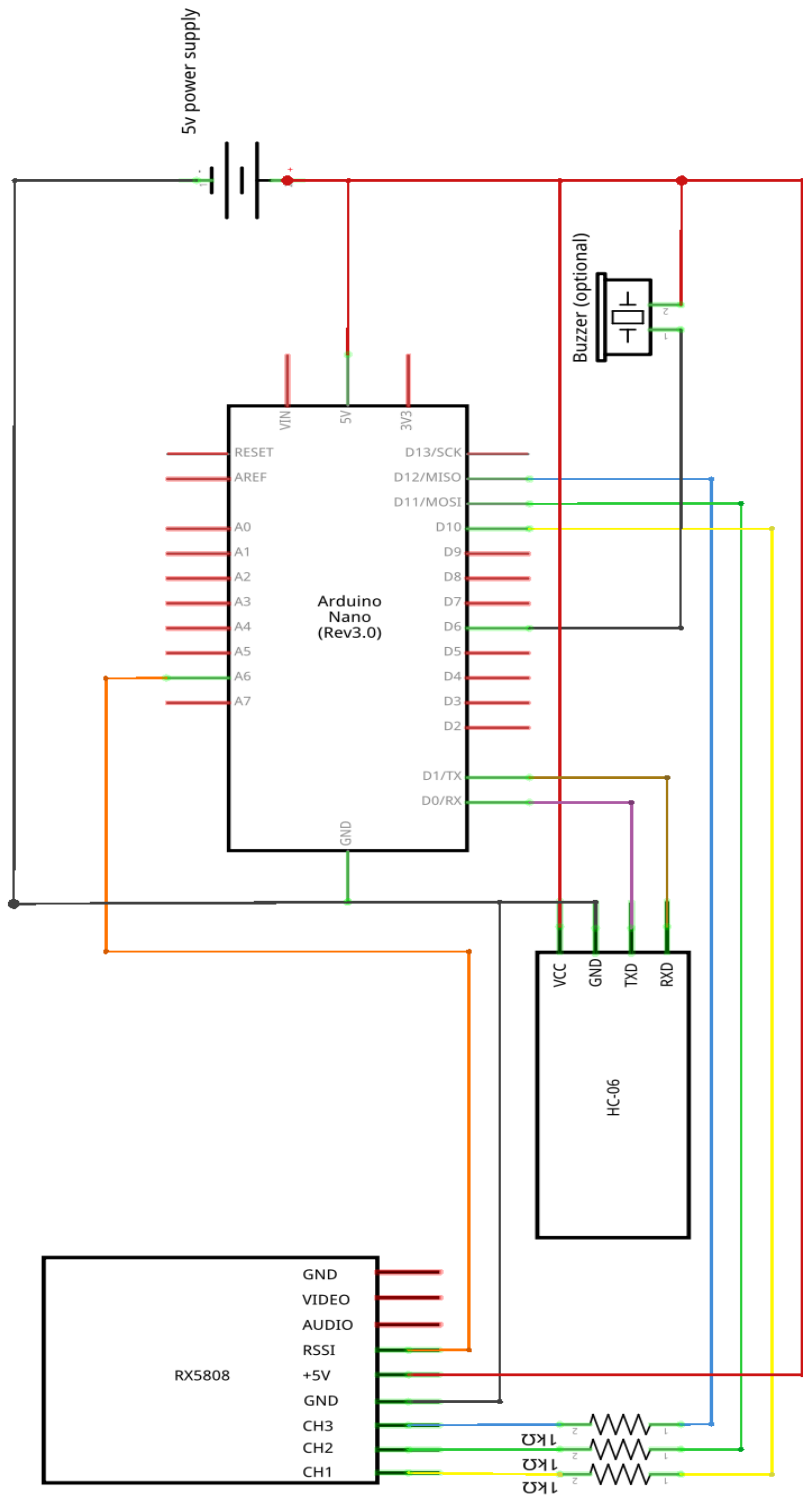


# **PIDflight Lap Timing System: Revision 01**

## Schematic



fritzing

## Parts

- 1x Arduino Nano
- 1x RX5808 module with SPI mod
- 1x HC-06 Bluetooth module
- 1x 5v buzzer (optional)
- 3x 1K resistors

NOTE: The buzzer will emit a beep when RSSI calibration commences and ends, and when a lap starts / stops. This is not require as the application will display the device status (i.e. "Calibrating" and "Timing").

## Pin-outs

5v Power	Arduino	RX5808	HC-06	Buzzer
5V	5V	+5V	VCC	5V
GND	GND	GND	GND	
	A6	RSSI		
	D6			GND
	D10 (→1K→)	CH1		
	D11 (→1K→)	CH2		
	D12 (→1K→)	CH3		
	TX		RX	
	RX		TX	