

## X2+ BOM V1.2

Item	Part Number	PART NAME	Value	Description	QTY	Reference
1	23.02.X2+V12C02K	PCB	X2+_V1.2	X2+_V1.2 FR4 6LAYOUT 25.71*33.79*0.8mm	1	
2	05.01.3301JAB20A	Resistor	3.3K	RES 3.3K±5% 1/20W 0201	1	R107
3	05.01.020SJC96K	Resistor	0.2R	RES 0.2R±1% 1/10W 0603	1	R108
4	05.01.6800JBB20A	Resistor	680R	RES 680R±5% 1/16W 0402	2	R1 R2
5	05.01.49R9FAB20A	Resistor	49.9R	RES 49.9R±1% 1/20W 0201	1	R5205
6	05.01.0000JAB20A	Resistor	0R	RES 0R±5% 1/20W 0201	18	R109 R8 R5207 R5212 R3018 R5001 R5103 R5129 R5130 R5132 R3016 R3017 R5101 R5102 R302 R5202 R5203 R5206
7	05.01.1203JAF20K	Resistor	120K	RES 120K±5% 1/20W 0201	1	R5128
8	05.01.9102JAB20A	Resistor	91K	RES 91K±1% 1/20W 0201	1	R5110
9	05.01.1501JAB20A	Resistor	1.5K	RES 1.5K±5% 1/20W 0201	1	R1000
10	05.01.1002JAB20A	Resistor	10K	RES 10K±5% 1/20W 0201	8	R104 R303 R1202 R1211 R5211 R5222 R5223 R12
11	05.01.9103JAB20A	Resistor	910K	RES 910K±5% 1/20W 0201	1	R5213
12	05.01.1001JAB20A	Resistor	1K	RES 1K±5% 1/20W 0201	2	R102 R1107
13	05.01.1003JAB20A	Resistor	100K	RES 100K±5% 1/20W 0201	5	R9 R10 R11 R14 R5204
14	05.01.2402JAB20A	Resistor	24K	RES 24K±5% 1/20W 0201	1	R304
15	05.01.4701JAB20A	Resistor	4.7K	RES 4.7K±5% 1/20W 0201	2	R1201 R1203
16	05.01.3303FAB20A	Resistor	330K	RES 330K±1% 1/20W 0201	1	R106
17	05.01.3902FAB20A	Resistor	39K	RES 39K±1% 1/20W 0201	1	R105
18	06.02.104K2BF02K	CERAMIC CAPACITOR	1uF	CERAMIC CAP 1uF±10% 6.3V 0402	3	C5209 C5227 C5203

19	06. 02. 225K3BB01B	CERAMIC CAPACITOR	2. 2uF	CERAMIC CAP 2. 2uF ±10% 10V 0402	3	C5124 C5126 C1005
20	06. 02. 475K3BB97K	CERAMIC CAPACITOR	4. 7uF	CERAMIC CAP 4. 7uF ±10% 10V 0402	10	C5113 C5114 C5115 C5116 C5121 C5122 C5202 C5207 C5214 C5206
21	06. 02. 105M2AB01K	CERAMIC CAPACITOR	1uF	CERAMIC CAP 1uF ±20% 6. 3V 0201	32	C1 C63 C125 C1000 C1001 C1004 C1006 C1007 C1008 C1009 C1010 C1016 C1017 C1020 C1021 C1022 C1023 C3018 C4000 C5112 C5117 C5118 C5119 C5120 C5123 C5130 C5216 C5220 C5224 C5226 C16 C15
22	06. 02. 105K4BB97K	CERAMIC CAPACITOR	1uF	CERAMIC CAP 1uF ±10% 16V 0402	2	C3 C235
23	06. 02. 226K3CB01A	CERAMIC CAPACITOR	22uF	CERAMIC CAP 22uF ±20% 6. 3V 0603	1	C312
24	06. 02. 104K4AB01C	CERAMIC CAPACITOR	100nF	CERAMIC CAP 100nF ±10% 10V 0201	7	C5109 C5221 C5222 C5225 C5201 C5219 C323
25	06. 02. 102K8AB01B	CERAMIC CAPACITOR	1nF	CERAMIC CAP 1nF ±10% 50V 0201	2	C5104 C5223
26	06. 02. 10FC8AB01B	CERAMIC CAPACITOR	1pF	CERAMIC CAP 1pF ±0. 25pF 50V 0201	1	C5125
27	06. 02. 50SC8AB01B	CERAMIC CAPACITOR	0. 5pF	CERAMIC CAP 0. 5pF ±0. 25pF 50V 0201	2	C310 C5001
28	06. 02. 12FC8AB01C	CERAMIC CAPACITOR	1. 2pF	CERAMIC CAP 1. 2pF ±0. 25pF 50V 0201	1	C5005
29	06. 02. 15FC8AB01B	CERAMIC CAPACITOR	1. 5pF	CERAMIC CAP 1. 5pF ±0. 25pF 50V 0201	2	C5004 L5004
30	06. 02. 18FC8AB01B	CERAMIC CAPACITOR	1. 8pF	CERAMIC CAP 1. 8pF ±0. 25pF 50V 0201	2	C5002 C5003
31	06. 02. 103K8AB69K	CERAMIC CAPACITOR	10nF	CERAMIC CAP 10nF ±10% 50V 0201	1	C1104

