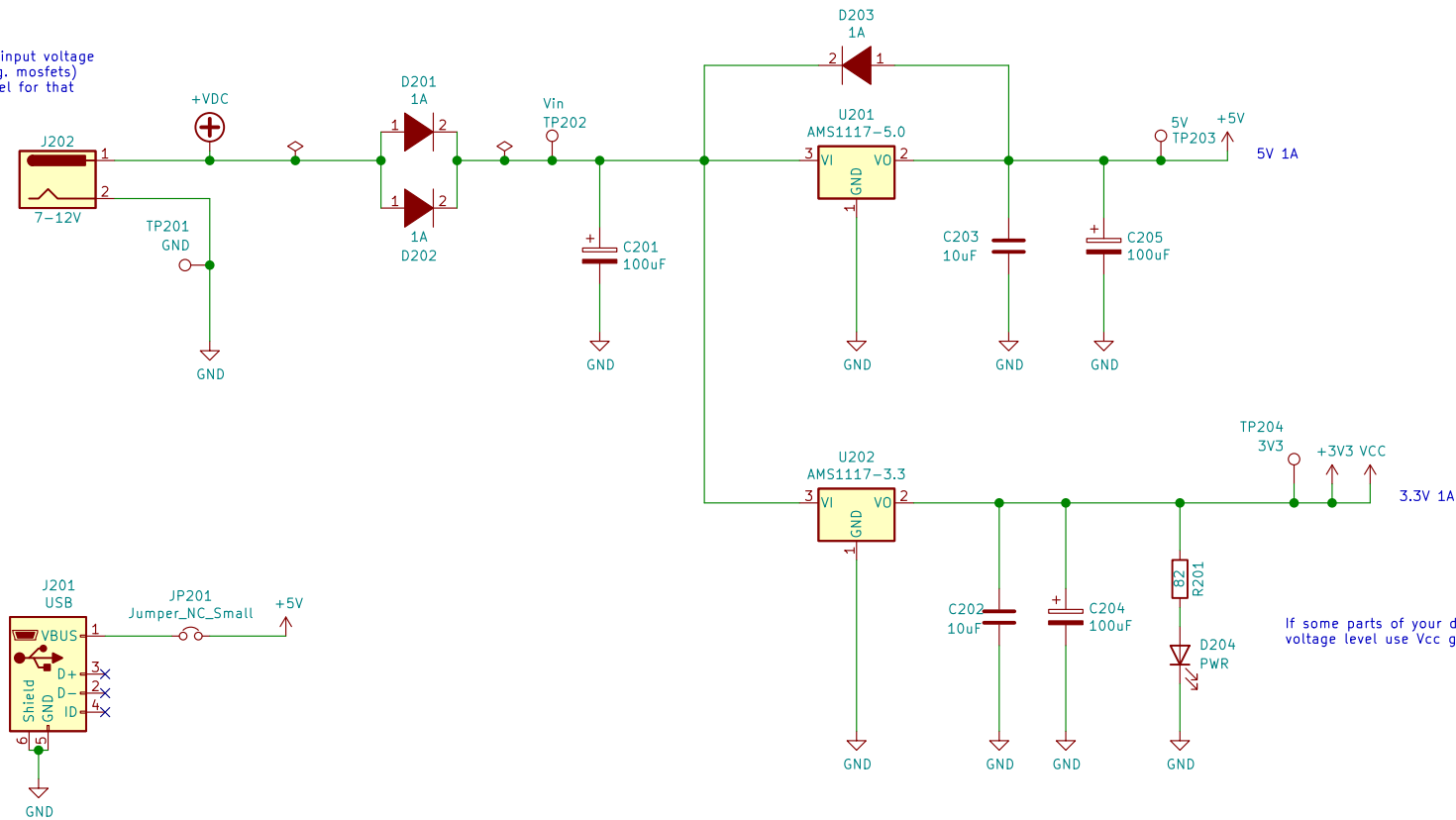


If you want to use input voltage
in other places (e.g. mosfets)
use VDC global label for that



