

Bill of the Material for SD225 VHF2

Mechanical ASS'Y						
Item	Part No.	Value	Part Name	Qty	Reference	Manufacturer
1	UG-1094/U(F)		BNC CONNECTOR	1		SAMWOO
2			UPPER COVER	1		AIM TECHNOLOGY
3			BOTTOM COVER	1		AIM TECHNOLOGY
4			VCO-CAN SPTE 0.3T	1		AIM TECHNOLOGY
5			DD-CAN SPTE 0.3T	1		AIM TECHNOLOGY
6			HEAT SINK BSP 1.0T NI-PL	1		AIM TECHNOLOGY
7			MAIN SHEILD SPTE 0.3T	1		AIM TECHNOLOGY
8			POWER CAN SPTE 0.3T	1		AIM TECHNOLOGY
9			RF CAN SPTE 0.3T	1		AIM TECHNOLOGY
10			POST PILLER BSBM NI-PL (M3)	4		AIM TECHNOLOGY
11			D-SUB CONN. POST BSBM NI-PL 4.0	2		AIM TECHNOLOGY
12			D-SUB CONN.PACKING(9P) RUBBER SHEET 1.0T	1		AIM TECHNOLOGY

RF BOARD ASS'Y						
Item	Part No.	Value	Part Name	Qty	Reference	Manufacturer
1	RC1005J000CS	0	Chip resistor - 0402 (LINK)	8	LK6 LK11 LK4 LK13 LK8 LK15 LK9 LK17	SAMSUNG
2	RC1005J000CS	0	Chip resistor - 0402	3	R11 R27 R108	SAMSUNG
3	RC1005J100CS	10	Chip resistor - 0402	1	R53	SAMSUNG
4	RC1005J180CS	18	Chip resistor - 0402	1	R33 C62	SAMSUNG
5	RC1005J220CS	22	Chip resistor - 0402	1	R64	SAMSUNG
6	RC1005J390CS	39	Chip resistor - 0402	1	R62	SAMSUNG
7	RC1005J470CS	47	Chip resistor - 0402	1	R17	SAMSUNG
8	RC1005J510CS	51	Chip resistor - 0402	2	R68 R98	SAMSUNG
9	RC1005J101CS	100	Chip resistor - 0402	9	R1-2 R12-14 R38 R70 R88 R120	SAMSUNG
10	RC1005J121CS	120	Chip resistor - 0402	2	R5-6	SAMSUNG
11	RC1005J221CS	220	Chip resistor - 0402	3	R49 R56 R31	SAMSUNG
12	RC1005J271CS	270	Chip resistor - 0402	1	R39	SAMSUNG
13	RC1005J301CS	300	Chip resistor - 0402	4	R34 R66-67 R32	SAMSUNG
14	RC1005J681CS	680	Chip resistor - 0402	1	R55	SAMSUNG
15	RC1005J102CS	1K	Chip resistor - 0402	4	R85 R87 R69 R47	SAMSUNG
16	RC1005J122CS	1.2K	Chip resistor - 0402	5	R3-4 R22 R28 R97	SAMSUNG
17	RC1005J152CS	1.5K	Chip resistor - 0402	1	R48	SAMSUNG
18	RC1005J182CS	1.8K	Chip resistor - 0402	1	R73	SAMSUNG
19	RC1005J222CS	2.2K	Chip resistor - 0402	2	R54 R72	SAMSUNG
20	RC1005J242CS	2.4K	Chip resistor - 0402	1	R9	SAMSUNG
21	RC1005J332CS	3.3K	Chip resistor - 0402	1	R50	SAMSUNG
22	RC1005J362CS	3.6K	Chip resistor - 0402	1	R101	SAMSUNG
23	RC1005J392CS	3.9K	Chip resistor - 0402	1	R10	SAMSUNG
24	RC1005J472CS	4.7K	Chip resistor - 0402	3	R95 R90 R30	SAMSUNG
25	RC1005J562CS	5.6K	Chip resistor - 0402	2	R96 R29	SAMSUNG
26	RC1005J682CS	6.8K	Chip resistor - 0402	1	R36	SAMSUNG
27	RC1005J103CS	10K	Chip resistor - 0402	15	R18 R20 R24 R26 R46 R7 R82 R8 R16 R100 R105-106 R110-112	SAMSUNG
