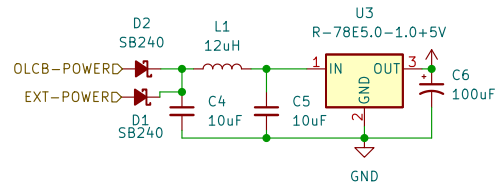


The Status Display connection is for adding an OLED or LCD display to the Command Station. The display shows real-time statistics and status information about the Command Station.

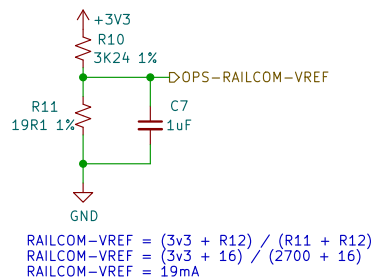
Note: OLED-RESET will be pulsed LOW for approximately 50ms during startup to allow a connected OLED display to reset.

Sheet: /		
File: cs-v2.0-THT.kicad_sch		
Title: ESP32 Command Station with OpenLCB (LCC) and RailCom		
Size: A4	Date: 2022-10-10	Rev: 2.0
KiCad E.D.A. kicad 6.0.4		Id: 1/7

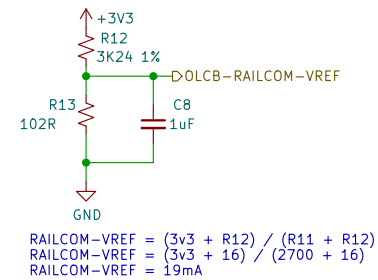
5V 1A voltage regulator



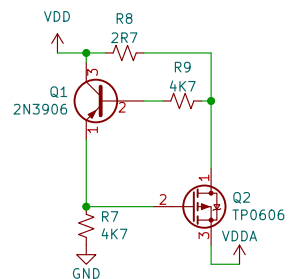
OPS RailCom Reference Voltage



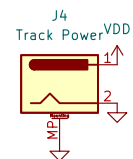
OpenLCB RailCom Reference Voltage



PROG/LCC-DCC Supply



Note: This limits the current to ~250mA.
To increase the current 2R7 can be adjusted.
Or a jumper can be added between the 2N3906
pin 3 to TP0606 pin 3 and all five components
can be omitted to disable current limiting.



Sheet: /Power/
File: power.kicad_sch

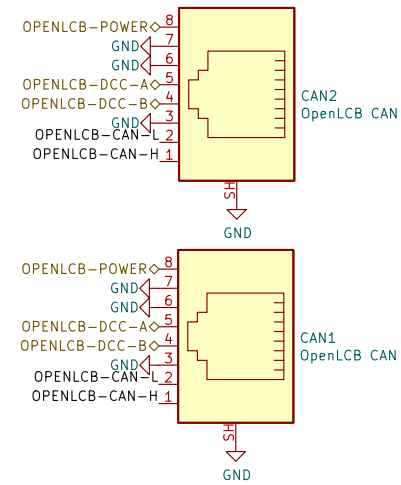
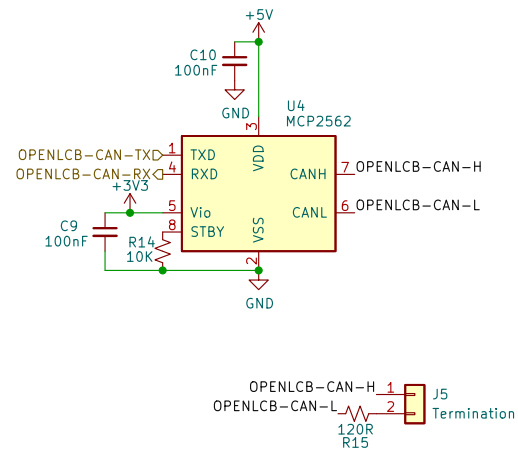
Title: ESP32 Command Station with OpenLCB (LCC) and RailCom

