

C800_MAINBOARD_V3.0

Item	Reference	Value
1	PCB	MainBoard PCB
2	B200, B201, B202, B203, B204, B207, L803	Bead 75
		Bead 80
3	B100, B214, B215	BEAD 180
		BEAD 120
4	L600, C631, C821	22pF
5	C129, T221, T222, C601	1nF
6	C103, C104, C105, C106, C107, C108, C110, C111, C113, C131, C200, C203, C208, C210, C221, C302, C424, C617, C640, C641, C648, C649, C650, C651, C654, C655, C824, C825, C914	0. 1uF
7	C114, C116, C120, C123, C125, C130	4. 7u (0603)
8	C118, C122, C124, C132, C300, C504, C820	1uF (0402)
9	T210, T211, C216, C223, C232, C233, C237, C240, C244, C246, C428, C618, C636, C637	33pF
10	C217, C500, C501	1uF (0603)
11	C202, C206	10uF (0805)
12	C133, C201, C215, C429, C658	22u (0805)
13	C218, C502, C503	2. 2u (0603)
14	C605, C616, C621, C623	5. 6p
15	C624, B802	100nH
		Substitution
16	C638	0. 5p
17	C656	1pF
18	C427	1. 5pF
19	C633, C639, C661, C662	6. 8p
20	C600, C603	82p
21	C642, C643	39p
22	C644	47pF
23	C204, C211, C234, C235, C245	100p

24	C602, C826	220p
25	L615	12pF
26	C101, C102	15p
27	C630, C632, C663, C665	18pF
28	C619	10nF
29	C823	22n
30	C660	33n
31	C112	47n
32	D200	Diode
		Substitution
		Substitution
		Substitution
31	D250, D251, D252, D253, D254, D255, D256, D257	red light
32	J402	6.8mm Battery Connectors
33	J400	usb 5 pin pillared
34	J200	EAR JACK $\Phi 3. \text{mm}$ 6Pin H=4.10 2.5MM
35	J403	SIM card Connectors
36	SD300	T-FLASH cassette
37	S200, S201	TACT Switch
		Substitution
38	S203, S204, S205	3 pin toggle switch
		Substitution
39	L612	4.7nH
40	C635	1.2nH
		Substitution
41	L604	3.3nH
		Substitution
42	L609	3.9nH
43	C657	10nH
44	L611	15nH

45	L617	22nH
46	R100, R101, R102, R103, R111, R420, R421, R607, C620, C822	0
47	R119	0.20 (1% 0805)
48	R605	10
49	R213, R214	12
50	R614	51
51	R108	6.8
52	R223, R224, R500	30
53	L601, L603	82
54	R216, R217	180
55	R612, R613, R617, R618	2.2K
56	R112	3.9K
57	R202, R204, R207, R219, R222, R610, R611, R615, R620	1K
58	R203, R205, R206	1.5K
59	R300, R301, R305, R310, R311, R313, R601, R800, R801	10k
60	R210	24K 1%
61	R115, R209	47K
62	R211	75K
63	R212, R221	100k
64	U100	BB IC
65	U102	PMOS with schottky
		Substitution
66	U202	Audio PA
		Substitution
		Substitution
		Substitution
67	U300	MCP
68	U602	RF Transceiver
69	U605	PA
		RF Xtal 26MHz

70	U604	Substitution
		Substitution
		Substitution
71	U807	FM Radio
72	X100	Xtal 32K
		Substitution
73	Z602	RX GSM&DCS SAW
74	Z604	PCS1900 RX SAW
		Substitution
		Substitution
		Substitution
		Substitution
75	Z601	GSM850 RX SAW
		Substitution
		Substitution
76	S1	C800 V3 RF-shielding

