Timing and Interrupts on the PIC

Today:

- Finish circuit practicalities
- Timer configuration
- Interrupt handling

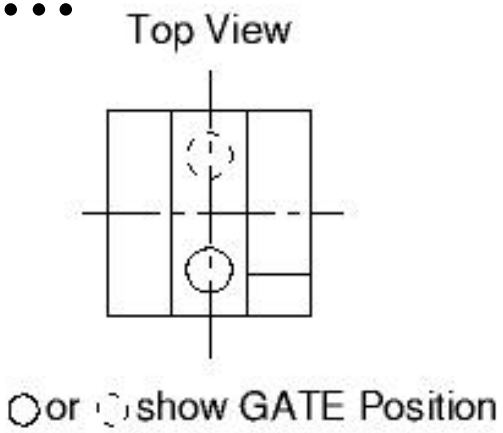
Administrivia

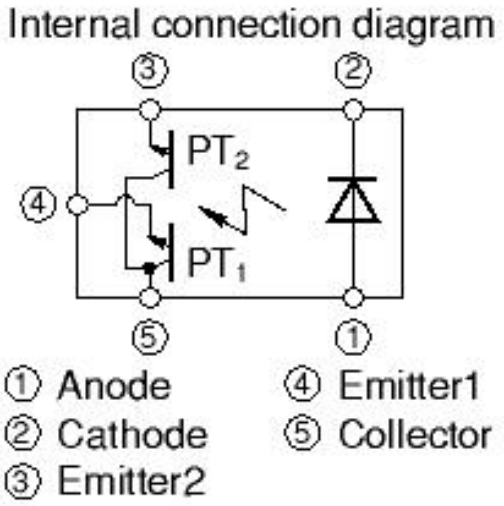
- Due date Tuesday the 14th:
  - HW 1 in class
  - Milestone 2 by 17:00

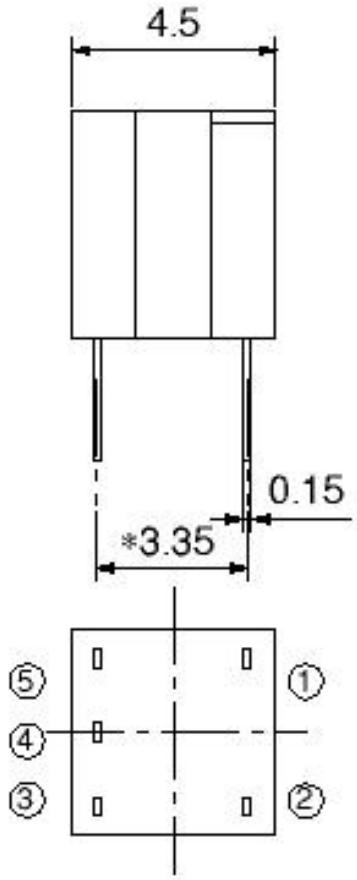
Sensor of the Day...

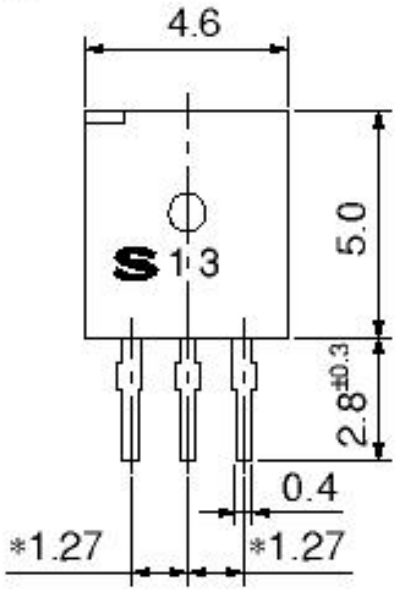
Sensor of the Day... Tilt Sensor

- LED
- Phototransistors: think of them as switches for now
- Ball bearings: as a function of orientation, block the path of the light from the LED to the phototransistor







