# 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,	18pF	1608	Chip Capacitor	Murata	
	C61,C66					
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,	?		Not Inserted		
	C56,C59,C60,C71					
7		100uF/50V/SMD	10	Electrolytic Capacitor	Rubycon	
8		10uF/50V	SMD	Tantal Capacitor	AVX	
9		220nF/100V	3225		Johanson Tech	
10	9 C55,C70,C108,C109,C110, C111,C112,C114,C115	18pF.HQ	2012	High Q Capacitor	Johanson Tech	
11		10pF.HQ	2012	High Q Capcitor	Johanson Tech	
12				High Q Capcitor	Johanson Tech	
13		1.8pF.HQ		High Q Capcitor	Johanson Tech	
14	3 C120,C123,C129	2.4pF.HQ	2012	High Q Capcitor	Johanson Tech	
15		1.5pF.HQ		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		0.5pF.HQ		High Q Capcitor	Johanson Tech	
19		0		Chip Resistor	Kamaya	
20		15nH	2012	Chip Inductor	CeraTech	
22		AG101	SOT89	MMIC AMP	TriQuint	
23		BT05CV		MMIC AMP	Berex	
24		PNP	SOT23	PNP BJT	KEC	
25		MRF6S20010N		LDMOS	FreeScale	
26		AGR19045		LDMOS	TriQuint	
27		43	2012	Chip Resistor	Walsin	
28		12	2012	Chip Resistor	Walsin	
29		33	2012	Chip Resistor	Walsin	
30		1K	2012	Chip Resistor	Walsin	
31		1K VR	3224	Trimming Potentiometer		
32		510	2012	Chip Resistor	Walsin	
33		5.1	2012	Chip Resistor	Walsin	
34		360	2012	Chip Resistor	Walsin	
35		470	2012	Chip Resistor	Walsin	
36		2.2K	2012	Chip Resistor	Walsin	
37		2.4	2012	Chip Resistor	Walsin	
38		100		Chip Resistor	Walsin	
39		180	2012	Chip Resistor	Walsin	
40		27	2012	Chip Resistor	Walsin	
41	2 R69,R66	300	2012	Chip Resistor	Walsin	
42		33/1608	1608	Chip Resistor	Walsin	<u> </u> 
43		40TH/1608	1608	Chip Thermistor	Mitsubishi Materia	(I
45		430 40TH//24(1608)	2012 1608	Chip Resistor Chip Thermistor//Resistor	Walsin	
46		24/1608	1608	Chip Resistor	Walsin	
47		NI235CH				
4/	I UTI	INICOUCH	CH	Isolator	Nanowave	

#### AP1875H1F11\_Control

Item	Q'ty	Reference	Part	Package	Description	Manufacturer	Remark
1	3	C1,C8,C29	18pF.HQ		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,	18pF	1608	Chip Capacitor	Murata	
		C82,C83					
4	5	C4,C10,C17,C20,C72	4.7uF/16V	SMA	Tantal Capacitor	AVX	
5	53	C5,U6,C6,R10,U11,U14,C22,	?		Not Inserted		
		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					
6		C15,C80,C85	100nF	1608	Chip Capacitor	Murata	
7		C73,C18	10nF	1608	Chip Capacitor	Murata	
8		C19	10pF	1608	Chip Capacitor	Murata	
9		C77,C78,C79,C84	1nF	1608	Chip Capacitor	Murata	
10		D1	SMS05T1	SC74	Transient Voltage Suppress	On-Semi	
11		J1	Boxheader-18P-2				
12	1	02	Molex 9PIN		Straight		
13		Q1	NPN		NPN BJT	KEC	
14		R1,R7,R9	10K	2012	Chip Resistor	Kamaya	
15	7	R5,R6,R11,R12,R13,R14,	0	2012	Chip Resistor	Kamaya	
		R48					
16		R8,R21,R24,R27	100K	2012	Chip Resistor	Kamaya	
17		R15,R16,R17	0.1(F)	2012	Chip Resistor	Kamaya	
18	7	R17,R18,R19,R20,R22,R23,	10K(F)	2012	Chip Resistor	Kamaya	
1.0		R26	01/	0010	01: D : 1	17	
19		R25	2K	2012	Chip Resistor	Kamaya	
20		R28	160K	2012	Chip Resistor	Kamaya	
21		R43,R45	300	2012	Chip Resistor	Kamaya	
22		R44	18 24	2012	Chip Resistor	Kamaya	
23		R46		2012	Chip Resistor	Kamaya	
24		R47 U1	36	2012	Chip Resistor	Kamaya	
25		U2	7805		Voltage Regulator	KEC	
26 27		U2 U3	7806		Voltage Regulator	KEC	
		U4	LP2992AIM-5.0V		Voltage Regulator Power MOSFET	National Semi IR	
28		U7	IRF5803				
29		_	LM2904		Dual Operational AMP	National Semi	
30	2	U12,U13	AD8362	1550P16	True Power Detector	Analog Device	

#### PAT1960H30F11

Item	Quantity	Reference	Part	description	package	Manufacturer
16	Qualitity	C183	15p F	description	раскаде	Manufacturer
1	47	C1,C7,C8,C10,C12,C14,C16,	18 pF	-		
	47		16 pF			
		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				
2	8	C2,C17,C30,C35,C56,C75,	100 pF			
		C79.C83				
3	52	C3,C5,C6,C9,C11,C13,C15,C156	1 nF			
Ü	0.2	C18,C21,C23,C25,C28,C31,		chip capacitor	1608	Murata
		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				
4	9	C4,C19,C32,C37,C58,C64,	10 nF			
		C77,C81,C85				
5	1	C184	22n F			
6	3	C65,C111,C119	100 nF			
7	30	HC1,HC3,HC4,HC5,HC6,HC7,	18 pF			
		HC9,HC14,HC21,HC22,HC23,	·			
		HC24.HC25.HC37.HC38.HC44.				
		HC45,HC51,HC52,HC53,HC55,				
		HC57,HC59,HC61,HC63,HC65,				
	- 10	HC67,HC69,HC71,HC73		4		
8	13	HC8,HC16,HC17,HC20,HC30,	2 pF			
		HC32,HC39,HC40,HC46,HC47,				
		HC79,HC80,HC81				
9	8	HC10,HC15,HC29,HC31,HC33,	4 pF	High-Q cap	2012	Johanson Tech.
		HC76,HC77,HC78		riigir Q cap	2012	gonanson reen.
10	1	HC11	3 pF			
11	6	HC13,HC19,HC28,HC34,HC41,	1 pF			
		HC48				
12	2	HC18,HC27	15 pF			
13	12	HC26,HC54,HC56,HC58,HC60,	100 pF			
	. –	HC62,HC64,HC66,HC68,HC70,				
		HC72,HC74				
14	3	HC35,HC42,HC49	0.5 pF			
15	1	HC75	1.5 pF	╡		
	3			Lligh_ ○		+
16		HT1,HT2,HT3	18 pF	High-Q cap	B-Case	Temex
17	3	HT4,HT5,HT6	15 pF	High-Q cap		1
18	16	HV1,HV2,HV3,HV4,HV5,HV6,	220 nF			
	1	HV7,HV8,HV9,HV10,HV11,		High-V cap	4232	Johanson Dielectrics.
		HV12,HV13,HV14,HV15,HV16				
19	15	C33,C38,C42,C43,C44,C61,	16V/4.7 uF			
	1	C66,C102,C105,C132,C135,		Tantal		AVX
		C136,C157,C158,C165				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
				песновне сар		
23	1	L2	22 nH	-1-1-1-1	0010	Johanson
24	1	L3	6.8 nH	chip Inductor	2012	Johanson
25	1	R37	3.3 nH			Johanson
26	1	1 4	100n H	Toroidal Inductor		Kwangsung Electronic

27	27	L1,R5,R7,R10,R21,R41,R46,	0 Ohm			
		R50,R51,R72,R94,R95,R106,				
		R114,R121,R122,R123,R124,				
		R125,R126,R127,R129,R130,				
		R134,R138,R139,R141				
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		0040	NA/ 1 *
34	1	R52	2 Ohm	chip Resistor	2012	Walsin
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	1		
39	4	R79,R81,R89,R91	180 Ohm	{		
39	3	R82,R92,R93	51 Ohm	1		]
40	1	R131	33 kOhm	{		
40	1	R132	68 kOhm	1		
41	4 1	R133,R135,R136,R148	10 kOhm	1		
		R146	1.1 kOhm			
42	1 2	R147	7.5 kOhm	-ki- Desister	2000	\A/-1-:-
42		R15,R142	0 Ohm	chip Resistor	3026	Walsin
43	1 4	R49 R54.R58.R63.R68	5k VR 1k VR	Variable resistor		Burns
	-					
44	3	R28,R32,R36	40 Ohm	Thermistor	1608	Expan Tech.
44	1	R45 D2	1 kOhm 1N5822 SMD	ala a decada de ala		Fate ability
45 45	1			shocky diode		Fair child
46	1	Q1	AG101	Gain block		Watkins-Jonson
46	-	Q2	BC05CV	Gain block		Berex
	1	Q3	MGF0921	GaAs FET		Mitsubishi
47	4	Q4	MRF7S19100NR1 PNP BCE	LDMOS FET PNP		Freescale
48	3	Q5,Q7,Q9,Q11	MRF7S19170HR3	LDMOS FET		KEC
48	1	Q6,Q8,Q10 Q12	NPN BCE	NPN		Freescale KEC
49	1	U2	Max871			Maxim
				Regulator		
49 50	1	U3 U4	Phone isolator_1.96GHz	isolator		Partron
	2		LP2985	Regulator		National S.C
50		U5,U8	XC1900A-03S	coupler		Anaren
51 51	2	U6,U9 U7,U12	XC1900A-05S C16A50Z4	coupler		Anaren
52	2	U10,U11	RFP-60-50-TPC	Term		Anaren
52	1	U14	ISOLATOR	Term		Anaren Nanowave
	2			isolator		
53	1	U15,U16 U19	AD8362 MC7812	Log Amp		Analog Device
53 54	1	U20	MC7812 MC7805	Regulator Regulator		On-semi On-semi
54	1	U21		diode		National S.C.
55	1	U21 U22	SMS05T1G Moley 9 pip	aloae molex		ivational S.C.
	1		Molex 9 pin	molex P mos		International Postifica
55 56	1	U23	IRF4905		1	International Rectifier
56 57	1	U25	LM2596_ADJ DCDC_convertor	Switching Regulator DCDC convertor		National S.C.
- 01		020	DODO_convertor	DODO convertor		goiufflax
58	111	U1,HC2,R4,R6,R8,R9,R11, R12,HC12,U13,R16,U17,R17,	NULL			
			-			
		U18,R18,R19,R20,U24,R40,	-			
		R42,R47,R96,R97,R98,R99,	_			
		R100,R101,R102,R103,C103,	=			
		R104,C104,R105,R107,R108,	=			
	Ī	R109,R110,R111,R112,R113,	=			]
		R115,R116,R117,R118,R119,				
		R120,C124,C125,C126,C127,				
		R128,C128,C129,C130,C131,	=			
I		R137,C137,C138,C139,R140,	-	NULL	NULL	NULL
		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,	1	i l		1
		C188,C189,C190,C191,C192,				
		C188,C189,C190,C191,C192, C193,C194,C195,C196,C197,				
		C188,C189,C190,C191,C192,				

