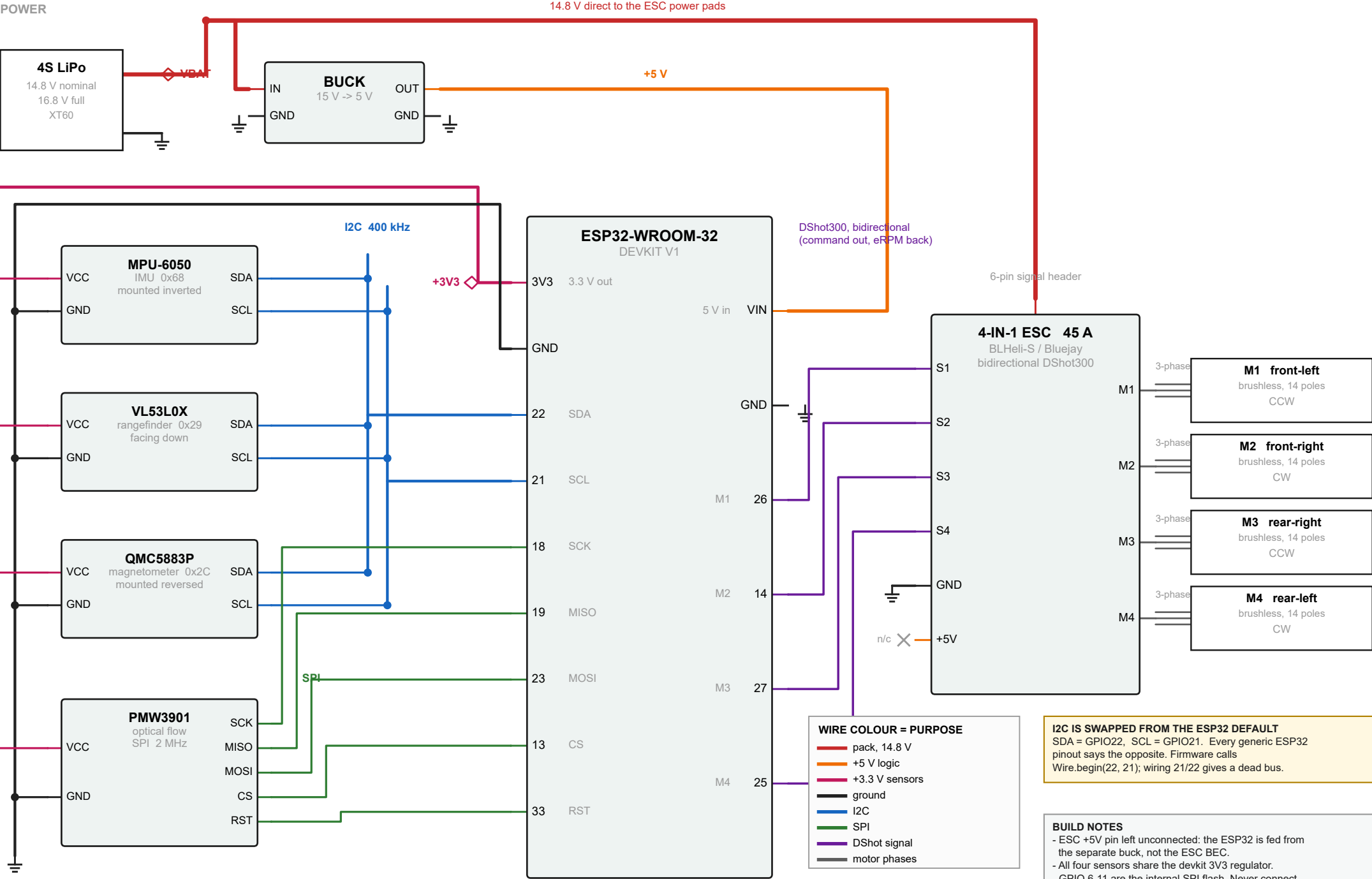


FPV 2026 - RECEIVER / FLIGHT CONTROLLER

ESP32-WROOM-32 devkit | pins per Receiver_RotorRate.ino | all grounds common

POWER



PROJECT	SHEET	SOURCE	DRAWN BY
FPV 2026 quadrotor	1 of 2 - receiver	Receiver_RotorRate.ino	make_wiring.py

I2C IS SWAPPED FROM THE ESP32 DEFAULT
SDA = GPIO22, SCL = GPIO21. Every generic ESP32 pinout says the opposite. Firmware calls Wire.begin(22, 21); wiring 21/22 gives a dead bus.

BUILD NOTES

- ESC +5V pin left unconnected: the ESP32 is fed from the separate buck, not the ESC BEC.
- All four sensors share the devkit 3V3 regulator.
- GPIO 6-11 are the internal SPI flash. Never connect.
- Free pins: 4, 16, 17, 32, 34, 35, 36, 39.