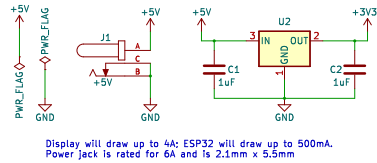


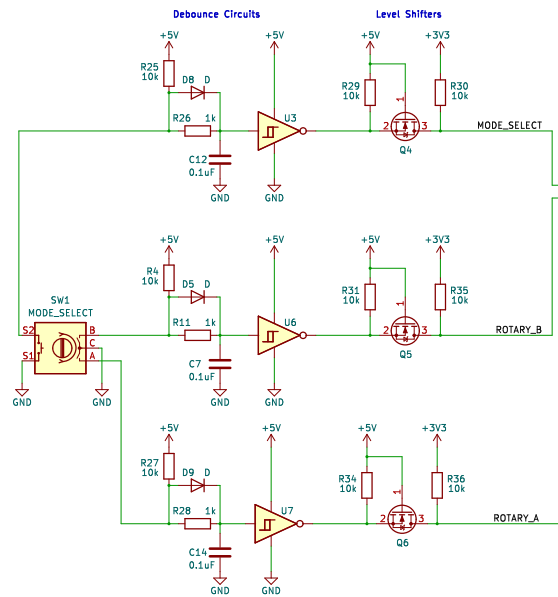
SPOTIFY LED MATRIX

Project by Austin Driggs | Fall 2023

POWER INPUT AND REGULATOR

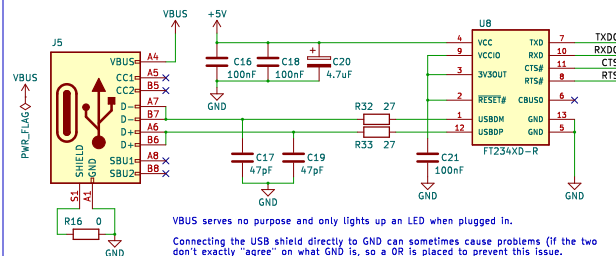


ROTARY ENCODER CONTROLLER

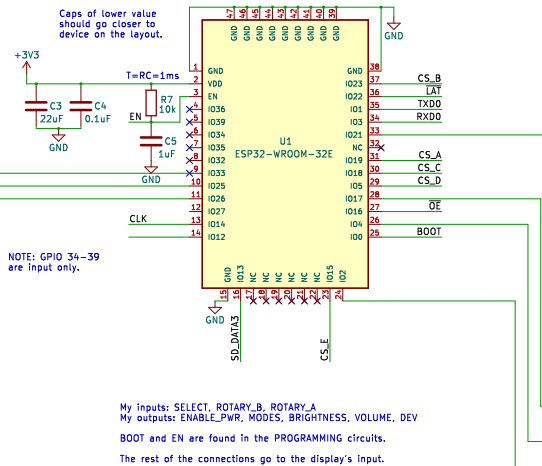


All outputs on the rotary encoder are connected to +5V (high).
When turning the encoder or pressing the switch, it pulls them to ground (low).
When the rotary encoder is pulled low, the schmitt trigger's output goes high.
When the schmitt trigger output goes high, it is then level shifted down to +3V3 so that the ESP32's digital input pins can handle it.

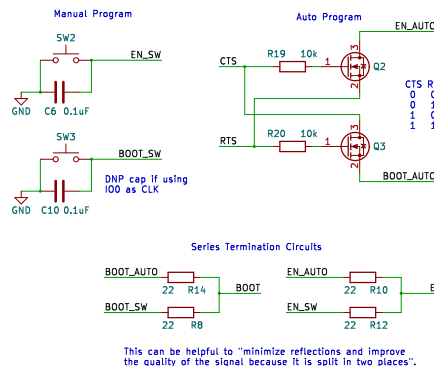
USB TO UART



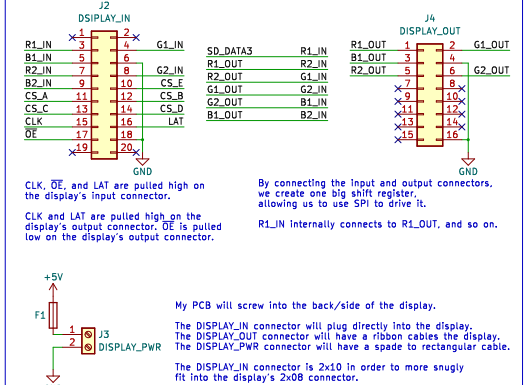
ESP32 MODULE



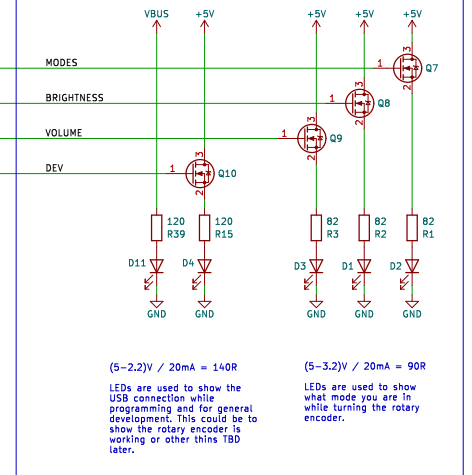
PROGRAMMING



DISPLAY CONNECTORS



LEDS



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