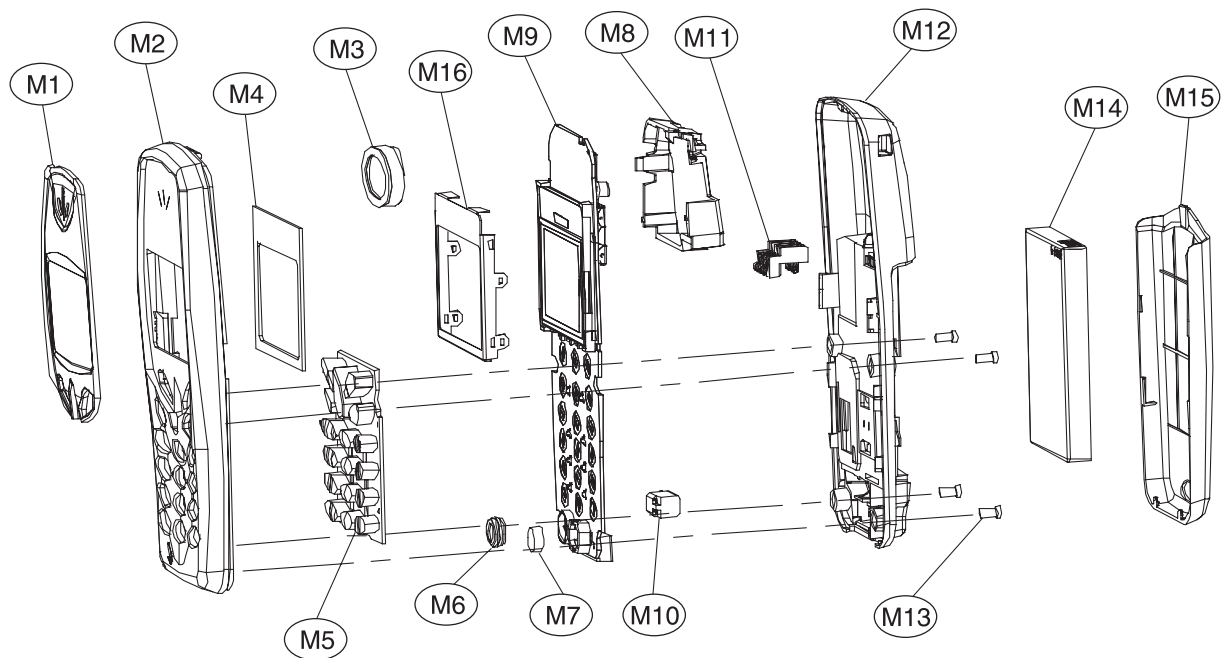


11. EXPLODED VIEW & REPLACEMENT PART LIST

11-1 Exploded View



11. EXPLODED VIEW & REPLACEMENT PART LIST

< Parts List of Exploded View >

No	Location No.	LG Part No.	GVC Part No.	Description	Specification	Service
M1		MWAC0019201	R3870160R0	LCD Lens	LCD Window	Y
M2		MHDA0005501	R2710267R0	Upper Case	(Cobalt Blue)	Y
		MHDA0005502	R2710268R0	Upper Case	(Titanium)	Y
		MHDA0005503	R2710266R0	Upper Case	(Red)	Y
M3		LS301SUSY0006501	HJ00118040	Speaker/Receiver/Buzzer 6x2.2OB-2	Speaker/Receiver/Buzzer 6x2.2OB-2	Y
M4		-	R3630096G0	Sponge for LCM		N
M5		MKAA0004601	R3920058G0	Keypad Rubber Metal Dome	Keypad Rubber	Y
M6		SUMY0004301	HJ110043C0	MICROPHONE & RUBBER	6x2.2 OB-22S42-C1033 DUAL	Y
M7		SBCL0001101	R383003180	Backup Battery 3V 1.8mAh VL621	3V 5mAh	Y
M8		SNGF0000901	R3930027H0	ANTENNA EMBEDDED(IN BUILD)	Internal Antena	Y
M9		SAFY0054401	84044599	Main Board + Key Board (Main PCB Ass'y)	Main Board + Key Board	Y
M10		MPBZ0014801	R400001580	Vibrator	15x8mm	Y
M11		J103ENTB0003601	R3010216M0	Battery Connector	Battery Connector	Y
M12		MHDB0005401	R2720177R0	Lower Case	(Cobalt Blue)	Y
		MHDB0005402	R2720178R0	Lower Case	(Titanium)	Y
		MHDB0005403	R2720176R0	Lower Case	(Red)	Y
M13		-	R3220063U0	Screws	M1.6x4mm	N
M14		SBPL0064501	JB040094A0	Battery pack	600mAh Li-Ion	Y
M15		MCJA0003401	R2770018R0	Battery Cover	(Cobalt Blue)	Y
		MCJA0003402	R2770019R0	Battery Cover	(Titanium)	Y
		MCJA0003403	R2770017R0	Battery Cover	(Red)	Y
M16		MHGD0001301	R385003400	LCM Metal Sheet 39.4x36.3x0.2t(LCM cap)	39.4x36.3x0.2t	Y

