

RH55A,C B.O.M

[Main Board]

NO	PART NAME	DESCRIPTION				PART LOCATION NUMBER	Q'TY
1	Electrolytic Capacitor Chip	100uF		16V		CE1	1
2	Electrolytic Capacitor Chip	220uF		25V		CE2	1
3	Pin Socket	13 x 1	Straight	2.0mm	Female	CON1	1
4	Tatalume Capacitor Chip	47uF		6.3V		CT1	1
5	Ceramic Capacitor Chip	0.1uF	X7R	50V		C1,C2,C3,C4,C5,C6,C7,C8,C11,C12,C13,C14,C15	13
6	Ceramic Capacitor Chip	22pF	X7R	50V		C9,C10	2
7	Chip Fuse	3A				F1	1
8	Streo Jack	ST-3008-03				J2,J3,J4,J5	4
9	Streo Jack	ST-3008-02				J1	1
10	DC Jack	DS332(2.0)-TR				CON2	1
11	IR LED	HI-I520A				LED4 [RH55A ONLY]	1
12	IR LED	TSAL6200				LED3 [RH55A ONLY]	1
13	LED Chip	HI-LH10RU				LED1,LED2	2
14	NPN Transistor chip	STD123S				Q2,Q4,Q6,Q8,Q9 [RH55A ONLY]	5
15	PNP Transistor chip	2SA1981				Q1,Q3,Q5,Q7 [RH55A ONLY]	4
16	Resistor Array chip	10	Kohm	J	1/10W	RP1 [RH55A ONLY]	1
17	Resistor chip	10	Kohm	J	1/10W	R3,R7,R8,R19,R25,R31,R39,R40	8
18	Resistor chip	220	ohm	J	1/10W	R1,R2,R6	3
19	Resistor chip	1	Kohm	J	1/10W	R4,R5,R14,R22,R28,R36	6
20	Resistor chip	100	Kohm	J	1/10W	R9,R10,R11,R12,R15,R17,R18,R23,R29,R37	10
21	Resistor chip	220	ohm	J	1/8W	R13,R16,R21,R24,R27,R30,R35,R38	8
22	Resistor chip	1	Kohm	J	1/8W	R20,R26,R32,R41	4
23	Resistor chip	2R0	ohm	J	1/8W	R33,R34	2
24	Rotary switch	KDR162-K				SW1	1
25	Micoro controller	S3C80F9XJU-SOB9				U1 [RH55A ONLY]	1
26	Micoro controller	Z8F6421AN020SG				U2	1
27	Line Driver	ZT3222LEET				U3	1
28	Single Inverter Gate	SN74AHC1G14				U8 [RH55A ONLY]	1
29	Single OR Gate	SN74AHC1G32				U7 [RH55A ONLY]	1
30	Single AND Gate	SN74AHC1G08				U4,U6,U11,U12,U13 [RH55A ONLY]	5
31	Serial Flash memory	EN25P40				U5 [RH55A ONLY]	1
32	Voltage Regulator	S7805D				U9	1
33	Voltage Regulator	XC6201P332				U10	1
34	Resonator	ZTTC8.0MG				Y1 [RH55A ONLY]	1
35	Resonator	ZTTC16.00MG				Y2	1
36	Adaptor	SMPS DC12V 2A					1
37	RS232 Cable	DB9 Female to Streo Plug Cross Cable					1
38	IR Emitter Cable	283M					4
39	PCB	FR4		1.6T			1

[Zigbee Board]

NO	PART NAME	DESCRIPTION				PART LOCATION NUMBER	Q'TY
1	Chip Ceramic Cap	220pF	J	50V	COG	C4,C9,C10	3
2	Chip Ceramic Cap	0.1uF	Z	50V	X7R	C5,C8	2
3	Chip Ceramic Cap	10pF	J	50V	COG	C6,C7	2
4	TANTALUM CAP	10uF	10%	A	6.3V	CT1	1
5	R Chip	470K	Ω	J	1/10W	R2	1
6	ZIGBEE IC	MC13191FC				U1	1
7	PINHEAD CONNECTOR	SM2.0-M-13SSG(7.5*2)				J1	1
8	X-TAL	HC-49/S 16MHz (20ppm)				Y1	1
9	PCB	FR4		0.8T		PCB	1