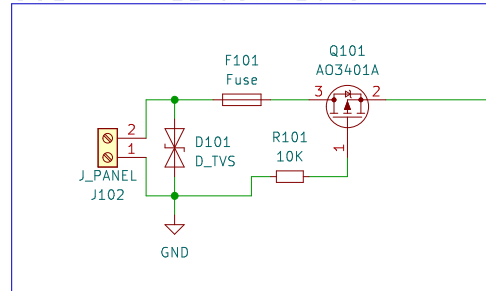
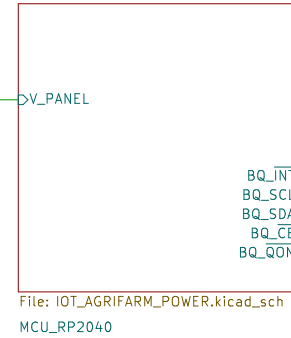


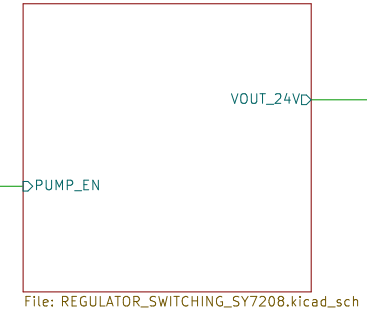
SOLAR PANEL CONNECTOR



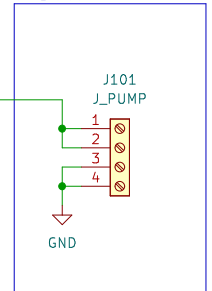
IOT_AGRIFARM_POWER



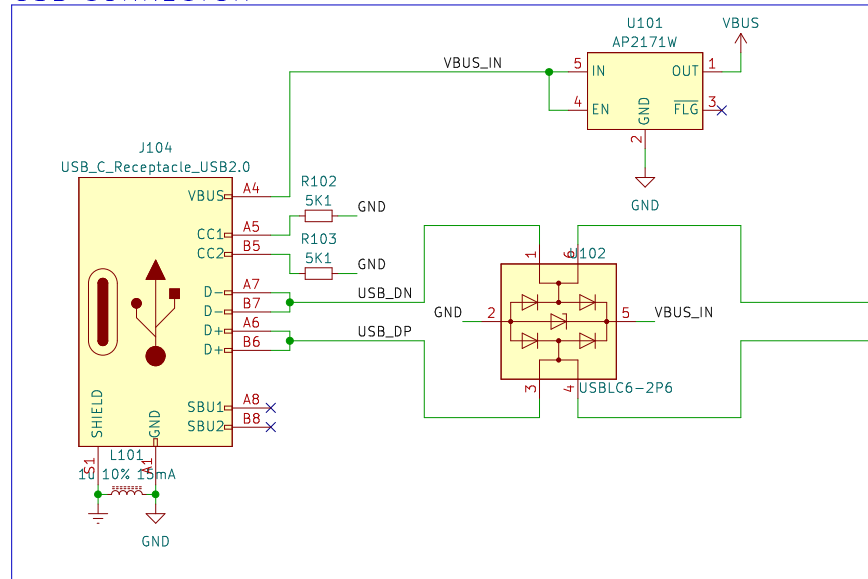
REGULATOR_SWITCHING_SY7208



PUMP



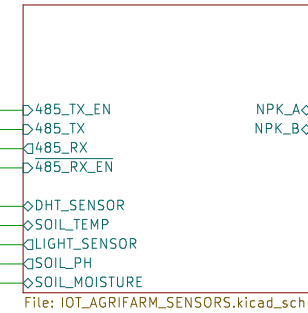
USB CONNECTOR



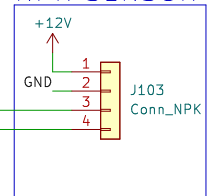
MCU_RP2040



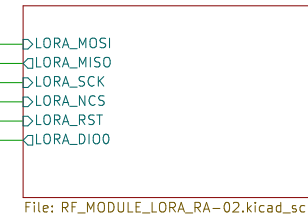
IOT_AGRIFARM_SENSORS



NPK SENSOR



RF_MODULE_LORA_RA-02



sudo-junkie

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Title: IoT_Agrifarm

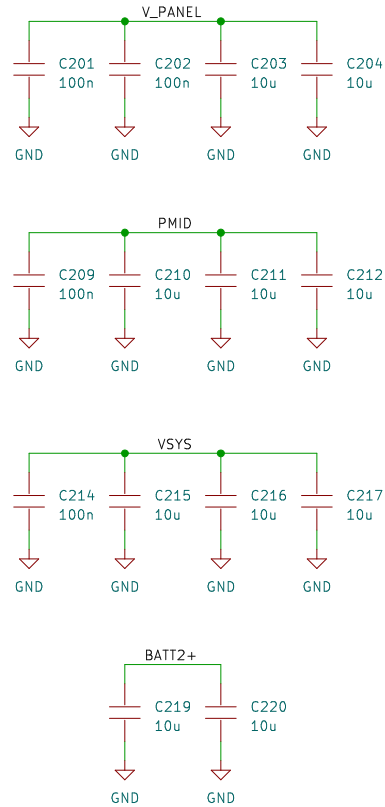
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KiCad E.D.A. kicad (7.0.0)

