

Item	Qty	Reference	Description	Part Number	Package	Manufacturer	비고
1	1	ANT1	ANTENNA	ALA621C4		AMOTECH	
2	1	CON1	USB Connector	A01SB14411B21-037		삼영하이테크	
3	9	C1,C5,C8,C11,C15,C19,C20,C23,C26	MLCC	100NF/1005	1005	삼성	
4	2	C2,C6	MLCC	47NF/1005	1005	삼성	
5	6	C3,C4,C24,R25,C25,R26	MLCC	NC		삼성	NC
6	1	C7	MLCC	2.2NF/1005	1005	삼성	
7	2	C9,C12	MLCC	20PF/1005	1005	삼성	
8	2	C10,C13	MLCC	18PF/1005	1005	삼성	
9	2	C14,C16	MLCC	1UF/1608	1608	삼성	
10	2	C17,C22	MLCC	10NF/1005	1005	삼성	
11	2	C18,C21	MLCC	2.2UF/1608	1608	삼성	
12	40	D1-D33,D35-D41	Schottky Barrier Diodes	RB531S-30	EMD2	Rohm	
13	2	D34,D44	low capacitance bidirectional	PESD5V0S1BA	SOD323	NXP	
14	1	D42	Schottky Diodes	BAT54H1TG		FAIRCHILD	
15	1	D43	DUAL LED	12-223C/R6GVC-A30/2C		EVERLIGHT	
16	2	J1,J2	20PIN Connector	10019HR-22		YEONHO	
17	1	L1	Chip Inductor	100PF/1005	1005	삼성	
18	1	Q3	Small Signal MOSFET	NTA4001NT1G	SC75	OnSemi	
19	10	R1-R10	Chip Resistor	100K/1005	1005	WALSIN	
20	1	R11	Chip Resistor	4.7K/1005	1005	WALSIN	
21	2	R12,R18	Chip Resistor	0/1608	1608	WALSIN	
22	2	R13,R27	Chip Resistor	1M/1%/1005	1005	WALSIN	
23	1	R14	Chip Resistor	1.8M/1%/1005	1005	WALSIN	
24	1	R15	Chip Resistor	220K/1%/1005	1005	WALSIN	
25	1	R16	Chip Resistor	470/1005	1005	WALSIN	
26	1	R17	Chip Resistor	180/1005	1005	WALSIN	
27	1	R19	Chip Resistor	2.2/1005	1005	WALSIN	
28	1	R20	Chip Resistor	NC/1608	1608	WALSIN	NC
29	1	R23	Chip Resistor	10K/1005	1005	WALSIN	
30	1	R24	Chip Resistor	100/1005	1005	WALSIN	
31	1	R28	Chip Resistor	1.2M/1%/1005	1005	WALSIN	
32	1	SW1	USB connector	ST-1114R		삼영하이테크	
33	1	U1	nRF51822 QFN 6X6	NRF51822QFN6X6	QFN48	Nordic	
34	1	U2	Balun + Band Pass Filter	2450BM14E0003		JOHANSON	
35	1	U3	32M-BIT SERIAL FLASH	MX25L3206EZUI-12G/USON8L4X4MM		MXIC	
36	1	U4	Battery Charger	UP8011AMT5	AMT5	MICRO POWER	
37	1	U5	LDO	TPS79930DDC	SOT23X5P	TI	
38	3	VR1,VR2,VR3	Multi Layer Chip Varistors	AVLC5S02100		Yageo	
39	1	Y1	XTAL 16Mhz	E1SB16E000005E	HCX-2SB	HOSONIC	
40	1	Y2	XTAL 32.768Khz/12.5PF	CM8V-T1A/12.5PF	SMD	MC SWITZERLAND	