# ICS

#### APOLLEX-2N Sprint CDMA FWD\_\_\_2008/10/

Reference	Maker           삼성전기           AVX           삼성전기           삼성전기           삼성전기           삼성전기           삼성전기           삼성전기           삼성전기           삼성전기           삼성전기           삼성전기
2       9       C5,C14,C20,C29,C47, C50,C73,C76,C79       10 uF/10V/3528/Tantal       T.CAP         3       4       C2,C12,C13,C59       10 nF/X7R/1608       CAP         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         5       17       C4,C8,C9,C25,C33,C43,C44, C54,C56,C58,C63,C64,C66, C68,C71,C80,C87       1 nF/1608       CAP         6       10       C10,C11,C35,C37,C38,C53, C65,C67,C74,C75       100 pF/X7R/1608       CAP         7       1       C17       33 pF/X7R/1608       CAP         8       1       C19       560 pF/X7R/1608       CAP         9       1       C21       180 pF/X7R/1608       CAP         10       2       C24,C22       56 pF/X7R/1608       CAP	AVX 삼성전기 삼성전기 삼성전기 삼성전기 삼성전기 삼성전기 삼성전기
3       4       C2,C12,C13,C59       10 nF/X7R/1608       CAP         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         5       17       C4,C8,C9,C25,C33,C43,C44,C66,C68,C68,C63,C64,C66,C68,C71,C80,C87       1 nF/1608       CAP         6       10       C10,C11,C35,C37,C38,C53,C37,C38,C53,C65,C65,C67,C74,C75       100 pF/X7R/1608       CAP         7       1       C17       33 pF/X7R/1608       CAP         8       1       C19       560 pF/X7R/1608       CAP         9       1       C21       180 pF/X7R/1608       CAP         10       2       C24,C22       56 pF/X7R/1608       CAP	삼성전기 삼성전기 삼성전기 삼성전기 삼성전기 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         5       17       C4,C8,C9,C25,C33,C43,C44, C54,C56,C58,C63,C64,C66, C68,C71,C80,C87       1 nF/1608       CAP         6       10       C10,C11,C35,C37,C38,C53, C65,C67,C74,C75       100 pF/X7R/1608       CAP         7       1       C17       33 pF/X7R/1608       CAP         8       1       C19       560 pF/X7R/1608       CAP         9       1       C21       180 pF/X7R/1608       CAP         10       2       C24,C22       56 pF/X7R/1608       CAP	삼성전기 삼성전기 삼성전기 삼성전기 삼성전기 삼성전기
5       17       C54,C56,C58,C63,C64,C66, C68,C71,C80,C87       1 nF/1608       CAP         6       10       C10,C11,C35,C37,C38,C53, C65,C67,C74,C75       100 pF/X7R/1608       CAP         7       1       C17       33 pF/X7R/1608       CAP         8       1       C19       560 pF/X7R/1608       CAP         9       1       C21       180 pF/X7R/1608       CAP         10       2       C24,C22       56 pF/X7R/1608       CAP	삼성전기 삼성전기 삼성전기 삼성전기
6 10 C65,C67,C74,C75 100 pF/X7R/1608 CAP  7 1 C17 33 pF/X7R/1608 CAP  8 1 C19 560 pF/X7R/1608 CAP  9 1 C21 180 pF/X7R/1608 CAP  10 2 C24,C22 56 pF/X7R/1608 CAP	삼성전기 삼성전기 삼성전기
8     1     C19     560 pF/X7R/1608     CAP       9     1     C21     180 pF/X7R/1608     CAP       10     2     C24,C22     56 pF/X7R/1608     CAP	삼성전기 삼성전기
9 1 C21 180 pF/X7R/1608 CAP 10 2 C24,C22 56 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		
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#### 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		
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			ICU_Digita	l_Partlist						
NUM	품명	규격	단위	원단위수	제조사			REF NUI		
1	CAP	CL10B104KBNC	0.1uF	126	SAMSUMG	DC1 DC6 DC11 DC16 DC21 DC26 DC31 DC36 DC31 DC51 DC56 DC61 DC61 DC76 DC81 DC96 DC101 DC106 DC111 DC116 DC116 DC116 DC116 DC116 DC111 DC116	DC2 DC7 DC12 DC17 DC22 DC27 DC32 DC37 DC42 DC52 DC57 DC62 DC67 DC72 DC77 DC82 DC87 DC92 DC97 DC102 DC102 DC107 DC112 DC117 DC122	DC3 DC8 DC13 DC18 DC23 DC28 DC33 DC38 DC38 DC43 DC58 DC63 DC63 DC78 DC73 DC78 DC83 DC98 DC108 DC113 DC118 DC113	DC4 DC9 DC14 DC19 DC24 DC29 DC34 DC39 DC44 DC59 DC64 DC69 DC74 DC79 DC84 DC99 DC104 DC109 DC114 DC119	DC5 DC10 DC15 DC20 DC25 DC30 DC35 DC40 DC55 DC60 DC65 DC70 DC75 DC80 DC85 DC90 DC95 DC100 DC115 DC110 DC115 DC120 DC125
2	CAP	CL10B104KBNC	0.1uF	43	SAMSUMG	C1 C22 C38 C87 C105 C124 C155 C174 C180	C3 C23 C39 C90 C106 C134 C159 C175 C182	C11 C24 C40 C92 C109 C139 C160 C176 C183	C17 C29 C58 C107 C113 C140 C167 C177	C20 C35 C73 C98 C116 C145 C173 C178
3	CAP	CL10B102KBNC	1nF	55	SAMSUMG	C59 C75 C80 C89 C104 C117 C125 C130 C148 C153	C62 C76 C81 C91 C108 C118 C126 C138 C149 C156	C71 C77 C83 C96 C110 C119 C127 C143 C150 C157	C72 C78 C86 C97 C112 C120 C128 C144 C151 C162	C74 C79 C88 C102 C114 C122 C129 C147 C152 C165
4	CAP	CL10C471JBNC	470pF	4	SAMSUMG	C168 C36	C169 C37	C170 C135	C171 C136	C172
5	CAP	CL10C330JBNC	33pF	2	SAMSUMG	C14	C28	0.00	0.00	
6	CAP	CL10C101JBNC	100pF	3	SAMSUMG	C7	C8	C99		
7	CAP	CL10C390JBNC	39pF	2	SAMSUMG	C27	C12			
8	CAP	CL10C680JBNC	68pF	1	SAMSUMG	C13				
9	CAP	CL10C300JBNC	30pF	1	SAMSUMG	C4				
10	CAP	CL10C180JBNC	18pF	1	SAMSUMG	C5				
11	CAP	CL10B222KBNC	2.2nF	1	SAMSUMG	C181				
12	CAP	0805X106M6R3CT	10uF	4	SAMSUMG	C21	C30	C121	C123	
13	CAP	1206X106K100C	10uF	4	SAMSUMG	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	SAMSUMG	C2	C43	C51		
18	CAP	TAJB475M016RNJ	4.7uF	1	SAMSUMG	C179	1	1		
,,,	CAP	TAJB106M016RNJ	10uF	16	SAMSUMG	C33	C46	C47	C48	C49
19	OAF	I AUD I GOING LOUING	Tour	10	SAMSUNG	C101 C142 C50	C111 C146	C115 C158	C132 C164	C133 C6
20	CAP	NFM21PC474R1C3	NFM21PC474R1C3	10	MURATA	C34 C131	C41 C137	C42 C141	C65 C154	C100 C163
21	CAP		N.C	28		C44 C55 C63 C69 C93 C166	C45 C56 C64 C70 C94 C186	C52 C57 C66 C82 C95 C187	C53 C60 C67 C84 C103	C54 C61 C68 C85 C161