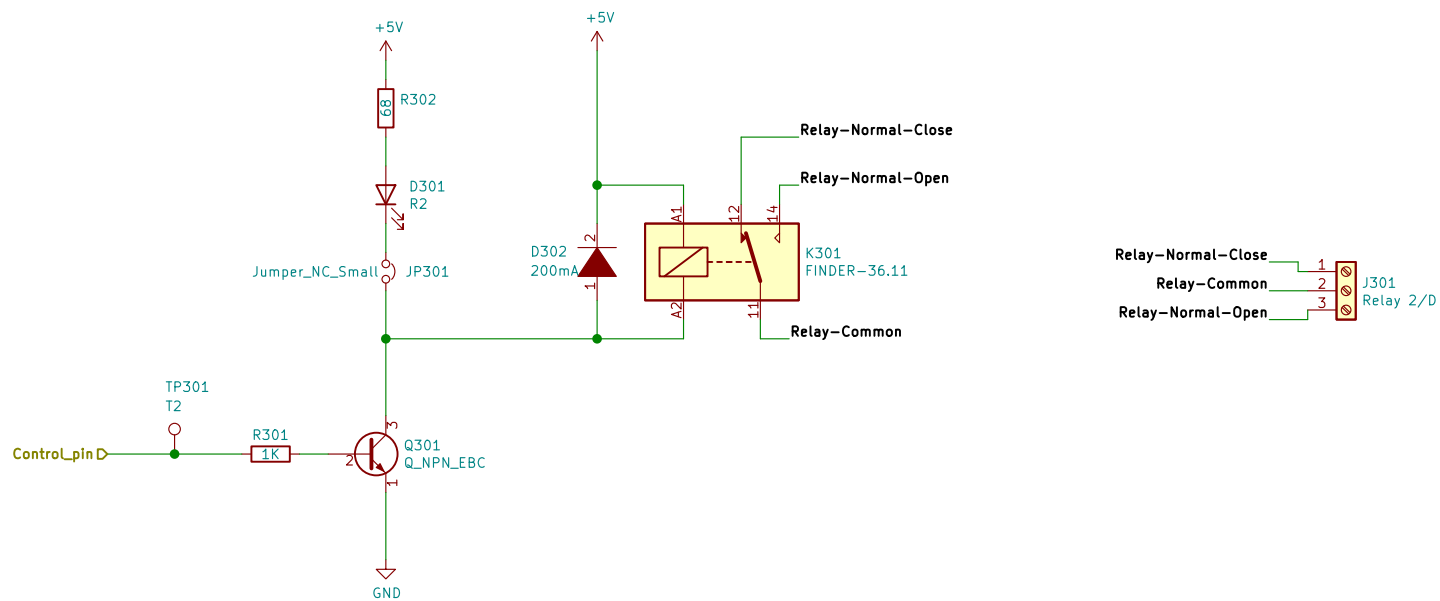
Remote Relay Switches
<https://github.com/Grehasopt/Electra>
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Sheet: /Power/
 File: Power.sch

Title: Electra Project

Size: A4 Date: 2021-04-01
 KiCad E.D.A. kicad 5.1.9-73d0e3b20d88ubuntu18.04.1

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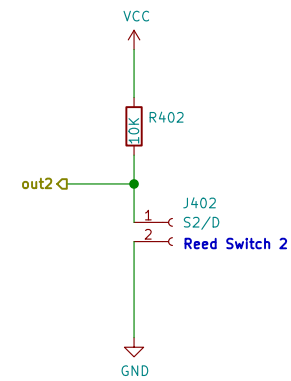
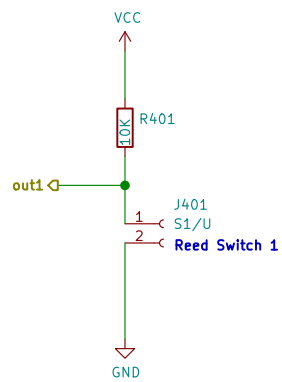
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Sheet: /Relay2/
 File: Relay2.sch

