

SimplePlus Sensor BOM

NO	ITEM	DESCRIPTION	TYPE(SIZE)	Q'ty	Location
				Unit	
	SMD				
1	IC BLE MCU	nRF51822, QFAC R7, Rev3	QFN48	1	U3
2	IC EEPROM	HT24LC02A	SOT23-5	1	U4
3	IC Light Sensor	OPT3001	USON-6	1	U5
4	IC LDO	RT9169-33GV	SOT23	2	U2
5	IC Power	MP103	SOIC8	1	U1
6	IC RTC	RV-8803-C7	3215	2	U8
7	IC Crystal	32.768KHz	3215	2	Y1
8	IC Crystal	16MHz/9pF	3225	1	Y2
9	CHIP TR	MMBT3904	SOT23	1	Q2
10	Bridge Diode	MB6S	SOIC4	1	D1
11	Shottky Diode	LMBR140T1G	SOD123	2	D6
12	Inductor Chip	2.4nH	1005	1	L2
13	Inductor Chip	3.3nH	1005	1	L1
14	Inductor Chip	10nH	1005	1	L3
15	Resistor Array	100R4	2010	1	RA1
16	Resistor	0	1608	1	R7
17	Resistor	10	3216	1	R4
18	Resistor	22	1005	4	R12,R13,R14,R16
19	Resistor	100	1005	3	R23,R24,R34
20	Resistor	1K	1005	1	R33
21	Resistor	1.5K	1005	1	R26
22	Resistor	2K	3216	1	R5
23	Resistor	2.2K	1005	8	R18,R20,R21,R22,R29,R30,R31,R32
24	Resistor	4.7K	1005	1	R25
25	Resistor	10K	1608	2	R1,R3
26	Resistor	12K	1005	1	R17
27	Resistor	39K	1608	1	R6
28	Capacitor	1pF	1005	1	C17
29	Capacitor	1.2pF	1005	1	C14
30	Capacitor	10pF	1005	1	C15
31	Capacitor	12pF	1005	4	C7,C8,C9,C10
32	Capacitor	20pF/50V	1608	1	C1
33	Capacitor	1nF	1005	1	C12
34	Capacitor	1nF	1608	1	C3
35	Capacitor	10nF	1005	1	C28
36	Capacitor	47nF	1005	1	C19
37	Capacitor	100nF	1005	7	C11,C21,C22,C24,C25,C26,C27
38	Capacitor	100nF	1608	1	C4
39	Capacitor	1uF	1005	1	C23
40	Capacitor	1uF/6.3V	1608	2	C5,C6
41	Capacitor	4.7uF/10V	2012	1	C2
42	Battery	DMS3R3304RR		1	BT1
43	LED SMD	White LED, high brightness	3528	4	D2,D3,D4,D5
44	Connector	12505WR-04	6pin SMD	2	J1,J3

45	Connector	12505WS-06	6pin SMD	1	J2
	DIP				
46	Sensor PIR	HM-312	2P-DIP	2	P1
47	Elect Capacitor	470uF/25V	CE-8.0-3.5	1	CE1
48	Elect Capacitor	4.7uF/50V	CE-2.5	2	CE2
49	Poly Capacitor	100nF/275VAC	18x11.5x5	2	CX1
50	Power Transistor	KSC5502TU	TO-220	1	Q1
51	NTC Resistor	MF52A103J3470F	DIP	1	RT1
52	Varistor	TVR10561	DIP	2	RV1
53	Resistor	10ohm / 1W	DIP	1	R2
54	Switch TACT	ST-1102V	DIP	2	SW1
55	PCB Sensor	2ayer, 1.0T, Rev0		1	