22	RES	RC1608J103CS	10K	7	SAMSUMG	R58	R82	R91	R92	R93
22						R100	R106			
23	RES	RC1608F103CS	10K_1%	1	SAMSUMG	R97				
24	RES	RC1608F101CS	100 1%	2	SAMSUMG	R72	R8			
	RES	RC1608F102CS	1K_1%	7	SAMSUMG	R68	R38	R67	R76	R83
25	TILO	1101000110200	11/21/0	,	O/ IIVIOOIVIO	R86	R99	1107	1170	1100
26	RES	RC1608F122CS	1.2K	1	SAMSUMG	R85	1100		+	
				_			1	+	+	
27	RES	RC1608F363CS	36K_1%	1	SAMSUMG	R62	DOI			
28	RES	RC1608F243CS	24K_1%	2	SAMSUMG	R15	R61		_	
29	RES	WR06X2870FTL	287_1%	1		R64				
30	RES	RC1608F49R9CS	50_1%	9	SAMSUMG	R52	R53	R63	R65	R66
30						R75	R79	R101	R102	
0.1	RES	RC1608J330CS	33	10	SAMSUMG	R36	R37	R47	R55	R69
31						R70	R78	R80	R81	R84
32	RES	RC1608J472CS	4.7K	2	SAMSUMG	R35	R95	1100	1101	1104
			200	1		R94	กย่ว	+	+	
33	RES	RC1608J201CS		_	SAMSUMG					
34	RES	RC1608F2212CS	22.1K_1%	1	SAMSUMG	R2				
35	RES	RC1608J104CS	100K	1	SAMSUMG	R3				
36	RES	RC1608F273CS	27K_1%	1	SAMSUMG	R18				
37	RES	RC1608F823CS	82K_1%	1	SAMSUMG	R17				
38	RES	RM06FTN4992	50k	2		R4	R6			
39	RES	WR06X3741FTL	3.7K	1		R9				
40	RES	RC1608F153CS	15K_1%	2	SAMSUMG	R16	R60			1
41	RES	RC1608F183CS	18K_1%	1	SAMSUMG	R59	1100	1	-	+
41							D44	DE	D.C. 4	DEC
42	RES	RC1608F151CS	150_1%	6	SAMSUMG	R43	R44	R51	R54	R56
	ļ					R57				1
43	RES	RC1608J623CS	62K	2	SAMSUMG	R42	R45			
44	RES	RC1608F820CS	80	1	SAMSUMG	R46				
45	RES	RC1608J000CS	0	1	SAMSUMG	R49				
	RES	RP164PJ330CS	33	8	SAMSUMG	RN4	RN5	RN6	RN7	RN8
46	1				3,301410	RN9	RN10	RN11	,	1
	DEO		N. O.	4.5					D10	D11
	RES		N.C	45		R1	R5	R7	R10	R11
						R12	R13	R14	R19	R20
						R21	R22	R23	R24	R25
						R26	R27	R28	R29	R30
47						R31	R32	R33	R34	R39
						R40	R41	R48	R50	R71
						R73	R74	R77	R87	R88
						R89	R90	R96	R98	R103
						R104	R105	RN1	RN2	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			
	IND	CIM21J121NE	FB_2012	11		L13	L16	L18	L9	L10
53	IIVD	OIME TO TE TIVE	1 5_2012	'''		L15	L17	L19	L20	L21
55							LI/	LIS	L20	LZI
	1				-	L22	<del> </del>	+	-	-
54			N.C	2		L12	L14	1		+
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							
59			MDDDDQQQLL4G	1	ON SEMI	D1				LED5
60					ON SEMI		LED2	LED3	LFD4	
		N.C	N.C	5	ON SEMI	LED1	LED2	LED3	LED4	LLDO
	000	N.C N.C	N.C N.C	5 3		LED1 Q1	LED2 Q2	LED3 Q3	LED4	LLDO
61	OCS	N.C N.C DX-5	N.C N.C 25MHz	5 3 1	ON SEMI SUNY	LED1 Q1 Y1			LED4	LEBO
61 62	OCS TRANSFORMER	N.C N.C DX-5 MABA_007159_000000	N.C N.C 25MHz MABA_007159_000000	5 3 1		LED1 Q1 Y1 T1	Q2		LED4	
61 62 63	TRANSFORMER	N.C N.C DX-5 MABA_007159_000000 N.C	N.C N.C 25MHz MABA_007159_000000 N.C	5 3 1	SUNY	LED1 Q1 Y1 T1 T2			LED4	
61 62		N.C N.C DX-5 MABA_007159_000000	N.C N.C 25MHz MABA_007159_000000	5 3 1		LED1 Q1 Y1 T1	Q2		LED4	
61 62 63	TRANSFORMER	N.C N.C DX-5 MABA_007159_000000 N.C	N.C N.C 25MHz MABA_007159_000000 N.C	5 3 1 1 2	SUNY	LED1 Q1 Y1 T1 T2	Q2		LED4	
61 62 63 64 65	TRANSFORMER CAP	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C	5 3 1 1 2	SUNY	LED1 Q1 Y1 T1 T2 SW1 F1	Q2		LED4	
61 62 63 64 65 66	CAP EMI	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01	5 3 1 1 2 1 1	SUNY SAMSUMG MURATA	LED1 Q1 Y1 T1 T2 SW1 F1 U3	Q2 T3		LED4	
61 62 63 64 65 66	CAP  EMI IC	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01 LTM4600IV#PBF	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600IV#PBF	5 3 1 1 2 1 1 1 2	SUNY SAMSUMG MURATA LINEAR	LED1 Q1 Y1 T1 T2 SW1 F1 U3	Q2		LED4	
61 62 63 64 65 66 67 68	CAP  EMI IC IC	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01 LTM4600N#PBF AD9446BSVZ-80	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80	5 3 1 1 2 1 1 1 2 1	SUNY SAMSUMG MURATA LINEAR ANALOG	LED1 Q1 Y1 T1 T2 SW1 F1 U3 U1	T3 U2	Q3		
61 62 63 64 65 66 67 68	CAP  EMI IC IC IC	N. C N. C DX-5 MABA_007159_000000 N. C CL31B104KBNC N. C BNX012-01 LTM46001/#PBF AD9446BSVZ-80 MIC5209YM	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM	5 3 1 1 2 1 1 1 2 1 1 4	SUNY SAMSUMG MURATA LINEAR ANALOG MICREL	LED1 Q1 Y1 T1 T2 SW1 F1 U3 U1 U4	Q2 T3		LED4	
61 62 63 64 65 66 67 68 69 70	CAP  EMI IC IC IC IC IC	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01 LTM4600I/#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600lV#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020	5 3 1 1 2 1 1 1 2 1 1 2 1 4	SUNY  SAMSUMG  MURATA LINEAR ANALOG MICREL ALTERA	LED1 Q1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70	TRANSFORMER  CAP  EMI IC IC IC IC IC IC	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM FP2S90F1020 CDCM1804RGET	5 3 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1	SUNY  SAMSUMG  MURATA LINEAR ANALOG MICREL ALTERA TI	LED1 Q1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7 U14	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70	CAP  EMI IC IC IC IC IC	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01 LTM4600I/#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600lV#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020	5 3 1 1 2 1 1 1 2 1 1 2 1 4	SUNY  SAMSUMG  MURATA LINEAR ANALOG MICREL ALTERA	LED1 Q1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70	TRANSFORMER  CAP  EMI IC IC IC IC IC IC	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM FP2S90F1020 CDCM1804RGET	5 3 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1	SUNY  SAMSUMG  MURATA LINEAR ANALOG MICREL ALTERA TI	LED1 Q1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7 U14	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70 71 72 73	TRANSFORMER  CAP  EMI IC IC IC IC IC IC IC IC IC	N. C N. C DX-5 MABA_007159_00000 N. C CL31B104KBNC N. C BNX012-01 LTM46001/#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS20C6713BZDPA-200 ADM6315-29D4ATZR7	N.C N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM46001V#PBF AD9446BSVZ-80 MICS209YM EP2S90F1020 CDCM1804RGET TMS320C6713B ADM6315	5 3 1 1 2 1 1 1 2 1 1 4 1 1 1 1 1 1 1 1 1 1	SUNY  SAMSUMG  MURATA LINEAR ANALOG MICREL ALTERA TI TI ANALOG	LED1 Q1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7 U14 U15 U18	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70 71 72 73	TRANSFORMER  CAP  EMI IC	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS320C6713BZDPA-200 ADM6315-29D4ATZR7 AD9779ABSVZ	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS320C6713B AD9479ABSVZ	5 3 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 2 1	SUNY  SAMSUMG  MURATA LINEAR ANALOG ALTERA TI TI ANALOG ANALOG	LED1 Q1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7 U14 U15 U15 U15 U18 U19	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70 71 72 73 74	TRANSFORMER  CAP  EMI IC	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS320C6713BZDPA-200 ADM6315-29D4ATZR7 AD9779ABSVZ MAX6690MEE+T	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS320C6713B ADM6315 AD9779ABSVZ MAX6690	5 3 1 1 2 1 1 1 2 1 1 4 1 1 1 1 1 1 1 1 1 1	SUNY  SAMSUMG  MURATA LINEAR ANALOG MICREL ALTERA TI TI ANALOG ANALOG MAXIM	LED1 Q1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7 U14 U15 U17 U14 U15 U18 U18 U19 U19 U19 U20	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75	TRANSFORMER  CAP  EMI IC	N. C N. C DX-5 MABA_007159_00000 N. C CL31B104KBNC N. C BNX012-01 LTM46001#PBF AD9446B8VZ-80 MIC5209YM EP2890F1020 CDCM1804RGET TMS320C6713BZDPA-200 ADM6315-29D4ATZR7 AD9779ABSVZ MAX6690MEE+T SN74AHC125PW	N.C N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM46001V#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS320C6713B AD9779ABSVZ MAX6690 SN74AHC125PW	5 3 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1	SUNY  SAMSUMG  MURATA LINEAR ANALOG ALTERA TI TI ANALOG ANALOG	LED1 O1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7 U14 U15 U18 U19 U19 U19 U20 U21	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	TRANSFORMER  CAP  EMI IC	N. C N. C DX-5 MABA_007159_000000 N. C CL31B104KBNC N. C BNX012-01 LTM46001/#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS320C6713BZDPA-200 ADM6315-29D4ATZR7 AD9779ABSVZ MAX6690MEE+T SN74AHC125PW SP3223EEA	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM46001W#PBF AD9446BSVZ-80 MICS209YM EP2S90F1020 CDCM1804RGET TMS320C6713B ADM6315 AD9779ABSVZ MAX6690 SN74AHC125PW SP3223EEA	5 3 1 1 1 2 1 1 1 2 1 1 1 4 1 1 1 1 1 1 1 1	SUNY  SAMSUMG  MURATA LINEAR ANALOG MICREL ALTERA TI ANALOG ANALOG MAXIM TI	LED1 O1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7 U14 U15 U15 U19 U19 U20 U21 U22	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	TRANSFORMER  CAP  EMI IC	N.C N.C DX-5 MABA_007159_000000 N.C CL31B104KBNC N.C BNX012-01 LTM4600IV#PBF AD9446B5VZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS320C6713BZDPA-200 ADM6315-29D4ATZR7 AD9779ABSVZ MAX6690MEE+T SN74AHC125PW SP3223EEA S29GL032A90TFIR3	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM4600IV#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS320C6713B ADM6315 AD9779ABSVZ MAX6690 SN74AHC125PW SP3223EEA S29GL032A90TFIR3	5 3 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1	SUNY  SAMSUMG  MURATA LINEAR ANALOG MICREL ALTERA TI TI ANALOG ANALOG MAXIM TI  SPANSION	LED1 O1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7 U14 U15 U7 U14 U15 U19 U20 U21 U22 U23	T3 U2	Q3		
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	TRANSFORMER  CAP  EMI IC	N. C N. C DX-5 MABA_007159_000000 N. C CL31B104KBNC N. C BNX012-01 LTM46001/#PBF AD9446BSVZ-80 MIC5209YM EP2S90F1020 CDCM1804RGET TMS320C6713BZDPA-200 ADM6315-29D4ATZR7 AD9779ABSVZ MAX6690MEE+T SN74AHC125PW SP3223EEA	N.C N.C 25MHz MABA_007159_000000 N.C 0.1uF_3216 N.C BNX012-01 LTM46001W#PBF AD9446BSVZ-80 MICS209YM EP2S90F1020 CDCM1804RGET TMS320C6713B ADM6315 AD9779ABSVZ MAX6690 SN74AHC125PW SP3223EEA	5 3 1 1 1 2 1 1 1 2 1 1 1 4 1 1 1 1 1 1 1 1	SUNY  SAMSUMG  MURATA LINEAR ANALOG MICREL ALTERA TI ANALOG ANALOG MAXIM TI	LED1 O1 Y1 T1 T2 SW1 F1 U3 U1 U4 U5 U7 U14 U15 U15 U19 U19 U20 U21 U22	T3 U2	Q3		U25

## PSU

# 문서 번호 H651 - E001 MODEL NAME 미국향 PSU MODEL NO. MPS - H651 ISSUE 0

### PART LIST

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	ISSUE	0	┃ ┃ 업체명 : 에어 포	[인트 작성일 : 2008년	10월 02일		
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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 MODEL NAME 미국향 PSU MODEL NO. MPS - H651 ISSUE 0