28	RC1005J123CS	12K	Chip resistor - 0402	2	R52 R35	SAMSUNG
29	RC1005J203CS	20K	Chip resistor - 0402	4	R23 R102-103 R109	SAMSUNG
30	RC1005J223CS	22K	Chip resistor - 0402	1	R19	SAMSUNG
31	RC1005J333CS	33K	Chip resistor - 0402	1	R21	SAMSUNG
32	RC1005J473CS	47K	Chip resistor - 0402	2	R91 R15	SAMSUNG
33	RC1005J513CS	51K	Chip resistor - 0402	1	R94	SAMSUNG
34	RC1005J104CS	100K	Chip resistor - 0402	1	R93	SAMSUNG
35	RC1005J184CS	180K	Chip resistor - 0402	1	R92	SAMSUNG
36	RC1005J474CS	470K	Chip resistor - 0402	2	R86 R71	SAMSUNG
37	RC1005J684CS	680K	Chip resistor - 0402	1	R25	SAMSUNG
38	RC1005J105CS	1M	Chip resistor - 0402	2	R107 R51	SAMSUNG
39	RC1005J475CS	4.7M	Chip resistor - 0402	1	R57	SAMSUNG
40	RC1608F683CS	68K	Chip resistor - 0603	2	R58 R60	SAMSUNG
41	RC1608F104CS	100K	Chip resistor - 0603	2	R59 R61	SAMSUNG
42	RC2012J000CS	0	Chip resistor - 0805	1	R42	SAMSUNG
43	RC2012J2R2CS	2R2	Chip resistor - 0805	3	R43-45	SAMSUNG
44	RC2012J474CS	470K	Chip resistor - 0805	3	R40-41 R65	SAMSUNG
45		0.1	Chip resistor - 1218	1	R63	YAGEO
46	RH03ADC14X	10KB	VRES	2	RV3-4	ALPS
47	RH03ADC54X	47KB	VRES	1	RV1	ALPS
48	RH03ADC15X	100KB	VRES	1	RV2	ALPS
49	GRM1555C1H6R0D	6pF	Chip ceramic cap. - 0402	1	C8	MURATA
50	GRM1555C1H6R8D	6.8pF	Chip ceramic cap. - 0402	1	C33	MURATA
51	GRM1555C1H100D	10pF	Chip ceramic cap. - 0402	3	C5 C21 C24	MURATA
52	GRM1555C1H120J	12pF	Chip ceramic cap. - 0402	1	C25	MURATA
53	GRM1555C1H130J	13pF	Chip ceramic cap. - 0402	1	C29	MURATA
54	GRM1555C1H150J	15pF	Chip ceramic cap. - 0402	1	C77	MURATA
55	GRM1555C1H200J	20pF	Chip ceramic cap. - 0402	2	C30 C100	MURATA
56	GRM1555C1H270J	27pF	Chip ceramic cap. - 0402	1	C78	MURATA
57	GRM1555C1H300J	30pF	Chip ceramic cap. - 0402	1	C70	MURATA
58	GRM1555C1H330J	33pF	Chip ceramic cap. - 0402	2	C79 C28	MURATA
59	GRM1555C1H470J	47pF	Chip ceramic cap. - 0402	1	C102	MURATA
60	GRM1555C1H510J	51pF	Chip ceramic cap. - 0402	1	C32	MURATA
61	GRM1555C1H820J	82pF	Chip ceramic cap. - 0402	2	C73 C64	MURATA
62	GRM1555C1H221J	220pF	Chip ceramic cap. - 0402	4	C9 C18 C49 C101	MURATA
63	GRM1555C1H471J	470pF	Chip ceramic cap. - 0402	20	C42-44 C19 C48 C53 C55-59 C20 C7 C89-90 C92 C27 C13 C60 C112	MURATA
64	GRM155R71H102K	0.001uF	Chip ceramic cap. - 0402	10	C15 C23 C50 C71 C75 C81 C98 C108-109 C114	MURATA
65	GRM155R71H472K	0.0047uF	Chip ceramic cap. - 0402	2	C93-94	MURATA
66	GRM155R71E103K	0.01uF	Chip ceramic cap. - 0402	8	C86 C11 C69 C45 C103 C80 C84 C119	MURATA

