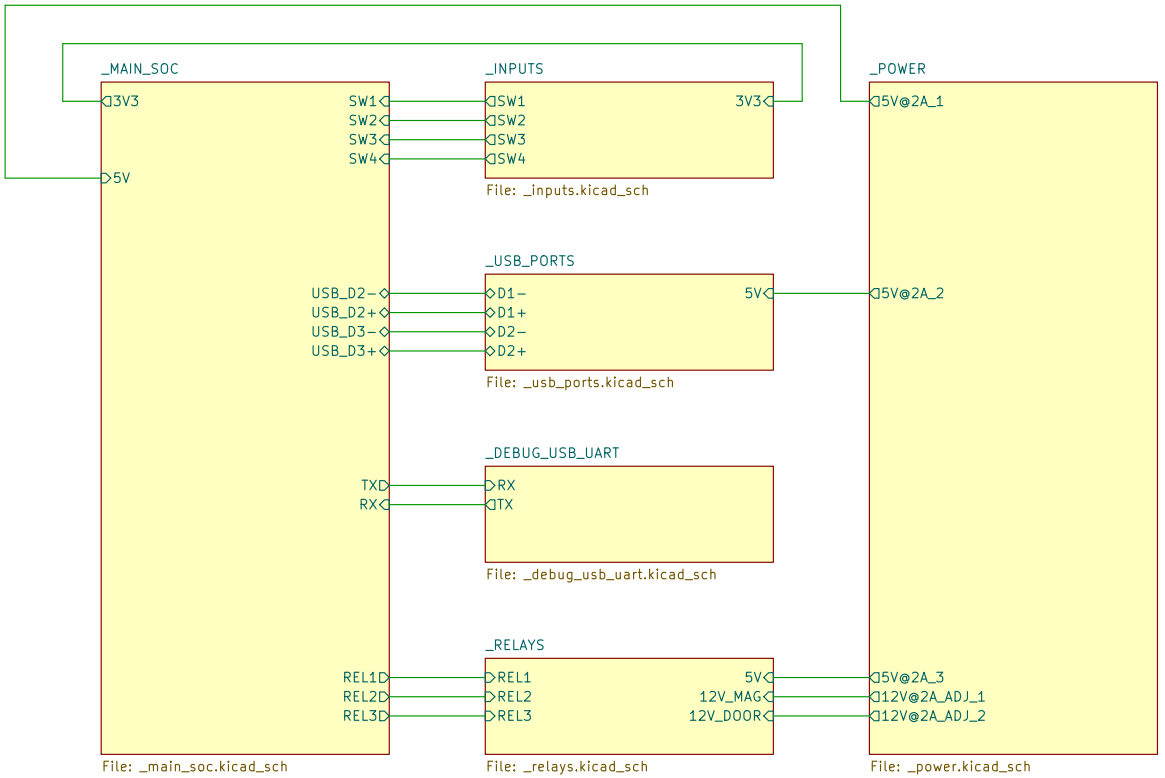
MCU I/O PSU



Mechanical

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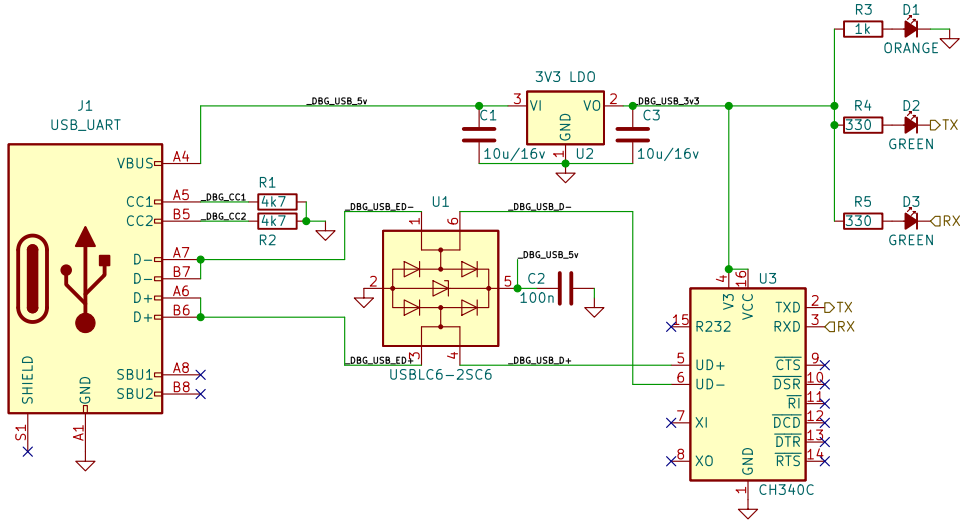
Sheet: /
File: maglock.kicad_sch

