PART LIST

PSU

P A R T   L I S T

NO	PART NAME	SPECIFICATION	LOCATION NO.	UNIT	Q'TY	VENDOR
■ AUTO INSERT (AXIAL)						
101	RES. METAL FILM	1/8W 1Ω F TAPING	R12,15	EA	2	DHO, SMART
102	RES. METAL FILM	1/8W 10Ω F TAPING	R32	EA	1	DHO, SMART
103	RES. METAL FILM	1/8W 20Ω F TAPING	R13,16	EA	2	DHO, SMART
105	RES. METAL FILM	1/8W 240Ω F TAPING	R30	EA	1	DHO, SMART
106	RES. METAL FILM	1/8W 470Ω F TAPING	R20	EA	1	DHO, SMART
107	RES. METAL FILM	1/8W 820Ω F TAPING	R36	EA	1	DHO, SMART
108	RES. METAL FILM	1/8W 1kΩ F TAPING	R14,17,23,29,37, 71,73,75,83	EA	9	DHO, SMART
109	RES. METAL FILM	1/8W 1.2kΩ F TAPING	R77,78	EA	2	DHO, SMART
110	RES. METAL FILM	1/8W 1.5kΩ F TAPING	R25,26,27	EA	3	DHO, SMART
111	RES. METAL FILM	1/8W 2kΩ F TAPING	R66,68,90,91	EA	4	DHO, SMART
112	RES. METAL FILM	1/8W 3.3kΩ F TAPING	R31	EA	1	DHO, SMART
113	RES. METAL FILM	1/8W 4.7kΩ F TAPING	R74,76,84	EA	3	DHO, SMART
114	RES. METAL FILM	1/8W 6.2kΩ F TAPING	R33	EA	1	DHO, SMART
115	RES. METAL FILM	1/8W 10kΩ F TAPING	R21,22	EA	2	DHO, SMART
116	RES. METAL FILM	1/8W 15kΩ F TAPING	R34,79	EA	2	DHO, SMART
117	RES. METAL FILM	1/8W 16kΩ F TAPING	R69	EA	1	DHO, SMART
118	RES. METAL FILM	1/8W 18kΩ F TAPING	R67,92	EA	2	DHO, SMART
119	RES. METAL FILM	1/8W 20kΩ F TAPING	R24,35	EA	2	DHO, SMART
120	RES. METAL FILM	1/8W 68kΩ F TAPING	R42,70,72,85	EA	4	DHO, SMART
121	RES. CARBON FILM	1/4W 1kΩ J TAPING	R38,39	EA	1	DHO, SMART
122	RES. CARBON FILM	1/4W 22Ω J TAPING	R61	EA	1	DHO, SMART
123	RES. CARBON FILM	1/2W 470kΩ J TAPING	R1	EA	1	DHO, SMART
124	RES. METAL OXIDE	2W(MINI-SIZE) 22Ω J TAPING	R18	EA	1	DHO, SMART
125	DIODE FAST RECOVERY	D1NL20	D2,3	EA	2	SHINDENGEN, FUJI, RECTRON
126	DIODE FAST RECOVERY	1N4937 TAPING	D13	EA	1	RECTRON, VISHAY
127	DIODE FAST RECOVERY	UF4007 TAPING	D11	EA	1	RECTRON, VISHAY
128	DIODE FAST RECOVERY	SF24 / D2LC20U TAPING	D16	EA	1	RECTRON, VISHAY, SHINDENGEN
129	DIODE RECTIFIER	SR260 / SB206 TAPING	D10	EA	1	RECTRON, VISHAY
130	DIODE SWITCHING	1N4748 TAPING	ZD1	EA	1	VISHAY, PHILIPS, RECTRON
131	DIODE ZENNER	1N5256B (30V) TAPING	ZD2	EA	1	VISHAY, PHILIPS, RECTRON
132	DIODE ZENNER	P6KE200A TAPING	D12	EA	1	VISHAY, PHILIPS, RECTRON
■ AUTO INSERT (RADIAL)						
201	CAP. CERAMIC	1kV, 1000pF (102) K TAPING	C14,15	EA	2	SAMHWA, NETRONTECH
202	CAP. CERAMIC	1kV, 470pF (471) K TAPING	C12	EA	1	SAMHWA, NETRONTECH
203	CAP. FILM (BOX TYPE)	63V(100V), 0.047μF (473) K TAPING	C25,26	EA	2	YUCHANG, DAEHEUNG
204	CAP. FILM (BOX TYPE)	63V(100V), 0.01μF (103) K TAPING	C38		1	YUCHANG, DAEHEUNG
205	CAP. FILM (BOX TYPE)	63V(100V), 0.1μF (104) K TAPING	C19,20,24,27,29, 30,33,34,37,57	EA	10	YUCHANG, DAEHEUNG
206	CAP. ELECT.	400V, 10μF 10*20 KMG	C13	EA	1	SAMYOUNG
206	CAP. ELECT.	35V, 220μF(8*11.5) NXH 5.0TP	C31,35,36,54,55	EA	5	SAMYOUNG
206	CAP. ELECT.	35V, 470μF 10*20 NXB	C22,23,32	EA	3	SAMYOUNG
206	CAP. ELECT.	16V, 470μF NXH 5.0TP	C28,41	EA	2	SAMYOUNG
206	CAP. ELECT.	16V, 1000μF NXB 5.0TP	C39,40,42	EA	3	SAMYOUNG
206	CAP. ELECT.	50V, 47μF KMG 5.0TP	C21,56	EA	2	SAMYOUNG
206	PEACKING COIL	CC-150 TAPING	L11	EA	1	SAMYOUNG
206	T.R-NPN	KSP 2222A TAPING	Q6,7,8	EA	3	FAIRCHILD
206	FUSE	AP-5 250V 3.15A / SS-5 TAPING	F2,3	EA	2	ALPI, SAVE FUSE
206	I.C SHUNT REGULATOR	KA431AZ, KIA431 TAPING	IC12	EA	1	FAIRCHILD, KEC
■ MANUAL INSERT						
301	POWER - H.I.C	HIC	HIC1	EA	1	CHUNG KWANG TECH
302	RES. METAL OXIDE	2W(MINI-SIZE) 22Ω J (R TYPE)	R19	EA	1	DHO, SMART
303	RES. METAL OXIDE	1W 220kΩ J (R TYPE)	R9,10	EA	2	DHO, SMART
304	RES. METAL OXIDE	2W 100Ω J (R TYPE)	R28	EA	1	DHO, SMART
305	RES. METAL OXIDE	2W 470Ω J (R TYPE)	R41	EA	1	DHO, SMART
306	RES. MPR	MPR 5W J 0.005Ω	SH1,2	EA	2	DHO, SMART

