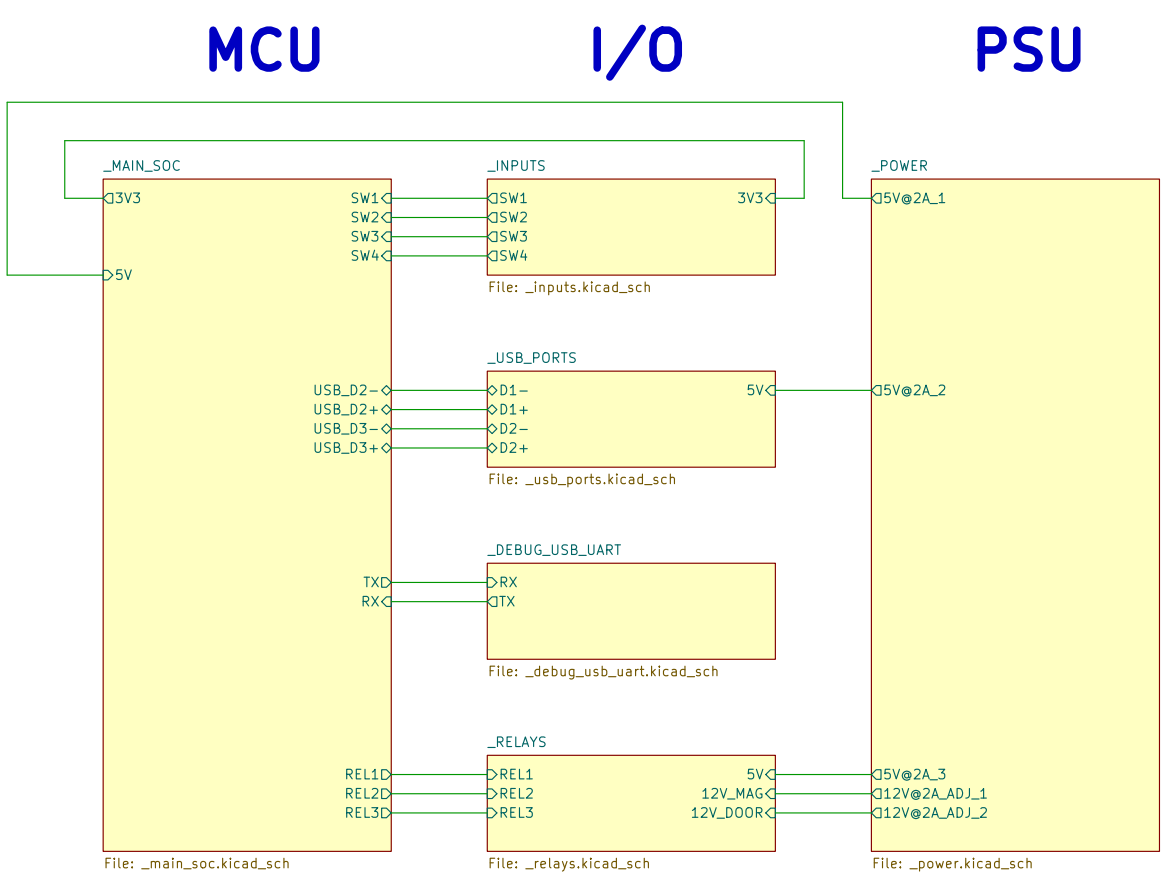



Mechanical

H1 H2 H3 H4 H5

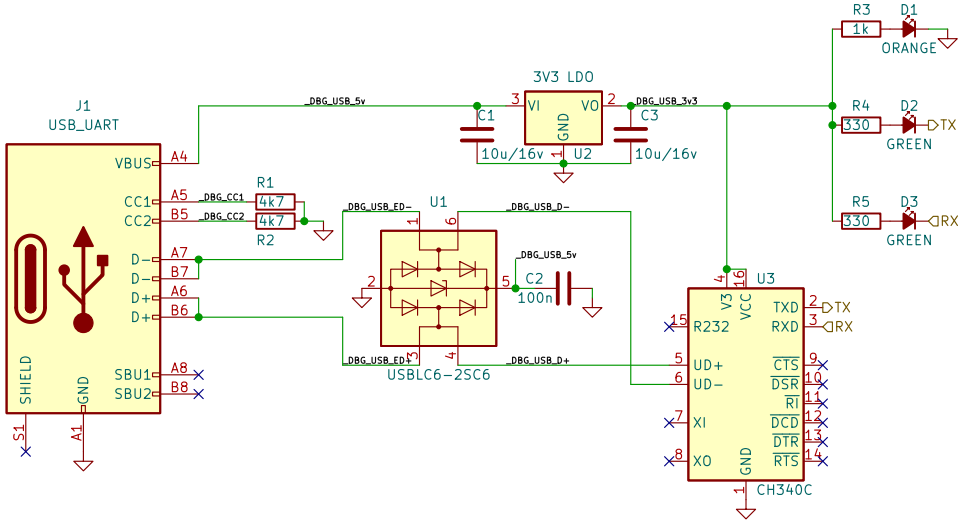
makerspace.lt

Sheet: /

File: maglock.kicad_sch

**Title: MagLock**

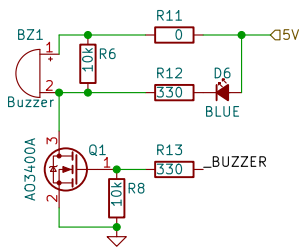
| Size: A4 | Date: 2022-11-02 | **Rev: 2.2** |
|---|---|---|
| KiCad E.D.A. | eeschema 6.0.5+dfsg-1~bpo11+1 | Id: 1/7 |



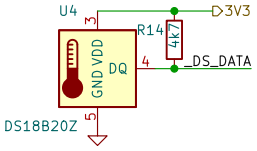

_DBG_USB_5v

| | | |
|---|---|---|
| makerspace.lt | | |
| Sheet: /_DEBUG_USB_UART/ | | |
| File: _debug_usb_uart.kicad_sch | | |
| **Title: MagLock** | | |
| Size: A4 | Date: 2022-11-02 | **Rev: 2.2** |
| KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1 | | Id: 2/7 |

