

COMPONENT LIST (LG-TM250)

1. Accessories

Designation	LG Part No.	Q'ty	Maker	Remark
Desktop Charger	SGCD0023401	1	SUNLIN	
AC-DC Adaptor	SSAD0003101	1	ANOMA	
Battery	SBPL0066801	1	LGCI	
Holster	MHIY0000701	1	YOUSUNG	
Travel Charger	SGCT0001501	1	GUYANG	
Hands-Free Car Kit (Portable)	SGHP0002601	1	N3 CO	
Cigarette Lighter Charger	SGCC0001701	1	KUYANG	
Data Cable Kit	SGDY0001001	1	KUMWOO	
Headset	SGEY0000601	1	SINWOO	
USB Cable Kit	SGDY0004301	1	KUMWOO	

2. Board

Designation	LG Part No.	Q'ty	Maker	Remark
PCB Assy Main	SPFY0037801	1		

3. Mechanical Part List

NO	LG PART No.	DESCRIPTION	Q'TY	Remark
1	MKAZ0010001	KEYPAD	1	A
2	SJMY0003102	VIBRATOR,MOTOR	1	A
3	SURY0001506	RECEIVER	1	A
4	SUBY0004301	BUZZER	1	A
5	SACY0008601	PCB ASSY,FLEXIBLE	1	A
6	SVLY0014401	LCD	1	A
7	SNMF0003801	ANTENNA,MOBILE	1	A
8	GGZZ0001301	SCREW,TAPPING	4	A
9	MCCH0008703	CAP,SCREW	4	A
10	MWAC0021101	WINDOW,LCD	1	A
11	SBPL0066801	BATTERY PACK	1	D
12	ADCA0008401	DOVE ASSY,METAL	1	
13	GMZZ0003701	SCREW,MACHINE	4	
14	MBHY0004701	BUMPER	2	
15	MBIA0000301	BUSHING,ANTENNA	1	
16	MBJL0005401	BUTTON,SIDE	1	
17	MCCE0002005	CAP,RECEPTACLE	1	
18	MCCF0006801	CAP,MOBILE SWITCH	1	
19	MCIA0005401	CONTACT,ANTENNA	1	
20	MCJH0007201	COVER,FOLDER(LOWER)	1	
21	MCJJ0010101	COVER,FOLDER(UPPER)	1	
22	MCJK0011301	COVER,FRONT	1	
23	MCJN0008801	COVER.REAR	1	
24	MDAE0008301	DECO,FOLDER(UPPER)	1	
25	MFBA0001401	FILTER,BUZZER	1	
26	MFBC0003401	FILTER,SPEAKER	1	
27	MGAD0024601	GASKET,SHIELD FORM	1	
28	MGAD0024701	GASKET,SHIELD FORM	1	
29	MGAD0024801	GASKET,SHIELD FORM	1	
30	MGAD0024901	GASKET,SHIELD FORM	1	
31	MHFD0003801	HINGE,FOLDER	1	
32	MIAA0006501	INDICATOR,LED	1	
33	MIDZ0021801	INSULATOR	1	
34	MLAA0002502	LABEL,APPROVAL	1	
35	MLAN0000601	LABEL,QUALCOMM	1	
36	MLAZ0034701	LABEL	1	
37	MLEA0006801	LOCKER,BATTERY	1	
38	MMAA0000301	MAGNET,SWITCH	1	
39	MPBB0001001	PAD,BUZZER	1	
40	MPBG0007801	PAD,LCD	1	
41	MPBH0000201	PAD,MIKE	1	
42	MPBJ0005101	PAD,MOTOR	1	
43	MPBJ0007501	PAD,MOTOR	1	
44	MPBS0001701	PAD,FOLDER(UPPER)	1	
45	MPBZ0006001	PAD	1	
46	MPBZ0020901	PAD	1	
47	MPBZ0022001	PAD	1	
48	MPBZ0022901	PAD(BOARD CONNECTOR)	1	
49	MSDC0001101	SPRING,LOCKER	1	
50	MSFZ0000901	STICKER,OTA	1	
51	MSGB0001701	STOPPER,HINGE	1	
52	MTAA0014201	TAPE,DECO	1	
53	MTAB0008201	TAPE,PROTECTION	1	
54	MTAB0017301	TAPE,PROTECTION(WINDOW)	1	
55	MTAD0009001	TAPE,WINDOW	1	
56	MTAZ0015001	TAPE(BUZZER LOWER)	1	
57	SAFY0057601	PCB ASSY,MAIN	1	
58	SPKY0003401	PCB,SIDEKEY	1	

