



**+5 Volts**

**PHOTO-DIODE**

**VR2 (DELAY ADJUST)**

**C1 C2 C3**

**C4**

**R1**

**R2**

**Power LED**

**R3**

**C8**

**Trigger LED**

**R4**

**VR1 (SENSITIVITY)**

**556 TIMER (LM556CN)**

**C6**

**C7**

- C1, C2, C3 = 1 uF 50V Ceramic Caps**
- C4, C5, C6, C7 = .01 uF 50V Metal Film Caps**
- C8 = 10 uF 35V Electrolytic Cap**
- R1= 22K Ohms 1/4 W**
- R2= 1K Ohms 1/4 W**
- R3, R4 = 120 Ohms 1/4 W**
- VR1, VR2 = 200 K Ohms .5W Multi-turn Pot**
- PHOTODIODE = SHARP BS120E0F**

**1 14**  
**2 13**  
**3 12**  
**4 11**  
**5 10**  
**6 9**  
**7 8**

**7404 INVERTER (74LS04)**

**Red USB Wire**

**Black USB Wire**