67	GRM155R61A104K	0.1uF	Chip ceramic cap. - 0402	17	C14 C10 C26 C46 C72 C74 C76 C85 C87 C95 C97 C111 C116 C118 C120 C130-131	MURATA
68		0.22uF	Chip ceramic cap. - 0402	1	C113	MURATA
69	CL10C130JB8NNNC	13pF	Chip ceramic cap. - 0603	1	C66	SAMSUNG
70	CL10C180JB8NNNC	18pF	Chip ceramic cap. - 0603	1	C65	SAMSUNG
71	CL21C4R7BCAANN	4.7pF	Chip ceramic cap. - 0805	1	C61	SAMSUNG
72	CL21C6R8BCAANN	6.8pF	Chip ceramic cap. - 0805	1	C35	SAMSUNG
73	CL21C200JBANNNG	20pF	Chip ceramic cap. - 0805	2	C36 C39	SAMSUNG
74	CL21C390JBANNNC	39pF	Chip ceramic cap. - 0805	1	C37	SAMSUNG
75	CL21C470JBANNNC	47pF	Chip ceramic cap. - 0805	1	C38	SAMSUNG
76	CL21C102KBCNNNC	0.001uF	Chip ceramic cap. - 0805	2	C40 C34	SAMSUNG
77	CL21B474K0FNNE	0.47uF	Chip ceramic cap. - 0805	1	C54	SAMSUNG
78	CL21B105K0FNNE	1uF	Chip ceramic cap. - 0805	3	C22 C68 C99	SAMSUNG
79	ECHU1H103JX5	0.01uF	METAL-POLY CAP	1	C3	PANASONIC
80	ECHU1C473JX5	0.047uF	METAL-POLY CAP	1	C2	PANASONIC
81	ECPU1C474MA5	0.47uF	METAL-POLY CAP	1	C1	PANASONIC
82	TCSVN1D474KAAR	0.47uF/20V	Tantalum Capacitor - A type	1	C51	SAMSUNG
83	TCSVSOJ105MPAR	1uF/6.3V	Tantalum Capacitor - P type	1	C128	SAMSUNG
84	TCSVS1D225MAAR	2.2uF/20V	Tantalum Capacitor - A type	1	C12	SAMSUNG
85	TCSVS1A475MAAR	4.7uF/10V	Tantalum Capacitor - A type	3	C82 C91 C52	SAMSUNG
86	TCSVSOJ106MAAR	10uF/6.3V	Tantalum Capacitor - A type	6	C6 C16-17 C83 C88 C117	SAMSUNG
87	TCSVS1A106MAAR	10uF/10V	Tantalum Capacitor - A type	1	C47	SAMSUNG
88	0805CS-470XGLC	47nH	Wire wound inductor	2	L5 L4	COILCRAFT
89	0805CS-101XJLC	100nH	Wire wound inductor	1	L2	COILCRAFT
90	0805CS-151XJLC	150nH	Wire wound inductor	2	L3 L11	COILCRAFT
91	0805CS-181XJLC	180nH	Wire wound inductor	1	L14	COILCRAFT
92	0805CS-561XJLC	560nH	Wire wound inductor	1	L12	COILCRAFT
93	0805LS-102XJLC	1.0uH	Wire wound inductor	2	L6 L15	COILCRAFT
94	0805LS-272XJLC	2.7uH	Wire wound inductor	1	L16	COILCRAFT
95	1008LS103XJLC	10uH	Wire wound inductor	1	L1	COILCRAFT
96	3X0.55X4T:L	4T	COIL SPRING	1	L7	SANHA
97	3X0.55X5T:L	5T	COIL SPRING	2	L8-9	SANHA
98	2.8X0.4X8T:L	8T	COIL SPRING	1	L10	SANHA
99	617PT-1019		RF TRANSFORMER	2	T1-2	TOKO
100	UPP9401		PIN DIODE	2	D3 D5	MICRO SEMI
101	HSMS2817		RF SCHOTTKY RING DIODE	1	D6	AGILENT
102	KRA104S		PNP TR WITH BIAS RESISTOR	2	Q7 Q22	KEC
103	KRA110S		PNP TR WITH BIAS RESISTOR	2	Q1-2	KEC
104	KRC104S		NPN TR WITH BIAS RESISTOR	4	Q13-14 Q17-18	KEC
105	KTA2014		GENERAL PURPOSE PNP TR	2	Q5-6	KEC
106	KTA1663		HIGH CURRENT PNP TR	1	Q11	KEC
107	KTC4075		GENERAL PURPOSE NPN TR	2	Q3-4	KEC
108	KTC3875		GENERAL PURPOSE NPN TR	4	Q8 Q12 Q15 Q20	KEC
109	BFR92A		NPN 5GHZ WIDEBAND TR	3	Q9 Q16 Q19	PHILIPS
110	PBR951		UHF WIDEBAND TR	1	Q10	PHILIPS
111	NJM12904		Dual Operational Amplifier	2	IC3 IC5	JRC
112	NJM324V		Quad Operational Amplifier	1	IC4	JRC
113	MB15E03SL		PLL IC	1	IC2	FUJITSU
114	MC74HC4066ADT		Analog Switch	1	IC9	PHILIPS
115	TA31136FN		IF IC	1	IC6	TOSHIBA
116	TK71750S	5.0V	Voltage regulator	1	IC1	TOKO
117	TK71733S	3.3V	Voltage regulator	1	IC7	TOKO
118	GS41350	12.8MHZ	TCXO	1	TCX01	HERTZ
119	45N15B4	45.1MHZ	X-TAL FILTER	2	XF1-2	HERTZ
120		44.645MHZ	X-TAL	1	X1	INTERQUIPE
121	CDBC455CX24		CERAMIC DISCRIMINATOR	1	Y1	MURATA
122	LTM455FW	455KHZ	CERAMIC FILTER	1	CF3	
123	LTM455HT	455KHZ	CERAMIC FILTER	1	CF4	
124	CON18		18PIN DUAL LINE HEADER	1	CON1	FINE
125			PCB	1		HAN-TECH