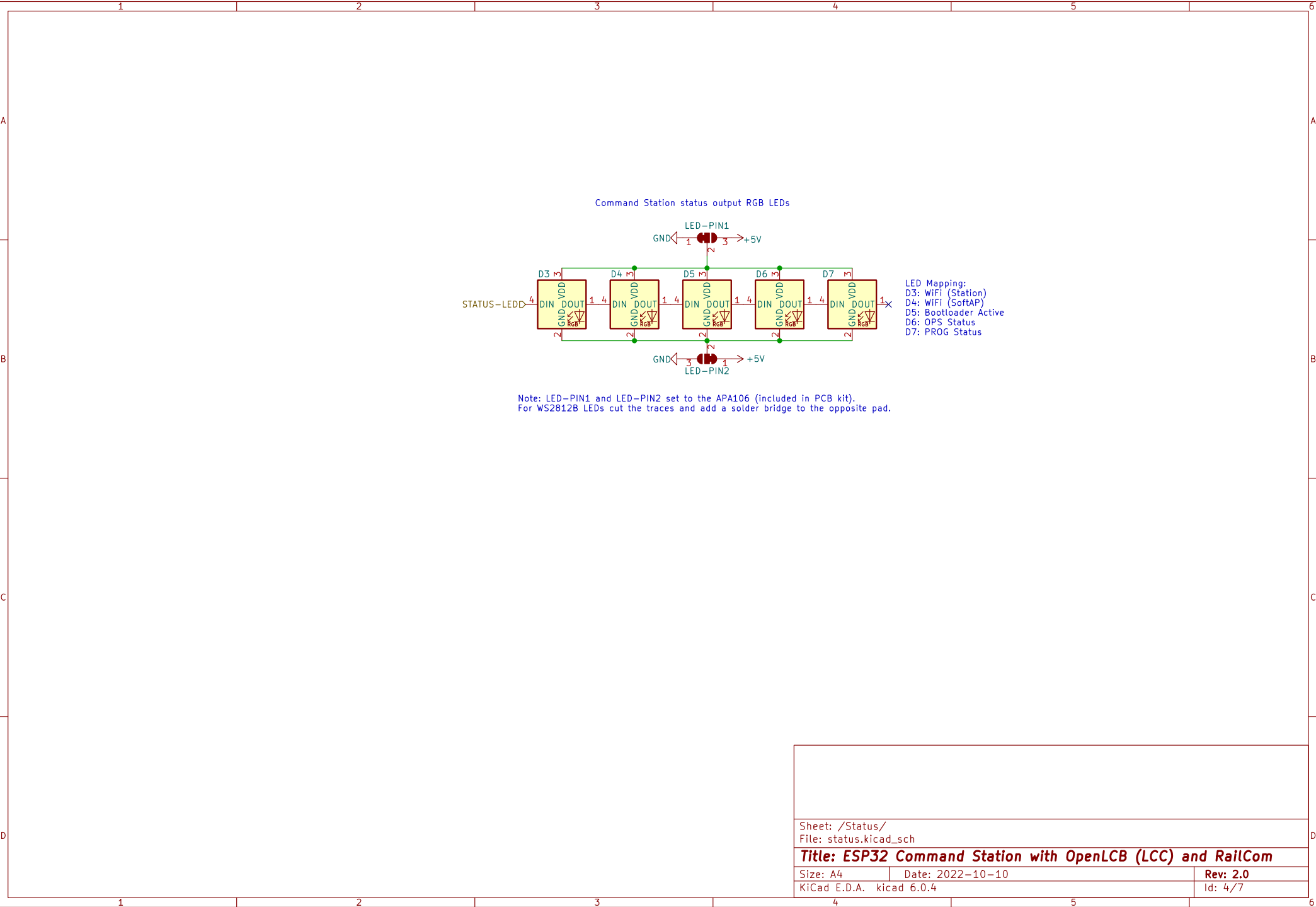
Size: A4 Date: 2022-10-10

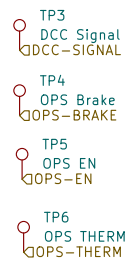
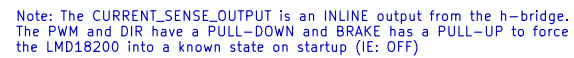
KiCad E.D.A. kicad 6.0.4

Rev: 2.0

Id: 2/7







Sheet: /OPS DCC/		D
File: opsdcc.kicad_sch		
Title: ESP32 Command Station with OpenLCB (LCC) and RailCom		
Size: A4	Date: 2022-10-10	
KiCad E.D.A. kicad 6.0.4		Rev: 2.0
		Id: 6/7

