

HPA

AP1875H1F11_RF

Item	Q'ty	Reference	Part	Package	Description	Manufacturer	Remark
1	4	C11,C34,C49,C64	10nF	1608	Chip Capacitor	Murata	
2	8	C12,C36,C42,C46,C51,C57,C61,C66	18pF	1608	Chip Capacitor	Murata	
3	6	C13,C35,C47,C48,C62,C63	100nF	1608	Chip Capacitor	Murata	
4	4	C14,C37,C50,C65	1nF	1608	Chip Capacitor	Murata	
5	3	C33,C43,C58	4.7uF/16V	SMA	Tantal Capacitor	AVX	
6	10	U8,U9,U10,U11,C44,C45,C56,C59,C60,C71	?		Not Inserted		
7	2	C52,C67	100uF/50V/SMD	10	Electrolytic Capacitor	Rubycon	
8	2	C53,C68	10uF/50V	SMD	Tantal Capacitor	AVX	
9	2	C69,C54	220nF/100V	3225	High Voltage Capacitor	Johanson Tech	
10	9	C55,C70,C108,C109,C110,C111,C112,C114,C115	18pF.HQ	2012	High Q Capacitor	Johanson Tech	
11	2	C116,C113	10pF.HQ	2012	High Q Capcitor	Johanson Tech	
12	5	C117,C119,C126,C130,C132	1.0pF.HQ	2012	High Q Capcitor	Johanson Tech	
13	1	C118	1.8pF.HQ	2012	High Q Capcitor	Johanson Tech	
14	3	C120,C123,C129	2.4pF.HQ	2012	High Q Capcitor	Johanson Tech	
15	2	C121,C128	1.5pF.HQ	2012	High Q Capcitor	Johanson Tech	
16	2	C122,C127	2.0pF.HQ	2012	High Q Capcitor	Johanson Tech	
17	1	C124	3.3pF.HQ	2012	High Q Capcitor	Johanson Tech	
18	4	C125,C131,C133,C134	0.5pF.HQ	2012	High Q Capcitor	Johanson Tech	
19	4	L1,L3,R33,R39	0	2012	Chip Resistor	Kamaya	
20	2	L4,L2	15nH	2012	Chip Inductor	CeraTech	
22	1	Q2	AG101	SOT89	MMIC AMP	TriQuint	
23	1	Q3	BT05CV	2012	MMIC AMP	Berex	
24	2	Q4,Q6	PNP	SOT23	PNP BJT	KEC	
25	1	Q5	MRF6S20010N		LDMOS	FreeScale	
26	1	Q7	AGR19045		LDMOS	TriQuint	
27	2	R2,R3	43	2012	Chip Resistor	Walsin	
28	1	R4	12	2012	Chip Resistor	Walsin	
29	1	R29	33	2012	Chip Resistor	Walsin	
30	1	R30	1K	2012	Chip Resistor	Walsin	
31	2	R31,R37	1K VR	3224	Trimming Potentiometer	Walsin	
32	1	R32	510	2012	Chip Resistor	Walsin	
33	1	R34	5.1	2012	Chip Resistor	Walsin	
34	1	R35	360	2012	Chip Resistor	Walsin	
35	1	R36	470	2012	Chip Resistor	Walsin	
36	1	R38	2.2K	2012	Chip Resistor	Walsin	
37	1	R40	2.4	2012	Chip Resistor	Walsin	
38	2	R42,R41	100	2012	Chip Resistor	Walsin	
39	2	R63,R65	180	2012	Chip Resistor	Walsin	
40	1	R64	27	2012	Chip Resistor	Walsin	
41	2	R69,R66	300	2012	Chip Resistor	Walsin	
42	1	R67	33/1608	1608	Chip Resistor	Walsin	
43	2	R68,R75	40TH/1608	1608	Chip Thermistor	Mitsubishi Material	
44	4	R70,R72,R73,R76	430	2012	Chip Resistor	Walsin	
45	1	R71	40TH//24(1608)	1608	Chip Thermistor//Resistor		
46	1	R74	24/1608	1608	Chip Resistor	Walsin	
47	1	U17	NI235CH	CH	Isolator	Nanowave	

AP1875H1F11_Control

Item	Q'ty	Reference	Part	Package	Description	Manufacturer	Remark
1	3	C1,C8,C29	18pF.HQ	2012	High Q Capacitor	Johanson Tech	
2	2	C2,C7	220nF/100V	3225	High Voltage Capacitor	Johanson Tech	
3	8	C3,C9,C16,C74,C75,C76,C82,C83	18pF	1608	Chip Capacitor	Murata	
4	5	C4,C10,C17,C20,C72	4.7uF/16V	SMA	Tantal Capacitor	AVX	
5	53	C5,U6,C6,R10,U11,U14,C22,23,C24,C25,C28,C30,C31,C32,C38,C41,R49,R50,R51,R52,R53,R54,R55,R56,R57,R58,R59,R60,R61,R62,C81,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C97,C98,C99,C100,C101,C102,C103,C104,C105,C106,C107	?		Not Inserted		
6	3	C15,C80,C85	100nF	1608	Chip Capacitor	Murata	
7	2	C73,C18	10nF	1608	Chip Capacitor	Murata	
8	1	C19	10pF	1608	Chip Capacitor	Murata	
9	4	C77,C78,C79,C84	1nF	1608	Chip Capacitor	Murata	
10	1	D1	SMS05T1	SC74	Transient Voltage Suppress	On-Semi	
11	1	J1	Boxheader-18P-2				
12	1	J2	Molex 9PIN		Straight		
13	1	Q1	NPN	SOT23	NPN BJT	KEC	
14	3	R1,R7,R9	10K	2012	Chip Resistor	Kamaya	
15	7	R5,R6,R11,R12,R13,R14,R48	0	2012	Chip Resistor	Kamaya	
16	4	R8,R21,R24,R27	100K	2012	Chip Resistor	Kamaya	
17	3	R15,R16,R17	0.1(F)	2012	Chip Resistor	Kamaya	
18	7	R17,R18,R19,R20,R22,R23,R26	10K(F)	2012	Chip Resistor	Kamaya	
19	1	R25	2K	2012	Chip Resistor	Kamaya	
20	1	R28	160K	2012	Chip Resistor	Kamaya	
21	2	R43,R45	300	2012	Chip Resistor	Kamaya	
22	1	R44	18	2012	Chip Resistor	Kamaya	
23	1	R46	24	2012	Chip Resistor	Kamaya	
24	1	R47	36	2012	Chip Resistor	Kamaya	
25	1	U1	7805	DPAK	Voltage Regulator	KEC	
26	1	U2	7806	DPAK	Voltage Regulator	KEC	
27	1	U3	LP2992AIM-5.0V	SOT23-5	Voltage Regulator	National Semi	
28	1	U4	IRF5803	SOT23-6	Power MOSFET	IR	
29	1	U7	LM2904	SO8	Dual Operational AMP	National Semi	
30	2	U12,U13	AD8362	TSSOP16	True Power Detector	Analog Device	

