

Vatoo Inc

Rev.	Released date:	Description	Used for

MAIN PCB

Item	Description	Value(Part Number)	Ref	Qty	PCB DECAL	Remark
1	MCU	AT91SAM7S64	U200	1	QFN64	
2	LCD Controller IC	CP2403-GM	U470	1		
4	Dual SPDT Analog Switch	TS5A22364	U530	1		
5	LDO	EMP8935 30VF	U420, U430	2		
6	DC-DC Step Down	EML3406-18VF05	U410	1		
7	Charger IC	EMC5754	U400	1		
8	Audio DSP	CX20703	U300	1	QFN32	
9	EEPROM	M24M01	U360	1		
10	Low Noise AMP	BA8522RFVM	U340, U380	2		
11	RF Transceiver	A7105	U140	1		
12	Dual TR	EMD4	Q170, Q171	2		
14	Voltage Invertor	LM2664	U440	1		
15	RF Switch	UPG2179TB	U100	1		
16	RF PAM	RF5373	U130	1		
17	SAW Filter	B9413	FIL120, FIL121	2		
	Low Pass Filter	LF2012	FIL130	1		
18	LNA	RF2374	U110, U120	2		
19	OR Gate	NC7SZ332	U370	1		
20	G Sensor	NC/BMA250)	U480	1		
21	Digital Transistor	DRC3124E	Q450, Q451, Q452, Q453, Q460	5		
	Digital Transistor	DRC3124E(NC)	Q350	1		
22	40 MHz CRYSTAL	16 MHz CRYSTAL/3225	X140	1		
23	18.432MHz CRYSTAL	18.432MHz CRYSTAL	X200	1		
24	48MHz CRYSTAL	48MHz CRYSTAL	X300	1		
25	Switching Diode	DAN202U	D461	1		
26	Varistor	NC(ICVS05300450FR/0402)	VR350, VR351, VR400, VR401, VR402, VR403	6		
27	Side View LED	LTW-2707LA0603	LED450, LED451	2	1608	
28	LED Dual	THBFR411	LED452, LED453	2	1608	
29	Tantal Capacitor	47uF/10V/A	CT340, CT341, CT342	3	A	
30	Capacitor	1.8pF/0402	C114, C124	2	1005	
31	Capacitor	8pF/0402	C131	1	1005	
32	Capacitor	4.7pF/0402	C101	1	1005	
33	Capacitor	10pF/0402	C104, C110, C111, C121, C122, C136, C143, C145, C212, C213, C315, C316	12	1005	
34	Capacitor	22pF/0402	C140	1	1005	
35	Capacitor	27pF/0402	C150, C151	2	1005	
36	Capacitor	100pF/0402	C115, C125, C130, C133, C134, C141, C146	7	1005	
37	Capacitor	220pF/0402	C331, C350, C351, C390, C450, C451	6	1005	
38	Capacitor	270pF/0402	C343	1	1005	
39	Capacitor	470pF/0402	C381	1	1005	
40	Capacitor	680pF/0402	C149	1	1005	
41	Capacitor	1nF/0402	C137, C142, C215, C384, C532	5	1005	
42	Capacitor	10nF/0402	C148, C214	2	1005	
43	Capacitor	33nF/0402	C422, C431	2	1005	
44	Capacitor	47nF/0402	C380, C385	2	1005	
45	Capacitor	100nF/0402	C135, C147, C152, C170, C172, C200, C202, C203, C204, C205, C206, C208, C209, C210, C211, C217, C300, C301, C302, C303, C304, C305, C308, C310, C312, C314, C318, C319, C322, C340, C370, C404, C452, C470, C480, C481, R382, R383	38	1005	
46	Capacitor	1uF/0402	C132, C216, C332	3	1005	
47	Capacitor	NC/0402	C102, C113, C120, C123, C144	5	1005	
48	Capacitor	1uF/0603	C330, C530	2	1608	
49	Capacitor	2.2uF/0603	C230	1	1608	
50	Capacitor	4.7uF/0603	C153, C154, C155, C201, C207, C307, C311, C313, C344, C345, C386, C389, C400, C401, C402, C405, C406, C407, C410, C411, C413, C421, C423, C425, C430, C432, C434, C435, C440, C441, C442, C460	32	1608	
51	Capacitor	10uF/0603	C306, C309, C317, C320, C321, C323, C391, C461, C462, C471, C473	11	1608	
52	Power Inductor	LCD0805-330	L410	1	3225	
53	Inductor	1.2nH/0402	L142, C100	2	1005	
54	Inductor	1.5nH/0402	L132	1	1005	
55	Inductor	1.8nH/0402	L110, L121	1	1005	
56	Inductor	3.6nH/0402	L131	1	1005	
57	Inductor	4.7nH/0402	L140	1	1005	
58	Inductor	15nH/0402	L111, L120, L122, L130	4	1005	
59	Resistor	0R	R100, R131, R132, R215, R217, R348, R411, R420, R430, R431, C342, C387, C388, L141	14	1005	
60	Resistor	10R/0402	R200, R308	2	1005	
61	Resistor	22R/0402	R342, R343, R344	3	1005	
62	Resistor	51R/0402	R450	1	1005	
63	Resistor	200R/0402	R141	1	1005	
64	Resistor	330R/0402	R404	1	1005	
65	Resistor	680R/0402	R120, R452, R453, R454	4	1005	
66	Resistor	1K/0402	R301, R302, R303, R304, R332, R391, R392, R400, R473	9	1005	
67	Resistor	1.5K/0402	R202	1	1005	
68	Resistor	1.8K/0402	R110	1	1005	
69	Resistor	2.2K/0402	R330, R331, R361, R362, R451, R460	6	1005	
70	Resistor	4.7K/0402	R203, R204, R205, R206, R211, R212	6	1005	
71	Resistor	10K/0402	R300, R306, R461, R462, R463, R470, R472	7	1005	
72	Resistor	22K/0402	R333, R340, R352, R353, R380, R384, R385, R390	8	1005	
73	Resistor	47K/0402	R112, R121, R207, R208, R209, R213, R214, R381, R410, R480, R481	11	1005	
74	Resistor	82K/0402	R341	1	1005	
75	Resistor	100K/0402	R170, R210, R305, R334, R370, R372, R373, R374	8	1005	
76	Resistor	1M/0402	R201, R307	2	1005	

77	Resistor	NC/0402	R111, R122, R123, R130, R140, R172, R216, R350	9	1005	
78	Tack Switch	ST-1112A	SW371, SW372, SW460	3		
79	Tack Switch	ST-1107MU	SW370, SW373	2		
80	Micro USB Connector	GU073-5P-SD-E1500	J400	1		
81	Battery Connector	MJ902B	J402	1		
82	Phone jack	7620-3.5G	J330, J350	2		
83	10PIN HEADER	FH1.27*2.0*1.81*XP-10P	CON200	1		
84	Antenna	NC(BA8SB24)	ANT100	1		
85	LCD	LCD	LCD440	1		수삼
86	PCB	Main PCB		1		