



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:

- Swapped Zener D12 to resistor divider & added capacitor in parallel.
- 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. Needs to be 4.7K. Removed it.
- 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.
- Changed brake output / board address to Johu’s tested circuit. Removed zener.
- Set a bunch of DNP items to DNP so hopefully 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.
- Mounting holes corrected to 114mm x 90mm.
- R2 & R4 were removed and connected to ground (current sensor grounds.)
- Removed R12. Had the wrong value but was unnecessary.

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