4. The Top of Main Board(Part No.SPFY0037801)

NO	Desig - No	Description	Maker - PN	ItemNo	Qty	Value	Remark
1	C207,C221,C425	CHIP - CAPACITOR	TDK	ECZH0001101	3	10n	
2	C320	VARISTOR	INNOCHIPS	SEVY0003601	1		
3	C322,C323,C324,C325, C326,C328,C329,C330,C331	CHIP - CAPACITOR	TDK	ECZH0001121	9	470p	
4	C431	TANTAL - CAPACITOR	TOWA	ECTZ0001302	1	10u - 6.3V	
5	C433	CHIP - CAPACITOR	TDK	ECZH0001201	1	100n	
6	C435,C437,C439,C440, C441,C442,C443,C444, C445,C446,C447,C448, C449	CHIP - CAPACITOR	TDK	ECZH0000825	13	22p	
7	C518	CHIP - CAPACITOR	TDK	ECZH0001501	1	1u	
8	C519	CHIP - CAPACITOR	TDK	ECZH0000813	1	100p	
9	C540,C541	CHIP - CAPACITOR	TDK	ECZH0001403	2	100n	
10	C555	CHIP - CAPACITOR	TDK	ECCH0002001	1	100n	
11	CON404	24PIN - CON	KYOCERA	ENBY0013701	1		
12	D301,D302,D303,D304, D306,D307,D407,D408,LED2	LED	SEOUL - IC	EDLH0007201	9		
13	LED1	CHIP - LED	CITIZEN	EDLA0000201	1		
14	Q303	GERNERAL - TR	KEC	EQBN0011801	1		
15	Q413	P - MOSFET	VISHAY	EQFP0001302	1		
16	Q414	DIGITAL - TR	KEC	EQBN0012801	1		
17	R306	RESISTOR	ROHM	ERHZ0000507	1	68k	
18	R311	RESISTOR	ROHM	ERHZ0000401	1	0	
19	R314	RESISTOR	ROHM	ERHY0003301	1	100	
20	R315	RESISTOR	ROHM		1	27k	
21	R319,R321,R322,R323, R324,R325,R326,R327, R328,R329	RESISTOR	ROHM	ERHZ0000484	10	470	
22	R533	RESISTOR	ROHM	ERHZ0000407	1	1m	
23	R555,R556	RESISTOR	ROHM		2	270	
24	R557,R558,R559,R560, R561,R562,R565	RESISTOR	ROHM	ERHZ0000285	7	470	
25	U412	HALL - EFFECT - SWITCH	ASAHIKASEI	EUSY0085701	1		

