

문서 번호		H651 - E001		<div>PART LIST</div> <div>업체명 : 에어 포인트      작성일 : 2008년 10월 02일</div>			<div>작성</div> <div>검토</div> <div>승인</div>		
MODEL NAME		미국향 PSU							
MODEL NO.		MPS - H651							
ISSUE		0							
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NO	DRAW NO	품명	PARTS NAME	DESCRIPTION	VENDOR	Q'TY	REMARKS		
1	MPS-H651	PCB	MAIN PCB (REV-0)	FR4 양면 1.6t 2oz RoHS적용	하도전자	1EA	REV-0		
2	MPS-H651	PCB	SUB2 PCB (REV-0)	FR4 양면 1.6t 2oz RoHS적용	하도전자	2EA	REV-0		
3	MPS-H651	PCB	SUB3 PCB (REV-0)	FR4 양면 1.6t 2oz RoHS적용	하도전자	2EA	REV-0		
4	SW1	CIRCUIT BREAKER	DCP31PSH200AMS	AC 250V/20A (1POLE)	대륙	1EA	PCB INSERT		
5	SW2	CIRCUIT BREAKER	DCP31PSH300DMS	DC 65V/30A (1POLE)	대륙	1EA	PCB INSERT		
6	FU1	FUSE	SR5	250V / 3.15A	SAVE FUSE	1EA			
7	FU2	FUSE	SR5	250V / 5A	SAVE FUSE	1EA			
8	CN1	TERMINAL BLOCK	BR1100M - 03P	11mm PITCH	비룡	1EA	COVER 포함		
9	CN2	TERMINAL BLOCK	BR1100M - 02P	11mm PITCH	비룡	1EA	COVER 포함		
10	CN3	D-SUB CONNECTOR	3W3S	FEMALE	GOLD CON	1EA			
11	FOR CN3	PIN	40A	FEMALE	GOLD CON	2EA			
12	FOR CN3	SUPPORT	4 - 40용 NUT	Hook	GOLD CON	2EA			
13	FOR CN3	SUPPORT	4 - 40용	Inch Support	GOLD CON	2EA			
14	CN4	CONNECTOR	5566 - 12P	4.2 * 5.5 mm PITCH	MOLEX	1EA			
15	CN6_A	CONNECTOR	5267 - 04A - X	2.5 PITCH	MOLEX	1EA			
16	CN5_A,5_B	CONNECTOR	5267 - 03A - X	2.5 PITCH	MOLEX	2EA			
17	L1	INDUCTOR	H651 - D001	LC - 10	삼원 엔지니어링	1EA	REV-0		
18	L2,3	INDUCTOR	H651 - D002	LC - 15	삼원 엔지니어링	2EA	REV-0		
19	L4	INDUCTOR	H651 - D003	H106 - 157A	삼원 엔지니어링	1EA	REV-0		
20	L5	INDUCTOR	H651 - D004	H065 - 072A	삼원 엔지니어링	1EA	REV-0		
21	L6,7,8	INDUCTOR	H651 - D005	BAR(6X20)	삼원 엔지니어링	3EA	REV-0		
22	L9,10	INDUCTOR	H651 - D006	SN - 10 (IRON CORE)	삼원 엔지니어링	2EA	REV-0		
23	MODULE1	POWER MODULE	PF1000A - 360	PFC 1000W (360V)	LAMBDA	1EA			
24	MODULE2	POWER MODULE	PAF600F280 - 24/KTH	700W	LAMBDA	1EA			
25	RY1,2	RELAY	RY - 24W - K	2 Form C	TAKAMISAWA	2EA			

문서 번호		H651 - E002		<div>PART LIST</div> <div>업체명 : 에어 포인트      작성일 : 2008년 10월 02일</div>			<div>작 성    검 토    승 인</div>		
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26	HIC1	PWM CONTROLLER	MPC -494S	PWM CONTROLLOR	MYOUNG	1EA			
27	U1	SWITCHING REGULATOR	LM2596T - adj	150Khz / 3A (5 - lead TO - 220)	NATIONAL	1EA			
28	U3	REGULATOR I.C	KA 7815	15V / 1A (TO - 220)	FAIRCHILD	1EA			
29	PC1,2,3	PHOTO COUPLER	PC817 A or B	1-channel type	SHARP	3EA			
30	U2	SHUNT REGULATOR	KA431 AZ	TO-90 (PROGRAMMABLE SHUNT REGULATOR)	FAIRCHILD	1EA			
31	Q1	FET	FQPF50N06	N-chanel mos-fet (60V/31A , 22mΩ)	FAIRCHILD	1EA	TO - 220F		
32	Q3,4	FET	IRF4905	P-chanel mos-fet (-55V/-74A , 0.02Ω)	I.R	2EA			
33	Q5,6	TR	KN2222A	40V/600mA	KEC	2EA	TO - 92		
34	D4	DIODE	S20LC40U	Super Fast Recovery (400V/20A)	SINDENGEN	1EA	TO-3P		
35	D7	DIODE	S30SC4M	Schottky Barrier Diode (40V/30A)	SINDENGEN	1EA	MTO-3P		
36	D1	DIODE	SF20SC4	Schottky Rectifiers (SBD) 40V/20A	SHINDENGEN	1EA	FTO-220		
37	D2	DIODE	D10SC4M	Schottky Rectifiers (SBD) 40V/10A	SHINDENGEN	1EA	ITO-220		
38	D5,6	DIODE	HER103	High Efficiency Rectifier 200V/1A	RECTRON	2EA	DO-41		
39	D8	DIODE	D1NS4	Schottky Rectifiers (SBD) 40V/1A	SINDENGEN	1EA			
40	TVS1	TVS	1.5KE440A	602V / 2.5A	FAGOR	1EA			
41	ZD5	ZENER DIODE	1N4747A	1W (20V)	TECHUNG	1EA			
42	ZD2	ZENER DIODE	1N4746A	1W (18V)	TECHUNG	1EA			
43	ZD6,7,8	ZENER DIODE	1N4742A	1W (12V)	TECHUNG	3EA			
44	ZD4	ZENER DIODE	1N4739A	1W (9.1V)	TECHUNG	1EA			
45	ZD1	ZENER DIODE	1N4737A	1W (7.5V)	TECHUNG	1EA			
46	ZD3	ZENER DIODE	1N4732A	1W (4.7V)	TECHUNG	1EA			
47	B1	BEAD	AMB 03S - N	BEAD - CORE	AMOTECH	1EA			
48	C2,5,8	CAP-MKP	AC275V / 1μF	PCX2 337 (23mm) , (25*12*22)	PILKOR	3EA			
49	C1,9	CAP - MKP	AC305V / 470nF	PCX2 337 (23mm) (25*8*17)	PILKOR	2EA			
50	C53,54	CAP	630V / 1uF	630V / 105	승우전자	2EA			