No.	Description	Specification	Ref	Unit	Qty	Maker
307	RES. CEMENT	5W J 200 (R TYPE)	R11	EA	1	DHO, SMART
308	RES. CEMENT	5W J 22 (R TYPE)	R40	EA	1	DHO, SMART
309	RES. VARIABLE	1/2W 1kΩ (102) 3362P / CT6P / GF06P	VR1	EA	1	BOURNS, COPAL, TOCOS
310	RES. VARIABLE	1/2W 200Ω (201) 3362P / CT6P / GF06P	VR2	EA	1	BOURNS, COPAL, TOCOS
311	CAP. ELECT.	35V, 2200μF 18×30 NXB	C16,17,18	EA	3	SAMYOUNG
312	CAP. ELECT.	200V, 470μF 25.4×30 KMH	C8,9	EA	2	SAMYOUNG
313	CAP. CERAMIC (Y-CAP)	250VAC, 2200pF (222) Y1 AD/SD	C3,4,5,53	EA	4	NETRONTECH, SAMHWA
314	CAP. MPP FILM(X-CAP)	275VAC, 0.68μF(684) PCX2 335M/WBU1942/MPX	C1,2	EA	2	PILKOR, YUCHANG, CARLI
315	CAP. MPE FILM	250VAC, 3.3μF(335) / 250V 335K(29×11×27pitch)	C10,11	EA	2	SRM
316	DIODE BRIDGE	D25SB60	BD1	EA	1	RECTRON, SHINDENGEN,LRC
317	DIODE SCHOTTKY	D5S6M, ISR845, MBRF745	D6	EA	1	SHINDENGEN, RECTRON, TS
318	DIODE SCHOTTKY	D83M-004, D30SC4M	D7	EA	1	FUJI, SHINDENGEN, SENCITRON
319	DIODE SCHOTTKY	SR560, SB506, SB560	D8,9	EA	2	RECTRON, VISHAY, TS
320	REGULATOR-SWITCHING	LM2576HVT-ADJ	IC4,6	EA	2	NATIONAL SEMICONDUCTOR
321	REGULATOR-LINEAR	KA7812F, KIA7812F	IC7	EA	1	FAIRCHILD, KEC
322	REGULATOR-SWITCHING	MC33167-ADJ	IC5	EA	1	ONSEMI
323	DIODE FAST RECOVERY	SF20LC20U	D4,5	EA	2	SHINDENGEN, FUJI, SENCITRON
324	MOS-F.E.T(TO-247)	SPW20N60C3, FCA20N60	Q1,2	EA	2	INFINEON, FAIRCHILD
325	TR-SWITCHING	2N2907	Q3,4	EA	2	ST, SIEMENS, PHILIPS
326	I.C-SWITCH	TOP222	IC1	EA	1	P.I
327	I.C-AMPLIFIER	KA358, KA2904	IC13,14	EA	2	FAIRCHILD
328	I.C PHOTO COUPLER	TLP541G(J) / TLP741G(J)	IC3	EA	1	TOSHIBA
329	MAIN TRANSFORMER	PQ3230V 6+6PIN	T1	EA	1	DAE HAN
330	SUB TRANSFORMER	EPC1920H 5+6PIN	T2	EA	1	DAE HAN
331	DRIVE TRANSFORMER	EE1625V 4+6PIN	DT1,2	EA	2	DAE HAN
332	MAIN POWER-INDUCTOR	MPP 27Ø 1.2Ø×1=55T's(PEW)	L1	EA	1	DAE HAN
333	5.5V-POWER-INDUCTOR	KOOL-MU 17Ø 0.9Ø×1=45T's(PEW)	L2	EA	1	DAE HAN
334	7.0V-POWER-INDUCTOR	KOOL-MU 23Ø 1.0Ø×1=50T's(PEW)	L3	EA	1	DAE HAN
335	-27V-POWER-INDUCTOR	KOOL-MU 12Ø 0.5Ø×1=50T's(PEW)	L4	EA	1	DAE HAN
336	POWER BAR-CHOKE	BAR 5Ø×20mm 1.2Ø×1=12.5T's(PEW)	L5,10	EA	2	DAE HAN
337	POWER BAR-CHOKE	BAR 4Ø×15mm 0.9Ø×1=13.5T's(PEW)	L6,7,8,9	EA	4	DAE HAN
338	LINE FILTER	CH940120S	LF1,2	EA	2	TNC
339	VARISTOR	CNR14D471/JVR14N471K/TVR14471	MOV1,2,3	EA	3	CENTRA, JOYIN, THINKING
340	THERMISTOR	D5C5D15/NTC5D15/SCK-5D15	TH1	EA	1	DSC, SAMKYUNG, THINKING
341	THERMAL PROTECTOR	95°C NOMAL CLOSE	TW1	EA	1	
342	CONNECTOR WAFER	GW396-03-N2 / YW396-032V	CN1	EA	1	GEO YOUNG, YEONHO
343	CONNECTOR WAFER	MOLEX5219-2P	CN2	EA	1	MOLEX
344	CONNECTOR WAFER	MOLEX5566-08P	CN3	EA	1	MOLEX
345	CONNECTOR WAFER	SMW-250-06P	CN4	EA	1	YEONHO
346	CONNECTOR WAFER	2007-10P	CN5	EA	1	HANLIM
347	CONNECTOR WAFER	2007-06P	CN6,11	EA	2	HANLIM
348	CONNECTOR WAFER	YW396-02V	CN7	EA	1	YEONHO
349	CONNECTOR WAFER	LWB0640-02P	CN8,10	EA	2	HANLIM
350	CONNECTOR WAFER	YW500-02V	CN9	EA	1	YEONHO
351	CONNECTOR WAFER	LWB0640-07P	CN12	EA		HANLIM
352	CONNECTOR WAFER	LAB0640-05P	CN13	EA		HANLIM
353	TERMINAL BLOCK	SA1-76S-2PC	TB1	EA	1	SEOIL
354	HEAT SINK	HS-NOBA (15×10×25H)	HS1	EA	1	SAMKWANG, YOUNGLIM
355	RELAY-SLIM POLARIZED	TN2-12V	RL1,2,3	EA	3	NAIS
356	RELAY-POWER	JS1-12V	RL4	EA	1	NAIS
357	RELAY-POWER	SDT-S-112DMR	RL5	EA	1	TYCO
358	LED-GREEN	5Ø GREEN	LD1,3	EA	2	
359	LED-RED	5Ø RED	LD2,4	EA	2	
360	INPUT SWITCH	"I" "O" KNOB-BLACK	INPUT SWITCH	EA	1	
361	BATTERY SWITCH	"ON" "OFF" KNOB-RED	BATTERY SWITCH	EA	1	
362	SELECTOR SWITCH	"115" "230" KNOB-RED	110V / 220V	EA	1	SOLTEAM
363	FUSE BLOCK		F1	EA	1	
364	FUSE	250V T5.0AL 5×20mm	F1	EA	1	
365	SIL-PAD	TO3P HOLE-TYPE	Q1,2	EA	2	
366	SCREW	SMS PH3×12	Q1,2, D4,5	EA	4	
367	SCREW	SMS PH3×8	IC4,5	EA	2	

368	SCREW	SMS PH3*6	IC6, PCB	EA	4	
369	SCREW	FH 3*6(HEAD~5mm)	ASS'Y	EA	19	
370	MAIN~P.C.B			EA	1	
371	SUB~P.C.B			EA	1	
372	LED~P.C.B			EA	1	
■ CASE ASS'Y						
401	COVER			EA	1	DOO SUNG TNC
402	BASE			EA	1	DOO SUNG TNC
403	BLANK 1			EA	1	DOO SUNG TNC
404	BLANK 2			EA	1	DOO SUNG TNC
405	SWITCH HOLDER			EA	2	DOO SUNG TNC
■ WIRE HANESS ASS'Y						
501	INPUT SWITCH		INPUT SWITCH	EA	1	
502	BATTERY SWITCH		BATTERY SWITCH	EA	1	
503	SELECTOR SWITCH		110V / 220V	EA	1	
504	LED BOARD		LED BOARD	EA	1	
■ SMD INSERT						
601	CURRENT SENSER	MAX4372FEUK+T(SOT23)	IC2	EA	1	MAXIM
■ SUB METARIAL						
701						
702						
703						

