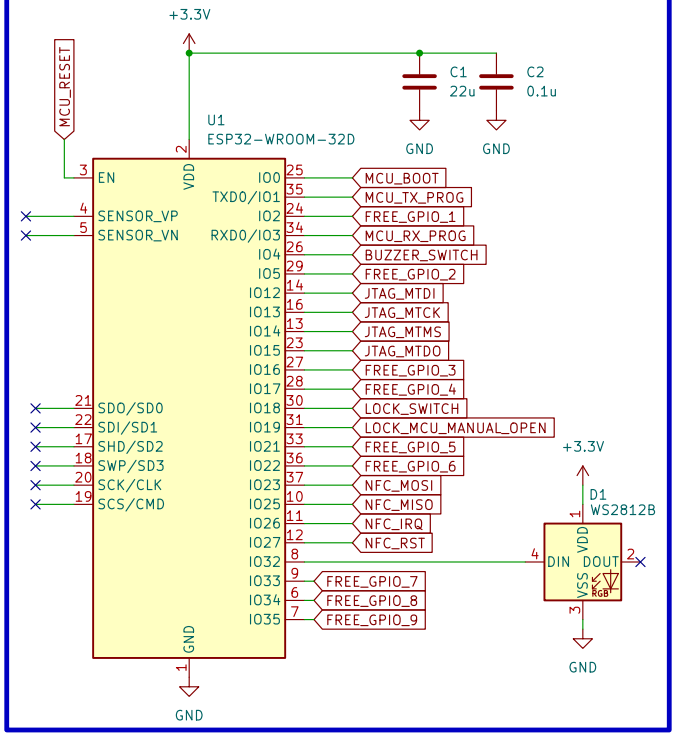
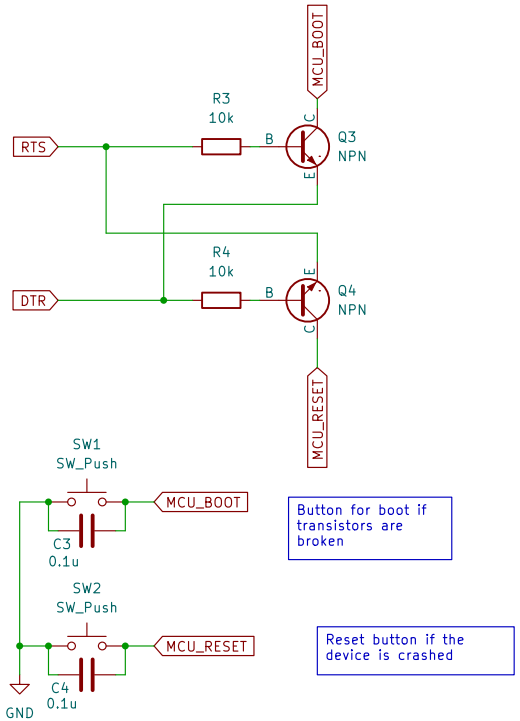
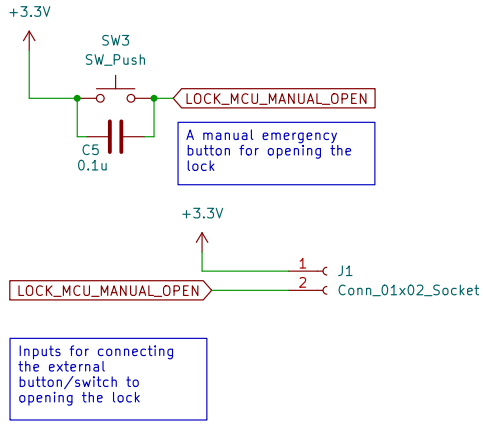
# ESP32 MCU

