

Component List(LG-VX 4400)

1. Accessory

Design No	LG Part No.	Description	Q'ty	Remark
1	AMBA0005801	MANUAL ASSY,OPERATION	1	
2	SBPL0065401	BATTERY PACK,LI-ION	1	
3	SSAD0003101	ADAPTOR,AC-DC	1	
4	SGCD0023201	CHARGER,DESKTOP	1	
5	MHIY0000501	HOLSTER	1	

2. PCB

Design No	LG Part No.	Description	Q'ty	Remark
1	SPEY0018401	PCB,KEYPAD	1	
2	SPFY0054901	PCB,MAIN	1	
3	SPCY0007301	PCB,FLEXIBLE	1	

3. Mechanical Part

LG Part No.	Value	Description	Q'ty	Remark
ACGJ0014601	No. 2, 3, 4, 5, 6, 7, 8, 9, 34, 35, 51, 54, 61	COVER ASSY UPPER		CASE
ACGH0009101	No. 14, 15, 16, 17, 18, 21	COVER ASSY LOWER		CASE
ACGK0016801	No. 26, 27, 28, 30	COVER ASSY FRONT		CASE
ACGM0013901	No. 36, 37, 38, 40, 41, 42, 43, 44, 47, 57	COVER ASSY REAR		CASE
MWAF0005301		WINDOW,LCD(SUB)	1	CASE
MHFD0000501		HINGE,FOLDER	1	CASE
MWAC0020701		WINDOW,LCD	1	CASE
GMZZ0006001	M1.4 X 3.5	SCREW MACHINE	4	CASE
MCCH0007401		CAP,SCREW	2	CASE
MCCE0005301		CAP,RECEPTACLE	1	CASE
MCCF0006401		CAP,MOBILE SWITCH	1	CASE
MCCF0006301		CAP,MOBILE SWITCH	1	CASE
SNMR0005301		ANTENNA	1	CASE
GMZZ0001701	M1.7 X 4.0	SCREW MACHINE	4	CASE
MKAZ0009801		KEYPAD	1	A
MTAE0004001		TAPE,WINDOW(SUB)	1	
MDAE0007701		DECO,FOLDER(UPPER)	1	
MTAA0012701		TAPE,DECO	1	
MCJJ0009701		COVER,FOLDER(UPPER)	1	
MFBC0001701		FILTER,SPEAKER	1	
MPBQ0005001		PAD,LCD(SUB)	1	
MPBJ0003802		PAD,MOTOR	1	
MPBF0001101		PAD,FLEXIBLE PCB	1	
SACY0007301		PCB ASSY,FLEXIBLE	1	
MPBJ0003801		PAD,MOTOR	1	
MPBG0007501		PAD,LCD	1	
MPBF0001201		PAD,FLEXIBLE PCB	1	
MMAA0000301		MAGNET,SWITCH	1	
MCJH0006301		COVER,FOLDER(LOWER)	1	
MSGB0000501		STOPPER,HINGE	1	
MTAD0008401		TAPE,WINDOW	1	
MCCH0001409		CAP,SCREW	2	
MBJL0005201		BUTTON,SIDE	1	
MIAA0006501		INDICATOR,LED	1	
MCJK0010901		COVER,FRONT	1	
SUMY0000803		MICROPHONE	1	
SAEY0018401		PCB ASSY,KEYPAD	1	
MFEA0002601		FRAME,SHIELD	1	
SAFY0054901		PCB ASSY,MAIN	1	
MTAB0006301		TAPE,PROTECTION	1	
MGAB0004501	40.5 X 13	GASKET,EMI 5	1	
MFCA0000503		FINGER,GROUND	1	
ACFY0001001		CONTACT ASSY,ANTENNA	1	
MCJN0008301		COVER,REAR	1	
MSDC0003701		SPRING,LOCKER	1	
MLAN0000601	BLACK TEXT	LABEL,QUALCOMM	1	
MLEA0006301		LOCKER,BATTERY	1	
MTAZ0007701		TAPE (LABEL FUNCTION)	1	
MLAG0000301		LABEL,FUNCTION	1	
SBPL0065401		BATTERY PACK	1	
MGAD0014001	14X8 , t=0.3	GASKET,SHIELD FORM	1	
MGAB0003601	14X28.8	GASKET,EMI	1	
MGAD0013901	4X5 , t=2	GASKET,SHIELD FORM	1	
MGAB0003701	16.2X4 , t=1.0	GASKET,EMI	1	
MGAD0017601	6X4 , t=3	GASKET,SHIELD FORM	1	
MGAB0004401	37.3X13	GASKET,EMI	1	
MGAB0004301	12X3	GASKET,EMI	1	
MFCA0000502	2PIN	FINGER,GROUND	1	
MSFZ0000901	BLACK TEXT	STICKER, OTA	1	
MLAZ0032902	WHITE TEXT	LABEL, OTA	1	

