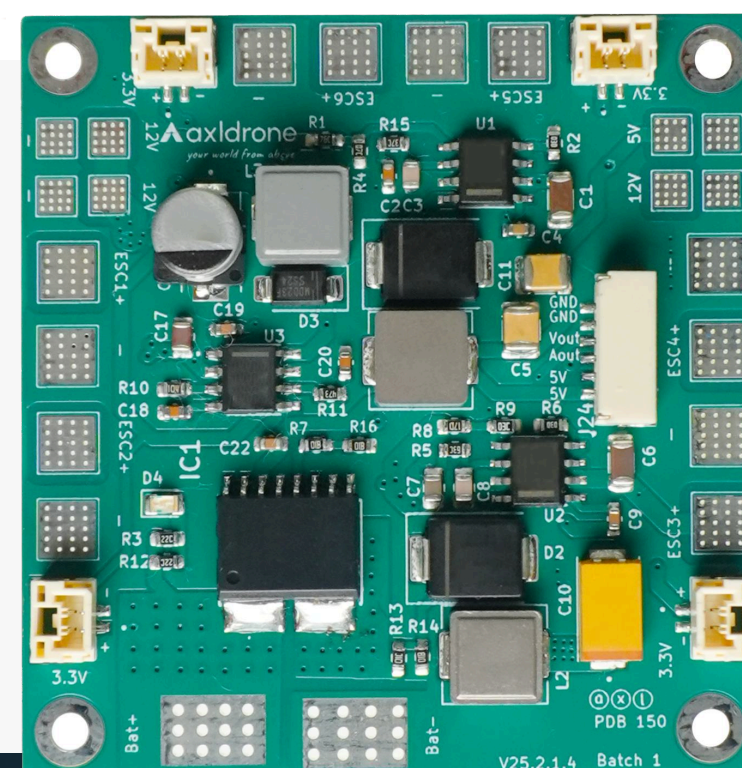


PDB 80A

A compact Power Distribution Board designed for reliable and efficient power management across drones, robotics, and other electric platforms



Features

- Handles up to 80A continuous current
- Available in two ESC connection variants: 6 pre-tinned ESC pads or 4 XT30 connectors with an integrated soft power switch
- Supports up to 6 ESC connections, making it suitable for both quadcopter and hexacopter configurations.
- Supports battery systems up to 6S (30V) for flexible integration across different platforms.
- Integrated current and voltage sensor provides real-time current & voltage telemetry
- Built-in regulated outputs provide convenient power for flight controllers, sensors, and onboard electronics.
- Compact, integration-friendly design with pre-tinned connection pads

Capabilities



80A current handling



Real-time power tracking



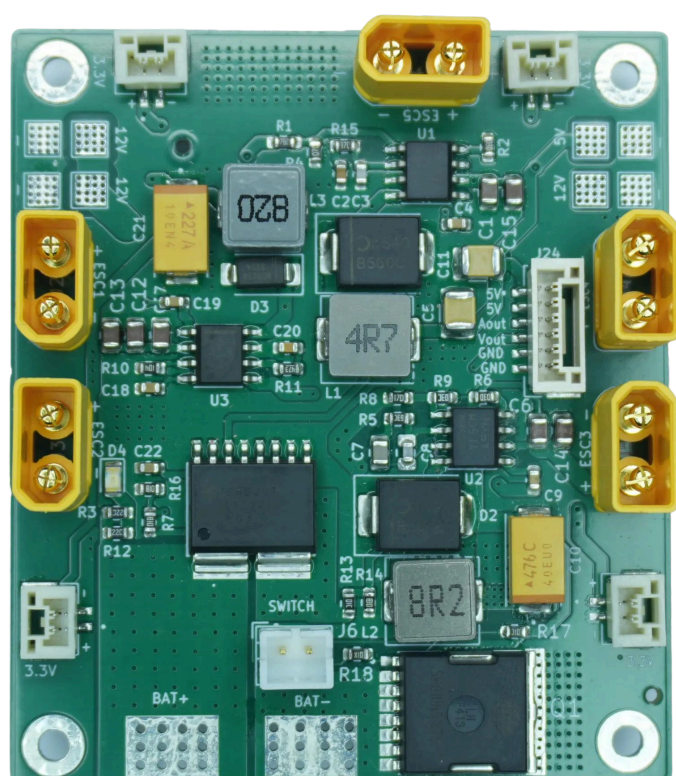
Clean system integration



Reliable onboard power management

Applications

- Quadcopters & Hexacopters
- Rovers
- Electric Skateboards
- Electric Cycles



Specifications

	PDB 80A	PDB 80A (With Connector)
Board dimensions	54 mm × 56 mm × 7.5 mm	62 mm x 54 mm x 11 mm
Mounting hole	M2.5 (four mounting holes)	M2.5 (four mounting holes)
Weight	18 g	25 g
PCB material	High-density FR4	High-density FR4
Input voltage	Up to 30 V (supports up to 6S LiPo)	Up to 30 V (supports up to 6S LiPo)
Maximum current handling	80A	80A
Output Channels	6	4
Current per output pad	40A Continuous (Max 50A)	30A Continuous (Max 40A)
Sensors	Integrated Hall-effect current sensor and voltage sensor	Integrated Hall-effect current sensor and voltage sensor
BEC output	5 V / 4 A, 12 V / 4 A, 3.3 V / 1.5 A	5 V / 4 A, 12 V / 4 A, 3.3 V / 1.5 A
Soft power switch	No	Yes
Connectors	JST 6-pin power connector (5V), 4 x 3.3 V connectors	JST 6-pin power connector (5V), 4 x 3.3 V connectors, 4 XT30



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