문서 번호		H651 - E003		<div>PART LIST</div> <div>업체명 : 에어 포인트      작성일 : 2008년 10월 02일</div>			<div>작 성    검 토    승 인</div>		
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NO	DRAW NO	품 명	PARTS NAME	DESCRIPTION	VENDOR	Q'TY	REMARKS		
51	C37,46	CAP - MPF	63V / 1uF	FILM CAP (PCMT366 12 105)	PILKOR	2EA			
52	C44	CAP-MYLAR	TN100-104J (2A104)	FILM(100V / 0.1μF)	승우전자	1EA			
53	C45,51,52	CAP - MONO	SR 215 E 104 M	MONO104	AVX	3EA			
54	C3,4,12,13,14	CAP-CERAMIC	UL222 (Y1)	HC YE 2G 222 M ADT (Y1급)	NETRON TECH	5EA			
55	6,7	CAP-CERAMIC	UL102 (Y1)	HC YE 2G 102 M ADT (Y1급)	NETRON TECH	2EA			
56	C21,22,56,57,58,59,60,62,63,64,65	CAP-CERAMIC	1KV / 103	10mm (CK B 3A 103 KA)	삼원 파츠	11EA			
57	C29	CAP - CERAMIC	1KV / 102	5mm (CK B 3A 102 KA)	삼원 파츠	1EA			
58	C10,11,61	CAP - EL	TDA 2W VN 471 M	TDA 450V / 470uF	SAMYOUNG	3EA	(35φ X 50)		
59	C15,16,23	CAP - EL	KXL 1V VB 332 M	KXL 35V / 3300uF 105℃	SAMYOUNG	2EA	(18φ X 35.1)		
60	C20,38	CAP - EL	KXL 1V VB 102 M	KXL 35V / 1000uF 105℃	SAMYOUNG	2EA	(12.5φ X 25)		
61	C40,41	CAP - EL	KXL 1C VB 222 M	KXL 16V / 2200uF 105℃	SAMYOUNG	2EA	(12.5φ X 25)		
62	C43	CAP - EL	KXL 1C VB 102 M	KXL 16V / 1000uF 105℃	SAMYOUNG	1EA	(10φ X 20)		
63	C30,31,32	CAP - EL	KXL 1A VB 682 M	KXL 10V / 6800uF 105℃	SAMYOUNG	3EA	(16φ X 31.5)		
64	C36	CAP - EL	KXL 1A VB 332 M	KXL 10V / 3300uF	SAMYOUNG	1EA	(12.5φ X 25)		
65	C26,27	CAP - EL	KMG 1H VB 470 M	KMG 50V / 47uF 105℃	SAMYOUNG	2EA	(6.3φ X 11)		
66	C28,47,49,50	CAP - EL	KMG 1H VB 100 M	KMG 50V / 10uF 105℃	SAMYOUNG	4EA	(5φ X 11)		
67	SH1,2	RESISTOR	MPR - 5W 5mΩ	SHUNT RESISTOR	HMR	2EA			
68	TH1,2	NTC	NTC 20D - 22	THERMISTOR	SAMKYUNG	2EA			
69	AS1,4	TNR	INR 20D 471 K	SURGE ABSOBER (300 Vrms)	AMOTECH	1EA			
70	AS2,3	TNR	INR 20D 681 K	SURGE ABSOBER (420 Vrms)	AMOTECH	2EA			
71	AS5	TNR	INR 14D 820 K	SURGE ABSOBER (50 Vrms)	AMOTECH	2EA			
72	PS1	POLAY SWITCH	RXE300	60V / 40A	RACHAM	1EA			
73	R1	RESISTOR	MOR 1W 470kΩ J	Matal Oxide Film Resistor	ABCO	1EA			
74	R32,33	RESISTOR	MOR 1W 4.7kΩ J	Matal Oxide Film Resistor	ABCO	2EA			
75	R20	RESISTOR	PSFR25 1/4W 27kΩ J	Matal Film Resistor	PILKOR	1EA			

