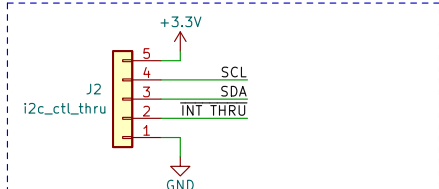
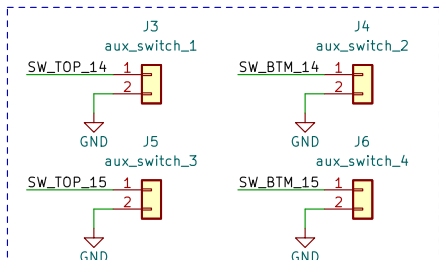


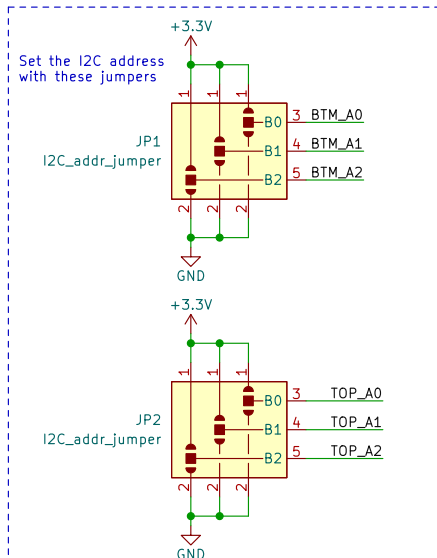
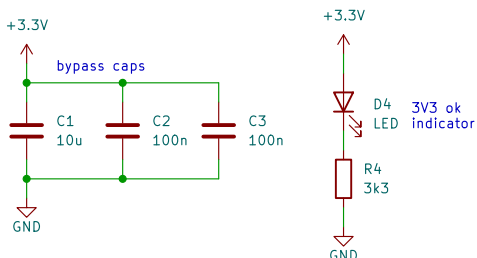
Read the switches with an I2C signal on this port.



Daisy chain I2C control.

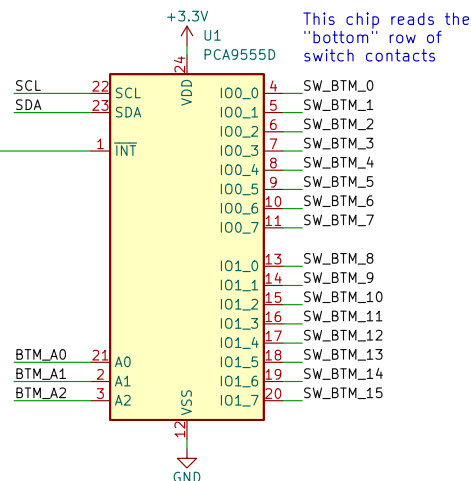
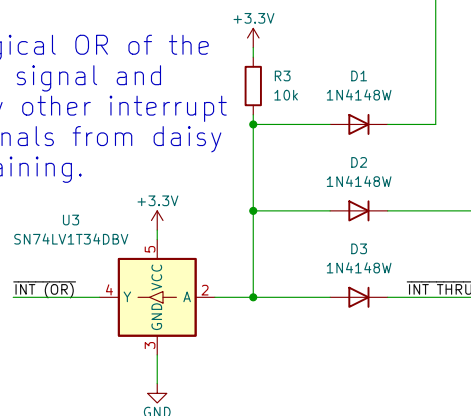


There are 30 main switches, the last two switches on the second board can be used for aux purposes, such as the power switch.

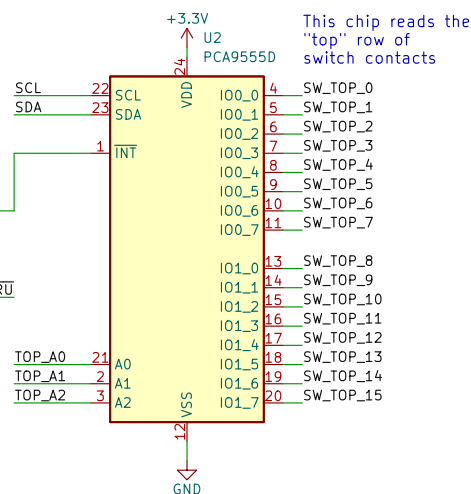


I2C Address jumpers.

Logical OR of the INT signal and any other interrupt signals from daisy chaining.

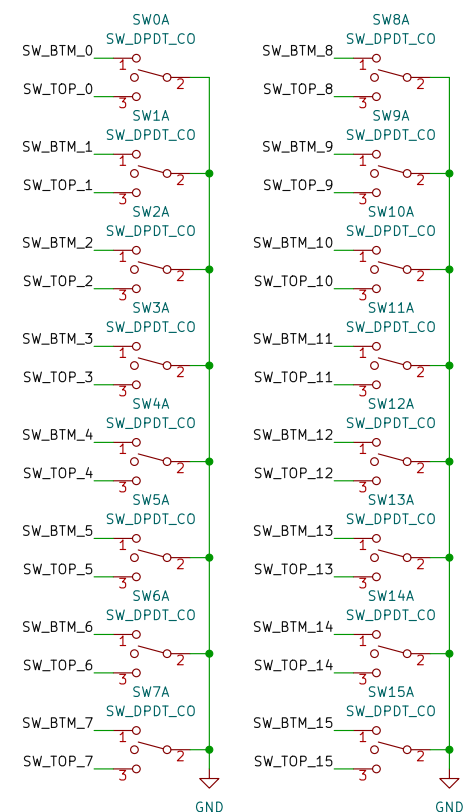


This chip reads the "bottom" row of switch contacts



This chip reads the "top" row of switch contacts

The default state of the PCA9555D is all IO pins configured as input pullups.



Drawn by: Jordan Aceto
Obedience project
I2C Switch Drivers

Sheet: /
File: switch_board.kicad_sch

Title: Switch Board

Size: A4 Date: 2022-08-13
KiCad E.D.A. eeschema 6.0.5+dfsg-1-bpo11+1

Rev: 0.1
Id: 1/1