ADCA0008201	DIMPLE TYPE	DOMES ASSY,METAL	1	
MIDZ0015701		INSULATOR	1	
MPBZ0020101	PORON	PAD	1	
MLAA0002502		LABEL,APPROVAL	1	

* Remarks is grades of parts sorted according to frequency in use.

'A' means that a part is most frequently used.

* Please ensure GCSC since these parts changed depending upon the buyer's request, quality improvement, etc.

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4. The top of board

Desig -No	ItemNo	Value	Description	Qty	Remark
CON601	ENBY0011601	20 PIN,0.5 mm,ETC , ,	20PIN - PLUG - CON	1	A
CON600	ENBY0002110	30 PIN,0.5 mm,STRAIGHT , ,	30PIN - CONNECTOR - SOCKET	1	A
U301	EUSY0089201	TSSOP ,24 PIN,R/TP ,FRACTIONAL PLL	FRACTIONAL - PLL	1	A
U401	EUSY0094101	FBGA ,208 PIN,R/TP ,MSM5100	MSM5100	1	A
U602	EUSY0133401	P - FBGA69 ,69 PIN,R/TP , 64M Flash + 16M SRAM MCP	FLASH - MEMORY	1	A
U302	EXSC0004801	MHz, PPM, pF,SMD , 9.0*7.0*2.0 ,DUAL VCO (1390/2139MHz)	DUAL - VCO	1	A
X200	EXSK0003201	19.2 MHz,1.5 PPM,10 pF,SMD , 5.0*3.2*1.5 ,2.8V	TCXO	1	A
X401	EXXY0004601	.032768 MHz,20 PPM,7 pF, 65000 ohm,SMD ,6.9*1.4*1.3 ,	RESONATOR	1	A
DP102	SDDY0001802	836.5 MHz,881.5 MHz,2.5 dB,4.0 dB, 40 dB,50 dB,5.0*5.0*1.8 ,SMD ,	SAW - DUPLEXER	1	C
U502	EUSY0102401	, PIN,R/TP ,Audio AMP	AUDIO - AMP	1	C
U103	SFAY0001601	824~894MHz ,1850~1990MHz ,0.45 dB, 0.5 dB,20 dB,19 dB,2012 ,	DIPLEXER	1	D
U506	EUSY0118901	16 - Pin MLF ,16 PIN,R/TP , Universal Serial Bus Transceiver	USB - TRANCEIVER	1	D
C111,C112	ECZH0000802	1 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	2	
C100	ECZH0000811	.5 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C203,C600	ECZH0000812	10 pF,50V ,D ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	2	
C303,C305,C307,C309,C310, C315,C326,C329,C330	ECZH0000813	100 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	9	
C102,C103,C108,C109,C223, C304,C317,C519,C520,C521	ECZH0001109	1000 pF,50V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	10	
C171,C202,C210,C302,C311, C319,C328,C403,C626,C627, C632,C633,C701,C703,C740, C316,C404,C409,C513,C526, C527,C532,C533,C538,C545, C586,C629	ECZH0001101	10000 pF,16V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	16	
C426,C427,C511,C514,C618	ECCH0002001	100000 pF,6.3V ,K ,B ,HD ,1005 ,R/TP	CHIP - CAPACITOR	12	
C425,C536,C537	ECZH0000818	15 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	5	
C406,C411	ECZH0001208	0.015 uF,50V ,Z ,Y5V ,HD ,1005 ,R/TP	CHIP - CAPACITOR	3	
C603,C605,C606,C607,C608, C611,C614,C615,C616,C617, C619,C620,C621,C622,C623	ECZH0000849	200 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	2	
C423,C424,C548,C549	ECZH0000825	22 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	15	