TX-VCO ASS'Y

Item	Part No.	Value	Part Name	Qty	Reference	Manufacturer
1	RC1005J000CS	0	Chip resistor - 0402	1	R201	SAMSUNG
2	RC1005J101CS	100	Chip resistor - 0402	1	R202	SAMSUNG
3	RC1005J271CS	270	Chip resistor - 0402	1	R209	SAMSUNG
4	RC1005J222CS	2.2K	Chip resistor - 0402	2	R206-207	SAMSUNG
5	RC1005J472CS	4.7K	Chip resistor - 0402	1	R208	SAMSUNG
6	RC1005J104CS	100K	Chip resistor - 0402	1	R203	SAMSUNG
7	RC2012J104CS	100K	Chip resistor - 0805	1	L202	SAMSUNG
8	GRM1555C1H1R5C	1.5pF	Chip ceramic cap. - 0402	1	C204	MURATA
9	GRM1555C1H1R8C	1.8pF	Chip ceramic cap. - 0402	2	C206-207	MURATA
10	GRM1555C1H2R0C	2.0pF	Chip ceramic cap. - 0402	1	C205	MURATA
11	GRM1555C1H2R2C	2.2pF	Chip ceramic cap. - 0402	1	C209	MURATA
12	GRM1555C1H4R0C	4pF	Chip ceramic cap. - 0402	1	C218	MURATA
13	GRM1555C1H4R7C	4.7pF	Chip ceramic cap. - 0402	1	C213	MURATA
14	GRM1555C1H5R6C	5.6pF	Chip ceramic cap. - 0402	1	C211	MURATA
15	GRM1555C1H130J	13pF	Chip ceramic cap. - 0402	1	C212	MURATA
16	GRM1555C1H180J	18pF	Chip ceramic cap. - 0402	1	C203	MURATA
17	GRM1555C1H300J	30pF	Chip ceramic cap. - 0402	1	C215	MURATA
18	GRM1555C1H471J	47pF	Chip ceramic cap. - 0402	1	C201	MURATA
19	GRM155R71H102K	0.001UF	Chip ceramic cap. - 0402	3	C214 C216-217	MURATA
20	TZV022060A100	6PF	CAP TRIM	1	C208	MURATA
21	LQN21A56N04	56NH	WIRE WOUND INDUCTOR	1	L203	MURATA
22	0805CS-181XJLC	180nH	WIRE WOUND INDUCTOR	1	L205	COILCRAFT
23	0805LS-122XJLC	1.2UH	WIRE WOUND INDUCTOR	1	L201	COILCRAFT
24	0805LS-222XJLC	2.2UH	WIRE WOUND INDUCTOR	1	L204	COILCRAFT
25	1SV217		VARICAP DIODE	2	D201-202	TOSHIBA
26	2SC5086		LOW NOISE AMPLIFIER	2	Q201-202	TOSHIBA

RX-VCO ASS'Y

Item	Part No.	Value	Part Name	Qty	Reference	Manufacturer
1	RC1005J101CS	100	Chip resistor - 0402	1	R302	SAMSUNG
2	RC1005J151CS	150	Chip resistor - 0402	1	R309	SAMSUNG
3	RC1005J222CS	2.2K	Chip resistor - 0402	2	R306-307	SAMSUNG
4	RC1005J472CS	4.7K	Chip resistor - 0402	1	R308	SAMSUNG
5	GRM1555C1HR50C	0.5p	Chip ceramic cap. - 0402	1	C307	MURATA
6	GRM1555C1H1R8C	1.8pF	Chip ceramic cap. - 0402	1	C309	MURATA
7	GRM1555C1H2R7C	2.7pF	Chip ceramic cap. - 0402	1	C311	MURATA
8	GRM1555C1H4R7C	4.7pF	Chip ceramic cap. - 0402	1	C313	MURATA
9	GRM1555C1H100D	10pF	Chip ceramic cap. - 0402	1	C303	MURATA
10	GRM1555C1H160J	16pF	Chip ceramic cap. - 0402	2	C312 C315	MURATA
11	GRM1555C1H200J	20pF	Chip ceramic cap. - 0402	1	C318	MURATA
12	GRM1555C1H471J	470pF	Chip ceramic cap. - 0402	1	C301	MURATA
13	GRM155R71H102K	0.001UF	Chip ceramic cap. - 0402	3	C314 C316-317	MURATA
14	TZV02Z060A100	6PF	CAP TRIM	1	C308	MURATA
15	LQN21A56N04	56NH	WIRE WOUND INDUCTOR	1	L303	MURATA
16	0805CS-181XJLC	180nH	WIRE WOUND INDUCTOR	1	L305	COILCRAFT
17	0805LS-122XJLC	1.2UH	WIRE WOUND INDUCTOR	1	L301	COILCRAFT
18	0805LS-272XJLC	2.7UH	WIRE WOUND INDUCTOR	1	L304	COILCRAFT
19	1SV217		VARICAP DIODE	1	D301	TOSHIBA
20	2SC5086		LOW NOISE AMPLIFIER	2	Q301-302	TOSHIBA