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MODEL NAME		미국향 PSU							
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NO	DRAW NO	품 명	PARTS NAME	DESCRIPTION	VENDOR	Q'TY	REMARKS		
76	R10	RESISTOR	PSFR25 1/4W 20kΩ J	Matal Film Resistor	PILKOR	1EA			
77	R22,24,27,31	RESISTOR	PSFR25 1/4W 10kΩ J	Matal Film Resistor	PILKOR	4EA			
78	R18	RESISTOR	PSFR25 1/4W 8.2kΩ J	Matal Film Resistor	PILKOR	1EA			
79	R8	RESISTOR	PSFR25 1/4W 6.8kΩ J	Matal Film Resistor	PILKOR	1EA			
80	R23,26,30	RESISTOR	PSFR25 1/4W 4.7kΩ J	Matal Film Resistor	PILKOR	3EA			
81	R16	RESISTOR	PSFR25 1/4W 3.9kΩ J	Matal Film Resistor	PILKOR	1EA			
82	R9,21	RESISTOR	PSFR25 1/4W 3kΩ J	Matal Film Resistor	PILKOR	2EA			
83	R2	RESISTOR	PSFR25 1/4W 2kΩ J	Matal Film Resistor	PILKOR	1EA			
84	R25	RESISTOR	PSFR25 1/4W 1kΩ J	Matal Film Resistor	PILKOR	1EA			
85	R34	RESISTOR	PSFR25 1/4W 680Ω J	Matal Film Resistor	PILKOR	1EA			
86	R17	RESISTOR	PSFR25 1/4W 620Ω J	Matal Film Resistor	PILKOR	1EA			
87	R28,29	RESISTOR	PSFR25 1/4W 470Ω J	Matal Film Resistor	PILKOR	2EA			
88	R19	RESISTOR	PSFR25 1/4W 270Ω J	Matal Film Resistor	PILKOR	1EA			
89	R13	RESISTOR	PSFR25 1/4W 100Ω J	Matal Film Resistor	PILKOR	1EA			
90	R14	RESISTOR	PSFR25 1/4W 51Ω J	Matal Film Resistor	PILKOR	1EA			
91	R12	RESISTOR	PSFR25 1/4W 4.7Ω J	Matal Film Resistor	PILKOR	1EA			
92	VR1	VOLUM RESISTOR	3296W - 1 - 503 LF	50kΩ	BOURNS	1EA			
93	VR2,3,5	VOLUM RESISTOR	GF063 P1 T2 B 102K	1kΩ	TOCOS	3EA			
94	VR4	VOLUM RESISTOR	GF063 P1 T2 B 101K	100Ω	TOCOS	1EA			
95		PAD 절연지	DR245P (TO - 220)	FOR U1,Q3,Q4	A - PAX	3EA			
96		TR BUSHING	3φ	FOR U1,Q3,Q4	A - PAX	3EA			



문서 번호		H651 - E006		<div>PART LIST</div> <div>업체명 : 에어 포인트      작성일 : 2008년 10월 02일</div>			<div>작 성</div> <div>검 토</div> <div>승 인</div>		
MODEL NAME		미국형 PSU							
MODEL NO.		MPS - H651							
ISSUE		0							
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NO	DRAW NO	품 명	PARTS NAME	DESCRIPTION	VENDOR	Q'TY	REMARKS		
103	기구물	ASS'Y	H651 - B001	도면 참조	성남기업	1EA	REV - 0		
104		COVER	H651 - B002	도면 참조	성남기업	1EA	REV - 0		
105		COVER SILK	H651 - B003	도면 참조	성남기업	1EA	REV - 0		
106		BASE	H651 - B004	도면 참조	성남기업	1EA	REV - 0		
107		HEAT SINK - 1	H651 - B005	도면 참조	성남기업	1EA	REV - 0		
108		HEAT SINK - 2	H651 - B006	도면 참조	성남기업	2EA	REV - 0		
109		S/W BRACKET - 1	H651 - B007	도면 참조	성남기업	1EA	REV - 0		
110		S/W BRACKET - 2	H651 - B008	도면 참조	성남기업	1EA	REV - 0		
111		SIDE - L,R BRACKET	H651 - B009	도면 참조	성남기업	1EA	REV - 0		
112		INSERT	H651 - B010	도면 참조	성남기업	1EA	REV - 0		
113		HANESS	H651 - H001	도면 참조	I.S TECH	1SET	REV - 0		
114		SCREW	SEMS 3 X 6 SUS	FOR MAIN PCB	태양공업	8EA			
115		SCREW	SEMS 3 X 6 SUS	FOR SUB_1 PCB ↔ COVER	태양공업	2EA			
116		SCREW	SEMS 3 X 6 SUS	FOR S/W ↔ S/W BRACET	태양공업	4EA			
117		SCREW	SEMS 3 X 8 SUS	FOR U1,D1,Q1,Q3,Q4	태양공업	5EA			
118		SCREW	SEMS 3 X 10 SUS	FOR D1	태양공업	1EA			
119		SCREW	SEMS 3 X 12 SUS	FOR D7	태양공업	1EA			
120		SCREW	BH 3 X 6 SUS	FOR HEATSINK	태양공업	6EA			
121		SCREW	FH 3 X 10 SUS	FOR BASE	태양공업	7EA			
122		SCREW	FH 3 X 6 SUS	FOR COVER	태양공업	4EA			
123		SCREW	FH 2.6 X 6 SUS	FOR COVER	태양공업	10EA			

