

Bill Of Materials

July 10,2007

12:06:09

Page1

Item	Qty	Reference	Part	ORCAD Footprint
1	2	C4, C7	220uf	RC100\200+
2	11	C5, C6, C21, C24, C28, C29, C30, C31, C32, C33, C34	.1uf	AC100\125
3	5	C8, C9, C10, C11, C12	1uf	RC100\200+
4	2	C13, C14	27pf	AC100\125
5	1	C15	10uf	RC100\200+
6	4	C16, C17, C18, C19	.001UF	AC100\125
7	2	C22, C23	.22UF	AC100\125
8	1	C25	.1UF	AC200\125
9	2	C26, C27	1000UF	CYL/D.725/LS.300/.040
10	9	D4, D5, D7, D9, D11, D14, D15, D16, D21	1N4007	H_DIODE
11	4	D6, D8, D10, D12	DIODE ZENER1	H_DIODE
12	4	D13, D17, D18, D19	LED	LED
13	1	D20	1N914	H_DIODE
14	4	D22, D23, D24, D25	BYV27/20	H_DIODE LARGE
15	2	JP5, JP9	HEADER 2	5_08_T_BLOCK2
16	2	JP6, JP8	HEADER 2	3_81_T_BLOCK2
17	1	JP11	HEADER 5X2	J\10P
18	1	JP12	HEADER 10	3_81_T_BLOCK10
19	1	JP13	HEADER 3	MOLEX\3P\100
20	3	J4, J5, J6	CON2	SOLDER PADS
21	4	Q2, Q3, Q4, Q5	MOSFET N	T0220FET GDS
22	2	R1, R21	1K	AC100\100
23	2	R2, R3	4.7K	AC100\100
24	4	R4, R6, R8, R10	22	AC100\100
25	4	R5, R7, R9, R11	270	AC100\100
26	4	R13, R15, R16, R27	10K	AC100\100
27	3	R14, R23, R24	470	AC100\100
28	5	R17, R28, R29, R30, R31	.1, 5W	CURRENT SHUNT
29	1	R18	100	AC100\100
30	3	R19, R33, R34	1.2K	AC100\100
31	1	R20	3.3K	AC100\100
32	1	R22	5K POT	TRIMPOT
33	1	R25	560	AC100\100
34	1	R26	22K	AC100\100
35	1	R32	1.8K, 2W	AC450\220
36	1	U1	UHU CONTROLLER	DIP20
37	1	U6	AT90S2313	DIP8
38	1	U8	HCPL2231	DIP16
39	1	U9	MAX232	T0-92A
40	1	U10	DS1233	DIP8
41	1	U11	TL082	DIP14
42	1	U12	74HC14	DIP14
43	2	U13, U14	4013	DIP8
44	1	U15	IR2184	T0220AB
45	1	Y1	LM7805	CRYSTAL
			24Mhz	