## PART LIST

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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-channal 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
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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 / 0.1 µF)	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	(35ф 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	(12.5¢ X 25)
61	C40,41	CAP - EL	KXL 1C VB 222 M	KXL 16V / 2200uF 105℃	SAMYOUNG	2EA	(12.5¢ X 25)
62	C43	CAP - EL	KXL 1C VB 102 M	KXL 16V / 1000uF 105℃	SAMYOUNG	1EA	(10¢ X 20)
63	C30,31,32	CAP - EL	KXL 1A VB 682 M	KXL 10V / 6800uF 105℃	SAMYOUNG	3EA	(16ф X 31.5)
64	C36	CAP - EL	KXL 1A VB 332 M	KXL 10V / 3300uF	SAMYOUNG	1EA	(12.5¢ 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 MODEL NAME 미국향 PSU MODEL NO. MPS - H651 ISSUE 0

### PART LIST

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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	1 kΩ	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	3ф	FOR U1,Q3,Q4	A – PAX	3EA	

M	문서 번호 ODEL NAME	H651 - E005 미국향 PSU	_	PART LIST		작 성	검 토 승 인
	MODEL NO.	MPS - H651	]				
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NO	DRAW NO	품 명	PARTS NAME	DESCRIPTION	VENDOR	Q'TY	REMARKS
97	MPS - H651	PCB	SUB-1 PCB	FR4 양면 1.6t 2oz (RoHS적용)	하도전자	1EA	REV - 0
98	CN6_B	CONNECTOR	5268- 05A - X	2.5 PITCH	MOLEX	1EA	
99	LED1 (AC)	LED	5Ø GREEN	5Ø	NEW LIGHT	1EA	
100	LED2 (DC)	LED	5Ø YELLOW	5Ø	NEW LIGHT	1EA	
101	LED3 (ALM)	LED	5Ø RED	5Ø	NEW LIGHT	1EA	
102	FOR LED1,2,3	LED HOLDER	PCB103	3Ø LED HOLDER	경상정밀	3EA	

#### 문서 번호 H651 - E006 MODEL NAME 미국향 PSU MODEL NO. MPS - H651 ISSUE 0

## PART LIST

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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	

