

S12 PCBA BOM

Item	English Name	Description	Vender	MPN	Qty	Location
1	PCBA	G101_D1_MB_V2.1	Ragentek	MB_G101_D1_V2.1	1	
2	PCB	G101_MAIN_PCB 6 LAYER V2.1	MZZH	G101_MAIN_PCB_V2.1	1	
3	IC-CPU	IC-CPU, MTK Platform 2G/GPRS/EDGE Phone Baseband processor, 1GHz, HVGA	MTK	MT6515MA/BM	1	U300
4	IC-MEM	IC-Memory, 4Gb(16bit) Nand flash+2Gb(32bit) DDR SDRAM, 137 FBGA (1.8V/1.8V)	hynix	H9DA4GH2GJAMCR-4EM	1	U502
5	IC-PMU	IC-PMU, MTK Platform Power Manangement chip	MTK	MT6329A/BG	1	U500
6	IC-RF TRANSEIVER	IC-RF TRANSEIVER, For GSM/GPRS/EDGE Applications 900/1800/1900	MTK	MT6140DN/DR	1	U100
7	IC-RFPA	IC-RFPA, QUAD-BAND GSM850/GSM900/DCS/PCS	RFMD	RF7182	1	U101
8	IC-DUAL SAW	IC-DUAL SAW, 1.8x1.4 1800/1900MHZ 2 in 1, 1 in 4 out	KYOCERA	SF18-1842PASBA1	1	U102
9	IC-DUAL SAW	IC-DUAL SAW, 1.8x1.4 900/850MHZ 2 in 1, 1 in 4 out	KYOCERA	SF18-0942GASBA1	1	U103
10	IC-LDO	IC-LDO 2.8V/300mA ,SOT235	Richpower	RP1208-28*B	1	U105
11	IC-FM radio tuner	FM radio tuner, 55Nami, 2*2	RDA	RDA5802NM	1	U700
12	IC-WIFI	IC-WIFI-MT5931-MTK	MTK	MT5931A/BM	1	U800
13	FILTER-BALUN FILTER	FILTER-BALUN FILTER FOR CSR	ACX	FB2012-05N2R4G	1	U801
14	IC-SENSOR	PS&ALS&LED sensor	SITRONIX	STK3171-018	1	U1000
15	IC-ACCELERATION SENSOR	IC-8 bit digital and triaxial acceleration sensor;2*2*1mm	BOSCH	BMA222E	1	U1001
16	IC-LCD Back Light	IC-WhiteLED Driver,4 mode chargepump,Anode Common 6 parral led(QFN-16L)	AWINIC	AW9666QNR	1	U1100
17	IC-BT	IC-BT_MT6622_QFN40(Original FAB)	MTK	MT6622N/BW	1	U1500
18	CRYSTAL-26M	CRYSTAL-26MHz LC=8.5pF ,7M26000314, 3.2x2.5x0.7mm, for MT6139	TXC	7M26000314	1	X100
19	CRYSTAL-32.768KHz	CRYSTAL-32.768KHz, LC=12.5PF, +/-20ppm, 3.2*1.5*0.8mm	EPSON	Q13FC1350000400	1	X300
20	CRYSTAL-26MHz	CRYSTAL-26MHz LC=11pF, 2.5x2.0x0.6mm Dedicated for MT5931	TXC	8Z26090001	1	X800
21	CRYSTAL-26MHz	CRYSTAL-26MHz LC=10.2pF, 3.2x2.5x0.7mm	HOSONIC	E3SB26.0000FABS11M*	1	X1500
22	LPF	Low pass filter for HB TX	Murata	LFL151G81TC1B786	1	Z101
23	IC-LFA	IC-Low Frequency Amplifier	PRISEMI	PT236T30E2	1	Q500
24	DIODE	TRAN_N-channel with ESD protection,Vgs=+/-6V,SOT523	WILL	WNM4002-3/TR	1	Q501
25	DIODE	DIODE-Zener Diode, 5mA 5.1V-Power dissipation max 500mW(SOD-323)	PRISEMI	PZ3D4V2H	2	D500 D501
26	DIODE	SCHOTTKY DIODE(SOD-523, 40V)	Diodes	SDM20U40-7	1	D1300
27	BATTERY	BATTERY-backup battery, 3.3V, 6.5uAh, H=1.5mm	SII	XH311HG IV07E	1	GB501
28	DIODE-LED	DIODE-LED, white, VF=2.85@5mA, VR=5V, 0603	LITEON	LTW-C193SN5	4	LED1300 LED1301 LED1302 LED1303
29	TVS	TVS, unidirectional, 0.9pF, 5.0V, SOD-923	vishay	VBUS051BD-HD1-GS08	1	T703
