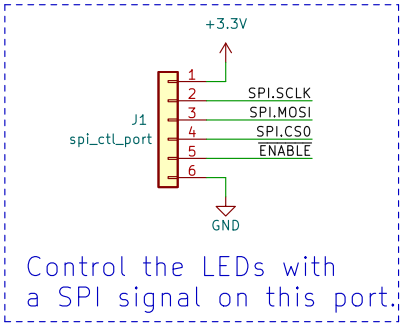
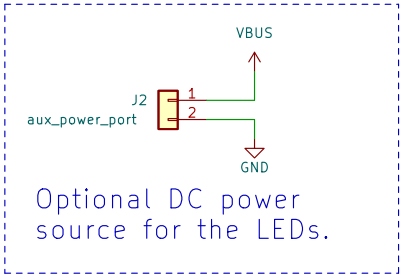
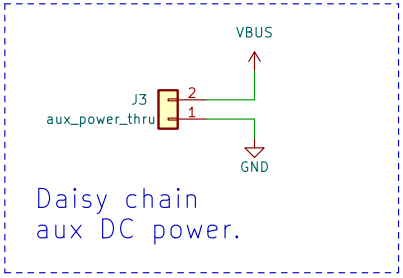


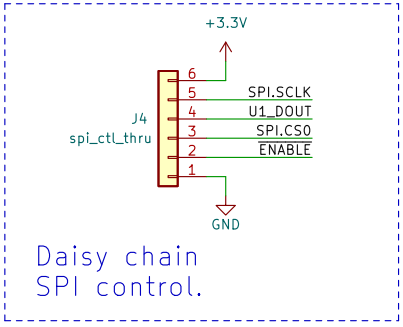
Control the LEDs with a SPI signal on this port.



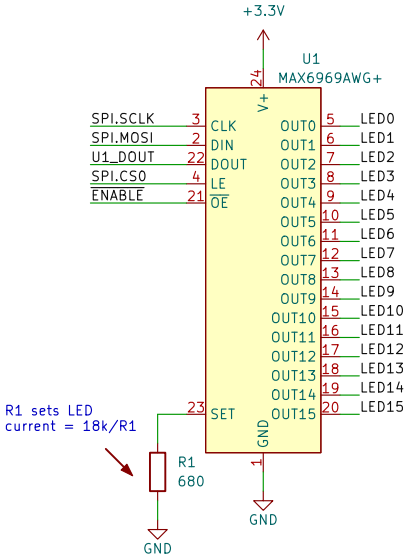
Optional DC power source for the LEDs.



Daisy chain aux DC power.

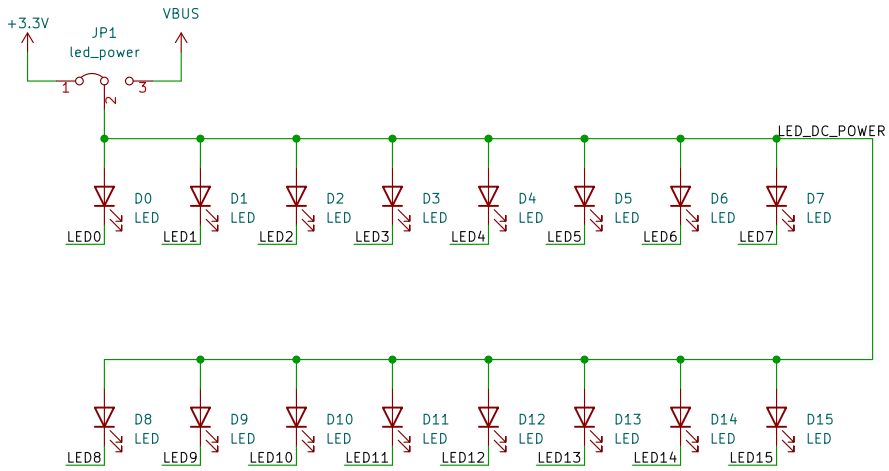


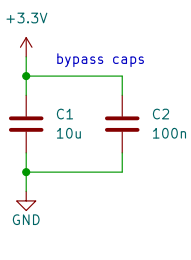
Daisy chain SPI control.

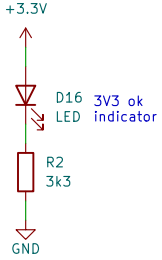


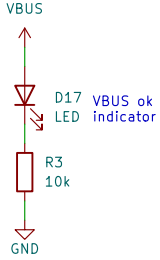
Brightness can be varied by adjusting the SET resistors, and also by sending a PWM signal to the ENABLE pin.

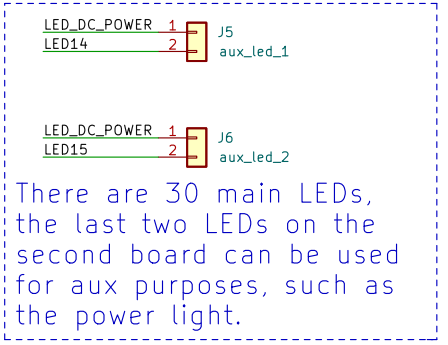
Use either the 3.3v power supply from the Raspi OR DC power supplied through the `aux_power_port` connector to power the LEDs.



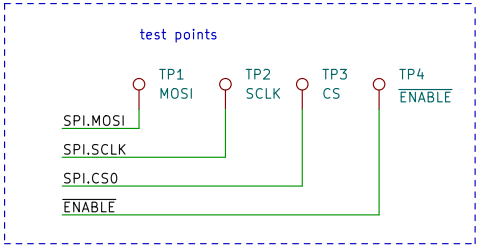


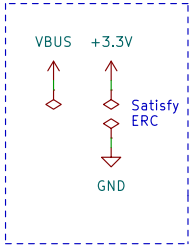






There are 30 main LEDs, the last two LEDs on the second board can be used for aux purposes, such as the power light.





Drawn by: Jordan Aceto
Obedience project
SPI LED Drivers

Sheet: /
File: led_breakout.kicad_sch

Title: LED Driver Board

Size: A4	Date: 2022-08-13	**Rev: 0.1**
KiCad E.D.A.	eeschema 6.0.5+dfsg-1-bpo11+1	Id: 1/1