AP2600H30F3 – RF Part BOM Rev1.0

No	Description	Part Number	Reference Number	Quantity	Manufacturer
1	Chip Capacitor (1608)	18pF	C1,C2,C3,C10,C11,C13,C15,C16,C18,C19,C23,C24,C27,C28,C31,C32,C33,C34,C44, C45,C46,C53,C59,C60,C61,C62,C63,C64,C65,C66,C69,C70,C72,C73,C77,C78,C80, C81,C82,C83,C84,C85,C86,C87,C88,C90,C92,C94,C95,C96,C102,C103,C104,C105,C106, C109,C110,C112,C116,C117,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128, C129,C130,C131,C132,C133,C134,C137,C140,C141,C142,C143,C144,C145,C146,C147, C148,C149,C150,C151,C156,C157,C158,C159,C161,C164,C165,C166,C167,C169,C172, C173,C174,C175,C176,C178,C179,C180,C182,C213,C214,C223,C224,C225,C230,C231, C232,C238,C239,C240,C244,C245,C248,C271,C272,C281,C282,C283,C289,C302,C303, C304,C310,C339,C340,C341,C345,C346,C347,C348,C357,C358,C359,C369,C379,C380, C397,C401,C402	148	Murata
2		100nF	C12,C17,C25,C29,C71,C79,C97,C111,C118,C138,C139,C162,C170,C177,C181,C193, C204,C211,C215,C216,C219,C246,C381	23	
3		10nF	C48,C210,C321,C324,C334,C378,C395	7	
4		1nF	C135,C160,C168	3	
5		22nF	C136,C163,C171	3	
6		220pF	C183,C190,C191,C192,C194,C195,C196,C197,C198,C201,C202,C203,C205,C206,C207, C208,C209	17	
7		2pF	C188,C189,C199,C200	4	
8		150nF	C212	1	
9		1uF	C326,C399	2	
10	Chip Capacitor (2012)	1uF	C331	1	
11	High-Q Capacitor (2012)	12pF	C8,C9,C14,C21,C35,C36,C37,C67,C68,C74,C75,C76,C93,C98,C99,C100,C101, C107,C108,C113,C114,C115,C152,C153,C220,C226,C228,C229,C237,C241,C249,C250, C251,C252,C259,C260,C261,C262,C263,C270,C273,C274,C275,C276,C277,C278,C279, C280,C284,C293,C294,C296,C297,C298,C299,C300,C301,C305,C314,C315,C318,C320, C329,C330,C335,C337,C342,C344,C349,C350,C351,C352,C353,C354,C355,C356,C360, C375,C376,C377,C383,C384,C385,C386,C388,C391,C392,C393,C404,C406,C408,C410	92	Johanson Tech.
12		0.7pF	C20,C221,C336	3	
13		2.2pF	C22	1	
14		1.5pF	C26	1	
15		12F	C91	1	
16		5.6pF	C184,C185,C186,C187	4	
17		18pF	C217,C218	2	
18		3.0pF	C222,C338	2	
19		1.3pF	C227,C233,C242,C286,C307,C362	6	
20		1.0pF	C235	1	
21		10pF	C236	1	
22		1.2pF	C343	1	
23		100pF	C411	1	
24	High-Q Capacitor (B-Case)	c10pF	C234,C243,C291,C312,C366	5	Temex
25	High-V Capacitor	220nF/250V	C40,C42,C253,C254,C255,C256,C264,C265,C266,C267,C285,C287,C288,C290,C306, C308,C309,C311,C361,C363,C364,C365,C372	23	Johanson Dielectrics.
26	Tantalum Capacitor	4.7uF/16V	C30	1	AVX
27		10uF/16V	C39,C47,C49,C50,C51,C52,C154,C155,C247,C257,C258,C268,C269,C292,C295,C313, C316,C325,C327,C328,C332,C333,C367,C368,C382,C387,C390,C394,C396,C398,C400, C405,C407,C409	34	
28		10uF/50V	C41,C403	2	
29	Electrolytic Capacitor	330uF/16V	C43,C322,C323,C373,C374	5	Daewoo
30		470uF/50V	C317,C319,C370,C371,C389	5	

31	Thermistor (1608)	40	RT1,RT2,RT3,RT4,RT5	5	Expan Tech.
32	Chip Resistor (1608)	18	R1	1	Walsin
33		300	R2,R3,R10,R11,R92,R93,R101,R102	8	
34		1k	R4,R5,R134,R143,R162,R176,R177,R179,R181,R183,R186,R188,R191,R209,R212,R216,R217	17	
35		33	R12,R41,R59,R91,R100,R133,R142,R161	8	
36		30	R17	1	
37		180	R18,R19	2	
38		2.2	R20,R205,R206	3	
39		100	R21,R137,R153,R154,R156,R157,R168,R170,R178,R182,R187,R192,R207,R213	14	
40		10k	R31,R32,R39,R166,R171,R174,R185,R190,R211	9	
41		11k	R33	1	
42		1.5k	R34	1	
43		2k	R36	1	
44		680	R44,R48,R88,R89,R167	5	
45		20k	R45,R90	2	
46		0	R46,R47,R126,R127,R158,R159,R163	7	
47		270	R49,R50,R51,R52	4	
48		12	R53,R56,R65,R94,R97,R103	6	
49		430	R54,R55,R57,R58,R60,R61,R95,R96,R98,R99	10	
50		15	R62,R63,R64	3	
51		51	R86,R87,R135,R136	4	
52		390	R129,R138	2	
53		56	R130,R131,R139,R140	4	
54		24	R132,R141,R160,R164,R165	5	
55		10	R208	1	
56		75	R152,R155	2	
57	Chip Resistor (2012)	75	R6,R7,R8,R9	4	Burns
58		220	R13,R14,R15,R16	4	
59		51	R24,R25,R79,R226	4	
60		5.1	R26,R76,R80,R83	4	
61		910	R27,R28,R77,R78,R81,R82,R84,R85	8	
62		300	R42,R43	2	
63		1.1k	R66,R71,R117	3	
64		20k	R68,R69,R72,R73,R74,R75,R111,R112,R118,R119,R120,R121,R123,R124,R146,R147,R150,R151,R214,R215	20	
65		180	R104,R106	2	
66		30	R105	1	
67		24	R107,R218,R219,R220,R221,R222,R223,R224,R225	9	
68		33	R108	1	
69		1k	R109,R203	2	
70		0	R110,R115,R122,R204,R227,R236	6	
71		2.4k	R113	1	
72		10k	R114,R169	2	
73		510	R145,R149,R198,R229,R233	5	
74		11k	R195	1	
75		1.5k	R196	1	
76		2k	R199,R200,R201,R202,R230,R231,R234,R235,R237,R238,R239,R240	12	
77	Chip Resistor (5025)	d0	R22,R23,R40,R128	4	Anaren
78	Variable Resistor	v5k	R35,R197,R228,R232	4	
79		v10k	R67,R70,R116,R125,R144,R148	6	
80		v1k	R175,R180,R184,R189,R210	5	Anaren
81	50Ohm Term.	RFP-100200A25Z50	R172,R173	2	
82		C100N50Z4	R193,R194	2	