5. The Bottom of Main Board(Part No. SPFY0037800)

NO	Desig -No	Desc/Remark	Maker -PN	ItemNo	Qty	Value	Remark
1	U202	MEMORY-MCP	TOSHIBA	EUSY0151801	1		A
2	U414	PAM	CONEXANT	SMPY0003401	1		A
3	U415	PAM	CONEXANT	SMPY0003101	1		A
4	CON403	RECEPTACLE	LG-CABLE	ENRY0000601	1		B
5	U100	MOBILE-S/W	HRS	ENWY0002201	1		B
6	U140	VCO	FUJITSU	EXSC0006001	1		B
7	U201	MSM	QUALCOMM	EUSY0133501	1		B
8	CON300	EAR-JACK	POWERNET	ENJE0002201	1		C
9	U110	RFL6000	QUALCOMM	EUSY0133701	1		C
10	X201	RESONATOR	SEIKO	EXXY0004601	1		C
11	DP100	US-PCS-DUPLEXER	CTS	SDPY0002101	1		D
12	DP101	SAW_DUPLEXER	PANASONIC	SDDY0002001	1		D
13	U111	RFR6000	QUALCOMM	EUSY0133801	1		D
14	U141	TCXO	KYOCERA	EXSK0003201	1		D
15	U155	RFT6100	QUALCOMM	EUSY0133601	1		D
16	C110,C114,C115,C117,C173,C181,C182,C430,C434,C501,C502,C507,C513,C514,C530,C542,C563	CHIP-CAPACITOR	TDK	ECZH0000813	17	100p	
17	C111,C113,C223,C564	CHIP-CAPACITOR	TDK	ECZH0001201	4	100n	
18	C116	CHIP-CAPACITOR	TDK	ECZH0000823	1	1.8p	
19	C118,C119,C120,C121,C153	CHIP-CAPACITOR	TDK	ECZH0000812	5	10p	
20	C122,C123,C132,C141,C143,C145,C189,C206,C209,C212,C222,C225,C228,C231,C232,C306,C406,C457,C475,C476,C531,C533,C537,C543	CHIP-CAPACITOR	TDK	ECCH0002001	24	100n	
21	C124,C125	CHIP-CAPACITOR	TDK	ECZH0000808	2	7p	
22	C126,C152,C157,C160,C161,C163,C508,C510,C515,C522,C559,C572,C573	CHIP-CAPACITOR	TDK	ECZH0001109	13	1n	
23	C128,C130,C131,C140,C172,C183,C184,C191,C455,C565,C566	CHIP-CAPACITOR	TDK	ECZH0000838	11	47p	
24	C142,C158,C402,C517,C520,C539,C576	TANTAL-CAPACITOR	TOWA	ECTZ0001302	7	10u-6.3V	
25	C144,C146,C177,C178,C202,C205,C208,C210,C211,C213,C214,C220,C311,C415,C473,C521,C567	CHIP-CAPACITOR	TDK	ECZH0001101	17	10n	
26	C147	CHIP-CAPACITOR	TDK	ECZH0001204	1	47n	
27	C150,C176	CHIP-CAPACITOR	TDK	ECZH0000809	2	8p	
28	C159,C516	CHIP-CAPACITOR	TDK	ECZH0001123	2	330p	
29	C168	CHIP-CAPACITOR	TDK	ECZH0001115	1	2.2n	
30	C169,C401,C544	CHIP-CAPACITOR	TDK	ECZH0001206	3	68n	
31	C170	CHIP-CAPACITOR	TDK	ECZH0001107	1	5.6n	
32	C171	CHIP-CAPACITOR	TDK	ECZH0001207	1	82n	
33	C175,C568	CHIP-CAPACITOR	TDK	ECZH0000807	2	6p	
34	C194	CHIP-CAPACITOR	TDK	ECZH0001104	1	4.7n	
35	C201,C204	CHIP-CAPACITOR	TDK	ECZH0000826	2	27p	
36	C203	CHIP-CAPACITOR	TDK	ECZH0001504	1	680n	
37	C216,C217,C218,C219	CHIP-CAPACITOR	TDK	ECZH0001202	4	22n	
38	C226,C229	CHIP-CAPACITOR	TDK	ECZH0001208	2	15n	
39	C233,C234	CHIP-CAPACITOR	TDK	ECCH0002003	2	33n	
40	C305	6.3V-A-TANTAL	TOWA	ECTZ0001309	1	22u-6.3V	
41	C313	CHIP-CAPACITOR	TDK	ECZH0001501	1	1u	
42	C404	TANTAL-CAPACITOR	TOWA	ECTZ0001307	1	4.7u-6.3V	
43	C407,C408,C413,C414,C421,C423,C424,C426,C427,C428,C429,C432,C436,C438,C450	CHIP-CAPACITOR	TDK	ECZH0001121	15	470p	
44	C409,C410,C416,C417,C562	CHIP-CAPACITOR	MURA	ECZH0003501	5	1u	
45	C411,C454	CHIP-CAPACITOR	TDK	ECCH0002104	2	2.2u	
46	C418	CAPACITOR	TDK	ECCH0003002	1	10u	
47	C422,C536	10V-B2-TANTAL	TOWA	ECTZ0000511	2	33u-10V	
48	C512	CHIP-CAPACITOR	TDK	ECZH0000822	1	1.5p	
49	C524,C526	CHIP-CAPACITOR	TDK	ECZH0000849	2	200p	
50	C569,C570,C571	CHIP-CAPACITOR	TDK	ECZH0000841	3	56p	
51	D401,D415	DIODE-SWITCHING	KEC	EDSY0010601	2		
52	D402	DIODE-SWITCHING	ROHM	EDSY0000301	1		
53	D405	TVS-DIODE	ROHM	EDTY0005801	1		
54	F110	SAW_FILTER	EPCOS	SFSY0015001	1		
55	F111	SAW_FILTER	KYOCERA	SFSY0016101	1		
56	F112	SAW_FILTER	EPCOS	SFSY0016001	1		
57	F150	SAW_FILTER	EPCOS	SFSY0015101	1		
58	F152	SAW_FILTER	FUJITSU	SFSY0016201	1		
59	L110	CHIP-INDUCTOR	TOKO	ELCH0001408	1	6.8n	

