

# Bill of Materials: Arduino on a breadboard.fzz

## Assembly List

Label	Part Type	Properties
C1	Ceramic Capacitor	voltage 6.3V; capacitance 22 $\mu$ F; package 100 mil [THT, multilayer]
C2	Ceramic Capacitor	voltage 6.3V; capacitance 22 $\mu$ F; package 100 mil [THT, multilayer]
LED1	Red (633nm) LED	package 0603 [SMD]; color Red (633nm)
S1	Momentary Switch	variant ksa_sealed; package ksa_sealed_tac_switch
U1	atmega328	type ATMEGA328; variant dip28 THT; package dip; version Atmega328-20PU
VCC1	Battery	voltage 3V
VCC2	Battery	voltage 3V
XTAL1	Crystal	type crystal; package SMD; frequency 16 Mhz

## Shopping List

Amount	Part Type	Properties
2	Ceramic Capacitor	voltage 6.3V; capacitance 22 $\mu$ F; package 100 mil [THT, multilayer]
1	Red (633nm) LED	package 0603 [SMD]; color Red (633nm)
1	Momentary Switch	variant ksa_sealed; package ksa_sealed_tac_switch
1	atmega328	type ATMEGA328; variant dip28 THT; package dip;

<b>Amount</b>	<b>Part Type</b>	<b>Properties</b>
		version Atmega328-20PU
2	Battery	voltage 3V
1	Crystal	type crystal; package SMD; frequency 16 Mhz