83	Schottky Diode	SS24	D2,D11,D12	3	FairChild
84		1N5819	D3	1	
85		BAT54CLT1	D4	1	
86		SM5819	D10	1	
87	LED	1608 Blue	D9	1	Device Mart
88	Pin Diode	BAP64-02	D13,D14,D15,D16,D17,D18,D19,D20	8	Philips
89	Chip Inductor (2012)	5.6nH	L1,L6,L8,L10,L12,L13	6	Johanson Tech.
90		12nH	L2,L4,L7,L9,L11,L14	6	
91		6.8nH	L3	1	
92		22nH	L15,L16	2	
93		100nH	L17,L18,L20,L21	4	
94		220nH	L19,L22	2	
95	Power Inductor	SC5845D-22uH	L5	1	Kwangsung Electronics
96		SC5845D-47uH	L23,L24	2	
97	Toroidal Inductor	100uH/3A	L25,L26	2	
98	GaAs MESFET	MFA0920	Q1,Q2,Q11	3	Mitsubishi
99		MGFS45B2527B	Q12	1	
100	LD-MOSFET	MRF7S27130	Q3,Q4,Q8,Q10,Q14	5	FreeScale
101	PNP BJT	KTA1504S	Q5,Q6,Q7,Q9,Q13	5	KEC
102	MMIC Gain Block	BG14A	U3,U16,U26,U29	4	Berex
103		BT05CV	U4,U20,U32	3	
104		BG13D	U52,U57	2	
105	Directional Coupler	XC2500E-10S	U7,U24,U27	3	Anaren
106		CSDZ-5N-2.5G	U66,U69	2	Merrimac
107	Hybrid Coupler	XC2500A-03S	U67,U68	2	Anaren
108	Linear Regulator	MC7812	U10,U87	2	On-Semi
109		MC7805	U42,U72,U82,U88	4	
110		LP2992AIM5-5.0	U12	1	National S.C.
111		LP2985AIM5-4.0	U75,U83	2	
112	Switching Regulator	LT1936	U11	1	Linear Technology
113		LM2672-ADJ	U71	1	National S.C.
114		LM2596S-ADJ	U81	1	
115	Isolator	NI245CH	U79,U90	2	Nanowave
116		IL05AL2350AAE	U6,U65,U78,U89	4	Patron
117	LPF	LFCN-2750	U50	1	Mini-Circuits
118	RF SAW BPF	F2481	U51,U56	2	ITF
119	Gate	MC74HC1G08	U15,U38	2	On-Semi
120		MC74HC1G02	U55	1	
121	RF SPDT Switch	HMC349MS8GE	U5,U28	2	Hittite
122	Voltage Inverter	MAX871	U13,U73,U85	3	Maxim IC
123	Phase Shifter	GSV404P	U17,U18,U19,U30,U31,U33	6	Soshin
124	OP Amp	LM8262	U22,U36,U39,U47,U59,U74,U86	7	National S.C.
125	Log Amp	AD8362ARM	U35,U45,U46,U58	4	Analog Device
126	Analog Switch	NLAS4599	U37,U76,U84	3	On-Semi
127	DA Converter	DAC102S085	U40,U41	2	National S.C.
128	Mixer	ML402	U48	1	W & J
129	PLL Synthesizer	KSP-2350W	U49	1	Kwangsung Electronics
130	Digital Attenuator	MAADSS0008_V1	U53,U54	2	MA-Com
131	Temp. Sensor	LM50	U60	1	National S.C.
132	MCU	PIC16F886	U61	1	Microchips
133	X-tal Resonator	20MHz	U62	1	Device Mart
134	Tact Switch	ITS-1187	U63	1	

AP2600H30F3 – Control Part BOM Rev1.0

No	Description	Part Number	Reference Number	Quantity	Manufacturer
1	Chip Capacitor (1608)	10nF	C1,C6,C7,C8,C16	5	Murata
2		100nF	C2,C3,C15	3	
3		18pF	C4,C5	2	
4	High-Q Capacitor	H100pF	C9,C10	2	Johanson Tech.
5	High-V Capacitor	200V/220nF	C11	1	Johanson Dielectrics
6	Tantalum Capacitor	16V/4.7uF/SMA	C12,C13,C14	3	AVX
7	Shift Register	74HC595	Q1	1	On-Semi
8	MCU	PIC16F887	Q2	1	Microchips
9	LED	1608 BLUE LED	Q3,Q4	2	Device Mart
10	Schottky Diode	BAT54CLT1	Q5,Q7,Q11	3	Fairchild
11	DA Converter	DAC102S0851	Q6	1	National S.C.
12	Gate	MC74HC1G02	Q8,Q9	2	On-Semi
13		MC74HC1G08	Q10	1	
14	Regulator	LM7812	Q12	1	
15		LM7805	Q13	1	
16	Chip Resistor	1K	R1,R5,R9,R12	4	Walsin
17		2K	R2,R6,R10,R13	4	
18		470	R3,R4	2	
19		1	R7,R8	2	
21	Molex Connector	530150210	U1,U3,U6,U7,U10,U12	6	Molex
22		530150510	U2,U9,U11	3	
24		530150310	U5,U8	2	
23	X-tal Resonator	CRYSTAL/20MHz	U4	1	Device Mart