30	TVS	TVS, 5V, 50pF-0402	WILL	ESD9X5V-2/TR	6	T1001 T1002 T1003 T1004 T1005 T1006
31	VARISTOR	VARISTOR-14V, 350P-0603	HYLINK	HL0603ML180C	1	T1205
32	IND-BEAD	IND-BEAD, DCR=1.0, 1K@100MHz, 200mA-0402	INPAQ	MCB1005B102EBP	9	B101 B102 B700 B701 B702 B703 B704 B801 B1004
33	RESISTOR	RES-0R, +/-5%, 1/16W-0402	YAGEO	RC0402JR-070RL	39	R101 R109 R111 R117 R404 R504 R516 R601 R700 R701 R706 R718 R800 R801 R804 R806 R808 R809 R810 R819 R1000 R1107 R1200 R1201 R1203 R1209 R1302 R1303 R1304 R1305 R1306 R1307 R1308 R1501 R1504 R1505 R1510 R1599 L1503
34	RESISTOR	RES-10R, +/-5%, 1/16W-0402	YAGEO	RC0402JR-0710RL	3	R115 R116 R1001
35	RESISTOR	RES-33R, +/-5%, 1/16W-0402	YAGEO	RC0402JR-0733RL	2	R702 R703
36	RESISTOR	RES-51R, +/-5%, 1/16W-0402	WALSIN	WR04X510 JTL	2	R802 R1210
37	RESISTOR	RES-300R, +/-5%, 1/16W-0402	YAGEO	RC0402JR-07300RL	4	R1317 R1318 R1319 R1320
38	RESISTOR	RES-1K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-071KL	17	R505 R510 R517 R710 R714 R717 R719 R1101 R1207 R1309 R1310 R1311 R1312 R1313 R1314 R1315 R1316
39	RESISTOR	RES-1.5K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-071K5L	3	R715 R716 R720
40	RESISTOR	RES-3.3K, +/-5%, 1/16W-0402	ROHM	MCR01MZPJ332	1	R502
41	RESISTOR	RES-4.7K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-074K7L	7	R110 R301 R302 R303 R304 R405 R406
42	RESISTOR	RES-5.1K, +/-1%, 1/16W-0402	YAGEO	RC0402FR-075K1L	1	R300
43	RESISTOR	RES-10K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-0710KL	11	R113 R712 R713 R803 R817 R818 R1002 R1104 R1105 R1106 R1110
44	RESISTOR	RES-15K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-0715KL	3	R1300 R1301 R1502

45	RESISTOR	RES-24K, +/-1%, 1/16W-0402	YAGEO	RC0402FR-0724KL	2	R114 R506
46	RESISTOR	RES-39K, +/-1%, 1/16W-0402	YAGEO	RC0402FR-0739KL	1	R501
47	RESISTOR	RES-47K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-0747KL	3	R600 R709 R1206
48	RESISTOR	RES-51K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-0751KL	2	R400 R401
49	RESISTOR	RES-100K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-07100KL	2	R805 R1503
50	RESISTOR	RES-330K, +/-1%, 1/16W-0402	YAGEO	RC0402FR-07330KL	1	R500
51	RESISTOR	RES-470K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-07470KL	1	R708
52	RESISTOR	RES-910K, +/-5%, 1/16W-0402	YAGEO	RC0402JR-07910KL	1	R807
53	RESISTOR	RES-0R, +/-5%, 1/10W-0603	YAGEO	RC0603JR-070RL	8	R402 R511 R512 R513 R704 R705 B500 B501
54	RESISTOR	RES-0. 22R, +/-1%, 1/8W-0805	YAGEO	RL0805FR-070R22L	1	R503
55	CAPACITOR	CAPF-1pF, +/-0. 25pF, COG, 50V-0402	YAGEO	CC0402CRNP09BN1R0	2	C738 C1500
