

# BOM

## Receiver

Layer	Material	Description	Unit	Qty	Color	Ver.	RoHS	Remarks
1	Mechanical	ABS,BHS-01	PCS	1			Y	Manufactured
2	Mechanical	ABS,BHS-01	PCS	1			Y	Manufactured
3	BHS-01-R PCBA Assembly	BHS-01-R PCBA Assembly	PCS	1			Y	Manufactured
4	USB Socket	9.25X4X3.9mm,5Pin,A-02USB miniature socket	PCS	1		V02	Y	J1
5	USB-to-mini-USB adapter	USB-to-mini-USB adapter,5Pin,Φ3.5mm,L=2000±50mm	PCS	1		V02	Y	Sourced
6	Resistor SMT	22KΩ ±1% 0402	PCS	1			Y	R2
7	Resistor SMT	10KΩ 0.125W ±5% 0603	PCS	2			Y	R10,R11
8	Resistor SMT	1KΩ 0.125W ±5% 0805	PCS	1			Y	R60
9	Resistor SMT	100Ω ±5% 0603	PCS	1			Y	R66
10	Resistor SMT	1M 0.125W ±5% 0402	PCS	1			Y	R1
11	Resistor SMT	0Ω 0.125W ±5% 0805	PCS	1			Y	R5
12	Capacitor SMT	CAP-CHIP 1nF K(±10%) 25V C0402	PCS	1		V02	Y	C8
13	Capacitor SMT	GRM155R71E103K 10nF,±10%,X7R, 0402	PCS	1			Y	C9
14	Capacitor SMT	22pF ±2%,16V,0402 NPO	PCS	2			Y	C1,C2
15	Capacitor SMT	33nF ±10%,50V,0603 N7R	PCS	1			Y	C7
16	Capacitor SMT	10nF ±20% 50V 0603	PCS	1			Y	C21
17	Capacitor	1uF X7R,±10%,25V,0805 TDK	PCS	1			Y	C62
18	Capacitor	0.1uF ±10% 50V 0805	PCS	4			Y	C61,C71,C73,C75
19	Capacitor SMT	2.2nF ±10% 16V 0402,N7R	PCS	1			Y	C3
20	Capacitor SMT	4.7uF 6.3V 3216	PCS	1			Y	C60
21	Capacitor SMT	22pF 0805	PCS	2			Y	CC1,CC2
22	Capacitor	100nF 0603,10V	PCS	1			Y	C20
23	Capacitor	100uF,6.3V,7227	PCS	3			Y	C70,C72,C74
24	Capacitor	10uF +80%-20% 6.3V 3216	PCS	1			Y	C19
25	Capacitor SMT	4.7pF ±0.25pF,50V,0402 NPO	PCS	1			Y	C4
26	Capacitor SMT	1.5pF ±0.1pF,50V,0402 NPO	PCS	1			Y	C5
27	Capacitor SMT	1.0pF ±0.1pF,50V,0402 NPO	PCS	1			Y	C6
28	Transistor	8050,0805,CBE	PCS	1			Y	Q1
29	IC	P89LPC936,TSSOP-28,Philips	PCS	1			Y	U8
30	IC	NRF24L01,QFN20,NORDIC	PCS	1			Y	U1
31	IC	LM117-3.3,CM71113.3,NS	PCS	1			Y	U7
32	IC	CP2102,MLP-28	PCS	1			Y	U6
33	IC	AT24C64,SO-8,ATMEL	PCS	1			Y	U10
34	Inductor SMT	LQG15HS8N2J02,8.2nH,0402,Murata	PCS	1			Y	L1
35	Inductor	Chip inductor 3.9nH ±5% 0402 LQG18HN3N9J00D	PCS	1			Y	L3
36	Inductor	Chip inductor 2.7nH ±5% 0402 LQG18HN2N7J	PCS	1			Y	L2
37	Inductor	100uH,AXIAL0.3	PCS	2			Y	L6,L7

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Layer	Material	Description	Unit	Qty	Color	Ver.	RoHS	Remarks
38	Crystal Oscillator	18MHz ,XTAL3	PCS	1			Y	X2
39	Crystal Oscillator	16MHz ,±60ppm,Cl=12pF,XTAL3	PCS	1			Y	X1
40	LED	Red,2mm	PCS	1			Y	LED1
41	LED	Green,2mm	PCS	1			Y	Led2
42	PCB	FR4 double-layer, gold-coated, T=1.0mm for BHS-01-R	PCS	1			Y	
43	Antenna	2.4GHZ Antenna,50Ω, Through-hole	PCS	1		V02	Y	
44	Resistor SMT	470Ω ±5% 0603	PCS	2			Y	R64,R65