

Components for Counter Board

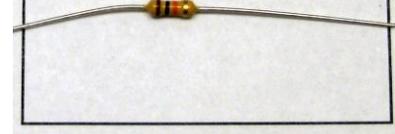
1: U2 7805
5 Volt Regulator



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

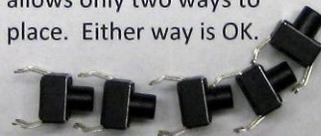
Longer lead is +



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



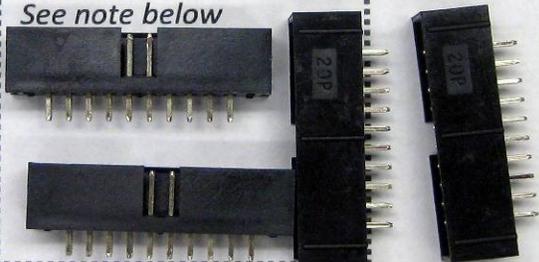
Bare wires for jumpers



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