PAT1960H30F11

Item	Quantity	Reference	Part	description	package	Manufacturer
16	1	C183	15p F			
1	47	C1, C7, C8, C10, C12, C14, C16, C20, C22, C24, C26, C27, C29, C34, C39, C45, C47, C49, C51, C53, C55, C62, C67, C69, C70, C72, C74, C78, C82, C92, C94, C96, C98, C100, C106, C114, C121, C122, C133, C166, C168, C170, C187, C200, C112, C113, C120	18 pF			
2	8	C2, C17, C30, C35, C56, C75, C79, C83	100 pF			
3	52	C3, C5, C6, C9, C11, C13, C15, C156, C18, C21, C23, C25, C28, C31, C36, C40, C46, C48, C50, C52, C54, C57, C63, C68, C71, C73, C76, C80, C84, C93, C95, C97, C99, C101, C107, C115, C123, C108, C109, C110, C116, C117, C134, C167, C169, C171, C172, C198, C199, C201, C208, C118	1 nF	chip capacitor	1608	Murata
4	9	C4, C19, C32, C37, C58, C64, C77, C81, C85	10 nF			
5	1	C184	22n F			
6	3	C65, C111, C119	100 nF			
7	30	HC1, HC3, HC4, HC5, HC6, HC7, HC9, HC14, HC21, HC22, HC23, HC24, HC25, HC37, HC38, HC44, HC45, HC51, HC52, HC53, HC55, HC57, HC59, HC61, HC63, HC65, HC67, HC69, HC71, HC73	18 pF			
8	13	HC8, HC16, HC17, HC20, HC30, HC32, HC39, HC40, HC46, HC47, HC79, HC80, HC81	2 pF			
9	8	HC10, HC15, HC29, HC31, HC33, HC76, HC77, HC78	4 pF	High-Q cap	2012	Johanson Tech.
10	1	HC11	3 pF			
11	6	HC13, HC19, HC28, HC34, HC41, HC48	1 pF			
12	2	HC18, HC27	15 pF			
13	12	HC26, HC54, HC56, HC58, HC60, HC62, HC64, HC66, HC68, HC70, HC72, HC74	100 pF			
14	3	HC35, HC42, HC49	0.5 pF			
15	1	HC75	1.5 pF			
16	3	HT1, HT2, HT3	18 pF	High-Q cap	B-Case	Temex
17	3	HT4, HT5, HT6	15 pF	High-Q cap		
18	16	HV1, HV2, HV3, HV4, HV5, HV6, HV7, HV8, HV9, HV10, HV11, HV12, HV13, HV14, HV15, HV16	220 nF	High-V cap	4232	Johanson Dielectrics.
19	15	C33, C38, C42, C43, C44, C61, C66, C102, C105, C132, C135, C136, C157, C158, C165	16V/4.7 uF	Tantal		AVX
20	4	C41, C163, C164, C180	50V/10 uF	Tantal		
	6	C86, C87, C88, C89, C90, C91	595D106X9050D2T	Tantal		Vishay
21	5	C59, C60, C179, C181, C185	50V/470 uF	Electrolytic cap		Rubycon
22	1	C178	16V/1000u F	Electrolytic cap		Rubycon
23	1	L2	22 nH	chip Inductor	2012	Johanson
24	1	L3	6.8 nH			Johanson
25	1	R37	3.3 nH			Johanson
26	1	L4	100n H	Toroidal Inductor		Kwangsung Electronics

27	27	L1,R5,R7,R10,R21,R41,R46, R50,R51,R72,R94,R95,R106, R114,R121,R122,R123,R124, R125,R126,R127,R129,R130, R134,R138,R139,R141	0 Ohm	chip Resistor	2012	Walsin
28	2	R1,R3	130 Ohm			
29	1	R2	43 Ohm			
29	3	R13,R14,R74	150 Ohm			
30	2	R22,R24	300 Ohm			
30	1	R23	18 Ohm			
31	6	R25,R27,R29,R31,R33,R35	430 Ohm			
31	3	R26,R30,R34	24 Ohm			
32	2	R38,R39	120 Ohm			
32	1	R43	200 Ohm			
33	2	R44,R55	1 kOhm			
33	1	R48	3,6 kOhm			
34	1	R52	2 Ohm			
34	1	R53	560 Ohm			
35	3	R56,R80,R90	30 Ohm			
35	3	R57,R62,R67	820 Ohm			
36	3	R59,R64,R69	2 kOhm			
36	3	R60,R65,R70	20 Ohm			
37	3	R61,R66,R71	20 kOhm			
37	2	R73,R75	68 Ohm			
38	6	R76,R78,R83,R85,R86,R88	100 Ohm			
38	3	R77,R84,R87	75 Ohm			
39	4	R79,R81,R89,R91	180 Ohm			
39	3	R82,R92,R93	51 Ohm			
40	1	R131	33 kOhm			
40	1	R132	68 kOhm			
41	4	R133,R135,R136,R148	10 kOhm			
41	1	R146	1,1 kOhm			
42	1	R147	7,5 kOhm			
42	2	R15,R142	0 Ohm	chip Resistor	3026	Walsin
43	1	R49	5k VR	Variable resistor		Burns
43	4	R54,R58,R63,R68	1k VR			
44	3	R28,R32,R36	40 Ohm	Thermistor	1608	Expan Tech.
44	1	R45	1 kOhm			
45	1	Q2	1N5822 SMD	shocky diode		Fair child
45	1	Q1	AG101	Gain block		Watkins-Jonson
46	1	Q2	BC05CV	Gain block		Berex
46	1	Q3	MGF0921	GaAs FET		Mitsubishi
47	1	Q4	MRF7S19100NR1	LDMOS FET		Freescale
47	4	Q5,Q7,Q9,Q11	PNP BCE	PNP		KEC
48	3	Q6,Q8,Q10	MRF7S19170HR3	LDMOS FET		Freescale
48	1	Q12	NPN BCE	NPN		KEC
49	1	U2	Max871	Regulator		Maxim
49	1	U3	Phone isolator_1.96GHz	isolator		Partron
50	1	U4	LP2985	Regulator		National S.C
50	2	U5,U8	XC1900A-03S	coupler		Anaren
51	2	U6,U9	XC1900A-05S	coupler		Anaren
51	2	U7,U12	C16A50Z4	Term		Anaren
52	2	U10,U11	RFP-60-50-TPC	Term		Anaren
52	1	U14	ISOLATOR	isolator		Nanowave
53	2	U15,U16	AD8362	Log Amp		Analog Device
53	1	U19	MC7812	Regulator		On-semi
54	1	U20	MC7805	Regulator		On-semi
54	1	U21	SMS05T1G	diode		National S.C.
55	1	U22	Molex 9 pin	molex		
55	1	U23	IRF4905	P mos		International Rectifier
56	1	U25	LM2596 ADJ	Switching Regulator		National S.C.
57	1	U26	DCDC convertor	DCDC convertor		goldmax
58	111	U1,HC2,R4,R6,R8,R9,R11, R12,HC12,U13,R16,U17,R17, U18,R18,R19,R20,U24,R40, R42,R47,R96,R97,R98,R99, R100,R101,R102,R103,C103, R104,C104,R105,R107,R108, R109,R110,R111,R112,R113, R115,R116,R117,R118,R119, R120,C124,C125,C126,C127, R128,C128,C129,C130,C131, R137,C137,C138,C139,R140, C140,C141,C142,R143,C143, R144,C144,R145,C145,C146, C147,C148,C149,R150,C150, R151,C151,R152,C152,R153, C153,R154,C154,C155,C159, C160,C161,C162,C173,C174, C175,C176,C177,C182,C186, C188,C189,C190,C191,C192, C193,C194,C195,C196,C197, C202,C203,C204,C205,C206, C207	NULL	NULL	NULL	NULL

