

**NOTE THAT ALL COMPONENTS ARE SOLDERED TO THE FRONT OF THE PCB EXCEPT THE POWER HEADER (M08X2) OR OPTIONAL PROGRAMMING JUMPER JP1**

Qty	Value	Device	Parts
2	100R	Resistor	R6, R11
9	1K	Resistor	R1, R4, R7, R8, R9, R10, R12, R13, R18
3	10K	Resistor	R3, R5, R15
2	100K	Resistor	R2, R14
2	1M	Resistor	R16, R17
2	1N4004	Rectifier Diode	D1, D2
1		28 pin DIL Socket	IC1
4	2N3904	Transistor	Q1, Q2, Q3, Q4
2	100n	Ceramic Capacitor	C1, C3
1	10u	Electrolytic Capacitor	C2
1	16Mhz	Resonator	Y1
1	M08X2	Header	<b>U\$2 - SOLDER TO REAR OF BOARD!</b>
1	M06X1	Header	JP1 - NOT REQUIRED
2	PTCPTH	Resettable Fuse	F1, F2
1	ATMEGA168	Microcontroller	IC1
6	10K	Potentiometer	FILLA, FILLB, ROTA, ROTB, STEPA, STEPB
5		Jack	CLKA, CLKB, CLKIN, CLKTH, RSTIN
3	on-off-on	SWITCH-SPST	S1, S2, S3
3	3mm	LED	LEDA, LEDB, LEDC
6	6mm shaft	Knobs	
5	hex	lock nuts	

