

Radio Wave BOM, Joystick, 3/29/03, Rev. 8/7/03, Bitswave, Inc.

Item No.	QTY	Designator	Value	Spec	Manufacturer	Note
2	4	C6,C12,C210,C281	1nF	X7R0603		
3	1	C10, C11	22pF	NPO0603		
4	2	C185	Not Populated			
5	1	C13	330pF	NPO0603		
6	1	C14	8.2pF	NPO0603		
7	2	C23,C25	0pF	NPO0603		Open
8	1	C31	10pF	NPO0603		
10	1	C42	4.7pF	NPO0603		
11	1	C101	Not Populated			
12	1	C102	10u/10V	Ecap, Thu Hole		
13	2	C103,C110	10nF	X7R0603		
14	2	C107	4pF	NPO0603		
15	1	C109	100nf	X7R0603		
16	2	C171,C181	18pF	NPO0603		
19	1	J134	9x2 header	Pin Header		
20	1	J135	L_Con, 3x1 header	Pin Header		
21	1	J136	R_Con, 3x1 header	Pin Header		
22	1	J137	Battery	Pin Header		2x1
26	1	L7	0nH			Short
26.1	1	L16	0nH			Short
27	1	L32	120nH	Chip0603		
28	1	L41	2.7nH	Chip0603		
29	1	L101	4.7nH	Chip0603		
30	1	L210	BLM11A102S	Ferrite Bead	Murata	
31	2	M1,M2	MOTOR AC	Motors, 5V		
32	1	Program1	HEADER 3X2	Pin Header		
33	2	Q4,Q3	2N2222A	SMT Transistors		SOT-23
34	2	R104,R105	2k	SM0603		
		R117,R221,R223,R2				
36	4	24	10K	SM0603		
37	1	R119		100 SM0603		
38	3	R122,R222,R225	1K	SM0603		
39	1	R131	82k	SM0603		1% Tolerance
40	1	R226	3.3k	SM0603		
41	1	R281	27k	SM0603		
42	1	R282	20k	SM0603		
43	1	R283	30k	SM0603		
44	1	R284	100k	SM0603		
44A	1	R113		0 Short		
45	1	R285	50k	SM0603		
46	1	U10	TK11136CS	Regulator	Toko	

47	1	U13	JessTechPS-2	Controller	Jess Tech Die	Requires Bonding
48	1	U14	ATMEL MEGA8L	MCU	Atmel	
49	1	U15	CC1000	Radio Chip		
50	2	VR2,VR1	Mushroom	10kx2		
51	1	X1	14.7456MHz	Xtal, 20ppm	Advanced Crystal Technology, PDI, ITTI	