ICS

APOLLEX-2N Sprint CDMA FWD_2008/10/

Item	Quantity	Reference	Part	품목	Maker
1	1	C1	10 uF/X5R/2012	CAP	삼성전기
2	9	C5,C14,C20,C29,C47, C50,C73,C76,C79	10 uF/10V/3528/Tantal	T.CAP	AVX
3	4	C2,C12,C13,C59	10 nF/X7R/1608	CAP	삼성전기
4	19	C3,C6,C7,C15,C16,C18,C26, C31,C32,C45,C46,C48,C60, C61,C62,C69,C70,C72,C77	1 uF/X5R/1608	CAP	삼성전기
5	17	C4,C8,C9,C25,C33,C43,C44, C54,C56,C58,C63,C64,C66, C68,C71,C80,C87	1 nF/1608	CAP	삼성전기
6	10	C10,C11,C35,C37,C38,C53, C65,C67,C74,C75	100 pF/X7R/1608	CAP	삼성전기
7	1	C17	33 pF/X7R/1608	CAP	삼성전기
8	1	C19	560 pF/X7R/1608	CAP	삼성전기
9	1	C21	180 pF/X7R/1608	CAP	삼성전기
10	2	C24,C22	56 pF/X7R/1608	CAP	삼성전기
11	1	C23	2 pF/X7R/1608	CAP	삼성전기
12	1	C28	4.7 uF/10V/3528/Tantal	T.CAP	AVX
13	2	C51,C30	470 pF/X7R/1608	CAP	삼성전기
		C34	3.3		
14	1	C39	7.5 pF/X7R/1608	CAP	삼성전기
15	1	C40	0.75 pF/X7R/1608	CAP	삼성전기
16	1	C41	1.3 pF/X7R/1608	CAP	삼성전기
17	6	C52,C57,C82,C83,C85,C89	4.7 nF/X7R/1608	CAP	삼성전기
18	1	C55	2.7 pF/X7R/1608	CAP	삼성전기
19	1	C81	NC/1608	CAP	삼성전기
20	3	C27,C49,C78	NFM21PC474	CAP.EMI	Murata
21	2	L2,L1	68 nH/1608	Inductor	삼성전기
22	1	L3	3.3 nH/1608	Inductor	삼성전기
23	1	L4	25 nH/1608	Inductor	삼성전기
24	1	L6	2.2 nH/1608	Inductor	삼성전기
25	1	L7	5.6 nH/1608	Inductor	삼성전기
26	1	L9	100 nH/1608	Inductor	삼성전기
27	1	L11	1.8nH/1608	Inductor	삼성전기
28	3	L5,L8,L10	Beed/2012	BEED	삼성전기
29	4	R1,R12,R23,R30	3/5%/1608	Resistor	삼성전기
30	1	R2	4.7k/5%/1608	Resistor	삼성전기
31	4	R3,R7,R26,R27	NC		
32	4	R4,R32,R33,R39	10k/5%/1608	Resistor	삼성전기
33	3	R5,R6,R8	24.9/5%/1608	Resistor	삼성전기
34	3	R9,R29,R31	51/5%/1608	Resistor	삼성전기

35	1	R10	24k/5%/1608	Resistor	삼성전기
36	1	R11	10/5%/1608	Resistor	삼성전기
37	1	R15	36/5%/1608	Resistor	삼성전기
38	2	R25,R17	0/5%/1608	Resistor	삼성전기
39	2	R18,R22	100/5%/1608	Resistor	삼성전기
40	2	R19,R20	150/5%/1608	Resistor	삼성전기
41	1	R21	30k/5%/1608	Resistor	삼성전기
42	2	R28,R24	4.99k/5%/1608	Resistor	삼성전기
43	4	R34,R35,R38,R44	1.5k/5%/1608	Resistor	삼성전기
44	4	R36,R41,R42,R43	3.3k/5%/1608	Resistor	삼성전기
45	1	R40	400/5%/1608	Resistor	삼성전기
46	3	R13,R14,C42	NC	NC	
47	1	U1	ADF4360-3BCPZ	PLL	Analog Devices
48	1	U2	MABA-007159-000000	Transformer	MACOM
49	1	U3	LTC2624IGN#PBF	DAC	Linear Tech.
50	1	U4	FTHV4-3	VCXO	Fine Tech.
51	4	U5,U11,U23,U36	HS083020	Socket	Human 전자
52	1	U6	TC1-1T+	Transformer	MiniCircuits
53	1	U7	AG102-G	TR	WJ
54	1	U9	SCN2-22+	Splitter	MiniCircuits
55	1	U10	F4C1823-40	BPF	CIJ
56	3	U12,U14,U15	NFA31GD1011014D	EMI Filter	Murata
57	1	U16	MIC5209-3.3YM	LDO	Micrel
58	1	U17	AP205A	TR	RFHIC
59	2	U29,U18	HMC271LP4E	Digital Atten	Hittite
60	1	U19	CL2101	LNA	RFHIC
61	2	U28,U20	F4D1962.5-65	BPF	CIJ
62	1	U21	MIC5209-5.0YM	LDO	Micrel
63	4	U22,U27,U32,U35	LFCN400+	LPF	MiniCircuits
64	1	U24	LT5527EUF#PBF	Mixer	Linear Tech.
65	1	U25	AD8370AREZ	VGA	Analog Devices
66	1	U26	TC2-1T+	Transformer	MiniCircuits
67	1	U30	JP510S	Coupler	Anaren
68	1	U31	AP410	TR	RFHIC
69	1	U33	TCM4-19+	Transformer	MiniCircuits
70	1	U34	HMC497LP4E	Modulator	Hittite
71	1	U37	MIC39101-5.0YM	LDO	Micrel
72	1	J1	DONOR ANT		
73	1	J2	ANT		
74	1	J3	COUP		

