

## BOM

### MODEL: X-017(UHF transmitter)

NO.	Name	Package	Specifications	Position	Quantity	Technology	Supplier
1	PCB		Double sided board 22*190.1*1.6mm		1	SMD	
2	IC	SOP-16	STC11L02E	U6	1	SMD	Shenzhen Riyueguang Electronic Co., Ltd.
3	IC	SOT-23	VDA2110	U2	1	SMD	Zhongshan Pinming Electronic Co., Ltd
4	IC	SOT-23	XC6206-3.3	U5	1	SMD	Zhongshan Pinming Electronic Co., Ltd
5	IC	SOT23-5	XC9104	U4	1	SMD	Zhongshan Pinming Electronic Co., Ltd
6	IC	SSOP16	MB15E03	U3	1	SMD	Zhongshan Pinming Electronic Co., Ltd
7	IC	SSOP20	UTC575	U1	1	SMD	Zhongshan Pinming Electronic Co., Ltd
8	Triode	SOT-23	C1815	Q7-8 Q10-11	4	SMD	Shenzhen Kewei Electronic Co., Ltd.
9	Triode	SOT343R	BFG425W	Q1-4	4	SMD	Shenzhen Kewei Electronic Co., Ltd.

10	Field Effect Transistor	SOT-23	Si2312	Q6	1	SMD	Shenzhen Jiaxingxing Electronic Co., Ltd.
11	Field Effect Transistor	SOT-23	APM2305AA	Q5	1	SMD	Shenzhen Jiaxingxing Electronic Co., Ltd.
12	Schottky Barrier Diode	SOD-123	MBR0530	D3	1	SMD	Shenzhen Kewei Electronic Co., Ltd.
13	Varactor Diodes	SOD523	HVC385B	D1-2 D5	3	SMD	Shenzhen Jiaxingxing Electronic Co., Ltd.
14	Light Emitting Diode	0805	RED	LED1	1	SMD	Jiangmen Limingguang Electronic Co., Ltd.
15	SMD crystal	49S	12MHz	X1	1	SMD	
16	Wire wound chip inductor	L0603	100nH	L11	1	SMD	Shenzhen Kewei Electronic Co., Ltd.
17	Wire wound chip inductor	L0603	3.3nH	L1	1	SMD	Shenzhen Kewei Electronic Co., Ltd.
18	Chip inductors	L0603	10nH	L3-5 L7-9	6	SMD	Shenzhen Kewei Electronic Co., Ltd.
19	Chip inductors	L0603	1uH	L10	1	SMD	Shenzhen Kewei Electronic Co., Ltd.
20	Chip inductors	L0603	220nH	L12	1	SMD	Shenzhen Kewei Electronic Co., Ltd.
21	Chip inductors	3225	47uH	L6	1	SMD	Shenzhen Kewei Electronic Co., Ltd.
22	Chip inductors	CD43	10uH	L2	1	SMD	Shenzhen Kewei Electronic Co., Ltd.

23	Tantalum capacitor	3216	10uF/10V	C20	1	SMD	Shenzhen Kewei Electronic Co., Ltd.
24	Tantalum capacitor	3216	22uF/6.3V	C6	1	SMD	Shenzhen Kewei Electronic Co., Ltd.
25	Tantalum capacitor	TC0805	1uF	C10 C16 C18 C21 C37 C53	6	SMD	Shenzhen Kewei Electronic Co., Ltd.
26	Tantalum capacitor	TC0805	2.2uF	C4	1	SMD	Shenzhen Kewei Electronic Co., Ltd.
27	Multi-layer ceramic capacitors	0603	200P	C22 C71	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
28	Multi-layer ceramic capacitors	0603	0.5P	C3 C46	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
29	Multi-layer ceramic capacitors	0603	102	C2 C39 C28 C8 C17 C52	6	SMD	Zhaoqing Kerui Electronic Co., Ltd.
30	Multi-layer ceramic capacitors	0603	103	C12 C29 C34 C55 C61	5	SMD	Zhaoqing Kerui Electronic Co., Ltd.
31	Multi-layer ceramic capacitors	0603	104	C25 C32 C44 C64 C69	5	SMD	Zhaoqing Kerui Electronic Co., Ltd.
32	Multi-layer ceramic capacitors	0603	105	C30 C38 C42 C63 C66-68 C70	8	SMD	Zhaoqing Kerui Electronic Co., Ltd.
33	Multi-layer ceramic capacitors	0603	10P	C59	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.