C170	ECZH0001202	0.022 uF,16V ,Z ,Y5V ,HD ,1005 ,R/TP	CHIP - CAPACITOR	4	
C501,C503,C506,C508,C522, C523	ECZH0000826	27 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C507	ECZH0000830	33 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	6	
C104	ECZH0000833	39 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C217	ECZH0001121	470 pF,50V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	1	
C172	ECCH0002002	47000 pF,10V ,K ,B ,HD ,1005 ,R/TP	CHIP - CAPACITOR	1	
C405,C410	ECZH0001108	6800 pF,25V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	1	
C322	ECZH0001403	0.1 uF,16V ,K ,X7R ,HD ,1608 ,R/TP	CHIP - CAPACITOR	2	
C324,C430,C500	ECZH0001411	22000 pF,50V ,K ,X7R ,HD ,1608 ,R/TP	CHIP - CAPACITOR	1	
C516,C518,C780,C781,C782, C783	ECZH0001401	0.22 uF,10V ,K ,X7R ,HD ,1608 ,R/TP	CHIP - CAPACITOR	3	
C742	ECZH0003501	1 uF,6.3V ,K ,X5R ,HD ,1608 ,R/TP	CHIP - CAPACITOR	6	
C510	ECCH0002104	2.2 uF,10V ,K ,B ,TC ,2012 ,R/TP	CHIP - CAPACITOR	1	
C325	ECTZ0000503	1.0 uF,10V ,K ,STD ,2012 ,R/TP	P - TANTAL	1	
C530,C534,C700,C702	ECTZ0001307	4.7 uF,6.3V ,M ,STD ,2012 ,R/TP	TANTAL - CAPACITOR	1	
C587	ECTZ0001302	10 uF,6.3V ,M ,STD ,2012 ,R/TP	TANTAL - CAPACITOR	4	
C504,C505	ECTZ0000505	10 uF,10V ,K ,STD ,3216 ,R/TP	10V - A - TANTAL	1	
L145	SEVY0004601	5.6 V ,SMD ,825pF, 1608	VARISTOR	2	
L107	ELCH0001408	6.8 nH,J ,1005 ,R/TP ,	CHIP - INDUCTOR	1	
L106	ELCH0001569	1.5 nH,S ,1608 ,R/TP ,	CHIP - INDUCTOR	1	
L100	ELCH0001550	56 nH,J ,1608 ,R/TP ,	CHIP - INDUCTOR	1	
L500,L501,L502,L503,L740	ELCH0002602	150 nH,J ,1608 ,R/TP ,	COIL - INDUCTOR	1	
R311	SFBH0000905	600 ohm,1608 ,	INDUCTOR	5	
R308,R615,R624	ERHZ0000201	100 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R516,R517,R700	ERHY0003201	1000 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	3	
R423,R701	ERHZ0000203	10 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	3	
R310	ERHZ0000205	1 Mohm,1/16W ,F ,1005 ,R/TP	RESISTOR	2	
R216	ERHZ0000206	1 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R117	ERHZ0000218	1400 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R509,R510	ERHZ0000221	15 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R100	ERHZ0000240	20 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	2	
R543	ERHZ0000242	220 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R705	ERHZ0000243	2200 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R500	ERHZ0000244	22 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R511	ERHZ0000268	33 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R306	ERHZ0000288	470 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
	ERHZ0000292	4.7 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	