## RCU

#### **RCU Partlist**

CAPACITOR   CL168194KBNC   0.1u F   37   SAMSUNG   C9   C10   C11   C12   C12   C26   C29   C21   C28   C29   C29   C21   C28   C29   C29   C21   C28   C29   C2	CAPACITOR   CL19B104KBNC   Q.1uF   37   SAMSUNG   CS   C10   C11   C12   C12   C28   C29   C24   C48   C49   C44   C45   C46   C47   C48   C49   C49   C48   C49   C49   C48   C49   C49   C48   C49   C49	_				RCU Pa						
C18	C13		NUM	품명	규격	단위	수량	제조사		REF	NUM	
C18	C13		1	CAPACITOR	CL10B104KBNC	0.1uF	37	SAMSLING	C9	C10	C11	C12
C20   C21   C28   C28   C32   C32   C32   C33   C34   C35   C36   C37   C38   C38   C38   C36   C37   C38   C38	C20		'	0/11/1011011	GETOBTO INDITO	0.141	07	o/ tiviociva				
C30   C31   C32   C33   C36   C37   C38   C39   C40   C41   C42   C43   C44   C45   C42   C43   C44   C45   C45   C47   C48   C49   C49	C30								C13	C16	C18	
C30   C31   C32   C33   C36   C37   C38   C39   C40   C41   C42   C43   C44   C45   C42   C43   C44   C45   C45   C47   C48   C49   C49	C30								C20	C21	C28	C29
C34   C35   C36   C37   C34   C35   C36   C37   C34   C34   C41   C42   C43   C44   C45   C46   C47   C48   C47   C48   C47   C48   C47   C48   C47   C47	C34											
CAPACITOR   CLIOBIO2KBNC   1nF   2	C38											
C42	C42								C34	C35	C36	C37
C42	C42	1	J				1					
C46	C46   C47   C48   C49   C59   C51   C52   C53   C53   C54   C52   C53   C54   C55   C56   C57   C48   C47   C47											
CSO   C51   C52   C53	C50								C42	C43	C44	C45
CSO   C51   C52   C53	C50								C46	C47	C48	C49
C	CAPACITOR   CL10B102KBNC   1nF   2   SAMSUNG   C14   C15											
2   CAPACITOR   CL10B102KRNC   1nF   2   SAMSUNG   C14   C15	2 CAPACITOR   CLIORIDERENC   1nF   2 SAMSUNG   C14   C15									Col	U52	U53
2   CAPACITOR   CL10B102KRNC   1nF   2   SAMSUNG   C14   C15	2 CAPACITOR   CLIORIDERENC   1nF   2 SAMSUNG   C14   C15								C54			İ
S   CAPACITOR   CL214106KPNINE   10UF   2   SAMSUNG   C25   C26   C27   C22   C23   C24   C27   C22   C25   C26   C27   C22   C23   C24   C27   C27   C22   C23   C24   C27   C22   C23   C24   C27   C26   C26   C27   C26   C26   C27   C26   C26   C26   C27   C26   C26   C26   C27   C26   C26   C26   C27   C26   C26   C26   C26   C26   C27   C26    S. CAPACITOR   CL214106KPNNE   10uF   2   SAMSUNG   C2   C2   C3   C4		2	CAPACITOR	CL10B102KBNC	1nF	2	SAMSLING		C15			
A CAPACITOR   TAJB106M016RNJ   10uF   13   SAMSUNG   C1   C2   C3   C4   C27   C22   C23   C24   C27   C27	4   CAPACITOR   TAJB106M016RNJ   10uF   13   SAMSUNG   C1   C2   C3   C4   C7   C8   C6   C7   C8   C6   C7   C8   C7   C8   C8   C7   C8   C8	-										
CAPACITOR   SCIH106M05005   10uF   2   SAMWHA   C55   C56   C7   C82   C24   C27   C27   C22   C23   C24   C27   C28	SCAPACITOR   SCIHIOSMOSOS   10uF   2   SAMWHA   C55   C56   C7   C28   C27   C22   C27   C24   C27   C28   C27   C24   C27   C28   C27   C24   C27   C28   C27   C28		3	CAPACITOR	CL21A106KPFNNNE	10uF	2	SAMSUNG	C25	C26		
CAPACITOR   SCIH106M05005   10uF   2   SAMWHA   C55   C56   C7   C82   C24   C27   C27   C22   C23   C24   C27   C28	SCAPACITOR   SCIHIOSMOSOS   10uF   2   SAMWHA   C55   C56   C7   C28   C27   C22   C27   C24   C27   C28   C27   C24   C27   C28   C27   C24   C27   C28   C27   C28		4	CAPACITOR	TAJB106M016RNJ	10uF	13	SAMSLING	C1	C2	C3	C.4
S   CAPACITOR   SCIHI06M05005   10uF   2   SAMWHA   CS5   CS6   CS7   CS6   CS7   CS6   CS7   CS6   CS6   CS6   CS6   CS6   CS7   CS6   CS6   CS6   CS6   CS7   CS6   CS6   CS6   CS7   CS6   CS6   CS6   CS7   CS6   CS6   CS6   CS7   CS6   CS6   CS6   CS6   CS7   CS6	CAPACITOR   SCIHID6M05005   10uF   2   SAMWHA   C55   C56		0/11/1011/011	17.02100.0010101.00	1001	10	0/ IIII00110					
S CAPACITOR   SCIHIO6M05005   10uF   2   SAMWHA   C55   C56   C30   C54   C55   C56   C57   C56   C56   C56   C57   C56   C56   C57   C56   C56   C56   C57   C56   C5	S. CAPACITOR   SCI-HIOGMOSODS   10uF   2   SAMWHA   C55   C56   D3   DC4											
S CAPACITOR   SCIHI06M05005   10uF   2   SAMWHA   C55   C56   C57   C56   C56   C56   C57   C56   C56   C57   C56   C56   C57   C56   C5	S CAPACITOR   SCIHIO6M05005   10uF   2   SAMWHA   C55   C56   D3   DC4								C17	C22	C23	C24
S CAPACITOR	S CAPACITOR   SCIHIOEMOSOOS   10uF   2   SAMSUNG   DCI   DC2   DC3   DC4   DC5   DC6   DC6   DC7   DC8   DC7   DC8   DC1   DC12   DC13   DC14   DC15   DC16   DC17   DC18   DC19   DC10   DC17   DC18   DC19   DC10   DC17   DC18   DC19   DC10   DC17   DC18   DC19   DC20   DC23   DC24   DC25   DC26   DC27   DC28   DC29   DC23   DC24   DC25   DC26   DC27   DC28   DC29   DC30   DC31   DC32   DC34   DC35   DC36   DC37   DC38   DC39   DC30   DC31   DC32   DC34   DC35   DC36   DC37   DC38   DC39   DC30   DC31   DC32   DC34   DC35   DC36   DC37   DC38   DC39   DC40   DC44   DC45   DC46   DC47   DC48   DC44   DC45   DC46   DC47   DC48   DC44   DC45   DC46   DC47   DC48   DC55   DC5								C27			
CAPACITOR   CL10B104KBNC   CL10B	CAPACITOR   CL10B104KBNC   CL10B10	-										
DC5	DC   DC   DC   DC   DC   DC   DC   DC		5	CAPACITOR	SC1H106M05005	10uF	2	SAMWHA	C55	C56		
DC5	DC   DC   DC   DC   DC   DC   DC   DC		6	CAPACITOR	CL10B104KBNC	0.1uF	55	SAMSLING	DC1	DC2	DC3	DC4
DCG	DCG		O	0/11/1011011	GETOBTO INBITO	0.141	00	o/ tiviociva				
DC13	DC11											
DC13	DC11	1					1		DC9	DC10	DC11	DC12
DC17   DC18   DC29   DC20   DC22   DC25   DC26   DC26   DC26   DC26   DC26   DC26   DC26   DC26   DC27   DC28   DC26   DC28   DC30   DC31   DC32   DC32   DC33   DC34   DC35   DC36   DC37   DC38   DC39   DC30   DC31   DC32   DC32   DC34   DC35   DC36   DC37   DC38   DC39   DC40   DC41   DC42   DC48   DC46   DC47   DC48   DC53   DC54   DC55   DC52   DC52   DC52   DC52   DC52   DC52   DC52   DC52   DC52   DC53   DC54   DC55   DC54   DC55   DC52   DC53   DC54   DC55   DC54   DC55   DC52   DC55   DC54   DC55   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC55   DC54   DC55	DC17 DC18 DC19 DC20 DC24 DC25 DC26 DC27 DC28 DC24 DC25 DC26 DC26 DC26 DC26 DC26 DC26 DC26 DC26	1			ľ		1	1				
DC21   DC22   DC23   DC24   DC25   DC26   DC27   DC28   DC26   DC26   DC27   DC28   DC29   DC30   DC31   DC32   DC35   DC36   DC37   DC38   DC35   DC36   DC37   DC38   DC35   DC36   DC37   DC38   DC35   DC36   DC37   DC38   DC36   DC37   DC38   DC36   DC37   DC38   DC36   DC37   DC38   DC36   DC41   DC42   DC43   DC44   DC45   DC46   DC47   DC48   DC49   DC50   DC51   DC52   DC56   DC51   DC52   DC56   DC51   DC52   DC56   DC51   DC52   DC58   DC56   DC51   DC52   DC55   DC51   DC52   DC51   DC51   DC52   DC51   DC52   DC51   DC51   DC52   DC51	DC21 DC22 DC23 DC24 DC27 DC28   DC26 DC27 DC28   DC29 DC29 DC20 DC27 DC28   DC29 DC29 DC30 DC31 DC32 DC35 DC36   DC37 DC38 DC35 DC36   DC37 DC38 DC39 DC40 DC41 DC42 DC43 DC44 DC45 DC46 DC47 DC48 DC49 DC50 DC51 DC52 DC46 DC47 DC48 DC49 DC50 DC51 DC52 DC51 DC52 DC52 DC52 DC51 DC52 DC52 DC52 DC51 DC52 DC52 DC52 DC51 DC52 DC52 DC52 DC51 DC52 DC52 DC52 DC52 DC52 DC52 DC52 DC52	1					1					
DC21   DC22   DC23   DC24   DC25   DC26   DC27   DC28   DC26   DC26   DC27   DC28   DC29   DC30   DC31   DC32   DC35   DC36   DC37   DC38   DC35   DC36   DC37   DC38   DC35   DC36   DC37   DC38   DC35   DC36   DC37   DC38   DC36   DC37   DC38   DC36   DC37   DC38   DC36   DC37   DC38   DC36   DC41   DC42   DC43   DC44   DC45   DC46   DC47   DC48   DC49   DC50   DC51   DC52   DC56   DC51   DC52   DC56   DC51   DC52   DC56   DC51   DC52   DC58   DC56   DC51   DC52   DC55   DC51   DC52   DC51   DC51   DC52   DC51   DC52   DC51   DC51   DC52   DC51	DC21 DC22 DC23 DC24 DC27 DC28   DC26 DC27 DC28   DC29 DC29 DC20 DC27 DC28   DC29 DC29 DC30 DC31 DC32 DC35 DC36   DC37 DC38 DC35 DC36   DC37 DC38 DC39 DC40 DC41 DC42 DC43 DC44 DC45 DC46 DC47 DC48 DC49 DC50 DC51 DC52 DC46 DC47 DC48 DC49 DC50 DC51 DC52 DC51 DC52 DC52 DC52 DC51 DC52 DC52 DC52 DC51 DC52 DC52 DC52 DC51 DC52 DC52 DC52 DC51 DC52 DC52 DC52 DC52 DC52 DC52 DC52 DC52	1					1		DC17	DC18	DC19	DC20
DC25   DC26   DC27   DC28   DC28   DC29   DC30   DC31   DC32   DC34   DC35   DC36   DC37   DC32   DC34   DC35   DC36   DC37   DC38   DC39   DC40   DC41   DC42   DC43   DC44   DC45   DC52   DC52   DC52   DC52   DC52   DC52   DC52   DC52   DC53   DC54   DC55   DC52   DC52   DC52   DC53   DC54   DC55   DC52   DC55	DC25	1					1					
DC29   DC30   DC31   DC32   DC34   DC35   DC36   DC36   DC37   DC36   DC37   DC36   DC37   DC46   DC41   DC42   DC43   DC44   DC45   DC46   DC47   DC48   DC47   DC48   DC49   DC50   DC51   DC52   DC51   DC52	DC29   DC30   DC31   DC32   DC36   DC35   DC36   DC36   DC36   DC37   DC38   DC39   DC40   DC41   DC42   DC43   DC44   DC45   DC46   DC47   DC48   DC49   DC44   DC45   DC46   DC47   DC48   DC49   DC44   DC45   DC46   DC47   DC48   DC49   DC50   DC55   DC55   DC52   DC55   DC52   DC55	1			ľ		1	1				
DC33   DC34   DC35   DC36   DC37   DC37   DC37   DC37   DC37   DC38   DC39   DC40   DC41   DC42   DC43   DC44   DC45   DC46   DC47   DC49   DC50   DC51   DC52   DC54   DC55   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC55   DC54   DC55   DC55   DC54   DC55   DC55   DC55   DC54   DC55   DC56	DC33 DC34 DC35 DC36 DC36 DC37 DC38 DC39 DC40 DC41 DC42 DC43 DC44 DC45 DC45 DC46 DC45 DC46 DC47 DC45 DC49 DC50 DC40 DC45 DC49 DC50 DC50 DC51 DC52 DC50 DC50 DC50 DC51 DC52 DC50 DC50 DC50 DC50 DC50 DC50 DC50 DC50	ĺ					1		DC25	DC26	DC27	DC28
DC33   DC34   DC35   DC36   DC39   DC40	DC33 DC34 DC35 DC36 DC36 DC37 DC38 DC39 DC34 DC41 DC42 DC43 DC44 DC45 DC45 DC46 DC47 DC45 DC49 DC50 DC49 DC50 DC51 DC52 DC52 DC54 DC53 DC54 DC55 DC56 DC56 DC56 DC56 DC56 DC56 DC56	1					1		DC29	DC30	DC31	DC32
DC37	DC37	1	J				1					
DC41 DC42 DC43 DC46 DC47 DC48 DC49 DC46 DC47 DC48 DC49 DC46 DC47 DC48 DC49 DC50 DC51 DC52 DC51 DC52 DC53 DC51 DC52 DC53 DC54 DC55 DC55	DC41	1	J				1					
DC41 DC42 DC43 DC46 DC47 DC48 DC49 DC46 DC47 DC48 DC49 DC46 DC47 DC48 DC49 DC50 DC51 DC52 DC51 DC52 DC53 DC51 DC52 DC53 DC54 DC55 DC55	DC41								DC37	DC38	DC39	DC40
DC45 DC47 DC48 DC50 DC51 DC52 DC52 DC52 DC52 DC52 DC52 DC52 DC52	DC45   DC46   DC46   DC47   DC50   DC51   DC52   DC53   DC54   DC52   DC52   DC53   DC54   DC52   DC52   DC53   DC54   DC55   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC54   DC55   DC55   DC54   DC55   DC54   DC55											
CDC49	DC49   DC50   DC51   DC52   DC52   DC55   DC53   DC54   DC55											
Resistor   RC1608F302CS   3K.1%   1   SAMSUNG   R45    PC53   DC54   DC55								DC45	DC46	DC47	DC48	
Resistor   RC1608F302CS   3K.1%   1   SAMSUNG   R45    PC53   DC54   DC55								DC49	DC50	DC51	DC52	
RESISTOR   RC1608F302CS   3K.1%   1   SAMSUNG   R45	RESISTOR   RC1608F302CS   3K.1%   1   SAMSUNG   R15											DOOL
RESISTOR   RC1608F2871CS   2.87K	RESISTOR   RC1608F2871CS   2.87K   1   SAMSUNG   R1   R1   R135   R136   R137   R34   R35   R36   R37   R38   R39   R138   R137   R38   R39   R138   R139   R138								DC53	DC54	DC55	
RESISTOR   RC1608F2871CS   2.87K	RESISTOR   RC1608F2871CS   2.87K   1   SAMSUNG   R1   R1   R135   R136   R137   R34   R35   R36   R37   R38   R39   R138   R137   R38   R39   R138   R139   R138		7	RESISTOR	RC1608F302CS	3K 1%	1	SAMSUNG	R45			İ
Page   Page	RESISTOR   RC1608F113CS   11K_1%   1   SAMSUNG   R49   R49   R51STOR   R65ISTOR											
10   RESISTOR     500Q_1%   12   SAMSUNG   R133   R134   R135   R36   R36   R37   R38   R37   R38   R39   R37   R38   R39   R37   R38   R39   R39   R33   R34   R35   R36	10   RESISTOR     500Ω-1%   12   SAMSUNG   R133   R134   R135   R136   R36   R37   R38   R39   R138   R39   R138   R31   R34   R35   R36   R36   R37   R38   R39   R3	-						_				
RESISTOR   RC1608F202CS   2K_1%   1   SAMSUNG   R128   R138   R39   R39   R39   R39   R30   R31   R4   R5   R16   R17   R18   R19   R10   R11   R12   R13   R14   R15   R16   R17   R18   R19   R20   R21   R22   R23   R24   R25   R26   R27   R28   R29   R30   R31   R65   R68   R39   R39   R31   R65   R68   R39	RESISTOR   RC1608F202CS   2K_1%   1   SAMSUNG   R128   R138   R35   R36   R138   R148   R158   R165   R16		9	RESISTOR	RC1608F113CS	11K_1%	1	SAMSUNG	R49			
RESISTOR   RC1608F202CS   2K_1%   1   SAMSUNG   R128   R138   R39   R39   R39   R39   R30   R31   R4   R5   R16   R17   R18   R19   R10   R11   R12   R13   R14   R15   R16   R17   R18   R19   R20   R21   R22   R23   R24   R25   R26   R27   R28   R29   R30   R31   R65   R68   R39   R39   R31   R65   R68   R39	RESISTOR   RC1608F202CS   2K_1%   1   SAMSUNG   R128   R138   R35   R36   R138   R148   R158   R165   R16		10	RESISTOR		500Ω 1%	12	SAMSUNG	R133	R134	R135	R136
RESISTOR   RC1608F202CS   2K_1%   1   SAMSUNG   R128   R138   R139   R138   R138   R138   R139   R138   R138   R139   R138   R148   R15   R168   R174   R115   R168   R174   R115   R168   R178   R188   R199   R128   R228   R238   R248   R258   R268   R27   R288   R298   R309   R318   R65   R688   R398   R39	RESISTOR   RC1608F202CS   2K,1%   1   SAMSUNG   R128   R		10	TILOIOTOTT		00000_170	1-	0/ IIII00110				
11   RESISTOR   RC1608F202CS   2K.1%   1   SAMSUNG   R128	11											
11   RESISTOR   RC1608F202CS   2K.1%   1   SAMSUNG   R128	11								R37	R38	R39	R138
12   RESISTOR   RC1608J101CS   100	12   RESISTOR   RC1608J101CS   100Q   2   SAMSUNG   R70   R165   R165   R1608J103CS   10K   53   SAMSUNG   R2   R3   R4   R5   R10   R11   R12   R13   R14   R15   R16   R17   R14   R15   R16   R17   R18   R19   R20   R21   R22   R23   R24   R25   R26   R27   R28   R29   R30   R31   R65   R68   R30   R31   R30   R30   R31   R30   R30   R31   R30   R3		11	DECICTOR	BC1608E202CS	2K 1%	1	CAMCLING				
13   RESISTOR   RC1608J103CS   10K   53   SAMSUNG   R2   R3   R4   R5   R10   R11   R12   R13   R14   R15   R16   R17   R18   R19   R20   R21   R22   R23   R24   R25   R26   R27   R28   R29   R30   R31   R65   R68   R71   R72   R75   R77   R80   R82   R85   R86   R89   R92   R93   R97   R100   R102   R104   R115   R161   R162   R168   R10   R110   R114   R117   R119   R121   R161   R162   R168   R10   R105   R106   R110   R114   R117   R119   R121   R161   R162   R168   R168   R100   R105   R106   R100   R105   R106   R105   R106   R110   R114   R117   R119   R121   R161   R162   R168   R169	13   RESISTOR   RC1608J103CS   10K   53   SAMSUNG   R2   R3   R4   R5   R10   R11   R12   R13   R14   R15   R16   R17   R18   R19   R20   R21   R22   R23   R24   R25   R26   R27   R28   R29   R30   R31   R65   R68   R71   R72   R75   R77   R71   R72   R75   R77   R80   R82   R85   R86   R89   R92   R93   R97   R100   R102   R104   R105   R166   R110   R114   R117   R119   R121   R161   R162   R168   R110   R114   R164   R167   R168   R25   R36   R39   R30   R31   R65   R36   R39   R30   R31   R65   R36   R30   R31   R65   R36   R30   R31   R65   R36   R30   R31   R36   R36   R30   R31   R36   R36   R30   R31   R36    -											
R10	R10		12	RESISTOR	RC1608J101CS	100Ω	2	SAMSUNG	R70	R165		
R10	R10		13	RESISTOR	BC1608.I103CS	10K	53	SAMSLING	R2	ВЗ	R4	R5
R14	R14		10	TILOIOTOIT	1101000010000	1010	55	SAMSONG				
R18   R19   R20   R21   R25   R26   R27   R28   R29   R30   R31   R65   R68   R71   R72   R75   R77   R80   R82   R85   R86   R89   R92   R93   R97   R100   R102   R104   R105   R106   R110   R114   R117   R119   R121   R161   R162   R168   R168   R166   R168   R166   R168   R166   R168   R166   R166   R166   R168   R166   R16	R18								RIU	RTT	R12	R13
R18   R19   R20   R21   R25   R26   R27   R28   R29   R30   R31   R65   R68   R71   R72   R75   R77   R80   R82   R85   R86   R89   R92   R93   R97   R100   R102   R104   R105   R106   R110   R114   R117   R119   R121   R161   R162   R168   R168   R166   R168   R166   R168   R166   R168   R166   R166   R166   R168   R166   R16	R18								R14	R15	R16	R17
