

# 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
  - Digital 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  $1k\Omega$  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

