

BOM

Product code: TW06

Date: 7-2-12

Battery: 9V 6F22

Frequency: 27.145 MHz

Product name: Walkie talkie

Number	P/N	Material name	Description	Qty/s	Location	Remark
Electronic components:						
1		PCB	PCB 94V0 KB, 50*25*1.6mm ROHS	2	PCB1	
2			PCB 94V0 KB, 19*12*1.6mm ROHS	2	PCB2	
3			PCB 94V0 KB, 16.5*12*1.6mm ROHS	2	PCB3	
4		SMD resistors	0603 2.2K Ω \pm 5% ROHS	10	R1 R2 R5 R13 R14	
5			0603 330 Ω \pm 5% RoHS	2	R3	
6			0603 100 Ω \pm 1% ROHS	2	R4	
7			0603 1M Ω \pm 5% 0603 ROHS	2	R6	
8			0603 8.2K Ω \pm 5% 0603 ROHS	2	R7	
9			0603 6.8K Ω \pm 5% 0603 ROHS	2	R8	
10			0603 18K Ω \pm 5% 0603 ROHS	4	R9 R11	
11			0603 10 Ω \pm 5% 0603 ROHS	2	R10	
12			0603 5.6K Ω \pm 5% 0603 ROHS	2	R12	
13			0603 75 Ω \pm 5% 0603 ROHS	2	R16	
14			0805 2.2 Ω \pm 5% 0805 ROHS	2	R17	
15		SMD capacitors	0603 10NF 50V \pm 20% RoHS	2	C2	
16			0603 1NF50V \pm 20% RoHS	2	C9	
17			0603 39NF 50V \pm 20% RoHS	2	C1	
18			0603 500P 50V \pm 5% RoHS	2	C3	
19			0805 470NF 50V \pm 5% RoHS	2	C4	
20			0603 20NF 25V \pm 20% RoHS	2	C5	
21			0603 100NF 50V \pm 5% RoHS	4	C6 C7	
22			0603 15P 25V \pm 20% RoHS	6	C16 C17 C8	
23			0603 82P 25V \pm 20% RoHS	2	C10	
24			0603 3P 25V \pm 20% RoHS	2	C11	
25			0603 68P 50V \pm 5% RoHS	2	C12	
26			0603 502P 50V \pm 5% RoHS	2	C15	
27			0603 33P 50V \pm 5% RoHS	2	C13	
28						
29		E-cap	220uF 16V \pm 20% Φ 6 \times 7 ROHS	6	C18 C20 C21	
30			100uF 16V \pm 20% Φ 5 \times 7 ROHS	2	C19	
31		Crvstal	27.145MHZ \pm 20ppm 49-S	2	Y1	
32		Inductor	4.7uH \pm 5% Q>90 0307 RoHS	2	L1	
33			1.5uH \pm 5% Q>90 0410 RoHS	2	L2	
34		LED	Red, dia 3mm LED	2	LED1	
35			Red, dia 5mm LED	2	LED2	
36		SMD transistor	C380Y SOT-23 ROHS	2	Q1	
37			28D SOT-23 ROHS	2	Q2	
38			C9014 SOT-23 ROHS	2	Q3	
39		Slide swtch	SS-23D07G4 (2P3T)	2	SW3	
40		Push swtch	PS-42D03	2	SW1	
41		Adj inductor	K175-10T-015 (2-4-4)	2	T1	
42		Transformer	EI145	2	TK1	
43		Mylar speaker	HB-FB27075SF08F1-G1	2	SPK1	
44		9V Battery connector	Red & black wire 130mm	2	BT \pm	
45		Wire	3+50+3mm Black	2	Φ 3LED1-	
46			3+50+3mm Red	2	Φ 3LED+	
47			3+70+3mm Red	2	Φ 5LED+	
48			3+120+3mm Black	2	Φ 5LED-& push sw+	
49			3+50+3mm Black	2	B-& push sw1	
50			3+80+3mm Red	2	B+	
51			3+65+3mm White	2	SPK+	
52			3+60+3mm Yellow	2	SPK+	
53			3+40+3mm Black	2	SPK-	
54		Jumper wire	L=3+10+3mm Φ 0.5mm	2	J1	
55		single Rubber key	SW-2812A	2	SW1	