11-2 Accessories



Travel Adapter



Portable Handsfree

< Accessories >

ITEM	Location No.	LG Part No.	GVC Part No.	Description	Specification	Service
1		SGEY0003001	JZ01008960	Headset	Ear micro phone	Y
2		SSAD0011301	JB100133C0	Switching Travel Charger, (Round Pin) RUS Ver.	Europe Version (Round Pin) RUS Ver.	Y

11. EXPLODED VIEW & REPLACEMENT PART LIST

11-3 Replacement Part List

ITEM	Location No.	LG Part No.	GVC Part No.	Description	Specification	Service	Remark
1		-	84044599	Main Board + Key Board (Main PCB Ass'y)	Please refer to the 'Exploded View'	Y	M9
	U301	EUSY0137301	BG13909YS0	FLASH MEMORY GE28F160C3BC70 VF	VF8GA 48-BALL	Y	
	U202	EUSY0137304	CG010248B0	ASIC Nausicaa TWL3011GGM ABB μ	,BGA_100p (TI)	Y	
	U201	EUSY0137306	CG010288B0	F741529AGHH HERCROM20DBB ,BGA	,BGA_179p (TI)	Y	
	U601	EUSY0138201	CG01042DB0	TRF6150PAPR CLARA TRANSCEIVER	S-PQFP-G64 Rev3	Y	
	U602	EUSY0138202	CG31028YR0	IC Front End Module FEM8450T	FEM8450T	Y	
	U302	EUSY0137307	DA01047Y20	IC Audio Amplifier LM4902MM	LM4902MM MSOP-8	Y	
	U603	EUSY0138203	DA01048YT0	IC Power Amplifier RF3110	RF3110	Y	
	Q101	EUSY0137311	DE04096YD0	IC MOSFET+Schottky Diode Si483	Si483DY SO-8	Y	
	U604	EUSY0137308	DE04099Y30	IC INVERTOR SN74AHC1GU04DCKR	SN74AHC1GU04DCKR SOT353	Y	
	Z601	EUSY0138204	DE04103YZ0	IC BALUN LDB32920M05D-463	LDB32920M05D-463	Y	
	U101	EUSY0137309	DZ70939YI0	IC Low Drop Regulator RT9167-3	RT9167-30CB SOT25-5	Y	
	Q602	EQBN0013501	EA95857520	TR NPN BFR505T SOT416 (PHILIPS)	BFR505T SOT416	Y	
	Q301	EQBN0013601	EAE1000340	TR NPN Pair IMX9 SMT6 (ROHM)	IMX9 SMT6	Y	
	Q603	EQBP0007401	EB95001840	TR PNP DTA114YE EMT3 (ROHM)	DTA114YE EMT3	Y	
	Q302	EQBP0007601	EBE1000240	TR PNP Pair IMT17 SMT6 (ROHM)	IMT17 SMT6	Y	
	Q601	EQFP0004001	EGE10002T0	Dual P-Channel 1.8V MOSFET	1.8V MOSFET	Y	
	D103, D201	EDSY0011501	EJ12005840	SCHOTTKY DIODE RB751S-40 SOD52	RB751S-40 SOD523	Y	
	D313	EDSY0011601	EJE1001640	DIODE Pair DA221 SOT416 (ROHM)	DA221 SOT416	Y	
	D102	EDSY0011701	EJE1001740	DIODE Pair DAN222 SOT416	DAN222 SOT416	Y	
	D601, D602	EDVY0001601	EJE10018I0	Variable Capacitance Diode for	VCO HVC369B	Y	