32	06.02.22FC8AB01B	CERAMIC CAPACITOR	2.2pF	CERAMIC CAP 2.2pF±0.25pF 50V 0201	2	C309 C5212
33	06.02.220J8AB01B	CERAMIC CAPACITOR	22pF	CERAMIC CAP 22pF±5% 50V 0201	6	C305 C0305 C0307 C320 C321 C322
34	06.02.152K8AB01C	CERAMIC CAPACITOR	1.5nF	CERAMIC CAP 1.5nF±10% 50V 0201	1	C308
35	06.02.100J8AB01B	CERAMIC CAPACITOR	10pF	CERAMIC CAP 10pF±5% 50V 0201	2	C5204 C5218
36	06.02.180J8AB01B	CERAMIC CAPACITOR	18pF	CERAMIC CAP 18pF±5% 50V 0201	1	C5213
37	06.02.221J8AB01B	CERAMIC CAPACITOR	220pF	CERAMIC CAP 220pF±10% 50V 0201	1	C311
38	06.02.390J8AB01B	CERAMIC CAPACITOR	39pF	CERAMIC CAP 39pF±5% 50V 0201	1	C313
39	06.02.106K3CB01B	CERAMIC CAPACITOR	10uF	CERAMIC CAP 10uF±20% 6.3V 0603	1	C120
40	06.02.330J8AB01B	CERAMIC CAPACITOR	33pF	CERAMIC CAP 33pF±5% 50V 0201	3	C17 C18 C19
41	07.01.10FKHDB01A	INDUCTOR	1.0uH	SMT STACKED IND 1.0uH±30% 1.9A 2.0*1.6*1.0	1	L5104
42	07.01.22FNHDB77B	INDUCTOR	2.2uH	SMT STACKED IND 2.2uH±20% 1.2A 2.0*1.25*0.8	1	L5201
43	07.01.56FSHAB01B	INDUCTOR	5.6nH	SMT STACKED IND 5.6nH±0.3nH 260mA 0201	1	L301
44	07.01.15FSHAB01B	INDUCTOR	1.5nH	SMT STACKED IND 1.5nH±0.3nH 430mA 0201	1	L5001
45	07.01.27FSHAB01B	INDUCTOR	2.7nH	SMT STACKED IND 2.7nH±0.3nH 340mA 0201	1	L5002
46	07.01.33FSHAB01C	INDUCTOR	3.3nH	SMT STACKED IND 3.3nH±0.3nH 320mA 0201	1	L303
47	07.01.39FSHAB01C	INDUCTOR	3.9nH	SMT STACKED IND 3.9nH±0.3nH 300mA 0201	2	L302 C301
48	07.01.43FSHAB01C	INDUCTOR	4.3nH	SMT STACKED IND 4.3nH±0.3nH 280mA 0201	3	L5003 L304 L305
49	08.01.182KNBB01A	BEAD	1800ohm	SMT BEAD 1800ohm@100M, 1620@1G, 200mA, 2.2ohm, 0402	2	L5202 B1
50	22.00.8Z2612B16K	CRYSTAL	26M CRYSTAL	FRE:26MHZ;±10ppm ;CL:7.3pf;3225;4P IN	1	X3000

