

MODEL: B1  
MAIN BOARD PCB  
DATE : October.09.2007  
REV: ER  
1. YELLOW : SPEC 변경

US\$ : 원화

L1	L2	/TYPE	VENDER		REFERENCE	
	B-1 MAIN PCB 10Layer Impedance Board	.	엑큐리스	1		
	LCD MODULE 4.8" 1024*600	LTS480WS-C01	SAMSUNG	1		
	MEMORY MODULE DDR2 1GByte 533MHz PC2-4200	DDR2 200P	ELPIDA	1		
	TOSHIBA 1.8" HDD DISK 30Gbyte	MK3008GAL	TOSHIBA	1		
	CAMERA PCB TYPE 0.35W F11 MODULE		MCNEX	1		
	SPEAKER 8ohm 1.0W 15파이 4.7T 7mm wire <b>LEFT용</b>	U1508S54G	UNISON	1		
	SPEAKER 8ohm 1.0W 15파이 4.7T 65mm wire <b>RIGHT용</b>	U1508S54G	UNISON	1		
	IC-MODULE WI-FI LAN 60*25*5.52T	VNT6656G6A10: 0.7W@input:3.3V/1.8V, Rx mode	VIA	1		
	CON-ANT WIFI ANT 15*8	WITH WIRE	케이세라	1		
	CON-ANT BLUETOOTH ANT 10*8	WITH WIRE	케이세라	1		
	Touch PAD,PS/2,6pin	TM-00240-003	SYNAPTICS	1		TOUCH PAD
	CABLE-VGA GENDER 150mm	I/O TO VGA CABLE	대산일렉스	1		* 신규 자재 주의
	CABLE-FPC 40P 0.5P,20mm,P7	40N*0.2/0.3*40*P7	MIT	1	HDD 방향 모강 테이프 길이 늘어남	HDD FPCB CABLE
	CABLE-FPC 10P 0.4PITCH,31mm	10NP,0.4PITCH	MIT	1		CAMERA FPCB CABLE
	CABLE-FFC 6P 0.8PITCH,47mm,P7	6N*0.8*47mm*P7	KORA	1		TOUCH PAD FFC CABLE
	BATTERY 103450*4CELL	WITH SCM & PCM <b>소용량 2S2P</b> 7.4V 2000mA	넥스콘	1		CELL=¥587=6000원
	BATTERY UR18650F	WITH SCM & PCM <b>대용량 2S3P</b> 7.4V 7800mA	넥스콘	0		CELL=3000원
	Coin Microbattery 50mm 2.4T	CR2016	VARTA	1		* 자재 VENDER 교체
	AC-DC ADAPTER WITH AC-CODE KR TYPE	12V 3A TYPE OF KOREA	EZ CORE	1		
	JACK-AUDIO 3.5φ BLACK	03-836A1-59BKA	EX	2	J4,J5	
	CON-BATTERY CONNECTOR 3PIN,2.15Pitch,9.7T	WP160-3P-H9.7	PROWELL KOREA	4	CON2,CON3,CON4,CON5	
	CON-USB 4P REVERSE SOCKET TYPE-A	UAS-SASS0-4	DESAN	1	J8	PART VALUE 주의
	CON-SOCKET HEADER 1*6 2.54Pitch	HDR 1X6 2.54pitch		1	J23	WIFI 체결용/컷팅 작업 필요
	CON-SOCKET 2*15-1.27	SOCKET 2X15 1.27pitch		0		POST CARD TEST용
	CON-SOCKET 2*5P 1.27mm pitch	SOCKET 2X5 1.27pitch		0		MICOM WRITING 용도
	SW-SLIDE 3P, SMD	IS-1270	일영스위치	2	SW3,SW4	WIFI,B/T ON/OFF
	SW-TACT VER 7.8*3.5*3.5T	IT-1188E-180g	일영스위치	2	SW5,SW2	전원,RESET S/W

	JACK-DC I-1.3 O-3.7	04-358A3-02BKA	EX	1 J10	DC JACK
	CON-SOCKET DDR2 1.8V,5.2T,Pb-Free	10033853_052AB	FCI	1 CON1	MEMORY SOCKET-1473149-4/TYCOELECTRONICS 대체가능
	CON-FPC 0.5PITCH 40P Bottom Pb	62684-4011A0	FCI	1 J3	HDD 연결
	CON-FPC 0.5PITCH 28P BOTTOM Pb	SFV28R-1ST	FCI	1 J2	BL112-28RL-TAND 대체가능(LCD 연결) KCONN_WISEPOWER TECH
	CON-WAFER , 1.25pitch 2P,Pb	53261-0271/1.25pitch	YEONHO	1 BAT1	COIN BATTERY 연결/12505WR-02,1.25pitch
	CON-WAFER , 1.25pitch 3P,Pb	12505WS-03/1.25pitch	YEONHO	1 FAN1	FAN 연결
	CON-SIM CARD 3.2T	MJ612A-3130-X00	SIMULA	1 J12	SIM CARD SOCKET,ER 만 사용
	CON-ANT 2.1φ 2.5T	20279-001E-01	I-PEX	1 J13	BLUETOOTH ANT 연결 부분
	CON-SOCKET MOBILE 2P	IP127-V02B-N36/CON-SPEAKER	KCONN	2 J6,J7	SPEAKER,FAN 연결
	CON-IO 24Pin,0.5mm,Shutter	49045-0011	MOLEX	1 J16	I/O 24P CONNECTOR
	CON-BTOB P0.5 H5.5 12P SOCKET	DK0.5-SH5.5-12DG	DIGITAL KOREA	4 J17,J18,J20,J21	SUB B-TO-B
	CON-BTOB P H1.5 10P SOCKET	AXK710127G	PANASONIC	1 J19	CAMERA 연결 / 신규 자체 * CAMERA FPCB 적용 커넥터 : AXK810125WG
	CON-WAFER 0.8PITCH,6P Pb	52557-0670	MOLEX	1 J22	TOUCH PAD 연결
	C-TC 10uF, 6.3V,P(2012)	TC9C90J100MPAR	SAMSUNG	1 CT25	
	C-TC 22uF, 6.3V, P(2012)	F920J220MPA	NICHIC	1 CT4,	
	C-TC 100uF, 4V, B(3528)	TC9C90J100MPAR	SAMSUNG	3 CT6, CT7, CT24	
	C-TC, 100uF/6.3V, B(3528) 1.1T	8TP9100M	SANYO	2 CT27,CT1	
	C-TC, 220uF,4V, B(3528) 1.9T	4TPE220MAZB	SANYO	6 CT11,CT12,CT26,CT30,CT31,CT33,CT35	
	C-TC, 330uF,2.5V, B(3528) 1.8T	2R5TPE330MAZB	SANYO	5 CT2,CT3,CT10,CT14,CT17	
	C-TC, 330uF,6.3V, D(7343) 1.8T	8TPE330MAP	SANYO	1 CT32	
	C-CAP 3216 106Z 10uF 16V	8216, 106Z,CG1206Y5V3Z106RL	CHIPCERA	15 C268,C269,C282,C283,C306,C317,C318,C323,C324,C337,C340,C341,C354,C416,C421	내일 준수
	C-CAP 2012 224K 220nF 25V Y5V	2012, 224K	CHIPCERA	3 C309,C312,C315	