	D301, D302, D303, D304, D304, D307, D308	EDLH0006701	EL500236K0	LED 0603 LTST-C190FKT GREEN	LTST-C190FKT GREEN	Y	
	D309, D310, D311, D312	EDLH0006703	EL500257K0	LED LTST-S220KGKT Green (LITEO)	LTST-S220KGKT Green	Y	
	Y201	EXXY0016101	EM432762T0	XTAL 32.768KHZ MS1V-TK 20PPM	32.768KHZ MS1V-TK 20PPM 12.5PF SMD 2P	Y	
	Y601	EXSC0005501	EMA0001410	VCO VON1885C28DKB (SAMSUNG)	VON1885C28DKB	Y	
	Y602	EXSK0003301	EN913003L0	VCTCXO 13MHz TOA1300VPM4DKG-SM	13MHz	Y	
	R317, R318	-	FM000330D0	CHIP RES 1/8W 5% 33ohm 2012	1/8W 5% 33ohm	N	
	R309	-	FM00039010	CHIP RES 1/8W 5% 39ohm 2012 Y	1/8W 5% 39ohm	N	
	R605	-	FM01022210	CHIP RES 1/10W 5% 2.2K 1608 YA	1/10W 5% 2.2K	N	
	R314, R637	-	FM21010110	CHIP RES 1/16W 5% 100ohm 1005	1/16W 5% 100ohm	N	
	R640	-	FM21010210	CHIP RES 1/16W 5% 1K 1005	1/16W 5% 1K	N	
	R209, R211, R315	-	FM210103D0	CHIP RES 1/16W 5% 10K 1005	1/16W 5% 10K	N	
	R111	-	FM210104D0	CHIP RES 1/16W 5% 100K 1005	1/16W 5% 100K	N	
	R629	-	FM210105D0	CHIP RES 1/16W 5% 1M 1005 ROHM	1/16W 5% 1M	N	
	R305	-	FM21012210	CHIP RES 1/16W 5% 1.2K 1005	1/16W 5% 1.2K	N	
	R613, R602	-	FM210122D0	CHIP RES 1/16W 5% 1.2K 1005	1/16W 5% 1.2K	N	
	R208, R217	-	FM210124D0	CHIP RES 1/16W 5% 120K 1005	1/16W 5% 120K	N	
	R633, R631	-	FM210150D0	CHIP RES 1/16W 5% 15ohm 1005	1/16W 5% 15ohm	N	
	R614, R316	-	FM210152D0	CHIP RES 1/16W 5% 1.5K 1005	1/16W 5% 1.5K	N	
	R606	-	FM210182D0	CHIP RES 1/16W 5% 1.8K 1005	1/16W 5% 1.8K	N	
	R102, R204	-	FM210203D0	CHIP RES 1/16W 5% 20K 1005	1/16W 5% 20K	N	
	R601	-	FM210221D0	CHIP RES 1/16W 5% 220ohm 1005	1/16W 5% 220ohm	N	
	R112, R604	-	FM210222D0	CHIP RES 1/16W 5% 2.2K 1005	1/16W 5% 2.2K	N	
	R216	-	FM21027110	CHIP RES 1/16W 5% 270ohm 1005	1/16W 5% 270ohm	N	
	R634	-	FM21027210	CHIP RES 1/16W 5% 2.7K 1005	1/16W 5% 2.7K	N	
	R609, R610	-	FM210330D0	CHIP RES 1/16W 5% 33ohm 1005	1/16W 5% 33ohm	N	
	R301, R608	-	FM210332D0	CHIP RES 1/16W 5% 3.3K 1005	1/16W 5% 3.3K	N	
	R110, R319	-	FM210470D0	CHIP RES 1/16W 5% 47ohm 1005	1/16W 5% 47ohm	N	
	R306	-	FM21047210	CHIP RES 1/16W 5% 4.7K 1005	1/16W 5% 4.7K	N	
	R304	-	FM21047310	CHIP RES 1/16W 5% 47K 1005	1/16W 5% 47K	N	