CTRL

NO	Part Name	Spec.	Q'ty	REFERENCE
1	PCB	A070416071B(HUEX1101-2)	1	
1-1	BEAD-CHIP	HB-1S2012-8R0JT	1	L1
1-2	C-CHIP	CL21C220JBANNNC	2	C6 C7
1-3	C-CHIP	CL21C300JBANNNC	0	
1-4	C-CHIP	CL21C101JBANNNC	2	C15 C16
1-5	C-CHIP	CL21C102JBANNNC	13	CC1 CC2 CC3 CC4 CC5 CC6 CC11 CC14 CC15 CC16 CC17 CC18 CC19
1-6	C-CHIP	CL21C103JBANNNC	5	CC7 CC8 CC9 CC10 CC13
1-7	C-CHIP	CL21C104JBANNNC	27	BC1 BC2 BC3 BC4 BC6 BC7 BC8 BC9 BC10 BC11 BC12 BC13 BC14 BC15 BC16 BC17 BC18 BC19 BC20 BC21 BC22 BC23 BC24 BC25 BC26 BC27 BC28
1-8	C-CHIP	CL21C105JBANNNC	10	C8 C9 C10 C11 C12 C13 C14 C17 C19 C20
1-9	CONN-HIF	HIF3FB-10PA-2.54DSA	1	ISPCN1
1-11	CONN-HIF	HIF3H-8D-2.54DSA	2	DEBUG1 DEBUG2
1-10	CONN-HIF	HIF3H-26D-2.54DSA	1	TDD1
1-12	CONN-USB	04B-VTD	1	USBCN1
1-13	CONN-WR	5267-07A	1	COMM1
1-14	CONN-WR	5267-14A	1	LEDCN1
1-15	CONN-WR	A2-8PA-2.54DSA	2	SPI1 SPI2
1-16	CONN-WR	SMAW250-02	1	SYNC1
1-17	CONN-WR	SMAW250-04	1	PWR1
1-18	CONN-WR	SMAW250-08	1	PSU1
1-19	CONN-WR	SMAW250-11	1	LPA1
1-20	CONN-WR	YDAW200-22	1	RFCN1
1-21	C-TANTAL	TMCMA1D475MTRF	6	MC1 MC2 MC3 MC4 C5 C22
1-22	C-TANTAL	TMCMA1C106MTRF	1	C3
1-23	C-TANTAL	TMCMB1C226MTRF	1	C4
1-24	C-TANTAL	TMCME1V226MTRF	1	C1
1-25	C-TANTAL	TMCME1C107MTRF	1	C2
1-26	D-SW	KDS4148U	6	D1 D2 D3 D4 D6 D7

1-27	D-ZN	KDZ5.6V	16	ZD4 ZD5 ZD6 ZD7 ZD8 ZD10 ZD11 ZD12 ZD13 ZD14 ZD15 ZD16 ZD17 ZD18 ZD20 ZD21
1-28	D-ZN	Z02W4.7V	1	D5
1-29	IC-COMM	MAX232ESE	1	MAX1
1-30	IC-CPLD	LC4064V-75TN100I	1	PLD1
1-31	IC-CPLD	LC4256V-75TN100I	1	PLD2
1-32	IC-CPU	ATmega128-16AU	1	CPU1
1-33	IC-REG	MIC29150-5.0WU	1	REG1
1-34	IC-REG	NCV1117ST-3.3	1	REG2
1-35	IC-RESET	DS1232L	1	RST1
1-36	IC-SRAM	K6X4008C1F-GF70	1	U3
1-37	IC-TEMP	TMP36GT9Z	1	TMP1
1-38	IC-TTL	SN74HC244DW 74HC244D	1	BUF2
1-39	IC-TTL	SN74HC245DW 74HC245D	1	U4
1-40	IC-TTL	SN74HC573DW 74HC573D	1	U2
1-41	IC-TTL	SN74LVC244ADW 74LVC244D	1	BUF1
1-42	IC-USB	CP2101	1	U1
1-43	LED	G 3PIE	1	LED1
1-44	OSC	OS-16MHz-SCO105	1	OSC1
1-45	R-ARRAY	RP 164P J 102 CS	3	RP15 RP16 RP17
1-46	R-ARRAY	RP 164P J 472CS	16	RP5 RP6 RP7 RP8 RP9 RP10 RP11 RP12 RP13 RP14 RP18 RP19 RP20 RP21 RP22 RP27
1-47	R-ARRAY	RP 164P J 103 CS	4	RP23 RP24 RP25 RP26
1-48	R-ARRAY	RP 164P J 104 CS	1	RP28
1-49	R-ARRAY	RP 164P J 474 CS	2	RP1 RP2
1-50	R-CHIP	RC2012J000CS	1	R78
1-51	R-CHIP	RC2012F220CS	2	R60 R62
1-52	R-CHIP	RC2012F101CS	43	R2 R4 R5 R7 R8 R9 R10 R11 R12 R13 R14 R15 R17 R19 R21 R23 R24 R25 R26 R27 R28 R29 R30 R31 R33 R34 R36 R39 R43 R45 R46 R47 R48 R49 R50

				R51 R52 R53 R57 R58 R63 R64 R65
1-53	R-CHIP	RC2012F102CS	1	R56
1-54	R-CHIP	RC2012F472CS	6	R59 R67 R68 R73 R74 R79
1-55	R-CHIP	RC2012F103CS	4	R76 R77 R80 R82
1-56	R-CHIP	RC2012F473CS	1	R75
1-57	S/W-DIP	BSD-104P	1	SW1
1-58	S/W-RESET	STP-1230	1	RESET1

2	PCB	A070416071B(HUEX1101-2)	1	
2-1	BEAD-CHIP	HB-1S2012-8R0JT	1	L1
2-2	C-CHIP	CL21C220JBANNNC	2	C6 C7
2-3	C-CHIP	CL21C300JBANNNC	0	
2-4	C-CHIP	CL21C101JBANNNC	2	C15 C16
2-5	C-CHIP	CL21C102JBANNNC	13	CC1 CC2 CC3 CC4 CC5 CC6 CC11 CC14 CC15 CC16 CC17 CC18 CC19
2-6	C-CHIP	CL21C103JBANNNC	5	CC7 CC8 CC9 CC10 CC13
2-7	C-CHIP	CL21C104JBANNNC	27	BC1 BC2 BC3 BC4 BC6 BC7 BC8 BC9 BC10 BC11 BC12 BC13 BC14 BC15 BC16 BC17 BC18 BC19 BC20 BC21 BC22 BC23 BC24 BC25 BC26 BC27 BC28
2-8	C-CHIP	CL21C105JBANNNC	10	C8 C9 C10 C11 C12 C13 C14 C17 C19 C20
2-9	CONN-HIF	HIF3FB-10PA-2.54DSA	1	ISPCN1
2-10	CONN-HIF	HIF3H-8DA-2.54DSA	1	DEBUG1
2-11	CONN-HIF	HIF3H-8PB-2.54DS	1	DEBUG2
2-12	CONN-HIF	HIF3H-26PB-2.54DS	1	TDD1
2-13	CONN-USB	04B-VTD	1	USBCN1
2-14	CONN-WR	5267-07A	1	COMM1
2-15	CONN-WR	5267-14A	1	LEDCN1
2-16	CONN-WR	A2-8PA-2.54DSA	2	SPI1 SPI2
2-17	CONN-WR	SMW250-04	1	PWR1
2-18	CONN-WR	SMW250-08	1	PSU1
2-19	CONN-WR	SMAW250-02	1	SYNC1
2-20	CONN-WR	SMAW250-11	1	LPA1
2-21	CONN-WR	YDAW200-22	1	RFCN1
2-22	C-TANTAL	TMCMA1D475MTRF	6	MC1 MC2 MC3 MC4 C5 C22
2-23	C-TANTAL	TMCMA1C106MTRF	1	C3
2-24	C-TANTAL	TMCMB1C226MTRF	1	C4
2-25	C-TANTAL	TMCME1V226MTRF	1	C1
2-26	C-TANTAL	TMCME1C107MTRF	1	C2
2-27	D-SW	KDS4148U	6	D1 D2 D3 D4 D6 D7
2-28	D-ZN	KDZ5.6V	16	ZD4 ZD5 ZD6 ZD7 ZD8 ZD10 ZD11 ZD12 ZD13 ZD14 ZD15 ZD16 ZD17 ZD18 ZD20 ZD21