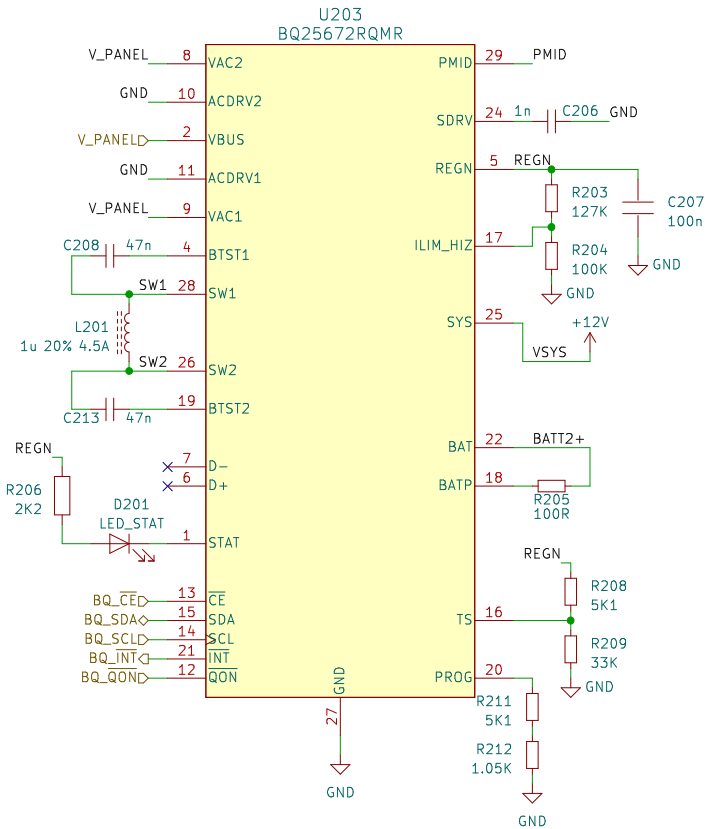
Rev: 2.0

Id: 1/6

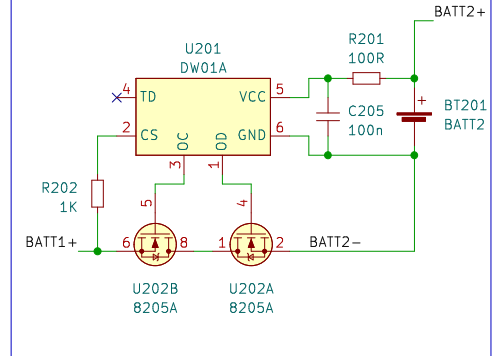
POWER & DECOUPLING



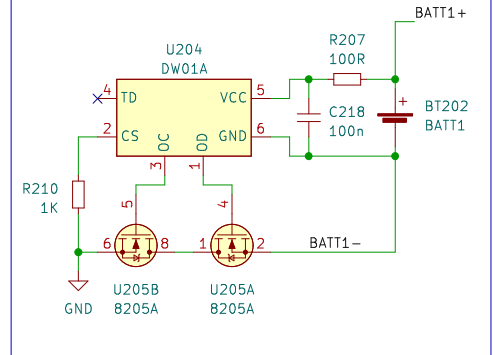
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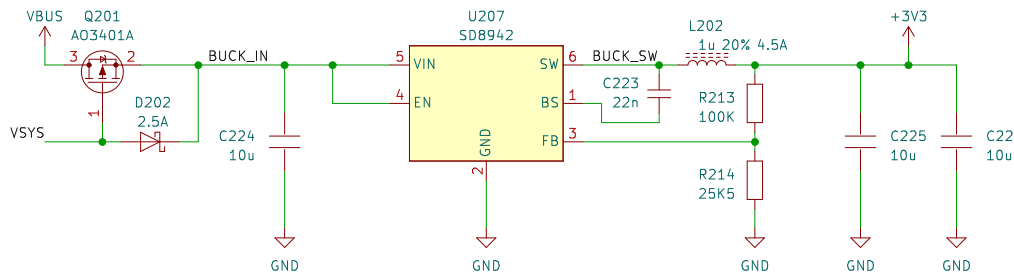
BATTERY 2



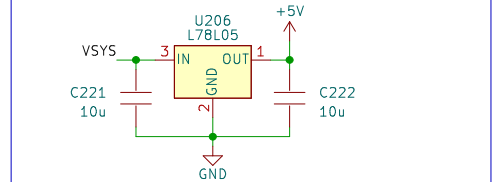
BATTERY 1



