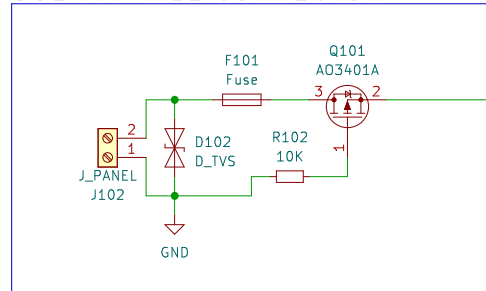
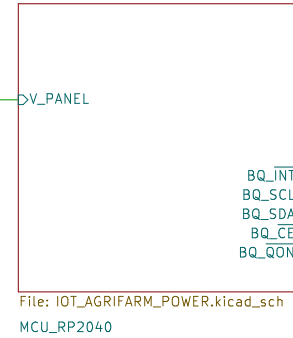


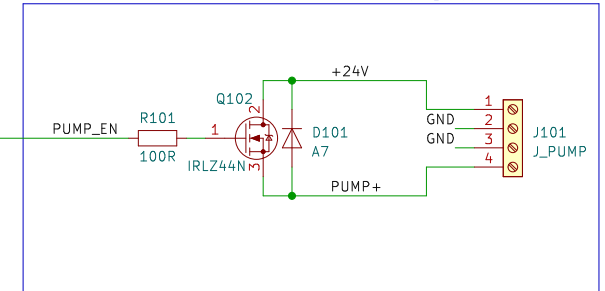
## SOLAR PANEL CONNECTOR



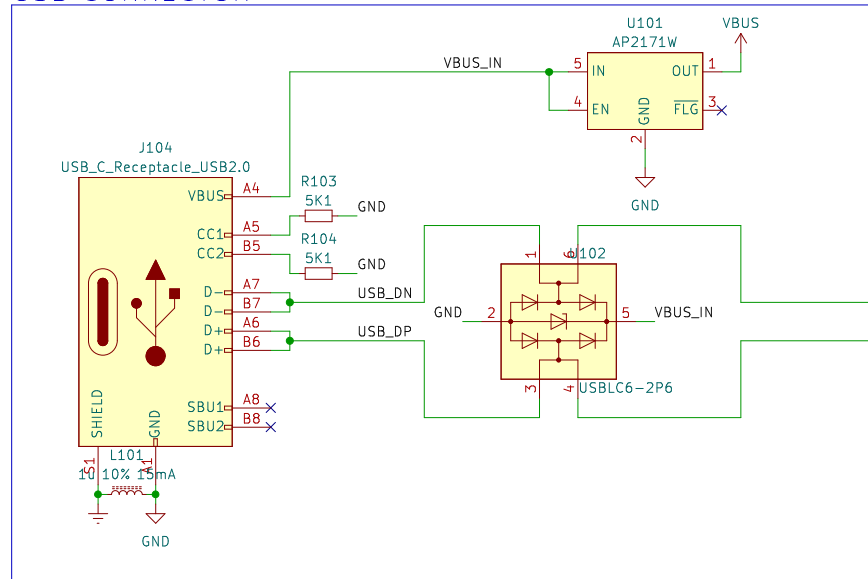
## IOT\_AGRIFARM\_POWER



## PUMP



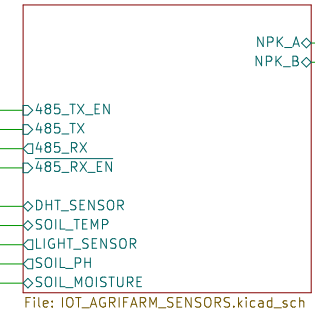
## USB CONNECTOR



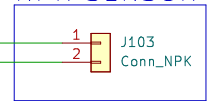
## MCU\_RP2040



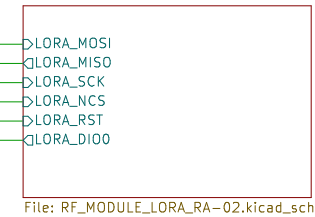
## IOT\_AGRIFARM\_SENSORS



## NPK SENSOR



## RF\_MODULE\_LORA\_RA-02



sudo-junkie

Sheet:

