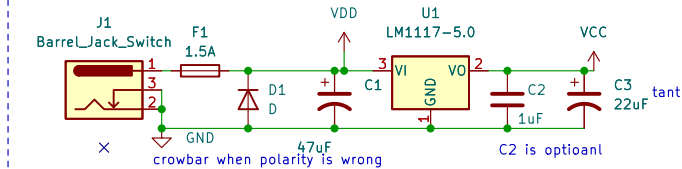


Power Supply

LED strip is $25\text{mA} \times 20 = 500\text{mA}$
 OCP trip on driver at 1.7A
 Driver max rated current is 1.1A



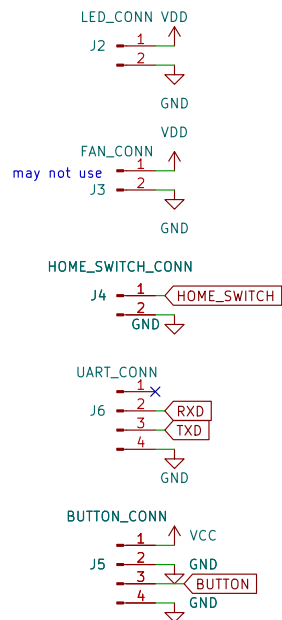
VCC - 5v for all electronics

VDD - protected 12V for motors and LED

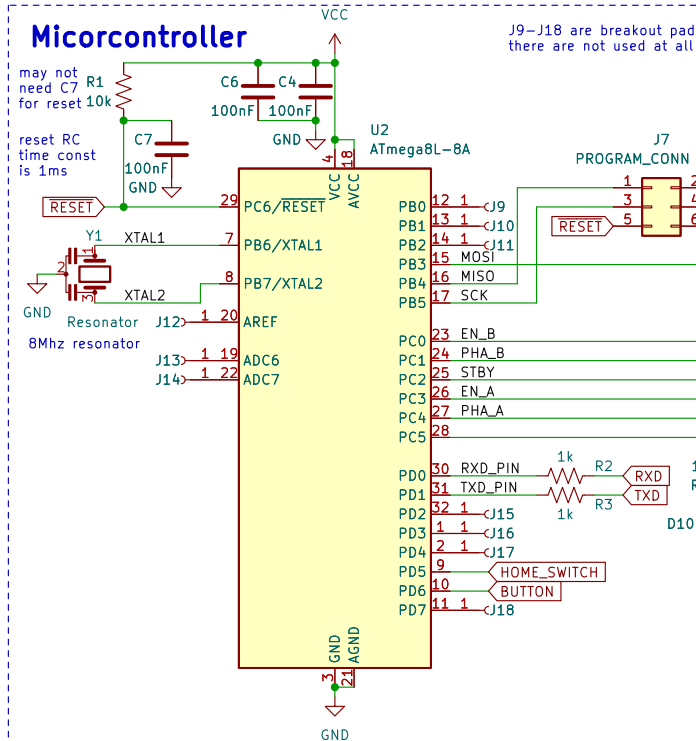
reg to 5v

might need heatsink, will dissipate ~0.21W

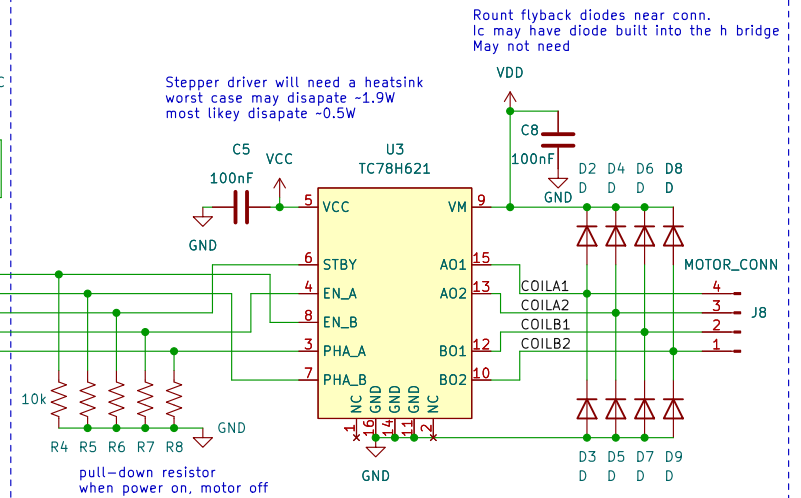
Connectors



Microcontroller



Stepper Driver



Microcontroller board to controller stepper motor that controls a turn table.
 On the turn table there are glasses. When user pushes a button on the display it rotates to the glasses.
 The microcontroller and the display talk through UART.
 copyright Revel Digital 2022

Sheet: /

File: glasses-display.kicad_sch

Title: Glasses display table controls, By Samuel Kim

Size: A4

Date: 11/23/2022

Rev: 1.0

KiCad E.D.A. kicad 6.0.8-f2edbf62ab-116-ubuntu20.04.1

Id: 1/1