



PX4IOAR – ARDrone Adapter Board

QUICK START – HARDWARE VERSION 1.2

Description

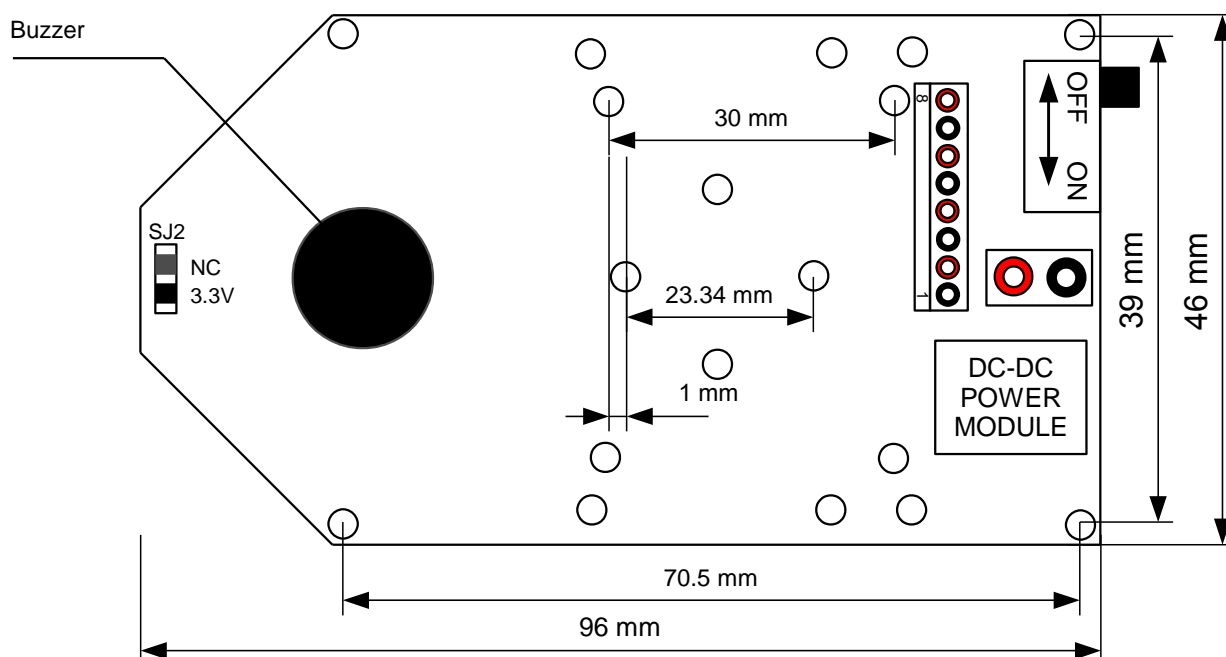
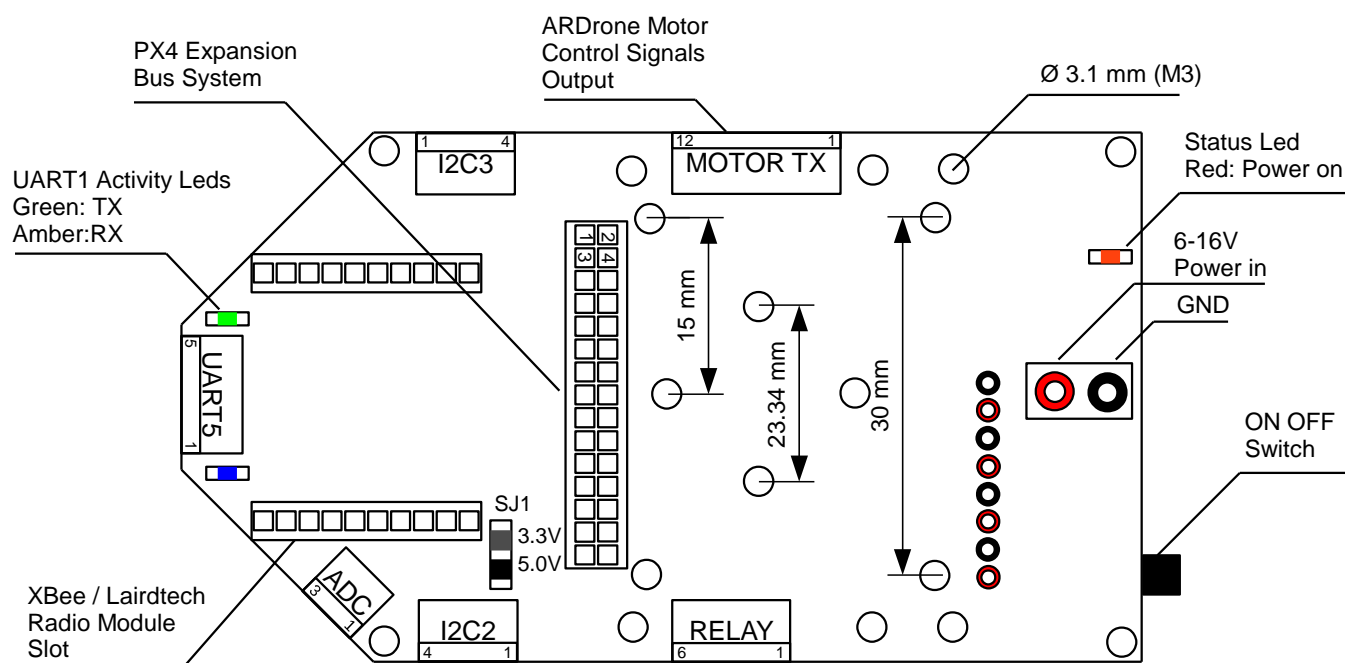
PX4IOAR is an electrical and mechanical adapter board for the PX4FMU flight management unit. It includes everything needed to put a PX4FMU on an ARDrone

