

Appendix 7.

Part list

Item		Spec	Package	Qty	Maker	Reference	PRICE			PRICE/UNIT			관세	운임	내자가격	외자가격	업체	담당자	연락처	이메일
							₩	\$	¥	₩	\$	¥	단가 8%	단가 3%	1,100.0	910				
IC	AV Controller	TW2851	BGA	1	Techwell	U1		\$11.00			\$11.00				12,100.0	\$11.00	IC-LAND	최승혁대리	010-6824-2901	kevin@ic-land.com
IC	TFT Display Controller	MDIN270	BGA	1	Macro media	U15		\$3.40			\$3.400				3,740.0	\$3.40		송성언과장	011-678-9467	monadori@mtinc.co.kr
IC	CPU	S3C2450	BGA	1	SAMSUNG	U17		\$6.10			\$6.10				6,710.0	\$6.10	신성반도체	이경재대리	010-2702-5220	jeek1@samsungsemi.co.kr
IC	MPU	ATMEGA48P	QFP32	1	ATMEL	U450		\$0.70			\$0.70				770.0	\$0.70	세창반도체	정상용대리	010-3883-6287	jevin@sechangsemi.com.com
IC	NOR_FLASH	S29GL256S10TFI01	TSOP	1	SPANSION	U7		\$2.30			\$2.30				2,530.0	\$2.30	엘티웨이브	조병형과장	010-2350-7973	hbcho@ltiwave.co.kr
IC	MOBILE DDR SDRAM	K4X1G163PE-FGC6	FBGA60	1	SAMSUNG	U12	₩2,838.0			2,838.0					2,838.0		신성반도체	이경재대리	010-2702-5220	jeek1@samsungsemi.co.kr
IC	DDR SDRAM	MT46V16M16P-5B IT-M	TSOP	1	MICRON	U25		\$2.00			\$2.00				2,200.0	\$2.00	유니퀘스트	최두환과장	010-8424-6486	jacky@uniquest.co.kr
IC	SPK AMP	JS2005_DFN-8	DFN	2	JULY	U23,U102		\$0.32			\$0.16				352.0	\$0.32	출라이 세미	박선주팀장	010-5347-3029	leo@julysemi.com
IC	RESET-IC	MAX6412UK22	SOT23-5	1	MAXIM	U18		\$0.45			\$0.45				495.0	\$0.45	길라닉스	박경수이사	017-201-1824	kent.park@ellanix.com
IC	Touch Driver	AK4183	TMSOP	1	AKM	U502			₩48.00				₩48.00		648.0		STC	최보훈사원	010-9931-2544	brandon.choi@stc-corp.co.kr
IC	WLED Driver	ACT6358NH-T	TDFN	1	ACTIVESEMI	U501		\$0.38			\$0.38				418.0	\$0.38	TEI	박범진과장	010-4316-2628	bpark@techengine.co.kr
IC	PMIC	ACT8894	TQFN44-32	1	ACTIVESEMI	U3		\$1.20			\$1.20					\$1.20	TEI	박범진과장	010-4316-2628	bpark@techengine.co.kr
IC	Analog Switch	MAX4584	µMAX10	1	MAXIM	U31		\$0.50			\$0.50					\$0.50	길라닉스	박경수이사	017-201-1824	kent.park@ellanix.com
IC	Booster Converter	MP1541	SOT-23-5	1	MPS	U509		\$0.40			\$0.40				440.0	\$0.40	이진테크	이열과장	010-9944-2115	ray@ejintech.kr
IC	Booster Converter	MAX668	TSSOP	1	MAXIM	U2		\$1.20			\$1.20				1,320.0	\$1.20	길라닉스	박경수이사	017-201-1824	kent.park@ellanix.com
IC	LDO	AX6603 330BA	SOT-23-5	2		U14,U16	₩136.0			68.0					136.0					
