

PARTS ORDERING DATA				DDSPORDER.XLS											
10 Hz to 40 MHz DDS Synthesizer Revised: Saturday 17 December 2011															
2011-2 Revision: B - Test changes in blue								NO BUY							
Check PL vs Schematic - Some excess quantities ordered for lab stock								ATTENTION							
								BOUGHT							
Bill Of Materials September 29, 2011 10:32:20															
Item	Quantity	Reference	Part	Shape	Qty Requ.	Qty Ord	Newark Part Number	Allied Part Number	Mouser Part Number	Arrow Part Number	Linear Part Number	Bliley			
1	1	CR1	MMBV609LT1	SOT23	1	10				MMBV609LT1G					
2	2	CR6,CR2	BAT54A	SOT23	2	4	38C6973								
3	3	CR3,CR4,CR5	MBRA340T3	403D-02	3	4	450J774								
		3 CR6, CR7, CR8	1N456		3	INSTALLED ON REAR OF BOARD									
4	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 RM1206		32	40	34C6824								
					0										
					0										
					0										
					0										
5	7	C5,C6,C12,C16,C17, C57,C59	0.1 RM0805		7	12	10R5997	C15 NOT INTSTALLED							
					0										
6	8	C7,C8,C9,C76,C81,C82,C84, C49	10UF EIA7343		8	8	30C7738	541-1370							
7	3	C18,C24,C25	0.22UF RM1206		3	5	96M1511								
8	2	C20,C43	1.0UF RM1206		2	2	96K4787								
9	1	C21	5.6PF RM1206		1	3	70K9335								
10	1	C22	33PF RM1206		1	3	96M1450								
11	3	C23,C34,C35	22PF RM1206		3	6	96K4783								
12	2	C31,C26, C85	68PF RM1206		3	3	96M1461								
13	1	C27	15PF RM1206		1	3	70K9292								
14	4	C28,C30,C66,C67	120PF RM1206		4	6	70K9287								
15	2	C29,C50	10PF RM1206		2	4	96M1435								
16	7	C36,C39,C41,C46,C55 C70, C71,	0.001 RM1206		7	7	96M1438								
17	3	C38,C48,	47UF EIA7343		3	4		213-0415							
18	1	C40	470PF RM1206		1	2	96M1457								
19	3	C45,C47,C64	0.01 RM1206		3	4	96M1494								
20	2	C56,C51	51PF (56PUR) RM1206		2	4	70K9331								
21	1	C52	2-10PF JOHANSON CERA TRIM J2322		1	1	73K9843								
22	0	C53	COG RM1206		0	Not Installed									
		1 C86	10UF 25V CSR13		1	ADDED TO REAR OF BOARD									
23	5	JP1,JP2,JP3,JP5,JP6	2X2HDR 4HDR-100		5	10		863-0668							
24	4	J1,J6,J7,J8	SMAV SMAJV		4	3									
25	4	J2,J4,J9,J10	BNCIL BNCINL		4	4		202-0250							
26	2	J5,J3	SMBV SMBJV		2	HAVE	528-0258								
27	1	J11	DB9P DB9M-90		1	HAVE									
28	3	L1,L5,L7	1 UH CDR14M		3	5	20T1139								
29	1	L2	270NH CDR14M		1	2	NO GOT	NO GOT	652-CW252016-R27J						
30	2	L3,L4	220NH CDR14M		2	3	20T1137		70-IMC1008ERR22J						
31	1	L6	67NH COIL4		1	0	WIND 4 T 20 GA ON ~ #26 DRILL X 0.40" LONG- ADJ DIA TO TRIM								
32	3	L8,L9,L10	4.7UH C1825		3	HAVE									

