



WELCOME TO AML Automotive Mechatronics Lab

GRADUATION PROJECT

Inverter testing

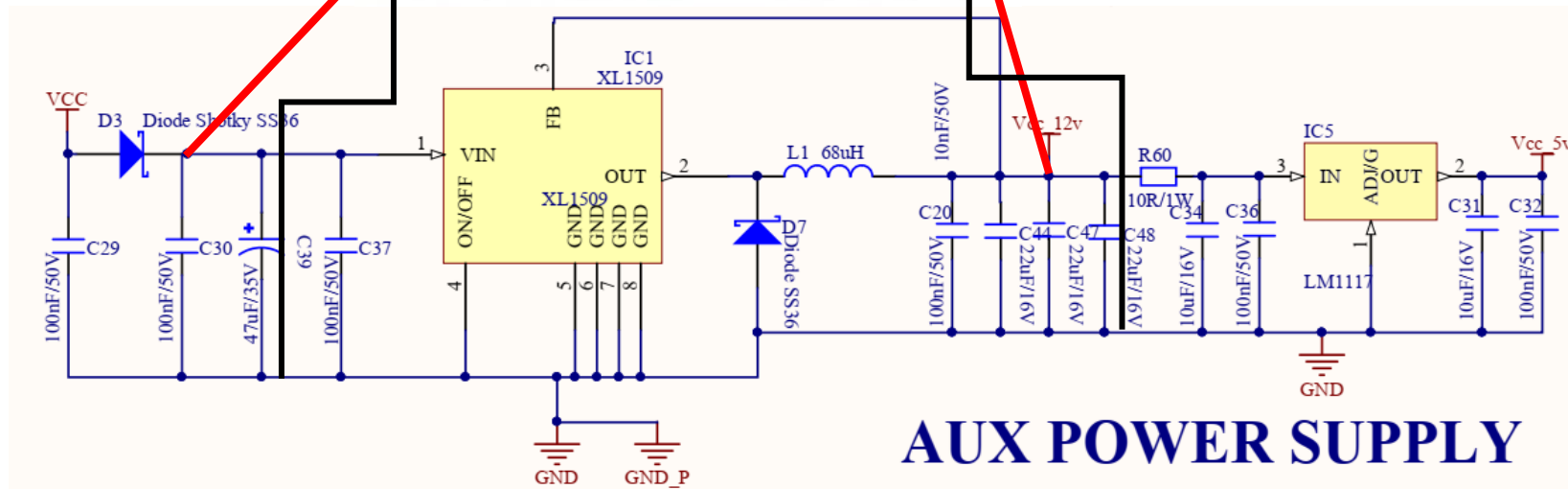
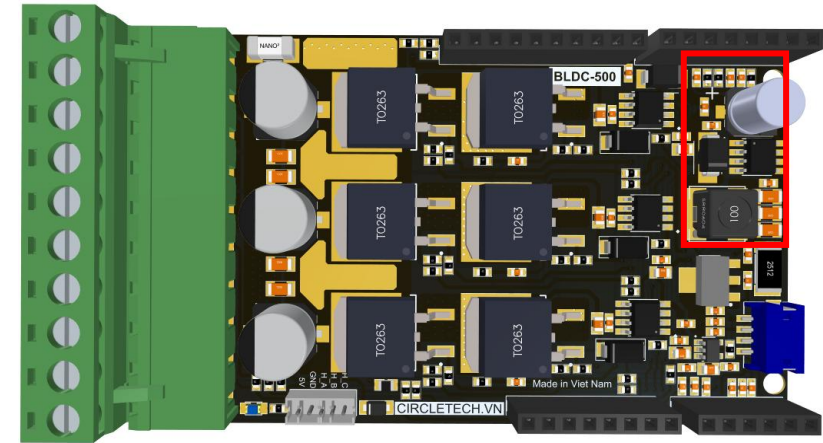
Presenter : NhanMH
TaiND



