ALog BottleLogger v.2.2.0
User's layout

Legend

- Ground (GND; 0V)
- Power (VCC)
  - 3.6 - 4.7 V with 3 primary Alkaline cell batteries via jack/plug
  - [OR} 5V powered via USB
- Switched voltage supply: 3.3V or 5V*
  - *5V charge pump provides up to 5.2V until current draw hits 5-10 mA
- Digitial inputs and outputs (I/O):
  - In-system programmer access: burn bootloader (or programs directly)
  - MOSI, MISO, SCK: SPI bus (also used for SD card)
  - D9, D6: PWM-enabled digital I/O pins
  - D3-INT1: External interrupt can be read at this digital I/O pin
  - RX, TX: UART (also connected to USB comms via 1kΩ in-series resistors)
  - SDA, SCL: I2C bus operating at 3.3V (also connected to RTC)
  - USB: Communication with logger via USB-Serial converter and UART
- Analog inputs, referenced to 3.3V
- Reference resistor headers for voltage dividers