FRONT-END ASS'Y

Item	Part No.	Value	Part Name	Qty	Reference	Manufacturer
1	RC1608J2R2CS	2.2	Chip resistor - 0603	1	R604	SAMSUNG
2	RC1608J181CS	180	Chip resistor - 0603	1	R602	SAMSUNG
3	RC1608J821CS	820	Chip resistor - 0603	1	R603	SAMSUNG
4	RC1608J332CS	3.3K	Chip resistor - 0603	2	R601 R605	SAMSUNG
5	CL10C130JB8NNNC	13pF	Chip ceramic cap. - 0603	1	C603	SAMSUNG
6	CL10C270JB8NNNC	27pF	Chip ceramic cap. - 0603	1	C601	SAMSUNG
7	CL10C300JB8NNNC	30pF	Chip ceramic cap. - 0603	1	C606	SAMSUNG
8	CL10C330JB8NNNC	33pF	Chip ceramic cap. - 0603	1	C618	SAMSUNG
9	CL10C360JB8NNNC	36pF	Chip ceramic cap. - 0603	2	C615 C619	SAMSUNG
10	CL10C470JB8NNNC	47pF	Chip ceramic cap. - 0603	1	C612	SAMSUNG
11	CL10C620JB8NNNC	62pF	Chip ceramic cap. - 0603	1	C610	SAMSUNG
12	CL10C101JB8NNNC	100pF	Chip ceramic cap. - 0603	1	C608	SAMSUNG
13	CL10C121JB8NNNC	120pF	Chip ceramic cap. - 0603	1	C609	SAMSUNG
14	CL10C151JB8NNNC	150pF	Chip ceramic cap. - 0603	1	C611	SAMSUNG
15	CL10C102JB8NNNC	0.001uF	Chip ceramic cap. - 0603	2	C616 C620	SAMSUNG
16	0.26X0.9X7.5T:L	7.5T (26NH)	COIL SPRING (SMD)	4	L604-605 L607-608	FUNABASHI UCHID
17	0805CS-680XJLC	68NH	Wire wound inductor	1	L601	COIL CRAFT
18	0805CS-820XJLC	82NH	Wire wound inductor	1	L602	COIL CRAFT
19	KDS226		Switching Diode	1	D601	KEC
20	2SC5084		Low noise RF Transistor	1	Q601	TOSHIBA

POWER AMP ASS'Y

Item	Part No.	Value	Part Name	Qty	Reference	Manufacturer
1	RC2012J000CS	0	Chip resistor - 0805	1	R(L707)	SAMSUNG
2	RC2012J220CS	22	Chip resistor - 0805	1	R706	SAMSUNG
3	RC2012J560CS	56	Chip resistor - 0805	1	R709	SAMSUNG
4	RC2012J820CS	82	Chip resistor - 0805	2	R707-708	SAMSUNG
5	RC2012J101CS	100	Chip resistor - 0805	1	R703	SAMSUNG
6	RC2012J242CS	2.4K	Chip resistor - 0805	1	R704	SAMSUNG
7	RC2012J272CS	2.7K	Chip resistor - 0805	1	R701	SAMSUNG
8	RC2012J302CS	3K	Chip resistor - 0805	1	R710	SAMSUNG
9	RC2012J392CS	3.9K	Chip resistor - 0805	1	R711	SAMSUNG
10	RC2012J822CS	8.2K	Chip resistor - 0805	1	R702	SAMSUNG
11	RC2012J473CS	47K	Chip resistor - 0805	1	R705	SAMSUNG
12	CL21C5R6CBAANNC	5.6pF	Chip ceramic cap. - 0805	1	C701	SAMSUNG
13	CL21C120JBANNNC	12pF	Chip ceramic cap. - 0805	1	C702	SAMSUNG
14	CL21C130JBANNNC	13pF	Chip ceramic cap. - 0805	1	C714	SAMSUNG
15	CL21C330JBANNNC	33pF	Chip ceramic cap. - 0805	1	C709	SAMSUNG
16	CL21C360JBANNNC	36pF	Chip ceramic cap. - 0805	2	C707 C717	SAMSUNG
17	CL21C430JBANNNC	43pF	Chip ceramic cap. - 0805	1	C704	SAMSUNG
18	CL21C510JBANNNC	51pF	Chip ceramic cap. - 0805	2	C713 C705	SAMSUNG
19	CL21B103KBANNNC	0.01uF	Chip ceramic cap. - 0805	5	C703 C706 C710 C712 C715	SAMSUNG
20	0805CS-560XJLC	56NH	Wire wound inductor	2	L701-702	COILCRAFT
21	0805CS-181XJLC	180NH	Wire wound inductor	1	L703	COILCRAFT
22	1.0X0.45X4T:R	4T	COIL SPRING	1	L706	SANHA
23	2.0X0.45X8T:L	8T	COIL SPRING	2	L704 L709	SANHA
24	0.26X0.9X7.5T:L	7.5T	COIL SPRING, SMD	2	L705 L708	FUNABASHI UCHID
25	KDS181		SWITCHING DIODE	1	D701	KEC
26	2SK3476		N-CH POWER MOSFET	1	Q703	TOSHIBA
27	PBR951		UHF WIDEBAND TR	1	Q701	PHILIPS
28	BFG135		UHF POWER TR	1	Q702	PHILIPS