33	1	Q1	SST310/MMBFU310LT1G	SOT23	1	3	45J1521	NO			
34	1	Q2	IRF7416	SOIC8	1	2	31K2231	273-1919			
35	8	R1,R14,R32,R62,R76,R79, R81,R82, R83	10K	RM1206	9	12	53K1907				
					0						
36	1	R2	3.9K	RM0805	1	3	53K0109				
37	5	R3,R5,R25,R57,R58	20K	RM1206	5	7	53K2130				
39	1	R6	100 POT (SUB 3296W)	POT3299	1	1		754-2516			
	1	R11	0 OHM JUMPER								
40	1	R7,	18	RM1206	1	5	53K2039				
	1	R41	39	RM1206	1						
	0	R12, R13	NOT INSTALLED		0						
41	6	R8,R9,	300	RM1206	6	8	53K2282				
	3	R39,R40, R71	150	RM1206	3						
42	2	R10,R36	150 1W	RM2512	2	3	53K3949				
43	1	R15	10M	RM1206	1	2	59M6946				
44	1	R16	100 POT	POT3299	1	1		754-2516			
45	1	R17	3K	RM1206	1	2	53K2219				
46	1	R18	620	RM1206	1	2	53K2556				
47	1	R19	1.6K	RM1206	1	2	53K1801				
48	1	R20	5.3K	RM1206	1	2	53K2447				
	1	R21	1M	RM1206	1						
49	1	R64	100K	RM1206	1	3	53K1920				
50	2	R23,R22	7.5K	RM1206	2	3	53K2583				
51	1	R24	110	RM1206	1	3	53K1939				
52	1	R26	42.2K	RM1206	1	2	53K2399				
53	2	R27,R29	22	RM1206	2	3	53K2154				
54	3	R28,R59,R63	432	RM1206	3	5	53K2409				
55	1	R30	820	RM1206	1	2	53K2665				
56	1	R31	22.1K	RM1206	1	3	53K2151				
57	1	R42	182	RM1206	1	5	53K2046				
58	3	R33,R34,R35	90.9	RM1206	3	3	42K4999				
59	5	R37,R46,R47,R48,R49	511	RM1206	5	7	53K2584				
60	3	R4, R38, R61	51	RM1206	3	4	53K2478	R61 CHANGED TO 51			
61	1	R43	1.40K	RM1206	1	2	89M6838				
62	1	R44	750	RM1206	1	2	53K2620				
63	1	R45	3.65K	RM1206	1	5	53K2231				
	1	R54, R55	12.1K	RM1206	2						
64	2	R50,R52	2.0K	RM1206	2	4					
65	2	R53,R51	2.0K	RM1206	2	4					
66	1	R56	33.2K	RM1206	1	2	53K2297				
67	1	R60	30.1K	RM1206	1	2	42K4979				
69	1	R65	10K POT	POT3299	1	1	62J1499				
70	1	R66	1.21K	RM1206	1	3	42K4725				
71	3	R67,R69,R80	1K	RM1206	3	5	53K1779				
72	1	R68	5.1K	RM1206	1	2	89M6878				
73	1	R70	348K	RM1206	1	2	53K2313				
74	1	R72	10K	RM1206	1	2					
75	1	R73	2.0K	RM1206	1	10	32K3747				
76	1	R74	3.9K	RM1206	1	2					
77	1	R75	12.1K	RM1206	1	2					
78	2	R77,R78	90.9	RM1206	2	4					
79	1	TB1	TB8T	TB8-T07	1	4	95F6002				

		Plug On block for above				1	59K9212						
80	14	TP1,TP2,TP3,TP4,TP5,TP6,	TP	ETZIER	14	HAVE	(TP TO FIT 0.050 DIA HOLE)						
		TP7,TP8,TP9,TP10,TP11,			0								
		TP12,TP13,TP14			0								
81	1	T1	JT-1975	BH292	1	1							
82	1	U1	SN75155	8DIP300	1	1	67K1144	S					
83	1	U2	CDP6402C	40DIP600	1	0							
84	2	U8,U3	4017	16DIP300	2	2	60K5099	S					
85	1	U4	74HC14	14DIP300	1	2	67K0138						
86	1	U5	4013	14DIP300	1	1	60K5096						
87	1	U6	AD9850	28SSOP	1	1	88H0344						
88	1	U7	4081	14DIP300	1	1	60K5134						
89	1	U9	4071	14DIP300	1	1	60K5129						
90	2	U10,U15	ERA-5SM+	ERA5-SM	2	10							
91	2	U11,U12	74HC4060	16DIP300	2	3	06F3127						
92	1	U13	TL082	8DIP300	1	2	67K1277						
93	1	U16	MC12080D	SOIC8	1	2		568-0801					
94	1	U17	MCK12140	SOIC8	1	2			863-MCK12140DG				
95	1	U18	LT1357CS8	SOIC8	1	2						LT1357CS8#PBF	
96	1	U19	LT1719CS8	SOIC8	1	2						LT1719CS8#PBF	
97	1	U20	LM239	SOIC14	1	2	89K0659						
98	1	U21	74AC04	14DIP300	1	2	06F2782						
99	1	U22	LT1129CS8	SOIC8	1	2						LT1129CS8#PBF	
100	1	U23	ADR02	SOIC8	1	2							
101	1	Y1	2.4576M	XTAL6U	1	2							NV47N1008
102	1	Z1	NVG47AE	VCXOCAN	1	2							
103	0	Z2	NOT USED DIP OSC	14DIP300	0	0							
104		TUNING TOOL JOHANSON	4192		1	1	44F3380	NEED THIS TO TUNE C52					
105	4	BOMAR KNURLED NUT	364KNT		4	6		202-0007					
106	4	BOMAR JAM NUT	364NT		4	6		202-0288					
107	4	BOMAR WASHER	364LW		4	6		202-0286					
108	4	MOLEX 2X2 SHUNT	15-38-1024		4	10		863-0339					
109	2	MOLEX 2X2 CONNECTOR	22-55-2041		2	2		863-0467					
110	20	12 FEM PIND FOR ABOVE	16-020104		20	20		863-0594					
111	0	C52 VARIOUS TEST CAPS	3.3 PF		0	2	70K9325						
112	0	C52 VARIOUS TEST CAPS	6.8 PF		0	2	70K9341						
113	0	C52 VARIOUS TEST CAPS	10 PF		0	2	74R1812						
114	1	DIP 8 SKT			1	2		900-0004					
115	1	DIP 40 SKT			1	1		900-0024					
116	5	DIP 14 SKT			5	6		900-0006					
117	3	DIP 16 SKT			3	4		900-0008					
118	1	RED LED			1	1		511-0261					
119	1	YEL/AMBER LED			1	1			645-24880683333-504F				
120	4	BLK BNC INLINE AMP	AMP P/N 5227161-6		4	3		374-2180					
121	8	LOCKWASHER			8	8		512-2190					
122	8	JAM NUT			8	8		512-2191					
123													
124	1	DIODE	RB751V40T1G ON SEMI		1	10							
125													
126													
127													