2-29	D-ZN	Z02W4.7V	1	D5
2-30	IC-COMM	MAX232ESE	1	MAX1
2-31	IC-CPLD	LC4064V-75TN100I	1	PLD1
2-32	IC-CPLD	LC4256V-75TN100I	1	PLD2
2-33	IC-CPU	ATmega128-16AU	1	CPU1
2-34	IC-REG	MIC29150-5.0WU	1	REG1
2-35	IC-REG	NCV1117ST-3.3	1	REG2
2-36	IC-RESET	DS1232L	1	RST1
2-37	IC-SRAM	K6X4008C1F-GF70	1	U3
2-38	IC-TEMP	TMP36GT9Z	1	TMP1
2-39	IC-TTL	SN74HC244DW 74HC244D	1	BUF2
2-40	IC-TTL	SN74HC245DW 74HC245D	1	U4
2-41	IC-TTL	SN74HC573DW 74HC573D	1	U2
2-42	IC-TTL	SN74LVC244ADW 74LVC244D	1	BUF1
2-43	IC-USB	CP2101	1	U1
2-44	LED	G 3PIE	1	LED1
2-45	OSC	OS-16MHz-SCO105	1	OSC1
2-46	R-ARRAY	RP 164P J 102 CS	3	RP15 RP16 RP17
2-47	R-ARRAY	RP 164P J 472CS	16	RP5 RP6 RP7 RP8 RP9 RP10 RP11 RP12 RP13 RP14 RP18 RP19 RP20 RP21 RP22 RP27
2-48	R-ARRAY	RP 164P J 103 CS	4	RP23 RP24 RP25 RP26
2-49	R-ARRAY	RP 164P J 104 CS	1	RP28
2-50	R-ARRAY	RP 164P J 474 CS	2	RP1 RP2
2-51	R-CHIP	RC2012J000CS	1	R78
2-52	R-CHIP	RC2012F220CS	2	R60 R62
2-53	R-CHIP	RC2012F101CS	43	R2 R4 R5 R7 R8 R9 R10 R11 R12 R13 R14 R15 R17 R19 R21 R23 R24 R25 R26 R27 R28 R29 R30 R31 R33 R34 R36 R39 R43 R45 R46 R47 R48 R49 R50 R51 R52 R53 R57 R58 R63 R64 R65
2-54	R-CHIP	RC2012F102CS	1	R56

2-55	R-CHIP	RC2012F472CS	6	R59 R67 R68 R73 R74 R79
2-56	R-CHIP	RC2012F103CS	4	R76 R77 R80 R82
2-57	R-CHIP	RC2012F473CS	1	R75
2-58	S/W-DIP	BSD-104P	1	SW1
2-59	S/W-RESET	STP-1230	1	RESET1

2	PCB	A080416001A(HUEX1102-1)	1	
2-1	BATTERY	CR1220-T23	1	BT1
2-2	BEAD-CHIP	HB-1S2012-8R0JT	4	L2 FB2 L3 L4
2-3	BEAD-CHIP	MLB-201209-0300P-N2	1	L1
2-4	C-CHIP	CL21C100JBANNNC	4	C25 C26 C27 C28
2-5	C-CHIP	CL21C150JBANNNC	3	CC1 C4 C5
2-6	C-CHIP	CL21C180JBANNNC	2	C6 C7
2-7	C-CHIP	CL21C330JBANNNC	0	
2-8	C-CHIP	CL21C102JBANNNC	2	CC3 C24
2-9	C-CHIP	CL21C103JBANNNC	6	C1 CC2 C2 C3 C13 C23
2-10	C-CHIP	CL21C104JBANNNC	70	BC1 BC2 BC3 BC4 BC5 BC7 C8 BC8 C9 BC9 C10 BC10 BC11 BC12 BC13 BC14 BC15 BC16 C17 BC17 BC18 BC19 C20 BC20 BC21 C22 BC22 BC23 BC24 BC25 BC26 BC27 BC28 BC29 BC30 BC31 BC32 BC33 BC34 BC35 BC36 BC37 BC38 BC39 BC40 BC41 BC42 BC43 BC44 BC45 BC46 BC47 BC48 BC49 BC50 BC51 BC52 BC53 BC54 BC55 BC56 BC57 BC58 BC59 BC60 BC61 BC62 BC63 BC64 BC65
2-11	C-ELEC	33uF 35V-MVK	1	TC4
2-12	CONN	AXK5F00545J	1	CDMA1
2-13	CONN-WR	5267-03A	1	DBUG1
2-14	CONN-WR	5267-05A	1	USBCN1
2-15	CONN-WR	5267-07A	1	DM1
2-16	CONN-WR	SMAW250-07	1	COMM1
2-17	CONN-WR	SMAW250-14	1	LEDCN1
2-18	C-TANTAL	TMCP1C105MTRF	2	C12 C15
2-19	C-TANTAL	TMCMA1D475MTRF	3	C11 C14 C16
2-20	C-TANTAL	TMCMA1C106MTRF	8	EC1 EC2 EC3 EC4 EC5 C18 C19 C21
2-21	C-TANTAL	TMCMB1C226MTRF	1	TC5
2-22	C-TANTAL	TMCME1C107MTRF	3	TC1 TC2 TC3
2-23	D-SK	KDR368-RTK/P	1	D1
2-24	IC-ARM	AT91SAM9260-CJ	1	ARM1
2-25	IC-COMM	MAX3232IDR	1	MAX1

