

GS503-MAIN PCB BOM

PROJECT ENGINEER:		PZJ/LJC			BOM VERSION			V1.0		
GS503-V1.1 GPS MAIN PCB		GS503-MAIN-6326			DATE			2012-4-27		
New No.	Name	Description	Unit	Pcs	Remark	Manufacturer code	Alt. rate	Brand		
K31106503100	GS503B MB	45X1081mm FR4 layer 4	GS503B MB-V1.1_MAIN PCB	1	M		A			
K3111005085600	Chip Cap.	0.5pF±0.25pF 50V COG 0402	0628	1	M	GRM1555C1HR50C20ID	D	Murata/EYANG/YAGEO		
K3111010085600	Chip Cap.	1pF±0.25pF 50V COG 0402	C44	1	M	GRM1885C1HR0C20ID	D	Murata/EYANG/YAGEO		
K3111015085600	Chip Cap.	1.5pF±0.25pF 50V COG 0402	0627	1	M	GRM1555C1HR5C20ID	D	Murata/EYANG/YAGEO		
K3111018085600	Chip Cap.	1.8pF±0.25pF 50V COG 0402	0629	1	M	GRM1555C1HR8C20ID	D	Murata/EYANG/YAGEO		
K3111022085600	Chip Cap.	2.2pF±0.25pF 50V COG 0402	0624	1	M	GRM1555C1HR2C20ID	D	Murata/EYANG/YAGEO		
K311103085600	Chip Cap.	3.3pF±0.25pF 50V COG 0402	0622	1	M	GRM1555C1HR3C20ID	D	Murata/EYANG/YAGEO		
K3111047085600	Chip Cap.	4.7pF±0.25pF 50V COG 0402	0614 C615	2	M	GRM1555C1HR4C20ID	D	Murata/EYANG/YAGEO		
K3111056085600	Chip Cap.	5.6pF±0.25pF 50V COG 0402	C83 C84 C618 C619	4	M	GRM1555C1HR6C20ID	D	Murata/EYANG/YAGEO		
K3111060085900	Chip Cap.	6pF±0.5pF 50V COG 0402	L18 L17	2	M	GRM1555C1HR0D20ID	D	Murata/EYANG/YAGEO		
K3111070081900	Chip Cap.	7pF±0.5pF 50V COG 0402	C64	1	M	GRM1555C1HR0D20ID	D	Murata/EYANG/YAGEO		
K3111180984100	Chip Cap.	18pF±5% 50V COG 0402	C20	1	M	GRM1555C1HR180J20ID	D	Murata/EYANG/YAGEO		
K3111220085100	Chip Cap.	22pF±5% 50V COG 0402	C80 C85-86 C84 C101-102 C67 C87 C88 C37	11	M	GRM1555C1HR220J20ID	D	Murata/EYANG/YAGEO		
K3111330085100	Chip Cap.	33pF±5% 50V COG 0402	C14 C16-17 C107-108 C24 C402 C408 C410 C46 C43 C54 C69 C71-73 C251-252 C1 C19 C51-53 C90 C657	25	M	GRM1555C1HR330J20ID	D	Murata/EYANG/YAGEO		
K3111390085100	Chip Cap.	39pF±5% 50V COG 0402	0663 C76 C77	3	M	GRM1555C1HR390J20ID	D	Murata/EYANG/YAGEO		
K311101085100	Chip Cap.	100pF±5% 50V COG 0402	C39 C250 C13 C404-405	5	M	GRM1555C1H101J20ID	D	Murata/EYANG/YAGEO		
K3111221085100	Chip Cap.	220pF±5% 50V COG 0402	0636	1	M	GRM1555C1HR221J01ID	D	Murata/EYANG/YAGEO		
K311102085200	Chip Cap.	1nF±10% 50V X7R 0402	C330 C103 C438-440 C63 C639 C649	8	M	GRM1557R1H102KA01D	D	Murata/EYANG/YAGEO		
K311103065200	Chip Cap.	10nF±10% 25V X7R 0402	C27 C640	2	M	GRM1557R1E103KA01D	D	Murata/EYANG/YAGEO		
K3111473025200	Chip Cap.	47nF±10% 10V X7R 0402	C4 C40	2	M	GRM1557R1A473KA01D	D	Murata/EYANG/YAGEO		
K3111104025200	Chip Cap.	100nF±10% 10V X5R 0402	C140 C213 C3 C5-6 C70 C74 C201-203 C231 C240 C248-249 C45 C62 C531 C535 C15 C301 C91 C56 C623 C626 C635 C85 C652 C22 C143	29	M	GRM155R61A104KA01D	D	Murata/EYANG/YAGEO		
K311105025200	Chip Cap.	1uF±10% X5R 10V 0402	C204 C9 C229 C532-533 C11 C95 C23 C30 C33 C41 C625 C658 C659 C653 C651 T13	17	M	GRM155R61A105KE15D	D	Murata/EYANG/YAGEO		
K311105021200	Chip Cap.	1uF±10% X5R 10V 0603	C400	1	M	GRM188R61A105KA01D	C	Murata/EYANG/YAGEO		
