

Designator	Value	Description
C1	10uF	Polarized Capacitor (Radial)
C2	3.3uF	Polarized Capacitor (Radial)
C3	2.2uF	Polarized Capacitor (Radial)
C4	10uF	Polarized Capacitor (Radial)
C5	1uF	Polarized Capacitor (Radial)
C7	10uF	Polarized Capacitor (Radial)
C8	100nF	Capacitor
C9	100pF	Capacitor
C10	100nF	Capacitor
C11	100nF	Capacitor
C12	10pF	Capacitor
C13	100nF	Capacitor
C14	10nF	Capacitor
C15	100nF	Capacitor
C16	100nF	Capacitor
C17	100nF	Capacitor
C18	100uF	Polarized Capacitor (Radial)
C19	100uF	Polarized Capacitor (Radial)
C20	100nF	Polarized Capacitor (Radial)
D1	1N914/1N4148	Signal diode
D2	Diode 1N4004	1 Amp General Purpose Rectifier 1000V
D3	1000V 3A or better	Full Wave Diode Bridge
D4	Diode 1N4004	1 Amp General Purpose Rectifier
F1	0.5A fast blow	Fuse
J1		2-Conductor Jack with 1 break contact
JP1		Header, 2-Pin
JP2		Header, 2-Pin
P1		(solder wires to PCB)
Q1	3A 600V or better	Silicon Controlled Rectifier
R1	15R	Resistor
R2	10K	Resistor
R3	10k	Resistor
R4	8.2k	Resistor
R5	10K	Resistor
R6	10k	Resistor
R7	1K	Resistor
R8	12k	Resistor
R9	120k	Resistor
R10	22K	Resistor
R11	22K	Resistor
R12	100K	Resistor
R13	1K	Resistor
R14	1K	Resistor
R15	470R	Resistor
R16	470R	Resistor
R17	2.2K	Resistor
R18	1K	Resistor
R19	10K	Resistor
R20	2.2K	Resistor
R21	390K	Resistor
R22	100K	Resistor

R23	10K	trimmer Potentiometer
R24	20K	Potentiometer + plastic knob
R25	3.3k	Resistor
R26	3.3k	Resistor
R27	10K	Resistor
R28	1K	Resistor
R30	560R	Resistor
R31	560R	Resistor
R32	15R	Resistor
S1	250V 1A minimum	Switch
T1	30:1 See text	
U1	LM358AN	Low-Power Dual Operational Amplifier
U2	LM324N	Low-Power Quad Operational Amplifier
U3	LM555CN	Timer
U4	H11D1 or H11D2	Optoisolator
U5	L7812CV	Positive Voltage Regulator
XFT1	Flash tube	Xenon flash tube