	C-CAP 2012 475Z 4.7uF <b>16V</b>	2012, 475Z	CHIPCERA	27	C41,C42,C46,C53,C57,C65,C66,C70,C71,C72,C79,C83,C86,C91,C129,C130,C148,C157,C161,C246,C250,C251,C252,C253,C254,C255,C287	내입 준수
	C-CAP 2012 225Z 2.2uF, <b>16V</b>	2012, 225Z	CHIPCERA	7	C73,C221,C285,C314,C330,C360,C365	내입 준수
	C-CAP 2012 106Z 10uF <b>10V</b>	2012, 106Z	CHIPCERA	24	C1,C2,C3,C4,C94,C97,C100,C103,C131,C137,C143,C162,C194,C198,C205,C223,C228,C240,C242,C270,C271,C368,C394,C395	내입 준수
	C-CAP 2012 226Z 22uF	2012, 226Z	CHIPCERA	17	C6,C10,C14,C18,C22,C26,C28,C30,C32,C33,C34,C35,C36,C37,C50,C257,C258	
	C-CAP 1608 101K 100pF	1608, 101K	CHIPCERA	0		
	C-CAP 1608 102K 1nF	1608, 102K	CHIPCERA	3	C308,C310,C322	
	C-CAP 1608 103Z 0.01uF	1608, 103Z	CHIPCERA	2	C321,C307	
	C-CAP 1608 334K 330nF	1608, 334K	CHIPCERA	0		
	C-CAP 1608 104Z 0.1uF	1608, 104Z	CHIPCERA	6	C248,C249,C311,C313,C316,C328	
	C-CAP 1608 105Z 1uF	1608, 105Z	CHIPCERA	2	C185,C184	
	C-CAP 1608 225Z 2.2uF 6.3V	1608, 225Z	CHIPCERA	3	C399,C38,C297	
	C-CAP 1005 050J 5pF	1005, 050J	CHIPCERA	3	C236,C237,C275	
	C-CAP 1005 5R6J 5.6pF	1005, 5R6J	CHIPCERA	1	C358	* 신규 자재 주의
	C-CAP 1005 100J 10pF	1005, 100J	CHIPCERA	13	C331,C347,C369,C370,C374,C375,C376,C377,C390,C391,C392,C393,C411	
	C-CAP 1005 120J 12pF	1005, 120J	CHIPCERA	2	C288,C279	
	C-CAP 1005 150J 15pF	1005, 150J	CHIPCERA	2	C145,C144	
	C-CAP 1005 220J 22pF	1005, 220J	CHIPCERA	5	C227,C232,C233,C234,C238	
	C-CAP 1005 270J 27pF	1005, 270J	CHIPCERA	3	C114,C115,C219	
	C-CAP 1005 330J 33pF	1005, 330J	CHIPCERA	2	C78,C77	
	C-CAP 1005 560J 56pF	1005, 560J	CHIPCERA	2	C160,C159	
	C-CAP 1005 101K 100pF	1005, 101K	CHIPCERA	2	C350	
	C-CAP 1005 221K 220pF	1005, 221K	CHIPCERA	0		
	C-CAP 1005 471K 470pF	1005, 471K	CHIPCERA	1	C244	
	C-CAP 1005 102K 1nF/1000pF	1005, 102K	CHIPCERA	24	C40,C44,C52,C61,C93,C96,C98,C102,C105,C108,C111,C117,C120,C156,C178,C213,C230,C325,C334,C351,C367,C400,C420,C422	
	C-CAP 1005 122K 1.2nF/1200pF	1005, 122K	CHIPCERA	3	C256,C261,C264	
	C-CAP 1005 152K 1.5nF/1500pF	1005, 152K	CHIPCERA	4	C284,C338,C342,C355	
	C-CAP 1005 472K 4.7nF/4700pF	1005, 472K	CHIPCERA	1	C265	
	C-CAP 1005 103K 10nF/10000pF/0.01uF	1005, 103K	CHIPCERA	43	C5,C7,C9,C11,C13,C15,C17,C19,C21,C23,C25,C27,C29,C31,C43,C76,C85,C87,C121,C123,C136,C149,C150,C151,C152,C153,C154,C155,C158,C186,C187,C188,C190,C191,C192,C286,C333,C346,C366,C402,C405,C408,C425	
	C-CAP 1005 223K 22nF/22000pF/0.022uF	1005, 223K	CHIPCERA	3	C262,C335,C348	
	C-CAP 1005 333K 33nF/33000pF/0.033uF	1005, 333K	CHIPCERA	1	C272	
	C-CAP 1005 473K 47nF/47000pF/0.047uF	1005, 473K	CHIPCERA	2	C319,C320	
	C-CAP 1005 104Z 100nF/0.1uF	1005, 104Z	CHIPCERA	112	C8,C12,C16,C20,C24,C45,C51,C54,C55,C56,C60,C62,C63,C64,C75,C80,C81,C82,C84,C88,C92,C95,C99,C101,C104,C107,C110,C113,C116,C118,C119,C122,C124,C125,C126,C127,C128,C132,C135,	

