

10 Hz to 40 MHz FMT DDS Synthesizer Revised: Tuesday, December 27, 2011				
2011-2	J.C. ROOS K6IQL	Revision: B		
NOTE - THIS PL IS DERIVED DIRECTLY FROM FINAL REVISED SCHEMATIC AND IS				
PROBABLY MORE ACCURATE THAN THE "DDSPORDER.XLS" SPREADSHEET.				
HOWEVER THE LATTER HAS THE PWB FOOT PRINTS AND VENDOR PART NUMBERS				
FOR MANY OF THE PARTS				
Bill Of Materials	J	Page1		
Item	Quantity	Reference	Part	
1	1	CR1	MMBV609LT1	
2	2	CR6,CR2	BAT54A	
3	3	CR3,CR4,CR5	MBRA340T3	
4	3	CR6,CR7,CR8	1N456	
5	32	C1,C2,C3,C4,C10,C11,C13, C14,C19,C32,C33,C37,C42, C44,C54,C58,C60,C61,C62, C63,C65,C68,C69,C72,C73, C74,C75,C77,C78,C79,C80, C83	0.1	
6	7	C5,C6,C12,C16,C17,C57, C59	0.1	
7	9	C7,C8,C9,C49,C76,C81,C82, C84,C86	10UF	
8	1	C15	NOT INS	
9	3	C18,C24,C25	0.22UF	
10	1	C20	1.0UF	
11	1	C21	5.6PF	
12	1	C22	33PF	
13	3	C23,C34,C35	22PF	
14	3	C26,C31,C85	68PF	
15	1	C27	15PF	
16	4	C28,C30,C66,C67	120PF	
17	2	C29,C50	10PF	
18	5	C36,C39,C41,C46,C55	0.001	
19	2	C38,C48	47UF	
20	1	C40	470PF	
21	1	C43	1UF	
22	3	C45,C47,C64	0.01	
23	2	C56,C51	51PF	
24	1	C52	1-10PF	
25	3	R12,R13,C53	NO INS	
26	2	C70,C71	0.001	
27	5	JP1,JP2,JP3,JP5,JP6	2X2HDR	
28	4	J1,J6,J7,J8	SMAV	
29	4	J2,J4,J9,J10	BNCIL	
30	2	J5,J3	SMBV	

31	1	J11	DB9P
32	3	L1,L5,L7	1 UH
33	1	L2	270NH
34	2	L3,L4	220NH
35	1	L6	67NH
36	3	L8,L9,L10	4.7UH
37	1	Q1	SST310
38	1	Q2	IRF7416
39	9	R1,R14,R32,R62,R72,R76, R79,R81,R82	10K
40	2	R2,R74	3.9K
41	5	R3,R5,R25,R57,R58	20K
42	3	R4,R38,R61	51
43	2	R6,R16	100 POT
44	1	R7	18
45	2	R8,R9	300
46	2	R10,R36	150 1W
47	1	R11	0
48	1	R15	10M
49	1	R17	3K
50	1	R18	620
51	1	R19	1.6K
52	1	R20	5.3K
53	1	R21	1M
54	2	R23,R22	7.5K
55	1	R24	110
56	1	R26	42.2K
57	2	R27,R29	22
58	3	R28,R59,R63	432
59	1	R30	820
60	1	R31	22.1K
61	5	R33,R34,R35,R77,R78	90.9
62	5	R37,R46,R47,R48,R49	511
63	3	R39,R40,R71	150
64	1	R41	39
65	1	R42	182
66	1	R43	1.40K
67	1	R44	750
68	1	R45	3.65K
69	5	R50,R51,R52,R53,R73	2.0K
70	3	R54,R55,R75	12.1K
71	1	R56	33.2K
72	1	R60	30.1K
73	1	R64	100K
74	1	R65	10K POT
75	1	R66	1.21K
76	3	R67,R69,R80	1K
77	1	R68	5.1K
78	1	R70	348K
79	1	R83	R
80	1	TB1	TB8T

81	14	TP1,TP2,TP3,TP4,TP5,TP6, TP7,TP8,TP9,TP10,TP11, TP12,TP13,TP14	TP	
82	1	T1	JT-1975	
83	1	U1	SN75155	
84	1	U2	CDP6402C	
85	2	U8,U3	4017	
86	1	U4	74HC14	
87	1	U5	4013	
88	1	U6	AD9850	
89	1	U7	4081	
90	1	U9	4071	
91	2	U10,U15	ERA-5SM+	
92	2	U11,U12	74HC4060	
93	1	U13	TL082	
94	1	U16	MC12080D	
95	1	U17	MCK12140	
96	1	U18	LT1357CS8	
97	1	U19	LT1719CS8	
98	1	U20	LM239	
99	1	U21	74AC04	
100	1	U22	LT1129CS8	
101	1	U23	ADR02	
102	1	Y1	2.4576M	
103	1	Z1	NVG47AE	
104	1	Z2	DIP OSC	not used