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Title: IoT\_Agrifarm

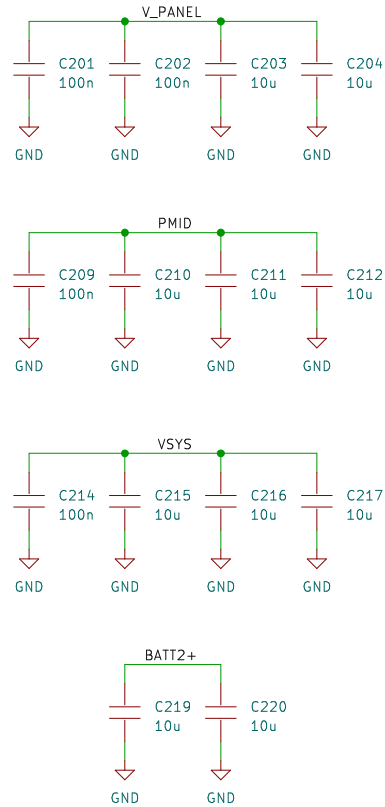
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KiCad E.D.A. kicad (7.0.0)

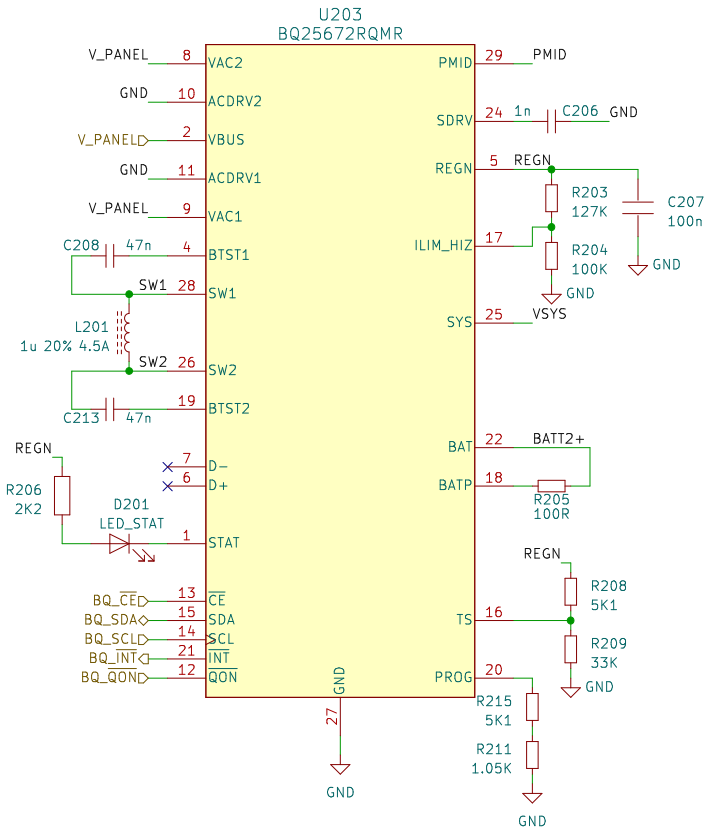
Rev: 1.0

Id: 1/5

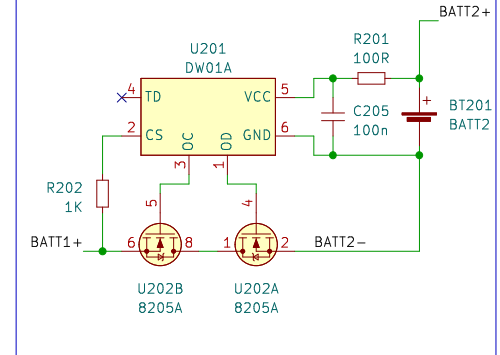
## POWER & DECOUPLING



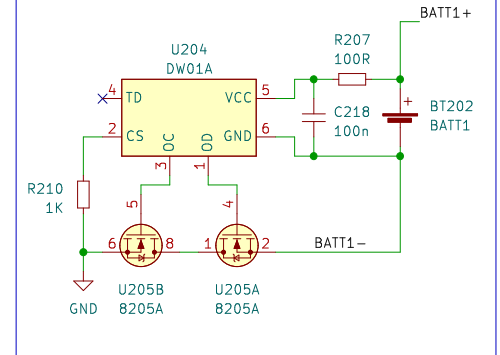
