



Title		
Size	Number	Revision
A4		
Date:	7/26/2008	Sheet of
File:	D:\workspace\Sheet1.Sch	Drawn By:

Bill of Materials

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Footprint	Comment	LibRef	Designator	Description	Quantity
0805	330pF50V	CAP	C1	Capacitor	1
RB.1/2	47uF/50V	ELECTRO1	C2	Electrolytic Capacitor	1
HVCAP	0.1uF/400V	CAP	C3, C4	Capacitor	2
0805	0.1uF/50V	CAP	C5	Capacitor	1
HVCAP	270pF/400V	CAP	C6	Capacitor	1
RB.2/4	1000uF/16V	ELECTRO1	C7	Electrolytic Capacitor	1
RB.1/2	470uF/16V	ELECTRO1	C8	Electrolytic Capacitor	1
3216	10uF/10V	CAPACITOR	C9, C10, C67, C68, C69, C70, C71	Capacitor	7
		POL			
RB.3/6	470uF/100V	ELECTRO1	C11	Electrolytic Capacitor	1
3528	4.7uF/25V	CAPACITOR	C12, C13, C14	Capacitor	3
		POL			
0805	100pF/50V	CAP	C15	Capacitor	1
0805	10nF/50V	CAP	C16, C17, C18	Capacitor	3
RB.1/2	100uF/25V	ELECTRO1	C19	Electrolytic Capacitor	1
RB.2/4	220uF/35V	ELECTRO1	C20	Electrolytic Capacitor	1
0805	470pF/50V	CAP	C21	Capacitor	1
7243	100uF/10V	CAPACITOR	C22	Capacitor	1
		POL			
RB.2/4	330uF/25V	ELECTRO1	C23, C24	Electrolytic Capacitor	2
6032	10uF/25V	CAPACITOR	C25	Capacitor	1
		POL			
0805	0.1uF	CAP	C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46	Capacitor	21
0805	0.01uF	CAP	C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61	Capacitor	15
0805	47pF/50V	CAP	C62	Capacitor	1
0805	DNI	CAP_RES1	C63, R51, R52	Capacitor	3
0805	30pF	CAP	C64, C65	Capacitor	2
0805	10pF	CAP	C66	Capacitor	1
0805	0.047uF	CAP	C72	Capacitor	1
0805	0.33uF	CAP	C73, C74, C75	Capacitor	3
0805	2200pF	CAP	C76	Capacitor	1
D0805	RED	LED	D1, D2	Diode	2
D1812	10MΩ/100N	DIC0E	D3, D4, D5, D6	Diode	4
TO-220AC-M	6TQ045	6TQ045	D7	Diode	1
D0805	GREEN	LED	D8	Diode	1
CON508-3	POWER	CON3	J1	Connector	1
CON508-3	MOTOR	CON3	J2	Connector	1
CON508-2	CON2	CON2	J3	Connector	1
IDC20	P1P2	CON20	J4	Connector	1
SIP3A	RS232	CON3	J5	Connector	1
SIP6A	AIN	CON6	J6	Connector	1
SIP6A	P3	CON6	J7	Connector	1
MHDR2X10	JTAG	CON20	J8	Connector	1
SIP2	P30	HEADER 2	JF1	Connector	1
SIP2	P14	HEADER 2	JF2	Connector	1
AXIAL0.4	10uH3A	INDUCTOR1	L1	Inductor	1
TO-220V	IRFBG30	MOSFET N	Q1	MOSFET	1
SOT-23	MMBT3904LT1	58050LT1	Q2	Diode	1
0805	1K6	RES1	R1	Resistor	1
0805	10K	RES1	R2, R3, R4, R5, R6	Resistor	5
0805	5K1	RES1	R7	Resistor	1
0805	68K	RES1	R8	Resistor	1
0805	2K	RES1	R9	Resistor	1
AXIAL0.6	15K/1W	RES1	R10	Resistor	1
0805	100	RES1	R11	Resistor	1
0805	1K	RES1	R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28	Resistor	17
AXIAL0.6	5K1/1W	RES1	R29	Resistor	1
AXIAL0.6	1/1W	RES1	R30	Resistor	1
0805	330	RES1	R31	Resistor	1
0805	47	RES1	R32	Resistor	1
0805	22K	RES1	R33	Resistor	1
0805	4K7	RES1	R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49	Resistor	16
0805	12K	RES1	R50	Resistor	1
0805	5K11	RES1	R53, R54	Resistor	2
0805	110K	RES1	R56, R56	Resistor	2
0805	10	RES1	R57	Resistor	1
0805	1M	RES1	R58, R59	Resistor	2
0805	470	RES1	R60, R61	Resistor	2
0805	0	RES1	R62	Resistor	1
0805	15K	RES1	R63	Resistor	1
RTC762	NTC/K006L	THERMISTOR	RT1	Thermistor	1
SIP2	RST	CON2	S1	Connector	1
EE16	DXDZ-BK535Z7	T100EE16	T1	Transformer	1
SIP2	CON2	CON2	TP1, TP2, TP3, TP4	Connector	4
sp1a	CON1	CON1	TP5, TP6, TP7	Connector	3
sp1a	VSS	CON1	TP8	Connector	1
sp1a	GND	CON1	TP9	Connector	1
SIP1A	DA0	CON1	TP10	Connector	1
SIP1A	DA1	CON1	TP11	Connector	1
SIP1A	DA2	CON1	TP12	Connector	1
SO-8	UC3842AD8	UC3842AD8	U1	IC	1
IRAMX16UP	IRAMX16UP808	IRAMX16UP808	U2	IC	1
0B-2					
TO-220V	MC7815T	MC7815T	U3	IC	1
TO-220V	LM2940-5	MC7805T	U4	IC	1
TQ64	IRMCF341	IRMCF341	U5	IC	1
SC-70-5	SN74LVC1G14	SN74LVC1G14	U6	IC	1
0805	CK	CK			
SO-8	ADUM1201BR	ADUM1201BR	U7, U8	IC	2
SO-16	MAX3221CDBR	MAX3221CDBR	U9	IC	1
SO-8	AT24CS12N	AT24CS12	U10	IC	1
SO-8	AT24CS02N	AT24CS12	U11	IC	1
SOL-16	ADUM1401BR	ADUM1401BR	U12	IC	1
SOT-223	NCP1117ST18	LM117T	V1	IC	1
3G					
XTAL1	4.000M	CRYSTAL	Y1	Crystal	1

Approved	Notes