APOLLEX-2N Sprint CDMA RVS_2008/10/

Item	Quantity	Reference	Part	품목	Maker
1	1	C1	10 uF/X5R/2012	CAP	삼성전기
2	9	C5,C14,C20,C29,C37, C41,C64,C65,C70	10 uF/10V/3528/Tantal	T.CAP	AVX
3	4	C2,C12,C13,C50	10 nF/1608	CAP	삼성전기
4	17	C3,C6,C7,C15,C16,C18,C26, C31,C38,C39,C51,C52,C53, C60,C61,C63,C66	1 uF/X5R/1608	CAP	삼성전기
5	15	C4,C8,C9,C25,C36,C45,C47, C49,C54,C55,C57,C59,C62, C71,C78	1 nF/X5R/1608	CAP	삼성전기
6	9	C10,C11,C32,C33,C44,C56, C58,C67,C69	100 pF/X5R/1608	CAP	삼성전기
7	1	C17	33 pF/X5R/1608	CAP	삼성전기
8	1	C19	560 pF/X5R/1608	CAP	삼성전기
9	1	C21	180 pF/X5R/1608	CAP	삼성전기
10	2	C24,C22	56 pF/X5R/1608	CAP	삼성전기
11	1	C23	2 pF/X5R/1608	CAP	삼성전기
12	1	C28	4.7 uF/10V/3528/Tantal	T.CAP	AVX
13	2	C42,C30	470 pF/X5R/1608	CAP	삼성전기
14	1	C34	2.2 pF/X5R/1608	CAP	삼성전기
15	6	C43,C48,C73,C74,C76,C79	4.7 nF/X5R/1608	CAP	삼성전기
16	1	C46	2.7 pF/X5R/1608	CAP	삼성전기
17	1	C72	0.3 pF/X5R/1608	CAP	삼성전기
18	3	C27,C40,C68	NFM21PC474	CAP.EMI	Murata
19	2	L2,L1	68 nH/1608	Inductor	삼성전기
20	1	L3	3.3 nH/1608	Inductor	삼성전기
21	1	L4	25 nH/1608	Inductor	삼성전기
22	1	L6	4.7 nH/1608	Inductor	삼성전기
23	1	L8	100 nH/1608	Inductor	삼성전기
24	3	L5,L7,L9	Beed/2012	BEED	삼성전기
25	3	R1,R12,R31	3/5%/1608	Resistor	삼성전기
26	1	R2	4.7k/5%/1608	Resistor	삼성전기
27	4	R4,R32,R34,R40	10k/5%/1608	Resistor	삼성전기
28	3	R5,R6,R8	24.9/5%/1608	Resistor	삼성전기
29	3	R9,R30,R33	51/5%/1608	Resistor	삼성전기
30	1	R10	24k/5%/1608	Resistor	삼성전기
31	1	R11	10/5%/1608	Resistor	삼성전기
32	1	R15	36/5%/1608	Resistor	삼성전기
33	2	R23,R17	0/5%/1608	Resistor	삼성전기
34	2	R18,R22	100/5%/1608	Resistor	삼성전기

35	2	R19,R20	150/5%/1608	Resistor	삼성전기
36	1	R21	40k/5%/1608	Resistor	삼성전기
37	1	R26	5.6/5%/1608	Resistor	삼성전기
38	2	R28,R27	910/5%/1608	Resistor	삼성전기
39	1	R29	4.99k/5%/1608	Resistor	삼성전기
40	4	R35,R36,R39,R45	1.5k/5%/1608	Resistor	삼성전기
41	4	R37,R42,R43,R44	3.3k/5%/1608	Resistor	삼성전기
42	1	R41	400/5%/1608	Resistor	삼성전기
43	7	R3,R7,R13,R14,R24,R25,C35	NC/1608	NC	
44	1	U1	ADF4360-3BCPZ	PLL	Analog Devices
45	1	U2	MABA-007159-00000	Transformer	MACOM
46	1	U3	LTC2624IGN#PBF	DAC	Linear Tech.
47	1	U4	FTHV4-3	VCO	Fine Tech.
48	4	U5,U11,U21,U35	HS083020	Socket	Human 전자
49	1	U6	TC1-1T+	Transformer	MiniCircuits
50	1	U7	AG102-G	TR	WJ
51	1	U9	SCN2-22+	Splitter	MiniCircuits
52	1	U10	F4C1743-40	BPF	CIJ
53	3	U12,U14,U15	NFA31GD1011014D	EMI Filter	Murata
54	1	U16	MIC5209-3.3YM	LDO	Micrel
55	1	U17	LCL1902	LNA	RFHIC
56	2	U26,U18	F4D1882.5-65	BPF	CIJ
57	1	U19	MIC5209-5.0YM	LDO	Micrel
58	4	U20,U25,U30,U32	LFCN400+	LPF	MiniCircuits
59	1	U22	LT5527EUF#PBF	Mixer	Linear Tech.
60	1	U23	AD8370AREZ	VGA	Analog Devices
61	1	U24	TC2-1T+	Transformer	MiniCircuits
62	1	U27	HMC271LP4E	Digital Atten	Hittite
63	1	U28	JP510S	Coupler	Anaren
64	1	U29	AP410	TR	RFHIC
65	1	U31	TCM4-19+	Transformer	MiniCircuits
66	1	U33	HMC497LP4E	Modulator	Hittite
67	1	U34	MIC39101-5.0YM	LDO	Micrel
68	1	J1	DONOR ANT		
69	1	J2	ANT		
70	1	J3	COUP		