Title: Electra Project

Size: A4 Date: 2021-04-01
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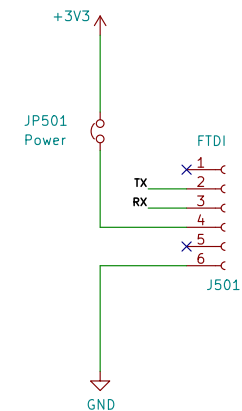
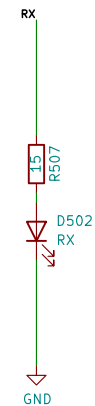
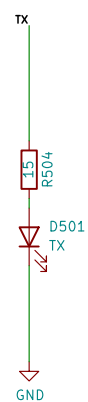
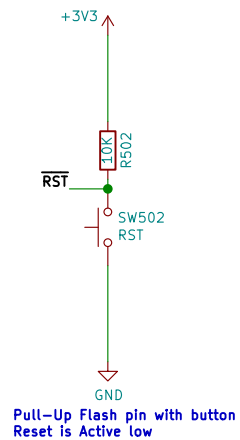
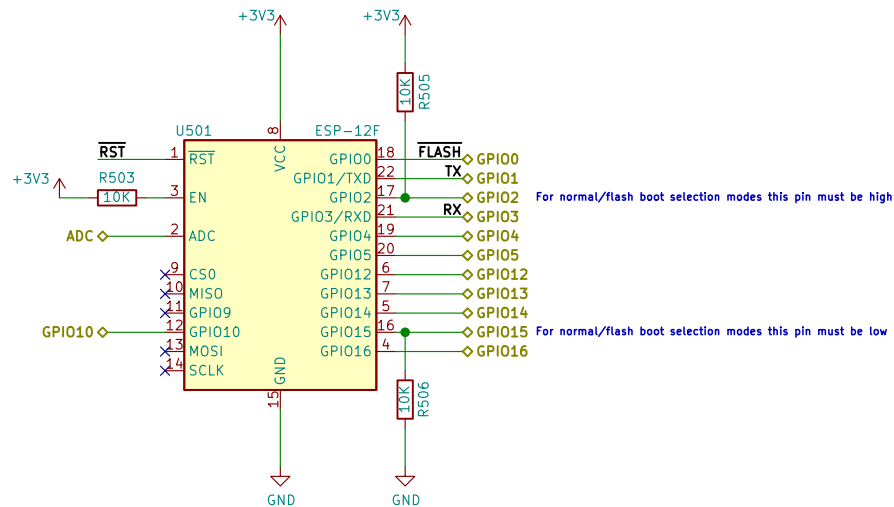
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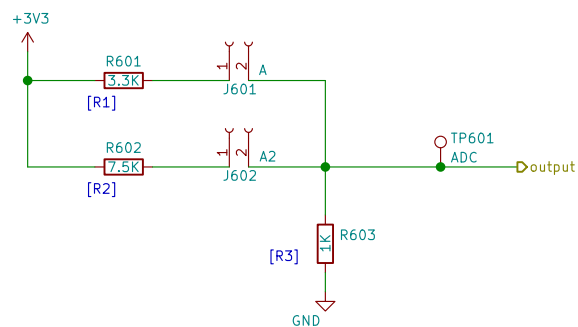
Sheet: /Reed Switches/
 File: Reed Switches.sch

Title: Electra Project

Size: A4	Date: 2021-04-01	Rev: 2.0
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- * Condition A (Pressed Button 1): Say $R1/R3=n1 \Rightarrow Vo1 = 3.3/(n1+1)$
- * Condition B (Pressed Button 2): Say $R2/R3=n2 \Rightarrow Vo2 = 3.3/(n2+1)$

* Condition C (Both buttons pressed! Vo MUST be less than 1V!):
 So .. if $K=(n1*n2)/(n1+n2)$ [parallel connection] then:
 $Vo = 3.3/(K+1)$

Based on that, for $R3 = 1K$, $R1 = 7.5R3$ and $R2=3.3R3$
 $Vo1 \sim 0.388V$
 $Vo2 \sim 0.767V$
 $Vo \sim 1.003V$

Use ADC with voltage divider trick to add extra two input button. If you change values of these resistors you are able to still use it as an analog pin.