					C138,C139,C141,C142,C146,C163,C164,C165,C166,C167,C168,C169,C170,C171,C172,C173,C174,C177,C181,C182,C189,C193,C195,C196,C197,C199,C201,C204,C206,C207,C208,C212,C216,C220,C222,C224,C229,C231,C241,C243,	
					C259,C260,C263,C266,C267,C281,C305,C326,C327,C332,C339,C345,C352,C353,C356,C359,C371,C372,C379,C380,C388,C389,C401,C404,C407,C410,C412,C414,C415,C424,C294,C295,C373	
	C-CAP 1005 224K 220nF	1005, 224K	CHIPCERA	2	C349,C247	
	C-CAP 1005 334K 330nF	1005, 334K	CHIPCERA	0		
	C-CAP 1005 105Z 1uF	1005, 105Z	CHIPCERA	45	C39,C47,C48,C49,C58,C59,C67,C68,C69,C74,C89,C90,C106,C109,C112,C133,C134,C140,C147,C175,C176,C179,C180,C183,C200,C209,C210,C211,C214,C215,C225,C226,C239,C245,C273,C274,C276,C277,C278,C280,C329,C398,C403,C406,C409	
	DIODE-SCHOTTKY SDB310WKU/F	SOT-323	AUK	2	D10,D1	PART VALUE 주의
	DIODE-SCHOTTKY SDB310WAU/F	SOT-323	AUK	0		PART VALUE 주의
	IC-TR PNP 2SA1980U/F	SOT-323	AUK	2	Q21,Q22	
	DIODE-SCHOTTKY 1A BARRIER SDB30A40	SMA	AUK	1	D11	PART VALUE 주의
	DIODE-TVS ARRAY,150pF, SDT05J	SOT-363	AUK	1	D25	
	EMI/EMC-FILTER 100ohm,7.5pF ICVE21184E070R101FR	AVRC100	INNOCHIPS	7	D31,D32,D33,D34,D35,D36,D37	
	EMI/EMC-ESDFil, 0ohm, 300pF, ICVFP10181E301	Z1608	INNOCHIPS	1	Z1	
	DIODE-SCHOTTKY 3A,40V, B340A-F SMA	SMA	DIODES	2	D14,D15	
	DIODE-SCHOTTKY 4A PDS540	SMD-D(PDS540)	DIODES	1	D13	
	IC-TR PNP MMBT2907A	SOT-23	DIODES	1	Q30	* 신규 자재 주의
	IC-TR N-CH 2N7002	SOT-23	DIODES	8	Q19,Q20,Q27,Q29,Q31,Q33,Q34,Q35	
	IC-FET 30V N-CH SI7686DP	PowerPAK SO-8	VISHAY	1	Q9	
	IC-FET 30V N-CH SI7336ADP	PowerPAK SO-8	VISHAY	1	Q10	
	IC-FET -30V,P-CH SI4425DY	SO-8	VISHAY	0		
	DIODE-SWITCHING 215mA,70V	BAV99LT1,SOT-23	DIODES	0		
	DIODE 1N4148WV	SOD-123	DIODES	1	D39,	
	IC-FET, Buck Converter IRF7821	SO-8	International Rectifier	1	Q12	
	IC-FET, MOSFET IRF7832	SO-8	International Rectifier	1	Q13	
	IC-TR NPN MMBT3904WT1	SOT-323	ON SEMI	9	Q1,Q2,Q4,Q5,Q23,Q24,Q25,Q28,Q32	
	DIODE-TVS ARRAY,3pF, PJSR05	SOT143	PANJIT	3	D7,D16,D24	

