

RF IR Converter main

NO	Part Name	Description	Quantity	unit	LOCATION
1	Case	RH55E00, S8C182, ORION/US	1	EA	
2	Cover	RH55E00, S8C182, ORION/US	1	EA	
3	Main Filter	RH55	1	EA	
4	Screw Tapptite	RH55, BIN, TTS 3*8, 3B/K	4	EA	
5	Pe Bag	150*220*0.05t	1	EA	
6	SMPS Adaptor	HKKS-06070EP(DC12V,500mA)	1	EA	
7	IR Emitter Cable	CAPT 3530-S	4	EA	
8	RS232 Cable	LIDC-20DSBS-0	1	EA	
9	Foot	RH55/60, 9.8*7.8*1t, BLACK	4	EA	
10	Top Filter	RH55	4	EA	
11	Bottom Filter	RH55	4	EA	
12	Rubber-Stopper	Silicon Black,RH55K,RH55L	1	EA	
13	PBA PCB ASSY	RH55K00(Vantage)	1	EA	
14	DC Power Jack	DS332(2.0)-TR	1	EA	CON2
15	IR LED	BIR-BM18E4G-2-LBA-KR(2.5mm PITCH,20 \pm .BULK)	2	EA	LED3,LED4
16	Pin Header	20Pin(10x2), 2.54mm(Header Pin)	1	EA	P1
17	Antenna	RH55K Antenna	1	EA	ANT
18	Slide Switch	MSS12313-1(1C-2P,3PIN)	1	EA	S4
19	Electrolytic Capacitor Chip	100uF, 16V, M40P105, \pm 20%, 6.3*5.7	1	EA	CE1

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20	Electrolytic Capacitor Chip	100uF, 25V, M40P85, ±20%, 8.0*10.0	1	EA	CE2
21	Tantalum Capacitor Chip	47uF, 10V, ±20%, 3528	1	EA	CT1
22	Ceramic Capacitor Chip	0.1uF, 50V, X7R, ±10%, 1608(C1608X7R1C104K)	16	EA	C1,C2,C3,C4,C5,C6,C7,C8,C11,C12,C13,C15,C17,C18,C21,C22
23	Fuse Chip	3216FF-3A(3216, 32VAC, 3A)	1	EA	F1
24	Phone Jack	ST-3008-03	4	EA	J2,J3,J4,J5
25	Phone Jack	ST-3008-02	1	EA	J1
26	LED Chip	HI-LRF21HORC(2012, Red)	2	EA	LED1,LED2
27	Transistor NPN Chip	STD123S(SOT23)	5	EA	Q2,Q4,Q6,Q8,Q9
28	Transistor PNP Chip	2SA1981S(SOT23)	4	EA	Q1,Q3,Q5,Q7
29	Resistor Chip	10K ohm, 1/10W, ±5%, 1608(MCR03***J103)	10	EA	R3,R4,R8,R12,R17,R18,R19,R25,R31,R39
30	Resistor Chip	220 ohm, 1/10W, ±5%, 1608	2	EA	R1,R2
31	Resistor Chip	1K ohm, 1/10W, ±5%, 1608	8	EA	R14,R15,R22,R23,R28,R29,R36,R37
32	Resistor Chip	6.2K ohm, 1/10W, ±5%, 2012	4	EA	R13,R21,R27,R35
33	Resistor Chip	1K ohm, 1/10W, ±5%, 2012	4	EA	R20,R26,R32,R41
34	Resistor Chip	6.8K ohm, 1/10W, ±5%, 2012	2	EA	R33,R34
35	RS232 IC	SP3232EBCN(nSOIC16)	1	EA	U5
36	Mini Logic IC(AND Gate)	74HC08D(SO14)	1	EA	U3
37	Voltage Regulator IC	S7805D(D-PAK)	1	EA	U9
38	Crystal Chip	8.000MHz,HC-49/S(SMD)	1	EA	Y1
39	PCB(FR-4, 1.6T)	RH55K00, FR4, 1.6mm, 2Layer	1	EA	

