



**Notes:** .

- $.022\mu\text{F}$  capacitor can be made from two  $.01\mu\text{F}$  capacitors in parallel
- Charge of C1 is Servo Pulse Width - determined by R1, R2, C1
- Discharge of C1 is time between pulses - determined by R3, C1
- $1\text{M}$  resistor results in  $15\text{ms}$  pause between pulses;  $10\text{M}$  is higher (less jitter, but also less responsive to quick changes)
- Capacitor on pin 5 provides stability (less drift)
- put CdS cell between R2 and Pin 7, or replace R1 for light control
- $100\mu\text{F}$  cap across power supply reduces circuit noise