56	CAPACITOR	CAPF-2. 2pF, +/-0. 25pF, COG, 50V-0402	EYANG	C0402C0G2R2C500NT/Y	3	C132 C133 C803
57	CAPACITOR	CAP-6P, +/-0. 5P, COG, 50V-0402	YAGEO	CC0402DRNP09BN6R0	1	C115
58	CAPACITOR	CAP-6. 8pF, , +/-0. 5pF, COG, 50V-0402	YAGEO	CC0402DRNP09BN6R8	4	C123 C124 C125 C126
59	CAPACITOR	CAP-10P, +/-0. 5p, COG, 50V-0402*4	YAGEO	CA0508KRNP09BN100	3	C135 C800 C806
60	CAPACITOR	CAP-18P, +/-5%, COG, 50V-0402	YAGEO	CC0402JRNPO9BN180	4	C109 C110 C111 C112
61	CAPACITOR	CAP-22pF, +/-5%, COG, 50V-0402	YAGEO	CC0402JRNPO9BN220	11	C108 C114 C117 C118 C119 C120 C127 C130 C136 C300 C301
62	CAPACITOR	CAP-33pF, +/-5%, COG, 50V-0402	YAGEO	CC0402JRNPO9BN330	17	C104 C105 C502 C700 C701 C702 C703 C704 C705 C706 C707 C709 C717 C718 C721 C723 C725
63	CAPACITOR	CAP-39PF, +/-5%, COG, 50V-0402	YAGEO	CC0402JRNPO9BN390	1	C148
64	CAPACITOR	CAP-56P, 5%, COG, 50V-0402	YAGEO	CC0402JRNPO9BN560	1	C128
65	CAPACITOR	CAP-100pF, +/-5%, COG, 50V-0402	YAGEO	CC0402JRNPO9BN101	4	C138 C708 C716 C724
66	CAPACITOR	CAP-220pF, +/-10%, X7R, 50V-0402	YAGEO	CC0402KRX7R9BB221	2	C116 C139
67	CAPACITOR	CAP-680pF, +/-10%, X7R, 50V-0402	YAGEO	CC0402kRX7R9BB681	1	C143
68	CAPACITOR	CAP-1nF, +/-10%, X7R, 50V-0402	YAGEO	CC0402kRX7R9BB102	1	C149
69	CAPACITOR	CAP-10nF, +/-10%, X7R, 50V-0402	YAGEO	CC0402KRX7R9BB103	6	C140 C310 C524 C602 C605 C711
70	CAPACITOR	CAP-100nF, +/-10%, X5R, 10V-0402	Walsin	0402X104K100CT	64	C113 C144 C145 C146 C151 C154 C400 C408 C412 C422 C424 C425 C426 C427 C428 C430 C431 C432 C434 C436 C437 C440 C441 C442 C445 C448 C449 C450 C452 C453 C459 C461 C462 C504 C505 C528 C530 C601 C604 C714 C715 C726 C733 C734 C744 C812 C814 C815 C816 C817 C825 C1000 C1001 C1006 C1101 C1106 C1201 C1203 C1204 C1205 C1210 C1302 C1304 C1505
71	CAPACITOR	CAP-1uF, +/-10%, X5R, 6. 3V-0402	YAGEO	CC0402KRX5R5BB105	66	C134 C137 C141 C150 C153 C155 C401 C402 C403 C404 C405 C406 C407 C409 C410 C411 C413 C414 C415 C416 C419 C420 C421 C429 C433 C435 C438 C506 C507 C508 C510 C514 C515 C516 C517 C518 C519 C520 C521 C526 C527 C529 C603 C719 C720 C801 C811 C813 C819 C823 C824 C826 C1005 C1107 C1108 C1109 C1100 C1102 C1202 C1207 C1208 C1300 C1301 C1303 C1502 C1506
72	CAPACITOR	CAP-1uF, +/-10%, X5R, 10V-0603	SAMSUNG	CL10A105KP8NNNC	1	C500
73	CAPACITOR	CAP-2. 2uF, +/-10%, X5R, 10V-0603	YAGEO	CC0603KRX5R6BB225	9	C418 C423 C439 C444 C451 C460 C503 C1206 C1504
74	CAPACITOR	CAP-4. 7uF, +/-10%, X5R, 6. 3V-0603	SAMSUNG	CL10A475KQ8NNNC	16	C142 C417 C513 C522 C523 C525 C600 C713 C722 C818 C820 C821 C822 C1105 C1200 C1503
75	CAPACITOR	CAP-10uF, +/-20%, X5R, 6. 3V-0603	YAGEO	CC0603MRX5R5BB106	1	C152