R130,R309,R328,R413,R414,R430,R436,R437,R520,R550,R553,R562,R563,R590,R591,R592,R593,R594,R628,R642,R643,R644,R645,R646,R647,R695	ERHZ0000401	0 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	26	
R327	ERHY0003301	100 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R300,R301,R302,R303,R410,R412,R418,R601,R602,R605,R6	ERHZ0000404	1 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	11	
R408,R409,R411,R428,R558,R627,R631,R780,R781	ERHZ0000405	10 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	9	
R212,R506	ERHZ0000406	100 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	2	
R557	ERHZ0000529	1.5 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R522,R523	ERHZ0000433	180 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	2	
R650,R651,R652	ERHZ0000441	22 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	3	
R218,R401	ERHY0003501	220 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	2	
R704	ERHZ0000444	22 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R304	ERHZ0000445	220 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R118	ERHZ0000531	270 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R419	ERHZ0000465	3300 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R518	ERHZ0000474	390 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R607	ERHZ0000483	47 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R519	ERHZ0000484	470 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R415,R503	ERHZ0000485	4700 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	2	
R400,R507,R789,R801,R802	ERHZ0000486	47 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	5	
R435	ERHZ0000514	8200 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R600,R626,R796	ERHZ0000701	0 ohm,1/10W ,J ,1608 ,R/TP	RESISTOR	3	
R539	ERHZ0000723	2200 ohm,1/10W ,J ,1608 ,R/TP	RESISTOR	1	
R402	ERHZ0000741	4.7 ohm,1/10W ,J ,1608 ,R/TP	RESISTOR	1	
R548,R549	SEVY0004101	5.6 V , SMD ,360pF, 1005	VARISTOR	2	
R546,R547	SEVY0004301	18 V , SMD ,10pF, 1005	VARISTOR	2	
D701	EDSY0000301	EMD3 ,20 V,0.2 A,R/TP ,	DIODE - SWITCHING	1	
D700	EDSY0000401	EMD3 ,80 V,.3 A,R/TP ,	DIODE - SWITCHING	1	
D702	EDSY0006201	SS-MINI TYPE 2-PIN ,30 V,30 mA,R/TP ,	SCHOTTKY - BARRIER - DIODE	1	
F100	SFSY0014601	183.6 MHz,7.0*5.0*1.8 ,SMD ,	SAW - FILTER	1	
Q506	EQBP0006401	ESM ,100 mW,R/TP ,	DIGITAL - TR	1	
Q400,Q500,Q600,Q700,Q701	EQBN0012401	ESM ,100 mW,R/TP ,NPN TRANSISTOR	NPN - TR	5	
Q601	EQBN0007601	SOT-23 ,0.15 W,R/TP ,	GENERAL - TR	1	
Q201,Q403	EUSY0073401	, PIN,R/TP ,INVERTER	INVERTER	2	
Q401	EQBP0003001	UMT6 ,.15 W,R/TP ,	PNP - TR	1	
SW600,SW601,SW602	ESCY0000701	12 V,.05 A,HORIZONTAL , G,	LIGHT - TOUCH - S/W	3	
U740	EUSY0109501	SOT-23-5 ,5 PIN,R/TP ,LDO	LDO	1	
U107	EUSY0139501	UCSP ,4 PIN,R/TP ,RF Power Detectors	RF - POWER - DETECTOR	1	
U507	EUSY0130101	10 uMAX ,10 PIN,R/TP ,CMOS Analog Switches	CMOS - ANALOG - SW	1	
U780	EUSY0088502	MSOP-10 ,10 PIN,R/TP , Charge Pump Regulator with 4.5V output	CHARGE - PUMP	1	
X402	EXRY0001101	48.0 MHz,0.1 % ,6 pF,SMD , 2.5*2.0*1.0 ,Ceramic Resonator	48M - RESONATOR	1	