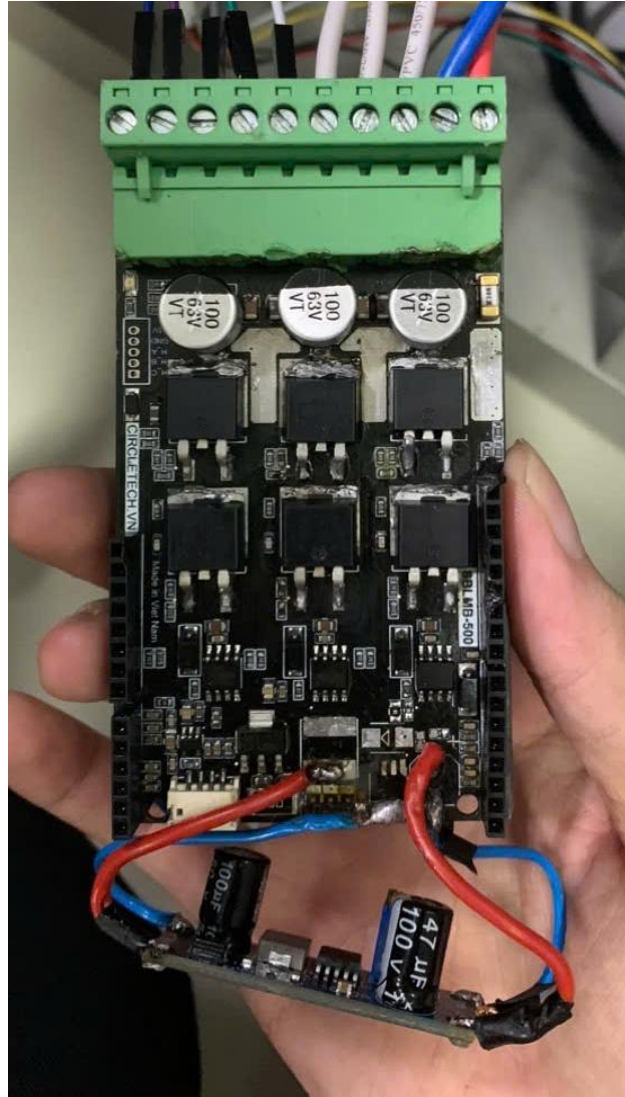
Outline

- AUX power supply schematic
- Replace AUX power supply
- Test result

AUX power supply schematic



Replace AUX power supply



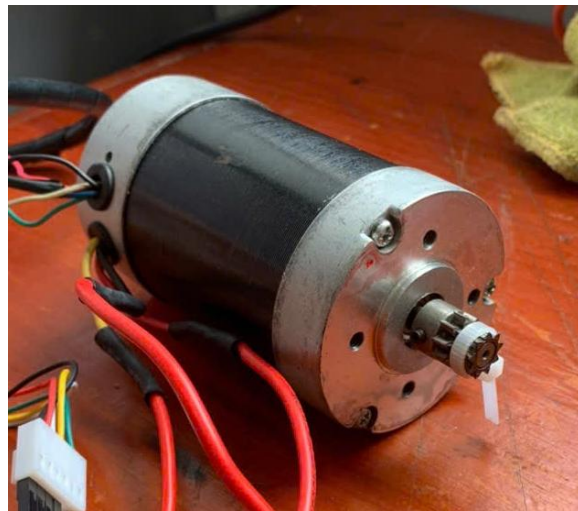
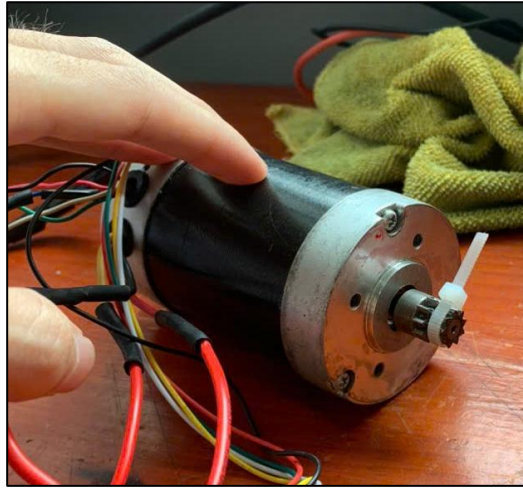
Test result

