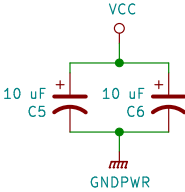
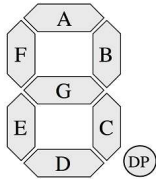


The LED Strips are wired in a Common Anode (CA) configurations. All of the anodes for each segment of each digit are bundled together and have a molex plug on the end, shared with one other digit's CA wires. The plugs will plug into J2 and J3.

The control box has a 2m long, 10-conductor cable with a molex connector on the end coming out and it can plug into a molex terminal on the frame of the display. Internally, there is a short 10-conductor wire with another molex plug on the end. It leads from the frame connector and will plug into the board's molex terminal (flat right angle 039532-1010).

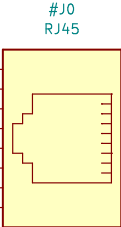


Using SMD 3528 LED Strips. The segments are 15 LEDs long for the vertical segments and 12 LEDs long for the horizontals. Each LED draws about 0.08 watts, so the vertical segments pull about 0.1A and and the horizontal segments pull about 0.08A (12V). The entire board draws 2.56A. My Power supplies are rated for 1.5A, so I use two. The TPIC Shift Registers are rated at 350mA per output.

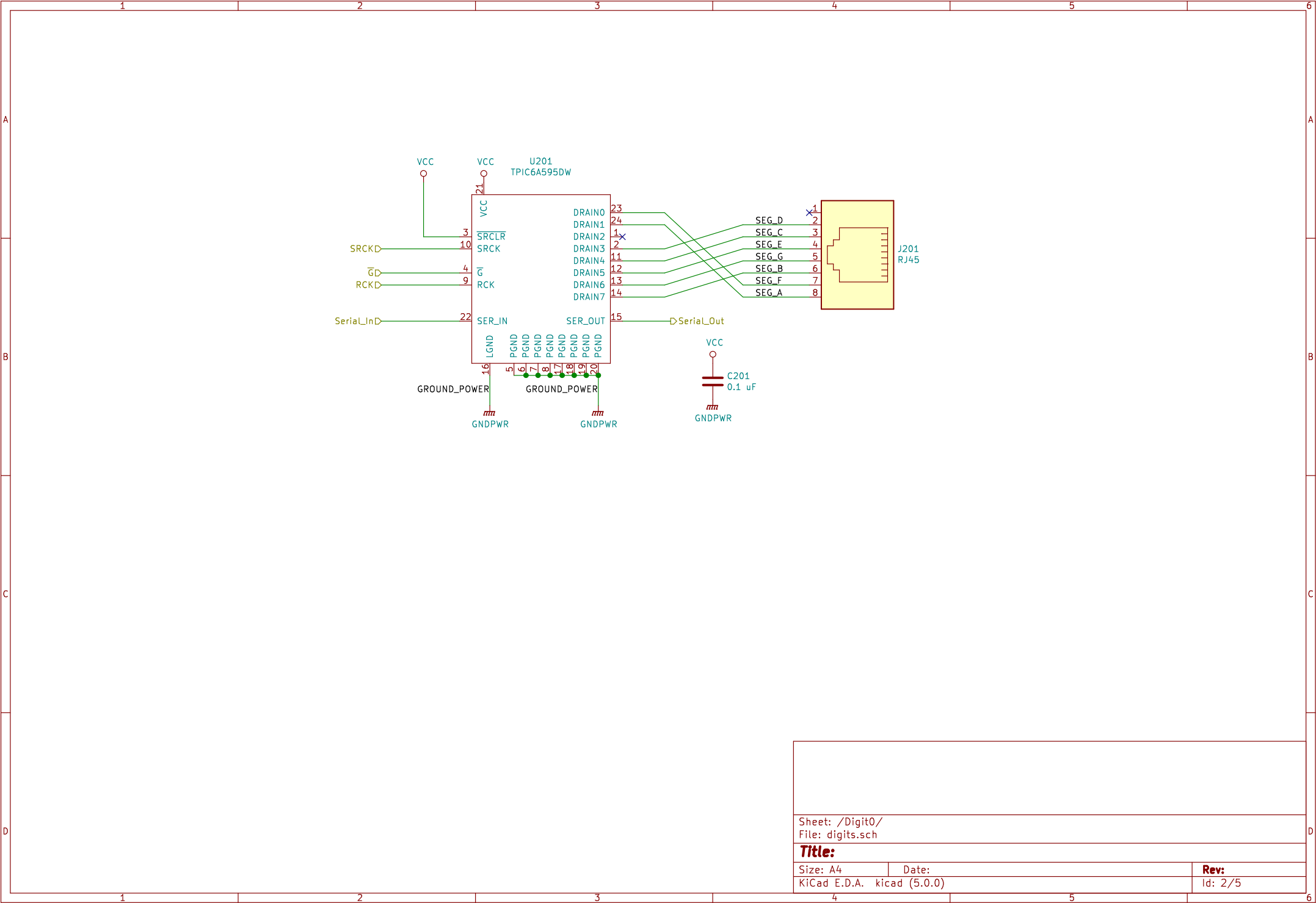


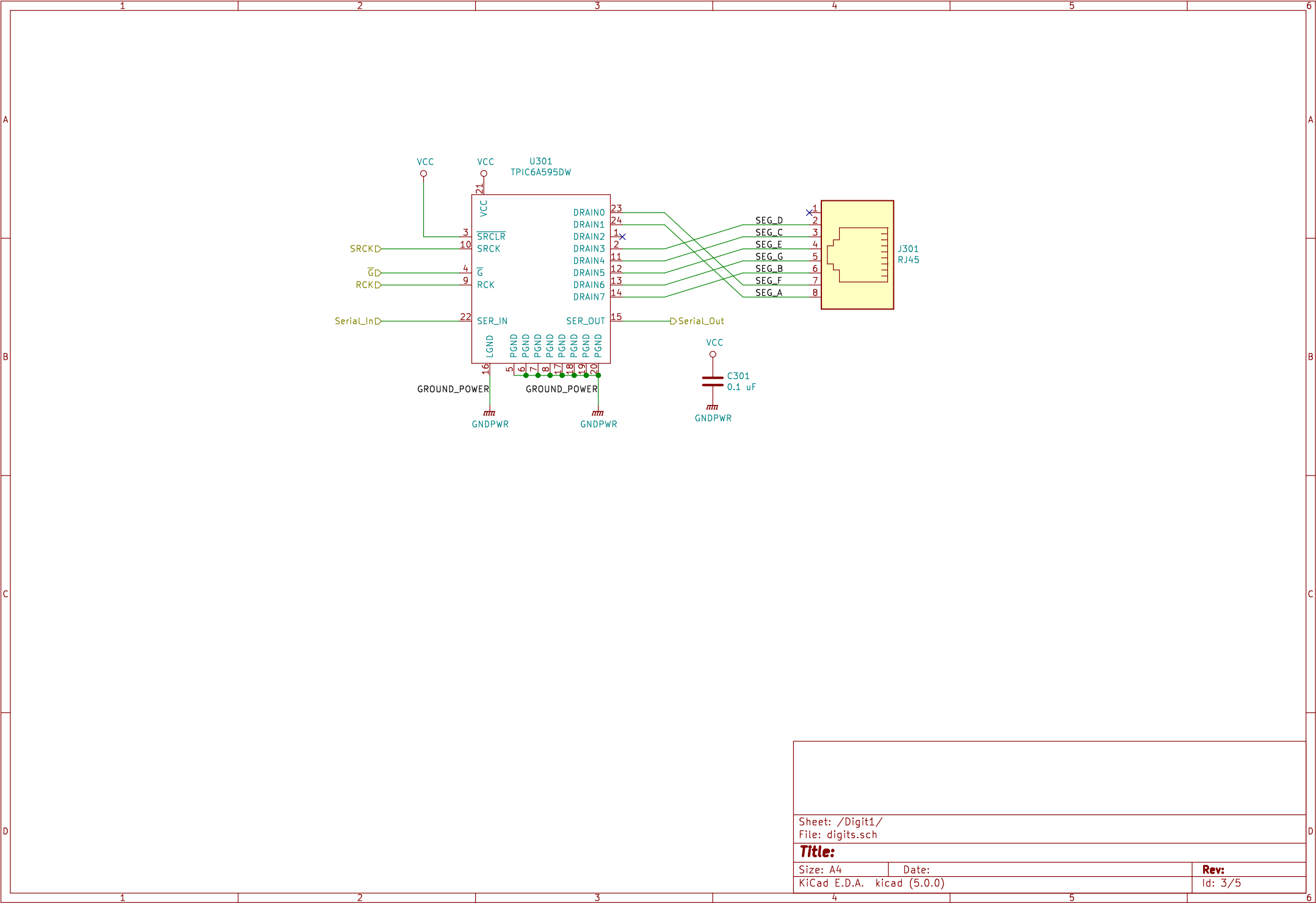
A: Green, RJ45 Pin 8, Drain 1  
B: Brown, RJ45 Pin 6, Drain 7  
C: Lt. Orange, RJ45 Pin 3, Drain 4  
D: Blue, RJ45 Pin 2, Drain 3  
E: Orange, RJ45 Pin 4, Drain 5  
F: Lt. Green, RJ45 Pin 7, Drain 0  
G: Lt. Brown, RJ45 Pin 5, Drain 6  
Unused: Lt. Blue, RJ45 Pin 1, Drain 2

