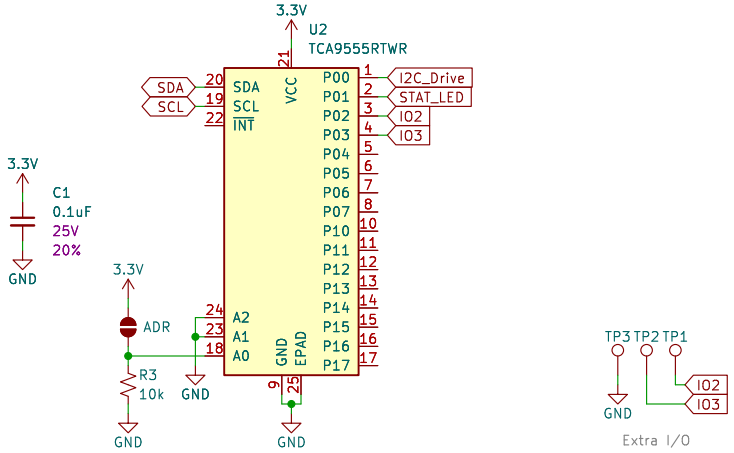
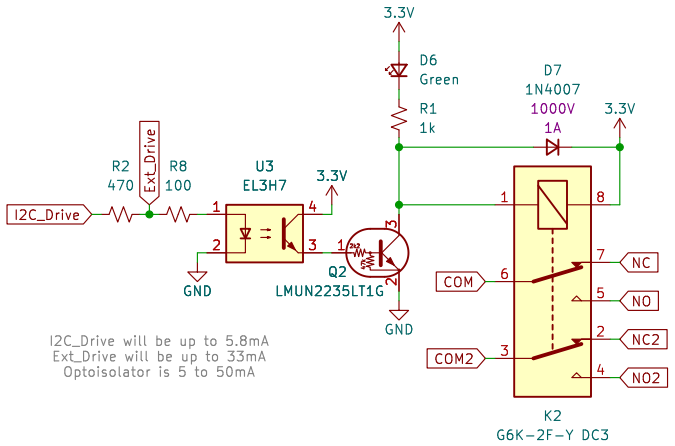
I²C GPIO Expander



Default 7-bit Unshifted I²C Address: 0x20
Close ADR for 0x21
Internal Default 100k Pullup Resistors on all GPIO

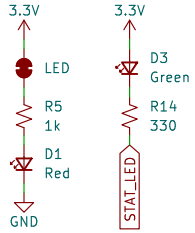
Relay



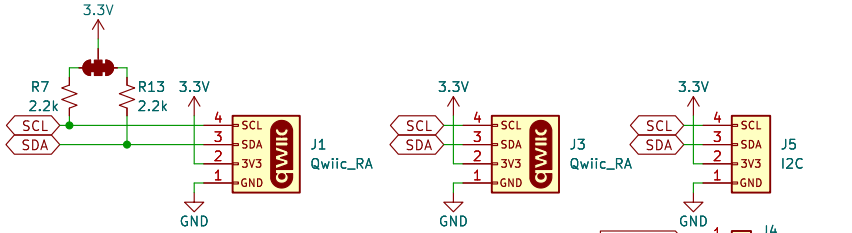
I2C_Drive will be up to 5.8mA
Ext_Drive will be up to 33mA
Optoisolator is 5 to 50mA

Relay Connections

LEDs



I²C Connectors



External drive of relay.
Drive high at 3.3V to actuate.

open source hardware

sparkfun

Designed by: N. Seidle

Sheet: /
File: SparkFun_Qwiic_Relay_1x1A_DPDT.kicad_sch

Title: SparkFun Qwiic Relay 1x1A DPDT

Size: USLetter	Date: 2025-12-08	**Rev: v10**
KiCad E.D.A. 9.0.2		Id: 1/1