IC	Termination Regulator	TJ2996DP	SOP8	1	HTC	U26		\$0.62			\$0.62				682.0	\$0.62	송전상사	김덕규이사	017-205-9684	david@infesung.com
IC	LDO	LM1117S-1.2V	SOT223	2	HTC	U10,U11	₩136.0			68.0					136.0		송전상사	김덕규이사	017-205-9684	david@infesung.com
IC	LDO	LM1118S-2.5V	SOT223	1	HTC	U108	₩68.0			68.0							송전상사	김덕규이사	017-205-9684	david@infesung.com
IC	Buck Converter	TPS5450DDAR	SOIC8	1	TI	U603		\$1.25			\$1.250						위코시스템	김옥환팀장	02-6679-7117	okk@infesilicmi.com
IC	Buck Converter	TPS5430DDAR	SOIC8	1	TI	U207		\$0.69			\$0.690						위코시스템	김옥환팀장	02-6679-7117	okk@infesilicmi.com
IC	OP-AMP	TL082	SO-8	1	TI	U110		\$0.06			\$0.060						위코시스템	김옥환팀장	02-6679-7117	okk@infesilicmi.com
IC	Buck Converter	TJ6713DP	SO-8	1	HTC	U30											송전상사	김덕규이사	017-205-9684	david@infesung.com
X-TAL	X-TAL	27MHz	3.2X2.5	2	ITT	X1,X401		\$0.31			\$0.16				341.0	\$0.31	ITT	이문숙팀장	010-4927-2340	kr1@itti-co.com
X-TAL	X-TAL	12MHz	3.2X2.5	1	ITT	X2		\$0.16			\$0.16				176.0	\$0.16	ITT	이문숙팀장	010-4927-2340	kr1@itti-co.com
X-TAL	X-TAL	48MHz	3.2X2.5	1	ITT	X4		\$0.16			\$0.16						ITT	이문숙팀장	010-4927-2340	kr1@itti-co.com
X-TAL	X-TAL	8MHz		1	ITT	X406		\$0.16			\$0.16						ITT	이문숙팀장	010-4927-2340	kr1@itti-co.com
FUSE	Fuse	CC12H3A	3216	1	BUSSMANN	F100	₩130.0			130.0							J&B Light	신승백이사	010-7344-2649	gsb100@harmail.net
FUSE	Poly sw	NANOSMDC050F/13.2	3216	4	TYCO	F21,F45,F52,F58	₩640.0			160.0										
FUSE	Poly sw	LP-MSM150/16	4532	1	WAY ON	F25	₩160.0			160.0							J&B Light	신승백이사	010-7344-2649	gsb100@harmail.net
ANT	BT-ANT			1		A1	₩200.0			200.0										
DIODE	SCHOTTKY DIODE	RB160L-60	SOD-106	2		D502,D507	₩154.0			77					154.0		신영반도체	김명학대표	011-687-7470	gsa134@naver.com
DIODE	DIODE	KDS226	SOT-23	4		D8,D508,D509,D519	₩392.0			98					392.0		신영반도체	김명학대표	011-687-7470	gsa134@naver.com
DIODE	ZENER_DIODE	BZT52C16	SOD-123	1		ZD109	₩23.0			23					23.0		현우	장규환사장	010-2334-9747	hyunwootech@gmail.com
DIODE	ZENER_DIODE	BZT52C6V8	SOD-123	1		ZD110	₩23.0			23					23.0		현우	장규환사장	010-2334-9747	hyunwootech@gmail.com
DIODE	DIODE	SK24	SMB	1		D113	₩68.0			68					68.0		현우	장규환사장	010-2334-9747	hyunwootech@gmail.com
DIODE	DIODE	KDR729	USC	6		D1,D2,D3,D4,D5,D6	₩138.0			23					138.0					
DIODE	DIODE	SK54	SMC	3		D100,D207,D611	₩564.0			188					564.0		현우	장규환사장	010-2334-9747	hyunwootech@gmail.com