R22 R26 R27 R28 R29 R25 R26 R27 R28 R29 R30 R31 R65 R68 R71 R72 R75 R77 R80 R82 R85 R86 R89 R92 R93 R97 R100 R102 R104 R105 R106 R110 R114 R117 R119 R121 R161 R162 R168 R89 R92 R93 R97 R106 R106 R110 R114 R115 R162 R168 R89 R92 R93 R97 R106 R106 R100 R102 R104 R105 R106 R106 R110 R114 R105 R168 R106 R106 R106 R10 R104 R105 R106 R106 R106 R106 R106 R106 R106 R106	R22   R23   R24   R25   R26   R27   R28   R29   R30   R31   R65   R68   R71   R72   R75   R77   R80   R82   R85   R86   R89   R92   R93   R97   R100   R104   R105   R106   R110   R114   R117   R119   R121   R161   R162   R168   R168   R111   R164   R167   R168   R168   R168   R168   R168   R168   R168   R168   R167   R168   R169   R168   R169   R16											
R26 R27 R28 R29 R30 R31 R65 R68 R68 R71 R72 R75 R77 R80 R82 R85 R86 R89 R92 R93 R97 R100 R102 R104 R105 R106 R110 R114 R117 R119 R121 R161 R162 R168 R119 R121 R161 R162 R168 R119 R121 R161 R162 R168 R168 R110 R114 R167 R169 R168 R168 R168 R168 R168 R169 R169 R169 R169 R169 R169 R169 R169	R26 R27 R28 R29 R30 R31 R65 R68 R71 R72 R75 R77 R80 R82 R85 R86 R89 R92 R93 R97 R100 R102 R104 R105 R106 R110 R114 R117 R119 R121 R161 R162 R168 R54 R59 R74 R168 R19 R94 R111 R164 R167 R169 R168 R54 R59 R74 R168 R54 R59 R74 R168 R54 R59 R74 R168 R54 R59 R74 R168 R54 R59 R74 R168 R54 R59 R74 R168 R54 R59 R74 R168 R54 R59 R74 R168 R54 R59 R74 R168 R55 R56 R56 R56 R56 R56 R56 R56 R56 R56											
R30	R30 R31 R65 R68 R71 R72 R75 R77 R80 R82 R85 R86 R89 R92 R93 R97 R100 R102 R104 R105 R106 R110 R114 R117 R119 R121 R161 R162 R168 R89 R94 R171 R161 R162 R168 R199 R94 R111 R161 R162 R168 R199 R194 R111 R161 R162 R168 R199 R194 R111 R164 R167 R168 R199 R194 R111 R164 R167 R168 R168 R168 R168 R168 R168 R168 R168								R22	R23	R24	R25
R30	R30 R31 R65 R68 R71 R72 R75 R77 R80 R82 R85 R86 R89 R92 R93 R97 R100 R102 R104 R105 R106 R110 R114 R117 R119 R121 R161 R162 R168 R89 R94 R171 R161 R162 R168 R199 R94 R111 R161 R162 R168 R199 R194 R111 R161 R162 R168 R199 R194 R111 R164 R167 R168 R199 R194 R111 R164 R167 R168 R168 R168 R168 R168 R168 R168 R168	ĺ					1					
R71	R71   R72   R75   R77   R80   R82   R85   R86   R89   R92   R93   R97   R100   R102   R104   R105   R106   R110   R114   R117   R119   R121   R161   R162   R168   R94   R105   R168   R110   R114   R117   R119   R121   R161   R162   R168   R167   R168   R167   R168   R167   R168   R167   R168   R167   R168	ĺ	J				1					
R80   R82   R85   R86   R89   R92   R93   R97   R100   R102   R104   R105   R106   R110   R114   R117   R119   R121   R161   R162   R168   R169   R168	R80	1	J				1		H30	H31	H65	
R80   R82   R85   R86   R89   R92   R93   R97   R100   R102   R104   R105   R106   R110   R114   R117   R119   R121   R161   R162   R168   R169   R168	R80	1	J				1		R71	R72	R75	R77
R89   R92   R93   R97     R100   R102   R104   R105     R106   R110   R114   R117     R119   R121   R161   R162     R168   R168   R168   R168   R168     R169   R169   R169   R169     R160   R160   R160   R160     R161   R161   R162     R162   R168   R161   R161     R161   R162     R161   R162     R161   R162     R162   R168   R168     R111   R164   R167     R161   R164   R167     R161   R164   R167     R161   R162     R161   R162     R161   R162     R162   R168   R111     R164   R167     R161   R164     R161   R164     R167     R161   R164     R161   R164     R161   R164     R167     R161   R168     R89	1	J				1						
R100 R102 R104 R105 R106 R110 R114 R117 R119 R121 R161 R162 R168 R110 R162 R168 R110 R162 R168 R110 R162 R168 R110 R162 R168 R110 R162 R168 R110 R162 R168 R110 R162 R168 R110 R164 R167 R162 R168 R168 R106 R106 R106 R106 R106 R106 R106 R106	R100   R102   R104   R105   R106   R110   R114   R117   R161   R162   R168   R168   R168   R168   R169   R168   R169   R168   R169   R168   R169   R168   R161   R162   R168   R161   R162   R168   R161   R162   R168   R168   R168   R161   R162   R168   R161   R162   R168   R161   R162   R168   R161   R162   R161   R162   R161   R162   R161   R162   R161   R162   R161	1			ľ		1	1				
R100 R102 R104 R105 R106 R110 R114 R117 R119 R121 R161 R162 R168 R110 R162 R168 R110 R162 R168 R110 R162 R168 R110 R162 R168 R110 R162 R168 R110 R162 R168 R110 R164 R167 R162 R168 R168 R168 R101 R164 R167 R162 R168 R101 R111 R164 R167 R167 R168 R111 R164 R167 R167 R168 R101 R111 R164 R167 R167 R168 R101 R111 R164 R167 R167 R168 R101 R118 R169 R101 R101 R101 R101 R101 R101 R101 R10	R100   R102   R104   R105   R106   R110   R114   R117   R161   R162   R168   R168   R168   R168   R169   R168   R169   R168   R169   R168   R169   R168   R161   R162   R168   R161   R162   R168   R161   R162   R168   R168   R168   R161   R162   R168   R161   R162   R168   R161   R162   R168   R161   R162   R161   R162   R161   R162   R161   R162   R161   R162   R161	1					1		R89	R92	R93	R97
R106   R110   R114   R117   R162   R168   R168   R168   R168   R169   R168   R169   R168   R169   R168   R169	R106   R110   R114   R117   R162	1					1					
R119   R121   R161   R162	R119	1					1					
RESISTOR   RC1608J102CS   1K   8   SAMSUNG   R48   R54   R59   R74   R167	14   RESISTOR   RC1608J102CS   1K   8   SAMSUNG   R48   R54   R59   R74   R167   RESISTOR   RC1608J203CS   20K   2   SAMSUNG   R53   R166   RESISTOR   RC1608F273CS   27K,1%   1   SAMSUNG   R53   R166   RESISTOR   RC1608F563CS   56K,1%   1   SAMSUNG   R58   R54   R59   R74   R167   RESISTOR   RC1608F563CS   56K,1%   1   SAMSUNG   R58   RESISTOR   RC1608F393CS   39K,1%   1   SAMSUNG   R50   R	1					1		H106	H110	R114	K117
RESISTOR   RC1608J102CS   1K   8   SAMSUNG   R48   R54   R59   R74   R167	14   RESISTOR   RC1608J102CS   1K   8   SAMSUNG   R48   R54   R59   R74   R167   RESISTOR   RC1608J203CS   20K   2   SAMSUNG   R53   R166   RESISTOR   RC1608F273CS   27K,1%   1   SAMSUNG   R53   R166   RESISTOR   RC1608F563CS   56K,1%   1   SAMSUNG   R58   R54   R59   R74   R167   RESISTOR   RC1608F563CS   56K,1%   1   SAMSUNG   R58   RESISTOR   RC1608F393CS   39K,1%   1   SAMSUNG   R50   R	1					1		R119	R121	R161	R162
14         RESISTOR         RC1608J102CS         1K         8         SAMSUNG         R48         R54         R59         R74           15         RESISTOR         RC1608J203CS         20K         2         SAMSUNG         R53         R166         R167           16         RESISTOR         RC1608F273CS         27K_1%         1         SAMSUNG         R127         R17         RESISTOR         RC1608F563CS         56K_1%         1         SAMSUNG         R58         R59         R61         R7         R8         R9         R61         R7         R8         R9         R61         R7         R8         R9         R61         R10         R118         R18         R109         R124         R55	14         RESISTOR         RC1608J102CS         1K         8         SAMSUNG         R48         R54         R59         R74           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         RC1608F393CS         33K_1%         1         SAMSUNG         R50           20         RESISTOR         RC1608J103CS         10K         1         SAMSUNG         R56           21         RESISTOR         RC1608J330CS         33Ω         10         SAMSUNG         R6         R7         R8         R9           R51         R55         R69         R81           22         RESISTOR         RC1608F2492CS         24.9K_1%         1         SAMSUNG         R95           24         RESISTOR         CS06JTFVR050         0.05Ω         1         RARA	1					1					02
Resistor   Rc1608J203CS   20K   2   SAMSUNG   R53   R166   R167	Resistor   Rc1608J203CS   20K   2   SAMSUNG   R53   R166   R167								RIBB			
Resistor   Rc1608J203CS   20K   2   SAMSUNG   R53   R166   R167	Resistor   Rc1608J203CS   20K   2   SAMSUNG   R53   R166   RESISTOR   RC1608F273CS   27K,1%   1   SAMSUNG   R127   R164   R167   R168   R167   R168   R16	1	14	RESISTOR	RC1608J102CS	1K	8	SAMSUNG	R48	R54	R59	R74
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   33\Omega   33\Omega   10   SAMSUNG   R56     21   RESISTOR   RC1608J330CS   33\Omega   33\Omega   10   SAMSUNG   R6   R7   R8   R9     R51   R55   R69   R81     R101   R118     22   RESISTOR   RC1608J000CS   0\Omega   3   SAMSUNG   R108   R109   R124     23   RESISTOR   RC1608F2492CS   24.9K_1%   1   SAMSUNG   R95     24   RESISTOR   CS06JTFVR050   0.05\Omega   1   RARA   R88     25   RESISTOR   RP164PJ330CS   33\Omega   211   SAMSUNG   RN1   RN2   RN3   RN4     RN4   RN4   RN4   RN5   RN4   RN5   R	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   33Q   10   SAMSUNG   R6   R7   R8   R9     R51   R55   R69   R81     R51   R55   R69   R81     R101   R118     22   RESISTOR   RC1608J000CS   0Q   3   SAMSUNG   R108   R109   R124     23   RESISTOR   RC1608F2492CS   24.9K_1%   1   SAMSUNG   R95     24   RESISTOR   CS06JTFVR050   0.05Q   1   RARA   R88     25   RESISTOR   RP164PJ330CS   33Q array   11   SAMSUNG   RN1   RN2   RN3   RN4     RN5   RN6   RN7   RN8	1			I	* *	1					
16   RESISTOR   RC1608F273CS   27K_1%   1   SAMSUNG   R127	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   RC1608F393CS   33K_1%   1   SAMSUNG   R57     20   RESISTOR   RC1608J033CS   10K   1   SAMSUNG   R56     21   RESISTOR   RC1608J033CS   33Ω   10   SAMSUNG   R6   R7   R8   R9     R51   R55   R69   R81     R51   R101   R118     R101   R118   R101   R118     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   RN2   RN3   RN4     RN5   RN6   RN7   RN8	$\vdash$			501000:		+				11104	1110/
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   R66   R7   R8   R9     R51   R55   R69   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   RN2   RN3   RN4     RN4   RN4   RN4   RN8   RN4   RN4   RN4   RN4   RN4   RN4     RESISTOR   RP164PJ330CS   33Ω   array   11   SAMSUNG   RN1   RN2   RN3   RN4     RN5    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   R7   R8   R9     R51   R55   R69   R81     R51   R101   R118     R101   R118   R109   R124     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   RN2   RN3   RN4     RN5   RN6   RN7   RN8	L	15	RESISTOR	RC1608J203CS	<u>2</u> 0K	2	SAMSUNG	R53	R1 66		<u> </u>	
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   R7   R8   R9   R51   R55   R69   R81   R101   R118   R101   R118   R101   R118   R101   R118   R101   R1	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   R7   R8   R9   R51   R55   R69   R81   R101   R118   R1		16	RESISTOR	BC1608F273CS		1		R127			
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         R7         R8         R9           R51         R55         R69         R81           R101         R118         R101         R118         R101         R118         R109         R124           23         RESISTOR         RC1608F2492CS         24.9K_1%         1         SAMSUNG         R95         R95           24         RESISTOR         CS06JTFVR050         0.05Ω         1         RARA         R88           25         RESISTOR         RP164PJ330CS         33Ω array         11         SAMSUNG         RN1         RN2         RN3         RN4	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         R7         R8         R9           R51         R55         R69         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         8           25         RESISTOR         RP164PJ330CS         33Ω array         11         SAMSUNG         RN1         RN2         RN3         RN4           RN5         RN6         RN7         RN8	-				_						
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         R7         R8         R9           R51         R55         R69         R81           R101         R118         R101         R118         R101         R118         R109         R124           23         RESISTOR         RC1608F2492CS         24.9K_1%         1         SAMSUNG         R95         R95           24         RESISTOR         CS06JTFVR050         0.05Ω         1         RARA         R88           25         RESISTOR         RP164PJ330CS         33Ω array         11         SAMSUNG         RN1         RN2         RN3         RN4	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         R7         R8         R9           R51         R55         R69         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         8           25         RESISTOR         RP164PJ330CS         33Ω array         11         SAMSUNG         RN1         RN2         RN3         RN4           RN5         RN6         RN7         RN8	L	17				1 1	SAMSUNG	R58			
19   RESISTOR   RC1608F333CS   33K_1%   1   SAMSUNG   R57	19   RESISTOR   RC1608F333CS   33K_1%   1   SAMSUNG   R57	1 -	18		RC1608F393CS	39K 1%	1	SAMSLING	R50		i ——	
20   RESISTOR   RC1608J103CS   10K   1   SAMSUNG   R56	20   RESISTOR   RC1608J103CS   10K   1   SAMSUNG   R56							_				<del>                                     </del>
21   RESISTOR   RC1608J330CS   33Ω   10   SAMSUNG   R6   R7   R8   R9   R81	21   RESISTOR   RC1608J330CS   33Ω   10   SAMSUNG   R6   R7   R8   R9   R51   R55   R69   R81	-					_					
21   RESISTOR   RC1608J330CS   33Ω   10   SAMSUNG   R6   R7   R8   R9   R81	21   RESISTOR   RC1608J330CS   33Ω   10   SAMSUNG   R6   R7   R8   R9   R51   R55   R69   R81		20	RESISTOR	RC1608J103CS	10K	1 1	SAMSUNG	R56		, ,	1
R51   R55   R69   R81	R51   R55   R69   R81									D7	DΩ	DΩ
R101 R118	R101 R118			DEGIGIOD	UC 1000133002	2278	10	SAIVISUNG				
R101 R118	R101 R118			RESISTOR					R51	R55	R69	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     RN2     RN3     RN4	22   RESISTOR   RC1608J000CS   0Ω   3   SAMSUNG   R108   R109   R124			RESISTOR				1				
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       RN2       RN3       RN4	23   RESISTOR   RC1608F2492CS   24.9K_1%   1   SAMSUNG   R95			RESISTOR				1		D110	1 ,	
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       RN2       RN3       RN4	23   RESISTOR   RC1608F2492CS   24.9K_1%   1   SAMSUNG   R95		21									
24         RESISTOR         CS06JTFVR050         0.05Ω         1         RARA         R88           25         RESISTOR         RP164PJ330CS         33Ω array         11         SAMSUNG         RN1         RN2         RN3         RN4	24         RESISTOR         CS06JTFVR050         0.05Ω         1         RARA         R88           25         RESISTOR         RP164PJ330CS         33Ω array         11         SAMSUNG         RN1         RN2         RN3         RN4           RN5         RN6         RN7         RN8		21		RC1608J000CS		3	<u>SAMS</u> UNG			R124	
25 RESISTOR RP164PJ330CS 33Ω array 11 SAMSUNG RN1 RN2 RN3 RN4	25 RESISTOR RP164PJ330CS 33Ω array 11 SAMSUNG RN1 RN2 RN3 RN4 RN5 RN6 RN7 RN8		21	RESISTOR					R108		R124	
	RN5 RN6 RN7 RN8		21 22 23	RESISTOR RESISTOR	RC1608F2492CS	24.9K_1%	1	SAMSUNG	R108 R95		R124	
	RN5 RN6 RN7 RN8		21 22 23 24	RESISTOR RESISTOR RESISTOR	RC1608F2492CS CS06JTFVR050	24.9K_1% 0.05Ω	1	SAMSUNG RARA	R108 R95 R88	R109		
			21 22 23 24	RESISTOR RESISTOR RESISTOR	RC1608F2492CS CS06JTFVR050	24.9K_1% 0.05Ω	1	SAMSUNG RARA	R108 R95 R88	R109		RN4
	I I I DNG I DN11 I		21 22 23 24	RESISTOR RESISTOR RESISTOR	RC1608F2492CS CS06JTFVR050	24.9K_1% 0.05Ω	1	SAMSUNG RARA	R108 R95 R88 RN1	R109 RN2	RN3	
RN9 RN10 RN11	וואות בישות הישות היו ביו ביו ביו ביו ביו ביו ביו ביו ביו ב		21 22 23 24	RESISTOR RESISTOR RESISTOR	RC1608F2492CS CS06JTFVR050	24.9K_1% 0.05Ω	1	SAMSUNG RARA	R108 R95 R88 RN1 RN5	R109 RN2 RN6	RN3 RN7	