VOLTAGE DOUBLER ASS'Y

Item	Part No.	Value	Part Name	Qty	Reference	Manufacturer
1	RC2012J000CS	0R	Chip resistor - 0805	1	D903	SAMSUNG
2	RC1005J100CS	10R	Chip resistor - 0402	1	R908	SAMSUNG
3	RC1005J222CS	2.2K	Chip resistor - 0402	2	R905 R907	SAMSUNG
4	RC1005J472CS	4.7K	Chip resistor - 0402	1	R906	SAMSUNG
5	RC1005J752CS	7.5K	Chip resistor - 0402	2	R902 R904	SAMSUNG
6	RC1005J273CS	27K	Chip resistor - 0402	2	R901 R903	SAMSUNG

7	GRM1555C1H221J	220pF	Chip ceramic cap. - 0402	2	C901-902	MURATA
8	GRM155R61A223K	0.022uF	Chip ceramic cap. - 0402	5	C904-905 C908-910	MURATA
9	GRM155R61A104K	0.1uF	Chip ceramic cap. - 0402	1	C911	MURATA
10	KDS226		SWITCHING DIODE	2	D901-902	KEC
11	KTA2014		GENERAL PURPOSE PNP TR	1	Q905	KEC
12	KTC4075		GENERAL PURPOSE NPN TR	4	Q901-904	KEC