5. The Bottom of Main Board(Part No. SPFY0037800)

NO	Desig - No	Desc/Remark	Maker - PN	ItemNo	Qty	Value	Remark
60	L111,L409	CHIP-INDUCTOR	TOKO	ELCH0001405	2	3.3n	
61	L112,L115	CHIP-INDUCTOR	TOKO	ELCH0001425	2	82n	
62	L113,L117	CHIP-INDUCTOR	TOKO	ELCH0001402	2	18n	
63	L114,L403,L405,L416,L417,L419	BEAD-INDUCTOR	CERA	SFBH0000903	6		
64	L116	CHIP-INDUCTOR	TOKO	ELCH0001418	1	39n	
65	L118,L119,L120	COIL-INDUCTOR	TOKO	ELCH0001406	3	4.7n	
66	L121,L122	CHIP-INDUCTOR	TOKO	ELCH0001401	2	15n	
67	L123	COIL-INDUCTOR	TOKO	ELCH0001407	1	5.6n	
68	L404	INDUCTOR	CERA	SFBH0000905	1		
69	L410	CHIP-INDUCTOR	TOKO		1	8.2n	
70	L424,L429,L430	CHIP-INDUCTOR	TOKO	ELCH0001430	3	100n	
71	L428	CHIP-INDUCTOR	TOKO	ELCH0001410	1	12n	
72	Q140,Q300	INVERTER	TOSHIBA	EUSY0073401	2		
73	Q150,Q151	TRANSISTOR	ROHM	EQBN0005101	2		
74	Q304	TRANSISTOR	ROHM	EQBN0005301	1		
75	Q305,Q403	GENERAL - TR	KEC	EQBN0007601	2		
76	Q401,Q402	DIGITAL-TRANSISTOR	ROHM	EQBN0004703	2		
77	Q405	PNP-TRANSISTOR	KEC	EQBP0004102	1		
78	Q406	NPN-DIGITAL-TR	ROHM	EQBN0004302	1		
79	Q407	GENERAL-TR	ROHM	EQBN0001001	1		
80	Q408	TRANSISTOR	KEC	EQBA0000601	1		
81	R110,R116,R167,R203,R474	RESISTOR	ROHM	ERHY0003301	5	100	
82	R111,R117,R118	RESISTOR	ROHM	ERHZ0003202	3	5.76k	
83	R112,R113	RESISTOR	ROHM	ERHZ0000325	2	24	
84	R115,R165	RESISTOR	ROHM	ERHZ0003203	2	11.3k	
85	R141	RESISTOR	ROHM	ERHZ0000402	1	10	
86	R142	RESISTOR	ROHM	ERHZ0000490	1	51	
87	R145,R316	RESISTOR	ROHM	ERHZ0000201	2	100	
88	R151	RESISTOR	ROHM	ERHZ0000406	1	100k	
89	R153,R161,R531	RESISTOR	ROHM	ERHZ0000485	3	4.7k	
90	R157,R160	RESISTOR	ROHM	ERHZ0000458	2	300	
91	R162	RESISTOR	ROHM	ERHZ0000475	1	3.9k	
92	R163	RESISTOR	ROHM	ERHZ0000443	1	2.2k	
93	R164	RESISTOR	ROHM	ERHY0003401	1	1.8k	
94	R168	RESISTOR	ROHM	ERHZ0000211	1	1.2k	
95	R169,R257,R401,R460,R461,R506,R532,R553	RESISTOR	ROHM	ERHZ0000405	8	10k	
