

## EXB100 Partlist

2011.05.18

Item	Discription	Part Number	Quantity	Reference	제조사
1	TANTAL/CHIP/SIZE (A)	10u/6.3V(A)	4	CE3,CE5,CE7,CE8	Samsung Electornic
2	TANTAL/CHIP/SIZE (B)	22u/6.3V(B)	2	CE1, CE6	Samsung Electornic
3	TANTAL/CHIP/SIZE (J)	1u/10V(J)	1	CE4	Samsung Electornic
4	CHIP/CAP/1005	100nF	24	C1,C2,C5,C8,C9,C11,C12,C16,C17, C18,C19,C22,C23,C24,C25,C26,C27, C28,C29,C34,C35,C36,C45,C46	ROHM
5	CHIP/CAP/1005	1.2pF	1	C48	ROHM
6	CHIP/CAP/1005	1000pF	4	C41,C42,C43,C44	ROHM
7	CHIP/CAP/2012	3.3uF	8	C6,C7,C10,C14,C30,C31,C32,C33	ROHM
8	CHIP/RES/1005	0	1	R14	ROHM
9	CHIP/RES/1005	10K	13	R4,R8,R12,R16,R17,R18,R19,R20,R24, R40,R41,R42,R43	ROHM
10	CHIP/RES/1005	2.2K	2	R28,R29	ROHM
11	CHIP/RES/1005	10	1	R27	ROHM
12	CHIP/RES/1005/F $\frac{1}{4}$ (1%)	3.9K	0		
13	CHIP/RES/1005/F $\frac{1}{4}$ (1%)	10.2K 1%	1	R10	ROHM
14	CHIP/RES/1005	1K	1	R7	ROHM
15	CHIP/RES/1005	560	2	R22,R23	
16	CHIP/RES/1005	100	2	R3,R25	ROHM
17	CHIP/RES/1005	33	10	R21,R30,R31,R32,R33,R34,R35,R36,R37,R39	ROHM
18	CHIP/RES/1005	47K	1	R13	ROHM
19	CHIP/RES/1005	100K	1	R50	ROHM
20	CHIP/IND/1005	CM1608F3R3K	1	L1	ROHM
21	CHIP/BEAD/1608	CB1608PA600	10	B1,B2,B4,B5,B6,B7,B8,B9,B10,B12	SAMWHA
22	1.25 PITCH 2PIN RIGHT ANGLE	12505WR-02	1	J2	MOLEX
23	MINI USB JACK	USB0400ASMT	1	J1	Wha-In Electronics
24	STEREO JACK	TSH-3865D	1	J3	Wha-In Electronics
25	Tact Switch	ITS-03	4	SW2,SW3,SW4,SW5	Wha-In Electronics
26	Slide Switch	ISS-2235S	1	SW1	Wha-In Electronics
27	CHIP/LED/1616 GREEN	LED COLOR GREEN	1	LED1	ROHM
28	CHIP/LED/1608 RED	LED COLOR RED	1	LED2	ROHM
29	CHIP/LED/1608 BLUE	LED COLOR BLUE	1	LED3	ROHM
30	Schottky barrier diode	RB060-30	2	D1,D2	ROHM
31	8bit Microcontrollers	ATMEGA48V/TQFP	1	U6	ATMEGA
32	LDO/REGULATOR	NJM2872BF33	1	U3	NJRC
33	D-CLASS AMP WITH VOLUME CONTROL	TPA2016D2RTJR/QFN	1	U5	TI
34	Lithium-Ion/Polymer Battery Charger	AAT3690/TDFN33-12	1	U2	ANALOGIC TECH
35	2.4GHz Antenna	ODBTP3015	1	E1	PATRON
36	BLUETOOTH MODULE	MBL0502	1	U4	PATRON
37	PCB	13*113*1t	1		
38	WIRE(RED)	--	2		
39	WIRE(BLACK)	--	2		
40	BATTERY		1		YOKU ENERGY

※ R5, R45, R46 Removed

## Part Report (BaseOption)

For MBL0502 Rev0.1.pcb on 2010-02-01 오후 5:33:54

Bom code.	구분	Footprint	Value	오차(+)	오차(-)	Value Dsc	개수	Reference	PART NO.
CH02-03103B	C	0603	10nF	+15%	-15%	-	6	C1,C2,C4, C5,C6,C12	GRM033R71A103KA01D
CH02-03150M	C	0603	15pF	+5%	-5%	-	2	C3,C7	GRM0335C1E150JD01D
CH02-03473M	C	0603	47nF	+10%	-10%	-	1	C8	GRM033R60J473KE19D
CH02-03060M	C	0603	6pF	+0.25pF	+0.25pF	-	1	C9	GRM0335C1E6R0CD01D
CH02-03180M	C	0603	18pF	+5%	-5%	-	1	C10	GRM0335C1E180JD01D
CH02-05225M	C	1005	2.2uF	+20%	-20%	-	1	C11	GRM155R60J225ME15D
CH03-03150M	L	0603	15nH	+3%	-3%	-	1	L1	LQP03TN15NH00D
CH01-032R2A	R	0603	2.2Ω	+5%	-5%	-	1	R1	MCR006YZPJ2R2
PU92-00013A	MBL0502 IC	8 x 8 x 1.2mm(T)	CSR, BC5-EXT			-	1	U1	BC57E687C-GITB-E4
PU93-00005A	Filter	1.25 x 2 x 0.8mm(T)	2.441MHz, 50Ω			-	1	U2	DBF81F104-CSR-T
AXC5X260000FJVRR00	X-Tal	25 x 20 x 0.56mm(T)	26.000MHz, 8pF, 15ppm	+15ppm	-15ppm	-	1	U3	CXC6X260000EJVRR00
PU46-00002A	Flash Memory	4.0 x 6.0 x 0.75mm(T)	BOT BOOT, WFBGA, 0.3mm Land Opening -40℃~85℃, 1.8V			-	1	U4	MX29SL802CBXHI-90G
PU11-00011A	SHIELD COVER	10.2 x 12.7 x 2.05mm(T)	SUS, Ni도금, 0.15mm(T)	+0.1mm	-0.1mm	-	1		
PU31-00026A	PCB	10.4 x 12.9 x 0.6mm(T)	Build-up 6Layer Au도금, 0.6mm(T)				1		

Name	Value	Position X	Position Y	Orientation
C1	10nF	8.25	1.05	90
C2	10nF	1.9	1.05	90
C3	15pF	4.3	1.05	90
C4	10nF	1.4	1.05	90
C5	10nF	0.9	1.05	90
C6	10nF	8.8	1.05	90
C7	15pF	7.15	1.05	270
C8	47nF	2.4	1.05	90
C9	6pF	9.9	0.6	180
C10	18pF	11.2	0.6	0
C11	2.2uF	3.1	0.95	270
C12	10nF	9.4	10.1	0
L1	15nH	7.7	1.05	270
R1	2.2R	3.8	1.05	90
U1	MM-External	4.5	6.1	90
U2	50Ω	5.75	1.1	90
U3	26MHz, 15ppm, 8pF	10.8	2.2	0
U4	WFBGA	10.77	6.6	0