

## BOM of the Module GL2BMU01

NO	name	Specification	Model	Qty.	Placement
1	Chipset	Bluetooth Core BGA	BC212015BDN-E4	1	U1
2	Memory	Flash Memory 4M bit FBGA	AM29LV400BB-90-WAI 4M bit	1	U2
3	RF-switch	RF-Switch SPDT SOT363	HWS314	1	U4
4	LNA	Low Noise Amplifier SOT236	XM2400LB-PM0601	1	U5
5	Voltage regulator	Regulator 1.8V SOT235	XC6204B182MR	1	U3
6	Filter	Band Pass Filter 2.4GMHz	MDR741F	1	F1
7	PA	Power Amplifier 2.4GMHz	PA2423L	1	U6
8	Balun	Balun 2.4GHz	HHM-1517	1	T1
9	Crystal	16MHz $\pm$ 10ppm 9p 4X2.5mm(-10~+60)	CX-4025S	1	Y1
10	Inductor	1.8nH $\pm$ 0.2nH SMD 0402	LL1005-FH1N8S	1	L7
11	Inductor	2.7nH $\pm$ 0.2nH SMD 0402	LL1005-FH2N7S	3	L6
12	Inductor	3.9nH $\pm$ 0.2nH SMD 0402	LL1005-FH3N9S	3	L1 , L2 , L3 , L4
13	Inductor	27nH $\pm$ 5% SMD 0402	LL1005-FH27NK	1	L5
14	Resistor	0 $\pm$ 5% SMD 0402	WR04X000PT	2	R1 , R3 , R11
15	Resistor	2.2 $\pm$ 5% SMD 0402	WR04X2R2JT	1	R8
16	Resistor	22 $\pm$ 1% SMD 0402	WR04X220JT	3	R4 , R5 , R6
17	Resistor	47 $\pm$ 1% SMD 0402	WR04X470JT	1	R9 , R10
18	Resistor	1K $\pm$ 1% SMD 0402	WR04X102FT	1	R7
19	Resistor	180K $\pm$ 1% SMD 0402	WR04X184FT	1	R2
20	capacitor	1pF $\pm$ 0.25pF 50V COG SMD 0402	GRP1555C1H1R0C	1	C29
21	capacitor	1.8pF $\pm$ 0.25pF 50V COG SMD 0402	GRP1555C1H1R8C	2	C1 , C2
22	capacitor	2.7pF $\pm$ 0.25pF 50V COG SMD 0402	GRP1555C1H2R7C	2	C26
23	capacitor	3.3pF $\pm$ 0.25pF 50V COG SMD 0402	GRP1555C1H3R3C	1	C11
24	capacitor	4.7pF $\pm$ 0.25pF 50V COG SMD 0402	GRP1555C1H4R7C	1	C27
25	capacitor	5.6pF $\pm$ 0.25pF 50V COG SMD 0402	GRP1555C1H5R6C	2	C17
26	capacitor	10pF $\pm$ 0.5pF 50V COG SMD 0402	GRP1555C1H100J	4	C6 , C12 , C24 , C30 , C33
27	capacitor	15pF $\pm$ 0.5pF 50V COG SMD 0402	GRP1555C1H150J	3	C21 , C23 , C32
28	capacitor	47pF $\pm$ 5% 50V COG SMD 0402	GRP1555C1H470J	2	C9 , C18
29	capacitor	220pF $\pm$ 5% 50V COG SMD 0603	GRP1885C1H221J	1	C7
30	capacitor	1000pF $\pm$ 10% 50V X7R SMD 0402	GPR155R71H102K	2	C19 , C20
31	capacitor	0.027uF $\pm$ 10% 50V X7R SMD 0402	GRP1555C1273C	1	C25
32	capacitor	0.01uF $\pm$ 10% 25V X7R SMD 0402	GRP155R71E103K	5	C4 , C5 , C10 , C13 , C15
33	capacitor	0.1uF $\pm$ 10% 10V X5R SMD 0402	GRP155R61A104K	3	C16 , C31 , C34
34	capacitor	2.2uF $\pm$ 10% 16V X7R SMD 0805	GRM40Y5V225Z25	2	C8 , C14
35	PCB	4 Layer FR4 8.0mm Class 1	103G4005A	1	

## BOM of the USB dongle GL2BDG91

1	module	GL2BMU01	Class1 module		U3
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2	PCB	PCB GL2BDG92	G132L017A0	1	
3	connector	Connector UAR10-4W2100 ACON	UAR10-4W2100	1	CON1
4	Voltage regulator	Regulator XC6204B332MR	XC6204B332MR	1	U2
5	capacitor	2.2uF ±10% 16V X7R SMD 0805	GRM40Y5V225Z25	2	C1 , C3
6	capacitor	0.1uF ±10% 16V X7R SMD 0603	GM188R71C104K	1	C2
7	Resistor	470 ±1% SMD 0603	WR06X4700FT	1	R4
8	Resistor	10K ±5% SMD 0603	WR06X103JT	1	R1
9	LED	LED KP-1608SGC 今台	KP-1608SGC	1	D1
10	transistor	Transistor NPN SOT23	MMBT3904	1	Q1
11	antenna	Antenna C-BR04-169	C-BR04-169	1	ANT