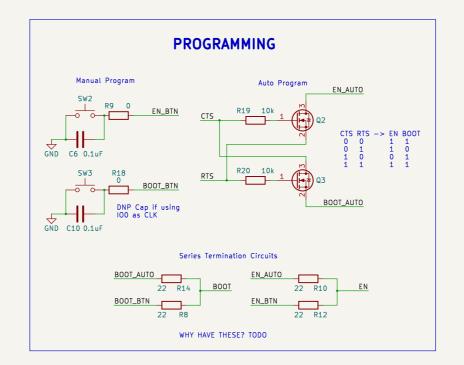
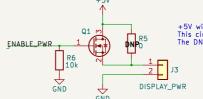


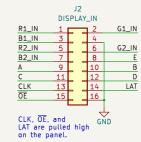
ESP32 MODULE ENABLE_PWR MODES BRIGHTNESS VOLUME Caps of HIGHER/LOWER value should go closer to device. C3 C4 0.1uF TXD0 RXD0 CS_A CS_C CS_D ESP32-WROOM-32E 1018 30 ŌĒ 1016 CLK BOOT GND 1013 NC NC NC NC NC NC ROTARY_B ROTARY_A



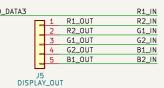
DISPLAY CONNECTORS



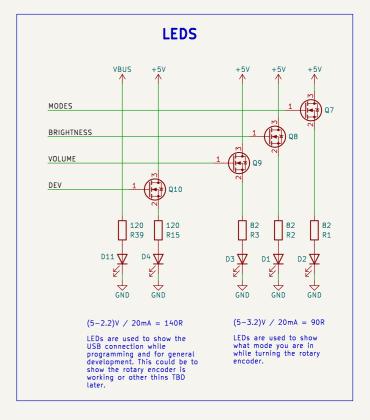
+5V will going to the display will carry up to 4A.
This circuit is to keep the display off (the ESP32 is always on) until ready.
The DNP OR is in case I don't want this circuit (it has to be capable of handling 4A).



By connecting the input and output connectors, we create one big shift register, allowing us to use ${\sf SPI}$ to drive it.



R1_IN internally connects to R1_OUT, and so on.



TODO

Size: KiCad

Determine pull up and pull down resistors on pins

Verify connector for MY display is correct

Sheet Determine how PCB will connect to display (what cables needed)
File:

Title Can I actually change the brightness of the display and the volume of spotify?