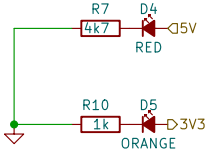
## Buzzer




## Thermometer




## Power Indicators

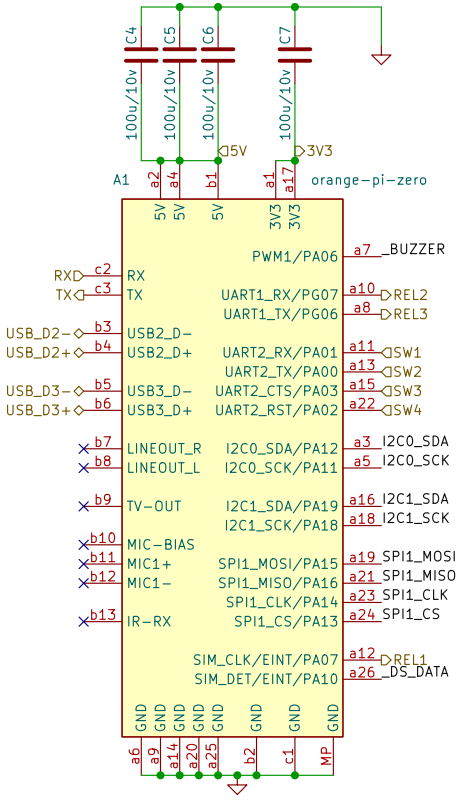



## OPI connectors for BOM

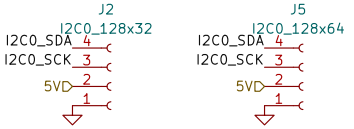
XJaA1
Conn_02x13_Female_2.54

XJbA1
Conn_01x13_Female_2.54

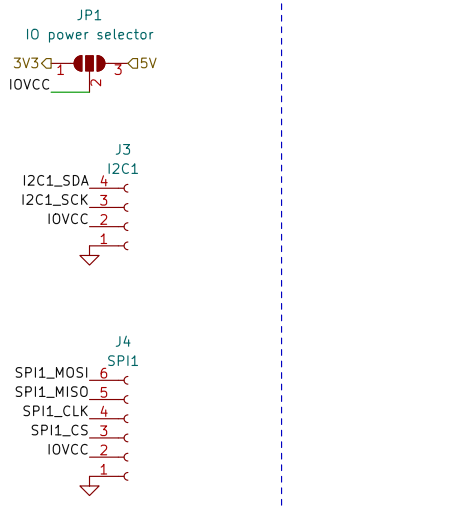
XJcA1
Conn_01x03_Female_2.54




## Displays




## GPIO Breakout




3V3

| | | |
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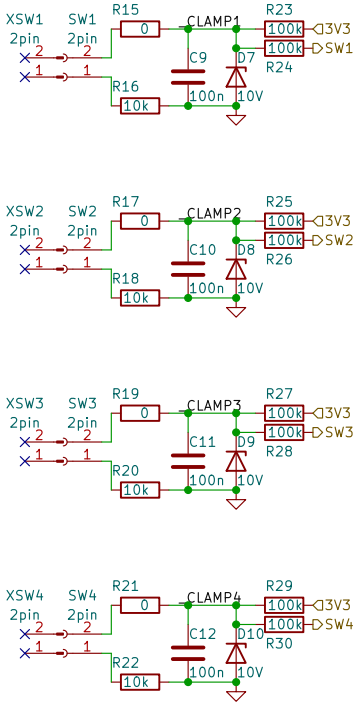
| makerspace.lt | | |
| Sheet: /_MAIN_SOC/ | | |
| File: _main_soc.kicad_sch | | |
| **Title: MagLock** | | |
| Size: A4 | Date: 2022-11-02 | **Rev: 2.2** |
| KiCad E.D.A. | eeschema 6.0.5+dfsg-1~bpo11+1 | Id: 3/7 |

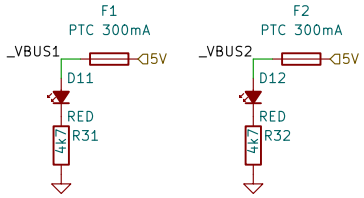


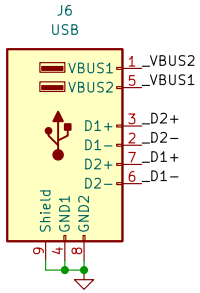

**makerspace.lt**

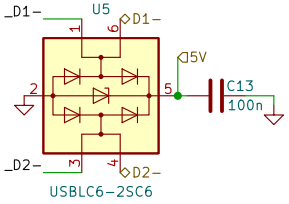
Sheet: /_INPUTS/
File: _inputs.kicad_sch

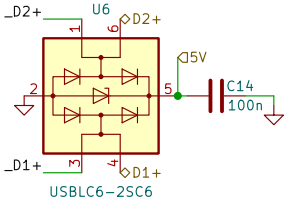
***Title: MagLock***

| Size: A4 | Date: 2022-11-02 | **Rev: 2.2** |
|---|---|---|
| KiCad E.D.A. | eeschema 6.0.5+dfsg-1~bpo11+1 | Id: 4/7 |