4. The bottom of board

Desig -No	ItemNo	Value	Description	Qty	Remark
CON500	ENJE0000301	3 ,5 PIN,	EARJACK	1	A
CON501	ENRY0000601	18 PIN,0.5 mm,ETC , ,	RECEPTACLE	1	A
U304	SMPY0003701	28.5 dBm,32 % , A, -46.5 dBc,31.5 dB,6.0*6.0*1.55 , SMD ,824-849MHz	PAM	1	A
U202	EUSY0110701	BCC ,48 PIN,R/TP ,	IF - BASEBAND - CONVERTER	1	A
U102	SNMF0002202	2 , -6 dB,(GPS / Ceramic chip)	GPS - ANT	1	A
U303	SMPY0002701	28 dBm,33 % ,55 mA, -51 dBc,27 dB, 6.0*6.0*1.7 ,SMD , 3.5V US-PCS SMART	PAM	1	A
U105	EUSY0110601	BCC ,32 PIN,R/TP ,	RX - ASIC	1	A
U203	EUSY0064702	BCC32 ,32 PIN,R/TP , CELLULAR/PCS	RFT3100 - CELLULAR - PCS	1	A
DP100	SDPY0002401	1880 MHz,1960 MHz,3.5 dB,4.0 dB, 46 dB,57 dB, 19.7*6.8*4.6 ,SMD ,	DUPLEXER	1	C
U104	ENWY0001401	Straight ,SMD ,0.6 dB,	RF - MOBILE - SW	1	C
U100	ENWY0001801	STRAIGHT ,SMD ,2 dB, 3000PCS/REEL	MOBILE - S/W	1	C
C105,C334	ECZH0000802	1 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	2	
C300	ECZH0000803	2 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C239	ECZH0000804	3 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C135,C150,C349	ECZH0000806	5 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	3	
C144	ECZH0000808	7 pF,50V ,D ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C231	ECZH0000809	8 pF,50V ,D ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C178	ECZH0000811	.5 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C211,C345	ECZH0000812	10 pF,50V ,D ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	2	
C120,C124,C127,C128,C152,C153,C154,C212,C216,C222,C233,C249,C308,C313,C323,C550	ECZH0000813	100 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	16	
C156,C157,C158,C159,C161,C162,C163,C164,C169,C177,C213,C220,C221,C226,C228,C236,C252,C339	ECZH0001109	1000 pF,50V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	18	
C113,C119,C122,C123,C126,C132,C133,C215,C229,C251,C253,C254,C255,C256,C257,C258,C259,C260,C321,C351,C354,C412,C413,C414,C415,C416,C417,C710,C711,C720,C721,C730,C731,C732	ECZH0001101	10000 pF,16V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	35	
C116,C125,C224,C232,C235,C237,C238,C248,C352,C353,C418,C419,C420,C421,C422,C428	ECCH0002001	100000 pF,6.3V ,K ,B ,HD ,1005 ,R/TP	CHIP - CAPACITOR	16	
C173,C190	ECZH0000816	12 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	2	
C208	ECZH0000821	18 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C129	ECZH0000822	1.5 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C166	ECZH0000849	200 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C531	ECZH0000825	22 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C151	ECCH0000901	2.2 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C121,C155	ECZH0000830	33 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	2	
C344	ECZH0001123	330 pF,50V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	1	
C225	ECZH0001118	3300 pF,50V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	1	
C241,C242	ECZH0000833	39 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	2	
C243,C244,C245,C246	ECZH0001119	390 pF,50V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	4	
C114,C142,C149,C165	ECZH0000834	3.3 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	4	
C143	ECZH0000836	3.9 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	1	
C218,C219,C227	ECZH0000838	47 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP - CAPACITOR	3	
C230,C540,C541,C542,C543,C544,C546,C547,C552,C553,C554	ECZH0001121	470 pF,50V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	11	
C234,C240	ECZH0001104	4700 pF,16V ,K ,X7R ,HD ,1005 ,R/TP	CHIP - CAPACITOR	2	
C429	ECCH0002002	47000 pF,10V ,K ,B ,HD ,1005 ,R/TP	CHIP - CAPACITOR	1	