Title: MagLock

Size: A4	Date: 2022−11−01	**Rev: 2.1**
KiCad E.D.A.	eeschema 6.0.5+dfsg−1~bpo11+1	Id: 1/7



_DBG_USB_5v

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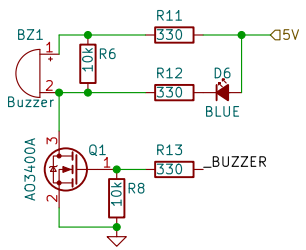
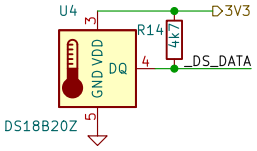
File: _debug_usb_uart.kicad_sch		
Title: MagLock		
Size: A4	Date: 2022-11-01	**Rev: 2.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		Id: 2/7

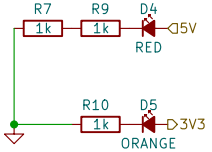
Buzzer



Thermometer



Power Indicators

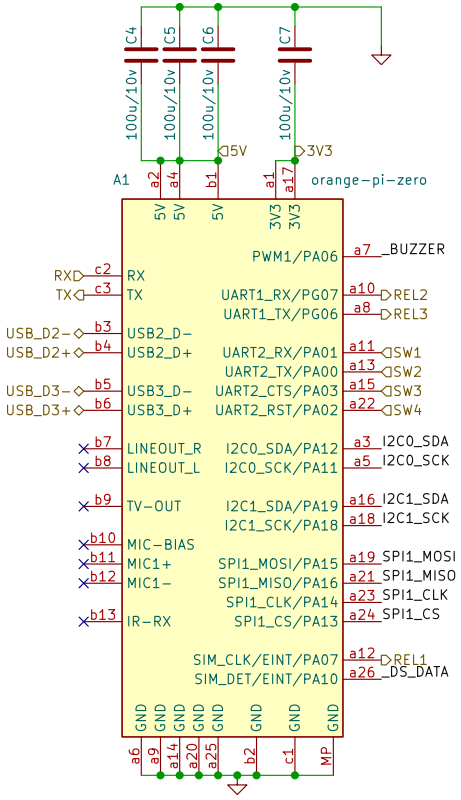


OPI connectors for BOM

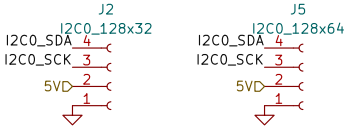
XJaA1
Conn_02x13_Female_2.54

XJbA1
Conn_01x13_Female_2.54

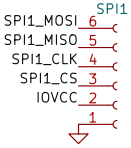
XJcA1
Conn_01x03_Female_2.54



Displays



GPIO Breakout



3V3

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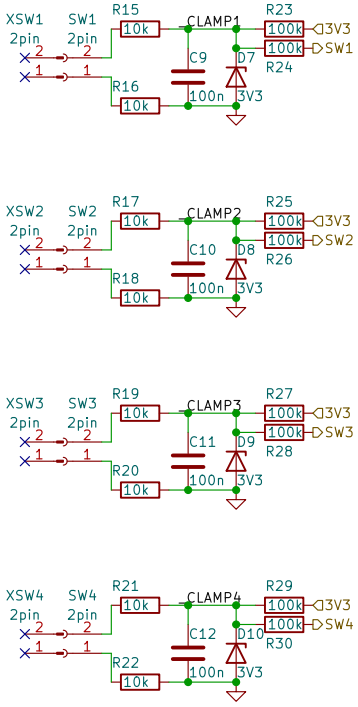
Sheet: /_MAIN_SOC/
File: _main_soc.kicad_sch

Title: MagLock

Size: A4	Date: 2022-11-01	**Rev: 2.1**
KiCad E.D.A.	eeschema 6.0.5+dfsg-1~bpo11+1	Id: 3/7