Date: 20100104

Part Number	Description	Quantity
C800_MAINBOARD_V3.0	C800_MAINBOARD_V3.0, 4F R4 PCB	1
BLM15BB750SN1D	Bead 0402 75+/-25% 300mA 0.4ohm RoHS	7
MGGB1005M800HT-LF	Bead 0402 80+/-25% 200mA 0.3ohm RoHS	
BLM18PG181SN1D	Bead 0603 180+/-25% 1.5A 0.09ohm RoHS	3
MGLB1608M121T-LF	Bead 0603 120+/-25% 1.2A 0.1ohm RoHS	
GRM1555C1H220JZ01D	C 22p 50V J 0402 C0G RoHS	3
GRM155R71H102KA01D	C 1n 50V K 0402 X7R RoHS	4
GRM155R61A104KZ01D	C 0.1u 10V K 0402 X5R RoHS	29
GRM188R60J475KE19	C 4.7u 6.3V K 0603 X5R RoHS	6
GRM155R61A105KZ01D	C 1u 10V K 0402 X5R RoHS	7
GRM1555C1H330JZ01D	C 33p 50V J 0402 C0G RoHS	14
GRM188R61C105KE01D	C 1uF 16V K 0603 X5R RoHS	3
GRM21BR60J106ME01D	C 10uF 6.3V M 0805 X5R RoHS	2
GRM21BF50J226ME39L	C 22u 6.3V M 0805 Y5V RoHS	5
GRM188R61C225KE01D	C 2.2u 16V K 0603 X5R RoHS	3
GRM1555C1H5R6CZ01C	C 5.6p 50V D 0402 C0G RoHS	4
LQG15HSR10J02	L 100nH 5% 0402 RoHS	2
MGCI1005TR10JT-LF	L 100nH 5% 0402 RoHS	
GRM1555C1HR50CZ01D	C 0.5p 50V C 0402 C0G RoHS	1
GRM1555C1H1R0CZ01D	C 1pF 50V C 0402 C0G RoHS	1
GRM1555C1H1R5CZ01D	C 1.5pF 50V C 0402 C0G RoHS	1
GRM1555C1H6R8CZ01D	C 6.8p 50V C 0402 C0G RoHS	4
GRM1555C1H820JZ01D	C 82p 50V J 0402 C0G RoHS	2
GRM1555C1H390JZ01D	C 39p 50V C 0402 C0G RoHS	2
GRM1555C1H470JA01D	C 47pF 50V J 0402 C0G RoHS	1
GRM1555C1H101JD01D	C 100p 50V J 0402 C0G RoHS	5

GRM1555C1H221JA01D	C 220p 50V J 0402 COG RoHS	2
GRM1555C1H12R02CZ01D	C 12pF 50V D 0402 COG RoHS	1
GRM1555C1H15R02CZ01D	C 15pF 50V D 0402 COG RoHS	2
GRM1555C1H180JA01D	C 18pF 50V J 0402 COG RoHS	4
GRM155R71E103KA01D	C 10n 25V K 0402 X7R RoHS	1
GRM155R71E223KA01D	C 22n 25V K 0402 X7R RoHS	1
GRM155R71E333KA01D	C 33n 25V K 0402 X7R RoHS	1
GRM155R71A473KA01D	C 47nF 10V K 0402 X7R RoHS	1
RB520S-30	Diode SOD-523 30V 0.2A lead free	1
1SS420	Diode SOD-523 30V 0.2A lead free	
CH521S-30PT	Diode SOD-523, 30V, 0.2A lead free	
SDM20U30	Diode SOD-523 30V 0.2A lead free	
BL-HUB36G-AV-TRB	0603 SMD, H=0.4mm, MAX 25mA, , RoHS	8
BT037-53006F2*2		1
USM01-055043F0*2		1
PJH05-600100BA08		1
MSI04-021861F2*2		1
MTF01-2323F-23222		1
ST-1186SE		2
SKRELGE010		
SS-1290		3
ssss811101		
MGCI1005T4N7ST-LF	L 4.7nH S 0402 RoHS	1
SDCL1005C1N2ST	L 1.2nH S 0402 RoHS	1
MGCI1005T1N2ST-LF	L 1.2nH S 0402 RoHS	
SDCL1005C3N3ST	L 3.3nH S 0402 RoHS	1
MGCI1005T3N3ST-LF	L 3.3nH S 0402 RoHS	
SDCL1005C3N9STF	L 3.9nH S 0402 RoHS	1
MGCI1005T10NJT-LF	L 10nH 5% 0402 RoHS	1
MGCI1005T15NJT-LF	L 15nH 5% 0402 RoHS	1