## BQ25672



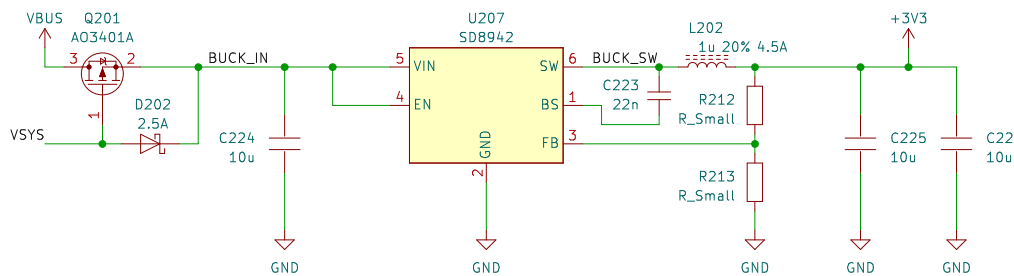
## BATTERY 2



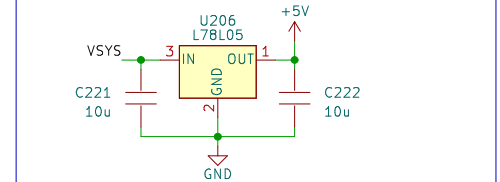
## BATTERY 1



## 3V3 BUCK REGULATOR



## 5V REGULATOR



sudo-junkie

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Title: IoT\_AgriFarm

Size: A4

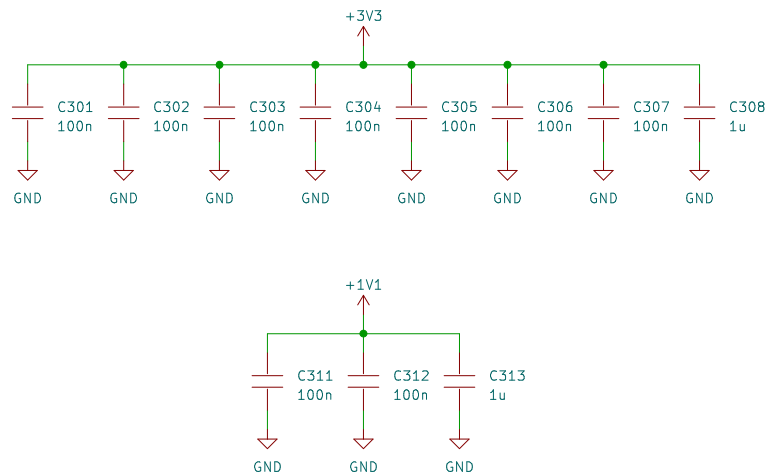
Date: 2023-07-04

KiCad E.D.A. kicad (7.0.0)