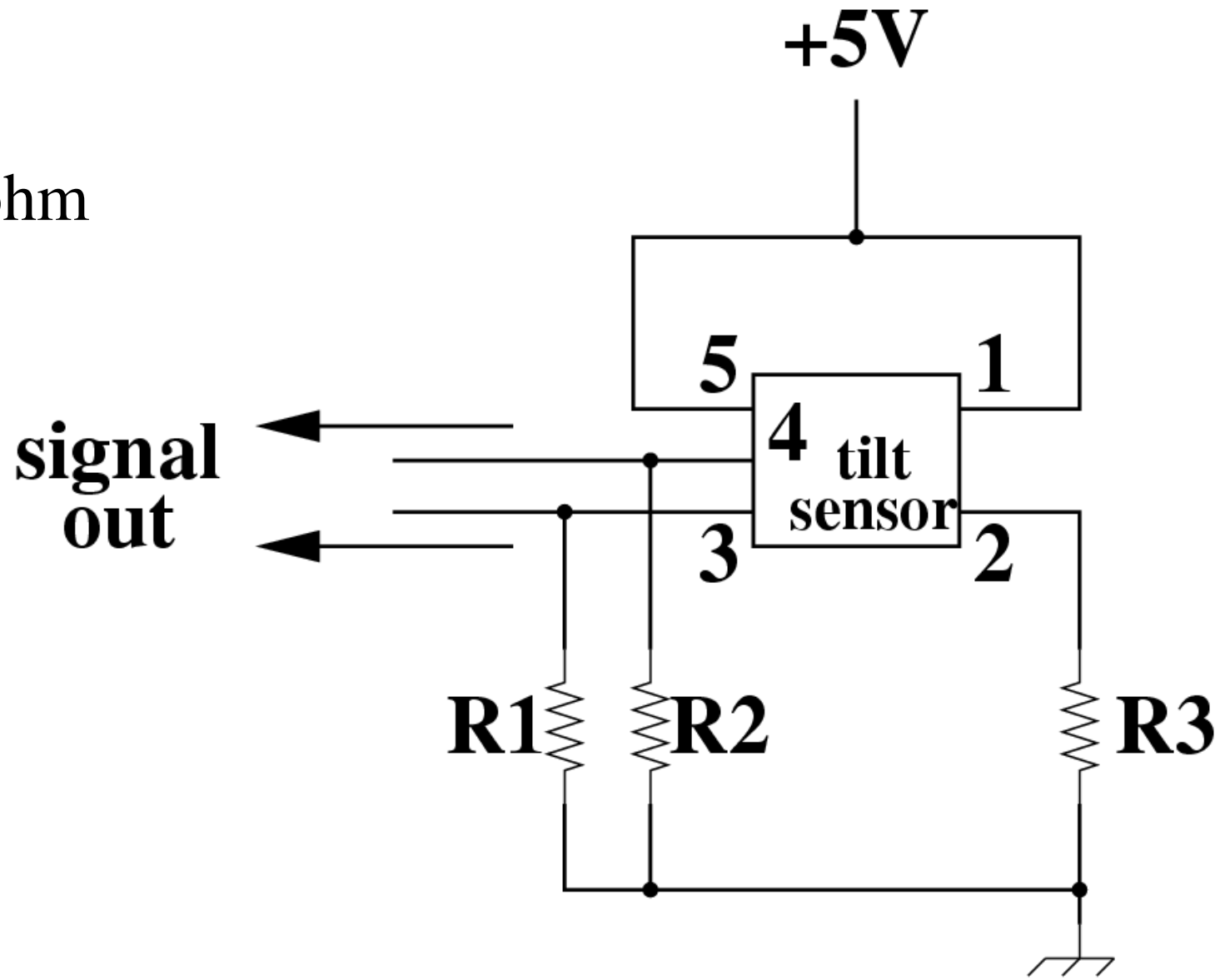


* Unspecified tolerance : ±0.2mm
* The dimensions indicated by * refer to those measured from the lead base.
* Burr is not included in the dimensions. Burr's dimensions : 0.15MAX.

Tilt Sensor Specifics

R1=R2=10K ohm

R3 = 200 ohm



Next Time

- Timers and interrupts continued
- PWM control
- Handling critical sections
- Tuesday:
  - Milestone 2 and homework 2 are due