34	Multi-layer ceramic capacitors	0603	20P	C43 C47 C56	3	SMD	Zhaoqing Kerui Electronic Co., Ltd.
35	Multi-layer ceramic capacitors	0603	2P	C13 C40-41 C45 C50	5	SMD	Zhaoqing Kerui Electronic Co., Ltd.
36	Multi-layer ceramic capacitors	0603	3P	C27 C33 C35 C51 C57	5	SMD	Zhaoqing Kerui Electronic Co., Ltd.
37	Multi-layer ceramic capacitors	0603	473	C9 C36	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
38	Multi-layer ceramic capacitors	0603	50P	C5 C19	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
39	Multi-layer ceramic capacitors	0603	5P	C11 C7	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
40	Multi-layer ceramic capacitors	0603	683	C14	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
41	Multi-layer ceramic capacitors	0603	6P	C1 C24	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
42	Multi-layer ceramic capacitors	0805	106	C62	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
43	Multi-layer ceramic capacitors	1206	106	C23 C65 C15 C31 C48-49 C54 C58	8	SMD	Zhaoqing Kerui Electronic Co., Ltd.
44	Chip Fixed Resistor	0603	150K	R20 R55	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
45	Chip Fixed Resistor	0603	560 $\Omega$	R3	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
46	Chip Fixed Resistor	0603	100 $\Omega$	R17 R22 R33 C26	4	SMD	Zhaoqing Kerui Electronic Co., Ltd.
47	Chip Fixed Resistor	0603	10K	R26 R38 R41 R44-45 R62-63	7	SMD	Zhaoqing Kerui Electronic Co., Ltd.

48	Chip Fixed Resistor	0603	10 $\Omega$	R11 R32 R40 R46	4	SMD	Zhaoqing Kerui Electronic Co., Ltd.
49	Chip Fixed Resistor	0603	15K	R10 R30	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
50	Chip Fixed Resistor	0603	18K	R56	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
51	Chip Fixed Resistor	0603	1K	R18 R31 R35 R51 R53 R61	6	SMD	Zhaoqing Kerui Electronic Co., Ltd.
52	Chip Fixed Resistor	0603	2.2K	R6 R19	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
53	Chip Fixed Resistor	0603	220 $\Omega$	R4	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
54	Chip Fixed Resistor	0603	22K	R1 R14 R27 R36 R42	5	SMD	Zhaoqing Kerui Electronic Co., Ltd.
55	Chip Fixed Resistor	0603	3.3K	R2 R37 R16 R49	4	SMD	Zhaoqing Kerui Electronic Co., Ltd.
56	Chip Fixed Resistor	0603	3.3 $\Omega$	R47	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
57	Chip Fixed Resistor	0603	330 $\Omega$	R7	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
58	Chip Fixed Resistor	0603	33K	R5 R9 R21 R25 R28	5	SMD	Zhaoqing Kerui Electronic Co., Ltd.
59	Chip Fixed Resistor	0603	4.7K	R43	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
60	Chip Fixed Resistor	0603	470K	R57-58	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
61	Chip Fixed Resistor	0603	47K	R39	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
62	Chip Fixed Resistor	0603	47 $\Omega$	R8 R15 R23-24 R29 R34	6	SMD	Zhaoqing Kerui Electronic Co., Ltd.

63	Chip Fixed Resistor	0603	56K	R52	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
64	Chip Fixed Resistor	0603	6.8K	R12 R59	2	SMD	Zhaoqing Kerui Electronic Co., Ltd.
65	Chip Fixed Resistor	0603	680 $\Omega$	R13	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
66	Chip Fixed Resistor	0603	68K	R50	1	SMD	Zhaoqing Kerui Electronic Co., Ltd.
68	Infrared receivering sensor	DIP		REM1	1	backhand welding	Zhongshan Pinming Electronic Co., Ltd
69	Pin Header	DIP	4P, 2.0mm	CN1	1	backhand welding	Enping Xingqiang Hardware Co., Ltd.
70	Rheostat	DIP	203 rheostat	VR1	1	backhand welding	Shenzhen Hanzhida Technology Co., Ltd.
71	Slide switch	DIP	SS22H06G3	S1	1	backhand welding	Boluo Weili Electronic Co., Ltd.
72	Shield Box		6 PIN, 17*31.5*5.5mm		1	backhand welding	Enping Xingqiang Hardware Co., Ltd.
73	Shield Box		2 PIN, 13*19mm		1	backhand welding	Enping Xingqiang Hardware Co., Ltd.
74	cartridge		cartridge		1	Assemble	Jinsangzi Electronic Co., Ltd.
75	Battery slice		125 positive battery slice	BAT+	1	Assemble	Jiangmen Chaolian Yongda Hardware Co., Ltd.
76	Battery slice		125 negative battery slice	BAT-	1	Assemble	Jiangmen Chaolian Yongda Hardware Co., Ltd.
77	plastic				1	Assemble	Enping Zhonglian Injection Molding Factory
78	screw		PA2*6	fixed PCB	1	Assemble	Enping Xingqiang Hardware Co., Ltd.

79	glue		Φ 10*5MM	heighten the receiver sensor	1	Assemble	Foshan Wenming Printing Co., Ltd.
80	semi-finished product		semi-finished product		1	Assemble	/
81	plastic				1	Assemble	/
82	plastic				1	Assemble	/
83	plastic				1	Assemble	/
84	plastic				1	Assemble	/
85	plastic				1	Assemble	/
86	plastic				1	Assemble	Jinyi Hardware Co., Ltd
87	plastic				1	Assemble	Yingtong
88	glue		Φ 10*1.5mm	PCB frame shock absorption and fix the position	2	Assemble	Foshan Wenming Printing Co., Ltd.
89	glue		15*10*8.5mm	stick on the battery cover to hold against the battery	1	Assemble	Foshan Wenming Printing Co., Ltd.
90	screw		PA2*6	fix the PCB in the body	1	Assemble	Enping Xingqiang Hardware Co., Ltd.