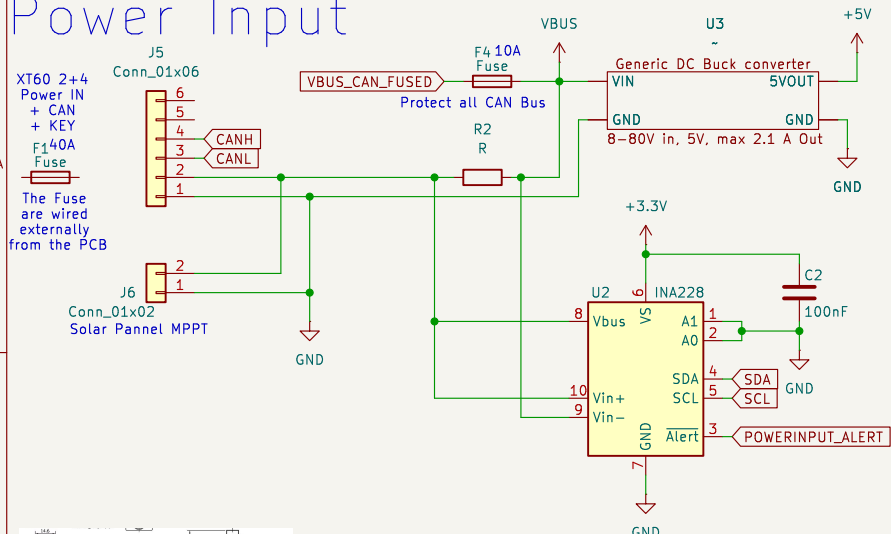
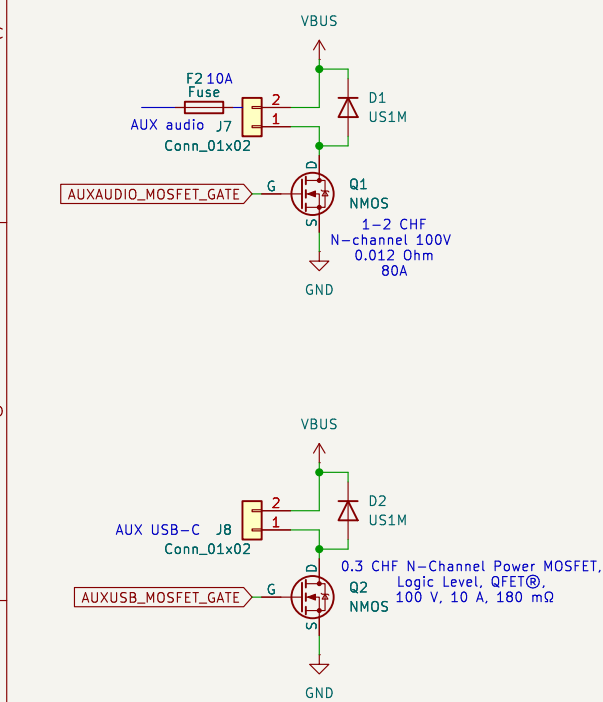