DIGITAL BOARD ASS'Y

Item	Part No.	Value	Part Name	Qty	Reference	Manufacturer
1	RC1005J000CS	0R	Chip resistor - 0402	4	R462 R557 R561 R523	SAMSUNG
2	RC1608J000CS	0R	Chip resistor - 0603	16	LK421 LK423-424 LK413 LK409 LK427 LK415 LK407 LK417 LK431-432 LK411 LK419 LK435 LK404 LK439	SAMSUNG
3	RC2012J000CS	0R	Chip resistor - 0805	1	R(C508)	SAMSUNG
4	RC1005J100CS	10	Chip resistor - 0402	1	R475	SAMSUNG
5	RC1005J101CS	100	Chip resistor - 0402	11	R426 R458 R489 R505 R522 R423 R531 R535 R544 R549 R417	SAMSUNG
6	RC1005J121CS	120	Chip resistor - 0402	2	R510-511	SAMSUNG
7	RC1005J151CS	150	Chip resistor - 0402	1	R472	SAMSUNG
8	RC1005J221CS	220	Chip resistor - 0402	2	R488 R487	SAMSUNG
9	RC1005J821CS	820	Chip resistor - 0402	1	R528	SAMSUNG
10	RC1005J122CS	1.2K	Chip resistor - 0402	2	R563 R443	SAMSUNG
11	RC1005J242CS	2.4K	Chip resistor - 0402	1	R526	SAMSUNG
12	RC1005J302CS	3K	Chip resistor - 0402	1	R427	SAMSUNG
13	RC1005J332CS	3.3K	Chip resistor - 0402	1	R419	SAMSUNG
14	RC1005J392CS	3.9K	Chip resistor - 0402	1	R429	SAMSUNG
15	RC1005J472CS	4.7K	Chip resistor - 0402	5	R437 R428 R503-504 R515	SAMSUNG
16	RC1005J512CS	5.1K	Chip resistor - 0402	2	R441 R446	SAMSUNG
17	RC1005J912CS	9.1K	Chip resistor - 0402	1	R445	SAMSUNG
18	RC1005J103CS	10K	Chip resistor - 0402	31	R444 R455-457 R460-461 R403 R466 R469 R471 R476 R483 R492-496 R533 R551 R409-410 R564 R411 R425 R412 R574 R413-416 R585	SAMSUNG
19	RC1005J113CS	11K	Chip resistor - 0402	1	R554	SAMSUNG
20	RC1005J153CS	15K	Chip resistor - 0402	1	R532	SAMSUNG
21	RC1005J183CS	18K	Chip resistor - 0402	1	R555	SAMSUNG
22	RC1005J203CS	20K	Chip resistor - 0402	2	R482 R478	SAMSUNG
23	RC1005J223CS	22K	Chip resistor - 0402	8	R530 R534 R485 R470 R565 R473 R569 R422	SAMSUNG
24	RC1005J273CS	27K	Chip resistor - 0402	2	R442 R430	SAMSUNG
25	RC1005J303CS	30K	Chip resistor - 0402	2	R440 R439	SAMSUNG
26	RC1005J333CS	33K	Chip resistor - 0402	1	R477	SAMSUNG
27	RC1005J363CS	36K	Chip resistor - 0402	1	R438	SAMSUNG
28	RC1005J393CS	39K	Chip resistor - 0402	1	R481	SAMSUNG
29	RC2012J433CS	43K	Chip resistor - 0805	2	R434 R436	SAMSUNG
30	RC1005J473CS	47K	Chip resistor - 0402	16	R506-507 R484 R516-519 R524-525 R435 R465 R447 R570 R501-502 R583	SAMSUNG
31	RC1608J473CS	47K	Chip resistor - 0603	1	R512	SAMSUNG
32	RC1005J563CS	56K	Chip resistor - 0402	1	R406	SAMSUNG
33	RC1005J683CS	68K	Chip resistor - 0402	1	R463	SAMSUNG
34	RC1005J823CS	82K	Chip resistor - 0402	1	R527	SAMSUNG
35	RC1005J104CS	100K	Chip resistor - 0402	19	R404 R448 R486 R453 R405 R536-539 R542-543 R407 R556 R408 R468 R402 R474 R459 R421	SAMSUNG
36	RC1005J124CS	120K	Chip resistor - 0402	2	R431-432	SAMSUNG
37	RC1005J184CS	180K	Chip resistor - 0402	1	R418	SAMSUNG
38	RC1005J224CS	220K	Chip resistor - 0402	6	R420 R479 R513 R529 R562 R567	SAMSUNG
39	RC1005J474CS	470K	Chip resistor - 0402	2	R550 R540	SAMSUNG
40	RC1005J684CS	680K	Chip resistor - 0402	1	R500	SAMSUNG
41	RC2012J364CS	360K	Chip resistor - 0805	1	R433	SAMSUNG
42	RC1005J105CS	1M	Chip resistor - 0402	1	R467	SAMSUNG
43		47K	Thermistor	1	RTH402	MURATA
44	RH03ADCJ4X	22KB	VRES	1	RV401	ALPS
45	RH03ADC94X	47KB	VRES	1	RV402	ALPS
46	RH03ADC93X	4.7KB	VRES	1	RV403	ALPS
47	GRM1555C1H330J	33pF	Chip ceramic cap. - 0402	2	C442 C441	MURATA
48	GRM1555C1H470J	47pF	Chip ceramic cap. - 0402	2	C415 C417	MURATA
49	GRM1555C1H910J	91pF	Chip ceramic cap. - 0402	1	C503	MURATA
50	GRM1555C1H121J	120pF	Chip ceramic cap. - 0402	2	C428 C497	MURATA
51	GRM1555C1H151J	150pF	Chip ceramic cap. - 0402	2	C401-402	MURATA
52	GRM1555C1H201J	200pF	Chip ceramic cap. - 0402	1	C440	MURATA
53	GRM1555C1H301J	300pF	Chip ceramic cap. - 0402	1	C423	MURATA
54	GRM155R71H471J	470pF	Chip ceramic cap. - 0402	9	C465 C467 C450 C481 C492-493 C496 C460 C517	MURATA
55	GRM155R71H561J	560pF	Chip ceramic cap. - 0402	1	C499	MURATA
56	GRM188R71H911J	910pF	Chip ceramic cap. - 0603	1	C412	MURATA
57	GRM155R71H102K	0.001uF	Chip ceramic cap. - 0402	7	C439 C464 C472-476	MURATA
58	CL21C102KBCNNC	0.001uF	Chip ceramic cap. - 0805	1	C468	SAMSUNG
59	GRM155R71H152K	0.0015uF	Chip ceramic cap. - 0402	2	C406 C502	MURATA
60	GRM155R71H222K	0.0022uF	Chip ceramic cap. - 0402	2	C405 C410	MURATA
61	GRM155R71H272K	0.0027uF	Chip ceramic cap. - 0402	1	C446	MURATA
62	GRM155R71H332K	0.0033uF	Chip ceramic cap. - 0402	4	C431 C407-408 C445	MURATA
63	GRM155R71H472K	0.0047uF	Chip ceramic cap. - 0402	1	C409	MURATA
64	GRM155R71E682K	0.0068uF	Chip ceramic cap. - 0402	1	C437	MURATA
65	GRM155R71E103K	0.01uF	Chip ceramic cap. - 0402	2	C500 C516	MURATA
66	GRM188R71E123K	0.012uF	Chip ceramic cap. - 0603	1	C411	MURATA
67	GRM155R71E223K	0.022uF	Chip ceramic cap. - 0402	3	C436 C434 C416	MURATA
68	GRM155R71E333K	0.033uF	Chip ceramic cap. - 0402	5	C427 C488-490 C426	MURATA
69	GRM155R71E473K	0.047uF	Chip ceramic cap. - 0402	6	C424-425 C451 C454 C491 C513	MURATA
70	CL21B823JBCNNC	0.082uF	Chip ceramic cap. - 0805	1	C429	SAMSUNG