ICU_Digital_Partlist										
NUM	품명	규격	단위	원단위수	제조사	REF NUM				
1	CAP	CL10B104KBNC	0.1uF	126	SAMSUNG	DC1	DC2	DC3	DC4	DC5
						DC6	DC7	DC8	DC9	DC10
						DC11	DC12	DC13	DC14	DC15
						DC16	DC17	DC18	DC19	DC20
						DC21	DC22	DC23	DC24	DC25
						DC26	DC27	DC28	DC29	DC30
						DC31	DC32	DC33	DC34	DC35
						DC36	DC37	DC38	DC39	DC40
						DC41	DC42	DC43	DC44	DC50
						DC51	DC52	DC53	DC54	DC55
						DC56	DC57	DC58	DC59	DC60
						DC61	DC62	DC63	DC64	DC65
						DC66	DC67	DC68	DC69	DC70
						DC71	DC72	DC73	DC74	DC75
						DC76	DC77	DC78	DC79	DC80
						DC81	DC82	DC83	DC84	DC85
						DC86	DC87	DC88	DC89	DC90
						DC91	DC92	DC93	DC94	DC95
						DC96	DC97	DC98	DC99	DC100
						DC101	DC102	DC103	DC104	DC105
						DC106	DC107	DC108	DC109	DC110
						DC111	DC112	DC113	DC114	DC115
						DC116	DC117	DC118	DC119	DC120
						DC121	DC122	DC123	DC124	DC125
						DC126				
2	CAP	CL10B104KBNC	0.1uF	43	SAMSUNG	C1	C3	C11	C17	C20
						C22	C23	C24	C29	C35
						C38	C39	C40	C58	C73
						C87	C90	C92	C107	C98
						C105	C106	C109	C113	C116
						C124	C134	C139	C140	C145
						C155	C159	C160	C167	C173
						C174	C175	C176	C177	C178
						C180	C182	C183		
3	CAP	CL10B102KBNC	1nF	55	SAMSUNG	C59	C62	C71	C72	C74
						C75	C76	C77	C78	C79
						C80	C81	C83	C86	C88
						C89	C91	C96	C97	C102
						C104	C108	C110	C112	C114
						C117	C118	C119	C120	C122
						C125	C126	C127	C128	C129
						C130	C138	C143	C144	C147
						C148	C149	C150	C151	C152
						C153	C156	C157	C162	C165
						C168	C169	C170	C171	C172
4	CAP	CL10C471JBNC	470pF	4	SAMSUNG	C36	C37	C135	C136	
5	CAP	CL10C330JBNC	33pF	2	SAMSUNG	C14	C28			
6	CAP	CL10C101JBNC	100pF	3	SAMSUNG	C7	C8	C99		
7	CAP	CL10C390JBNC	39pF	2	SAMSUNG	C27	C12			
8	CAP	CL10C680JBNC	68pF	1	SAMSUNG	C13				
9	CAP	CL10C300JBNC	30pF	1	SAMSUNG	C4				
10	CAP	CL10C180JBNC	18pF	1	SAMSUNG	C5				
11	CAP	CL10B222KBNC	2.2nF	1	SAMSUNG	C181				
12	CAP	0805X106M6R3CT	10uF	4	SAMSUNG	C21	C30	C121	C123	
13	CAP	1206X106K100C	10uF	4	SAMSUNG	C9	C10	C18	C19	
14	CAP	GRM32ER60J107	100uF	2	MURATA	C15	C16			
15	CAP	FA1A476M6L006	47uF	2	SAMWHA	C31	C32			
16	CAP	6TPE470MCL	470uF	2	SANYO	C25	C26			
17	CAP	TCSCS1E336MDAR	33uF_25V	3	SAMSUNG	C2	C43	C51		
18	CAP	TAJB475M016RNJ	4.7uF	1	SAMSUNG	C179				
19	CAP	TAJB106M016RNJ	10uF	16	SAMSUNG	C33	C46	C47	C48	C49
						C101	C111	C115	C132	C133
						C142	C146	C158	C164	C6
						C50				
20	CAP	NFM21PC474R1C3	NFM21PC474R1C3	10	MURATA	C34	C41	C42	C65	C100
21	CAP		N.C	28		C131	C137	C141	C154	C163
						C44	C45	C52	C53	C54
						C55	C56	C57	C60	C61
						C63	C64	C66	C67	C68
						C69	C70	C82	C84	C85
						C93	C94	C95	C103	C161
						C166	C186	C187		

22	RES	RC1608J103CS	10K	7	SAMSUNG	R58 R100	R82 R106	R91	R92	R93
23	RES	RC1608F103CS	10K_1%	1	SAMSUNG	R97				
24	RES	RC1608F101CS	100_1%	2	SAMSUNG	R72	R8			
25	RES	RC1608F102CS	1K_1%	7	SAMSUNG	R68 R86	R38 R99	R67	R76	R83
26	RES	RC1608F122CS	1.2K	1	SAMSUNG	R85				
27	RES	RC1608F363CS	36K_1%	1	SAMSUNG	R62				
28	RES	RC1608F243CS	24K_1%	2	SAMSUNG	R15	R61			
29	RES	WR06X2870FTL	287_1%	1		R64				
30	RES	RC1608F49R9CS	50_1%	9	SAMSUNG	R52 R75	R53 R79	R63 R101	R65 R102	R66
31	RES	RC1608J330CS	33	10	SAMSUNG	R36 R70	R37 R78	R47 R80	R55 R81	R69 R84
32	RES	RC1608J472CS	4.7K	2	SAMSUNG	R35	R95			
33	RES	RC1608J201CS	200	1	SAMSUNG	R94				
34	RES	RC1608F2212CS	22.1K_1%	1	SAMSUNG	R2				
35	RES	RC1608J104CS	100K	1	SAMSUNG	R3				
36	RES	RC1608F273CS	27K_1%	1	SAMSUNG	R18				
37	RES	RC1608F823CS	82K_1%	1	SAMSUNG	R17				
38	RES	RM06FTN4992	50k	2		R4	R6			
39	RES	WR06X3741FTL	3.7K	1		R9				
40	RES	RC1608F153CS	15K_1%	2	SAMSUNG	R16	R60			
41	RES	RC1608F183CS	18K_1%	1	SAMSUNG	R59				
42	RES	RC1608F151CS	150_1%	6	SAMSUNG	R43 R57	R44	R51	R54	R56
43	RES	RC1608J623CS	62K	2	SAMSUNG	R42	R45			
44	RES	RC1608F820CS	80	1	SAMSUNG	R46				
45	RES	RC1608J000CS	0	1	SAMSUNG	R49				
46	RES	RP164PJ330CS	33	8	SAMSUNG	RN4 RN9	RN5 RN10	RN6 RN11	RN7	RN8
47	RES		N.C	45		R1 R12 R21 R26 R31 R40 R73 R89 R104	R5 R13 R22 R27 R32 R41 R74 R90 R105	R7 R14 R23 R28 R33 R48 R77 R96 RN1	R10 R19 R24 R29 R34 R50 R87 R98 RN2	R11 R20 R25 R30 R39 R71 R88 R103 RN3
48	IND	0805CS-220X_L	22nH	2	COILCRAFT	L1	L4			
49	IND	0805CS-180X_L	18nH	1	COILCRAFT	L6				
50	IND	0805CS-390X_L	39nH	3	COILCRAFT	L2	L3	L5		
51	IND	0805CS-560X_L	56nH	1	COILCRAFT	L7				
52	IND	HU-1M3216-121JT	FB_3216	2		L8	L11			
53	IND	CIM21J121NE	FB_2012	11		L13 L15 L22	L16 L17	L18 L19	L9 L20	L10 L21
54			N.C	2		L12	L14			
55	CON	HP087020(MALE)	HP087020	5	HUMAN ELEC	J1	J2	J3	J5	J7
56	CON	BOX_HEADER_RA_2X10_P2.54	CON2X10	1		J4				
57			N.C	2		J6	J8			
58	DIODE	MBRD835LT4G	MBRD835LT4G	1	ON SEMI	D1				
59		N.C	N.C	5		LED1	LED2	LED3	LED4	LED5
60		N.C	N.C	3		Q1	Q2	Q3		
61	OCS	DX-5	25MHz	1	SUNY	Y1				
62	TRANSFORMER	MABA_007159_000000	MABA_007159_000000	1		T1				
63		N.C	N.C	2		T2	T3			
64	CAP	CL31B104KBNC	0.1uF_3216	1	SAMSUNG	SW1				
65		N.C	N.C	1		F1				
66	EMI	BNX012-01	BNX012-01	1	MURATA	U3				
67	IC	LTM4600IV#PBF	LTM4600IV#PBF	2	LINEAR	U1	U2			
68	IC	AD9446BSVZ-80	AD9446BSVZ-80	1	ANALOG	U4				
69	IC	MIC5209YM	MIC5209YM	4	MICREL	U5	U6	U16	U17	
70	IC	EP2S90F1020	EP2S90F1020	1	ALTERA	U7				
71	IC	CDCM1804RGET	CDCM1804RGET	1	TI	U14				
72	IC	TMS320C6713BZDPA-200	TMS320C6713B	1	TI	U15				
73	IC	ADM6315-29D4ATZR7	ADM6315	1	ANALOG	U18				
74	IC	AD9779ABSVZ	AD9779ABSVZ	1	ANALOG	U19				
75	IC	MAX6690MEE+T	MAX6690	1	MAXIM	U20				
76	IC	SN74AHC125PW	SN74AHC125PW	1	TI	U21				
77	IC	SP3223EEA	SP3223EEA	1		U22				
78	IC	S29GL032A90TFIR3	S29GL032A90TFIR3	1	SPANSION	U23				
79	IC	HY57V281620ELTP_HI	HY57V281620ELTP_HI	1	HYNIX	U24				
80			N.C	5		U8	U9	U10	U11	U25