- Clockwise rotation, duty = 70%



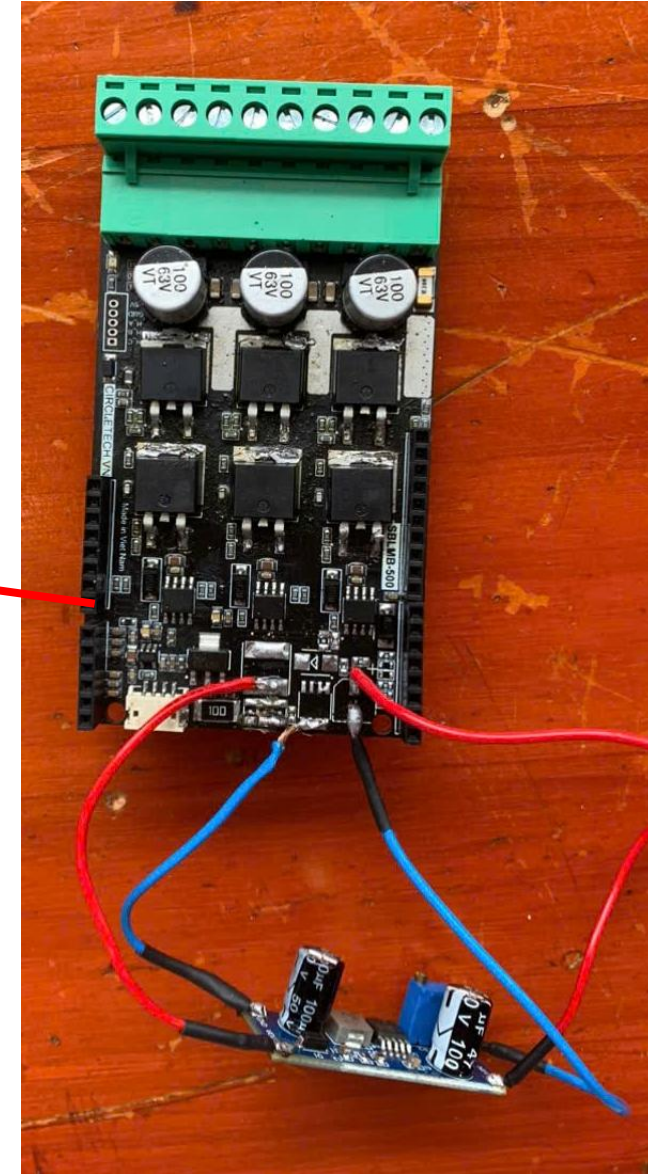
Test result

- At these rotor's angle, BLDC **can't start** although the current is ~ **6A**



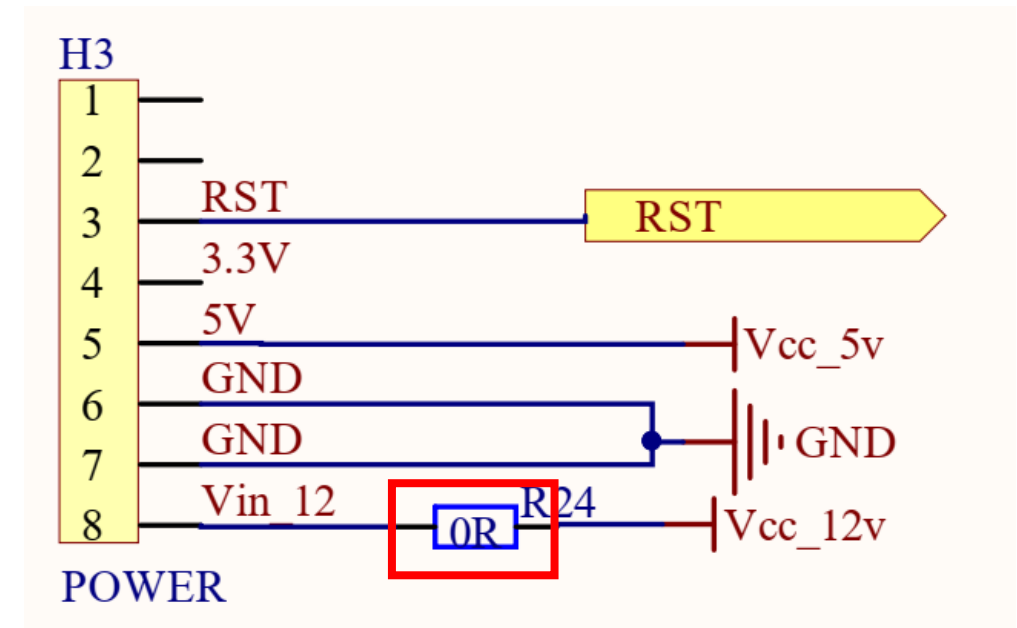
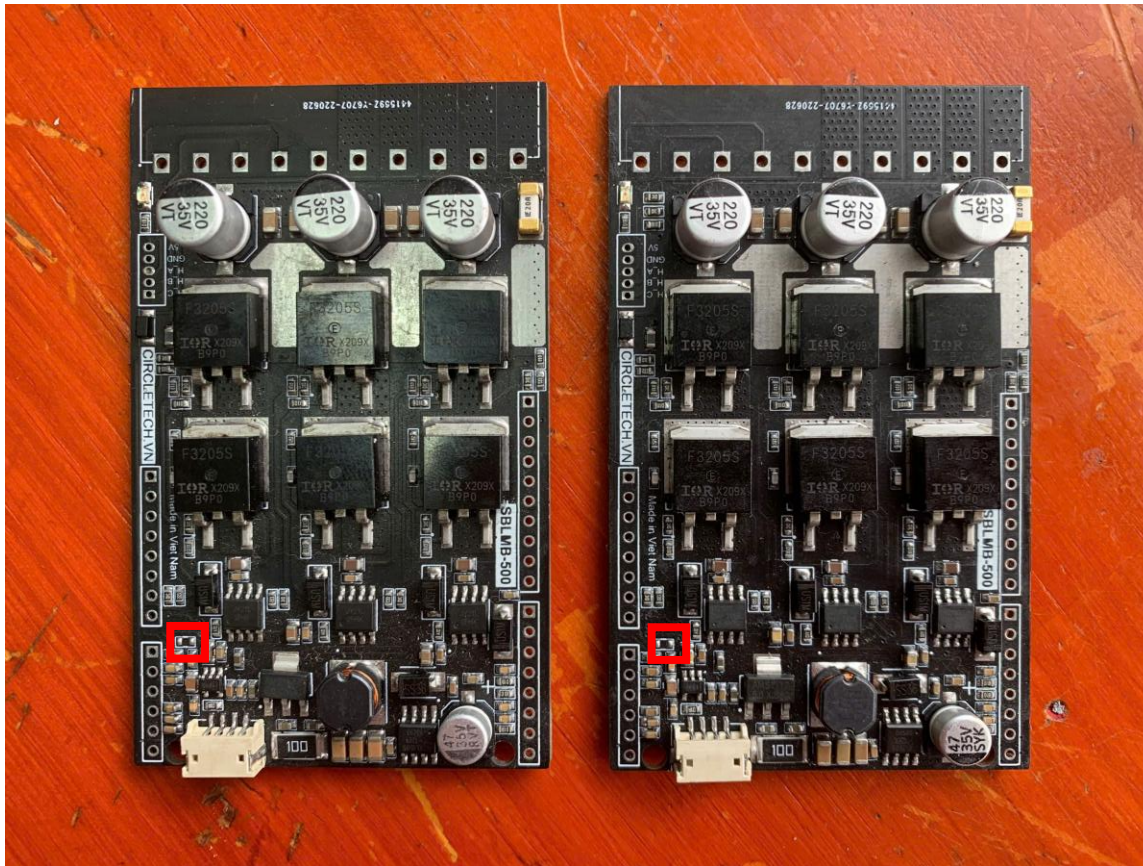
Test result

- 2nd inverter:
 - Can't run the motor
 - The power supply relay turns ON/OFF continuously.
 - 12V pin has **no** voltage



Test result

- Two inverters left are missing R0



Thank you

For your attention



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