MGCI1005T22NJT-LF	L 22nH 5% 0402 RoHS	1
RC0402JR-07 0R	R 0 J 1/16W 0402 RoHS	10
RL0805FR-07 0R2	R 0.2 F 1% 1/8W 0805, RoHS	1
RC0402JR-07 10R	R 10 J 1/16W 0402 RoHS	1
RC0402JR-07 12R	R 12 J 1/16W 0402 RoHS	2
RC0402JR-07 51RL	R 51 J 1/16W 0402 RoHS	1
RC0603JR-07 6R8	R 6.8 J 1/8W 0603 RoHS	1
RC0402JR-07 30RL	R 30 J 1/16W 0402 RoHS	3
RC0402JR-07 82RL	R 82 J 1/16W 0402 RoHS	2
RC0402JR-07 180R	R 180 J 1/16W 0402 RoHS	2
RC0402JR-07 2K2	R 2.2K 1/16W 0402 RoHS	4
RC0402JR-07 3K9	R 3.9K J 1/16W 0402 RoHS	1
RC0402JR-07 1K	R 1K J 1/16W 0402 RoHS	9
RC0402JR-07 1K5	R 1.5K 1/16W 0402 RoHS	3
RC0402JR-07 10K	R 10K J 1/16W 0402 RoHS	9
RC0402FR-07 24K	R 24K F 1/16W 0402 RoHS	1
RC0402JR-07 47K	R 47K J 1/16W 0402 RoHS	2
RC0402JR-07 75K	R 75K J 1/16W 0402 RoHS	1
RC0402JR-07 100K	R 100K J 1/16W 0402 RoHS	2
MT6223DA-L	BB IC, 9mmx9mm 224-TFBGA pb-free	1
SI5853DC	PMOS with schottky, 1208-8 chipFET Lead-free	1
MF5853C	PMOS with schottky, 1208-8 chipFET Lead-free	
EMA1901-50WL09GRR	9-ball micro SMD, pitch=0.5mm, pb-free	1
CP2290ITLX	9-ball micro SMD, pitch=0.5mm, pb-free	
SUP2990C-3TR	9-ball micro SMD, pitch=0.5mm, pb-free	
BL6212CP	9-ball micro SMD, pitch=0.5mm, pb-free	
K5L6331CAM/CAA-D270	NOR+Utram, 2.8V, 64M+32M, 56FBGA, pb-free	1
AD6548BCPZ	RF Transceiver, GSM850/E-GSM900/DCS1800/PCS1900, 5x5mm LFCSP-32, pb-free	1
GLT2218	Dual-band GSM/GPRS Power Amplifier + Switch Module, 6mm*8mm	1
7M26000018	26MHz Crystal 3.2x2.5mm Cl=11pF pb-free	

SQ3D02600L2LNA	26MHz Crystal 3.2x2.5mm Cl=11.2pF pb-free	1
X1E000021031400	26MHz Crystal 3.2x2.5mm Cl=11.2pF pb-free	
E3SB26.0000FBES11MUA	26MHz Crystal 3.2x2.5mm Cl=11.5pF pb-free	
RDA5802E	FM radio IC, QFN-24, Lead-free	1
MC-146	32K crystal 7x1.5x1.4mm Cl=12.5pF pb-free	1
SSP-T7	32K crystal 7x1.5x1.4mm Cl=12.5pF pb-free	
SFR942PY002	Rx SAW GSM DCS 2 IN 1, 1.8x1.4mm, pb-free	1
SAFEA1G96FA0F00R12	PCS1900 RX SAW , 1.4x1.1mm pb-free	1
SAFEB1G96FA0F00R14	PCS1900 RX SAW , 1.4x1.1mm pb-free	
FAR-F6KB-1G9600-B4GB	PCS1900 RX SAW , 1.4x1.1mm pb-free	
B39202-B9403-K610	PCS1900 RX SAW , 1.4x1.1mm pb-free	
EFCH1960TDA1	PCS1900 RX SAW , 1.4x1.1mm pb-free	
SAFEA881MFL0F00	PCS850 RX SAW , 1.4x1.1mm pb-free	1
SF14-0881M5UB50	PCS850 RX SAW , 1.4x1.1mm pb-free	
SFH881PQ102	PCS850 RX SAW , 1.4x1.1mm pb-free	
C800 V3_RF_Frame	RF-SHIELDING	1
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C800_MAINBOARD_V3.0