76	CAPACITOR	CAP-10uF, +/-10%, X5R, 6. 3V-0805	KYOCERA	CM21X5R106K06AT	1	C1211
77	CAPACITOR	CAP-22uF, +/-20%, X5R, 6. 3V-0805, T=0. 8	EYANG	C0805X5R226M6R3NTE	9	C121 C443 C446 C447 C454 C457 C458 C511 C512
78	CAP-T47uF	CAP-TANT, 47uF, 20%, 6. 3V-3216, ESR=2. 5, T=1. 6mm	NICHICON	F930J476MAA	1	C501
79	INDUCTANCE	IND-MULTILAYER-2. 4nH, +/-0. 3nH-0402	CHILISIN	CLH1005T-2N4S-S-NP	2	L109 R102
80	INDUCTANCE	IND-MULTILAYER-1. 5nH, +/-0. 3nH-0402	CHILISIN	CLH1005T-1N5S-S-NP	1	L103
81	INDUCTANCE	IND-MULTILAYER-2. 7nH, +/-0. 3nH-0402	CHILISIN	CLH1005T-2N7S-S-NP	1	L1501
82	INDUCTANCE	IND-MULTILAYER-4. 7nH, +/-0. 3nH, DCR=0. 23, 300mA-0402	CHILISIN	CLH1005T-4N7S-S-NP	3	L104 L105 C107
83	INDUCTANCE	IND-MULTILAYER-5. 6nH, +/-0. 3nH-0402	CHILISIN	CLH1005T-5N6S-S-NP	1	L1500
84	INDUCTANCE	IND-MULTILAYER-15nH, +/-5%, DCR=0. 46, 300mA-0402	CHILISIN	CLH1005T-15NJ-S-NP	3	L106 L107 L111
85	INDUCTANCE	IND-POWER INDUCTOR-2. 2uH, +/-20%, DCR=0. 178, 1620mA, 1. 0H-2520	CHILISIN	LVS252010-2R2M-N	4	L500 L501 L502 L800
86	CON-RF	CON-RF_COAXIAL	MURATA	MM8430-2610*	1	J101
87	Connector 3 pin	CON-BAT_3PIN H=5.4mm No positioning column	LCN	PAN30-03543-1506	1	J500
88	AUDIO JACK	AUDIO JACK-EAR-Dia3. 5, 6Pin	LCN	JAF00-05364-1512	1	J700
89	CON-24PIN	CON-24PIN, BTB, 0. 4PITCH	LCN	BAF04-24153-0502	1	J1200
90	CON-BTB Receiver	CON-BTB Receiver_10pin-h1. 0-0. 4pitch	ELCO	24 5805 010 000 829+	1	J1202

91	CON-I/O	CON-I/O, MICRO USB, H=2.5, 5PIN, 0.65PITCH, 4-DIP (Gold-plated5U), Broken board0.8mm.	JTCONN	UB005-16323A51	1	J1203
92	CON-SIM SOCKET	CON-SIM SOCKET, H=1.5, 6PIN, 2.54PITCH	LETCON	03-06 211 1N	2	J1300 J1301
93	CON-TFLASH SOCKET	CON-TFLASH SOCKET, H=1.6, 8PIN, 1.1PITCH, HINGE TYPE	JieShunton g	WKTFH010-S05	1	J1302
94	SWITCH-SIDE KEY	SWITCH-SIDE KEY, H=1.8, STROKE=0.2	CITIZEN	LS10N2-T	3	J1303 J1304 J1305
95	Antenna Spring	Antenna Spring SMT, 3.5*1.5*2.5	ECT	818000377	7	ANT1 ANT2 ANT3 ANT4 ANT5 ANT6 ANT7
96	BB SHIELDING	G100_BB_SHIELDING 41.65(L)*29.35(W)*1.6(H)	Dianlian	G100_BB_SHIELDING	1	SH1
97	PA SHIELDING	G100_PA_SHIELDING 15.6(L)*12.3(W)*1.6(H)	Dianlian	G100_PA_SHIELDING	1	SH3
98	T100_WIFI_SHIELDING	T100_WIFI_SHIELDING 12.3*20, 8*1.6	Dianlian	T100_WIFI_SHIELDING	1	SH4
99	T100_RF_SH_V2.0	T100_RF_SH 28*16, 7*1.6	Dianlian	T100_RF_SH_V2.0	1	SH5
100	SHEETMATEL_V2	T100_SIM_SHEETMATEL (21*18*1.6)	Xinchuang	T100_SIM_SHEETMATEL_V2	1	SH6
101	INDUCTANCE	IND-MULTILAYER-8.2nH, +/-5%-0402	CHILISIN	CLH1005T-8N2J-S-NP	1	C129
102	CAPACITOR	CAP-3.3pF, +/-0.25pF, COG, 50V-0402	YAGEO	CC0402CRNP09BN3R3	1	L102