K3111475011200	Chip Cap.	4.7uF±10% X5R 6.3V 0603	C205 C21 C7-8 C10 C12 C47 C409 C534 C58 C650 C32 C48	13	M	GRM188R60J475KE19D	C	Murata/EYANG/YAGEO		
K311106012300	Chip Cap.	10uF±20% X5R 6.3V 0805	C25 C50 C401 C403 C407	5	M	GRM21BR60J106ME19L	C	Murata/EYANG/YAGEO		
K311106012310	Chip Cap.	10uF±20% X5R 6.3V 0805 H=0.85mm	C25 C50 C401 C403 C407	5	T	GRM21BR60J106M*	C	Murata/EYANG/YAGEO		
K3162226010231	Chip Cap.	22uF±20% 6.3V 0805	C38	1	M	F920J226MPA	C	Nichicon		
K3162476010830	Chip Cap.	47uF 6.3V 3216 H=1.6mm	O61	1	M	TAJA476M006RNJ	B	AVX		
K3162476010832	Chip Cap.	47uF 6.3V 3216 H=1.6mm	O61	1	T	F930J476MA	B	Nichicon		
K3162476010831	Chip Cap.	47uF 6.3V 3216 H=1.6mm	O61	1	T	TTE5VA0J476MR/NRA47	B	NEC		
K3108400906530	Chip Resistor	0 Ω 5% 1/16W 0402	L5 R809 R610 R42 R511 L603 R11 C28	8	M	RC0402JR-070RL	D	YAGEO		
K3108410100530	Chip Resistor	100 Ω 5% 1/16W 0402	R16 R45 R46 R47 R19	5	M	RC0402JR-07100RL	D	YAGEO		
K31084221006530	Chip Resistor	220 Ω 5% 1/16W 0402	R10 R12 R34 R41 R44 R53 R70 R74 R27 R71	10	M	RC0402JR-07220RL	D	YAGEO		
K3108443111530	Chip Resistor	430 Ω 5% 1/16W 0402	R54 R56-57	3	M	RC0402JR-07430RL	D	YAGEO		
K3108410200530	Chip Resistor	1K 5% 1/16W 0402	R2 R3 R40 R32 R608 R37-39 R400	9	M	RC0402JR-071KRL	D	YAGEO		
K3108415200530	Chip Resistor	1.5K 5% 1/16W 0402	R14 R17 R402	3	M	RC0402JR-071K5L	D	YAGEO		
K3108439200530	Chip Resistor	3.9K 5% 1/16W 0402	R33	1	M	RC0402JR-073K9L	D	YAGEO		
K3108451200530	Chip Resistor	5.1K 5% 1/16W 0402	R512-513 R21 R5	4	M	RC0402JR-075K1L	D	YAGEO		
K3108410300530	Chip Resistor	10K 5% 1/16W 0402	R35 R604 R18	3	M	RC0402JR-0710KL	D	YAGEO		
K3108420300530	Chip Resistor	20K 5% 1/16W 0402	R208	1	M	RC0402JR-0720KL	D	YAGEO		
K3108424300530	Chip Resistor	24K 5% 1/16W 0402	R51	1	M	RC0402JR-0724KL	D	YAGEO		
K3108430300530	Chip Resistor	30K 5% 1/16W 0402	C92	1	M	RC0402JR-0730KL	D	YAGEO		
K3108447300530	Chip Resistor	47K 5% 1/16W 0402	R7	1	M	RC0402JR-0747KL	D	YAGEO		
K3108410400530	Chip Resistor	100K 5% 1/16W 0402	R211-212 R110	3	M	RC0402JR-07100KL	D	YAGEO		
K3108400021510	Chip Resistor	0 Ω 5% 1/10W 0603	R20 L12	2	M	RC0603JR-070RL	C	YAGEO		
K3108415011510	Chip Resistor	15 Ω 5% 1/10W 0603	R48 R6	2	M	RC0603JR-0715RL	C	YAGEO		
K310843021510	Chip Resistor	33 Ω 5% 1/10W 0603	R15	1	M	RC0603JR-0733RL	C	YAGEO		
K3108420831100	Chip Resistor	0.2 Ω 1% 1/8W 0805	R407	1	M	RL0805FR-070R2L	C	YAGEO		
K312140000027	Ferrite Bead	75 Ω ±25% 300mA/600mA 0402	R606 L620 L621 L15	4	M	BLM150B750SN1D	D	Murata/sunlord/chilisin		
K312140000015	Ferrite Bead	1000 Ω ±25% 200mA/100mA 0402	B2 R201 L13-14 R28 L400-402 R603-605	11	M	BLM15AG102SN1D	D	Murata/sunlord/chilisin		
K312140000075	Ferrite Bead	1500 Ω ±25% 400mA 0603	L3 L6-8 L10	5	M	BLM18HE152SN1D	C	Murata		
K312140000050	Ferrite Bead	2500 Ω ±25% 50mA/200mA 0603	L416-419 L12	5	M	BLM18RD252SN1D	C	Murata/sunlord/chilisin		