2-26	IC-COMM	W5100	1	ETH1
2-27	IC-FLASH	K9F2G08U0A-PIB0	1	MN6B1
2-28	IC-FRAM	FM31256-G	1	FRAM1
2-29	IC-REG	MIC29152WU	1	REG3
2-30	IC-REG	MIC39100-1.8WS	1	REG2
2-31	IC-REG	MIC39100-3.3WS	1	REG1
2-32	IC-RESET	DS1832S	1	RST1
2-33	IC-SDRAM	K4S561632H-UI75 MT48LC16M16A2TG-75IT	2	SDRAM1 SDRAM2
2-34	IC-TRANSCIVER	DM9161AE	1	MN1
2-35	IC-TTL	74LVC32D SN74LVC32D	1	OR1
2-36	IC-TTL	74LVC244D SN74LVC244DW	1	BUFF1
2-37	INDU-CHIP	FL-B2012-102KJT	2	FB1 FB3
2-38	INDU-CHIP	FL-B2012-472KJT	1	L5
2-39	LED	BL-BEG201	5	LED1 LED3 LED4 LED5 LED6
2-40	LED	BL-B2141G	1	LED8
2-41	LED HOLDER	LED HOLDER 9mm	5	LED1 LED3 LED4 LED5 LED6
2-42	LED HOLDER	LED HOLDER 10mm	1	LED8
2-43	LED-CHIP	SML-210MTT86	10	TX1 SPD1 RX1 LINK1 FDX1 COL1 LED2 LED9 LED10 LED11
2-44	M-JACK	LU1T516-43LF	2	RJ1 RJ2
2-45	OSC	OS-50MHz-SCO103	1	OSC1
2-46	R-ARRAY	RP 164P J 103 CS	8	RP1 RP2 RP3 RP4 RP5 RP6 RP7 RP8
2-47	R-CHIP	RC2012J000CS	30	R9 R43 R45 R46 R47 R48 R52 R53 R54 R55 R56 R58 R59 R60 R65 R66 R69 R72 R73 R81 R86 R93 R95 R98 R99 R101 R102 R103 R104 R106
2-48	R-CHIP	RC2012F100CS	9	R13 R14 R15 R16 R17 R18 R19 R74 R75
2-49	R-CHIP	RC2012F220CS	5	R87 R88 R89 R90 R91
2-50	R-CHIP	RC2012F330CS	2	R10 R11
2-51	R-CHIP	RC2012F49R9CS	8	R30 R31 R35 R36 R49 R50 R61 R62
2-52	R-CHIP	RC2012F101CS	1	R5
2-53	R-CHIP	RC2012F301CS	1	R29

2-54	R-CHIP	RC2012F331CS	6	R21 R27 R28 R70 R71 R111
2-55	R-CHIP	RC2012F471CS	6	R22 R24 R25 R26 R33 R34
2-56	R-CHIP	RC2012F681CS	1	R1
2-57	R-CHIP	RC2012F102CS	4	R77 R82 R92 R97
2-58	R-CHIP	RC2012F152CS	0	
2-59	R-CHIP	RC2012F472CS	4	R83 R84 R85 R100
2-60	R-CHIP	RC2012F682CS	1	R67
2-61	R-CHIP	RC2012F103CS	9	R4 R7 R42 R44 R57 R63 R64 R68 R107
2-62	R-CHIP	RC2012F123CS	1	R32
2-63	R-CHIP	RC2012F153CS	1	R8
2-64	R-CHIP	RC2012F223CS	1	R12
2-65	R-CHIP	RC2012F303CS	1	R3
2-66	R-CHIP	RC2012F683CS	1	R2
2-67	R-CHIP	RC2012F104CS	2	R94 R105
2-68	R-CHIP	RC2012F474CS	3	R76 R78 R79
2-69	R-CHIP	RC2012J105CS	1	R23
2-70	S/W-RESET	FP1F-2M-Z	1	SW2
2-71	S/W-RESET	KPT-1105L	1	SW1
2-72	S/W-RESET	STP-1230	1	RESET1
2-73	X-TAL	XT-18.432MHz-SX1	1	Y2
2-74	X-TAL	XT-25MHz-SX1	1	Y1
2-75	X-TAL	XT-32.768KHz-CH308	2	XTAL1 Y3

LNA

NO	Part	Spec	Ref. No	Q'ty	Type	Maker	비고
1	PCB	RF PCB		1	테프론/0.8T	영일산업	
2		Control PCB		1	FR-4/0.8T	영일산업	
3	Ceramic Chip Capacitor	100 pF	C21,C22,C23,C24	4	SMD(2012)	SAMSUNG	
4							
5		100 nF	C11,C12,C13,C16	4			
6							
7		47 pF	C25,C30,C31,C32,C33	5			
8		10 pF	C1,C2,C6,C7,C9,C10,C26, C27,C28,C37,C38,C39	12			
9		22 pF	C43	1			
10	Tantal Capacitor	10 uF/16V	C3,C4,C5,C14,C15,C17, C18,C19,C20	9	B type	Murata	
11		10 uF/35V	C8	1			
12	High Q Capacitor	22pF	C29,C34,C35,C36,C40,C41, C42,	8	SMD (2012)	Johanson	
13	Coil Inductor	22 nH	L1,L2,L3,L4,L5,L6,L7	7			
14	Chip Resister	0 Ω	R7,R6	2	SMD (2012)		
15		1 kΩ	R1,R2,R3,R4,R5,R8,R9,R19, R20,R21,R22,R23,R24, R25,R26,R27,R28,R29,R30	19			
16							
17		3 kΩ	R10	1			
18		56 Ω	R15,R16,R17,R18	4	SMD (6432)	Delta	
19		33 Ω	R11,R12,R13,R14	4			
20	N.C.	N.C.	R31,R32	2			
21	Pin Diode	M5X5130	D1,D2,D3,D4,D5,D6,D7,D8 ,D9,D10,D11,D12,D13, D14,D15,D16	16	SMD (2012)	Metelics	
22							
23	PNP TR	MMBT2907	Q1,Q2,Q7,Q8,Q9,Q10	6	SOT23	Motorora	
33	NPN TR	2N2222	Q3,Q4,Q5,Q6	4			
24	Not Gate	NC7S04	U3,U4	2	5-lead SOT23	Fair child	

25	LNA IC	LCL2702	U7,U8	2			
26	Switch	HMC349LP4C	U6	1			
27	Switch	MAX4660	U2,U5	2	8L uMax		
28	Regulator	KIA78D05	U1	2	D-PAK	KEC	
29	Connector	SMA 2hole		4		동진 TI	
30		EMI D-sub 9pin		1		Expan tech.	
31		Molex 5267 2pin		1		Molex	
32	Feed Thru	FC4-251F101-A		8		Expan tech.	
33	Screw	M2.3*5 (둥근 머리)		50		평화	
34		M2.6*5 (접시 머리)		50	SUS		
35		M2.3*5 스프링		10	SUS		
36	Housing	Body		1	황색 크로메이트	EMP	
37		Top Cover		1			
38		Bottom Cover		1			

SDM

No	Part Class	Description	Q'ty	Reference	Supplier
1	CAP;CERAMIC	4.7pF,50V	2	C14 C15	ANY VENDOR
2	CAP;CERAMIC	100pF,50V	1	C339	ANY VENDOR
3	CAP;CERAMIC	1nF,50V	2	C11 C338	ANY VENDOR
4	CAP;CERAMIC	2.2nF,50V	1	C310	ANY VENDOR
5	CAP;CERAMIC	100nF,16V	3	C307 C308 C309	ANY VENDOR
6	CAP;CERAMIC	1uF,10V	1	C315	ANY VENDOR
7	CAP;CERAMIC	2.2uF,50V	6	C282 C283 C311 C312 C313 C314	ANY VENDOR
8	CAP;CERAMIC	22pF,50V	7	C330 C331 C332 C333 C334 C335 C337	ANY VENDOR
9	CAP;CERAMIC	100nF,50V	105	C3 C4 C10 C12 C13 C17 C18 C19 C20 C21 C22 C24 C25 C26 C27 C39 C40 C63 C200 C201 C202 C203 C204 C205 C206 C207 C208 C209 C210 C211 C212 C213 C214 C215 C216 C217 C218 C219 C220 C222 C223 C224 C225 C227 C228 C229 C230 C231 C232 C233 C234 C235 C236 C237 C239 C240 C241 C242 C243 C244 C245 C246 C247 C248 C249 C250 C251 C252 C253 C254 C255 C256 C257 C258 C259 C260 C261 C262 C263 C264 C265 C266 C267 C268 C269 C270 C271 C272 C273 C274 C275	ANY VENDOR