ANT	BT-ANT	20279-3P		1		A1														
DIODE	TVS DIODE	P45MAJ12A	SMA	4		TVS1,TVS2,TVS3,TVS4	₩207.0			51.75					207.0		파코전자	최선주과장	010-9005-9192	choisi@pacnec.co.kr
DIODE	TVS DIODE	P65MBJ24A	SMB	1		TVS10	₩120.0			120					120.0					
ESDFIL	ARRAY ESDFIL	AVRCS505		7		FA503,FA504,FA505,FA506,FA507,FA508,FA509	₩280.0			40					280.0					
CMFILTER	CMFILTER	CMF2012P-900-2P-T	2012	1		L5	₩105.0			105					105.0		LM Tech	김영주부장	010-4270-1224	permasia@empal.com
TR	TR	KRC104S		9	KEC	Q1,Q6,Q11,Q12,Q14,Q16,Q18,Q22,Q764	₩144.0			16					144.0		신영반도체	김명학대표	011-687-7470	gsa134@naver.com
FET	FET	IRLML6401TRPBF		7		Q7,Q13,Q15,Q17,Q19,Q23,Q328	₩511.0			73					511.0		현우	장규환사장	010-2334-9747	hyunwootech@gmail.com
FET	N-TYPE FET	SPN2302	SOT-23	6		Q2,Q3,Q4,Q5,Q8,Q312	₩480.0			80					480.0		현우	장규환사장	010-2334-9748	hyunwootech@gmail.com
FET	N-TYPE FET	KMB012N30QA	SOIC8	1		Q106	₩389.0			389										
COIL	CHIP BEAD	FB15P	1005	34		F1,F2,F3,F5,F6,F7,F8,F9,F24,F26,F29,F30,F33,F34,F39,F40,F41,F42,F43,F46,F48,F53,F54,F55,F56,F57,F62,F76,F77,F80,F401,F403,F404,F518	₩323.0			9.5						LM Tech	김영주부장	010-4270-1224	permasia@empal.com	
COIL	CHIP BEAD	FB15S	1005	2		F23,F112	₩12.0			6					12.0		LM Tech	김영주부장	010-4270-1224	permasia@empal.com
COIL	CHIP BEAD	PBY160808T-301Y-N	1608	16		F20,F31,F32,F40,F60,F77,F81,F73,F74,F75,F78,F79,F101,F301,F419,F431,	₩352.0			22					352.0		LM Tech	김영주부장	010-4270-1224	permasia@empal.com
COIL	CHIP BEAD	PBJ201209T-121Y-N	2012	23		F4,F10,F11,F12,F13,F14,F15,F16,F17,F18,F19,F20,F22,F27,F44,F47,F49,F50,F51,F71,F8215,F8216,F8218	₩460.0			20					460.0		LM Tech	김영주부장	010-4270-1224	permasia@empal.com
COIL	INDUCTOR	2.2uH	1608	1		L11	₩50.0			50							LM Tech	김영주부장	010-4270-1224	permasia@empal.com
COIL	INDUCTOR	PI5127-101M-T		1		L6	₩310.0			310							LM Tech	김영주부장	010-4270-1224	permasia@empal.com
COIL	INDUCTOR	PI5127-150M-T		1		L603	₩310.0			310							LM Tech	김영주부장	010-4270-1224	permasia@empal.com
COIL	INDUCTOR	PI5D18-330M	5.7X5.7	1		L501	₩270.0			270					270.0		LM Tech	김영주부장	010-4270-1224	permasia@empal.com
COIL	INDUCTOR	PI58D43-4R7M-T		1		L103	₩270.0			270							LM Tech	김영주부장	010-4270-1224	permasia@empal.com

