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| **Type** | **Part Description** | **Quantity** |
| Breadboard | Solderless, 830 Tie Points, 4 Power Rails | 1 ea |
| IC, DIP-8 | LM/UA741CN, Single Op Amp | 2 ea |
| IC, DIP-8 | LM358N, Dual Op Amp | 2 ea |
| IC, DIP-14 | LM3900N Or Lm2900, Quad Op Amp | 2 ea |
| IC, DIP-8 | TL071N, Dual Op Amp | 2 ea |
| Transistor | 2N4401, NPN, GP Switch/Amplifier, TO-92 | 4 ea |
| Transistor | 2N4403, PNP, GP Switch/Amplifier, TO-92 | 4 ea |
| Diode | 1N4001, 100V, 1 Amp, Silicon, Power | 4 ea |
| Diode | 1N4005, 600V, 1 Amp, Silicon, Power | 4 ea |
| Diode | 1N4148, Silicon, Signal | 10 ea |
| Zener Diode | 1N751, 5.1V, 500mWatt, Axial, DO-35 | 4 ea |
| Zener Diode | 1N5245, 15V, 500mWatt, Axial | 5 ea |
| Resistor | 20 Ohms, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 56 Ohms, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 82 Ohms, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 150 Ohms, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 220 Ohms, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 320 Ohms, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 430 Ohms, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 510 Ohms, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 680 Ohms, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 1.2K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 2.7K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 3.3K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 4.7K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 6.8K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 11K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 24K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 39K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 56K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 82K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 120K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 200K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 680K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 820K, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 1.0M, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Resistor | 2.7M, 1/4 Watt, 5%, Carbon Film | 5 ea |
| Capacitor | 1.5pF, 50v, NPO, Ceramic Disc | 2 ea |
| Capacitor | 18pF, 50v, NPO, Ceramic Disc | 2 ea |
| Capacitor | 47pF, 50v, NPO, Ceramic Disc | 2 ea |
| Capacitor | 120pF, 50v, NPO, Ceramic Disc | 2 ea |
| Capacitor | 220pF, 50v, NPO, Ceramic Disc | 2 ea |
| Capacitor | 470pF, 50v, NPO, Ceramic Disc | 2 ea |
| Capacitor | 750pF, 50v, NPO, Ceramic Disc | 2 ea |
| Capacitor | .01uF, 50v, X7R, Ceramic Disc | 2 ea |
| Capacitor | .022uF, 50v, X7R, Ceramic Disc | 2 ea |
| Capacitor | .033uF, 50v, Metal Polyester | 2 ea |
| Capacitor | .04uF, 50v, X7R, Ceramic Disc | 2 ea |
| Capacitor | .15uF, 50v, X7R, Ceramic Disc | 2 ea |
| Capacitor | .10uF, 50v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 2.2uF, 25v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 3.3uF, 50v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 10uF, 16v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 22uF, 10v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 47uF, 16v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 100uF, 16v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 220uF, 10v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 470uF, 16v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 1200uF, 10v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 1500uF, 16v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 2200uF, 6.3v, 85° C, Aluminum, Radial | 2 ea |
| Capacitor | 3.3uF, 25V, Tantalum, Radial | 2 ea |
| Capacitor | 15uF, 16V,Tantalum, Radial | 2 ea |
| Capacitor | 33uF, 6V, Tantalum, Radial | 2 ea |
| Crystal | 4.9152 MHz, HC-49U | 1 ea |
| Crystal | 7.3728 MHz, HC-49U | 1 ea |
| Crystal | 13.500 MHz, HC-49U | 1 ea |
| Clock Oscillator | 50.000 MHz, DIP-4 | 1 ea |
| Inductor | 12uH, Radial | 2 ea |
| Inductor | 100uH, Axial | 2 ea |
| Inductor | 220uH, Axial | 2 ea |
| Inductor | 1.0mH, Axial | 2 ea |
| LED | Bi-Color, Red & Green, Diffused | 2 ea |
| LED | Red, Bright, Round, 5mm | 3 ea |
| LED | Green, Bright, Round, 5mm | 3 ea |
| LED | Yellow, Bright, Round, 5mm | 3 ea |
| LED | Blue, Bright, Round, 5mm | 3 ea |
| LED | White, Bright, Round, 5mm | 3 ea |
| Potentiometer | 470 Ohms, Single-Turn, PCB Mount | 1 ea |
| Potentiometer | 1.0K, Single-Turn, PCB Mount | 1 ea |
| Potentiometer | 22K, Single-Turn, PCB Mount | 1 ea |
| Potentiometer | 100K, Single-Turn, PCB Mount | 1 ea |
| Potentiometer | 220K, Single-Turn, PCB Mount | 1 ea |
| Potentiometer | 320K, Single-Turn, PCB Mount | 1 ea |
| Potentiometer | 1.0M, Single-Turn, PCB Mount | 1 ea |
| Battery Clip | 9V, Snap-type, 2 wires | 1 ea |
| Speaker | 8 Ohms, .1 Watt, Round, Miniature | 1 ea |
| Switch | Pushbutton, SPST Momentary, PCB Mount | 2 ea |
| Switch | Slide, SPDT Momentary, PCB Mount | 2 ea |
| Microphone | Electret, Panasonic | 1 ea |
| Header | Male, 8-pin .100" Centers, Square Post, Breakable | 1 ea |
| Jumper | Shorting Plug for Header, .100" Spacing | 2 ea |