No.	Quantity	Description	Reference	Part Number	Vendor
1	5	CAP	C2,C5,C8,C13,C17	10 uF/10V/3528/Tantal	AVX
2	8	CAP	C3,C4,C6,C18,C21,C22,C23,C24	10 nF/X7R/1005	삼성전기
3	1	CAP	C9	470 pF/C0G/1005	삼성전기
4	14	CAP	C11,C15,C26,C35,C37,C40,C43,C48,C49,C56,C59,C72,C73,C81	1 nF/X7R/1005	삼성전기
5	1	CAP	C12	68 pF/C0G/1005	삼성전기
6	17	CAP	C16,C27,C33,C36,C38,C41,C47,C52,C55,C58,C70,C74,C80,C84,C87,C94,C95	100 nF/X7R/1005	삼성전기
7	2	CAP	C20,C19	22 nF/X7R/1005	삼성전기
8	2	CAP	C88,C96	100 pF/C0G/1005	삼성전기
9	2	CAP	C77,C97	8.2 pF/C0G/1005	삼성전기
10	23	CAP	C28,C29,C31,C32,C42,C45,C46,C50,C51,C61,C63,C64,C65,C66,C68,C69,C71,C75,C78,C79,C85,C93,C99	18 pF/C0G/1005	삼성전기
11	2	CAP	C54,C44	36 pF/C0G/1005	삼성전기
12	1	CAP	C60	0.3 pF/C0G/1005	삼성전기
13	1	CAP	C62,L1	0.5 pF/C0G/1005	삼성전기
14	1	CAP	C30	0.75 pF/C0G/1005	삼성전기
15	1	CAP	C67	2 pF/C0G/1005	삼성전기
16	3	CAP	C39,R91,R95	3 pF/C0G/1005	삼성전기
17	1	CAP	C10	5.6 pF/C0G/1005	삼성전기
18	4	CAP	C57,C86,C90,C98	47 nF/X7R/1005	삼성전기
19	16	CAP.EMI	C1,C7,C14,C25,C34,C82,C83,C105,C109,C110,C111,C112,C113,C114,C115,C118	NFM21PC474	Murata
20	2	Bead	L2,L3	CIM21J121NE	삼성전기
21	2	Inductor	L4,L22	CDRH2D14-4R7	삼성전기
22	1	Inductor	L18	1 nH/1005	삼성전기
23	1	Inductor	L5	1.8 nH/1005	삼성전기
24	1	Inductor	L8	3.9 nH/1005	삼성전기
25	1	Inductor	L13	4.7 nH/1005	삼성전기
26	1	Inductor	L17	10 nH/1005	삼성전기
27	6	Resistor	R1,R2,R6,R8,R34,R97	1k/5%/1005	삼성전기
28	2	Resistor	R51,R55	0/5%/1005	삼성전기
29	1	Resistor	R10	30k/5%/1005	삼성전기
30	1	Resistor	R11	200k/5%/1005	삼성전기
31	1	Resistor	R12	33k/5%/1005	삼성전기
32	1	Resistor	R13	91/5%/1005	삼성전기
33	2	Resistor	R14,R15	390/5%/1005	삼성전기
34	1	Resistor	R16	200/5%/1005	삼성전기
35	8	Resistor	R17,R20,R27,R30,R32,R50,R60,R61	4.7/5%/1005	삼성전기
36	10	Resistor	R18,R23,R26,R28,R36,R39,R44,R54,R56,R66	33/5%/1005	삼성전기
37	6	Resistor	R19,R33,R40,R42,R48,R52	51/5%/1005	삼성전기
38	2	Resistor	R22,R45	15/5%/1005	삼성전기
39	4	Resistor	R24,R25,R43,R47	330/5%/1005	삼성전기
40	12	Resistor	R29,R35,R37,R38,R41,R63,R70,R71,R72,R92,R93,R96	10k/5%/1005	삼성전기
41	4	Resistor	R31,R64,R87,R90	2k/5%/1005	삼성전기
42	2	Resistor	R94,R98	8.2k/5%/1005	삼성전기
43	3	Res.Var.	VAR1,VAR2	44WR10KT7	BI Tech.

44	18	NC	L1,L6,L7,L9,L10,L11, L14,L16,R3,R4,R5,R7,R49, R53,R57,R58,C76,C53	NC	NC
45	2	Atten.	A1,A4	D10AA30Z4	Anaren
46	3	Atten.	A2,A3,A5	PAT1220C10DB	SUSUMU
47	3	Diode	D1,D2,D3	SP0503BAHT	Littelfuse
48	1	Connector	U1	HEADER10	Molex
49	1	LDO	U2	MIC5209-5.0BM	Micrel
50	1	LDO	U3	MIC5219-3.3BM5	Micrel
51	1	EEPROM	U4	EPM3064AT144-10	ALTERA
52	1	Connector	U5	90130-3214	Molex
53	9	EMI Filter	U6,U9,U10,U11,U12,U29, U36,U37,U38	EMIL21C270SAAE	Murata
54	1	DC/DC	U7	LM3224MM-ADJ	National Semi.
55	1	Diode	U8	BAT54C	FAIRCHILD
56	1	Circulator	U23	ADC250CE	ADMOTECH
57	1	Circulator	U13	ADC250ACE	ADMOTECH
58	6	Switch	U14,U17,U18,U22,U24,U32	HMC349LP4C	Hittite
59	2	Switch	U15,U26	HMC484MS8G	Hittite
60	2	ADC Driver	U16,U28	AD8139ARD	Analog Devices
61	2	Switch	U19,U21	ADG859YRYZ	Analog Devices
62	1	LNA	U20	CL2702	RFHIC
63	1	LNA	U25	LCL2712	RFHIC
64	2	Detector	U39,U40	AD8319	Analog Devices
65	1	Comparator	U30	TLV3502AID	TI

APOLLEX-2B\_WiMAX\_RFB(Lower)