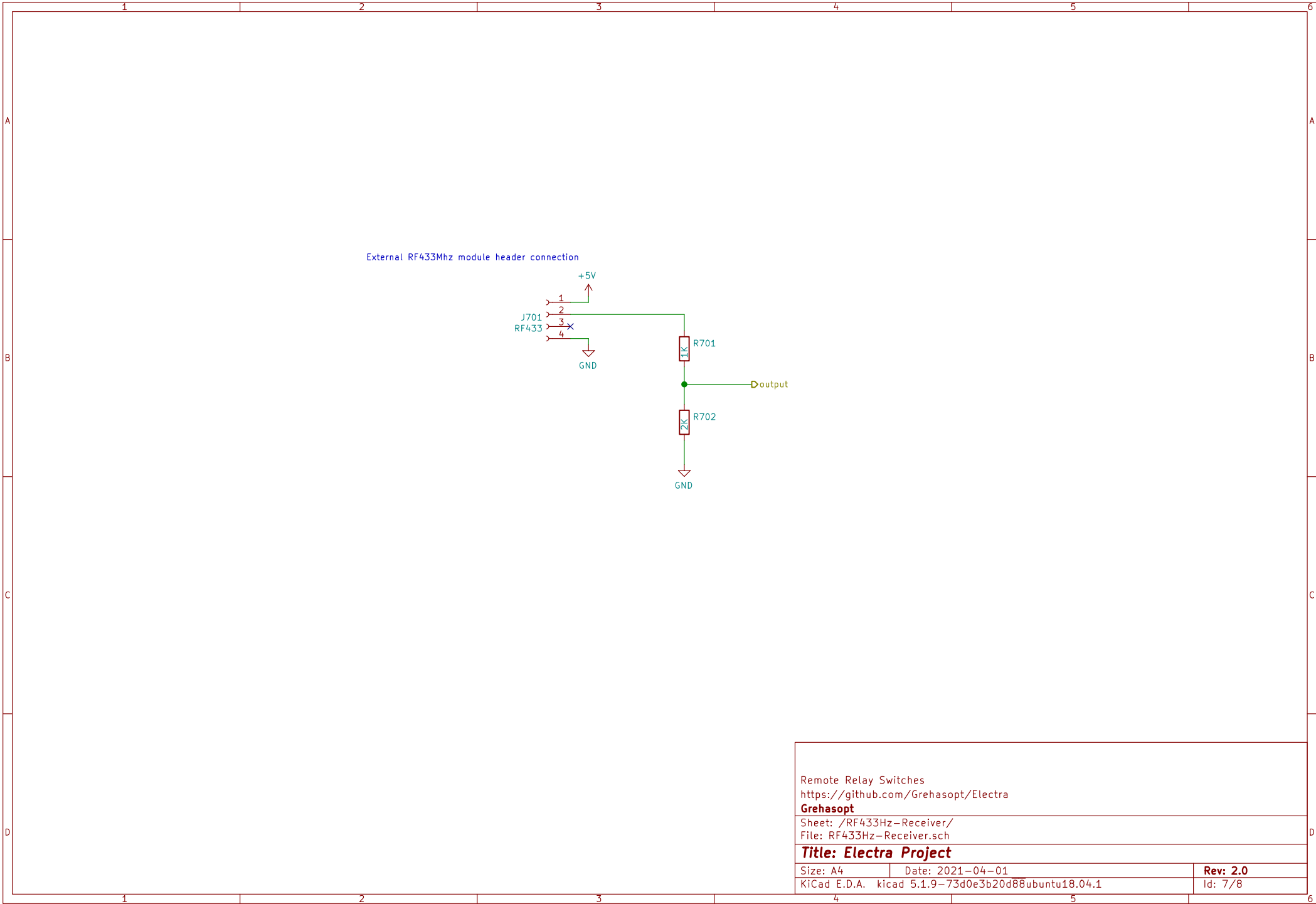
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Sheet: /ADC-logic/
 File: ADC-logic.sch

