

DBG\_USB\_5v

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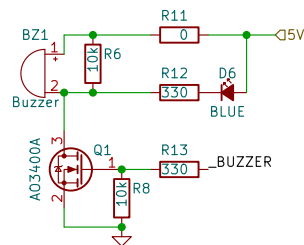
Sheet: /\_DEBUG\_USB\_UART/  
File: \_debug\_usb\_uart.kicad\_sch

Title: MagLock

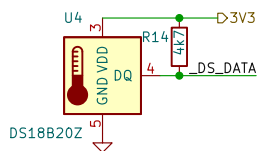
Size: A4 Date: 2022-11-01  
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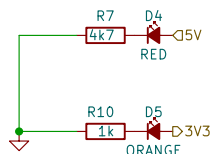
## Buzzer



## Thermometer



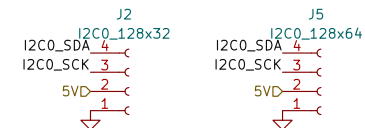
## Power Indicators



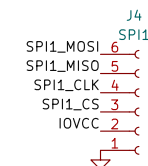
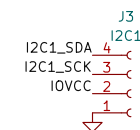
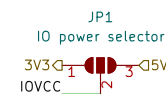
## OPI connectors for BOM

- 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

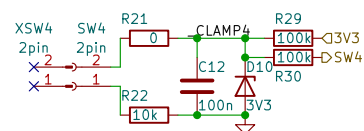
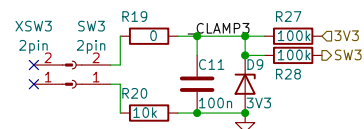
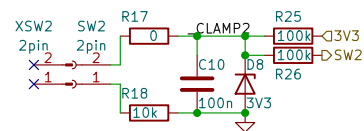
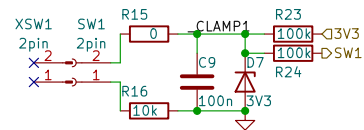
Title: MagLock