C141	ECZH0000839	4.7 pF,50V ,C ,NP0 ,TC ,1005 ,R/TP	CHIP -CAPACITOR	1	
C268	ECZH0000841	56 pF,50V ,J ,NP0 ,TC ,1005 ,R/TP	CHIP -CAPACITOR	1	
C524,C525	ECZH0001206	0.068 uF,16V ,Z ,Y5V ,HD ,1005 ,R/TP	CHIP -CAPACITOR	2	
C265	ECZH0001412	0.047 uF,50V ,K ,X7R ,HD ,1608 ,R/TP	CHIP -CAPACITOR	1	
C264	ECZH0003401	1000 pF,25V ,J ,NP0 ,TC ,1608 ,R/TP	CHIP -CAPACITOR	1	
C247,C714	ECZH0003501	1 uF,6.3V ,K ,X5R ,HD ,1608 ,R/TP	CHIP -CAPACITOR	2	
C712,C723,C751	ECCH0002104	2.2 uF,10V ,K ,B ,TC ,2012 ,R/TP	CHIP -CAPACITOR	3	
C266	ECZH0001603	.47 uF,16V ,K ,X7R ,HD ,2012 ,R/TP	CHIP -CAPACITOR	1	
C118,C167,C312,C343,C355	ECZH0025501	4700000 pF,6.3V ,K ,X5R ,TC ,2012 ,R/TP	CHIP -CAPACITOR	5	
C261,C267	ECTZ0001302	10 uF,6.3V ,M ,STD ,2012 ,R/TP	TANTAL -CAPACITOR	2	
C713,C732	ECTZ0001307	4.7 uF,6.3V ,M ,STD ,2012 ,R/TP	TANTAL -CAPACITOR	2	
C214	ECTZ0001304	2.2 uF,6.3V ,M ,STD ,2012 ,R/TP	TANTAL -CAPACITOR	1	
C529	ECTZ0000511	33 uF,10V ,K ,STD ,3528 ,R/TP	10V -B2 -TANTAL	1	
L202,L207	ELCH0001409	10 nH,J ,1005 ,R/TP ,	CHIP -INDUCTOR	2	
L114,L124	ELCH0001401	15 nH,J ,1005 ,R/TP ,	CHIP -INDUCTOR	2	
L330	ELCH0001403	1 nH,S ,1005 ,R/TP ,	CHIP -INDUCTOR	1	
L302	ELCH0001404	1.5 nH,S ,1005 ,R/TP ,	CHIP -INDUCTOR	1	
L104	ELCH0001412	1.8 nH,S ,1005 ,R/TP ,	CHIP -INDUCTOR	1	
L111	ELCH0001413	22 nH,J ,1005 ,R/TP ,	CHIP -INDUCTOR	1	
L109,L137	ELCH0001415	2.2 nH,S ,1005 ,R/TP ,	CHIP -INDUCTOR	2	
L115	ELCH0001417	33 nH,J ,1005 ,R/TP ,	CHIP -INDUCTOR	1	
L201	ELCH0001405	3.3 nH,S ,1005 ,R/TP ,	CHIP -INDUCTOR	1	
L141	ELCH0001420	3.9 nH,S ,1005 ,R/TP ,	CHIP -INDUCTOR	1	
L128,L129	ELCH0001421	47 nH,J ,1005 ,R/TP ,	CHIP -INDUCTOR	2	
L140,C148	ELCH0001406	4.7 nH,S ,1005 ,R/TP ,	COIL -INDUCTOR	2	
L135	ELCH0001407	5.6 nH,S ,1005 ,R/TP ,	COIL -INDUCTOR	1	
L130,L131	ELCH0001431	68 nH,J ,1005 ,R/TP ,	CHIP -INDUCTOR	2	
L113,L132,L152,L206	ELCH0001408	6.8 nH,J ,1005 ,R/TP ,	CHIP -INDUCTOR	4	
L110,L150,L151,L203,L350	ELCH0001426	8.2 nH,J ,1005 ,R/TP ,	CHIP -INDUCTOR	5	
L112,L126,L127	ELCH0001430	100 nH,J ,1005 ,R/TP ,	CHIP -INDUCTOR	3	
R101	ELCH0001547	3.3 nH,S ,1608 ,R/TP ,	CHIP -INDUCTOR	1	
L209,L210	ELCH0001544	15 nH,J ,1608 ,R/TP ,	CHIP -INDUCTOR	2	
L211	ELCH0004201	27 nH,J ,1608 ,R/TP ,	CHIP -INDUCTOR	1	
L122,L134,L144	ELCH0001550	56 nH,J ,1608 ,R/TP ,	CHIP -INDUCTOR	3	
L204,L205	ELCH0001553	8.2 nH,J ,1608 ,R/TP ,	CHIP -INDUCTOR	2	
L133	ELCH0001555	220 nH,J ,1608 ,R/TP ,	CHIP -INDUCTOR	1	
L212	SFBH0000901	2200 ohm,1608 ,	BEAD -INDUCTOR	1	
L208,L710,L720,L730,L750,L780	SFBH0000905	600 ohm,1608 ,	INDUCTOR	6	
R243	ERHY0003201	1000 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R554,R560	ERHZ0000204	100 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	2	
R425	ERHZ0000205	1 Mohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R105	ERHZ0000206	10 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R222	ERHZ0000330	12.1 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R426	ERHZ0000253	24.9 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R110	ERHZ0000267	3300 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R213	ERHZ0000285	470 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R512,R513,R514,R515	ERHZ0000288	470 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	4	
R424	ERHZ0000301	560 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R104	ERHZ0000307	6200 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R427	ERHZ0000318	80.6 Kohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
R106	ERHZ0000319	8200 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	1	
C140,R102,R113,R120,R121,R225,R244,R245,R246,R250,R326,R429,R561,L175	ERHZ0000401	0 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	14	
R103	ERHZ0000402	10 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R219,R527,R528,R529,R532	ERHY0003301	100 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	5	
R221,R228,R232,R236,R237	ERHZ0000404	1 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	5	
R208,R209,R239,R240,R321,R404,R541,R545,R555	ERHZ0000405	10 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	9	
R538,R556,R710	ERHZ0000406	100 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	3	
R524	ERHZ0000407	1000 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R323	ERHZ0000419	15 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R238,R525,R526,R537,R799	ERHZ0000444	22 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	5	
R214,R223	ERHZ0000445	220 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	2	
R111,R112	ERHZ0000448	2400 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	2	
R324,R325	ERHZ0000531	270 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	2	