				C276 C277 C278 C279 C280 C285 C286 C296 C297 C299 C301 C327 C328 C329	
10	CAP;CERAMIC	10nF,50V	7	C320 C321 C322 C323 C324 C325 C326	ANY VENDOR
11	CAP;CERAMIC	1uF,6.3V	2	C305 C306	ANY VENDOR
12	CAP;CERAMIC	120pF,16V	1	C302	ANY VENDOR
13	CAP;TANTAL	100uF,16V	2	C317 C318	ANY VENDOR
14	CAP;TANTAL	10uF,16V	5	C5 C8 C238 C281 C284	ANY VENDOR
15	CAP;TANTAL	470uF,6.3V	1	C316	ANY VENDOR
16	CAP;TANTAL	10uF,6.3V	2	C303 C304	ANY VENDOR
17	CAP;TANTAL	22uF,20V	1	C319	ANY VENDOR
18	IND	LQM21NN2R2K10	9	BD3 BD4 L1 L2 L3 L200 L201 L202 L203	MURATA
19	IND	LQM18NN1R0K00	1	L211	MURATA
20	IND	0402CS-R10XJL	2	L206 L207	COILCRAFT
21	FLT;EMI/BEAD	BLM41PG600SN1	1	BD2	MURATA
22	FLT;EMI/BEAD	BLM18EG221SN1D	1	BD1	MURATA
23	FLT;EMI/BEAD	NFM18PC105R0J3D	3	L208 L209 L210	MURATA
24	FLT;RF/ANALOG	2500BL14M100	1	M6	JOHANSON
25	RES;THICK FILM CHIP	51,1%	2	R242 R243	ANY VENDOR
26	RES;THICK FILM CHIP	10,5%	1	R241	ANY VENDOR
27	RES;THICK FILM CHIP	22,5%	13	R10 R23 R49 R201 R206 R216 R227 R229 R254 R255 R256 R257 R258	ANY VENDOR
28	RES;THICK FILM	330,5%	5	R1 R17 R20 R25 R209	ANY VENDOR

		CHIP				
29	RES;THICK FILM CHIP	1K,5%	7	R13 R14 R29 R30 R244 R245 R246	ANY VENDOR
30	RES;THICK FILM CHIP	1.5K,5%	3	R238 R239 R253	ANY VENDOR
31	RES;THICK FILM CHIP	3.3K,5%	3	R36 R37 R252	ANY VENDOR
32	RES;THICK FILM CHIP	4.7K,5%	17	R11 R12 R21 R22 R208 R210 R211 R213 R214 R215 R220 R221 R224 R225 R228 R234 R237	ANY VENDOR
33	RES;THICK FILM CHIP	10K,5%	8	R26 R200 R202 R203 R204 R205 R207 R217	ANY VENDOR
34	RES;THICK FILM CHIP	0,5%	1	R41	ANY VENDOR
35	RES;THICK FILM CHIP	0,5%	5	R6 R219 R236 R247 R250	ANY VENDOR
36	RES;THICK FILM CHIP	1.69K,5%	1	R240	ANY VENDOR
37	OSC	SCO53-22.4MHz	1	Y1	SUNNY
38	TCXO	SRB3007A-40MHz	1	Y2	NDK
39	IC;LOGIC	SN74LVC00APWR	1	U6	TI
40	IC;LOGIC	SN74HC244APW	1	U8	TI
41	IC;PROCESSOR	S3C2410A20-YO8N	1	U5	SAMSUNG
42	IC;MAMORY	K4S281632I-UI75	1	U10	SAMSUNG
43	IC;MAMORY	K6R4016V1D-UI10	1	U202	SAMSUNG
44	IC;MEMORY	EPCS16SI16N	1	U201	Altera
45	IC;MEMORY	M29W320ET-70N6	1	U203	ST
46	IC;FPGA	EP2C35F484I8N	1	U3	Altera
47	IC;VOLTAGE REGULATOR	TK11230CMI	2	U205 U206	TOKO
48	IC;VOLTAGE REGULATOR	MIC37152WR	1	U208	MICREL
49	IC;VOLTAGE REGULATOR	MIC49150-1.2YMM	1	U209	MICREL

50	IC;A/D CONVERTER	AD9288BSTZ-40	1	U4	AD
51	IC;CLOCK	IDT2305-1DCGI8	1	U12	IDT
52	IC;TRANSMITTER	MAX2837ETM+T	1	U207	MAXIM
53	IC;SUPERVISORY	ASM811REUSF-T	1	U7	ALLIANCE
54	LED	LTST-C150GKT	2	LED1 LED2	LITEON
55	IC;REGULATOR	AP1509-ADJ	1	U204	ANACHIP
56	DIODE	B340	1	D1	ANY VENDOR
57	IND	47uH	1	L204	ANY VENDOR
58	BEAD	NFM41PC155B	1	L205	MURATA
59	Screw	2 x4 SUS 둥근머리	4	H1 H2 H3 H4	ANY VENDOR
60	CAN	42x31x5 (Screw Hall x 4, 2 x 4 mm	1		

RF module

No.	Part	Specification	Parts No.	필요 수량	Remark
1	PCB			1	
2	기구			1	
3	SMA Conn.	SMA 2H(F)5*3 RA (gold)	SAM1,SAM2,SMA3	3	
4	Conn.	HIF3FB-16PA-2.54DS			
5	SCREW	둥근 2.6*5-니켈		110	
6	SCREW	둥근 2.6*12-니켈		30	
74	SCREW	접시 2.6*5-sus		80	
8	Conn.	MOLEX5267-04		1	
		헤더핀,소켓		1	
		YDAW200-22		1	
9	Insulator		J1,J3,J4,J5,J6,J7,J8,J10,J16	9	
10	AMP	BT05CV	U19	1	
11	AMP	BG13D	U1	1	
12	AMP	BG14A	U18	1	
13	AMP	BG17A	U24,U33,U36	3	
14	AMP	HMC374	U2,U4,U8,U12,U15,U16,U17	7	
15	AMP	HMC284MS8G	U3,U20	2	
16	AMP	HMC580ST89	U9,U10,U11,U13	4	
17	DIVIDER	BD23B	U37,U27	2	
18	PLL	2394M	PLL1	1	
19	PLL	2792M	PLL2	1	
20	ATTEN	HMC542LP4	AT1,AT2,AT7	3	
21	BPF	2657M	BPF1,BPF3,BPF4,BPF5	4	
22	BPF	2535M	BPF2,BPF6,BPF7,BPF8	4	
23	BPF	SBP3R3 2394M	BPF9	1	
24	BPF	SBP3R3 2792M	BPF10	1	
25	CPL	RCP 265Q10	CP1	1	
26	DET	AD8362	U31	1	

