# pigetArduino/gpsLogger

pigetArduino

## GPS Logger

Log speed/altitude/gps coordinate in a universal .csv file (DAYHOURMINUTESSECOND.csv)

## Compatibility

- Libre office calc / Excel
- Gpsies.com (you can convert it in gpx)
- Viking : https://sourceforge.net/projects/viking/

## Buzzer sound

- Heavy sound : GPS/SD card fatal error
- Soft repetitive sound : GPS is calibrating
- Melody : GPS is online
- Soft and short sound : GPS coordinates saved to sd
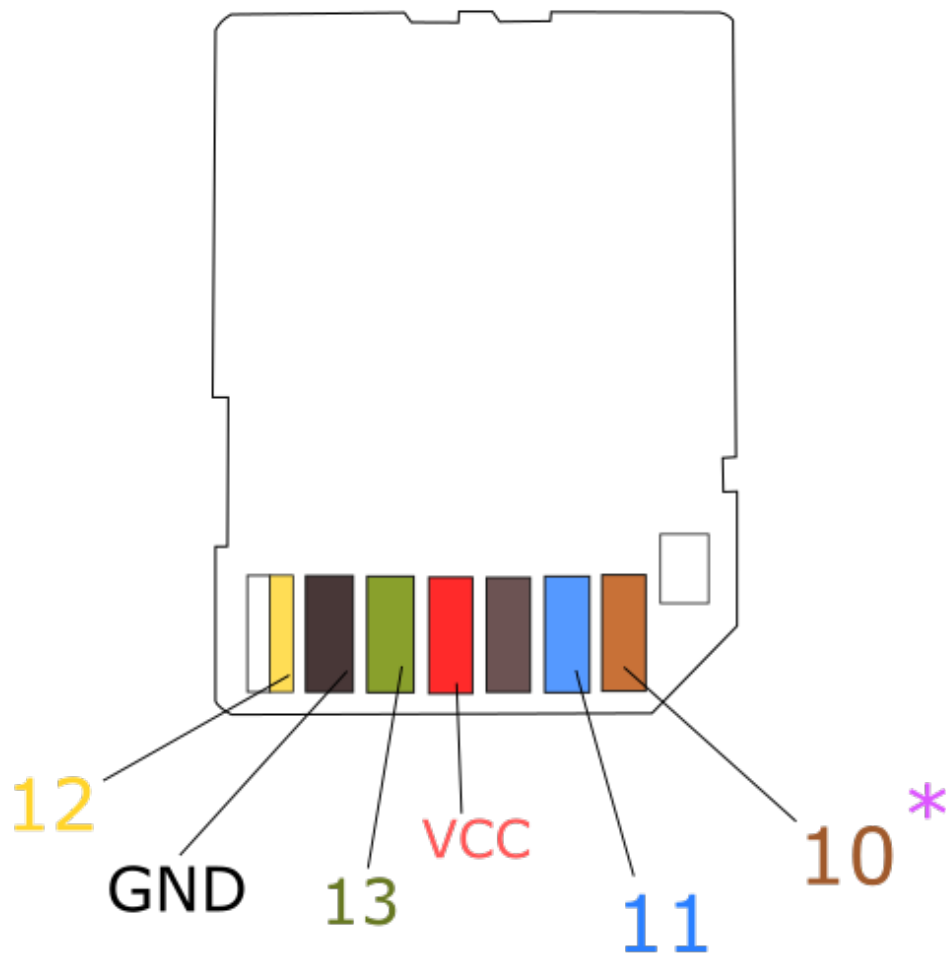
## Components:

- Ublox GPS module (or compatible with tinygps++)
- Micro SD to SD card Adapter
- A buzzer
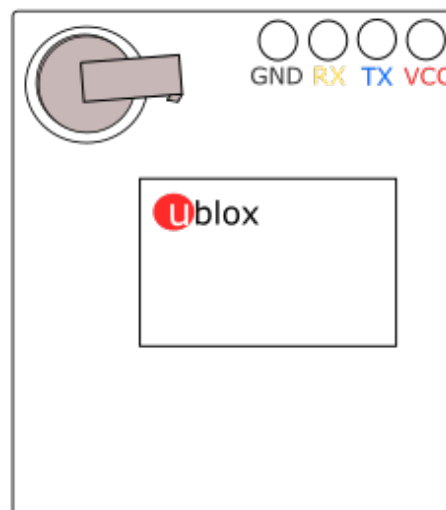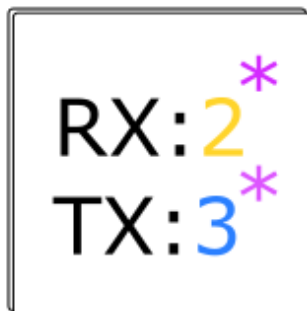- An Arduino Pro Mini 3V
- Batteries

## Tools:

- ftdi 3V/5V programmer

## Wiring:

# SD card Adapter

12
GND
13
VCC
11
10 *

# GPS

RX:2 *
TX:3 *

GND RX TX VCC

ublox

DO NOT PLUG TX/RX INTO TX/RX

GPSlogger

* changeable

- SD card

- 1 --> X

- 2 --> 12

- 3 --> GND

- 4 --> 13

- 5 --> VCC

- 6 --> GND

- 7 --> 11

- 8 --> 10 (Chip select)

- GPS

- RX --> 2

- TX --> 3

- Buzzer

- + ---> 9

## Libraries

- TinyGPS++ library
- LowPower library

## 3D models

New design will be upload...

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