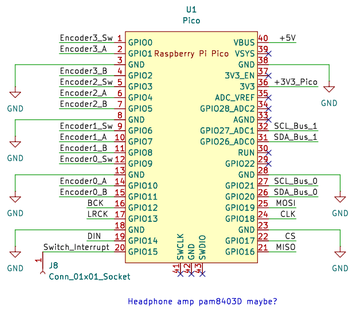
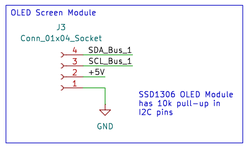
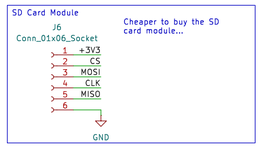


DAC Module Connectors

OLED Screen Module

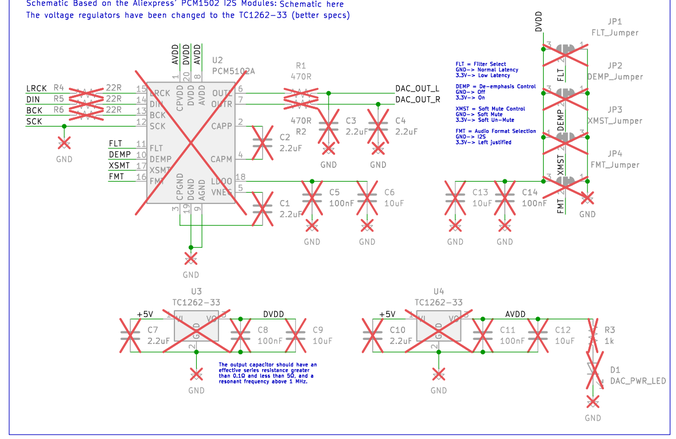


SD Card Module

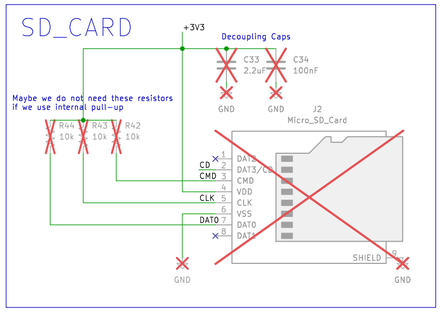


DAC

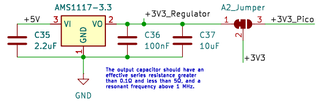
Digital to Analog Converter - Max: 32bit @ 384kHz
Schematic Based on the Aliexpress' PCM1502 I2S Modules: Schematic here
The voltage regulators have been changed to the TC1262-33 (better specs)

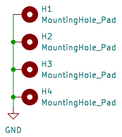


SD_CARD



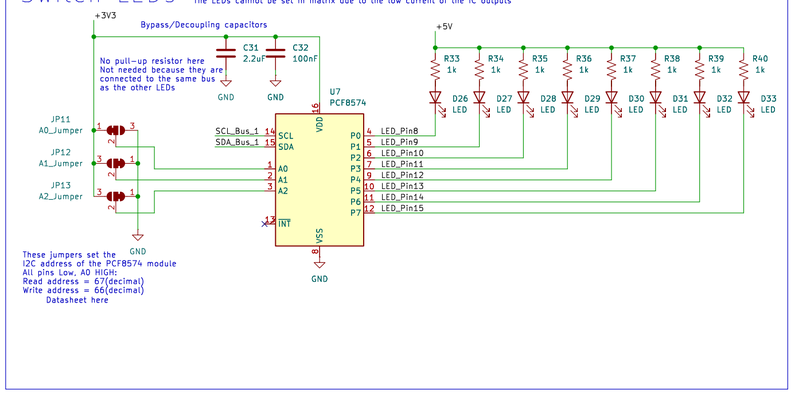
Power





Switch LEDs

Why use the PCF8574(8out) instead of the PCF8575(16out) or another alternative?
Because they are very common = very cheap from china
The LEDs cannot be set in matrix due to the low current of the IC outputs



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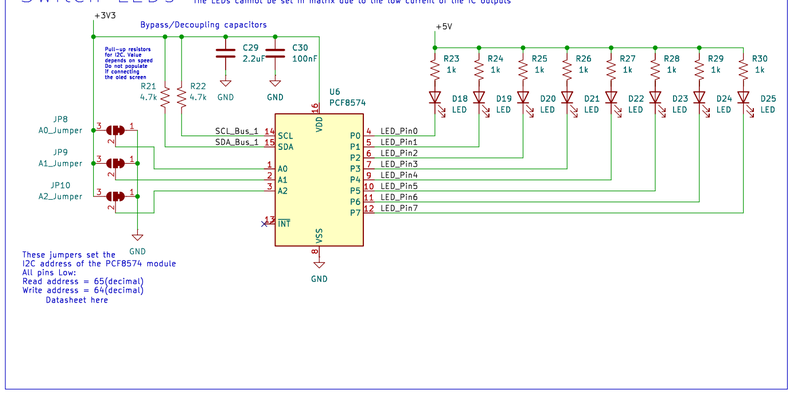
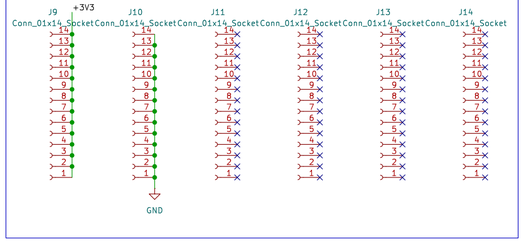
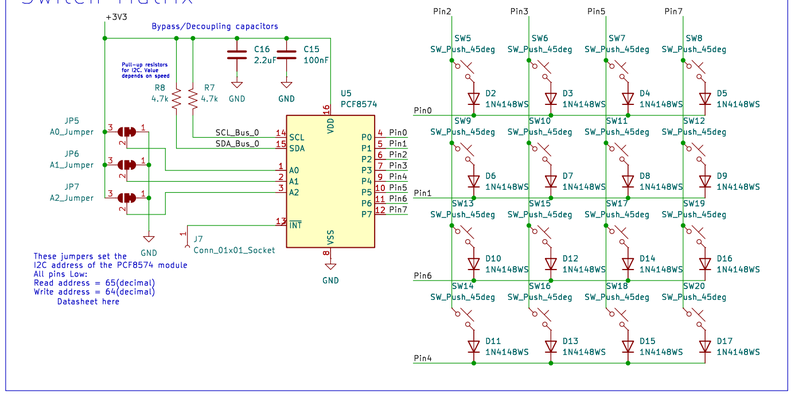


Breadboard Place



Switch Matrix



Rotary Encoders