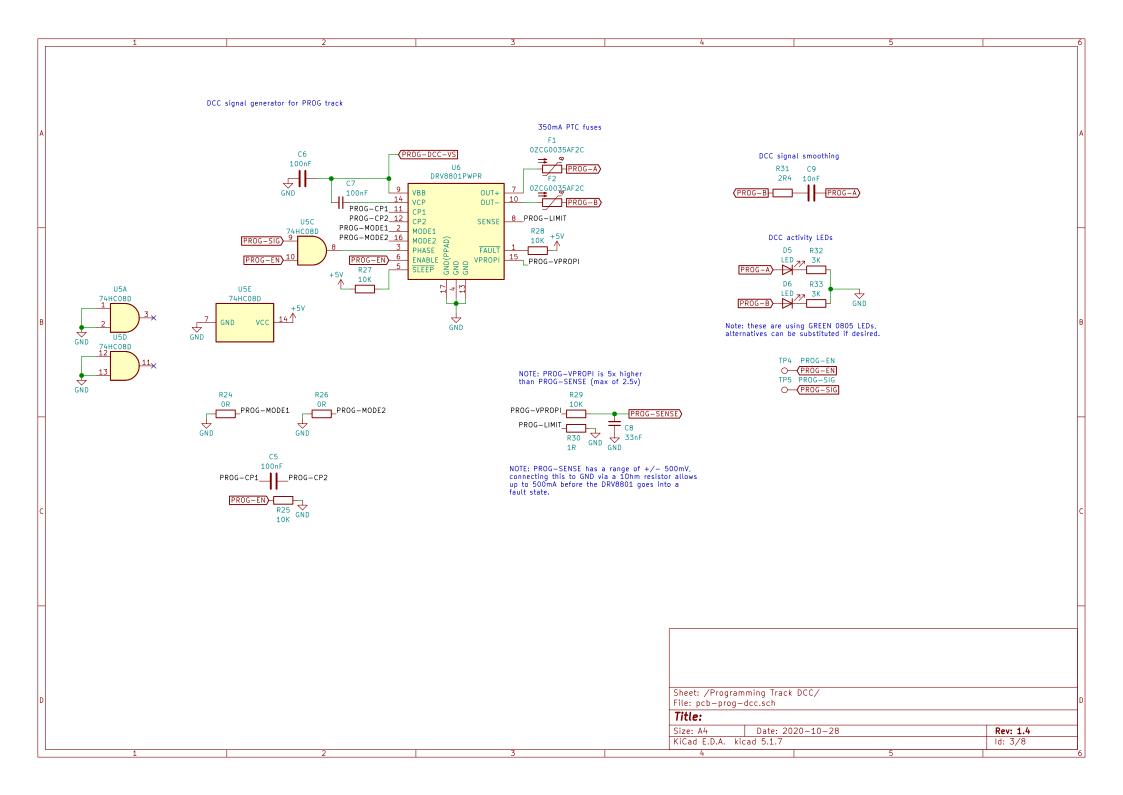
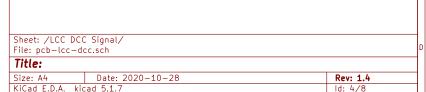


KiCad E.D.A. kicad 5.1.7

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## LCC DCC Signal based on the OPS track signal +12V R35 R38 R41 350mA PTC Fuses +12V 10K C10 LCC-MODE1 LCC-MODE2 100nF F3 U7 GŇD D7 B5819W 0ZCG0035AF2C GND DRV8801PWPR GND GND C11 100nF OPS-LCC-A OUT+ By having both MODE1 and MODE2 shorted to GND this forces fast decay of the outputs. OUT-LCC-CP1 11 CP1 LCC-CP2 12 U5B 74HC08D CP2 SENSE LCC-MODE1 2 MODE1 R36 0ZCG0035AF2C LCC-MODE2 16 MODE2 PHASE ENABLE SLEEP OND OND 1R 10K D8 B5819W FAULT C12 VPROPI 15 X OPS-EN) 100nF R34 LCC-CP1\_\_LCC-CP2 DCC activity LEDs NOTE: SENSE has a range of +/- 500mV, connecting this to GND via a 10hm resistor allows up to 500mA before the DRV8801 goes into a fault state. D9 R39 GND LED 77 3K D10 R40 OPS-LCC-B) GND Note: these are using GREEN 0805 LEDs, alternatives can be substituted if desired. RailCom FET Bridge for LCC Booster Feedback Q9A IRF7351TRPBF OPS-LCC-A-RAILCOM RAILCOM-GATE-EN OPS-LCC-B-RAILCOM



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