11. EXPLODED VIEW & REPLACEMENT PART LIST

ITEM	Location No.	LG Part No.	GVC Part No.	Description	Specification	Service	Remark
	R624, R625	-	FM210473D0	CHIP RES 1/16W 5% 47K 1005	1/16W 5% 47K	N	
	R108, R107	-	FM210479D0	CHIP RES 1/16W 5% 4.7ohm 1005	1/16W 5% 4.7ohm	N	
	R630	-	FM210561D0	CHIP RES 1/16W 5% 560ohm 1005	1/16W 5% 560ohm	N	
	R638	-	FM210680D0	CHIP RES 1/16W 5% 68ohm 1005	1/16W 5% 68ohm	N	
	R603	-	FM210681D0	CHIP RES 1/16W 5% 680ohm 1005	1/16W 5% 680ohm	N	
	R619	-	FM21068210	CHIP RES 1/16W 5% 6.8K 1005	1/16W 5% 6.8K	N	
	R616, R618	-	FM210689D0	CHIP RES 1/16W 5% 6.8ohm 1005	1/16W 5% 6.8ohm	N	
	R607	-	FM21082010	CHIP RES 1/16W 5% 82ohm 1005	1/16W 5% 82ohm	N	
	R627	-	FN219761T0	CHIP RES 1/16W 1% 9.76K 1005	1/16W 1% 9.76K	N	
	R101	-	FN90022830	CHIP RES 1/4W 1% 0.22ohm 2012	1/4W 1% 0.22ohm	N	
	R311, R312, R313	-	FP911015D0	CHIP RES ARRAY 1/16W 5% 100ohm	1/16W 5% 100ohm	N	
	R103, R307, R316	-	FP911024D0	CHIP RES ARRAY 1/16W 5% 1K	1/16W 5% 1K	N	
	R628, R210, R215	-	FP911025D0	CHIP RES ARRAY 1/16W 5% 1K	1/16W 5% 1K	N	
	R109	-	FP911035D0	CHIP RES ARRAY 1/16W 5% 10K	1/16W 5% 10K	N	
	R308, R206	-	FP911044D0	CHIP RES ARRAY 1/16W 5%	1/16W 5% 100K	N	
	R105, R104	-	FP914705D0	CHIP RES ARRAY 1/16W 5% 47ohm	1/16W 5% 47ohm	N	
	R617, R615	-	FP916814D0	CHIP RES ARRAY 1/16W 5%	1/16W 5% 680ohm	N	
	C610	-	GH022252P0	CHIP FILM 2012 2200P/50V J	2200P/50V J	N	
	C604	-	GH047222P0	CHIP FILM 2012 4.7n/16V J	4.7n/16V J	N	
	C612	-	GH112322P0	CHIP FILM 3216 12n/16V J 5%	12n/16V J 5%	N	
	C611	-	GH115322P0	CHIP FILM 3216 15n/16V J 5%	15n/16V J 5%	N	
	C603	-	GH133322P0	CHIP FILM 3216 33n/16V J	33n/16V J	N	
	C613	-	GM01025270	CHIP MONO 2012 .001U/50V J	0.001U/50V J	N	
	C208	-	GM010513J0	CHIP MONO 2012 1U/10V KX MURAT	1U/10V	N	
	C103, C319, C320, C321, C322, C323, C324, C325, C326, C327	- - -	GM010523J0	CHIP MONO 2012 1U/16V K	1U/16V K	N	
	C108, C224, C654	-	GM02251H70	CHIP MONO 2012 2.2U/10V MX	2.2U/10V MX	N	
	C106, C329	-	GM04751870	CHIP MONO 2012 4.7U/10V ZY TAI	4.7U/10V ZY	N	
	C631, C649, C650, C651	-	GM04751K70	CHIP MONO 2012 4.7u/10V KR	4.7u/10V KR	N	
	C101, C223, C225, C226, C227	-	GM11060K70	CHIP MONO 3216 10U/6.3V K/X5R	10U/6.3V K/X5R	N	
	C602	-	GM41025270	CHIP MONO 1608 .001U/50V J TAI	0.001U/50V J	N	
	C104	-	GM41042370	CHIP MONO 1608 .1U/16V KX	0.1U/16V KX	N	
	C656, C306, C307	-	GM41050570	CHIP MONO 1608 1u/6.3V M	1u/6.3V M	N	
	C207	-	GM42241370	CHIP MONO 1608 0.22U/10V K/X7R	0.22U/10V K/X7R	N	
	C643	-	GM60105B70	CHIP MONO 1005 1P/50V CN	1P/50V CN	N	
	C632	-	GM60505B70	CHIP MONO 1005 5P/50V CN	5P/50V CN	N	
	C615	-	GM60792A70	CHIP MONO 1005 0.7P/16V BN	0.7P/16V BN	N	
	C203, C204	-	GM61005C70	CHIP MONO 1005 10P/50V DN	10P/50V DN	N	
	C614	-	GM61015270	CHIP MONO 1005 100P/50V JN	100P/50V JN	N	
	C212, C619, C620, C645, C652, C653	- -	GM61025370	CHIP MONO 1005 .001U/50V KX	0.001U/50V KX	N	
	C648, C109	-	GM61032370	CHIP MONO 1005 0.01U/16V KX	0.01U/16V KX	N	
	C107, C206, C213, C214, C215, C216, C217, C218, C219, C220, C221, C222, C304, C305, C608, C639, C315, C316, C618, C640, C664, C662	- - - - - -	GM61041370	CHIP MONO 1005 .1u/10v K X5R	0.1u/10v K X5R	N	
	C626, C627, C629, C634	-	GM61205270	CHIP MONO 1005 12P/50V JN	12P/50V JN	N	
	C665	-	GM61215270	CHIP MONO 1005 120P/50V JN	120P/50V JN	N	
	C616	-	GM61595B70	CHIP MONO 1005 1.5P/50V CN	1.5P/50V CN	N	

