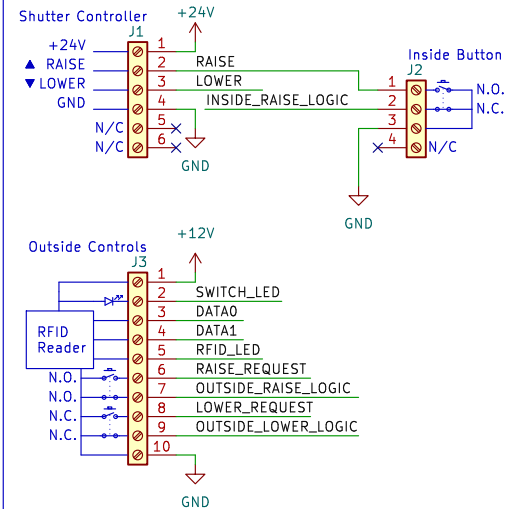
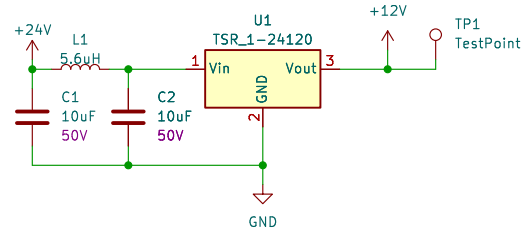


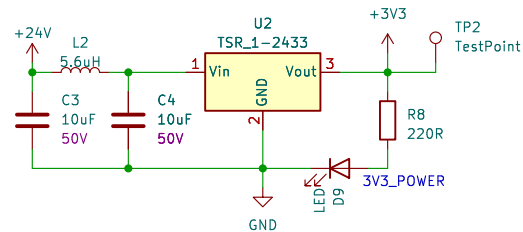
Screw Terminals



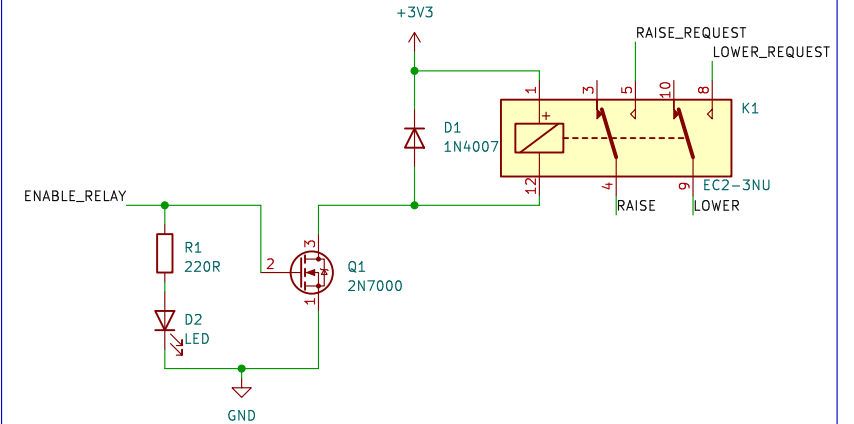
12V Power Supply



3.3V Power Supply



Output Relay



Notes:

* LED1, LED2 and LED3 have no designated function, but could be used as power, network and status LEDs. LED 3 is also passed to the Weigand reader

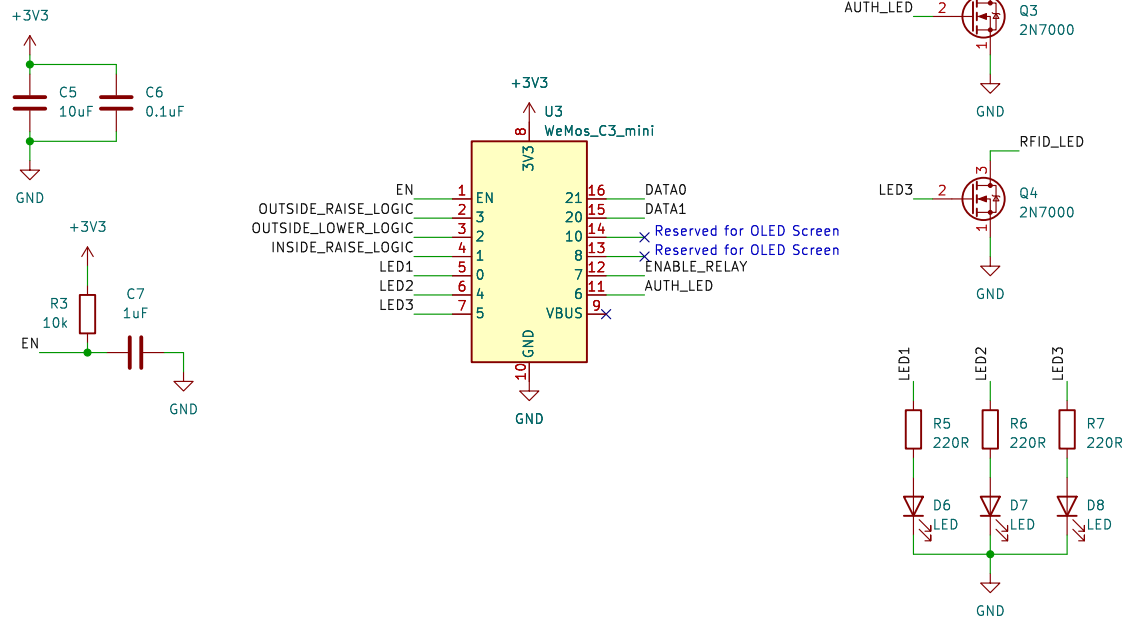
* Provisions have been made to attach a Wemos 0.66" OLED shield (https://www.wemos.cc/en/latest/d1_mini_shield/oled_0.66.html)

* The intention of AUTH_LED / SWITCH_LED is that the LED indicators within the outside switches will light to show that the RFID authentication has been successful, then shut off once the timer has ended

* The inside up button functions independantly of this interface, providing logic level feedback when used

* Intended process flow: 1. User authenticates with RFID card; 2. Relay activated to enable outside buttons / SWITCH_LED activated; 3. Shutter is operated normally until software timer runs out;

Wemos C3 Mini



H1 MountingHole H2 MountingHole H3 MountingHole

Swansea Hackspace

Sheet: /
File: roller-shutter-controller.kicad_sch

Title: Roller Shutter Access Control Interface Board

Size: A4 Date: 2023-01-23
KiCad E.D.A. kicad (6.99.0-3810-gd26b59a0bf)

Rev: 5
Id: 1/1