<http://pixhawk.ethz.ch/px4/>

Features

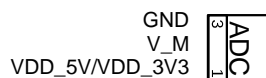
- 6-18V wide supply in
- ARDrone motor controller interface
- Reverse polarity protection on power inputs
- 2X I2C, UART, PPM, analog, 2x PWM / Servo
- PX4 Expansion bus (stacked on PX4FMU)
- 0-40 V, 1 A solid-state relay (MOSFET)
- 96 x 46 x 15 mm (3.78x1.81x0.59"), 22g, 96x39 mm mounting holes

Connectors, Jumpers and Dimensions

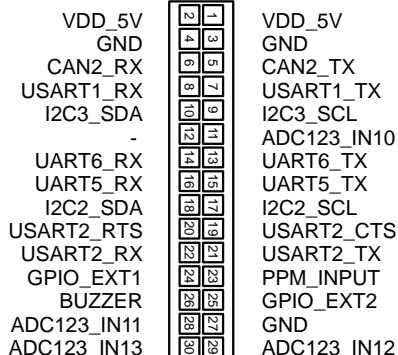


Pinout and absolute maximum Ratings

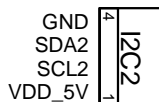
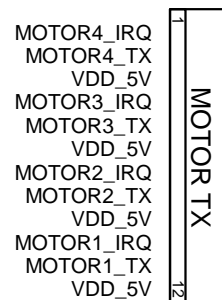
- Input: 6-16 V, max current:20 A
Reverse-polarity protected.
- Output: 3.3 V (VDD_3V3), limited
500 mA
- Output: 5 V (VDD_5V), limited
500 mA



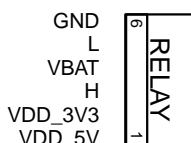
Mates 3 pos Hirose DF13 housings
Part # DF13-3S-1.25C
Crimp terminals
Part # DF13-2630SCF (for AWG 26-30 wire)



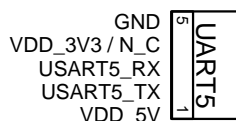
Mates 2 mm header: 3M "951230-2520-AR-PR"



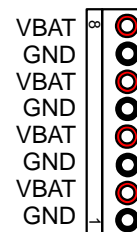
Mates 4 pos Hirose DF13 housings
Part # DF13-4S-1.25C
Crimp terminals
Part # DF13-2630SCF (for AWG 26-30 wire)



Mates 6 pos Hirose DF13 housings
Part # DF13-6S-1.25C
Crimp terminals
Part # DF13-2630SCF (for AWG 26-30 wire)



Mates 5 pos Hirose DF13 housings
Part # DF13-5S-1.25C
Crimp terminals
Part # DF13-2630SCF (for AWG 26-30 wire)



Assembly Instructions

Open Hardware License

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