COIL	INDUCTOR	PIS104-150M-T		1		L208	₩310.0			310						LM Tech	김영주부장	010-4270-1224	permasja@empal.com					
COIL	INDUCTOR	PIS3D12-3R3T		4		L1,L7,L8,L9	₩988.0			247						LM Tech	김영주부장	010-4270-1224	permasja@empal.com					
COIL	INDUCTOR	PIS4D28-100M-T		1		L504	₩247.0			247						LM Tech	김영주부장	010-4270-1224	permasja@empal.com					
CAPACITOR	CERAMIC	102	1005	5		C129,C131,C227,C249,C322	₩7.5			1.5														
CAPACITOR	CERAMIC	103	1005	9		C22,C23,C32,C148,C193,C255,C256,C257,C258	₩13.5			1.5				13.5										
CAPACITOR	CERAMIC	104	1005	221		C1,C5,C8,C10,C11,C12,C15,C16,C24,C25,C27,C28,C29,C30,C31,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C57,C58,C59,C60,C61,C62,C63,C64,C65,C66,C67,C68,C69,C70,C71,C72,C73,C74,C75,C76,C77,C78,C79,C80,C81,C85,C86,C87,C88,C92,C93,C94,C95,C96,C97,C98,C99,C100,C101,C102,C103,C104,C106,C107,C109,C110,C114,C115,C116,C117,C118,C119,C120,C121,C123,C124,C125,C126,C127,C130,C136,C138,C140,C142,C144,C145,C146,C156,C157,C158,C160,C164,C167,C168,C169,C173,C174,C175,C176,C177,C178,C179,C180,C181,C182,C183,C184,C185,C186,C187,C188,C190,C194,C196,C201,C202,C203,C204,C205,C206,C207,C209,C212,C213,C214,C215,C218,C219,C220,C223,C233,C234,C235,C237,C240,C242,C246,C247,C248,C250,C251,C252,C253,C259,C260,C261,C263,C264,C268,C270,C271,C272,C273,C274,C275,C280,C281,C282,C288,C289,C301,C302,C303,C305,C307,C319,C320,C330,C344,C352,C504,C682,C617,C618,C619,C620,C621,C622,C623,C624,C626,C627,C628,C629,C630,C631,C632,C633,C634,C638,C640,C642,C643,C644,C645,C646,C647,C648,C649,C650,C651,C652,C653,C812	₩331.5			1.5				331.5										
CAPACITOR	CERAMIC	105	1005	22		C9,C128,C132,C139,C141,C143,C147,C152,C222,C243,C254,C265,C292,C314,C671,C677,C678,C679,C683,C776,C777,C779	₩33.0			1.5				33.0										
CAPACITOR	CERAMIC	225	1005	10		C19,C105,C108,C111,C112,C279,C804,C805,C806,C807	₩15.0			1.5				15.0										
CAPACITOR	CERAMIC	51p	1005	1		C151	₩1.5			1.5				1.5										
CAPACITOR	CERAMIC	100P	1005	1		C775	₩1.5			1.5				1.5										
CAPACITOR	CERAMIC	332	1005	3		C210,C287,C323	₩4.5			1.5				4.5										
CAPACITOR	CERAMIC	224	1005	1		C2	₩1.5			1.5				1.5										
CAPACITOR	CERAMIC	56p	1005	2		C291,C293	₩3.0			1.5				3.0										
CAPACITOR	CERAMIC	150p	1005	4		C297,C298,C299,C300,C316	₩6.0			1.5				6.0										
CAPACITOR	CERAMIC	220p	1005	1		C4	₩1.5			1.5				1.5										
CAPACITOR	CERAMIC	20p	1005	2		C113,C122	₩3.0			1.5														
CAPACITOR	CERAMIC	8p	1005	2		C170,C325	₩3.0			1.5														
CAPACITOR	CERAMIC	15p	1005	2		C161,C162	₩3.0			1.5														
CAPACITOR	CERAMIC	18p	1005	1		C82	₩1.5			1.5														
CAPACITOR	CERAMIC	22p	1005	2		C405,C406	₩3.0			1.5														
CAPACITOR	CERAMIC	30p	1005	2		C149,C150	₩3.0			1.5														
CAPACITOR	CERAMIC	33p	1005	4		C295,C296,C312,C313	₩6.0			1.5														
CAPACITOR	CERAMIC	330p	1005	2		C83,C84	₩3.0			1.5														
CAPACITOR	CERAMIC	182	1005	1		C166	₩1.5			1.5														
CAPACITOR	CERAMIC	472	1005	1		C236	₩1.5			1.5														
CAPACITOR	CERAMIC	104	1608	1		C641	₩1.5			1.5														
CAPACITOR	CERAMIC	105	1608	1		C13	₩1.5			1.5														
CAPACITOR	CERAMIC	225	1608	4		C17,C26,C208,C211	₩6.0			1.5														
CAPACITOR	CERAMIC	475	1608	1		C153	₩1.5			1.5														
CAPACITOR	CERAMIC	106	1608	5		C294,C311,C315,C318,C321	₩7.5			1.5														
CAPACITOR	CERAMIC	106_16V	2012	23		C3,C7,C14,C133,C134,C135,C154,C155,C171,C172,C197,C199,C200,C241,C266,C283,C284,C285,C286,C561,C600,C754,C755	₩690.0			30				690.0										