71	GRM155R71C104K	0.1uF	Chip ceramic cap. - 0402	19	C403 C413 C418 C420 C432-433 C435 C443-444 C449 C452 C463 C466 C487 C498 C511-512 C514 C521	MURATA
72	CL21B684K0FNNE	0.68uF	Chip ceramic cap. - 0805	1	C430	SAMSUNG
73	CL10A105K05LNNC	1uF	Chip ceramic cap. - 0603	1	C404	SAMSUNG
74	CL21A105K0FNNE	1uF	Chip ceramic cap. - 0805	3	C438 C458 C422	SAMSUNG
75	TCSVN1C105MAAR	1uF/16V	Tantalum Capacitor - A type	6	C461 C421 C478 C482 C457 C504	SAMSUNG
76	TCSVS1A475MAAR	4.7uF/10V	Tantalum Capacitor - A type	4	C414 C419 C462 C494	SAMSUNG
77	TCSVS0J106MAAR	10uF/6.3V	Tantalum Capacitor - A type	4	C453 C459 C448 C507	SAMSUNG
78	TCSVS0J106MPAR	10uF/6.3V	Tantalum Capacitor - P type	1	C477	SAMSUNG
79	TCSVS1E226MDAR	22uF/25V	Tantalum Capacitor - D type	2	C469 C501	SAMSUNG
80	TCSVS1C476MDAR	47uF/16V	Tantalum Capacitor - D type	1	C455	SAMSUNG
81	TCSVS0J107MDAR	100uF/6.3V	Tantalum Capacitor - D type	1	C456	SAMSUNG
82	74275010		Ferrite Bead	1	F401	WURTH ELEKTRONIK
83	1008LS103XJL	10uH	Wire wound inductor	1	L401	COILCRAFT
84	CAT24WC04J	4K-Bit	Serial EEPROM	1	IC402	CATALYST
85	K1A324F		Quad Operational Amplifier	6	IC404-405 IC408 IC411 IC416-417	KEC
86	K1A7042AF		Voltage Detector	1	IC414	KEC
87	LM386M-1		Audio Power Amplifier	1	IC412	NATIONAL SEMICONDUCTOR
88	74HC4053PW		Analog Multiplexers	1	IC409	PHILIPS
89	74HC4053D		Analog Multiplexers	1	IC415	PHILIPS
90	74HC4066D		Analog Switch	2	IC406-407	PHILIPS
91	MSFELP		Switched Capacitor Filter	1	IC410	MSI
92	NJM12903V		Single Supply Dual Comparator	1	IC403	JRC
93	TC7S66FU		Bilateral Switch	1	IC418	TOSHIBA
94	TMP87PS68DF		Micro Controller Unit	1	IC401	TOSHIBA
95	KRA104S		PNP Transistor (with bias res.)	4	Q401-402 Q405 Q413	KEC
96	KRC104S		NPN Transistor (with bias res.)	6	Q403 Q406 Q408 Q410-411 Q418	KEC
97	KTA1504		General Purpose PNP TR	2	Q407 Q417	KEC
98	S3B		3.0A General Purpose Rectifier	1	D403	VISHAY
99	KDS181		Switching Diode	1	D402	KEC
100	Z02W5.6Y	5.6V	ZENER-DIODE	3	D404-406	KEC
101	L-115VEGW		LED	1	LED401	KING BRIGHT
102	BB000H5AE	8MHz	X-TAL	1	X401	INTERQUIPE
103			DIP Switch	1	SW401	KOREA RELAY
104	CON18S		DUAL LINE 18PIN SOCKET	1	CON405	FINE
105	CON06H		DUAL LINE 6PIN HEADER	1	CON407	FINE
106	CON06S		SINGLE LINE 6PIN SOCKET	1	CON404	FINE
107	DB9		9PIN MALE DB CONNECTOR	1	CON401	FINE
108	CON14S		SINGLE LINE 14PIN SOCKET	1	CON403	FINE
109			PCB	1		

DC-DC CONVERTER ASS'Y

Item	Part No.	Value	Part Name	Qty	Reference	Manufacturer
1		0.033	Chip resistor - 0805	1	R804	YAGEO
2	RC1005J103CS	10K	Chip resistor - 0402	1	R801	SAMSUNG
3	RC1005J203CS	20K	Chip resistor - 0402	1	R806	SAMSUNG
4	RC1005J363CS	36K	Chip resistor - 0402	1	R802	SAMSUNG
5	RC1005J683CS	68K	Chip resistor - 0402	1	R805	SAMSUNG
6	GRM1555C1H510J	51pF	Chip ceramic cap. - 0402	2	C801 C804	MURATA
7	GRM1555C1H101J	100pF	Chip ceramic cap. - 0402	3	C806 C805 C812	MURATA
8	GRM1555C1H331J	330pF	Chip ceramic cap. - 0402	1	C803	MURATA
9	CL10B103KB8NNNC	0.01uF	Chip ceramic cap. - 0402	1	C810	SAMSUNG
10	CL10B104KA8NNNC	0.1uF	Chip ceramic cap. - 0603	2	C802 C808	SAMSUNG
11	TCSVS1C475MAAR	4.7uF/16V	Tantalum Capacitor - A type	1	C813	SAMSUNG
12	TCSVS1E226MDAR	22uF/25V	Tantalum Capacitor - D type	1	C807	SAMSUNG
13	TCSVS1C107MDAR	100uF/16V	Tantalum Capacitor - D type	2	C811 C815	SAMSUNG
14	SD73-3R3M	3.3uH	SMD-POWER CHOKE	1	L802	COILS ELECTRONIC
15	DA104-120M	12uH	SMD-POWER CHOKE	1	L801	COILS ELECTRONIC
16	KDS160		SWITCHING DIODE	1	D801	KEC
17	MBR5140T3		Schottky Power Rectifier	1	D802	ON SEMICONDUCTOR
18	SI4412DY		Single N-Channel MOSFET	2	Q801-802	VISHAY
19	LTC1435ACS		Step-down Switching Regulator	1	IC801	LINEAR TECHNOLOGY