27	LDO	MIC5219-5.0	U5,U7,U23	3	
28	LDO	MIC39102	U34,U21	2	
29	MIXER	HMC552LP4	M1,M2,M3,M4	4	
30	Regulator	78S05	U26,U29,U30	3	
31	OP-AMP	LMV321M5	U32	1	
32	VR	3224W-1-201E	VR1,VR2	2	
33	VR	3224W-1-103E	VR3	1	
34	THERMISTOR	ECTH 160808 470J3150HST	TH1,TH2,TH3,TH4,TH5,TH6,TH7,TH8	8	
35	TANTAL	10uF/16V/A	TC1,TC2,TC3,TC4,TC5,TC6,TC7,TC8,TC9,TC10,TC11, TC12,TC13,TC14,TC15,TC16,TC17,TC18,TC19,TC20, TC21,TC23	22	
36	TANTAL	10uF/16V	TC26,TC32,TC33	3	
37	TANTAL	47uF/16V/E	TC24,TC30	2	
38	TANTAL	220uF/16V	TC27,TC28,TC29	3	
39	CHIP CAPACITOR	1pF/1608	C261	1	
40	CHIP CAPACITOR	1.2pF/1608	C265	1	
41	CHIP CAPACITOR	15pF/1608	C40,C56,C113,C115,C145, C147,C161,C178	8	
42	CHIP CAPACITOR	10pF/1608	C1,C2,C3,C5,C6,C7,C12,C13,C14,C15,C16,C17,C18, C19,C20,C23,C25,C26,C27,C28,C29,C30,C31,C32,C33, C35,C36,C51,C55,C60,C62,C78,C82,C92,C99,C112, C116,C117,C118,C119,C120,C121,C131,C142,C14	102	

			9, C153,C155,C157,C158,C159,C160,C164,C165,C171, C175,C176,C179,C184,C186,C187,C188,C194,C195, C196,C200,C202,C203,C204,C205,C206,C208,C211, C212,C214,C215,C221,C222,C231,C233,C234,C236, C238,C239,C241,C242,C243,C245,C246,C248,C249, C251,C252,C253,C258,C264,C270,C272,C273,C276, C277,C278,C280		
43	CHIP CAPACITOR	27pF/1608	C46,C114,C146,C172	4	
44	CHIP CAPACITOR	47pF/1608	C271	1	
45	CHIP CAPACITOR	51pF/1608	C262,C263	2	
46	CHIP CAPACITOR	100pF/1608	C53,C54,C57,C103,C104,C105,C129,C134,C135,C139, C190,C197,C198	13	
47	CHIP CAPACITOR	330pF/1608	C42,C43,C44,C45,C47,C48,C49,C50,C216,C217,C218, C219	12	
48	CHIP CAPACITOR	470pF/1608	C232,C228	2	

49	CHIP CAPACITOR	1nF/1608	C39,C58,C65,C68,C72,C79, C80,C83,C85,C87,C88,C95, C110,C111,C126,C130,C140,C143,C144,C156,C180, C254,C255,C266	24	
50	CHIP CAPACITOR	10nF/1608	C223,C225,C256,C257	4	
51	CHIP CAPACITOR	100nF/1608	C4,C8,C9,C10,C11,C24,C34,C41,C52,C59,C63,C64,C66, C67,C77,C84,C90,C96,C97,C98,C101,C102,C106,C108, C128,C133,C138,C141,C148,150,C152,C154,C170,C173, C177,C185,C189,C191,C192,C193,C199,C224,C226, C227,C229,C230,C235,C237,C240,C244,C247,C250, C259,C260,C267,C268,C269,C274,C275	59	
52	CHIP CAPACITOR	1.1/1608	R2,R3,R5,R6,R26,R27,R30,R32,R35,R36,R40,R41,R42, R43,R44,R46,R50,R52,R60,R61,R63,R64,R67,R68,R74, R75,R80,R81,R82,R83,R84,R85,R109,R110,R133,R134,	38	

			R136,R138		
53	CHIP RESISTER	4.7/1608	R1,R4,R17,R18,R86,R104, R105,R118,R123,R124,R135, R137	12	
54	CHIP RESISTER	10/1608	R8,R9,R10,R12,R13,R14, R88,R89,R90,R94,R115, R116,R117,R119,R120,R121	16	
55	CHIP RESISTER	0/1608	R31,R55,R57,R72,R128	5	
56		18/1608	R21,R29,R47,R62,R87,R93, R142	7	
57	CHIP RESISTER	51/1608	R16,R22,R28,R39,R51,R70,R73,R99,R101,R112,R125	11	
58	CHIP RESISTER	100/1608	R114	1	
59	CHIP RESISTER	1K/1608	R11,R15,R91,R129,R130	5	
60	CHIP RESISTER	3.3K/1608	R108,R131	2	
61	CHIP RESISTER	120/1608	R111,R113,R122,R126	4	
62	CHIP RESISTER	300/1608	R7,R19,R20,R23,R24,R25, R37,R38,R49,R54,R69,R71, R78,R79,R92,R95,R96,R100,R102,R103,R139,R143	22	
63	CHIP RESISTER	180/1608	R45,R48,R65,R66	4	
64	CHIP RESISTER	470/1608	R98,R97	2	
65	CHIP	10K/1608	R132,R106	2	

	RESISTER				
66	CHIP RESISTER	2.2nH/1608	R127	1	
67	CHIP INDUCTOR	3.3nH/1608	R108,R131	2	
68	CHIP INDUCTOR	8.2nH/1609	L1,L2,L3,L11,L22,L30,L31,L33,L36,L37,L39,L43,L44	13	
69	CHIP INDUCTOR	39nH/1608	L7,L19,L26,L35	4	
70	CHIP INDUCTOR	47nH/1608	L5,L6,L20,L21,L28,L29,L32,L34	8	
71	CHIP INDUCTOR	100nH/1608	L42	1	
72	CHIP INDUCTOR	270nH/1608	L8,L12,L15,L16,L25,L27	6	
73	CHIP INDUCTOR	1uH/1608	L38,L40	2	
74	NC		L4,L9,L10,L13,L14,L17,L18,C21,C22,L23,L24,R33,R34,C37,C38,R53,R56,R58,R59,C61,C69,C70,C73,C75,R76,C76,R77,C86,C89,C91,C93,C94,R107,C107,C122,C123,C124,C125,C127,C132,C136,C137,R140,R141,C151,C162,C163,C166,C167,C168,C169,C174,C181,C182,C183,C201,C207,C209,C210,C213,C220,C279	62	

Component List

HPA

Name	RFP-2590-33-27	DOC. Name	Wimax_HPA Module			DOC. No				Item No.		
Drawn	Date	Chkd	Date	Appr.	Date					1.0		Issue
J.Y.Kwack	28-May-08	J.Y.Kwack	May 28, 2008	C.Y.Park	May 28, 2008							