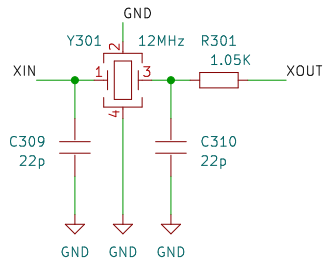
Rev: 1.0

Id: 2/5

## POWER & DECOUPLING



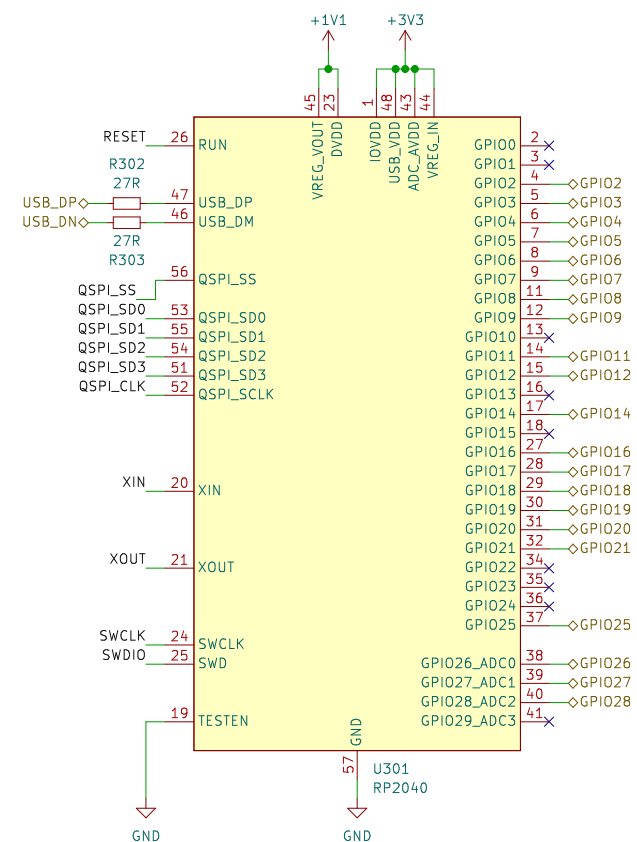
## CRYSTAL



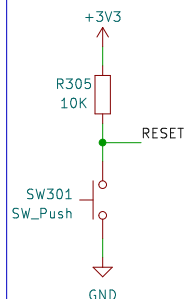
## DEBUG HEADER



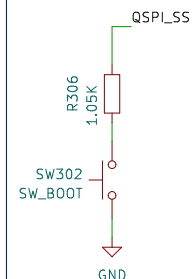
## RP2040



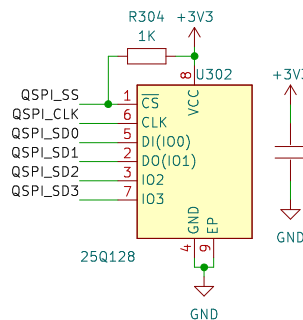
## RESET



## BOOT



## SPI FLASH



sudo-junkie

Sheet:

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Title: IoT\_AgriFarm

Size: A4

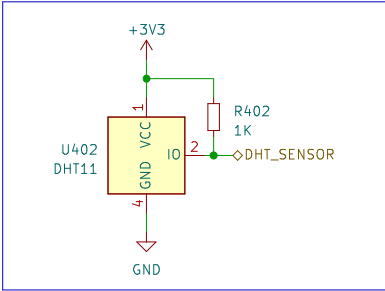
Date: 2023-07-04

KiCad E.D.A. kicad (7.0.0)

