<table>
<thead>
<tr>
<th>Num</th>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>2</td>
<td>R1</td>
<td>330 Ohm 1/4 Watt Resistor</td>
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<tr>
<td>8</td>
<td>R2</td>
<td>1K Ohm 1/4 Watt Resistor</td>
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<tr>
<td>3*</td>
<td>R3</td>
<td>1K Ohm Resistor DIP Package (x 8)</td>
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<td>3*</td>
<td>R4</td>
<td>2.2K Ohm Resistor Network (SIP)</td>
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<td>1</td>
<td>R5</td>
<td>82pf/50V Ceramic Capacitor</td>
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<tr>
<td>1</td>
<td>C1</td>
<td>.1uf/50V Ceramic Capacitor (104)</td>
</tr>
<tr>
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<td>C2</td>
<td>.01uf/50V Monolythic Ceramic Capacitor (103)</td>
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<td>C3</td>
<td>.1uf/50V Monolythic Ceramic Capacitor (104)</td>
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<td>1uf/50V Monolythic Ceramic Capacitor (105)</td>
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<tr>
<td>4</td>
<td>C5</td>
<td>10uf/25V Radial Electrolytic Capacitor</td>
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<tr>
<td>1</td>
<td>C6</td>
<td>47uf/10V Tantalum Capacitor</td>
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<tr>
<td>1</td>
<td>C7</td>
<td>100uf/10V Tantalum Capacitor</td>
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<tr>
<td>1</td>
<td>D1</td>
<td>1N4002 1 Amp 100V Rectifier Diode</td>
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<tr>
<td>1</td>
<td>D2</td>
<td>1N5817 1 Amp 20V Schottky Diode</td>
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<td>1</td>
<td>D3</td>
<td>RED - LED Uni-Color (Clear) T1</td>
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<tr>
<td>1</td>
<td>D4</td>
<td>RED - LED - Clear - T-1 3/4</td>
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<td>D5</td>
<td>Bar Graph Display LED (x 10)</td>
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<tr>
<td>5*</td>
<td>IC1</td>
<td>74HC00 Quad 2-Input NAND Gate</td>
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<tr>
<td>5*</td>
<td>IC2</td>
<td>74HC02 Quad 2-Input NOR Gate</td>
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<tr>
<td>2</td>
<td>IC3</td>
<td>74HC04 Hex Inverter</td>
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<td>IC4</td>
<td>74HC08 Quad 2-Input AND Gate</td>
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<td>IC5</td>
<td>74HC10 Triple 3-Input NAND Gate</td>
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<td>IC6</td>
<td>74HC11 Triple 3-Input AND Gate</td>
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<td>IC7</td>
<td>74HC74 Dual D Flip/Flop With Set and Reset</td>
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<td>2*</td>
<td>IC8</td>
<td>74HC153 Dual 4-Input Multiplexer</td>
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<tr>
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<td>VR1</td>
<td>3.3V Voltage Regulator</td>
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<td>VR2</td>
<td>IC REG LDO 3.3V 0.8A Low Drop Regulator</td>
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<td>VR3</td>
<td>IC REG INV -5V 0.2A 8-Pin DIP</td>
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<td>CH1</td>
<td>10uH Inductor 1.1 Amp Wire Wound</td>
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<td>RF1</td>
<td>Resettable PTC Fuse - 500mA</td>
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<td>3*</td>
<td>SW1</td>
<td>8-Input DIP Switch</td>
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<td>HD1</td>
<td>Header Connector - Female - 4-Pin - .1&quot;</td>
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<td>HD2</td>
<td>Male Header - 3-Pin</td>
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<td>HD3</td>
<td>64-Pin Single Header</td>
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<td>SJ1</td>
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<td>SK1</td>
<td>44-Pin PLCC Socket</td>
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<td>USB Connector Type A - Vertical</td>
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<td>USB2</td>
<td>USB Receptacle 5-Position Right Angle</td>
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<td>BC1</td>
<td>Banana Plug Connector - PM - Uninsulated</td>
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<td>MC1</td>
<td>Mini USB 2.0 Cable Type A Male to 5 Pine Mini B Male</td>
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<td>BB1</td>
<td>Breadboard, 830 Tiepoints</td>
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<td>Jumper Wire Kit - 350-Pieces</td>
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<td>Protoboard</td>
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<td>FP1</td>
<td>Kester Flux Pen</td>
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<td>SW1</td>
<td>Solder Wick</td>
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<tr>
<td>1</td>
<td>TB1</td>
<td>Toolbox</td>
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*Note: Reserve one '00, '02, '153 for lab quizzes only. Also reserve parts for eight LED circuits and eight switch circuits.