Power Input

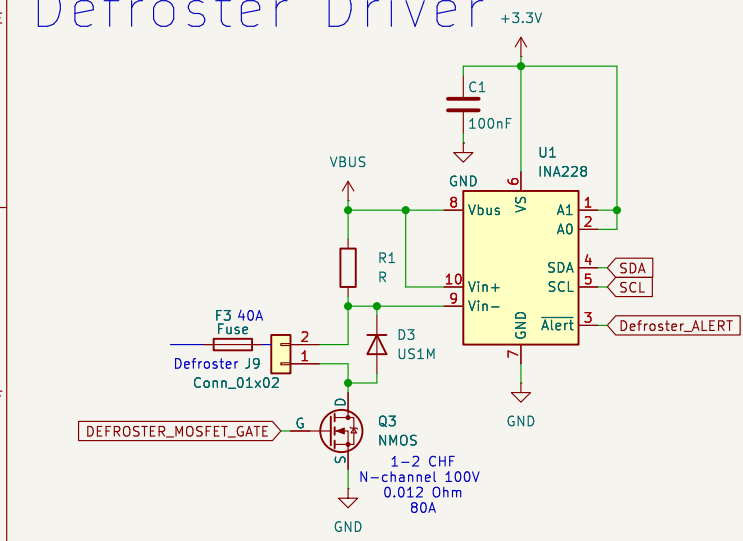


40A → 1000 W
→ Heater 600W (max 5 min)
→ Sono (max 300 W peak, 75 W continuous)
→ Phare (max 50W peak, 30 W continuous)
→ Seat + Hand heater (max 200 W, 75 W continuous)
Battery continuous 50 A, peak min 150 A → 1250W, 3750W
so even with motor full (1000 W → 40A) battery OK
full should not blow even with everything running (time delay, 150% = 1s)
If fault resulting in a short-circuit,
the fuse should blow in less than 15 seconds (OK for battery)

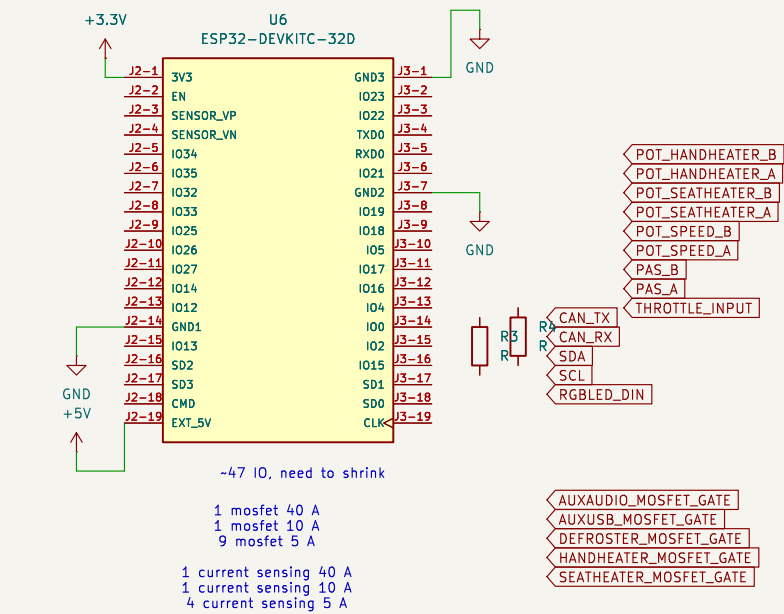
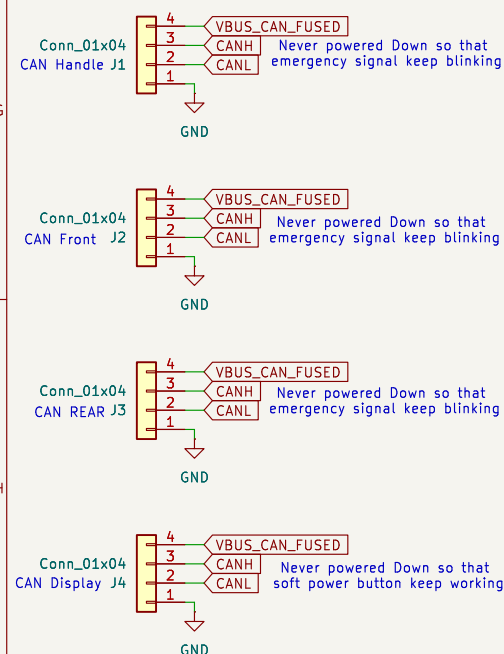
AUX Power distribution