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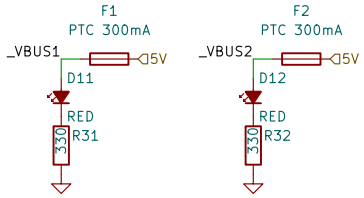
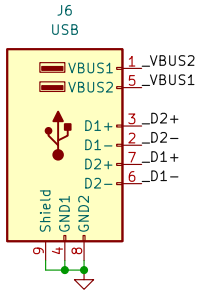
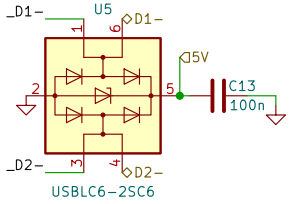
Sheet: /_INPUTS/
File: _inputs.kicad_sch

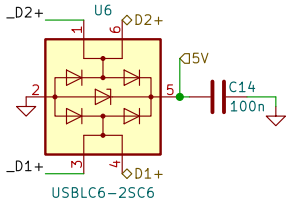
Title: MagLock

Size: A4	Date: 2022-11-01	**Rev: 2.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		Id: 4/7









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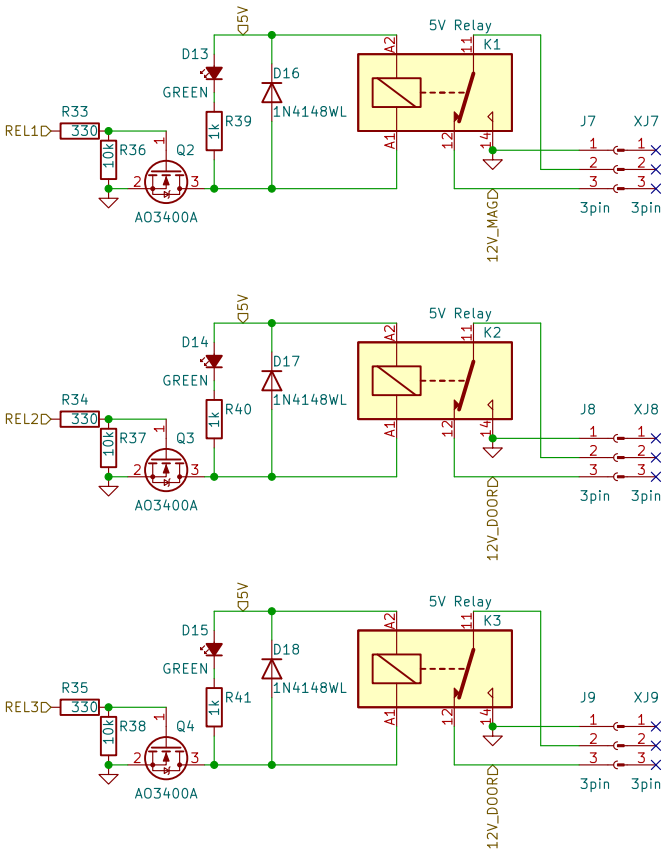
Sheet: /_USB_PORTS/
File: _usb_ports.kicad_sch

Title: MagLock

Size: A4	Date: 2022-11-01	**Rev: 2.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1~bpo11+1		Id: 5/7



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Sheet: /_RELAYS/
File: _relays.kicad_sch

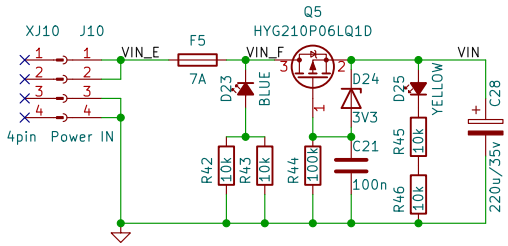
Title: MagLock

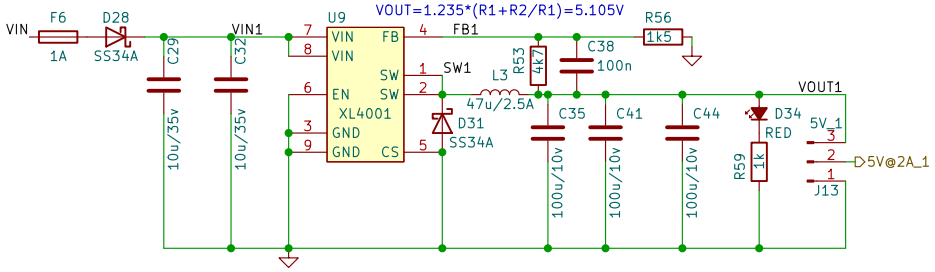
Size: A4	Date: 2022-11-01	**Rev: 2.1**
KiCad E.D.A.	eeschema 6.0.5+dfsg-1~bpo11+1	Id: 6/7