R109	ERHZ0000459	3 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R241,R242	ERHZ0000466	33 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	2	
R207	ERHZ0000471	3600 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R215,R217,R234,R235	ERHZ0000478	3.3 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	4	
R530,R533,R534,R542	ERHZ0000484	470 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	4	
R224,R540	ERHZ0000485	4700 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	2	
R730,R731,R800	ERHZ0000486	47 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	3	
R220	ERHZ0000514	8200 ohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	
R521,R531,R566,R567	SEVY0004101	5.6 V, ,SMD ,360pF, 1005	VARISTOR	4	
D204	EDSY0003501	1-1G1A ,30 V,.1 A,R/TP ,	SWITCH-DIODE	1	
D200,D201,D205,D206	EDVY0000101	1-1F1A ,15 pF,R/TP ,	DIODE	4	
D202,D203	EDVY0000104	1-1G1A ,9.7 pF,R/TP ,	SWITCH-DIODE	2	
D703	EDSY0000301	EMD3 ,20 V,0.2 A,R/TP ,	DIODE-SWITCHING	1	
D500	EDSY0000401	EMD3 ,80 V,.3 A,R/TP ,	DIODE-SWITCHING	1	
D100	EDSY0000901	SOT-323 ,100 V,1 A,R/TP ,	PIN-DIODE	1	
D501	EDSY0006201	SS-MINI TYPE 2-PIN , 30 V,30 mA,R/TP ,	SCHOTTKY- BARRIER-DIODE	1	
F102	SFSY0013901	1575.42 MHz,2.5*2.0*0.76 ,SMD , HIGH ATTENUATION	GPS-SAW-FILTER	1	
F302	SFSY0013301	1880 MHz,2.0*2.0*0.76 ,SMD , 183.6 MHz,9.15*4.8*1.6 ,SMD ,	SAW-FILTER	1	
F103	SFSY0010001	AMPS	AMPS-IF-SAW	1	
F301	SFSY0009601	836.5 MHz,2.5*2.0*0.8 ,SMD ,	TX-RF-SAW-FILTER	1	
F104	SFSY0009701	881.5 MHz,2.5*2.0*0.8 ,SMD ,	SAW-FILTER	1	
F101	SFSY0013701	1575.42 MHz,2.5*2.0*1.0 ,SMD , LOW LOSS	GPS-RF-FILTER	1	
Q204	EQFN0000301	SO-8 ,2.5 W, V, A,R/TP ,	C-MOSFET	1	
Q202	EQFN0002901	EMT3 ,150 mW,30 V,100 mA,R/TP ,	SILICON-N- CHANNEL -MOSFET	1	
Q305,Q508,Q751	EQBN0012401	ESM ,100 mW,R/TP ,NPN TRANSISTOR	NPN-TR	3	
Q502	EQBN0012801	ESM ,100 mW,R/TP ,NPN TRANSISTOR	DIGITAL-TR	1	
Q732	EQBN0012001	US6 ,200 mW,R/TP ,NPN TRANSISTOR	DUAL-DIGITAL -TRANSISTORS	1	
0	EQBA0000601	UMT5 ,.2 W,R/TP ,	TRANSISTOR	5	
Q203,Q505	EQBN0007601	SOT-23 ,0.15 W,R/TP ,	GENERAL-TR	2	
Q730,Q731	EQFP0001301	TSSOP-8 ,1 W, V, A,R/TP ,	P-CHANNEL-MOSFET	2	
Q304,Q504,Q507	EQFP0001302	TSSOP-8 ,1 W, V, A,R/TP ,	P-MOSFET	3	
Q402	EUSY0073401	, PIN,R/TP ,INVERTER	INVERTER	1	
TH401	SETY0004601	NTC ,68 Kohm,SMD ,2012	THERMISTER	1	
U106	SFSY0013201	1960 MHz,2.0*2.0*0.76 ,SMD ,	SAW-FILTER	1	
U720,U750	EUSY0112902	SOT-23-5 ,5 PIN,R/TP , 150mA CMOS LDO	LDO	2	
U710	EUSY0112903	SOT-23-5 ,5 PIN,R/TP , 150mA CMOS LDO	LDO	1	
U730	EUSY0109502	SOT-23-5 ,5 PIN,R/TP ,LDO	REGULATOR	1	
U110	MCBA0006801	FOR USPCS DUPLEXER	TM540_CAN	1	