	IC-FET, Dual N-CH, FDS6912A	SO-8	FAIRCHILD	0		
	IC-FET, Single, N-CH FDN337N	SOT-23	FAIRCHILD	0		
	IC-FET, Single, P-CH NDS8435A	SO-8	FAIRCHILD	1	Q18	
	C-LED RED&BLUE, HT-297USD/CB5	LED1608-DUAL	HARVATEK	1	D17	
	C-LED RED,1608, HT-S91UR	D1608	HARVATEK	0		
	C-LED GREEN,1608, HT-191NG	D1608	HARVATEK	1	D20	
	C-LED YELLOW,1608, HT-191YG	D1608	HARVATEK	0		
	C-LED BLUE, 1608, HT-F194NB5	D1608	HARVATEK	4	D19,D22,D23,D41	
	BEAD-CHIP 3216,70ohm 4A 1M3216-700JT	HH-L3216	CERATECH	2	FB44,FB34	
	BEAD-CHIP 2012, 60ohm,3.8A 1M2012-600JT	HH-L2012	CERATECH	2	FB10,FB32	
	BEAD-CHIP 1005, 120ohm,1.1A 1M1608-121JT	HH-L1608	CERATECH	2	FB31,FB30	
	BEAD-CHIP 1005, 60ohm,0.65A 1M1005-600JT	HB-L1005	CERATECH	27	FB1,FB2,FB3,FB4,FB5,FB6,FB7,FB8,FB9,FB11,FB12,FB13,FB14,FB15,FB16,FB17,FB18,FB19,FB24,FB27,FB37,FB41,FB42,FB46,FB49,FB50,FB52,	
	BEAD-CHIP 1005, 1000ohm,0.25A HB-1M1005-102JT	L1005	CERATECH	4	FB20,FB21,FB22,FB23	
	BEAD-CHIP 1005, 600ohm,0.3A 1M1005-601JT	HB-L1005	CERATECH	0		
	BEAD-CHIP 1608, 600ohm,0.2A 1T1608-601JT	HB-L1608	CERATECH	5	L29,L30,L31,L32,L21	* 신규 자재 주의
	BEAD-CHIP 2012, 4.7uF,0.05A B2012-472KJT	FI-L2012	CERATECH	2	L2,L1	
	BEAD-CHIP 1608, 0.12uF 0.2A A1608-121KJT	FI-L1608	CERATECH	3	L11,L12,L19	
	BEAD-CHIP 1608, 68nH,0.6A,1.7GHz DLCB1608-68NJ-SNE	L1608	CERATECH	1	L18	
	BEAD-CHIP 1608, 15nH,0.3A B1608-150JJT	CI-L1608	CERATECH	0		
	C-IND C-MODE COIL 90ohm CL-2M2012-900JT	L2012	CERATECH	10	L5,L6,L20,L22,L23,L24,L25,L26,L27,L28	
	C-IND AUDIO C-MODE COIL 800ohm CMB12-2AOH801M	CMB12 1.25mm*1.0mm	MITSUBISHI	0		
	POWER-IND 10uH/7.3A BCIHP0724-100M	7.3*6.8*2.4T 10uH/7.3A	BAO CHENG	2	L15,L16	YP-7024R-10M 대체
	POWER-IND 2.2uH/7.3A BCIHP0724-2R2	7.3*6.8*2.4T 2.2uH/7.3A	BAO CHENG	1	L7	YP-7024R-2R2M 대체
	POWER-IND 0.56uH/7.3A BCIHP0724-R56	7.3*6.8*2.4T 0.56uH/7.3A	BAO CHENG	1	L8	YP-7024R-R56M 대체
	POWER-IND 1uH/7.3A BCIHP0724-1R0M	7.3*6.8*2.4T 1uH/7.3A	BAO CHENG	1	L9	YP-7024R-1R0M 대체

	POWER-IND 3.3uH/7.3A BCIHP0724-3R3M	7.3*6.8*2.4T 3.3uH/7.3A	BAO CHENG	3	L14,L10,L13	YP-7024R-3R3M 대체
	C-ML VARISTOR 5.5V 1608 VN16-050-671JT	L1608	CERATECH	4	MLV1,MLV2,MLV3,MLV4	V5.5MLA0603/LITTLE FUSE 대체사용
	C-FUSE 0805L100	FUSE2012	LITTLE FUSE	1	PS1	
	POWER-IND 5.2*5.2*2T 33uH/0.4A A914BYW-330M	5.2*5.2*2T 33uH/0.4A	TOKO	2	L3,L4	
	C-A-RES 2012 220J 22ohm	2012 220J 4ARRAY	TATEYAMA	4	RN8,RN30,RN31,RN32	
	C-A-RES 2012 330J 33ohm	2012 330J 4ARRAY	TATEYAMA	1	RN9	
	C-A-RES 2012 470J 47ohm	2012 470J 4ARRAY	TATEYAMA	6	RN13,RN14,RN16,RN17,RN18,RN19	
	C-A-RES 2012 102J 1Kohm	2012 102J 4ARRAY	TATEYAMA	0		
	C-A-RES 2012 103J 10Kohm	2012 103J 4ARRAY	TATEYAMA	6	RN4,RN5,RN6,RN11,RN28,RN29	
	C-RES 0.001ohm 2W R6332	R6332	TATEYAMA	1	R236	
	C-RES 0.15ohm 1W R6332	R6332	TATEYAMA	1	R306	
	C-RES 0.033ohm 1W R6332	R6332	TATEYAMA	1	R302	
	C-THERMISTOR 100K ICNT10S3435G103JTR	R1608	INNOCHIPS	1	R357	
	C-RES 2012 000J 0ohm	2012 000J	TATEYAMA	0		SUB PCB 사용 자재
	C-RES 2012 103J 10Kohm	2012 103J	TATEYAMA	0		SUB PCB 사용 자재
	C-RES 2012 2R2F 2.2ohm	2012 2R2F	TATEYAMA	0		
	C-RES 1608 000J 0ohm	1608 000J	TATEYAMA	23	R501,R502,R503,R504,R505,R506,R507,R508,R509,R512,R513,R514,R516,R517,R519,R520,R521,R522,R523,R525,R526,R528,R530,	
	C-RES 1608 103J 10Kohm	1608 103J	TATEYAMA	0		
	C-RES 1608 4R7F 4.7ohm	1608 4R7F	TATEYAMA	2	R301,R303	
	C-RES 1005 000J 0ohm	1005 000J	TATEYAMA	23	R31,R39,R56,R57,R58,R59,R201,R203,R248,R350,R439,R70,R73,F B28,FB29,FB25,FB26,C289,C290,C291,C292,L17,R536	
	C-RES 1005 010J 1ohm	1005 010J	TATEYAMA	3	R32,R33,R238	
	C-RES 1005 2R2J 2.2ohm	1005 2R2J	TATEYAMA	2	R233,R230	
	C-RES 1005 5R1J 5.1ohm	1005 050J	TATEYAMA	2	R191,R193	
	C-RES 1005 100J 10ohm	1005 100J	TATEYAMA	1	R229	
	C-RES 1005 220J 22ohm	1005 220J	TATEYAMA	28	R47,R48,R49,R51,R52,R55,R60,R65,R69,R93,R101,R102,R103,R110,R111,R112,R113,R115,R206,R427,R428,R429,R430,R444,R457,R458,R459,R485	
	C-RES 1005 270J 27ohm	1005 270J	TATEYAMA	0		
	C-RES 1005 330J 33ohm	1005 330J	TATEYAMA	2	R123,R121	
	C-RES 1005 470J 47ohm	1005 470J	TATEYAMA	4	R24,R26,R443,R463	
	C-RES 1005 101J 100ohm	1005 101J	TATEYAMA	4	R2,R4,R5,R223	
	C-RES 1005 151J 150ohm	1005 151J	TATEYAMA	12	R8,R9,R10,R11,R12,R13,R14,R15,R16,R20,R22,R23	
	C-RES 1005 201J 200ohm	1005 201J	TATEYAMA	3	R34,R35,R36	
	C-RES 1005 221J 220ohm	1005 221J	TATEYAMA	8	R21,R365,R366,R368,R371,R373,R374,R375	