51	22.00.5006CGB16K	CRYSTAL	16.368M TCXO	TCXO FER:16.368MHZ;±0.5ppm;Vcc:2.8V;3225;4PIN	1	U5102
52	14.01.DA2130A55K	G-Sensor	da213	G-sensor, ±2/4/8/16g 8bit/10bit/12bit/ 14bit VLGA-12	1	U4
53	14.01.MT2503A02K	IC	MT2503A V/B	IC 2G MT2503AV/B, VFBGA215 P0.4, 8.4*6.2*1.0	1	U1000
54	14.01.6625E0A09K	RF-PA IC	RDA6625 e	FEM GSM/GPRS QUAD BAND With 2 RX ports LGA32 5*5*1.1	1	U301
55	14.02.621233A28K	LDO	3.3V LDO	LDO 1.2-5.5V 3.3V 250mA DFN 1*1*0.4	1	U903
56	11.00.521C30B92K	DIODE	RB521C3 0-2/TR	SMT SCHOTTKY DIODE 30V 100mA SOD-923	1	D1
57	11.00.PZ5D4VB49K	DIODE	5.1V	SMT TVS DIODE 5.1V 300pF SOD- 523	1	D101
58	12.00.D114EEB76K	Transistor	DTC114E E	SMT Transistor NPN 100mA 150mW SOT-523	2	Q1 Q2
59	14.01.X2+XMQA86K	SIM SOCKET	8PIN	SIM 5mm*6mm 8PIN	1	J4
60	12.00.HBA720C88K	IC	HBA720C	HBA720C DFN-6L 2*2MM	1	Q101
61	20.07.WS4639A28K	SWITCH SOCKET	WS4639F C-12/TR	POWER IC 23mohm/3.8V 3.8A/4.5A CSP- 12L 1.6*1.2*0.6	1	U2
62	14.01.FB2012B66K	BALUN FILTER	FB2012- 05N2R4G T/LF	BALUN FILTER 2400M~2500M 2.0*1.2*0.9	1	U5201
63	21.06.014010F45A	RF-SOCKET	RF- SOCKET	RF-SOCKET	1	J2
64	21.07.023A01F32K	BAT-SOCKET	2PIN	2PIN SOCKET	1	BAT1
65	21.11.F50106F61K	FPC Connector	6 PIN 0.5mm	6PIN FPC SOCKET	1	J5
66	07.01.390SHAB01B	DIODE	39nH	SMT STACKED IND 39nH±5% 100mA 0201	1	L4
67	53.03.X2+000E01K	SHIELDING CASE	SHIELDI NG CASE	X2+ 26.6*18*1.4	1	
68	53.09.X2+V30F48K	SHIELDING CASE	X2+_Shi elding_ V3.0	X2+_Shielding 12.7*9.14*1.4*0.2 mm	1	
69	54.05.204005F67K	Pogo Pin	PG2.0- 4.5-0.5	TOUCH PIN , 2.0 *4.0MM	3	ANT1 ANT6 ANT7

70	07.01.47FSHAB01C	DIODE	4.7nH	SMT STACKED IND 4.7nH±0.3nH 280mA 0201	1	L5102
71	14.01.U6435FA45K	FLASH	64M+0	SPI FLASH 64Mb 1.8V 104MHz WSON8 6*5*0.8	1	U4001
<b>Charge board</b>						
1	23.01.X2+CHGC02K	PCB	X2+_CHG V1.0	X2+_CHG_V1.0	1	PCB
2	21.14.05017AF65K	USB SOCKET	USM01- 05017AF 022	MICRO 5P USB	1	J401
3	21.14.USBM5PF39K	USB SOCKET	5PIN	GY-USBM5P-208		