Description

- Lynxmotion MES Power Distribution Board (PDB) for UAV
- Continuous current of 20A per motor (160A total for 8 motors)
- Pinout compatible with the Lynxmotion Quadrino Nano Drone/UAV Flight Controller (with GPS) (or with any multirotor system)
- Jumpers for BEC power management, battery monitoring and external device power selection
- Supports single or dual batteries setup
- On-board internally driven buzzer

The Lynxmotion MES Power Distribution Board (PDB) for UAV is a highly versatile system; its two PCB design (separate positive and negative power planes), 4oz copper thickness and two battery inputs, allows it to easily power up to 8 UAV motors with a continuous current capacity of 20 amps each (160A total) and a peak / instantaneous current capacity of 35A per motor (280A total). This PDB has also an onboard, internally driven buzzer and a pinout directly compatible with the Quadrino Nano Flight Controller with this wiring harness . When connected to the Quadrino Nano, the MES-PDB will allow the user to gain Audible and as an option Visual (if a LED is connected) feedback for Battery Monitoring as well as other MultiWii functions.

Note: Lynxmotion Quadrino Nano is not included.

Features

- Pinout compatible with the Lynxmotion Quadrino Nano Flight Controller, but can be used in any multirotor system
- Connect up to 8x motors using 3.5mm bullet connectors
- Positive and negative PCBs allow for high current
- Supports single or dual batteries setup
- Includes 1x XT60 to 3.5mm bullet connector battery cable adapter (additional cables sold separately).
- On-board internally driven buzzer
- Jumpers for battery elimination circuit (BEC) power management, battery monitoring and external device power selection
- Vin, GND and 5V pins broken out for the possibility of soldering an external 5V regulator

Specifications

- Continuous current of 20A per motor (160A total for 8 motors)
- Peak current of 35A (280A total for 8 motors) for several seconds
- Separate power PCBs : bottom PCB is connected to battery positive and top PCB is connected to battery negative
- 4oz copper thickness on both top and bottom PCBs
- 8 x 3.5mm male bullet connectors for ESCs positive leads + 2 x 3.5mm male bullet connectors for batteries positive leads
- 8 x 3.5mm female bullet connectors for ESCs negative leads + 2 x 3.5mm female bullet connectors for batteries negative leads
- On-board pre-amplified Buzzer : 5V 30mA 2.7kHz internally driven magnetic buzzer

What's Included

- 1 x MES-PDB assembled PCB
- 2 x Adhesive foam cover
- 1 x XT60 battery harness 150mm
- 10 x 3.5mm female bullet connectors
- 10 x 3.5mm male bullet connectors
- 20 x Shrink tube

Useful Links

Website

- Lynxmotion Website - Home

ZIP File

- Lynxmotion MES Power Distribution Board (PDB) for UAV - 3D Files

Wiki

- Lynxmotion Wiki - Home
- Lynxmotion Wiki - MES Power Distribution Board (PDB)

Dimensions