

PCBA ZED Wireless Motion Sensor- Zigbee Radio Parts List						
No.	ID	Manufacturer	Manufacturer P/N	Description	Quantity	Unit
1	ANT1	NA	NA	RF PCB, inverted-F shape, 1oz copper trace, 17mm x 6mm	1	EA
2	BUT1, BUT2, BUT3	Chifung	TS-1107G-2	Off Button, On Button, Settings, SPSST, SMD	3	EA
3	C1, C2, C3, C5	Samsung	CL10B105M08NWC	1µF, 16V, ±20%, Ceramic Capacitor, X7R, 0603	4	EA
4	C4, C6, C10, C13, C16, C17, C36, C37, C38	Walsin	0402B104K250	100nF, 10V, ±10%, Ceramic Capacitor, X7R, 0402	9	EA
5	C34	Murata	GRM21BR61C106KE15K	10µF, 16V, ±10%, Ceramic Capacitor, X5R, 0805	1	EA
6	C7, C8, C14	Walsin	0603X106M6R3	10µF, 6.3V, ±20%, Ceramic Capacitor, X5R, 0603	3	EA
7	C15	Murata	GRM1555C1H220JA01J	22µF, 50V, ±5%, Ceramic Capacitor, COG, 0402	2	EA
8	C11, C12	Murata	GRM1555C1H100JA01J	10µF, 50V, ±5%, Ceramic Capacitor, COG, 0402	2	EA
9	C23	Murata	GRM155R71H103KA88D	10nF, 50V, ±10%, Ceramic Capacitor, X7R, 0402	1	EA
10	C24, C25	Yageo	CQ0402JRNPO9BN470	47pF, 50V, ±5%, Ceramic Capacitor, COG, 0402	2	EA
11	C26, C27, C35	Yageo	AC0603KRX7R8BB474	470nF, 10V, ±10%, Ceramic Capacitor, X7R, 0603	3	EA
12	C28	Yageo	AC0402JRNPO9BN102	1nF, 50V, ±5%, Ceramic Capacitor, COG, 0402	1	EA
13	C29, C30	Yageo	CC0603KPY5R5BB475	4.7µF, 6.3V, ±10%, Ceramic Capacitor, X5R, 0603	2	EA
14	D1, D2, D3, D4, D5, D6, D7	onsemi	BAS16	200mA, 85V, Diode, SOT-23	7	EA
15	D8, D9, D10	Comchip	RB520S-30	200mA, 30V, Shottky Diode, SOD-523	3	EA
16	DL1	Osram	LRTB R48G	LED RGB SMD	1	EA
17	IC2	ST Micro	LIS2DE12TR	Ultra low-power 3-axis accelerometer LGA-12	1	EA
18	IC3	Johanson	2450BM15A0015	2.45GHz impedance matched balun-filter	1	EA
19	IC9	Excelitas Technologies	PYD1588	Low Power DigiPyro Motion Sensor	1	EA
20	IC12	Atmel	ATSAMR21E19A-MFT	ATMEL IC RF MCU QFN32_5x5	1	EA
21	IC15	Avago	APDS-9008	Surface Mount Ambient Light Photo Sensor	1	EA
22	L1, L2	Murata	LQG15WH3N3S02D	3.3nH, 900mA, Inductor, 0402	1	EA
23	OSC1	TXC	7M-16.000MEEQ-T	Crystal, 16MHz, 10pF, SMD 3.2x2.5mm	1	EA
24	R2, R4, R22, R41, R42	Walsin	WR04X105JTL	1 MOhm, 1/16W, ±5%, RES, 0402	5	EA
25	R5, R6, R7, R58, R59, R60	Fenghua	RC-02W103FT	10 kOhm, 1/16W, ±1%, RES, 0402	3	EA
26	R9, R28, R33, R48, R49, R61, R62	Walsin	WR04X000PTL	0 Ohm, 1/16W, ±5%, RES, 0402	4	EA
27	R18	Fenghua	RC-02W472JT	4.7 kOhm, 1/16W, ±1%, RES, 0402	1	EA
28	R20, R29, R30, R31, R32	Walsin	WR04X1001FTL	1 kOhm, 1/16W, ±1%, RES, 0402	1	EA
29	R21	Walsin	WR04X821JTL	820 Ohm, 1/16W, ±5%, RES, 0402	2	EA
30	R40, RV1, RV2, RV3	Rohm Semiconductor	MCR01MRTF1003	100 kOhm, 1/16W, ±1%, RES TF 0402	2	EA
31	R44	Walsin	WR04X106JTL	10 MOhm, 1/16W, ±5%, RES, 0402	1	EA
32	R45	Walsin	WR04X100JTL	10 Ohm, 1/16W, ±5%, RES, 0402	1	EA
33	R46, R47	Walsin	WR04X471JTL	470 Ohm, 1/16W, ±5%, RES, 0402	2	EA
34	R52	Walsin	WR04X222JTL	2.2 kOhm, 1/16W, ±5%, RES, 0402	1	EA
35	R55, R56, R57	Walsin	WR04X563JTL	56 kOhm, 1/16W, ±5%, RES, 0402	3	EA
36	R63	Walsin	WR04X224JTL	220 kOhm, 1/16W, ±5%, RES, 0402	1	EA
37	TR2, TR3, TR8, TR9, TR10, TR11	Fairchild	BSS138K	50V, 0.22A, N-MOSFET, SOT23	6	EA
38	TR4, TR5, TR6, TR7, TR12	Infineon Technologies	IRLML6402	20V, 0.37A, P-MOSFET, SOT23	5	EA
39	U1	Keystone Electronics	2474	Battery Holder, AA, 2 Cell	1	EA