CAPACITOR	CERAMIC	106_6.3V	2012	38		C6,C20,C56,C89,C90,C91,C137,C159,C163,C169,C189,C191,C192,C195,C198,C216,C217,C221,C224,C225,C226,C228,C229,C230,C231,C232,C238,C239,C245,C262/C267,C277,C269,C278,C290,C304,C306,C600	W1,140.0			30						1,140.0									
CAPACITOR	CERAMIC	106_50V	3225	1		C21	W367.0			367															
CAPACITOR	ELEC	10uF/16V		2		EC4,EC29	W500.0			250															
CAPACITOR	ELEC	22uF/16V		3		EC224,EC230,EC231	W375.0			125															
CAPACITOR	ELEC	47uF/16V		1		EC2	W125.0			125															
CAPACITOR	ELEC	100uF/6.3V		3		E1,E2,E25	W375.0			125															
CAPACITOR	ELEC	100uF/16V		2		EC5,EC7	W250.0			125															
CAPACITOR	ELEC	330uF/16V		4		EC3,EC206,EC209,EC218	W500.0			125															
CAPACITOR	ELEC	330uF/50V		1		EC1	W125.0			125						125.0									
RESISTOR	RESISTOR	0	1005	149		R5,R9,R11,R14,R15,R18,R19,R20,R26,R27,R31,R43,R58,R59,R60,R61,R66,R67,R69,R70,R71,R72,R74,R77,R78,R79,R81,R82,R90,R91,R92,R93,R94,R95,R101,R103,R106,R107,R110,R113,R116,R121,R122,R123,R124,R125,R126,R131,R135,R136,R138,R139,R140,R141,R142,R143,R144,R146,R147,R149,R157,R158,R159,R163,R164,R165,R167,R168,R172,R173,R178,R179,R180,R183,R190,R193,R198,R203,R211,R212,R213,R214,R215,R216,R217,R218,R219,R220,R221,R222,R225,R233,R234,R238,R240,R252,R254,R255,R266,R268,R278,R292,R293,R294,R298,R300,R347,R349,R352,R355,R356,R357,R358,R359,R360,R361,R404,R405,R406,R407,R408,R409,R410,R411,R412,R417,R424,R469,R470,R501,R502,R622,R626,R627,R628,R630,R652,R653,R658,R660,R661,R662,R917,R918,R967,R970,R971,R974,R1012	W89.4			0.6				89.4											
RESISTOR	RESISTOR	24	1005	9		R184,R383,R384,R385,R386,R387,R388,R389,R390	W5.4			0.6						5.4									
RESISTOR	RESISTOR	33	1005	3		R96,R97,R509	W1.8			0.6															
RESISTOR	RESISTOR	51	1005	7		R114,R115,R137,R419,R420,R421,R422	W4.2			0.6						4.2									
RESISTOR	RESISTOR	75	1005	6		R10,R17,R32,R44,R102,R104	W3.6			0.6						3.6									
RESISTOR	RESISTOR	100	1005	6		R151,R181,R507,R508,R665,R666	W3.6			0.6															
RESISTOR	RESISTOR	330	1005	1		R418	W0.6			0.6															
RESISTOR	RESISTOR	1K	1005	6		R185,R189,R206,R207,R208,R1072	W3.6			0.6															
RESISTOR	RESISTOR	1.2K	1005	1		R41	W0.6			0.6															
RESISTOR	RESISTOR	1.5K	1005	1		R1064	W0.6			0.6															
RESISTOR	RESISTOR	2.2K	1005	3		R182,R302,R303	W1.8			0.6						0.6									
RESISTOR	RESISTOR	2.4K	1005	1		R1069	W0.6			0.6															
RESISTOR	RESISTOR	3K	1005	1		R73	W0.6			0.6															
RESISTOR	RESISTOR	4.7K	1005	54		R16,R28,R30,R38,R45,R48,R52,R55,R83,R84,R98,R99,R100,R105,R108,R109,R148,R171,R194,R195,R224,R226,R229,R230,R231,R232,R239,R241,R242,R243,R244,R247,R248,R249,R250,R251,R253,R258,R259,R260,R261,R262,R263,R264,R265,R276,R296,R305,R668,R669,R735,R913,R976,R1073	W32.4			0.6				32.4											
RESISTOR	RESISTOR	10K	1005	25		R4,R12,R13,R22,R35,R37,R42,R154,R155,R156,R166,R295,R510,R516,R629,R633,R635,R636,R654,R655,R656,R664,R667,R1067,R1070	W15.0			0.6															
RESISTOR	RESISTOR	15K	1005	4		R210,R223,R1068,R1074	W2.4			0.6															
RESISTOR	RESISTOR	20K	1005	4		R209,R235,R236,R237	W2.4			0.6															
RESISTOR	RESISTOR	33K	1005	2		R998,R1062	W1.2			0.6															
RESISTOR	RESISTOR	47K	1005	2		R174,R301	W1.2			0.6						1.2									
RESISTOR	RESISTOR	51K	1005	1		R657	W0.6			0.6															
RESISTOR	RESISTOR	68K	1005	6		R40,R47,R51,R54,R57,R197	W3.6			0.6															