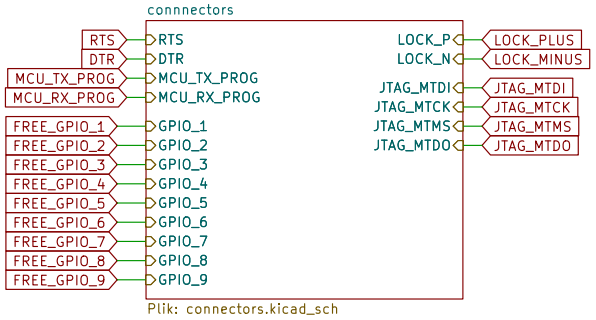


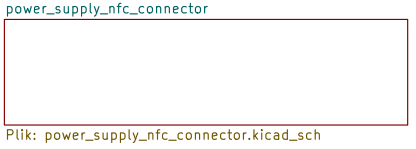

# ESP32 MCU Programmer



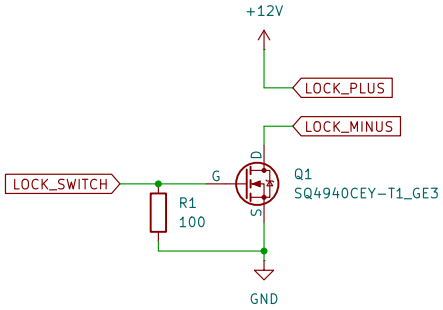

# Lock Manually Opener



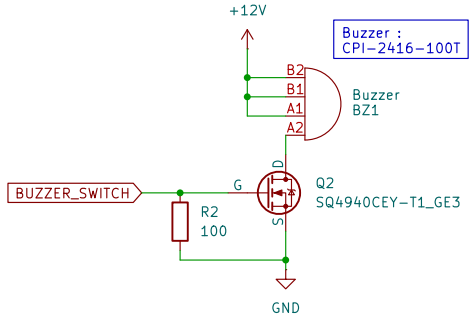




# Lock Controller




# Buzzer Controller





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Sheet: /
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**Title: Onyks Iot Control Cabinet**

| Size: A4 | Date: | Rev: v1.0 |
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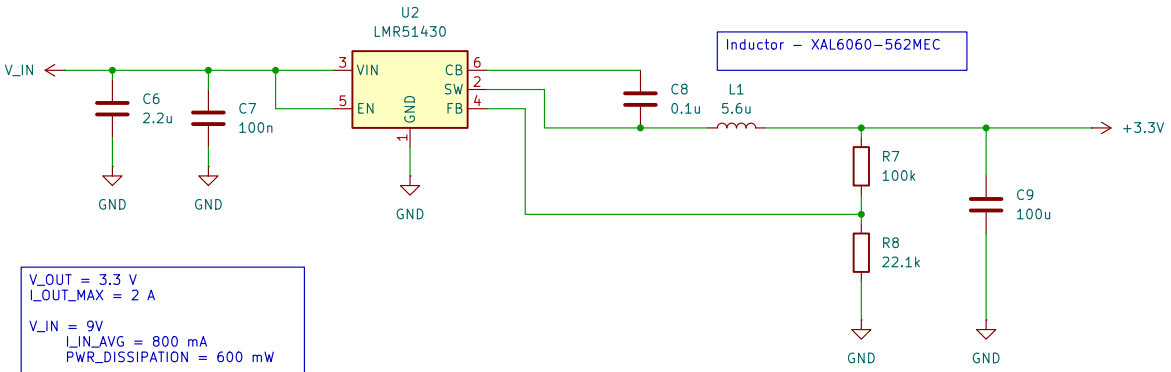
## MCU NFC Power Supply



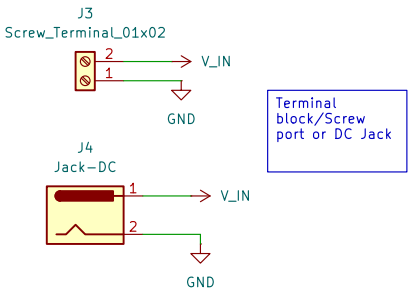

V_OUT = 3.3 V
I_OUT_MAX = 2 A

V_IN = 9V
I_IN_AVG = 800 mA
PWR_DISSIPATION = 600 mW

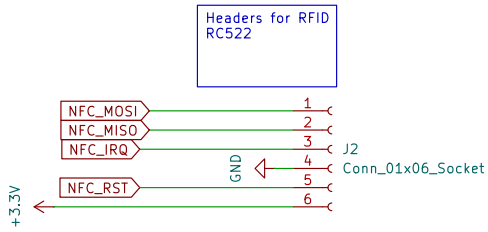
V_IN = 12V
I_IN_AVG = 650 mA
PWR_DISSIPATION = 650 mW

V_IN = 24V
I_IN_AVG = 350 mA
PWR_DISSIPATION = 1 W

## Main Power Supply




## NFC Connector





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Sheet: /power_supply_nfc_connector/
File: power_supply_nfc_connector.kicad_sch

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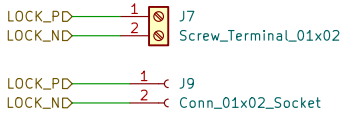
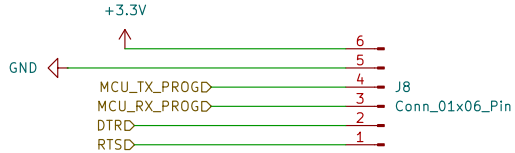
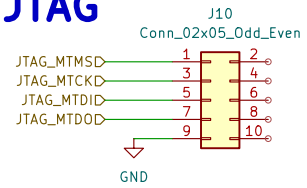
## Lock Connector



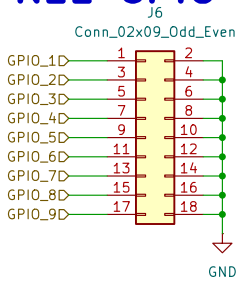

## UART Programmer




## JTAG




## FREE GPIO

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Sheet: /connnectors/
File: connectors.kicad_sch

**Title: Onyks Iot Control Cabinet**

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|---|---|---|
| KiCad E.D.A. 8.0.3 | | Id: 1/3 |