	C-RES 1005 331J 330ohm	1005 331J	TATEYAMA	1	R17	
	C-RES 1005 511J 510ohm	1005 511J	TATEYAMA	0		
	C-RES 1005 681J 680ohm	1005 681J	TATEYAMA	1	R27	
	C-RES 1005 102J 1Kohm	1005 102J	TATEYAMA	7	R74, R244, R431, R433, R449, R466, <b>R188</b>	
	C-RES 1005 222J 2.2Kohm	1005 222J	TATEYAMA	13	R177, R178, R180, R181, R318, R432, R434, R435, R436, R450, <b>R532, R533, R534</b>	
	C-RES 1005 272J 2.7Kohm	1005 272J	TATEYAMA	0		
	C-RES 1005 332J 3.3Kohm	1005 332J	TATEYAMA	0		
	C-RES 1005 472J 4.7Kohm	1005 472J	TATEYAMA	33	R43, R44, R54, R63, R66, R67, R71, R83, R85, R89, R91, R92, R94, R95, R96, R97, R98, R99, R100, R190, R218, R328, R360, R361, R364, R407, R408, R409, R410, R416, R424, R425, <b>R467</b>	
	C-RES 1005 103J 10Kohm	1005 103J	TATEYAMA	82	R1, R3, R7, R25, R30, R61, R62, R64, R72, R75, R76, R77, R78, R79, R80, R81, R82, R86, R87, R88, R104, R105, R109, R129, R143, R151, R152, R153, R156, R167, R173, R174, R175, R176, R183, R184, R194, R213, R256, R257, R308, R309, R332, R333, R353, R355, R356, R363, R377, R381, R385, R397, R399, R400, R401, R402, R440, R441, R442, R445, R446, R447, R448, R456, R460, R472, R473, R474, R475, R480, R482, R484, R489, R490, R491, R492, R493, R494, R495, <b>R488, R314, R378</b>	
	C-RES 1005 203J 20Kohm	1005 203J	TATEYAMA	9	R179, R195, R196, R205, R210, R214, R220, R461, R462	
	C-RES 1005 273J 27Kohm	1005 273J	TATEYAMA	4	R216, R221, R273, R329	
	C-RES 1005 473J 47Kohm	1005 473J	TATEYAMA	3	R37, R182, R417	
	C-RES 1005 104J 100Kohm	1005 104J	TATEYAMA	13	R38, R68, R225, R228, R247, R304, R321, R486, R487, R496, <b>R535, R500, R476</b>	
	C-RES 1005 224J 220Kohm	1005 224J	TATEYAMA	1	<b>R498</b>	* 신규 자체 주의
	C-RES 1005 334J 330Kohm	1005 334J	TATEYAMA	1	R386	
	C-RES 1005 474J 470Kohm	1005 474J	TATEYAMA	1	R211	
	C-RES 1005 564J 560Kohm	1005 564J	TATEYAMA	1	R212	
	C-RES 1005 105J 1Mohm	1005 105J	TATEYAMA	2	<b>R107, R499</b>	
	C-RES 1005 5R1F 5.1ohm	1005 5R1F	TATEYAMA	1	R262	
	C-RES 1005 100F 10ohm	1005 100F	TATEYAMA	1	R144, R146	
	C-RES 1005 150F 15ohm	1005 150F	TATEYAMA	0		
	C-RES 1005 27R4F 27.4ohm	1005 27R4F	TATEYAMA	2	R29, R28	
	C-RES 1005 49R9F 49.9ohm	1005 49R9F	TATEYAMA	1	R40	
	C-RES 1005 510F 51ohm	1005 510F	TATEYAMA	7	R6, R126, R128, R131, R132, R134, R135	
	C-RES 1005 560F 56ohm	1005 560F	TATEYAMA	2	R18, R19	
	C-RES 1005 680F 68ohm	1005 680F	TATEYAMA	0		
	C-RES 1005 750F 75ohm	1005 750F	TATEYAMA	3	R42, R45, R46	
	C-RES 1005 101F 100ohm	1005 101F	TATEYAMA	2	R246, R41	
	C-RES 1005 141F 140ohm	1005 141F	TATEYAMA	1	R53	
	C-RES 1005 2210F 221ohm	1005 2210F	TATEYAMA	1	R243	
	C-RES 1005 3010F 301ohm	1005 3010F	TATEYAMA	1	R50	
	C-RES 1005 4750F 475ohm	1005 4750F	TATEYAMA	1	R120	
	C-RES 1005 102F 1Kohm	1005 102F	TATEYAMA	3	R234, R354, R420	
	C-RES 1005 1101F 1.1Kohm	1005 1101F	TATEYAMA	1	R232	
	C-RES 1005 1211F 1.21Kohm	1005 1211F	TATEYAMA	1	R245	
	C-RES 1005 3011F 3.01Kohm	1005 3011F	TATEYAMA	1	R237	
	C-RES 1005 242F 2.4Kohm	1005 242F	TATEYAMA	1	R422	
	C-RES 1005 4021F 4.02Kohm	1005 4021F	TATEYAMA	2	R199, R200	
	C-RES 1005 4531F 4.53Kohm	1005 4531F	TATEYAMA	1	R239	
	C-RES 1005 512F 5.1Kohm	1005 512F	TATEYAMA	3	R202, R261, R483	
	C-RES 1005 5621F 5.62Kohm	1005 5621F	TATEYAMA	1	R90	
	C-RES 1005 752F 7.5Kohm	1005 752F	TATEYAMA	1	R240	
	C-RES 1005 9091F 9.09Kohm	1005 9091F	TATEYAMA	1	R274	
	C-RES 1005 103F 10Kohm	1005 103F	TATEYAMA	5	R108, R217, R226, R277, R331	
	C-RES 1005 203F 20Kohm	1005 203F	TATEYAMA	1	R207	
	C-RES 1005 3162F 31.6Kohm	1005 3162F	TATEYAMA	1	R222	
	C-RES 1005 333F 33Kohm	1005 333F	TATEYAMA	1	R224	

