

Components for Counter Board

1: U2 7805
5 Volt **Regulator**

2: R1, R2
330Ω Resistor
Orange-Orange-Brown

1: R3
10K Ω Resistor
Brown-Black-Orange

1: C1
220μF Electrolytic
Capacitor
Longer lead is +

1: C2
0.1 μF Capacitor

1: PWR_LED
Bi-Color
Longer lead is +

1: P1 Speed Adjust
10K Ω **Potentiometer**
*Adjusting screw matches
screw symbol on board*

5: S1, S2, S3, S4, S5
SPST **Switch** Pin spacing
allows only two ways to
place. Either way is OK.

2: 3-Pin Male **Header***
ISP

1: 14-Pin Female
Header*
LCD **Port**

Bare wires for jumpers

1: 28-Pin Dip Socket
ATMEGA_48

4: 20-Pin Male Ribbon
Cable **Connector****
See note below

1: ATMEGA 48
*Place in socket when
board is **completed**.*
Do Not Solder

Dashed outlines mean component orientation is critical
*The single slot in the housing aligns with silk screen marking