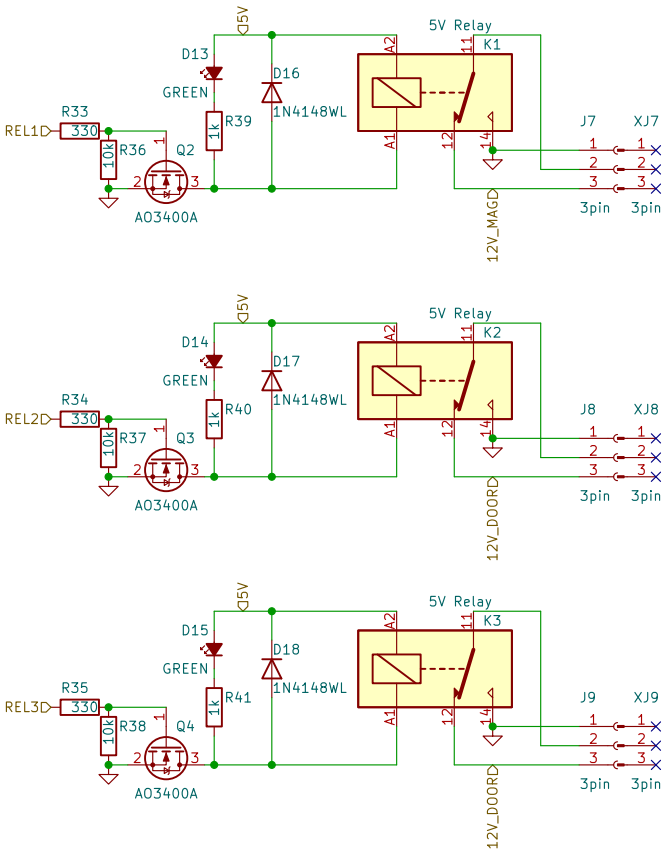




_VBUS1
_VBUS2

makerspace.lt
Sheet: /_USB_PORTS/
File: _usb_ports.kicad_sch

**Title: MagLock**

| | | |
|---|---|---|
| Size: A4 | Date: 2022-11-02 | **Rev: 2.2** |
| KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1 | | Id: 5/7 |