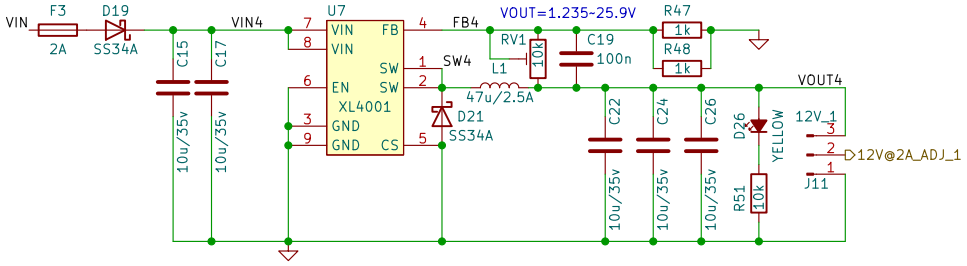
Power Distribution

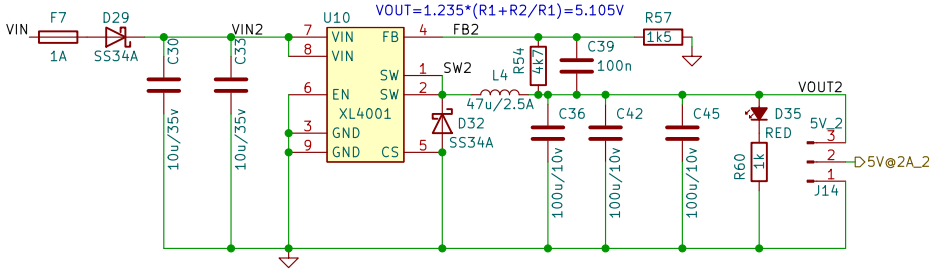
VIN=12-30V @ 6.5A - 60W

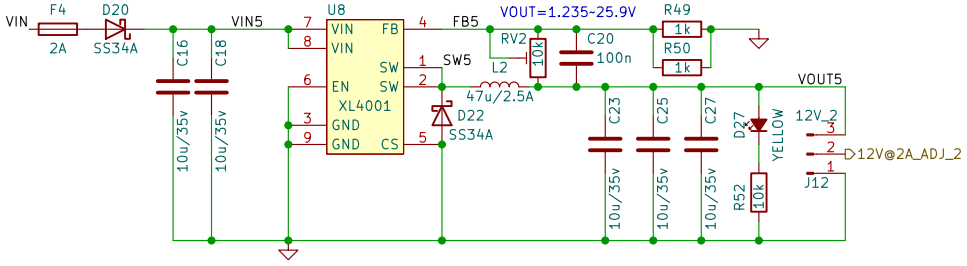
Magnet - 12V@1A ADJ - 12W
Door - 12V@2A ADJ - 24W
Orange - 5.1V@2A - 10W
USB - 5.1V@1A - 5W
In/Rel - 5.1V@1A - 5W

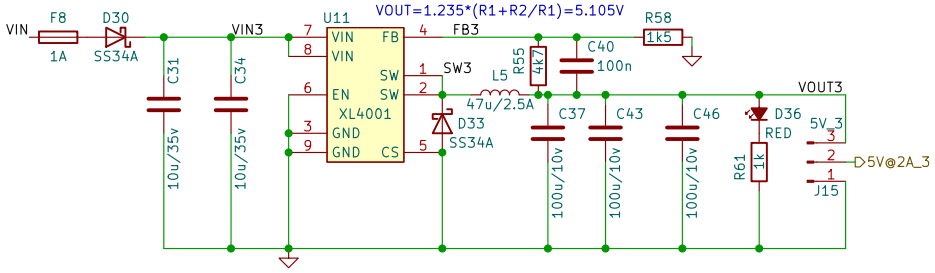












VIN1
VIN2
VIN3
VIN4
VIN5

makerspace.lt
Sheet: /_POWER/
File: _power.kicad_sch

Title: MagLock

Size: A4	Date: 2022-11-01	**Rev: 2.1**
KiCad E.D.A. eeschema 6.0.5+dfsg-1-bpo11+1		Id: 7/7