PSU

문서 번호		H651 - E001		<div>PART LIST</div> <div>업체명 : 에어 포인트 작성일 : 2008년 10월 02일</div>			<div>작 성 검 토 승 인</div> <div></div>		
MODEL NAME		미국향 PSU							
MODEL NO.		MPS - H651							
ISSUE		0							
PAGE		1 / 6							
NO	DRAW NO	품 명	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>		
MODEL NAME		미국향 PSU							
MODEL NO.		MPS - H651							
ISSUE		0							
PAGE		2 / 6							
NO	DRAW NO	품 명	PARTS NAME	DESCRIPTION	VENDOR	Q'TY	REMARKS		
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>		
MODEL NAME		미국향 PSU							
MODEL NO.		MPS - H651							
ISSUE		0							
PAGE		3 / 6							
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			

문서 번호		H651 - E004		<div>PART LIST</div> <div>업체명 : 에어 포인트 작성일 : 2008년 10월 02일</div>			<div>작 성 검 토 승 인</div>		
MODEL NAME		미국향 PSU							
MODEL NO.		MPS - H651							
ISSUE		0							
PAGE		4 / 6							
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			

[illegible]

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							
PAGE		6 / 6							
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			


RCU


RCU Partlist


NUM	품명	규격	단위	수량	제조사	REF NUM			
1	CAPACITOR	CL10B104KBNC	0.1uF	37	SAMSUNG	C9 C13 C20 C30 C34 C38 C42 C46 C50 C54	C10 C16 C21 C31 C35 C39 C43 C47 C51	C11 C18 C28 C32 C36 C40 C44 C48 C52	C12 C19 C29 C33 C37 C41 C45 C49 C53
2	CAPACITOR	CL10B102KBNC	1nF	2	SAMSUNG	C14	C15		
3	CAPACITOR	CL21A106KPFNNNE	10uF	2	SAMSUNG	C25	C26		
4	CAPACITOR	TAJB106M016RNJ	10uF	13	SAMSUNG	C1 C5 C17 C27	C2 C6 C22	C3 C7 C23	C4 C8 C24
5	CAPACITOR	SC1H106M05005	10uF	2	SAMWHA	C55	C56		
6	CAPACITOR	CL10B104KBNC	0.1uF	55	SAMSUNG	DC1 DC5 DC9 DC13 DC17 DC21 DC25 DC29 DC33 DC37 DC41 DC45 DC49 DC53	DC2 DC6 DC10 DC14 DC18 DC22 DC26 DC30 DC34 DC38 DC42 DC46 DC50 DC54	DC3 DC7 DC11 DC15 DC19 DC23 DC27 DC31 DC35 DC39 DC43 DC47 DC51 DC55	DC4 DC8 DC12 DC16 DC20 DC24 DC28 DC32 DC36 DC40 DC44 DC48 DC52
7	RESISTOR	RC1608F302CS	3K_1%	1	SAMSUNG	R45			
8	RESISTOR	RC1608F2871CS	2.87K	1	SAMSUNG	R1			
9	RESISTOR	RC1608F113CS	11K_1%	1	SAMSUNG	R49			
10	RESISTOR		500Ω_1%	12	SAMSUNG	R133 R137 R37	R134 R34 R38	R135 R35 R39	R136 R36 R138
11	RESISTOR	RC1608F202CS	2K_1%	1	SAMSUNG	R128			
12	RESISTOR	RC1608J101CS	100Ω	2	SAMSUNG	R70	R165		
13	RESISTOR	RC1608J103CS	10K	53	SAMSUNG	R2 R10 R14 R18 R22 R26 R30 R71 R80 R89 R100 R106 R119 R168	R3 R11 R15 R19 R23 R27 R31 R72 R82 R92 R102 R110 R121	R4 R12 R16 R20 R24 R28 R65 R75 R85 R93 R104 R114 R161	R5 R13 R17 R21 R25 R29 R68 R77 R86 R97 R105 R117 R162
14	RESISTOR	RC1608J102CS	1K	8	SAMSUNG	R48 R94	R54 R111	R59 R164	R74 R167
15	RESISTOR	RC1608J203CS	20K	2	SAMSUNG	R53	R166		
16	RESISTOR	RC1608F273CS	27K_1%	1	SAMSUNG	R127			
17	RESISTOR	RC1608F563CS	56K_1%	1	SAMSUNG	R58			
18	RESISTOR	RC1608F393CS	39K_1%	1	SAMSUNG	R50			
19	RESISTOR	RC1608F333CS	33K_1%	1	SAMSUNG	R57			
20	RESISTOR	RC1608J103CS	10K	1	SAMSUNG	R56			
21	RESISTOR	RC1608J330CS	33Ω	10	SAMSUNG	R6 R51 R101	R7 R55 R118	R8 R69	R9 R81
22	RESISTOR	RC1608J000CS	0Ω	3	SAMSUNG	R108	R109	R124	
23	RESISTOR	RC1608F2492CS	24.9K_1%	1	SAMSUNG	R95			
24	RESISTOR	CS06JTFVR050	0.05Ω	1	RARA	R88			
25	RESISTOR	RP164PJ330CS	33Ω array	11	SAMSUNG	RN1 RN5 RN9	RN2 RN6 RN10	RN3 RN7 RN11	RN4 RN8


