

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	CX20709	U300	1	QFN32	
9	EEPROM	M24M01	U360	1		
10	Low Noise AMP	BA8522RFVM	U340, U380	2		
11	RF Transceiver	CC1200	U150	1		
12	Dual TR	EMD4	Q190, Q191	2		
14	Voltage Invertor	LM2664	U440	1		
15	RF Switch	UPG2179TB	U100, U121	2		
16	RF PAM	UPG2250	U130	1		
17	SAW Filter	FAR-F5QA-915M00-M2AK	FIL100, FIL120, FIL130	3		
18	LNA	RF2374	U110, U120	2		
		NC7SZ332	U370	2		
19	G Sensor	NC(BMA250)	U480	1		
20	Digital Transistor	DRC3124E	Q450, Q451, Q452, Q453, Q460	5		
	Digital Transistor	NC	Q350	1		
21	40 MHz CRYSTAL	40 MHz CRYSTAL/3225	X150	1		
22	18.432MHz CRYSTAL	18.432MHz CRYSTAL	X200	1		
23	48MHz CRYSTAL	48MHz CRYSTAL	X300	1		
24	Switching Diode	DAN202U	D461	1		
25	Varistor	NC(ICVS05300450FR/0402)	VR350, VR351, VR400, VR401, VR402, VR403	6		
26	Side View LED	LTW-270TLA0603	LED450, LED451	2	1608	
27	LED Dual	THBFR411	LED452, LED453	2	1608	
28	Tantal Capacitor	47uF/10V/A	CT340, CT341, CT342	3	A	
	Capacitor	1.5pF/0402	C137	1	1005	
29	Capacitor	2.2pF/0402	C153	1	1005	
30	Capacitor	3pF/0402	C152	1	1005	
31	Capacitor	3.3pF/0402	C160, C161	2	1005	
32	Capacitor	3.9pF/0402	C113, C123	2	1005	
35	Capacitor	10pF/0402	C104, C110, C111, C114, C121, C122, C124, C212, C213, C315, C316	11	1005	
36	Capacitor	15pF/0402	C155, C171, C172	3	1005	
37	Capacitor	22pF/0402	C131, C133, C134, C138	4	1005	
38	Capacitor	33pF/0402	C156	1	1005	
39	Capacitor	56pF/0402	C150	1	1005	
40	Capacitor	100pF/0402	C115, C125, C130, C140, C159	5	1005	
41	Capacitor	220pF/0402	C331, C350, C351, C390, C450, C451, C343	7	1005	
	Capacitor	470pF/0402	C381	1	1005	
43	Capacitor	1nF/0402	C215, C384, C532	3	1005	
44	Capacitor	1.8nF/0402	C164	1	1005	
45	Capacitor	10nF/0402	C136, C158, C162, C214	4	1005	
46	Capacitor	33nF/0402	C422, C431	2	1005	
47	Capacitor	47nF/0402	C163, C166, C167, C168, C169, C170, C173, C174, C176, C177, C178, C180, C380, C385	14	1005	
48	Capacitor	100nF/0402	C132, C135, C139, C190, C191, 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	
49	Capacitor	220nF/0402	C175	1	1005	
50	Capacitor	1uF/0402	C216, C332	3	1005	
51	Capacitor	NC/0402	C101, C102, C120, C141, C151, C154	6	1005	
52	Capacitor	1uF/0603	C330, C530, C532	3	1608	
53	Capacitor	2.2uF/0603	C230	1	1608	
54	Capacitor	4.7uF/0603	C157, C165, C179, 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	
55	Capacitor	10uF/0603	C306, C309, C317, C320, C321, C323, C391, C461, C462, C471, C473	11	1608	
56	Power Inductor	LCD0805-330	L410	1	3225	
57	Inductor	1.2nH/0402	C100	1	1005	
58	Inductor	3.9nH/0402	L110	1	1005	
59	Inductor	6.8nH/0402	L121	1	1005	
61	Inductor	10nH/0402	L153	1	1005	
62	Inductor	12nH/0402	L150, L154, L155, L157	4	1005	
63	Inductor	15nH/0402	L111, L120, L130, L152, L156	5	1005	
64	Inductor	18nH/0402	L151	1	1005	
	Inductor	22nH/0402	L131, L132, L133, L134	4	1005	
65	Resistor	0R	R151, R153, R191, R215, R217, R348, R411, R420, R430, C342, C387, C388	12	1005	
66	Resistor	10R/0402	R200, R308	2	1005	
67	Resistor	15R/0402	R150	1	1005	
68	Resistor	22R/0402	R342, R343, R344	3	1005	
69	Resistor	51R/0402	R450	1	1005	
70	Resistor	330R/0402	R404	1	1005	
71	Resistor	680R/0402	R120, R452, R453, R454	4	1005	
72	Resistor	1K/0402	R301, R302, R303, R304, R332, R391, R392, R400, R473	9	1005	
73	Resistor	1.5K/0402	R202	1	1005	
74	Resistor	1.8K/0402	R110	1	1005	
75	Resistor	2.2K/0402	R330, R331, R361, R362, R451, R460	6	1005	
76	Resistor	4.7K/0402	R203, R204, R205, R206, R211, R212	6	1005	
78	Resistor	10K/0402	R300, R306, R461, R462, R463, R470, R472	7	1005	
79	Resistor	22K/0402	R333, R340, R352, R353, R380, R384, R385, R390	8	1005	