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40	Resistor Chip	470 ohm, 1/10W, ±5%, 1608	1	EA	R40
41	MCU	STM32F103C8(64Kbyte,LQFP48)	1	EA	U1
42	Ceramic Capacitor Chip	20pF, 50V, X7R, ±10%, 1608	2	EA	C9,C10
43	Mini Logic IC(AND Gate)	KIC7SH08FU	2	EA	U4,U13
44	Resistor Chip	100K ohm, 1/10W, ±5%, 1608(MCR03****J104)	1	EA	R43
45	Resistor Chip	1M ohm, 1/10W, ±5%, 1608	1	EA	R6
46	Resistor Chip	4.7K ohm, 1/10W, ±5%, 1608	2	EA	R51,R52
47	Voltage Regulator IC	XC6201P332PR(SOT89)	1	EA	U10
48	Varistor	19V(AVR-M1608C270)	7	EA	VR01,VR02,VR03,VR04,VR05,VR06,VR07
49	Varistor	5V(AVR-M1608C080)	4	EA	VR08,VR09,VR10,VR11
50	Bead Chip	1K	3	EA	BR01,BR02,BR03
51	Tact Switch	ST-1107MU	1	EA	S3
Zigbee MODULE					
NO	Part Name	Description	Quantity	unit	LOCATION
52	BALUN	2.4GHz Band RF Application (2.0*1.25*0.95)	1	EA	B1
53	Ceramic Capacitor Chip	0.75pF, 50V, COG, ±0.25pF, 1005	1	EA	C3
54	Ceramic Capacitor Chip	10nF, 50V, X7R, ±10%, 1005	7	EA	C6,C10,C16,C18,C20,C21,C22
55	Ceramic Capacitor Chip	10pF, 50V, NPO, ±5%, 1005	2	EA	C5,C19
56	Ceramic Capacitor Chip	27pF, 50V, COG, ±5%, 1005	2	EA	C7,C8
57	Ceramic Capacitor Chip	8.2pF, 50V, COG, ±5%, 1005	2	EA	C1,C2
58	Ceramic Capacitor Chip	1uF, 50V, Y5V, -20~+80%, 1608	3	EA	C11,C17,C23

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59	Ceramic Capacitor Chip	4.7uF, 25V, Y5V, -20~+80%, 2012	1	EA	C9
60	Resistor Chip	0 ohm, 1/16W, ±5%, 1005	1	EA	R1
61	Resistor Chip	100K ohm, 1/16W, ±5%, 1005	1	EA	R4
62	Resistor Chip	10K ohm, 1/16W, ±5%, 1005	6	EA	R5,R8,R11,R12,R13,R15
63	Resistor Chip	169K ohm, 1/16W, ±1%, 1005	1	EA	R3
64	Resistor Chip	3.3K ohm, 1/16W, ±5%, 1005	1	EA	R7
65	Resistor Chip	510 ohm, 1/16W, ±5%, 1005	1	EA	R6
66	LED Chip	HI-LRF10HORC(1608, Red)	1	EA	D1
67	Crystal	24MHz, 4.0*2.5mm(SMD), 10ppm	1	EA	Y1
68	Zigbee IC	EM260(2.4GHz Zigbee IC, QFN40)	1	EA	U1
69	PCB(FR-4, 0.8T)	MH61B(5.5X RF_MODULE),FR4,0.8mm,2Layer	1	EA	
70	Resistor Chip	10 ohm, 1/16W, ±5%, 1005	1	EA	R2
71	Inductor Chip	GC2T 3N9 J00(1005), 3.9nH	2	EA	L1,L2
72	Inductor Chip	GC2T 3N3 J00(1005), 3.3nH	1	EA	L5
73	Voltage Regulator IC	NJM2882F03(SOT23-5,3.0V)	1	EA	U2
74	Mini Logic IC(AND Gate)	KIC7SH08FU	1	EA	U5
75	BUFFER IC	SN74LVC3G34DCUR(VSSOP)	2	EA	U3,U4
76	Pin Header	10 Pin(5x2), 1.27, SMD Type	1	EA	J1