K3121440215600	Chip Inductor	1.5mH ±0.3mH 0402	L20	1	M	LQG15HS1NS02D	D	Murata/sunlord		
K3121440247610	Chip Inductor	4.7mH ±0.3mH 0402	L11 L601 L19	3	M	LQG15HS4NTS02D	D	Murata/sunlord		
K3121440268800	Chip Inductor	6.8mH ±5% 0402	L604	1	M	LQG15HS6N3J02D	D	Murata/sunlord		
K3121440218710	Chip Inductor	18mH ±5% 0402	L507 L606 L16 L9 L605	5	M	LQG15HS18N3J02D	D	Murata/sunlord		
K3121104012800	Chip Inductor	120mH ±5% 0402	C36	1	M	LQG15HSR12J02D	D	Murata/sunlord		
K3121104022800	Chip Inductor	220mH ±5% 0402	C42	1	M	LQG15HSR22J02D	D	Murata/sunlord		
K3110115402180	Chip Varistor	18V 15P 0402	T4-5 T7 T12 T14-T16 T309 T412-T414 E03-E06	15	M	AVLC18S02015	D	AMOTECH		
K3105520302102	Schottky diodes	LRBS205-30T16	D400 D413	2	M		C	LRIC		
K3107005105100	Zener Diode	5.1V 0603	D1	1	M	EDZ TE61 5.1B	C	EDZ		
K3106260399110	Chip LED	White 0603 H=0.4mm	LED1 LED8	2	M	BL-HZ3386-L8-TRB	C	BRIGHT		
K3106204333100	Chip LED	Orange 0603 H=0.4 mm	LED2-LED7 LED10 LED11	8	M	BL-HRC386-AV-TRB	C	BL		
K31020MF5853C0000005	Charge IC	MF5853C	U4	1	M		A	MEGA		
K310200AR1010000005	PM	AR1010-S85QFGT0	U503	1	M	AR1010-S85QFGT0	A	AR		
K3102000GM1316SN000005	GPS	DGM-1316SN	M1	1	M	DGM-1316SN	A	NEWTL		
K310200MT6139000005	RF Processer	MT6139B	U11	1	M	MT6139B	A	MTK		
K31020RD6222000005	RF PA	RD6222	U12	1	M	RD6222	A	RDA		
K310271GL0649000005	Flash	S71GL064NB0BH0P0(2.8V)	U100	1	M	S71GL064NB0BH0P0(2.8V)	A	SPANSION		
K31020MT6223D000005	Base Band	MT6223D	U1	1	M	MT6223D	A	MTK		
K3102SN4990D1000005	Audio Amp.	SN4990D1P09E	U3	1	M	SN4990D1P09E	A	SI-EN		
K3102DM87343000005	LDO	LDO 3.3V SOT-23-5	U16	1	M	EMP8734-33VF05GR	A	JINMG1		
K3136260002101	Chip Crystal	26MHz 10ppm SMD3.2x2.5 RF	U604	1	M	SQ3D02600R2JBA	A	SAMSUNG		
K3136327681321	Chip Crystal	32.768kHz 12.5pF±30ppm	X100	1	M	SSP-17	A	SIU		
K3102SF942P0000005	SAW Filter	900/1800MHZ 1814	U8	1	M	SF942P002	A	SAMSUNG		
K3102SF881PQ0000005	SAW Filter	850M 1411	U10	1	M	SF881PQ01/102	A	SAMSUNG		
K3102SF660MQ0000005	SAW Filter	1900M 1411	U5	1	M	SF660MQ01/102	A	SAMSUNG		
K3134230400010	Charging connector	D2.3mm	J1	1	M	PGC2.3-4.10-2P-6.0PH	B	TIANYHENG		
K3135036001010	Earphone Jack	3.5MM	J401	1	M	DAJ-063603CH	B	DAJI		
K313417453500	Side buttons	4.5X3.5X1.7	J701 J703 J704	3	M	Hv025-21210-001-7E-w	B	foxconn		
K3134521603210	SOS Button	5.2x5.2x1.6 pitch=3.7	SW2	1	M	TS-030	B	YSHENKE		
K3123SS572400	Toggle switch	H=2.0mm TRAVEL=2.0mm	SW1 SW3	2	M	SS57-2/SS5710607	B	ALPS		
K3149061518012	SIM Socket	24.6X17.7X1.8 6PIN	SIM2	1	M	SMG-06185-0103	B	YUANCHENG		
K3134250300012	Battery Connector	3PIN PH2.54mm H=6.2MM	B3	1	M	BS0051003	B	CHENGMAO		
K312S503B00000	PA Shield cover	Material C7521. 13.79x10x2.0		1	M	GS503	B			
K312GS5030001	RFSHield cover	Material C7521. 15.44x15.32x2.0		1	M	GS503	B			
K312GS5030002	Base Shield cover	Material C7521. 29.60x19.60x2.0		1	M	GS503	B			