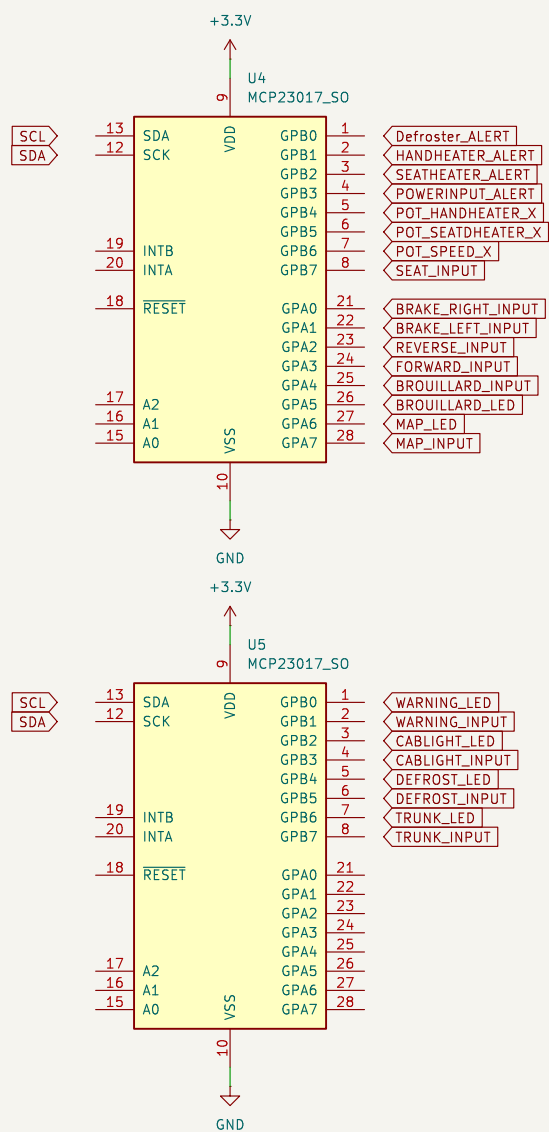
Defroster Driver



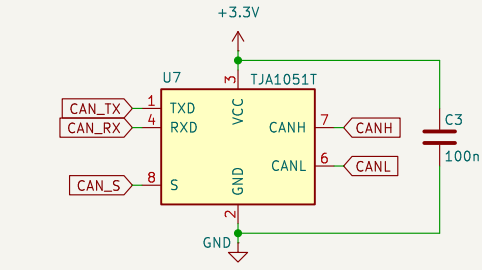
CAN BUS Power Rail



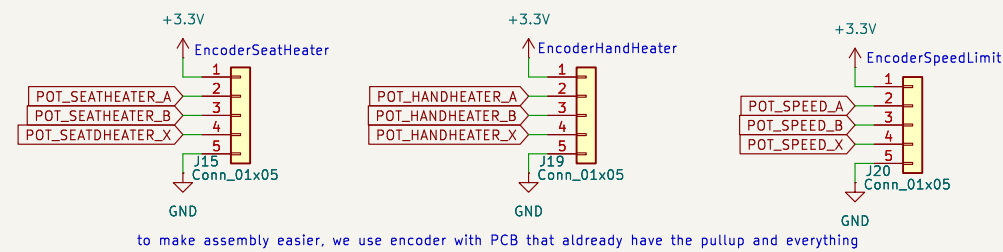
1 mosfet 40 A
1 mosfet 10 A
9 mosfet 5 A
9 IO for 3 rotary encoder (A/B + button)
2 IO for PAS
1 IO for Speed Input
1 IO brake sensor switch
1 IO seat sensor switch
1 IO trunk latch switch
5 IO LED
2 IO reverse selector
1 IO defrost button
1 IO cabin light button
1 IO warning button
1 IO brouillard button
1 IO WS2812