		C-RES 1005 343F 34Kohm	1005 343F	TATEYAMA	1	R330	
		C-RES 1005 3922F 39.2Kohm	1005 3922F	TATEYAMA	1	R412	
		C-RES 1005 473F 47Kohm	1005 473F	TATEYAMA	2	R209,R208	
		C-RES 1005 5232F 52.3Kohm	1005 5232F	TATEYAMA	1	R215	
		C-RES 1005 6342F 63.4Kohm	1005 6342F	TATEYAMA	1	R147	
		C-RES 1005 683F 68Kohm	1005 683F	TATEYAMA	0		
		C-RES 1005 104F 100Kohm	1005 104F	TATEYAMA	4	R227,R263,R310,R313	

		IC-CPU C7M 1.2G	21*21*1.85T NANO BGA2 400P	VIA	1	U1	
		IC-SYSTEM PROCESSOR VX700	35*35*2.1T FCBGA964P	VIA	1	U3	
		IC-LVDS TRANSMITTER VT1637	LQFP-48P	VIA	1	U39	
		IC-MODULE BLUETOOTH BTTM47C2SA	MSL3-5.3X6.4X1.45T	SAMSUNG	1	U30	• 신규 자재 주의
		IC-Timing control HUB ICS952906BGLF	TSSOP48-6.3-0.5	ICS	1	U6	
		IC-2CH HD AUDIO STAC9200X3NAEB1X	32QFN	IDT	1	U12	
		IC-FLASH MEMORY 8MBit SST49LF080A-33-4C-WHE	TSOP/32P	SST	1	U10	
		IC-LED DRIVER LT3466	10DFN	LINEAR	1	U7	
		IC-TOUCH SCREEN CONTROL BT01R4510SP	QFN32	TECHDINE	1	U8	
		IC-LDO, 1.5V FAN2558MP15X	6MLP_2X2	FAIRCHILD	1	U2	
		IC-LDO, 180mA CMOS LDO FAN2558S25X	SOT23-5	FAIRCHILD	1	U40	
		IC-LDO 3A BUCK TPS51116RGER	QFN24	TI	1	U21	
		IC-Regulator 200mA TPS79933DDCR	SOT23-5	TI	0		
		IC-Regulator 200mA TPS79918DDCR	SOT23-5	TI	1	U68	
		IC-DUAL INVERTER, Pb, NL27WZ04DFT2G	SC70-6	ON-SEMI	2	U5,U4	
		IC-AMP 1.0W AUDIO AMP Pb NCP2890DMR2G	MICRO8	ON-SEMI	2	U14,U15	
		IC-LDO 150mA 1.5V NCP551SN15T1G	SOT23-5	ON-SEMI	1	U23	
		IC-LDO 150mA 3.3V NCP551SN33T1G	SOT23-5	ON-SEMI	1	U22	
		IC-DC_DC 1A STEP-DOWN EL7531IYZ-T7	MSOP10	INTERSIL	1	U19	



	IC-PWM Controller	ISL6227CA	SSOP28	INTERSIL	0		
	IC-SINGLE BUCK	LM27213SQ	QFN48-19P7-TH	N/S	1	U20	
	IC-REGULATOR 500mA 5V	LP2989ILDV-5.0	LLP8	N/S	1	U25	
	IC-DC/DC BUCK Regulator	AOZ1012DI	DFN-8(4*5)	ALPHA & OMEGA	4	U24, U28, U29, U34	
	IC-Charger Current-Limited	MAX1873REEE	SSOP16-0.635	MAXIM	1	U27	
	IC-MICOM 16Bit E/C	HD64F2140BV	TQFP100/16*16*1.5T	Renesas	1	U33	
	IC-Load Switch, Slew Rate 0.5μS,	AAT4280-2	SOT23-6	ANALOGIC TECH	2	U37, U36	
	IC-RESET 2.63V E/C RESET	MIC809RU	SOT-23	MICREL	1	U31	
	IC-EMI REDUCTION LCD PANEL	P2040CF-08TR	TSSOP8-4.4-0.65	PulseCore	1	U69	
	IC-Encryption IC	ALPU-B	SOT-23	NEOWINE	0		
	IC-EEPROM	AT24C16BN-SH-B-1.8V	SO-8	ATMEL	1	U71	• 신규 자재 주의
	X-TAL SMD, 32.768KHz,12.5pF	SSP-7 /6.9X1.4/30ppm			1	X2	
	X-TAL SMD, 5x3.2, 18pF, 14.31818MHz	SX-8, 14.31818M-18pF,DSM4	Jingyuan Electronics		1	X3	
	X-TAL SMD, 5x3.2,12pF 30PPM 27.0000M	SX/8-27.0000M-12PF,DSM4	Jingyuan Electronics		1	X1	
	X-TAL SMD, 5x3.2,18pF 30PPM 12.000MHz	SX/8-12.000MHz-10pF,DSM4	Jingyuan Electronics		1	X4	
	XP HOME SP2 LICENCE	BOTTOM부 접착			1		RECOVERLY 별도
	BLUETOOTH LICENCE	외부 MARK 표기 불가	IVT		1		VoIP 가능
	BIOS LABEL LICENCE	CHIPSET 접착	AMI		1		