Item	Quantity	품목	Reference	Part Number	Vendor
1	4	CAP	C1,C70,C82,C95	22 pF/X7R/1608	삼성전기
2	6	CAP	C3,C11,C36,C46,C74,C84	68 pF/X7R/1608	삼성전기
3	9	T.CAP	C4,C18,C19,C30,C51,C54,C80,C86,C89	10 uF/10V/3528/Tantal	AVX
4	21	CAP	C5,C10,C13,C14,C16,C22,C25,C27,C32,C33,C35,C49,C50,C52,C64,C65,C68,C79,C83,C85,C87	1 uF/X5R/1608	삼성전기
5	3	CAP	C7,C34,C71	1.2nF/X5R/1608	삼성전기
6	12	CAP	C8,C17,C23,C26,C37,C44,C48,C58,C59,C62,C73,C78	1 nF/X5R/1608	삼성전기
7	2	CAP	C9,C29	4.7 uF/10V/3528/Tantal	AVX
8	3	CAP	C12,C31,C55	470 pF/X7R/1608	삼성전기
9	3	CAP	C20,C21,C63	10 nF/X5R/1608	삼성전기
10	1	CAP	C24	56nF/X5R/1608	삼성전기
13	1	CAP	C116	1uF/X5R/1608	삼성전기
14	1	CAP	C117	33nF/X5R/1608	삼성전기
15	1	CAP	C39	1.2 pF/X7R/1608	삼성전기
16	6	CAP	C40,C42,C43,C75,C92,C582	18 pF/X7R/1608	삼성전기
17	6	CAP	C41,C57,C81,C90,C91,C122	100 pF/X7R/1608	삼성전기
18	2	CAP	C56,C61	4.7 nF/X5R/1608	삼성전기
19	1	CAP	C60	2.7 pF/X7R/1608	삼성전기
20	1	CAP	C93	1uF/X5R/1608	삼성전기
21	1	CAP	C94	10 uF/16V/X5R/2012	삼성전기
22	4	CAP	C125,C128,C129,C132	0.1 uF/X5R/1608	삼성전기
23	4	CAP	C126,C127,C130,C131	10 pF/X7R/1608	삼성전기
25	3	Inductor	L1,L6,L9	47 nH/1608	삼성전기
26	4	BEED	L2,L5,L8,L10	CIM21J121NE	삼성전기
27	2	Inductor	L3,L4	2.2 nH/1608	삼성전기
28	1	Inductor	L7	3.9 nH/1608	삼성전기
11	1	Resistor	R57	56/5%/1608	삼성전기
12	1	Resistor	R58	110/5%/1608	삼성전기
29	1	Resistor	R1	3/5%/1608	삼성전기
30	4	Resistor	R2,R3,R26,R500	0/5%/1608	삼성전기
31		Resistor	R16	82/5%/1608	삼성전기
32	7	Resistor	R4,R5,R6,R7,R17,R21,R33	100/5%/1608	삼성전기
33	3	Resistor	R8,R27,R35	51/5%/1608	삼성전기
34	3	Resistor	R9,R10,R11	24.9/5%/1608	삼성전기
35	2	Resistor	R30,R12	10k/5%/1608	삼성전기
36	1	Resistor	R15	10/5%/1608	삼성전기


37	2	Resistor	R19,R18	430/5%/1608	삼성전기
38	1	Resistor	R20	30k/5%/1608	삼성전기
39	2	Resistor	R25,R22	4.99k/5%/1608	삼성전기
40	2	Resistor	R24,R23	200/5%/1608	삼성전기
41	3	Resistor	R34,R65,R67	10/5%/1608	삼성전기
42	3	Resistor	R62,R63,R64	330/5%/1608	삼성전기
43	1	Resistor	R66	10k/5%/1608	삼성전기
44	15		C2,C15,R28,R29, C38,C45,R46,R47,C47, C72,C76,C77,C581,R502,R503	NC	
45	2	Resistor	R13,R14	91/5%/1608	삼성전기
24	4	CAP.EMI	C6,C28,C53,C88	NFM21PC474	Murata
46	2	Diode	D2,D1	KDS120_USM	KEC
47	2	LDO	U19,U2	MIC5209-5.0YM	Micrel
48	1	DAC	U3	LTC2624IGN#PBF	Linear Tech.
49	4	EMI Filter	U4,U11,U12,U13	NFA31GD1011014D	Murata
50	4	Socket	U5,U10,U21,U28	HS083020	Human 전자
51	2	Splitter	U8,U42	SCN2-27+	MiniCircuits
52	1	BPF	U9	F4C2395-33	CIJ
53	1	LDO	U14	MIC5209-3.3YM	Micrel
54	2	Digital Atten	U31,U15	HMC271LP4E	Hittite
55	1	LNA	U16	CL2702	RFHIC
56	3	TR	U17,U34,U43	ADL5541	Analog Devices
57	2	BPF	U35,U18	F4D2535-66	CIJ
58	2	LPF	U25,U20	LFCN800+	MiniCircuits
59	1	Mixer	U22	LT5527EUF#PBF	Linear Tech.
60	1	VGA	U23	AD8370AREZ	Analog Devices
61	1	Transformer	U24	TC2-1T+	MiniCircuits
62	4	LPF	U26,U27,U29,U30	LFCN400+	MiniCircuits
63	1	Coupler	U33	1P610S	Anaren
64	1	LDO	U36	MIC39101-5.0YM	Micrel
65	1	Modulator	U37	ADL5373	Analog Devices
66	1	PLL	U39	ADF4154BCPZ	Analog Devices
67	1	VCO	U40	FTHV4-3(80MHz)	Fine Tech.
68	1	Transformer	U41	TC1-1T+	MiniCircuits
69	1	VCO	U41	CVCO55BE-2300-2450	Crystek
70	1	OR Gate	U137	SN74LVC2G32	TI