makerspace.lt

Sheet: /_RELAYS/

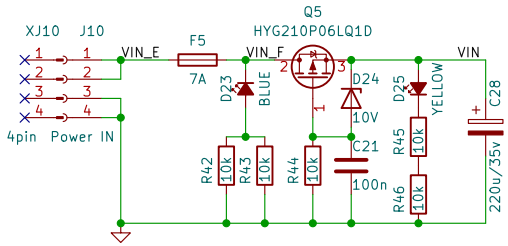
File: _relays.kicad_sch

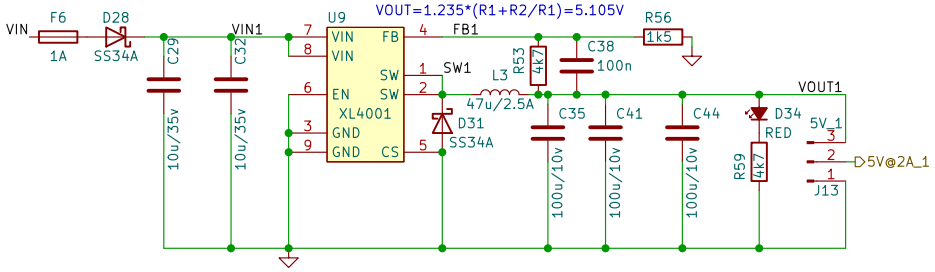
**Title: MagLock**

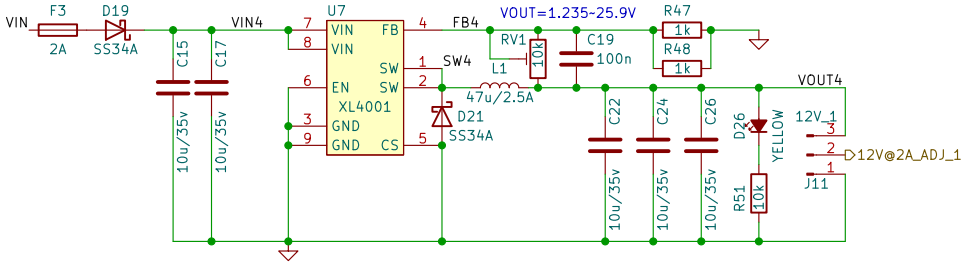
| Size: A4 | Date: 2022-11-02 | **Rev: 2.2** |
|---|---|---|
| KiCad E.D.A. | eeschema 6.0.5+dfsg-1~bpo11+1 | Id: 6/7 |

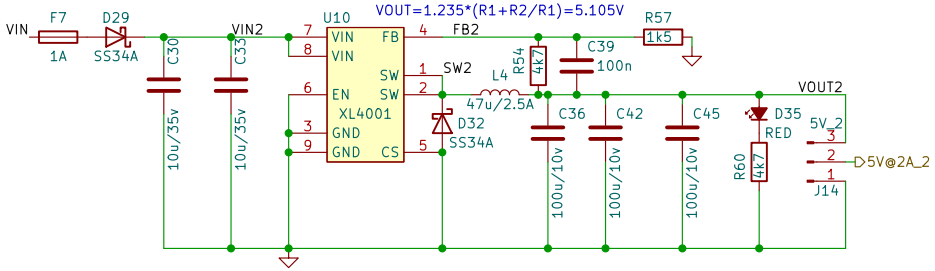
Power Distribution

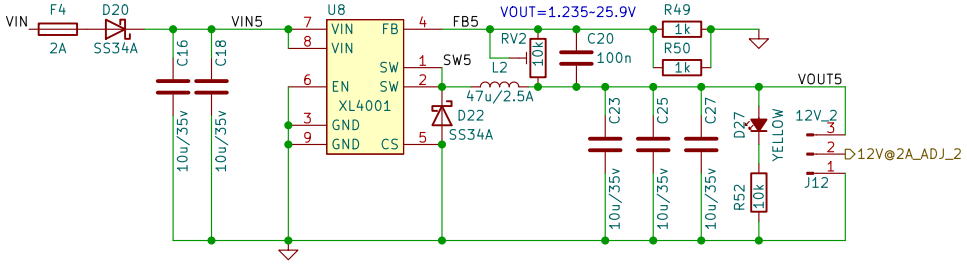
VIN=12-30V @ 6.5A - 60W
---
Magnet - 12V@1A ADJ - 12W
Door - 12V@2A ADJ - 24W
Orange - 5.1V@2A - 10W
USB - 5.1V@1A - 5W
In/Rel - 5.1V@1A - 5W

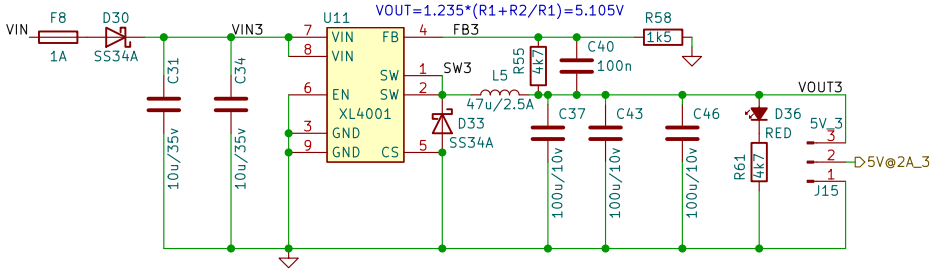



VIN1
VIN2
VIN3
VIN4
VIN5

**makerspace.lt**

Sheet: /_POWER/
File: _power.kicad_sch

**Title: MagLock**

| Size: A4 | Date: 2022-11-02 | **Rev: 2.2** |
|---|---|---|
| KiCad E.D.A. eeschema 6.0.5+dfsg-1-bpo11+1 | | Id: 7/7 |