11. EXPLODED VIEW & REPLACEMENT PART LIST

ITEM	Location No.	LG Part No.	GVC Part No.	Description	Specification	Service	Remark
	C205	-	GM61805270	CHIP MONO 1005 18P/50V JN	18P/50V JN	N	
	C105, C636	-	GM62205270	CHIP MONO 1005 22P/50V JN	22P/50V JN	N	
	C102	-	GM62232370	CHIP MONO 1005 0.022U/16V KX	0.022U/16V KX	N	
	C617, C646, C605, C621, C668	-	GM62705270	CHIP MONO 1005 27P/50V JN	27P/50V JN	N	
	C622, C623	-	GM62795B70	CHIP MONO 1005 2.7P/50V CN	2.7P/50V CN	N	
	C657, C658	-	GM63302270	CHIP MONO 1005 33P/50V JN	33P/50V JN	N	
	C211	-	GM63331370	CHIP MONO 1005 33n/10V K/X7R	33n/10V K/X7R	N	
	C607	-	GM63395270	CHIP MONO 1005 3.3P/50V JN	3.3P/50V JN	N	
	C308	-	GM63925370	CHIP MONO 1005 0.0039U/50V KX	0.0039U/50V KX	N	
	C606	-	GM63995BJ0	CHIP MONO 1005 3.9P/50V CN MUR	3.9P/50V CN	N	
	C110, C111, C112, C228, C231, C301, C309, C310, C311, C312, C313, C330, C331, C332, C333, C334, C336, C337, C338, C628,	-	GM64705270	CHIP MONO 1005 47P/50V JN	47P/50V JN	N	
	C633	-	GM64705270	CHIP MONO 1005 47P/50V JN	47P/50V JN	N	
	C209, C210	-	GM64715370	CHIP MONO 1005 470P/50V KX	470P/50V KX	N	
	C601, C644	-	GM656952J0	CHIP MONO 1005 5.6P/50V JN	5.6P/50V JN	N	
	C609	-	GM66805270	CHIP MONO 1005 68P/50V JN	68P/50V JN	N	
	C663, C314	-	GM66815370	CHIP MONO 1005 680P/50V KX	680P/50V KX	N	
	C660	-	GM66895270	CHIP MONO 1005 6.8P/50V JN	6.8P/50V JN	N	
	L608, L614	-	HB11001040	CHIP INDUCTOR 1005 6.8nH 300mA	6.8nH 300mA10%	N	
	L606, L607	-	HB11028940	CHIP INDUCTOR 1005 10nH 250mA	10nH 250mA 10%	N	
	L612	-	HB11029140	CHIP INDUCTOR 1005 22nH 250mA	22nH 250mA 10%	N	
	L604, L605	-	HB11030440	CHIP INDUCTOR 1005 1.8nH 300mA	1.8nH 300mA ±0.3nH	N	
	L603, L602	-	HB11031340	CHIP INDUCTOR 1005 120nH 250mA	120nH 250mA10%	N	
	L613	-	HB11033040	CHIP INDUCTOR 1005 100nH 100mA	100nH 100mA+/-5%	N	
	L601	-	HB110331U0	CHIP INDUCTOR 1005 2.7nH ±0.1	2.7nH ±0.1nH 220mA	N	
	L609	-	HB110335U0	CHIP INDUCTOR SMD 1608 15nH ±	15nH ± 2% 150mA	N	
	D104	-	HH000010X0	ESD Protection P0402FC08C P040	P0402FC08C P0402FC	N	
	D101	-	HH000011X0	ESD Protection TVS Diode P0402	P0402FC15C	N	
