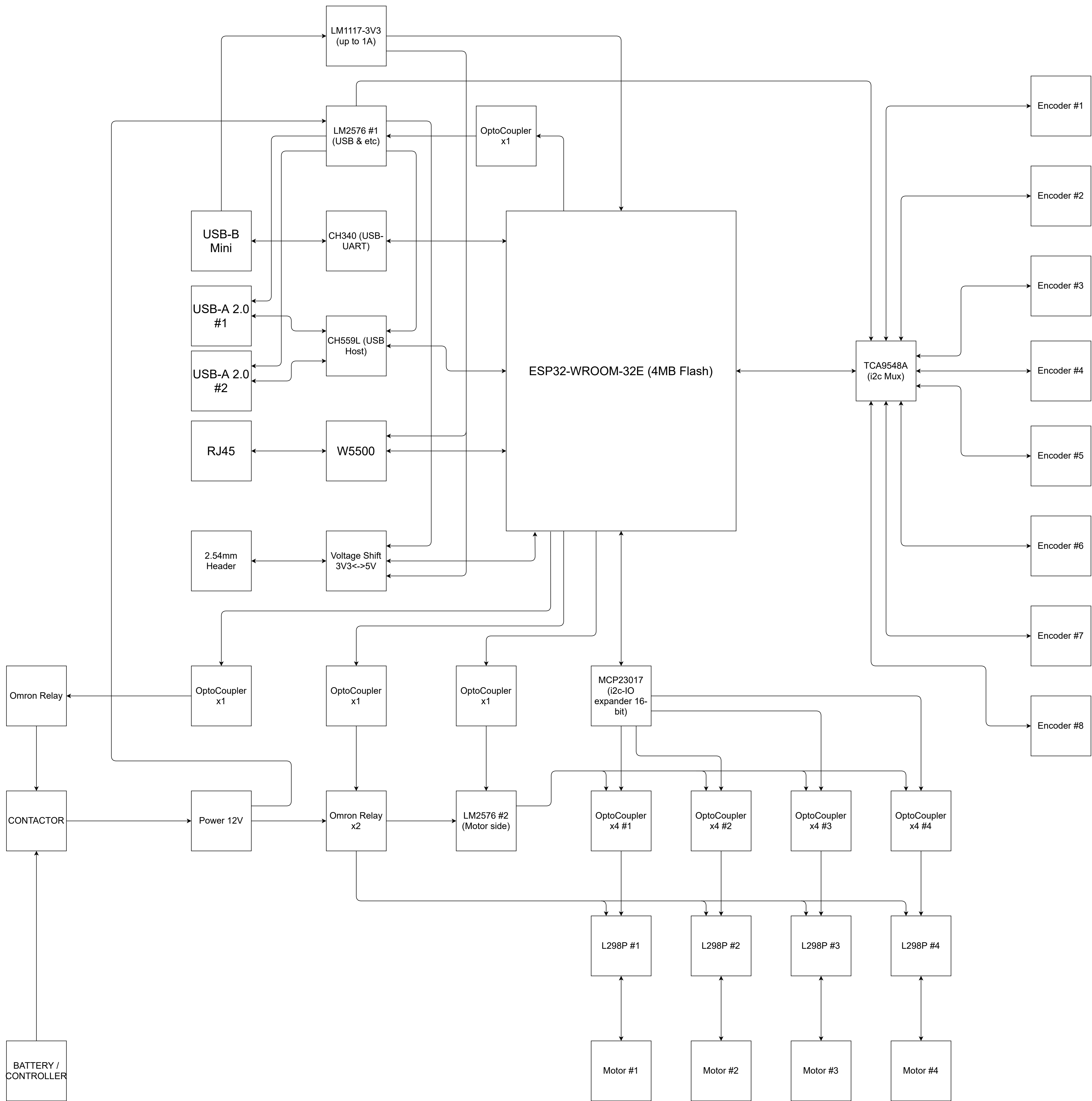


Gusev Tech ESP32-DCU-Rev1 Achitecture



DESIGN SPECIFICATIONS

1. Supports ONLY 12V input
2. ESP32 can be powered originally only via USB-B, power via 12V is possible if jumper applied
3. ESP32 and LV systems have separate ground GND_LV
4. HV systems have separate ground GND_HV
5. GND_LV and GND_HV can be connected via 0.05 ohm resistor of 1/10W to ensure it can be used as fuse
6. Powering Sequence: ESP32 (Type-C) -> 5V_LOW (on-board circuits that require 5V with digital signals) -> 5V_HIGH (on-board circuits that require high-power 5V) & 12V Main power to Motors