

The Art of Doing: Electronics For Everyone

Parts List

Part	Quantity	Link
Bread board	1 (large size for final project only)	Regular Bread Board Large Bread Board (final project only)
Assorted Jumper Wires	1	Jumper Wire Kit
Alligator Clips	4	Alligator Clips
9 Volt Batteries	1 (or Power Supply)	9 Volt Batteries
9 Volt Battery Pack	1 (or Power Supply)	9 Volt Battery Pack
DC Power Supply	1 (or Batteries)	DC Power Supply
Function Generator	1 (Optional)	Function Generator
Oscilloscope	1 (Optional)	Oscilloscope
Multimeter	1	Multimeter
Assorted Resistors (we will use the following values: 200, 330, 1K, 2K, 5.1K, 10K, 47K, 100K, 1M)	1 assorted kit - or - roughly 10 of each	Resistor Kit
Assorted Capacitors (we will use the following values: .1uF, 1uF, 47uF, 100uF, 220uF, 470uF, 1000uF)	1 assorted kit - or - .1uF:4 , 1uF:3, 47uF:2, 100uF:3, 220uF:1, 470uF:1, 1000uF:1	Capacitor Kit
Assorted LEDs	1	LED Assortment
Tri Color LED Common Cathode	1	Tri Color LED
Push Buttons	5	Push Button
Electret Microphone	1	Microphone
Piezo Speaker	1	Speaker
Light Dependent Resistor	1	Light Dependent Resistor Bigger Light Dependent Resistor
10K Linear Taper Potentiometer	2 (8 for final project only)	10K Pot
100K Linear Taper Potentiometer	2	100K Pot
1N4004 Diode	4 (8 for final project only)	Diode
PN2222 Transistor	2	Transistor
LM358 Operational Amplifier	2	Op Amp
LM555 Timer	2	555 Timer
CD4017 Decade Counter	1	Decade Counter