



V0.0.2 – Removed 10k resistor between SJ5 and SIG_EMCYSTOP. Would have prevented ESTOP signal from going high with mini mainboard resistor divider circuit. Corrected mini mainboard symbol voltage on throttle input to 0–6.6v (V2 bottom right corner,) also corrected in notes.

V0.0.3 – L2 was (C1046) a 10uH 0805 but only 15ma. Changed to a Sunlord 4030 / 4.0mmx4.0mm inductor footprint.

V0.0.4 changes:

- Changed brake output / board address to Johu's tested circuit. Removed D12 & R1 from V0.0.3.
- moved vias away from 5v connector pads to help ease soldering.
- changed r13 from 3k3 to 1k2 to fit voltage range better for temp sensor.
- added a solder jumper on back from pin 26 to +12v for E–STOP if desired.
- R12 is a 4.70hm instead of 4.7K spec'd. Removed it & R5 per conversation w/ johu.
- STM32 boot issue – C13 was 1uF & R25 was 10k, the esp32 recommended boot delay values. Caused boot issues with the STM32. Swapped back to the 4k7 & .1uF boot delay setup used in the tesla V6 & V8 boards.
- Set a bunch of DNP items to DNP so we won't have to deselect components when ordering. C3, C4, etc.
- R3 & R9 were current sensor secondary signal trace resistor jumpers. Changed to solder jumpers for redundant trace enable option.
- Mounting holes corrected to 114mm x 90mm.
- R2 & R4 0R jumpers were removed and connected to ground (verified they are current sensor grounds.)
- J1 pos. 20 was connected to gnd on back of board.
- Added 3.3v to pos9 of the 40 pos. Nissan connector as an alternative throttle voltage if needed.
- Added a jumper to +12v on the back of the board to supply +12v to pin 26 if the jumper is soldered.

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Title: Gen 3 Nissan Leaf Mini Mainboard Adapter

Size: A4	Date: 2024–03–29	Rev: V0.0.4
KiCad E.D.A. kicad 7.0.8		Id: 2/2