26	DIODE	SP0503BAHT	SP0503BAHT	1	ITTLEFUS	D1			
27	BEAD	HU-1M3216-121JT	FB_3216	3	CTC	L4	L8	L9	
28	BEAD	CIM21J121NE	FB_2012	6	SAMSUNG	L1 L6	L2 L7	L3	L5
29	INDUCTOR	CDRH2D14-4R7	4.7uH	1	SUMIDA	L10			
30	TR	KTN2222S	KTN2222S	2	KEC	Q1	Q2		
31	LED		LED	3		LED1	LED2	LED3	
32	CONNECTOR	USB_B_TYPE_RA	USB_B_CON	1		J8			
33	CONNECTOR	HEADER7X2_RA	HEADER7X2_RA	1	MOLEX	J4			
34	CONNECTOR	MOLEX_6P_RA	MOLEX_6P_RA	2	MOLEX	J3	J10		
35	CONNECTOR	53259_0817	53259_0817	1	MOLEX	J6			
36	CONNECTOR	HP087020	HP087020 (MALE)	2	HUMAN	J1	J7		
37	CONNECTOR	BOX_HEADER_60_RA	BOX_HEADER_60_RA	1	MOLEX	J9			
38	CONNECTOR	BOX_HEADER_16_RA	BOX_HEADER_16_RA	1	MOLEX	J2			
39	IC	MIC29152BU	MIC29152BU	2	MICREL	U1	U2		
40	IC	MIC49150YMM	MIC49150YMM	1	MICREL	U3			
41	IC	MIC5239-1.8YS	MIC5239-1.8YS	1	MICREL	U4			
42	OCS	OSC-25MHz	OSC-25MHz	1	SUNNY	U5			
43	IC	SN74LVC1G14	SN74LVC1G14	1	TI	U6			
44	IC	SP3223EEA	SP3223EEA	4	SPIEX	U7	U9	U12	U15
45	IC	M25P40-VM6TP	M25P40-VM6TP	1	ST	U8			
46	IC	EP2C5Q208C8	EP2C5Q208C8	1	ALTERA	U10			
47	IC	TMS320F2812PGFA	TMS320F2812PGFA	1	TI	U11			
48	IC	CP2102-GM	CP2102-GM	1	SILAB	U13			
49	IC	MAX811SEUS_T	MAX811SEUS_T	1	MAXIM IC	U14			
50	IC	TMP36	TMP36	1	ANALOG	U16			
51	IC	MAX4073AXK-T	MAX4073AXK-T	1	MAXIM IC	U14			
52	IC	IS61LV12816L-10TLI	IS61LV12816L-10TLI	1	ISSI	U18			
53	CAPACITOR	N.C	N.C	2		C57	C58		
54	RESISTOR	N.C	N.C	54		R32 R47 R63 R73 R84 R99 R115 R123 R144 R148 R152 R156 R160 R103	R40 R60 R64 R76 R90 R107 R116 R141 R145 R149 R153 R157 R87 R52	R41 R61 R66 R78 R96 R112 R120 R142 R146 R150 R154 R158 R83	R46 R62 R67 R79 R98 R113 R122 R143 R147 R151 R155 R159 R91
55	TR	KTA1552T	N.C	1		Q3			
56	CAPACITOR	CL10B104KBNC	0.1uF	6	SAMSUNG	C2 C6	C3 C7	C4	C5
57	CAPACITOR	TAJB106M016RNJ	10uF	1	AVX	C1			
58	RESISTOR	RC1608J103CS	10K	1	SAMSUNG	R25			
59	RESISTOR	RC1608J102CS	1K	17	SAMSUNG	R20 R24 R29 R33 R37	R21 R26 R30 R34	R22 R27 R31 R35	R23 R28 R32 R36
60	CONNECTOR	HP087020	HP087020(FEMALE)	2	휴먼전자	J1	J2		
61	IC	KTN2222S	KTN2222S	6	KEC	Q1 Q5	Q2	Q3	Q4
62	LED	LED	LED3P	3		D1	D2	D3	
63	SW	SW	SW	1		SW1			
64	N.C	N.C	N.C	6		U1 U6	U3 U7	U4	U5
65	CONNECTOR	HIF3FB_60DA-2.54DS	BOX HEADER SOCKET	1	HRS	J12			
66	CONNECTOR	90130_1220	9130_1220	1	MOLEX	J14			
67	CONNECTOR	90130_1212	90130_1212	1	MOLEX	J6			
68	CONNECTOR	90130_1214	90130_1214	1	MOLEX	J13			
69	CONNECTOR	90130_1210	90130_1214	1	MOLEX	J5			
70	CONNECTOR	MOLEX_2P_ST_2.54	MOLEX_2P_ST	2	MOLEX	J11	J17		
71	CONNECTOR	MOLEX_5P_ST_2.54	MOLEX_5P_ST	1	MOLEX	J10			
72	CONNECTOR	MOLEX_4P_ST_2.54	MOLEX_4P_ST	1	MOLEX	J18			
73	CONNECTOR	MOLEX_3P_ST_2.54	MOLEX_3P_ST_2.54	1	MOLEX	J19			

SNMP


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	3
										DATE	2008.10.09
NUM	품명	규격	단위	원단위수	제조사	REF NUM				CHANGED	
						R80 R194 R208 R223	R82 R195 R218 R226	R84 R199 R219	R92 R204 R222		
23	RESISTOR	RC1608F103CS	10K_1%	1	SAMSUNG	R69					
24	RESISTOR	RC1608F154CS	150K_1%	1	SAMSUNG	R135					
25	RESISTOR	RC1608F184CS	180K_1%	1	SAMSUNG	R104					
26	RESISTOR	RC1608F1982CS	19.8K	1	SAMSUNG	R165					
27	RESISTOR	RC1608J102CS	1K	5	SAMSUNG	R18 R198	R22	R27	R91		
28	RESISTOR	RC1608F102CS	1K_1%	1	SAMSUNG	R153					
29	RESISTOR	RC1608J201CS	200Ω	6	SAMSUNG	R31 R48	R33 R52	R35	R46		
30	RESISTOR	RC1608J204CS	200K	1	SAMSUNG	R146					
31	RESISTOR	RC1608F3011CS	3.01K_1%	1	SAMSUNG	R100					
32	RESISTOR	RC1608F3831CS	3.83K_1%	1	SAMSUNG	R68					
33	RESISTOR	RC1608J330CS	33Ω	30	SAMSUNG	R7 R11 R21 R47 R57 R76 R85 R94	R82 R12 R29 R50 R58 R78 R86 R98	R9 R13 R32 R51 R62 R81 R87	R10 R14 R34 R55 R74 R83 R93		
34	RESISTOR	RC1608J331CS	330Ω	10	SAMSUNG	R42 R88 R105	R43 R89 R112	R59 R96	R60 R97		
35	RESISTOR	RC1608F4991CS	4.99K	1	SAMSUNG	R40					
36	RESISTOR	RC1608F500CS	50Ω	46	SAMSUNG	R38 R115 R119 R123 R127	R39 R116 R120 R124 R128	R113 R117 R121 R125 R129	R114 R118 R122 R126 R130		

