

Comment	Description	Designator	Footprint	LibRef	Quantity
Cap	Capacitor	C1, C5	Cap p156x18	Cap	2
Cap	Capacitor	C2	CAP22.5_W8.3L281 X2	Cap	1
Cap	Capacitor 275V	C3	CAP27.5MM_13MM	Cap	1
		C4, C7, C8, C11, C12, C13, C14, C15 C16, C19, C20, C21 C22, C25, C26, C27 C29, C30, C31, C32 C33, C34, C35, C37			
Cap	Capacitor	C805		Cap	24
Cap Pol	Polarized Capacitor	C6, C9, C10	Cap 6x10 mm	Cap Pol	3
593D476X0020D2	Tantamount Commercial, Surface Mount Solid Tantalum Chip Capacitor for Switch Mode Power Supplies and Converters: 47uF, 20% Tolerance, 20 WVDC@ +85°C, Surge = 20V	C17, C18, C23, C24 C28	7343	593D476X0020D2	5
593D106X0020C2	Tantamount Commercial, Surface Mount Solid Tantalum Chip Capacitor for Switch Mode Power Supplies and Converters: 10uF, 20% Tolerance, 20 WVDC@ +85°C, Surge = 20V	C36	6032	593D106X0020C2	1
Cap Pol	Polarized Capacitor	C38, C39, C40, C41 C42	Cap 7.5x16 mm	Cap Pol	5
Diode 1N4148	High Conductance Fast Diode	D1, D2, D4, D5	SOD-80	Diode 1N4148	4
Diode 1N4004	1 Amp General Purpose Rectifier	D3	DO-41	Diode 1N4004	1
SS34	SS34	D6, D7	SMB	SS34	2
D Zener	Zener Diode	D8, D9	SOD-80	D Zener	2
BZB84-B2V4	Dual Zener SOT23	DZ1	SOT-23(BZB84)	Dual Zener	1
Header 5	Header, 5-Pin	ICSP	HDR1X5	Header 5	1
TBP_3_PIN_5_SS TR_1	TBP3-5 SS TR	J1	TBP_3_PIN_5_SS TR_1	TBP_3_PIN_5_SS TR_1	1
JP2	JP2	JP1, JP2	SIP2	JP2	2
IND_Choke	L1		IND_Choke	IND_Choke	1
LED-G_R	Standard LED	LED1	LED3MM - G-R	LED-G_R	1
RS232	Header, 4-Pin	P1	HDR1X4	Header 4	1
FAN	Header, 2-Pin	P2	HDR1X2	Header 2	1
TB_2_PIN_5_SS-TR	TB2PIN_3,5 SS-TR	PS	TBP_2_PIN_5_SS TB_2_PIN_5_SS-TR	TB_2_PIN_5_SS-TR	1
IRL3803	HEXFET Power MOSFET	Q1, Q2, Q3, Q4, Q5 Q6, Q7, Q8	TO-220AB	IRL3803	8
BC817-40	NPN General-purpose Transistor	Q9	SOT23_N	BC817-40	1
Res	Resistor	R1, R2, R3, R4, R6, R7, R8, R9, R10, R12, R13, R14, R15 R16, R17, R18, R19 R20, R21, R23, R24 R25, R26, R27, R28 R29, R30, R31, R32 R33, R34, R35, R36 R37, R38, R40, R41 R42, R43, R44, R45 R46, R47, R48	D805	Res	44
Res	Resistor	R5, R11	Resistor 0.25W	Res	2
RPot	Potentiometer	R22	Potentiometer 2	RPot	1
BUT	BUT	Reset	But	BUT	1
NTC	Resistor	R1	D805	Res	1
TrimPot	Potentiometer	RT1	Potentiometer1	RPot	1
Inverter Transformer	Inverter Transformer	TR1		INV_Trafo	1
CT		TR2		CurrentTrafo	1
LM324M	Low-Power Quad Operational Amplifier	U1	M14A_N	LM324M	1
PIC16F876A-I/SP	Enhanced PIC16F876A-I/SP Microcontroller, 8K (x14-Bit words) FLASH, 368 Bytes RAM, 28-Pin PDIP 300mil, Standard VDD Range, Industrial Temperature	U2	PDIP300-28	PIC16F876A-I/SP	1
TLP250	TLP250	U3, U4, U5, U6	DIP8	TLP250	4
LM393M	Low-Power Low Offset Voltage Dual Comparator	U7	M08A_N	LM393M	1
LM78L05	3-Terminal Positive Regulator	U8	Z03A	LM78L05ACZ	1
LM317T	3-Terminal Adjustable Regulator	U9	T03B	LM317T	1
MC14053BF	Triple 2-Channel Analog Multiplexer/Demultiplexer	U10	966-01_N	MC14053BF	1
SN74HC257D	Quadruple 2-Line to Line Data Selector/Multiplexer with 3-State Outputs	U11	D016_N	SN74HC257D	1
XTAL	Crystal Oscillator	Y1	R38	XTAL	1