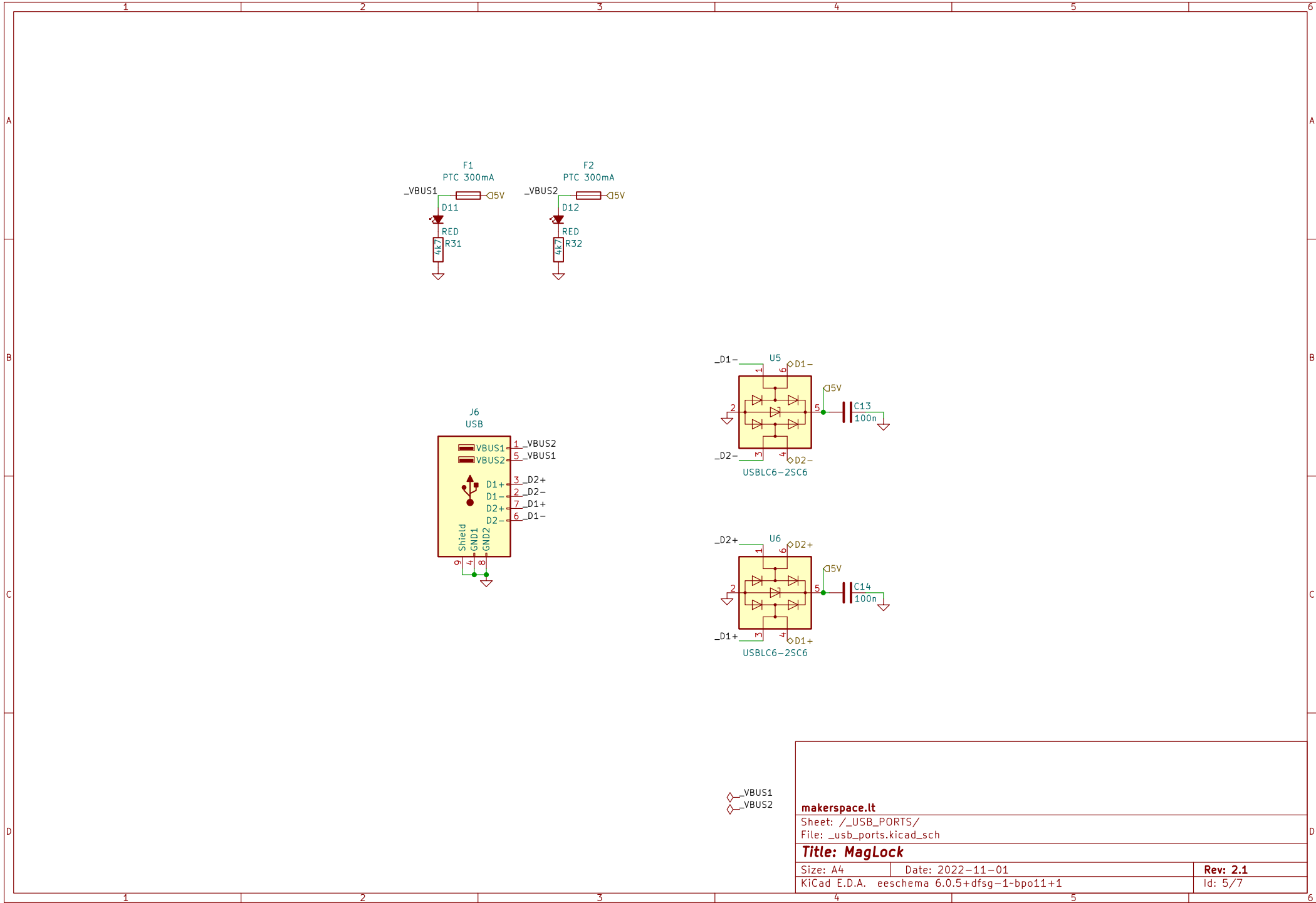
Size: A4 Date: 2022-11-01

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Sheet: /\_USB\_PORTS/

File: \_usb\_ports.kicad\_sch

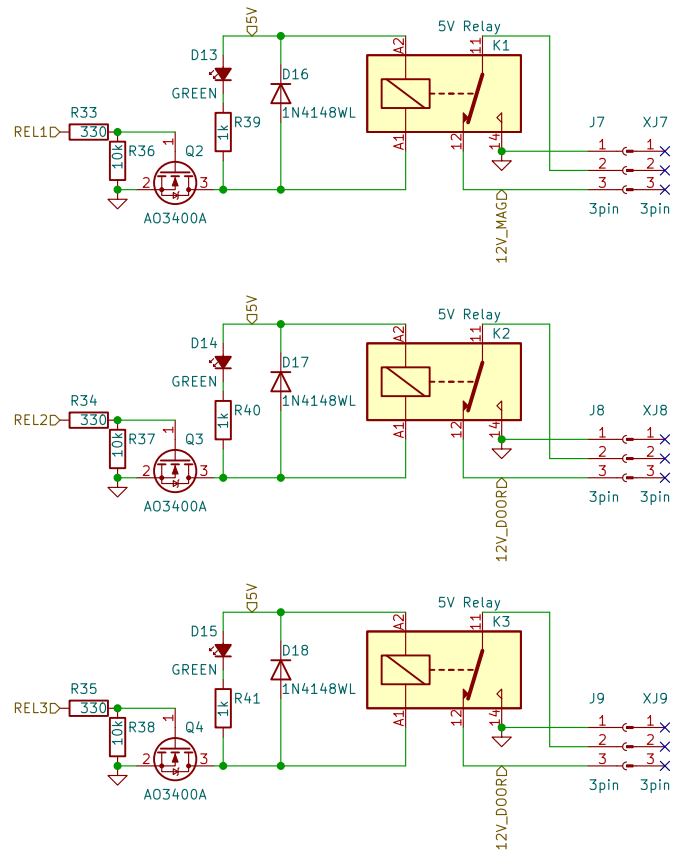
**Title: MagLock**

Size: A4 Date: 2022-11-01

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Sheet: /\_RELAYS/  
File: \_relays.kicad\_sch

