27, L30, L33, L34, L39, L42, L46, L51, L54, L55	CERATECH	22	EA	
67	CHIP FERRITE BEAD	HH-1M1608-105JT(CERATECH)	1uH, 1608 Size, ±5%	L12, L35, L36, L37, L47, L49, L52, L56	CERATECH	8	EA	
68	CPU	ATMEGA32	ATMEGA32	IC1	ATMEL	1	EA	
69	TEMP	LM50B	LM50B	TE1	NATIONAL	1	EA	
70	IC	MAX3232/SO	MAX3232/SO	U2	MAXIM	1	EA	
71	CHIP LED	LS-SP170YG	CHIP LED ONE COLOR(GREEN, SIZE 2012)	LED	SEIN	1	EA	
72	ISOLATOR	1G96	1G96	IS01	PARTRON	1	EA	
73	ISOLATOR	1G88	1G88	IS03	PARTRON	1	EA	
74	ISOLATOR	A836	A836	IS04	PARTRON	1	EA	
75	ISOLATOR	A881	A881	IS02	PARTRON	1	EA	
76	X-TAL	CERAMIC SMD CRYSTAL	LX-7(7.3xxxMHz)	Y1	L-TRON	1	EA	
77	DC-JACK	DC-JACK	DC-002 1.3元	U3	GANNA	1	EA	
78	SW	SW	GSS-2217(9mm)	sw1	GANNA	1	EA	
79	molex	molex 3pin	molex 3pin	J2	MOREX	1	EA	
80	HEADER PIN 2*8	CONN TRBLK 3X2 (2.54mm)	CONN TRBLK 3X2 (2.54mm)	J1	HIROSE	1	EA	
81	Aluminum Electrolytic Capacitor	220uH / 10V	220uH / 10V	C264, C209, L61, L13	SAMYOUNG	4	EA	
82	CONNECTOR	N-TYPE CONNECTOR	N-TYPE CONNECTOR	Approval sheet reference	KWANGYEOK	2	EA	
83	LED	LED 3Ø	High Brightness LED 3Ø	D1(Green)D2,D3(Red)	SEIN	3	EA	
84	DC Adapter	DC Adapter	DC Adapter	Approval sheet reference	DADO	1	EA	
85	RF Cable	RF Cable	RF Cable(0.4t)		KWANGYEOK	8	EA	
86	Housing	Housing				1	EA	
87	Flat head screw	Flat head screw	M2.3*8		GANNA	12	EA	
88	Flat head screw	Flat head screw	M2.3*5		GANNA	34	EA	
89	Round head screw	Round head screw	M2.3*12		GANNA	30	EA	
90	Round head screw	Round head screw	M2.6*5		GANNA	8	EA	
91	Round head screw	Round head screw	M2.3*5		GANNA	10	EA	