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

Dashed outlines mean component orientation is critical

*The single slot in the housing aligns with silk screen marking

1: C1
220μF Electrolytic Capacitor
Longer lead is +

1: C2
0.1 μF Capacitor
Longer lead is +

1: PWR_LED
Bi-Color

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

1: 3-Pin Male Header
ISP

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

1: 14-Pin Female Header
LCD Port

1: 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