**Title: MagLock**

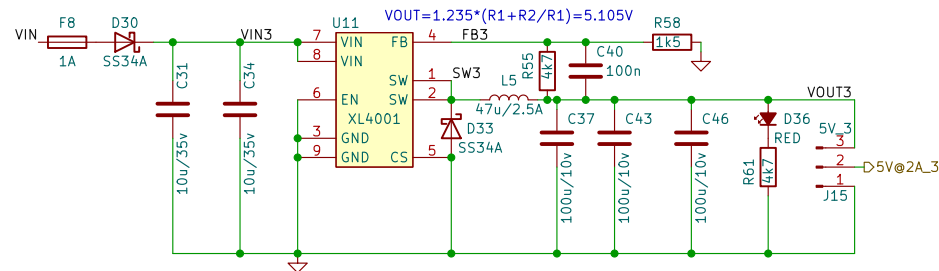
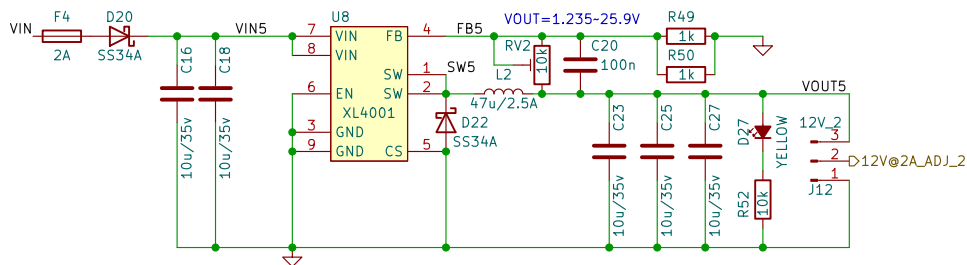
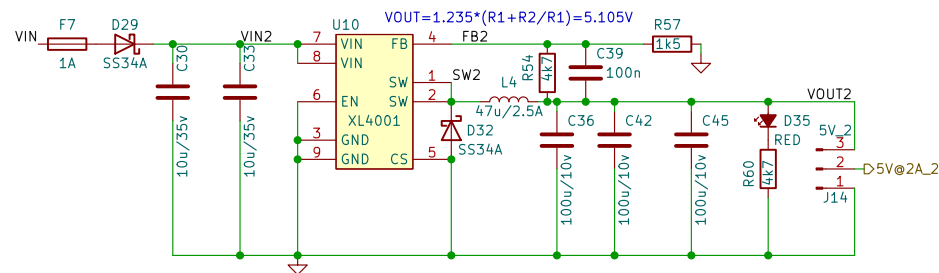
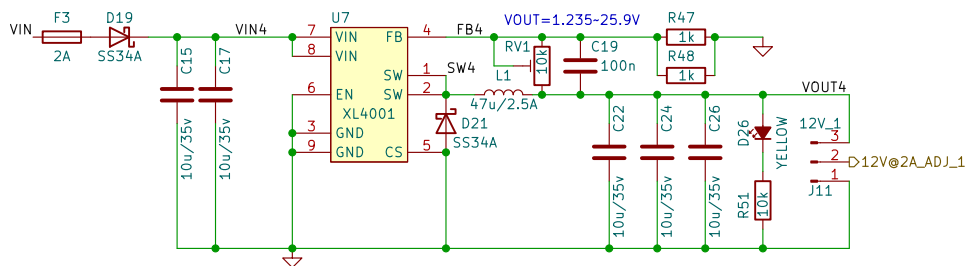
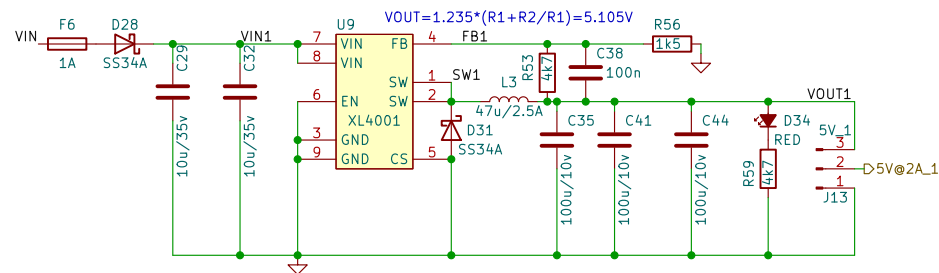
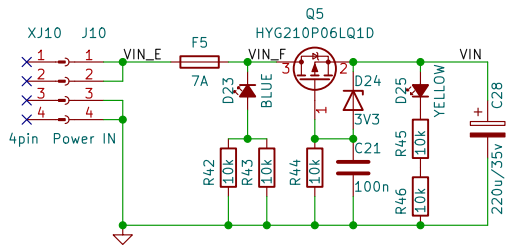
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# Power Distribution

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



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Sheet: /\_POWER/  
File: \_power.kicad\_sch

Title: MagLock

Size: A4 Date: 2022-11-01

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