MODEL: B-1 PR  
SUB LEFT KEY PCB

**DATE : October.09.2007**

### 1. YELLOW : SPEC

## 2. LED

US\$ :

L1	L2		/TYPE	VENDER		REFERENCE	
	B-1 SUB LEFT PCB 2Layer Board	0.4T			1		
	CON-DOME SHEET			ALPHS	1		
	CON-BTOB P0.5 H5.5 12P PLUG	DK0.5-SH5.5-12DG	DIGITAL KOREA		2 J2,J1		MAIN B-TO-B
	C-CAP 1005 104Z 100nF/0.1uF	C-CAP_ 1005	CHIPCERA		0		
	C-LED BLUE, 1608, HT-F194NB5	HT-F194NB5	HARVATEK		1 D15		
	C-LED WHITE, 1608, AOT-TAWU-XXBCZ	AOT-TAWU-XXBCZ	HARVATEK		12 D1,D2,D3,D5,D6,D7,D8,D9,D11,D12,D13,D14,		
	IC-TR N-CH 2N7002K(Id=300mA)	SOT-23	DIODES		1 Q1		
	EMI/EMC-FILTER 100ohm,7.5pF ICVE21184E070R101FR	AVRC100	INNOCHIPS		4 D4,D10,D16,D17		

[illegible]

## 2. LED

L1	L2		/TYPE	VENDER		REFERENCE	
	B-1 SUB RIGHT PCB 2Layer Board	0.4T			1		
	CON-DOME SHEET			ALPHS	1		

[illegible]

[illegible]

MODEL: B-1 PR  
Bluetooth part

REV: ER

L1	L2		/TYPE	VENDER		REFERENCE	
		CON-ANT 2.1 2.5T	20279-001E-01	I-PEX	1	J13	BLUETOOTH ANT
		C-CAP 2012 225Z 2.2uF, 16V	2012, 225Z	CHIPCERA	7	C360,C365	, C365,C360
		C-CAP 1005 5R6J 5.6pF	1005, 5R6J	CHIPCERA	1	C358	*
		C-CAP 1005 103K 10nF/1000pF/0.01uF	1005, 103K	CHIPCERA	43	C425	C425
		C-CAP 1005 104Z 100nF/0.1uF	1005, 104Z	CHIPCERA	1	C359	C359
		BEAD-CHIP 1005, 60ohm,0.65A HB-1M1005-600JT	L1005	CERATECH	27	FB41	FB41
		BEAD-CHIP 1608, 600ohm,0.2A HB-1T1608-601JT	L1608	CERATECH	5	L29,L30,L31,L32,L21	*
		BEAD-CHIP 1608, 68nH,0.6A,1.7GHz DLCB1608-68NJ-SNE	L1608	CERATECH	1	L18	
		C-IND C-MODE COIL 90ohm CL-2M2012-900JT	L2012	CERATECH	10	L22	L22
		C-RES 1608 000J 0ohm	1608 000J	TATEYAMA	23	R528	R528
		C-RES 1005 000J 0ohm	1005 000J	TATEYAMA	23	L17	L17
		C-RES 1005 222J 2.2Kohm	1005 222J	TATEYAMA	13	R532,R533,R534	R532, R533, R534
		C-RES 1005 103J 10Kohm	1005 103J	TATEYAMA	82	R332, R333	R332, R333
		IC -MODULE BLUETOOTH BTTM47C2SA	MSL3-5.3X6.4X1.45T	SAMSUNG	1	U30	*
		IC -EEPROM AT24C16BN-SH-B- 1.8V	SO-8	ATMEL	1	U71	*

