# Afromini AMAZE (hw.rev3)

6 ESC/Servo Headers

Default front orientation

GND

5V (up to 16V)

Signal

6 5 4 3 2 1

M1 M2 M3 M4 M5 M6

afromini amaze

Status LEDs
Blue: Power
Red+Green: Various

Buzzer signal output, connect to buzzer (-)

beep

SWD Header
I=IO,G=GND,C=CLK,3V

I G C 3V

bootloader pads, short with paperclip

boot

rc5
rc6
rc7
rc8

RC channels 5 to 8, for AUX redirect, softserial, or LED output. 1.27mm pitch

CH8..5

Battery voltage monitor (1S..6S)

vbat

A5

ADC5 - current sense or RSSI or pitot

TX2

UART2 for GPS or Serial RX

tx

rx

5v

3v

tx rx

I2C pads for external devices. 3.3V only!

SCL
SDA

GND

RX2

baro metal cap

TX | GND | RX

3v RX TX GND 5V

Serial RX:
Spektrum satellite or s.bus (inverter built-in)

PPM RC input

Signal | 5V | GND

Configure/Flash serial port

3V | RX | TX | GND

Note, 3V pin must NOT receive 5V. If using 5V USB>Serial Adapter, then connect to

RX | TX | GND | 5V
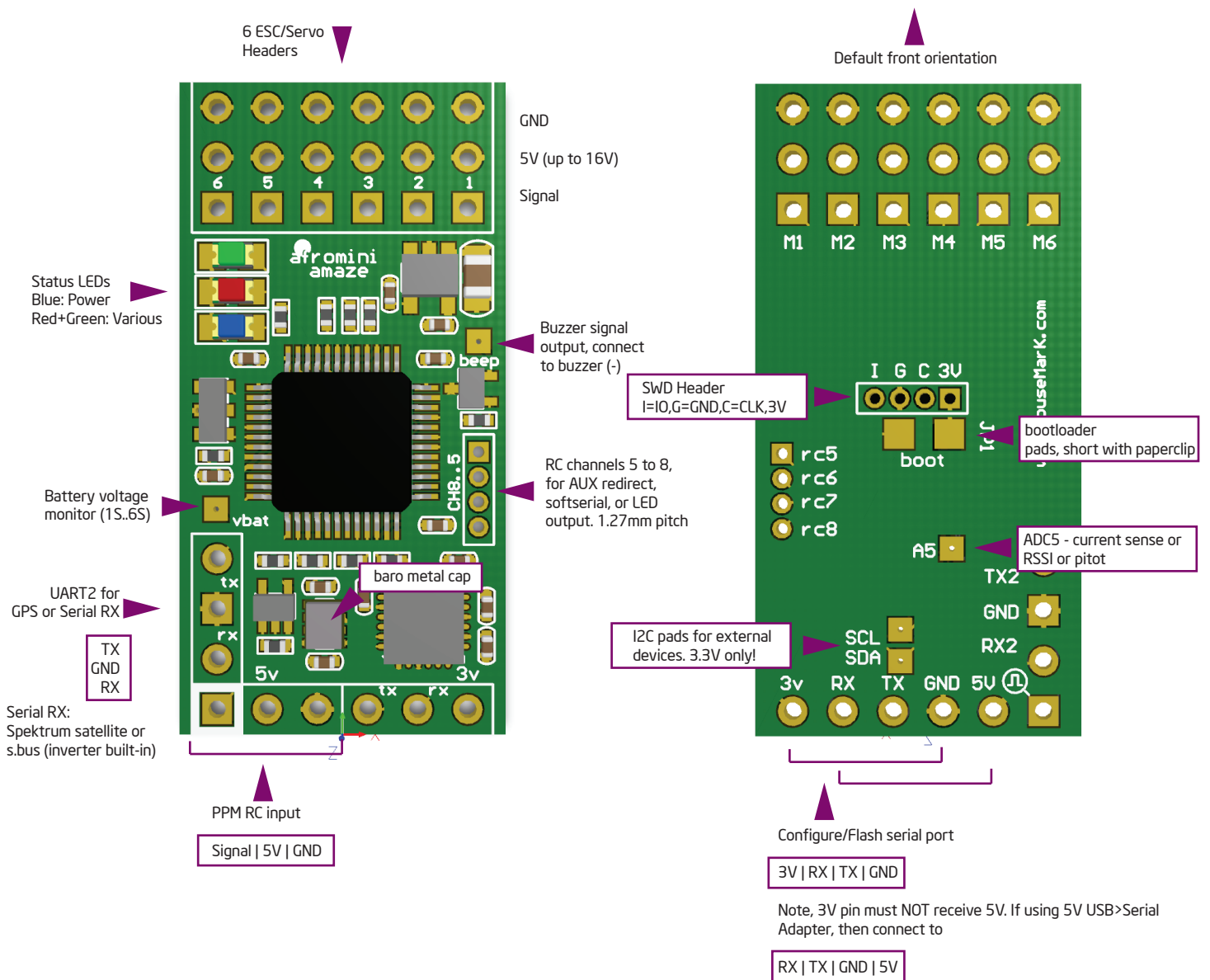
Board can be powered by ~3.3V up to 16V, when connected to pads marked "5V" or to the servo power pins. There is no 5V regulator, so high voltage will be passed to receiver as-is. 3V pad can be used to power Spektrum satellite or some other low-current 3.3V device up to ~100mA. To use buzzer, connect 5V to buzzer (+) pin, and connect the beep pad to buzzer (-) pin. To use battery voltage monitor, connect battery (+) to vbat pad. To make baro useful, cover it with some foam. When using Serial RX and choosing s.bus receiver, inverter will be enabled on RX2 pad.

The rest of configuration is the same as for Naze32.

This hardware cannot be used with any DJI frames.
This includes: FlameWheel 330, 450, 550, or any future or past frames released by DJI.

Using this hardware with anything other than supplied "baseflight" firmware will immediately make the end user ineligible for any kind of support or warranty.

# Designed May 2015 by AbuseMarK