26	DIODE	SP0503BAHT	SP0503BAHT	1	LITTLEFUSE	D1			
27	BEAD	HU-1M3216-121JT	FB_3216	3	CTC	L4	L8	L9	
28	BEAD	CIM21J121NE	FB_2012	6	SAMSUNG	L1	L2	L3	L5
	NIDLIGTOR	000110044 407	4 7 11		011141154	L6	L7		
29 30	INDUCTOR TR	CDRH2D14-4R7 KTN2222S	4.7uH KTN2222S	<u>1</u> 2	SUMIDA KEC	L10 Q1	Q2		
31	LED	NINZZZZS	LED	3	NEC	LED1	LED2	LED3	
	CONNECTOR	USB_B_TYPE_RA	USB_B_CON	1	1	J8	LLUZ	LLD3	
33	CONNECTOR	HEADER7X2_RA	HEADER7X2_RA	1	MOLEX	J4			
34	CONNECTOR	MOLEX_6P_RA	MOLEX_6P_RA	2	MOLEX	J3	J10		
	CONNECTOR	53259_0817	53259_0817	1	MOLEX	J6			
	CONNECTOR	HP087020	HP087020 (MALE)	2	HUMAN	J1	J7		
37		BOX_HEADER_60_RA	BOX_HEADER_60_RA	1	MOLEX	J9			
38 39	IC	BOX_HEADER_16_RA MIC29152BU	BOX_HEADER_16_RA MIC29152BU	2	MOLEX MICREL	J2 U1	U2		
40	IC	MIC49150YMM	MIC49150YMM	1	MICREL	U3	UZ		
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 IC	EP2C5Q208C8	EP2C5Q208C8	1 1	ALTERA	U10			
47 48	IC IC	TMS320F2812PGFA CP2102-GM	TMS320F2812PGFA CP2102-GM	1 1	TI SILAB	U11 U13			
49	IC	MAX811SEUS_T	MAX811SEUS_T	1	MAXIM IC	U13			
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	R40	R41	R46
						R47	R60	R61	R62
						R63 R73	R64 R76	R66 R78	R67 R79
						R84	R90	R96	R98
						R99	R107	R112	R113
						R115	R116	R120	R122
						R123	R141	R142	R143
						R144	R145	R146	R147
						R148	R149	R150	R151
						R152	R153	R154	R155
						R156	R157	R158	R159
						R160 R103	R87 R52	R83	R91
55	TR	KTA1552T	N.C	1	+	Q3	NUZ		
56	CAPACITOR	CL10B104KBNC	0.1uF	6	SAMSUNG	C2	C3	C4	C5
						C6	C7	-	
57	CAPACITOR	TAJB106M016RNJ	10uF	1	AVX	C1			
58	RESISTOR	RC1608J103CS	10K	1	SAMSUNG	R25			
59	RESISTOR	RC1608J102CS	1K	17	SAMSUNG	R20	R21	R22	R23
						R24	R26	R27	R28
						R29 R33	R30 R34	R31 R35	R32 R36
						R37	1104	1100	1100
60	CONNECTOR	HP087020	HP087020(FEMALE)	2	휴먼전자	J1	J2		
61	IC	KTN2222S	KTN2222S	6	KEC	Q1	Q2	Q3	Q4
						Q5			
62	LED	LED	LED3P	3		D1	D2	D3	
63	SW	SW	SW	1	1	SW1	110	114	HE
64	N.C	N.C	N.C	6		U1 U6	U3 U7	U4	U5
65	CONNECTOR	HE3ER 60DA-2 54DS	BOX HEADER SOCKET	1	HRS	J12	U/		
	CONNECTOR	90130_1220	9130 1220	1	MOLEX	J14			
	CONNECTOR	90130_1212	90130_1212	1	MOLEX	J6			
	CONNECTOR	90130_1214	90130_1214	1	MOLEX	J13			
	CONNECTOR	90130_1210	90130_1214	1	MOLEX	J5			
		MOLEX_2P_ST_2.54	MOLEX_2P_ST	2	MOLEX	J11	J17		
		MOLEX_5P_ST_2.54	MOLEX_5P_ST	1	MOLEX	J10			
	CONNECTOR	MOLEX_4P_ST_2.54 MOLEX_3P_ST_2.54	MOLEX_4P_ST MOLEX_3P_ST_2.54	<u>1</u> 1	MOLEX MOLEX	J18 J19			
/3	CONNECTOR	IVIULEA_37_31_2.54	IVIULEX_3P_51_2.54		IVIULEX	J19			

