

PULSE DISCRIMINATOR PD 3200 Revised: Monday, September 12, 2005
Full schematic diagram Revision: 1.1

Bill Of Materials September 12,2005 8:24:10

Item	Quantity	Reference	Part
1	1	C1	4,7n
2	2	C2,C6	100n
3	12	C3,C22,C25,C26,C29,C30, C33,C36,C40,C41,C47,C48	0,1
4	6	C4,C9,C42,C43,C44,C50	10,0
5	1	C5	4700,0
6	5	C7,C8,C10,C34,C35	470,0
7	5	C12,C13,C27,C28,C31	100,0
8	1	C14	4700
9	3	C20,C23,C24	47,0
10	1	C21	22n
11	1	C49	1n
12	6	D1,D2,D3,D8,D9,D16	1N5819
13	4	D4,D6,D7,D10	BAT42
14	1	D5	1N5822
15	3	D11,D13,D14	BAT 42
16	1	J1	LM135
17	1	J2	POWER SW
18	1	J3	BAT
19	1	J4	COIL
20	1	J6	CHARGE
21	1	J7	EXT_SP
22	1	J8	PROG
23	2	J9,J10	HEADER 17
24	1	J11	JOG
25	1	J12	EXT. BUTTONS
26	1	LS1	PIEZO
27	1	L1	47uH
28	1	L2	100uH
29	3	Q1,Q2,Q9	BC547
30	2	Q3,Q5	BC557
31	1	Q4	IRF9540N/TO
32	1	Q6	IRF530
33	6	R1,R12,R13,R77,R87,R88	4,7k
34	14	R2,R4,R5,R10,R20,R21,R24, R29,R31,R50,R63,R81,R82, R102	2k
35	6	R3,R25,R28,R45,R46,R76	10k
36	2	R6,R33	100k
37	12	R7,R8,R11,R23,R32,R48, R49,R55,R56,R57,R58,R80	1k
38	1	R14	600
39	4	R16,R17,R18,R19	0.4ohm

40	1 R22	3k
41	4 R26,R83,R84,R100	33k
42	3 R27,R90,R91	47k
43	2 R34,R35	20k
44	2 R36,R86	15k
45	1 R37	0,47 ohm/1W
46	2 R38,R85	3,3k
47	2 R41,R42	470
48	1 R43	1M
49	5 R44,R47,R72,R73,R74	33
50	4 R51,R52,R53,R54	220
51	1 R60	47
52	1 R62	22k
53	5 R64,R66,R67,R68,R70	10
54	1 R75	0
55	1 R89	5,6k
56	1 R92	300
57	1 R101	1,5k
58	1 R103	200
59	4 R104,R105,R106,R107	0,4
60	1 R108	Rofs1
61	1 R109	Rofs2
62	1 TP1	TEMP IN
63	1 TP2	TEMP OUT
64	1 TP3	CLOCK
65	1 TP4	END PULSE
66	1 TP5	COIL CURRENT
67	1 TP6	2.56 REF
68	1 TP7	SIGNAL OUT
69	1 TP8	SAMPLE OUT
70	1 TP9	SOUND
71	1 TP10	COIL GND
72	1 TP11	DIG. GROUND
73	1 U1	74HC123
74	1 U2	TL074
75	1 U3	MC34063A
76	1 U4	LF356
77	1 U5	LF198
78	1 U6	NE555
79	1 U7	79L05/SIP
80	1 U8	78L05/SIP
81	1 U9	7805/SIP
82	1 U10	AT90SMEGA8_DIL
83	1 U12	LM2576/TO