



Section	name	Use	schematic
Figure 1.1	ESP32-S3-WROOM-1	The ESP32 is the brain of the system, processes al the information, and sends WiFi commands to the Raspberry pi	ESP
Figure 2.1	Buttons 1 & 2	May be removed in a later version, as all they are needed for is programming. Right now they are the default BOOT and RESET buttons	Buttons
Figure 3.1	PIR breakout	Breakout pins for the PIR motion sensor	Motion Sensor
Figure 4.1	AMS1117-3.3 LDO	Takes the higher voltage from the USB and brings it to a usable 3.3 volts	power
Figure 5.1	TP4056	This is the Battery management circuit. Makes sure the battery doesn't explode	Battery Management
Figure 6.1	LED	Useful for debugging and for giving status. Not much is planned	LED