## SNMP

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M	ODEL. NAME	SNM	P	D	OC.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	C5	C7	C8			
						C9	C16	C32	C34			
						C51	C52	C53	C54			
						C55	C56	C57	C58			
						C59	C60	C75	C77			
						C79	C80	C83	C84			
						C86	C92	C94				
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	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			
						DC45	DC46	DC47	DC48			
						DC49	DC50	DC51	DC52			
						DC53	DC54	DC55	DC56			
						DC57	DC58	DC59	DC60	l	l	
						DC61	DC62	DC63	DC64			
						DC65	DC66	DC67	DC68	4		
						DC69	DC70	DC71	DC72	_∕li	rPoint	
						DC73	DC74	DC75	DC76	1	TOIL	
						DC77	DC78	DC79	DC80			

M	ODEL. NAME	SNM	P	D	OC.NAME		Part	list		SHEET	2	
				-						DATE	2008.10.09	
NUM	품명	규격	단위	원단위수	제조사		REF	NUM		CHANG		
						DC81	DC82	DC83	DC84			
						DC85	DC86	DC87	DC88			
						DC89	DC90	DC91	DC92			
						DC93	DC94	DC95	DC96			
						DC97	DC98	DC99	DC100			
						DC101	DC102	DC103	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	C6	C10	C15			
						C19	C20	C21	C22			
						C23	C29	C30	C31			
						C39	C41	C45	C62			
						C63						
16	CAPACITOR	10TPE330M	330uF	2	SANYO	C28	C47					
17	RESISTOR	RP164PJ330CS	33Ω	12	SAMSUNG	RN1	RN2	RN3	RN4			
						RN5	RN6	RN7	RN8			
						RN9	RN10	RN12	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	R25	R5	R6			
						R15	R16	R17	R19			
						R20	R23	R26	R28			
						R30	R36	R37	R41			
						R44	R49	R53	R54	4		
						R56	R61	R63	R64	-∕li	Point	
						R67	R70	R71	R72	1	TOTAL	
						R73	R75	R77	R79			

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M	ODEL. NAME	SNM	P	DO	OC.NAME		Part	list		SHEET	3
										DATE	2008.10.09
NUM	품명	규격	단위	원단위수	제조사		REF	NUM		CH	ANGED
						R80	R82	R84	R92		
						R194	R195	R199	R204		
						R208	R218	R219	R222		
						R223	R226				
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	R22	R27	R91		
						R198					
28	RESISTOR	RC1608F102CS	1K_1%	1	SAMSUNG	R153					
29	RESISTOR	RC1608J201CS	200Ω	6	SAMSUNG	R31	R33	R35	R46		
						R48	R52				
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	R82	R9	R10		
						R11	R12	R13	R14		
						R21	R29	R32	R34		
						R47	R50	R51	R55		
						R57	R58	R62	R74		
						R76	R78	R81	R83		
						R85	R86	R87	R93		
						R94	R98				
34	RESISTOR	RC1608J331CS	330Ω	10	SAMSUNG	R42	R43	R59	R60		
						R88	R89	R96	R97		
						R105	R112				
35	RESISTOR	RC1608F4991CS	4.99K	1	SAMSUNG	R40				]	
36	RESISTOR	RC1608F500CS	50Ω	46	SAMSUNG	R38	R39	R113	R114		
						R115	R116	R117	R118	4	
						R119	R120	R121	R122	_∕ <b>/</b> i	rPoint
						R123	R124	R125	R126	7"	i i Onic
						R127	R128	R129	R130		

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M	ODEL. NAME	SNM	P	D	OC.NAME Part list			list		SHEET	4
										DATE	2008.10.09
NUM	품명	규격	단위	원단위수	제조사			NUM		CH	ANGED
						R131	R132	R260	R261		
						R262	R263	R264	R265		
						R266	R267	R268	R269		
						R270	R271	R272	R273		
						R274	R275	R276	R277		
						R278	R279	R280	R281		
						R282	R283				
37	RESISTOR	RC1608G6343CS	634K	1	SAMSUNG	R145					
38	RESISTOR	RC1608J750CS	75Ω	4	SAMSUNG	R284	R285	R286	R287	1	
39	RESISTOR	RC1608F8872CS	88.7K	1	SAMSUNG	R166					
40	BEAD	CIM21J121NE	FB_2012	5	SAMSUNG	L1	L5	L6	L8		
						L9					
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	L3	L4	L7		
						L15	L16				
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			1	
		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				- 4	·
58	IC	CS8900A-IQ3	CS8900A-IQ3	1	CIRRUS LOGIC	U6				_ <b>∕</b> 1i	rPoint
59	IC	DS3234SN#	DS3234SN#	1	MAXIM IC	U7				7"	T OILL
60	IC	HY57V561620FLTP_HI	HY57V561620FLTP H	2	HYNIX	U4	U13				

M	ODEL. NAME	SNM	P	D	OC.NAME	Part list				SHEET	5
		•		•						CHA	NGED
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	N74LVC16245ADGVF	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	C44	C46	C50		
						C64	C65	C66	C67		
						C68	C69	C70	C71		
						C72	C73	C74	C76		
						C78	C81	C82	C85		
						C87	C88	C89	C90		
						C91	C93	C97	C98		
						C99	C100	C101	C102		
						C103	C104	C105	C106		
						C107	C108	C109	C110		
						C111					
78	DIODE	1N4148WT	N.C	22		D12	D13	D14	D15		
						D16	D17	D18	D19	4	
						D20	D21	D22	D23	-Air	Point
						D24	D25	D26	D27	YIII	FUITE
						D28	D29	D30	D31	,	

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MC	DDEL. NAME	SNMI	P	DO	C.NAME		Part	list		SHEET	6
										DATE	2008.10.09
NUM	품명	규격	단위	원단위수	제조사		REF	NUM		CHA	ANGED
						D32	D33				
79	RESISTER	N.C	N.C	131		RN11	RN14	RN15	RN16		
						RN17	RN18	RN19	RN20		
						RN21	R3	R45	R65		
						R66	R90	R95	R102		
						R103	R106	R107	R108		
						R109	R110	R111	R134		
						R133	R136	R137	R138		
						R139	R140	R141	R143		
						R142	R144	R147	R148		
						R149	R150	R151	R152		
						R154	R155	R156	R158		
						R157	R159	R160	R161		
						R162	R163	R167	R168		
						R169	R170	R171	R172		
						R173	R174	R175	R176		
						R177	R178	R179	R180		
						R181	R182	R183	R184		
						R185	R186	R187	R188		
						R189	R191	R192	R193		
						R190	R196	R197	R200		
						R201	R202	R205	R206		
						R207	R209	R210	R211		
						R212	R213	R214	R215		
						R216	R217	R220	R221		
						R224	R225	R227	R228		l
						R229	R230	R231	R232	l	
						R233	R234	R235	R236	l	
						R237	R238	R239	R240		
						R241	R242	R243	R244	4	
						R245	R246	R247	R248	/lii	Point
						R249	R250	R251	R252	/	
						R253	R254	R255	R256		

MODEL. NAME SNMP			DO	C.NAME		Part list				7	
				II		ı				DATE	2008.10.
UM	품명	규격	단위	원단위수	제조사		REF	NUM		CHA	NGED
						R257	R258	R259			
80	BEAD	N.C	N.C	6		L19	L21	L22	L23		
						L10	L12				
81	INDUCTOR	N.C	N.C	2		L24	L20				
82	DIODE	SP0503BAHT	N.C	5		D4	D6	D7	D9		
						D11					
83	LED	N.C	N.C	7		LED3	LED4	D1	D3		
						D5	D8	D10			
34	CONNECTOR N	N.C	N.C	6		J4	J5	CON3	J2	1	
						CON4	CON5	1			
85	RELAY	TQ2-3V	N.C	2		U22	U24			1	
86	VARISTOR	TVR07560KSY	N.C	2		VC1	VC2				
37	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	U23	U31	U33		
						U34	U35				
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			