No.	Design No.	Component Name	Qty	Unit	Description/Remark	Class	Maker	shop	Date	Item No.	Rep.	apply
1	C15,C19,C21,C23,C25,C26,C29, C30,C34,C35,C41,C43,C44,C48, C51,C52,C63,C71,C74,C78,C81, C86,C88,C89,C91	CHIP CAPACITOR	25	EA	0.1uF/1608		Murata					
2	C59,C78	CHIP CAPACITOR	2	EA	1nF/1608		Murata					
3	C16,C17,C18,C20,C28,C34, C37,C47,C55,C56,C75,C77, C79,C86,C92	CHIP CAPACITOR	15	EA	100pF/1608		Murata					
4	C40,C45,C64,C67,C68,C72, C83,C84	CHIP CAPACITOR	8	EA	51pF/1608		Murata					
5	C1,C2,C3,C4,C5,C7,C9,C11, C12,C24,C27,C38,C46,C50, C76,C87	CHIP CAPACITOR	14	EA	10pF/1608		Murata					
6	C33,C59	CHIP CAPACITOR	2	EA	2pF/1608		Murata					
7	C13,C14	CHIP CAPACITOR	2	EA	1.5pF/1608		Murata					
8	C6	CHIP CAPACITOR	1	EA	1pF/1608		Murata					
9	C2,C32	CHIP CAPACITOR	2	EA	0.5pF/1608		Murata					
10	C53,C54,C60,C61	CHIP CAPACITOR	4	EA	1uF_50V/2012		Murata					
11	C49	CHIP CAPACITOR	1	EA	GRM319R71E334KA01D/3216		Murata					
12	HQ10,HQ11	CHIP CAPACITOR	2	EA	201CHA101UV/ H.Q		TIMEX					
13	HQ1	CHIP CAPACITOR	1	EA	201CHA100UV/ H.Q		TIMEX					
14	HQ3,HQ4,HQ12,HQ13	CHIP CAPACITOR	4	EA	201CHA4R3UV/ H.Q		TIMEX					
15	HQ2,HQ5,HQ8,HQ9	CHIP CAPACITOR	4	EA	201CHA1R0UV/ H.Q		TIMEX					
16	TC1,TC2,TC3,TC4,TC5,TC6,TC7, TC8,TC9,TC10,TC13,TC14,TC17	TANTAL CAPACITOR	14	EA	TAJA47SM016R, 4.7uF/16V		AVX					
17	TC16,TC18,TC19,TC20	TANTAL CAPACITOR	5	EA	TAJB106M016R, 10uF/16V		AVX					
18	TC11,TC12,TC15	TANTAL CAPACITOR	4	EA	TAJB106M016R, 10uF/50V		AVX					
19	C58	EL CAPACITOR	1	EA	100uF/50V		RUBYCON					
20	C39	EL CAPACITOR	1	EA	330uF/16V		RUBYCON					
21	EMI1,EMI2,EMI3,EMI4	EMI CAPACITOR	4	EA	CTH20V102S10A		Maruwa					
22	EMI5,EMI6	EMI CAPACITOR	2	EA	CTH20V102S20A		Maruwa					
23	L2,L3,L4,L5,L6,L7,L11	CHIP INDUCTOR	7	EA	15nH/1608		태양유전					
24	L1,L8,L12	CHIP INDUCTOR	3	EA	1.8nH/1608		태양유전					
25	L9,L10	CHIP INDUCTOR	2	EA	SLF1257ST-470M2R7		TDK					
26	R50	CHIP RESISTOR	1	EA	47kΩ/1608		Rohm					
27	R11,R12,R13,R14,R18,R20, R21,R22,R24	CHIP RESISTOR	9	EA	12kΩ/1608		Rohm					
28	R35,R60	CHIP RESISTOR	2	EA	10kΩ/1608		Rohm					
29	R15,R23	CHIP RESISTOR	2	EA	8.2kΩ/1608		Rohm					
30	R43	CHIP RESISTOR	1	EA	3.3kΩ/1608		Rohm					
31	R33,R44	CHIP RESISTOR	2	EA	3kΩ/1608		Rohm					
32	R63	CHIP RESISTOR	1	EA	2.2kΩ/1608		Rohm					
33	R9	CHIP RESISTOR	1	EA	1.5kΩ/1608		Rohm					
34	R36,R39	CHIP RESISTOR	2	EA	1kΩ/1608		Rohm					

No.	Design No.	Component Name	Qty	Unit	Description/Remark	Class	Maker	shop	Item No.	Rep.	appply
95	R34	CHIP RESISTOR	1	EA	470Ω/1608		Rohm				
96	R27,R32	CHIP RESISTOR	2	EA	430Ω/1608		Rohm				
97	R41,R42	CHIP RESISTOR	2	EA	200Ω/1608		Rohm				
98	R1,R3,R48,R53	CHIP RESISTOR	4	EA	150Ω/1608		Rohm				
99	R47	CHIP RESISTOR	1	EA	100Ω/1608		Rohm				
40	R10,R49	CHIP RESISTOR	2	EA	51Ω/1608		Rohm				
41	R2,R43	CHIP RESISTOR	2	EA	43Ω/1608		Rohm				
42	R4	CHIP RESISTOR	1	EA	0Ω/1608		Rohm				
43	THER1	THERMISTOR	1	EA	100Ω/1608		Rohm				
44	THER2	THERMISTOR	1	EA	6N9		Expan				
45	VR2,VR3	POT_RESISTOR	2	EA	3224W201		Bourns				
46	VR1,VR4	POT_RESISTOR	2	EA	3224W502		Bourns				
47	TERM1	TERM	1	EA	ANC100-2002-50R0J		K D I				
48	TERM2	TERM	1	EA	ANC250-375.A2-50R0J		K D I				
49	CP1,CP2	COUPLER	2	EA	RCP2650S03		RN2				
50	Q1,Q2,Q5,Q8	AMP	4	EA	AP209/ SOT89		RFHIC				
51	AMP1	AMP	1	EA	RT230PD/ WP-22		RFHIC				
52	AMP2,AMP3	AMP	2	EA	MRF6S27050HR3		Motorola				
53	Q3,Q4	DIODE	2	EA	HSMP3814		Agilent				
54	Q6	DIODE	1	EA	B340C or SS34		Diodes				
55	Q10	DIODE	1	EA	85S.Q035		Diodes				
56	Q9	TR	1	EA	LM50		National Sem				
57	Q7	TEMP SENSER	1	EA	MMBT2222		Motorola				
58	U1	DDC	1	EA	LTC1261LCMS8-4.5		Linear				
59	U2,U3,U4,U8	OP AMP	4	EA	LM2904		National Sem				
60	U6,U7	DETECTOR	2	EA	AD8362		Analog Devic				
61	REG1(SPAK, 3A, SMD)	REGULATOR	1	EA	MIC4685		Micrel				
62	REG2(DPAK 5V, 1A, SMD)	REGULATOR	1	EA	LT1270		Linear				
63	REG3(DPAK 5V, 1A, SMD)	REGULATOR	1	EA	KIA7805AF		KEC				
64	REG4(DPAK 9V, 1A, SMD)	REGULATOR	1	EA	KIA7809AF		KEC				
65	Ringcoil	Coil	1	EA	TRO-21 (RING COIL)		삼영정보통신				
66	Barcoil	Coil	1	EA	5uH (BAR COIL)		삼영정보통신				
67	DC Control	DC Control	1	EA							
68		전해콘덴서	1	EA	1000uF/50V(YXA)12.7*25.8		RUBYCON				
69	ISO1	ISOLATOR	1	EA	ADI260CEA3		ADMOTEC				
70	RFP-2590-33-27_V30	PCB	1	EA	RFP-2590-33-27_V30		두리전자				
71	CONNECTOR	SMA(F)4H_5-2_BG_EPOXY	1	EA			엘림산업 연결산업				
72	CONNECTOR	SMA(F)4H_FL04T-STRIP-63mm	1	EA			엘림산업 연결산업				
73	CONNECTOR	EMI 15pin D-SUB (M)	1	EA	FDC0902-102		YIMTEX				
74	SCRW	2.6 × 6 (접시머리)	30	EA							
75	SCRW	2.3 × 6 (둥근머리 와샤)_SUS	40	EA							
76	STUD		2	EA			동협				
77	HOUSING	RFP-2590-33-27	1	EA	RFP-2590-33-27						