Title: Electra Project

Size: A4	Date: 2021-04-01	Rev: 2.0
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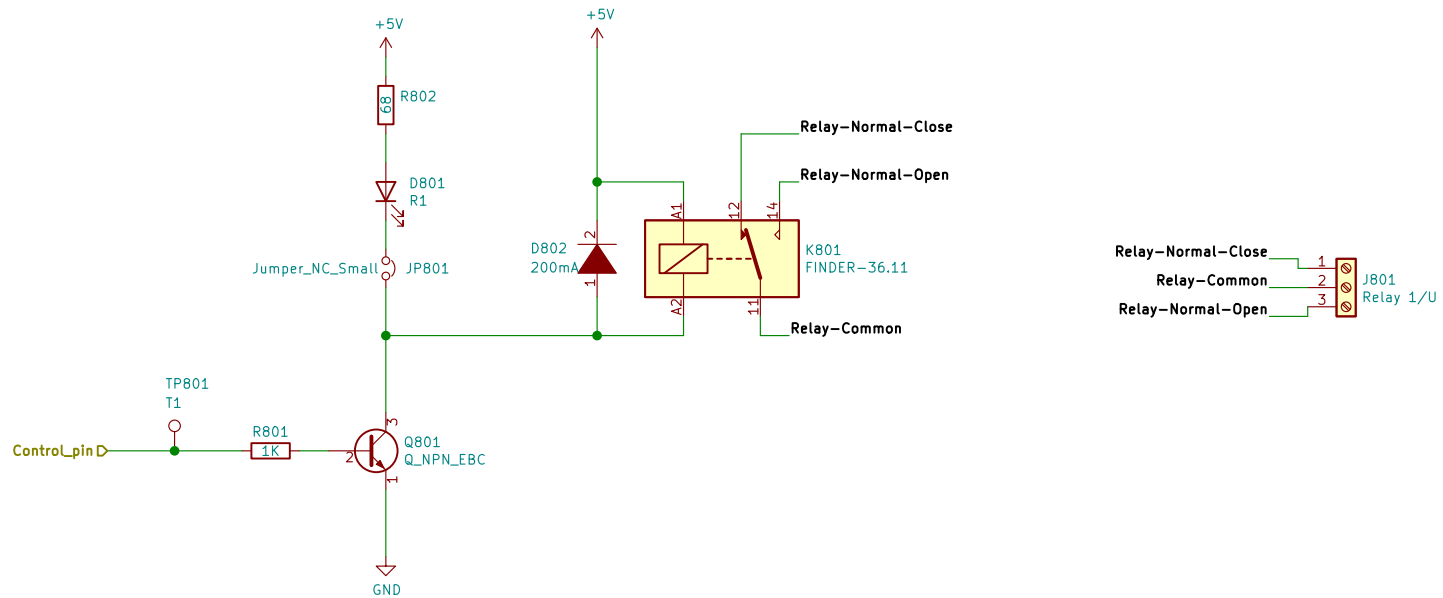


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Sheet: /RF433Hz-Receiver/
File: RF433Hz-Receiver.sch

Title: Electra Project

Size: A4	Date: 2021-04-01	Rev: 2.0
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Sheet: /Relay1/
 File: Relay1.sch

Title: Electra Project

Size: A4 Date: 2021-04-01
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