[illegible]

Front

IC	Touch IC	GT108M-UQ4		1	Greenchip	U4		\$0.70			\$0.700				0.0		Green chip	한용현대표	010-4528-0305	yh.han@greenchip.co.kr
Sensor	Ambient Light Sensor	ALS-PDIC17-55C		1	EVERLIGHT	CD5651	₩220.0			220.0					220.0		이미트라이트	최동환K	010-7286-3588	jeremechoi@emittlight.co.kr
IR-Reciver	IR-Reciver	IRM-H238T-TR2		1	EVERLIGHT	D29	₩450.0			450.0					450.0		이미트라이트	최동환K	010-7286-3588	jeremechoi@emittlight.co.kr
DIODE	White-LED	23-21/R6C-APIQ2/3T		5	EVERLIGHT	LED3,LED4,LED5,LED6,LED7	₩550.0			110					550.0					
Connector	Front to Main	1250S1WS-12		1		J806	₩100.0			100					100.0		디에스테크	김육배사장	011-627-6120	dstech6120@paran.com
COIL	CHIP BEAD	FB15P	1005	1		F516	₩9.5			9.5										
RESISTOR	RESISTOR	0	1005	4		R731,R761,R921,R922	₩2.4			0.6										
RESISTOR	RESISTOR	100	1005	6		R586,R924,R925,R926,R927,R929	₩3.6			0.6										
RESISTOR	RESISTOR	330	1005	5		R924,R925,R926,R927,R929	₩3.0			0.6										
RESISTOR	RESISTOR	10K	1005	2		R585,R737	₩1.2			0.6										
RESISTOR	RESISTOR	68K	1005	1		R732	₩0.6			0.6										
CAPACITOR	CERAMIC	104	1005	5		C364,C365,C739,C741,C749	₩7.5			1.5										
CAPACITOR	CERAMIC	106	1608	4		C308,C310,C343,C345	₩80.0			20										
PCB	Front_PCB 2layer			1			₩410.0			410					410.0		우성정밀산업	손현수과장	010-3335-7663	pcbmaster@nclive.co.kr
								₩1,837.8	\$0.70						1,730.0					
								\$1.67	\$0.70		\$2.37									

기타

SPK	SPEAKER Ø40	24-8005-002-100-867		1		SPK		\$1.00			1				648		SORI COM	김정훈	011-9039-4614	kjh7606@empas.com
LCD	8" (800 x 480) 16.2M	AT080TN64		1				\$28.00			28				30,800					
TOUCH	8" Clear, Single layer	M080IC-AA04		1			₩8,900.0			8900					8,900					
Cable	8" Cable & Cam DVI Jack (44P)			1				\$15.00			15				16,500					
Harness	Front to Main			1			₩300.0			300					300					
								₩9,200.0	\$44.00						57,148					
								₩8.36	\$44.00		\$52.36									

Option																				
Remocon				1				\$1.30			1.3				1,430					
Battery		CR2025		1			₩300.0			300					300					

회로 Main & Front Block	\$51.23	TOTAL\$103.59
LCD & Cable류	\$52.36	
Camera (SDC31)		
회로금형		

DATE: 2009.09.20

PART LIST : 1.1

PCB : REV 1.1

회로도 : REV1.1

NO	Description	Part Number	Reference	Pcs	SIZE
1	MLCC	C1005X5R0J105KT(1uF)	C1,C3,C4,C6,C8,C12,C16,C17	8	1005
1	MLCC	C1005X7R1C333KT(33nF)	C2	1	1005
2	MLCC	C1005X7R1C104KT(100nF)	C14,C5	2	1005
3	MLCC	C1005X7R1E103KT(10nF)	C13	1	1005
4	MLCC	C1105C0G1H150JT(15pF)	C7,C9	2	1005
5	MLCC	C1005C0G1H100DT(10pF)	C11,C10	2	1005
6	MLCC	C1005X7R1C473KT(47nF)	C15	1	1005
	MLCC	GRM33X5R333K 6.3 (33nF)	C18	1	0 603
7	CHIP INDUCTOR	15nH	L1	1	1005
8	CHIP INDUCTOR	LQH2MCN330K02L	L3	1	2012
9	CHIP RESISTOR	MCR01 MZPE J 2R2(2.2R)	R1,R2	2	1005
10	CHIP RESISTOR	MCR01 MZPE J 103(10K)	R3	1	1005
11	BALUN FILTER	DBF81F104-CSR-T	T1	1	
12	BT CHIP	BC57E687A	U1	1	TFBGA
13	FLASH MEMORY	SST39VF1601-70-4I-B3KE	U2	1	WFBGA
15	크리스탈	DSX321G-26MHz (Load capacitance : 8PF)	X1	1	3216
16	패킹비 포함		SHEILD CAN	1	
17			PCB	1	