6. Key_PCB

Desig-No	ItemNo	Value	Description	Qty	Position	Remark
CON800	ENBY0004502	20 PIN,0.5 mm,STRAIGHT	20PIN-PLUG-CON	1	Bottom	
Q800	EUSY0129501	SC-74A ,3 PIN,R/TP , HALL-EFFECT SWITCH	HALL-S/W	1	Top	
C800	ECCH0002001	100000 pF,6.3V ,K ,B ,HD , 1005 ,R/TP	CHIP-CAPACITOR	1	Top	
C801,C802,C803	ECZH0001101	10000 pF,16V ,K ,X7R ,HD , 1005 ,R/TP	CHIP-CAPACITOR	3	Top	
D800,D801,D802,D803, D804,D805,D806,D807, D809,D810,D811	EDLH0004501	BLUE ,1608 ,R/TP ,	LED	11	Top	
R802,R803,R804,R805, R806,R807,R808,R809	ERHZ0000235	200 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	8	Top	
R810,R811,R812	ERHZ0000201	100 ohm,1/16W ,F ,1005 ,R/TP	RESISTOR	3	Top	
R801	ERHZ0000404	1 Kohm,1/16W ,J ,1005 ,R/TP	RESISTOR	1	Top	
D808	EDLH0002301	1608 ,R/TP ,	RED-LED	1	Top	