

## 7.Part List

Item	Reference	Qty	Part Name	Description	Manufacturer	Value
1	ANT	1	ANT,2.4GHz	ANT,2.4GHz	IPX	2.4GHz
2	ANT_C	1	2.45GHz Connector	2.45_SMD Connector	썬리썬	Connector
3	BL1	1	SB24B10218NX,BL2012	SB24B10218NX,BL2012	Murata	100Ω
4	BUZ1	1	BUZZER_TR8030,BUZZER	BUZZER_TR8030,BUZZER	HAE SUNG	TR-8030 BT3S2
5	C1 C5	2	SMD1005C_NU,18pF	SMD1005C_NU,18pF	Murada	18pF
6	C11 C30	2	SMD1608C,10uF/6.3V	SMD1608C,10uF/6.3V	Murata	10uF/6.3V
7	C12 C24-25	3	SMD1005C_NU,10nF	SMD1005C_NU,10nF	Murada	10nF
8	C13	1	SMD1005C_NU,2.2nF	SMD1005C_NU,2.2nF	Murata	2.2nF
9	C15 C18-21 C31	6	SMD1005C_NU,10pF	SMD1005C_NU,10pF	Murada	10pF
10	C22 C27	2	SMD1005C_NU,NC	SMD1005C_NU,NC	Murata	NC
11	C23	1	SMD1005C_NU,22pF	SMD1005C_NU,22pF	Murata	22pF
12	C26	1	SMD1005C_NU,100pF	SMD1005C_NU,100pF	Murata	100pF
13	C29	1	SMD1005C_NU,8.2pF	SMD1005C_NU,8.2pF	Murada	8.2pF
14	C3 C10 C14 C16	4	SMD1005C_NU,0.1uF	SMD1005C_NU,0.1uF	Murada	0.1uF
15	C32	1	SMD1005C_NU,2.2pF	SMD1005C_NU,2.2pF	Murada	2.2pF
16	C33	1	SMD1005C_NU,1nF	SMD1005C_NU,1nF	Murada	1nF
17	C34	1	SMD1005C_NU,15pF	SMD1005C_NU,15pF	Murada	15pF
18	C36	1	SMD1005C_NU,15nF	SMD1005C_NU,15nF	Murada	15nF
19	C4 C17	2	SMDWTAN-BR,220uF/6.3V	SMDWTAN-BR,220uF/6.3V	SAMSUNG	220uF/6.3V
20	C6-7	2	SMD1005C_NU,13pF	SMD1005C_NU,13pF	Murata	13pF
21	C8	1	SMDWTAN-BR,33uF/16V	SMDWTAN-BR,33uF/16V	SAMSUNG	33uF/16V
22	C9 C35	2	TC2012,10uF/10V	TC2012,10uF/10V	SAMSUNG	10uF/10V
23	CON1	1	CON5-2.54X2(1),5PIN Connector	CON5-2.54X2(1),5PIN Connector	Hirose	CON5-2.54
24	CON2-3	2	2127_06G_1.27,2127_06G	2127_06G_1.27,2127_06G	이연테크	
25	D1	1	KDS160,KDS160	KDS160,KDS160	KEC	KDS160-RTK/P
26	FL1	1	DWF-244,DWF-244	DWF-244,DWF-244	EMCO	DWF2R2440G04
27	L1	1	SMD1608L,3.9nH	SMD1608L,3.9nH	TAIYO YUDEN	3.9nH
28	L2-3	2	SMD1005L_NU,82nH	SMD1005L_NU,82nH	Murata	82nH
29	L4	1	SMD1608L,18nH	SMD1608L,18nH	TAIYO YUDEN	18nH
30	LED1	1	SMD1608LED,RED	SMD1608LED,RED	이썬웰	IWS-165-RXWF
31	LED2	1	SMD1608LED,P-GREEN	SMD1608LED,P-GREEN	서울반도체	TG102
32	Q1	1	SOT_23A,MMBTA14	SOT_23A,MMBTA14	KEC	MMBTA14-RTK/P SOT-23
33	Q2	1	USM_TR,KRC407	USM_TR,KRC407	KEC	KRC407
34	Q3	1	SI2307DS,SI2307DS	SI2307DS,SI2307DS		SI2307DS
35	R1 R11 R19	3	SMD1005R_NU,10K	SMD1005R_NU,10K	Compostar	10KΩ
36	R13-14	2	SMD1005R_NU,100	SMD1005R_NU,100	Compostar	100Ω
37	R15	1	SMD1005R_NU,27K	SMD1005R_NU,27K	Compostar	27KΩ
38	R16	1	SMD1005R_NU,NC	SMD1005R_NU,NC	Compostar	NC
39	R17	1	SMD1005R_NU,82K	SMD1005R_NU,82K	Compostar	82KΩ
40	R2 R4	2	SMD1005R_NU,4.7K	SMD1005R_NU,4.7K	Compostar	4.7KΩ
41	R3	1	SMD1005R_NU,2.2K	SMD1005R_NU,2.2K	Compostar	2.2K

42	R5 R8 R18	3	SMD1005R_NU,220	SMD1005R_NU,220	Compostar	220Ω
43	R6	1	SMD1005R_NU,150K	SMD1005R_NU,150K	Compostar	150K
44	R9-10 R12	3	SMD1005R_NU,0	SMD1005R_NU,0	Compostar	0Ω
45	SD3	1	SMFB23L,SMFB23L	SMFB23L,SMFB23L	KEC	SMFB23L-RTK/P
46	SW1	1	SW_TACK4D,ID SETTING	SW_TACK4D,ID SETTING	SAM YOUNG HI-TECH	ST-1102SB 7.0mm
47	U1	1	MG2455-F48A,MG2455-F48	MG2455-F48A,MG2455-F48	Radio Pulse	MG2455-F48 QFN48
48	U10	1	LM317M_KTP,KIA78D033F	LM317M_KTP,KIA78D033F	KEC	KIA78D33F-RTF/P
49	U2	1	ATMEGA48V,ATMEGA48V	ATMEGA48V,ATMEGA48V	ATmel	ATmega48V
50	U3	1	SOT-23,ELM7527XB	SOT-23,ELM7527XB	ELM	ELM7527XB
51	U4	1	AS179,AS179-92	AS179,AS179-92	SKY-WORKS	AS-179-92
52	U5	1	KIC7S86FU,KIC7S86FU	KIC7S86FU,KIC7S86FU	KEC	KIC7S86FU- RTK/P3
53	U6	1	SKY65249-11,SKY65249-11	SKY65249-11,SKY65249-11	Sky Works	SKY-65249-11
54	U7	1	NC7WZ14,NC7WZ04	NC7WZ14,NC7WZ04		NC7WZ04
55	X1	1	XTAL_7.3728MHZ_A,16.000M Hz	XTAL_7.3728MHZ_A,16.000M Hz	GP-COM	BCX750S(7.3728M Hz)
56	X2	1	SX3225-XTAL,16.000MHz	SX3225-XTAL,16.000MHz	PartsMan	BCX325S(16.000M Hz)
Total						