96	R202,R215,R332,R470,R552	RESISTOR	ROHM	ERHZ0000404	5	1k	
97	R206,R207	RESISTOR	ROHM	ERHZ0000243	2	2.2k	
98	R208,R212	RESISTOR	ROHM	ERHZ0000231	2	180k	
99	R209,R211	RESISTOR	ROHM	ERHZ0000203	2	10k	
100	R210	RESISTOR	ROHM	ERHZ0000494	1	510k	
101	R213	RESISTOR	ROHM	ERHZ0000537	1	680k	
102	R214	RESISTOR	ROHM	ERHZ0000205	1	1m	
103	R217	RESISTOR	ROHM	ERHZ0000281	1	39.2k	
104	R218	THERMISTOR	MURATA	SETY0001401	1		
105	R219	RESISTOR	ROHM	ERHZ0000222	1	150k	
106	R305	RESISTOR	ROHM	ERHZ0000257	1	2.7k	
107	R402,R403,R503,R504	RESISTOR	ROHM	ERHZ0000300	4	56k	
108	R404	RESISTOR	ROHM	ERHZ0000407	1	1m	
109	R405,R407,R412,R440,R505	RESISTOR	ROHM	ERHZ0000444	5	22k	
110	R406	RESISTOR	ROHM	ERHZ0000487	1	470k	
111	R414,R415,R416,R417,R418,R419,R420,R421,R422,R423,R424	RESISTOR	ROHM	ERHZ0000484	11	470	
112	R450	RESISTOR	ROHM	ERHZ0000701	1	0	
113	R451	RESISTOR	ROHM	ERHZ0000486	1	47k	
114	R452	RESISTOR	ROHM	ERHY0003501	1	220	
115	R453,R465,R493,R494,R500,R547,R563,R571,R573,R538,R539	RESISTOR	ROHM	ERHZ0000401	11	0	
116	R467	RESISTOR	ROHM	ERHZ0000212	1	12k	
117	R469	RESISTOR	ROHM	ERHZ0000730	1	33	
118	R475	RESISTOR	ROHM	ERHZ0000491	1	510	
119	R492	RESISTOR	ROHM	ERHZ0000488	1	4.7	
120	R543	RESISTOR	ROHM	ERHZ0000204	1	100k	
121	R566,R567	VARISTOR	INNOCHIPS	SEVY0003601	2		
122	R570,R468	RESISTOR	ROHM	ERHZ0000702	2	10	
123	R572	RESISTOR	ROHM	ERHZ0000428	1	18	
124	U151	LOAD-SWITCH	FAIRCHILD	EUSY0080901	1		
125	U401	LDO	NATIONAL	EUSY0133902	1		
126	U402,U405,U406	LDO	NS	EUSY0133904	3		
127	U403	LDO	ANALOGIC-TECH	EUSY0151701	1		
128	U404	LDO	ANALOGIC-TECH	EUSY0151901	1		
129	U407	LDO	ANALOGIC-TECH	EUSY0147704	1		

5. The Bottom of Main Board(Part No. SPFY0037800)

NO	Desig - No	Desc/Remark	Maker - PN	ItemNo	Qty	Value	Remark
130	U520	SP3T_S/W	ANAGITICS	EUSY0152001	1		
131	U521	SPDT - S/W	NEC	EUSY0064201	1		