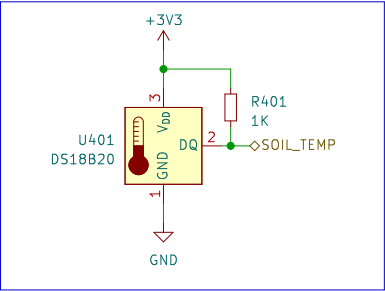
Rev: 1.0

Id: 3/5

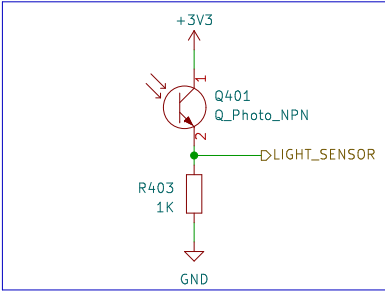
TEMP & HUMIDITY



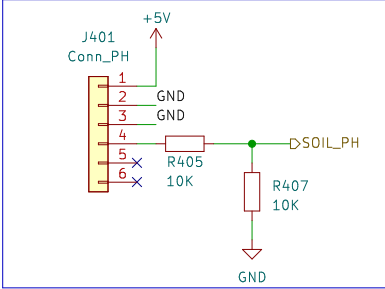
SOIL TEMPERATURE



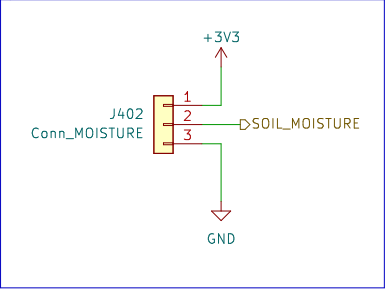
LIGHT SENSOR



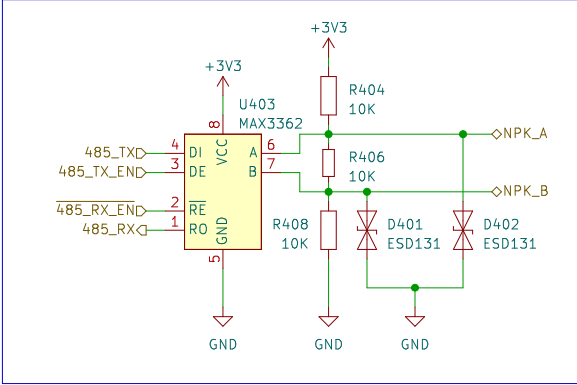
PH SENSOR



SOIL MOISTURE



NPK SENSOR 485 INTERFACE



sudo-junkie

Sheet:

File: IOT\_AGRIFARM\_SENSORS.kicad\_sch

Title: IoT\_AgriFarm

Size: A4

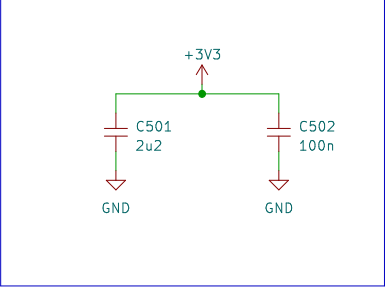
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Rev: 1.0

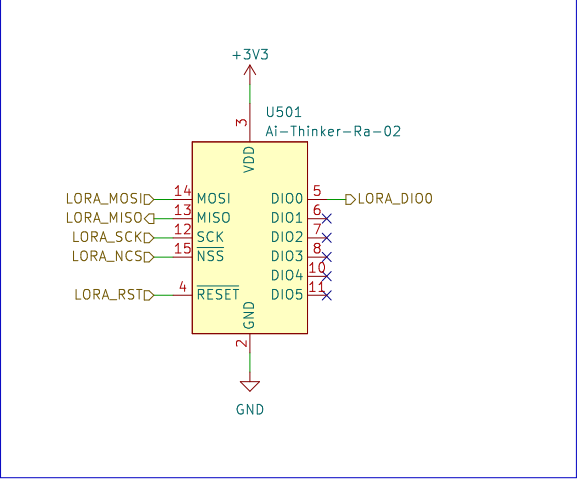
KiCad E.D.A. kicad (7.0.0)

Id: 4/5

POWER & DECOUPLING



LORA RA-01



sudo-junkie

Sheet:  
File: RF\_MODULE\_LORA\_RA-02.kicad\_sch

Title: IoT\_AgriFarm

Size: A4 Date: 2023-07-04

KiCad E.D.A. kicad (7.0.0)

Rev: 1.0

Id: 5/5