MODEL. NAME		SNMP		DOC.NAME		Part list				SHEET	4
										DATE	2008.10.09
NUM	품명	규격	단위	원단위수	제조사	REF NUM				CHANGED	
						R131 R262 R266 R270 R274 R278 R282	R132 R263 R267 R271 R275 R279 R283	R260 R264 R268 R272 R276 R280	R261 R265 R269 R273 R277 R281		
37	RESISTOR	RC1608G6343CS	634K	1	SAMSUNG	R145					
38	RESISTOR	RC1608J750CS	75Ω	4	SAMSUNG	R284	R285	R286	R287		
39	RESISTOR	RC1608F8872CS	88.7K	1	SAMSUNG	R166					
40	BEAD	CIM21J121NE	FB_2012	5	SAMSUNG	L1 L9	L5	L6	L8		
41	BEAD	HU-1M3216-121JT	FB_3216	1	CTC	L13					
42	INDUCTOR	SD3118_2R2_R	2.2uH	4	COILTRONICS	L11	L14	L17	L18		
43	INDUCTOR	CDRH2D14_4R7	4.7uH	6	SUMIDA	L2 L15	L3 L16	L4	L7		
44	FUSE	FHC16402ADTP	FUSE_1608	3	KAMAYA OHM	F1	F2	F3			
45	DIODE	MBRM110LT1G	MBRM110LT1G	1	ONSEMI	D2					
46	SW	SW	SW	1		SW1					
47	LED	LED	LED	2		LED1	LED2				
48	CON	MOLEX_ST_3P	MOLEX_ST_3P	2		J3	J7				
49	CON	MOLEX_ST_4P	MOLEX_ST_4P	1		J8					
50	CON	53259_0817	53259_0817	1	MOLEX	J1					
51	CON	HP087020	HP087020(MALE)	2	HUMAN	CON1	CON2				
52	TRANSFORMER	TC1_1T	TC1_1T	1		T1					
53	IC	TPS650243	TPS650243	1	TI	U20					
54	CONNECTOR	XRJK_S_04_A_8_0_807	RJ45	1	XMULTIPLE	J6					
55	XTAL	CM200S(32.768KHz)	CM200S(32.768KHz)	1	SUNNY	Y1					
56	XTAL	SX-1(3.6864MHz)	SX-1(3.6864MHz)	1	SUNNY	Y2					
57	IC	ADM6315_29D4ATZR7	ADM6315_29D4ATZR	1	ANALOG	U2					
58	IC	CS8900A-IQ3	CS8900A-IQ3	1	CIRRUS LOGIC	U6					
59	IC	DS3234SN#	DS3234SN#	1	MAXIM IC	U7					
60	IC	HY57V561620FLTP_HI	HY57V561620FLTP_H	2	HYNIX	U4	U13				

MODEL. NAME		SNMP		DOC.NAME		Part list				SHEET	5
										CHANGED	
NUM	품명	규격	단위	원단위수	제조사	REF NUM					
61	IC	IRF7240PBF	IRF7240PBF	1	IRF	Q1					
62	IC	K9F1208U0C-PIB0	K9F1208U0C-PIB0	1	SAMSUNG	U14					
63	IC	KSZ8995MI	KSZ8995MI	1	MICREL	U17					
64	IC	KTN2222S	KTN2222S	1	KEC	U28					
65	IC	EPM3064ATI44	EPM3064ATI44	1	ALTERA	U18					
66	IC	PTH08T260WAZ	PTH08T260WAZ	1	TI	U21					
67	IC	MIC2202YMM	MIC2202YMM	1	MICREL	U15					
67	IC	GDPXA255A0E400	GDPXA255A0E400	1	INTEL	U10					
69	IC	S29GL032A90TFIR3	S29GL032A90TFIR3	1	SPANSION	U8					
70	IC	SN74AHC125PW	SN74AHC125PW	2	TI	U1	U16				
71	IC	SN74LVC16245ADGVR	SN74LVC16245ADGVR	3	TI	U3	U9	U11			
72	IC	SN74LVC245ADGVR	SN74LVC245ADGVR	1	TI	U12					
73	IC	SP3223EEA	SP3223EEA	2		U29	U32				
74	IC	HX1234	HX1234	1	PULSE	U26					
75	IC	25MHz OCS	25MHz OCS	1	SUNNY	Y3					
76	IC	20MHz OCS	20MHz OCS	1	SUNNY	U5					
77	CAPACITOR	N.C	N.C	41		C33 C64 C68 C72 C78 C87 C91 C99 C103 C107 C111	C44 C65 C69 C73 C81 C88 C93 C100 C104 C108	C46 C66 C70 C74 C82 C89 C97 C101 C105 C109	C50 C67 C71 C76 C85 C90 C98 C102 C106 C110		
78	DIODE	1N4148WT	N.C	22		D12 D16 D20 D24 D28	D13 D17 D21 D25 D29	D14 D18 D22 D26 D30	D15 D19 D23 D27 D31		



MODEL. NAME		SNMP		DOC.NAME		Part list				SHEET	6
										DATE	2008.10.09
NUM	품명	규격	단위	원단위수	제조사	REF NUM					
79	RESISTER	N.C	N.C	131		D32 RN11 RN17 RN21 R66 R103 R109 R133 R139 R142 R149 R154 R157 R162 R169 R173 R177 R181 R185 R189 R190 R201 R207 R212 R216 R224 R229 R233 R237 R241 R245 R249 R253	D33 RN14 RN18 R3 R90 R106 R110 R136 R140 R144 R150 R155 R159 R163 R170 R174 R178 R182 R186 R191 R196 R202 R209 R213 R217 R225 R230 R234 R238 R242 R246 R250 R254	RN15 RN19 R45 R95 R107 R111 R137 R141 R147 R151 R156 R160 R167 R171 R175 R179 R183 R187 R192 R197 R205 R210 R214 R220 R227 R231 R235 R239 R243 R247 R251 R255	RN16 RN20 R65 R102 R108 R134 R138 R143 R148 R152 R158 R161 R168 R172 R176 R180 R184 R188 R193 R200 R206 R211 R215 R221 R228 R232 R236 R240 R244 R248 R252 R256		



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	VARISTOR	TVR07560KSY	N.C	2		VC1	VC2				
87	IC	AD7949BCPZ	N.C	1		U25					
88	IC	ADCMF600BRJZ	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			