# VN0136B-AR\_BOM

NO	Reference				
1	C32, C21	2	CAP ML 1.2 pF C 50V NPO SMT0402 DARFON	電容\0402	
2	C18	1	CAP ML 1.8 pF C 50V NPO SMT0402 DARFON	電容\0402	
3	C46	1	CAP ML 5.6 pF D 50V NPO SMT0402 DARFON	電容\0402	
4	C3;C7;C8;C12;C15;C80;C81;C9;C14;C17C34;C35;	12	CAP ML 8.2 pF D 50V NPO SMT0402 DARFON	電容\0402	
5	C33, C16	2	CAP ML 10 pF D 50V NPO SMT0402 DARFON	電容\0402	
6	C24, C30, C77	3	CAP ML 1000 pF K 50V X7R SMT0402 DARFON	電容\0402	
7	C19	1	CAP ML 3300 pF K 50V X7R SMT0402 DARFON	電容\0402	
8	C4	1	CAP ML 0.01 uF Z 16V Y5V SMT0402 DARFON	電容\0402	
9	C70	1	CAP ML 0.015 uF Z 16V Y5V SMT0402 DARFON	\0402	
10	C10, C11, C13, C22, C27, C29, C38	7	CAP ML 22 nF Z 16V Y5V SMT0402 DARFON	電容\0402	
12	C20;C23;C25;C36;C37	5	CAP ML 100 nF Z 16V Y5V SMT0402 DARFON	電容\0402	
13	C44;C47;C48;C49;C50;C51;C52;C53;C54;C55;C57;C58;C59;C60;C61;C62;C63;C64;C65;C66;C67;C68;C69;C73	24	CAP ML 0.1 uF Z 16V Y5V SMT0402 DARFON	電容\0402	
14	C41	1	CAP ML 1 uF Z 16V Y5V SMT0603 DARFON	電容\0603	
15	C2, C56, C75, C76, C78	5	CAP ML 4.7 uF M 6.3V X5R SMT0603 JMK107BJ475MA-T TAIYO	電容\0603	
16	C5, C26, C43, C45	4	CAP ML 10 uF Z 10V Y5V SMT0805 LMK212F106ZG-T TAIYO	電容\0805	
17	R21	1	RES CHIP 0 OHM J 1/16W CF SMT0402 TA-I	電阻\0402	
18	R25	1	RES CHIP 10 OHM J 1/16W CF SMT0402 TA-I	電阻\0402	
19	R22	1	RES CHIP 1.5K OHM J 1/16W CF SMT0402 TA-I	電阻\0402	
20	R26;R27	2	RES CHIP 10K OHM J 1/16W CF SMT0402 YAGEO	電阻\0402	
21	R3	1	RES CHIP 110K OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
22	L9	1	RES CHIP 0 OHM J 1/10W CF SMT0603 TA-I	電阻\0603	
23	R29;R35	2	RES CHIP 0 OHM J 1/10W CF SMT0805 TA-I	電阻\0805	
24	R5;R8;R10;R11;R13;R30;R33;R34	8	RES CHIP 0 OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
25	R12;R9	2	RES CHIP 130 OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
26	R7	1	RES CHIP 300 OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
27	R32;R31	2	RES CHIP 330 OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
28	R28	1	RES CHIP 470 OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
29	R2	1	RES CHIP 2.7K OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
31	R15;R17	2	RES CHIP 4.7K OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
31	R6	1	RES CHIP 5.6K OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
32	R23;R19	2	RES CHIP 6.19K OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
33	R1	1	RES CHIP 12K OHM F 1/16W CF SMT0402 TA-I	電阻\0402	
34	U8	1	IC EEPROM AT24C02N-10SU-2.7 2K Bit ATMEL	IC\EEPROM	
*	U8 代用料	1	IS24C02	IC\EEPROM	
35	U2;U11	2	AS179-92	IC	
*	U2;U11 代用料	2	IC SWITCH HWS408 DC-2.5GHz SPDT 6PIN ALPHA	IC	
36	U4 代用料		IC 8801CEEV	IC	
*	U4	1	IC PM LP2985AIM5-2.8 SOT23 5PIN 2.8V NS	IC	

37	U9	1	OSC 40MHZ 20PPM SQ5O04000 15PF,2.9V±5% 5.0*3.2*1.3mm SMD/4PAD SAMSUNG	OSC	
38	U6	1	CRYSTAL 12MHZ ±30PPM 7B12000091 20PF/RR=60 OHM MAX 5*3.2*0.9mm SMD/4PAD TXC	CRYSTAL	
39	L3	1	INDUCTOR HI1005-1B2N2SMT 2.2nH S 300mA SMT0402 ACX	INDUCTOR	
40	L4;L6	2	INDUCTOR HI1005-1B1N5SMT 1nH S 300mA SMT0402 ACX	INDUCTOR	
41	L10	1	FERRITE BEAD BLM18HG471SN1D 470 OHM 0.25 200mA SMT0603 MURATA	BEAD	
42	FL1 代用料	1	FILTER RF/LOCAL BF2012-F2R4DAA	FILTER	
*	FL1	1	FILTER RF/LOCAL LFB212G45SG8A127 SMD 2.0*1.25*0.95mm 2450MHZ MURATA	FILTER	
43	LPF1	1	FILTER MULTI-LAYERED CHIP LC-FILTER LCL10T2450A1 SMD 1.6*0.8*0.6mm/7PAD 2450MHZ SAMSUNG	FILTER	
44	U13;J1 代用料	2	COAXIAL CONNECTOR U.FL-R-SMT-1 (CL331-0472)	CONNECTOR	
*	U13;J1	2	COAXIAL CONNECTOR 20279-001E-01 (SDI-M/C 5)	CONNECTOR	
45	CF1	1	Common Mode Filter <RFCMF1220100M3T,Walsin INC>	Filter	
46	BL1	1	CHIP MULTILAYER HYBRID BALUNS LDB212G4005C- 001 SMD 2.0*1.25*0.95mm 2400±100MHZ 50OHM MURATA	BL1	
47	shielding Cover	1	SHIELDING 1B0219-100-0B STAINLESS STEEL 20.07*21.48*1.7mm SHIELDING <b>COVER</b> TACU	shielding FRAME	
48	shielding FRAME	1	SHIELDING 1T0220-100-0A SPET 19.63*21.04.1.7mm SHIELDING <b>FRAME</b> TACU	shielding Cover	
49	PCB	1/10	FR4-0.8T 191m/m*240m/m	PCB	
50	-26 ( )	3/100	BULK PACKING 26 VN0085G 388*88*3mm 950100404157	26刀卡	
51	-3 ( )	26/100	BULK PACKING 3刀卡 VN0085G 297*88*3mm 950100404157 彩勝	3刀卡	
52	-	1/100	PACKING BOX VN0085G 413*306*93mm WHITE 950200588100 彩勝	白盒	
53	-	1	BULK PACKING CARTON 428*323*495mm 950100204100 彩勝	外箱	
54	U5	1	VT6656	IC	
55	U3	1	IC TRANSCEIVER AL2230S VFQFPN 48PIN AIROHA	IC	