		-		MICROPHONE & RUBBER 6x2.2 OB-2	Please refer to the 'Exploded View'	Y	M6
		-		Backup Battery 3V 1.8mAh VL621	Please refer to the 'Exploded View'	Y	M7
	DS301	SVLM0003501	JG100159W0	LCD MODULE G112064-22 FSTN 28P	LCD Module	Y	
		-	KG10240000	BOARD A316 100.5mmx39mmx6	100.5mmx39mmx6Layer	N	
			R3010195S0	I/O 3 in 1 MQ203-A-16R-PWJ HRS		N	
		-		ANTENNA EMBEDDED(IN BUILD)	Please refer to the 'Exploded View'	Y	M8
			R401A011S0	METAL CAN RF A316		N	
2		-	R3870160R0	LCD Lens	Please refer to the 'Exploded View'	Y	M1
3		-	R385003400	LCM Metal Sheet 39.4x36.3x0.2(LCM cap)	Please refer to the 'Exploded View'	Y	M16
4		-	R3920058G0	Keypad Rubber Metal Dome	Please refer to the 'Exploded View'	Y	M5
5	Upper Case	-		Cobalt Blue	Please refer to the 'Exploded View'	Y	M2
		-		Titanium	Please refer to the 'Exploded View'	Y	
		-		Bordeaux	Please refer to the 'Exploded View'	Y	
6	Lower Case	-		Cobalt Blue	Please refer to the 'Exploded View'	Y	M12
		-		Titanium	Please refer to the 'Exploded View'	Y	
		-		Bordeaux	Please refer to the 'Exploded View'	Y	
7	Battery Cover	-		Cobalt Blue	Please refer to the 'Exploded View'	Y	M15
		-		Titanium	Please refer to the 'Exploded View'	Y	
		-		Bordeaux	Please refer to the 'Exploded View'	Y	

11. EXPLODED VIEW & REPLACEMENT PART LIST

ITEM	Location No.	LG Part No.	GVC Part No.	Description	Specification	Service	Remark
8		MCCF0005701	R3814025G0	Rubber Cap for Antenna	Rubber Cap for Antenna	Y	
10		-	R400001580	Vibrator	Please refer to the 'Exploded View'	Y	M10
11			R3010204M0	SIM Connector		N	
12	LS301	-	HJ00118040	Speaker/Receiver/Buzzer 6x2.2OB-2	Please refer to the 'Exploded View'	Y	M3
13	J103	-	R3010216M0	Battery Connector	Please refer to the 'Exploded View'	Y	M11
			R301016960	RF Mechanical Connector		N	
14	Screws	-	R3220063U0	M1.6x4L	Please refer to the 'Exploded View'	N	M13
15	Sponge						
			R3830030S0	Microphone Holder		N	
		-	R3630096G0	Sponge for LCM	Please refer to the 'Exploded View'	N	M4
			R3830031S0	Backup Battery Holder		N	
1	Battery Pack	-	JB040094A0	600mAh Li-Ion	Please refer to the 'Exploded View'	Y	M14