Item	Reference	Value	Part Number	Description	Quantity
1	PCB	MainBoard PCB	C800 MAINBOARD V3.0	C800 MAINBOARD V3.0, 4F R4 PCB	1
2	B200, B201, B202, B203, B204, B207, L803	Bead 75	BLM15BB750SN1D	Bead 0402 75+/-25% 300mA 0.4ohm RoHS	7
		Bead 80	MGGB1005M800HT-LF	Bead 0402 80+/-25% 200mA 0.3ohm RoHS	
3	B100, B214, B215	BEAD 180	BLM18PG181SN1D	Bead 0603 180+/-25% 1.5A 0.09ohm RoHS	3
		BEAD 120	MGLB1608M121T-LF	Bead 0603 120+/-25% 1.2A 0.1ohm RoHS	
4	L600, C631, C821	22pF	GRM1555C1H220JZ01D	C 22p 50V J 0402 C0G RoHS	3
5	C129, T221, T222, C601	1nF	GRM155R71H102KA01D	C 1n 50V K 0402 X7R RoHS	4
6	C103, C104, C105, C106, C107, C108, C110, C111, C113, C131, C200, C203, C208, C210, C221, C302, C424, C617, C640, C641, C648, C649, C650, C651, C654, C655, C824, C825, C914	0.1uF	GRM155R61A104KZ01D	C 0.1u 10V K 0402 X5R RoHS	29
7	C114, C116, C120, C123, C125, C130	4.7u (0603)	GRM188R60J475KE19	C 4.7u 6.3V K 0603 X5R RoHS	6
8	C118, C122, C124, C132, C300, C504, C820	1uF (0402)	GRM155R61A105KZ01D	C 1u 10V K 0402 X5R RoHS	7
9	T210, T211, C216, C223, C232, C233, C237, C240, C244, C246, C428, C618, C636, C637	33pF	GRM1555C1H330JZ01D	C 33p 50V J 0402 C0G RoHS	14
10	C217, C500, C501	1uF (0603)	GRM188R61C105KE01D	C 1uF 16V K 0603 X5R RoHS	3
11	C202, C206	10uF (0805)	GRM21BR60J106ME01D	C 10uF 6.3V M 0805 X5R RoHS	2
12	C133, C201, C215, C429, C658	22u (0805)	GRM21BF50J226ME39L	C 22u 6.3V M 0805 Y5V RoHS	5
13	C218, C502, C503	2.2u (0603)	GRM188R61C225KE01D	C 2.2u 16V K 0603 X5R RoHS	3
14	C605, C616, C621, C623	5.6p	GRM1555C1H5R6CZ01C	C 5.6p 50V D 0402 C0G RoHS	4
15	C624, B802	100nH	LQG15HSR10J02	L 100nH 5% 0402 RoHS	2
		Substitution	MGC11005TR10JT-LF	L 100nH 5% 0402 RoHS	
16	C638	0.5p	GRM1555C1HR50CZ01D	C 0.5p 50V C 0402 C0G RoHS	1
17	C656	1pF	GRM1555C1H1R0CZ01D	C 1pF 50V C 0402 C0G RoHS	1
18	C427	1.5pF	GRM1555C1H1R5CZ01D	C 1.5pF 50V C 0402 C0G RoHS	1
19	C633, C639, C661, C662	6.8p	GRM1555C1H6R8CZ01D	C 6.8p 50V C 0402 C0G RoHS	4
20	C600, C603	82p	GRM1555C1H820JZ01D	C 82p 50V J 0402 C0G RoHS	2
21	C642, C643	39p	GRM1555C1H390JZ01D	C 39p 50V C 0402 C0G RoHS	2
22	C644	47pF	GRM1555C1H470JA01D	C 47pF 50V J 0402 C0G RoHS	1
23	C204, C211, C234, C235, C245	100p	GRM1555C1H101JD01D	C 100p 50V J 0402 C0G RoHS	5

