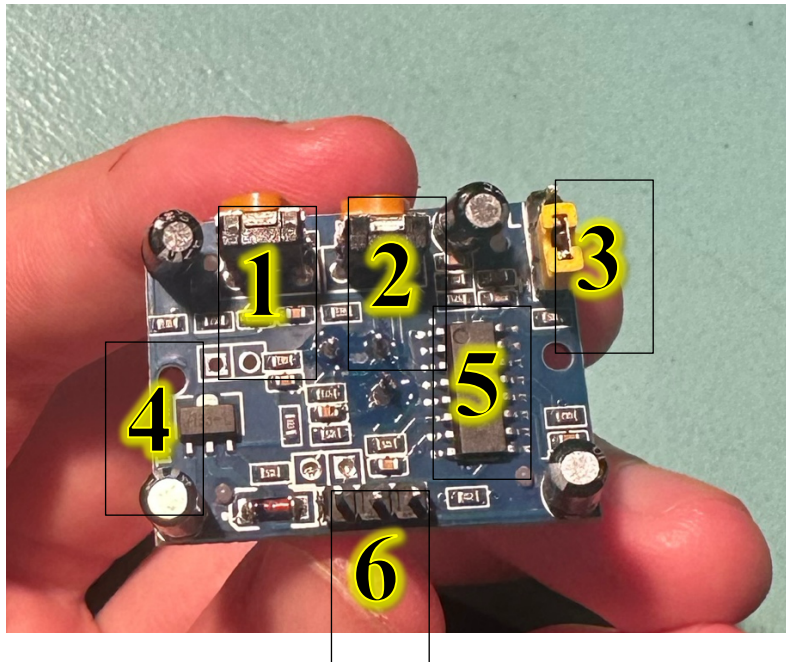Assignment 8 Garrett Haldrup

1)

See haldrup_active_buzzer.mp4

A S8050 PNP transistor is need because the signal from the Pi needs to be amplified so it is possible to hear the buzzer

2)



1) Delay Adjustment Pot: Adjusts the delay that the pin is high after motion detected
2) Distance Pot: Adjusts how sensitive the device is
3) Trigger Mode Jumper: Select either H or L mode depending on desired device behaviour
4) Voltage Regulator: Regulates the voltage to 3V
5) PIR Chip: The main chip that controls to functions and input and output of the PIR sensor
6) I/O pins: Ground, Output Pin, and VCC pins