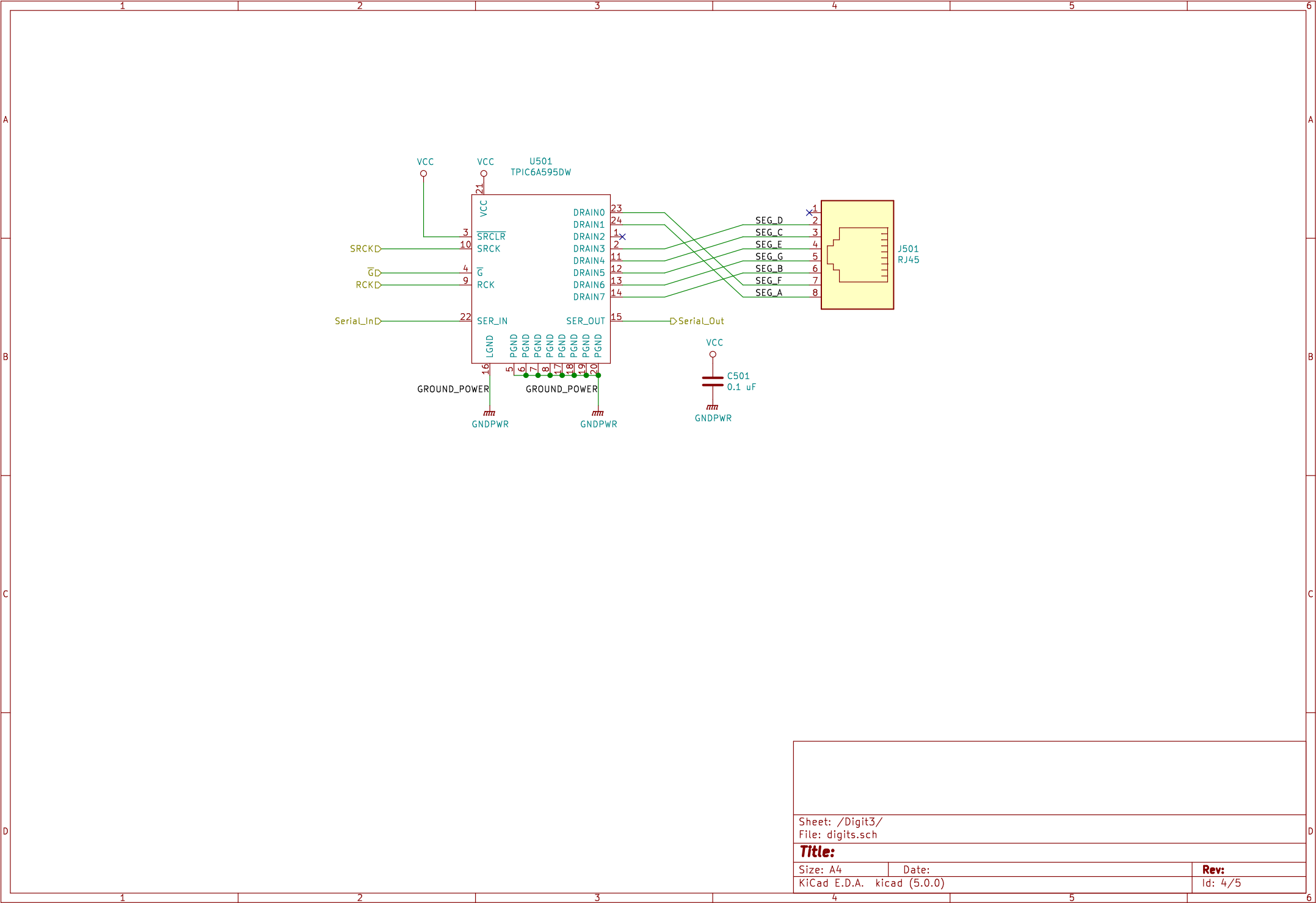
Lt. Blue  
Blue  
Lt. Orange  
Orange  
Lt. Brown  
Brown  
Lt. Green  
Green



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