4	C602, C826	220p	GRM1555C1H221JA01D	C 220p 50V J 0402 COG RoHS
5	L615	12pF	GRM1555C1H12R02CZ01D	C 12pF 50V D 0402 COG RoHS
6	C101, C102	15p	GRM1555C1H15R02CZ01D	C 15pF 50V D 0402 COG RoHS
7	C630, C632, C663, C665	18pF	GRM1555C1H180JA01D	C 18pF 50V J 0402 COG RoHS
8	C619	10nF	GRM155R71E103KA01D	C 10n 25V K 0402 X7R RoHS
9	C823	22n	GRM155R71E223KA01D	C 22n 25V K 0402 X7R RoHS
0	C660	33n	GRM155R71E333KA01D	C 33n 25V K 0402 X7R RoHS
1	C112	47n	GRM155R71A473KA01D	C 47nF 10V K 0402 X7R RoHS
2	D200	Diode	RB520S-30	Diode SOD-523 30V 0.2A lead free
		Substitution	1SS420	Diode SOD-523 30V 0.2A lead free
		Substitution	CH521S-30PT	Diode SOD-523, 30V, 0.2A lead free
		Substitution	SDM20U30	Diode SOD-523 30V 0.2A lead free
1	D250, D251, D252, D253, D254, D255, D256, D257	red light	BL-HUB36G-AV-TRB	0603 SMD, H=0.4mm, MAX 25mA, , RoHS
2	J402	6.8mm Battery Connectors	BT037-53006F2*2	
3	J400	usb 5 pin pillared	USM01-055043F0*2	
4	J200	EAR JACK Φ3.0mm 6Pin H=4.10 2.5MM	PJH05-600100BA08	
5	J403	SIM card Connectors	MSI04-021861F2*2	
6	SD300	T-FLASH cassette	MTF01-2323F-23222	
7	S200, S201	TACT Switch	ST-1186SE	
		Substitution	SKRELGE010	
8	S203, S204, S205	3 pin toggle switch	SS-1290	
		Substitution	ssss811101	
9	L612	4.7nH	MGCI1005T4N7ST-LF	L 4.7nH S 0402 RoHS
0	C635	1.2nH	SDCL1005C1N2ST	L 1.2nH S 0402 RoHS
		Substitution	MGCI1005T1N2ST-LF	L 1.2nH S 0402 RoHS
1	L604	3.3nH	SDCL1005C3N3ST	L 3.3nH S 0402 RoHS
		Substitution	MGCI1005T3N3ST-LF	L 3.3nH S 0402 RoHS
2	L609	3.9nH	SDCL1005C3N9STF	L 3.9nH S 0402 RoHS
3	C657	10nH	MGCI1005T10NJT-LF	L 10nH 5% 0402 RoHS
4	L611	15nH	MGCI1005T15NJT-LF	L 15nH 5% 0402 RoHS