MODEL. NAME		SNMP		DOC.NAME		Part list				SHEET	1
										DATE	2008.10.09
NUM	품명	규격	단위	원단위수	제조사	REF NUM				CHANGED	
1	CAPACITOR	CL10B104KBNC	0.1uF	27	SAMSUNG	C4 C9 C51 C55 C59 C79 C86	C5 C16 C52 C56 C60 C80 C92	C7 C32 C53 C57 C75 C83 C94	C8 C34 C54 C58 C77 C84		
2	CAPACITOR	CL10C101JBNC	100pF	4	SAMSUNG	C112	C113	C114	C115		
3	CAPACITOR	CL10B103KBNC	10nF	1	SAMSUNG	C18					
4	CAPACITOR	CL10C120JBNC	12pF	2	SAMSUNG	C24	C27				
5	CAPACITOR	CL10B105KANN	1uF	3	SAMSUNG	C1	C17	C36			
6	CAPACITOR	CL10C200JBNC	20pF	2	SAMSUNG	C25	C26				
7	CAPACITOR	CL10C221JBNC	220pF	3	SAMSUNG	C112	C13	C14			
8	CAPACITOR	CL10B104KBNC	0.1uF	104	SAMSUNG	DC1 DC5 DC9 DC13 DC17 DC21 DC25 DC29 DC33 DC37 DC41 DC45 DC49 DC53 DC57 DC61 DC65 DC69 DC73 DC77	DC2 DC6 DC10 DC14 DC18 DC22 DC26 DC30 DC34 DC38 DC42 DC46 DC50 DC54 DC58 DC62 DC66 DC70 DC74 DC78	DC3 DC7 DC11 DC15 DC19 DC23 DC27 DC31 DC35 DC39 DC43 DC47 DC51 DC55 DC59 DC63 DC67 DC71 DC75 DC79	DC4 DC8 DC12 DC16 DC20 DC24 DC28 DC32 DC36 DC40 DC44 DC48 DC52 DC56 DC60 DC64 DC68 DC72 DC76 DC80		
											

MODEL. NAME		SNMP		DOC.NAME		Part list				SHEET	2
										DATE	2008.10.09
NUM	품명	규격	단위	원단위수	제조사	REF NUM				CHANGED	
						DC81 DC85 DC89 DC93 DC97 DC101	DC82 DC86 DC90 DC94 DC98 DC102	DC83 DC87 DC91 DC95 DC99 DC103	DC84 DC88 DC92 DC96 DC100 DC104		
9	CAPACITOR	CL21A106KPFNNNE	10uF	4	SAMSUNG	C12	C35	C43	C48		
10	CAPACITOR	C2012X5R0J226M	22uF	3	TDK	C40	C42	C61			
11	CAPACITOR	CL31A106KOHNNNE	10uF	2	SAMSUNG	C37	C38				
12	CAPACITOR	GRM32ER60J107	100uF	1	MURATA	C49					
13	CAPACITOR	SC1H106M05005	10uF	2	SAMWHA	C95	C96				
14	CAPACITOR	EECS0HD334V	EECS0HD334V	1	PANASONIC	C2					
15	CAPACITOR	TCSCS1C106MA	10uF	17	SAMSUNG	C37 C19 C23 C39 C63	C6 C20 C29 C41	C10 C21 C30 C45	C15 C22 C31 C62		
16	CAPACITOR	10TPE330M	330uF	2	SANYO	C28	C47				
17	RESISTOR	RP164PJ330CS	33Ω	12	SAMSUNG	RN1 RN5 RN9	RN2 RN6 RN10	RN3 RN7 RN12	RN4 RN8 RN13		
18	RESISTOR	RC1608J000CS	0Ω	3	SAMSUNG	R4	R99	R203			
19	RESISTOR	RC1608F1R0CS	1Ω	1	SAMSUNG	R101					
20	RESISTOR	RC1608F1211CS	1.21K_1%	1	SAMSUNG	R164					
21	RESISTOR	RC1608J101CS	100Ω	2	SAMSUNG	R24	R25				
22	RESISTOR	RC1608J103CS	10K	46	SAMSUNG	R1 R15 R20 R30 R44 R56 R67 R73	R25 R16 R23 R36 R49 R61 R70 R75	R5 R17 R26 R37 R53 R63 R71 R77	R6 R19 R28 R41 R54 R64 R72 R79		
											





MODEL. NAME		SNMP		DOC.NAME		Part list				SHEET	7
										DATE	2008.10.09
NUM	품명	규격	단위	원단위수	제조사	REF NUM				CHANGED	
80	BEAD	N.C	N.C	6		R257 L19 L10	R258 L21 L12	R259 L22	L23		
81	INDUCTOR	N.C	N.C	2		L24	L20				
82	DIODE	SP0503BAHT	N.C	5		D4 D11	D6	D7	D9		
83	LED	N.C	N.C	7		LED3 D5	LED4 D8	D1 D10	D3		
84	CONNECTOR	N.C	N.C	6		J4 CON4	J5 CON5	CON3	J2		
85	RELAY	TQ2-3V	N.C	2		U22	U24				
86	VARIATOR	TVR07560KSY	N.C	2		VC1	VC2				
87	IC	AD7949BCPZ	N.C	1		U25					
88	IC	ADCMP600BRJZ	N.C	1		U39					
89	IC	CP2102	N.C	1		U19					
90	IC	KTA1552T	N.C	2		Q2	Q3				
91	IC	KTN2222S	N.C	6		U27 U34	U23 U35	U31	U33		
92	IC	EP3C5F256C8N_1	N.C	1		FU1					
93	IC	MAX4073TAXK-T	N.C	1		U38					
94	IC	SP3223EEA	N.C	3		U30	U36	U37			
										