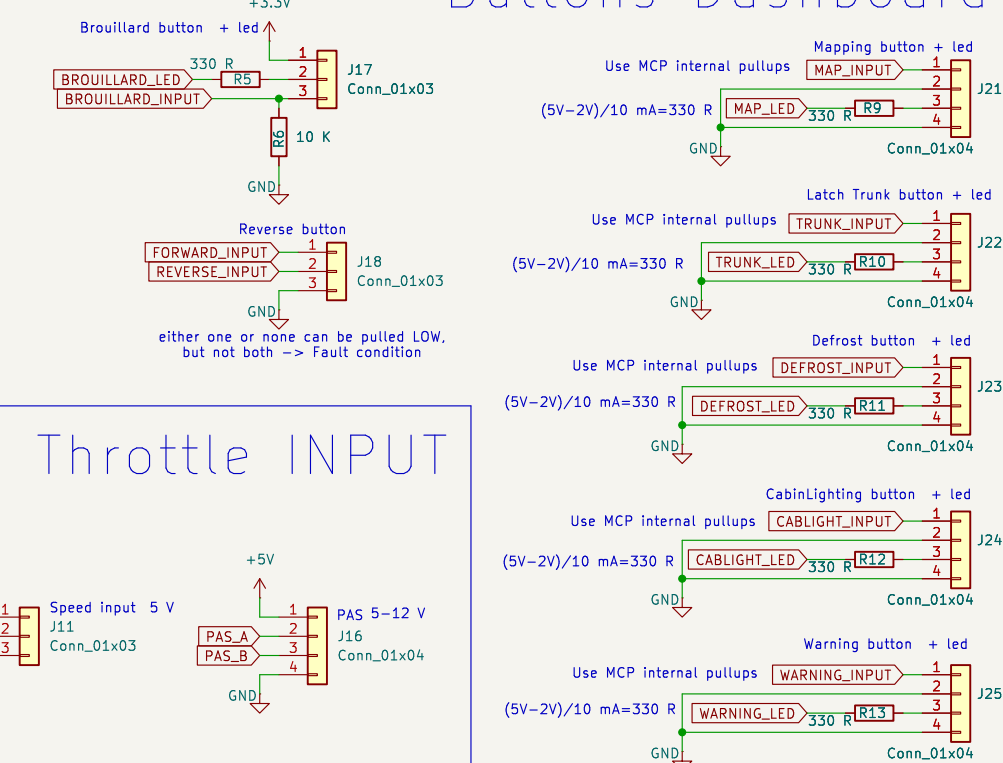
CAN Transceiver



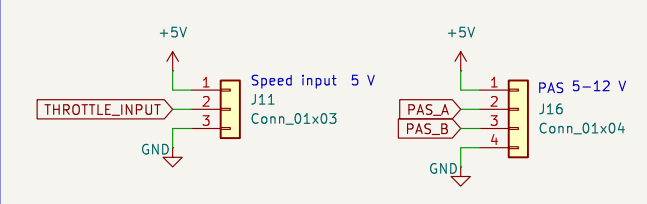
Rotary Encoder Dashboard



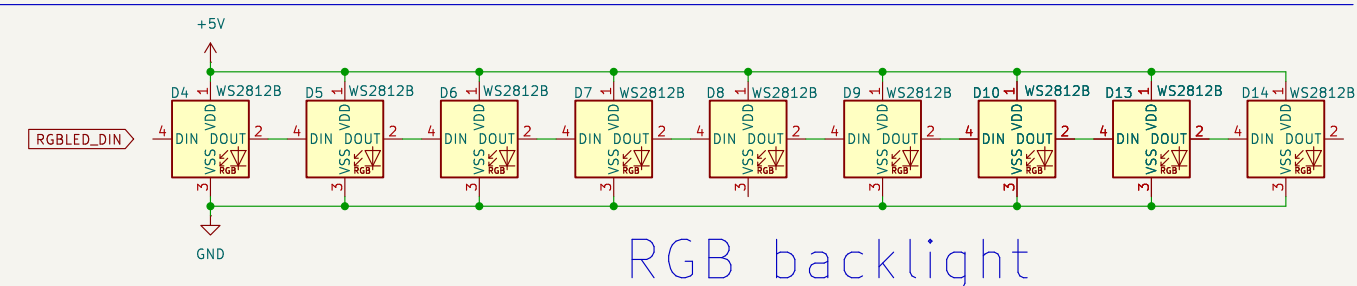
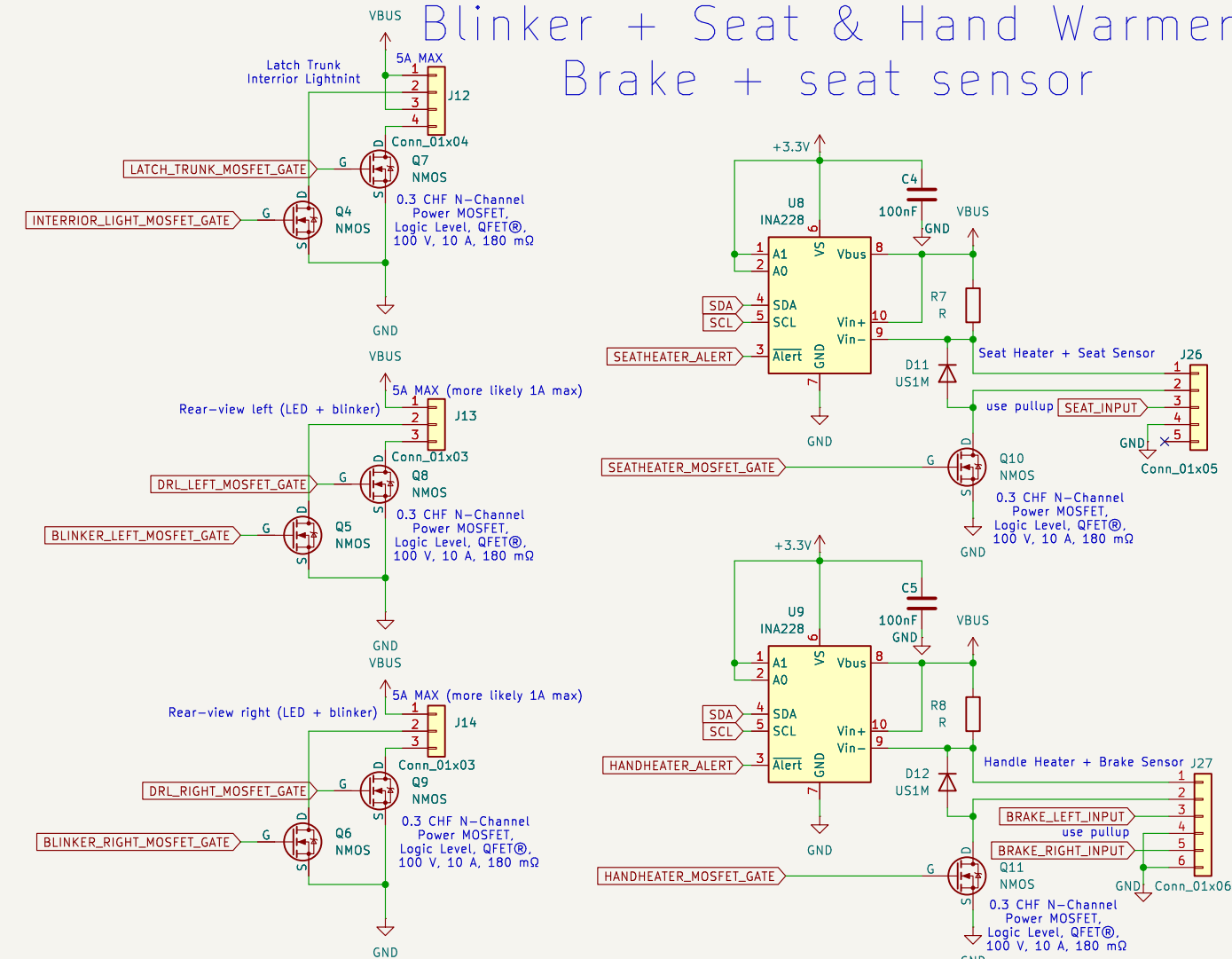
Buttons Dashboard



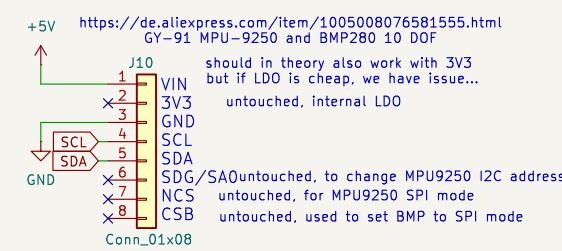
PAS + Throttle INPUT



Blinker + Seat & Hand Warmer Brake + seat sensor



IMU 10 DOF



Sheet: /
File: MainBoard.kicad_sch
Title:
Size: A2 Date:
Kicad E.D.A. 9.0.6 Rev:
Id: 1/1