45	L617	22nH	MGC11005T22NJT-LF	L 22nH 5% 0402 RoHS
46	R100, R101, R102, R103, R111, R420, R421, R607, C620, C822	0	RC0402JR-07 0R	R 0 J 1/16W 0402 RoHS
47	R119	0.20 (1% 0805)	RL0805FR-07 0R2	R 0.2 F 1% 1/8W 0805, RoHS
48	R605	10	RC0402JR-07 10R	R 10 J 1/16W 0402 RoHS
49	R213, R214	12	RC0402JR-07 12R	R 12 J 1/16W 0402 RoHS
50	R614	51	RC0402JR-07 51RL	R 51 J 1/16W 0402 RoHS
51	R108	6.8	RC0603JR-07 6R8	R 6.8 J 1/8W 0603 RoHS
52	R223, R224, R500	30	RC0402JR-07 30RL	R 30 J 1/16W 0402 RoHS
53	L601, L603	82	RC0402JR-07 82RL	R 82 J 1/16W 0402 RoHS
54	R216, R217	180	RC0402JR-07 180R	R 180 J 1/16W 0402 RoHS
55	R612, R613, R617, R618	2.2K	RC0402JR-07 2K2	R 2.2K 1/16W 0402 RoHS
56	R112	3.9K	RC0402JR-07 3K9	R 3.9K J 1/16W 0402 RoHS
57	R202, R204, R207, R219, R222, R610, R611, R615, R620	1K	RC0402JR-07 1K	R 1K J 1/16W 0402 RoHS
58	R203, R205, R206	1.5K	RC0402JR-07 1K5	R 1.5K 1/16W 0402 RoHS
59	R300, R301, R305, R310, R311, R313, R601, R800, R801	10k	RC0402JR-07 10K	R 10K J 1/16W 0402 RoHS
60	R210	24K 1%	RC0402FR-07 24K	R 24K F 1/16W 0402 RoHS
61	R115, R209	47K	RC0402JR-07 47K	R 47K J 1/16W 0402 RoHS
62	R211	75K	RC0402JR-07 75K	R 75K J 1/16W 0402 RoHS
63	R212, R221	100k	RC0402JR-07 100K	R 100K J 1/16W 0402 RoHS
64	U100	BB IC	MT6223DA-L	BB IC, 9mmx9mm 224-TFBGA pb-free
65	U102	PMOS with schottky	SI5853DC	PMOS with schottky, 1208-8 chipFET Lead-free
		Substitution	MF5853C	PMOS with schottky, 1208-8 chipFET Lead-free
66	U202	Audio PA	EMA1901-50WL09GRR	9-ball micro SMD, pitch=0.5mm, pb-free
		Substitution	CP22901TLX	9-ball micro SMD, pitch=0.5mm, pb-free
		Substitution	SUP2990C-3TR	9-ball micro SMD, pitch=0.5mm, pb-free
		Substitution	BL6212CP	9-ball micro SMD, pitch=0.5mm, pb-free
67	U300	MCP	K516331CAM/CAA-D270	NOR+Utram, 2.8V, 64Kx32M, 56FBGA, pb-free
68	U602	RF Transceiver	AD6548BCPZ	RF Transceiver, GSM850/E-GSM900/DCS1800/PCS1900, 5x5mm LFCSP-32, pb-free
69	U605	PA	GLT2218	Dual-band GSM/GPRS Power Amplifier + Switching Module, 6mmx8mm
		RF Xtal 26MHz	7M260000018	26MHz Crystal 3.2x2.5mm Cl=11pF pb-free

0	U604	Substitution	SQ3D02600L2LNA	26MHz Crystal 3.2x2.5mm Cl=11.2pF pb-free
		Substitution	X1E000021031400	26MHz Crystal 3.2x2.5mm Cl=11.2pF pb-free
		Substitution	E3SB26.0000FBES11MUA	26MHz Crystal 3.2x2.5mm Cl=11.5pF pb-free
1	U807	FM Radio	RDA5802E	FM radio IC, QFN-24, Lead-free
2	X100	Xtal 32K	MC-146	32K crystal 7x1.5x1.4mm Cl=12.5pF pb-free
		Substitution	SSP-T7	32K crystal 7x1.5x1.4mm Cl=12.5pF pb-free
3	Z602	RX GSM&DCS SAW	SFR942PY002	Rx SAW GSM DCS 2 IN 1, 1.8x1.4mm, pb-free
4	Z604	PCS1900 RX SAW	SAFEA1G96FA0F00R12	PCS1900 RX SAW , 1.4x1.1mm pb-free
		Substitution	SAFEB1G96FA0F00R14	PCS1900 RX SAW , 1.4x1.1mm pb-free
		Substitution	FAR-F6KB-1G9600-B4GB	PCS1900 RX SAW , 1.4x1.1mm pb-free
		Substitution	B39202-B9403-K610	PCS1900 RX SAW , 1.4x1.1mm pb-free
		Substitution	EFCH1960TDA1	PCS1900 RX SAW , 1.4x1.1mm pb-free
5	Z601	GSM850 RX SAW	SAFEA881MFL0F00	PCS850 RX SAW , 1.4x1.1mm pb-free
		Substitution	SF14-0881M5UB50	PCS850 RX SAW , 1.4x1.1mm pb-free
		Substitution	SFH881PQ102	PCS850 RX SAW , 1.4x1.1mm pb-free
6	S1	C800 V3 RF-shielding	C800 V3_RF_Frame	RF-SHIELDING