3V3 BUCK REGULATOR



5V REGULATOR



sudo-junkie

Sheet:

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Title: IoT_AgriFarm

Size: A4

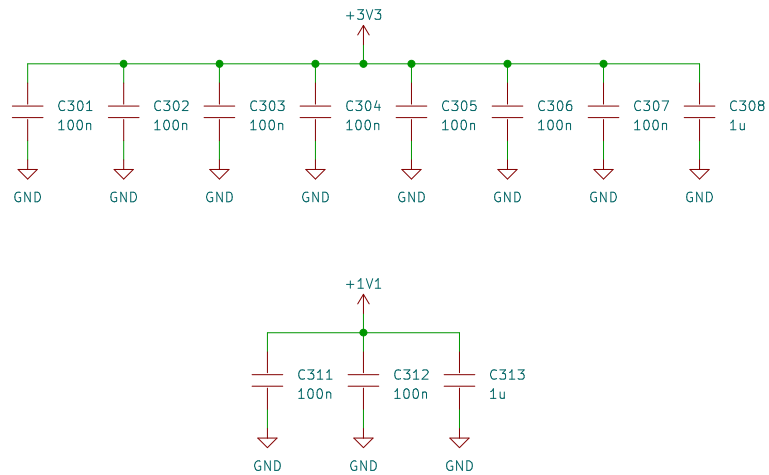
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KiCad E.D.A. kicad (7.0.0)

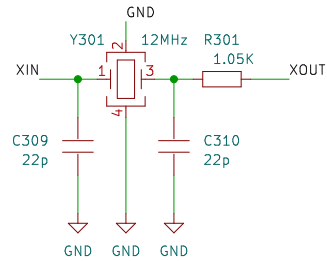
Rev: 2.0

Id: 2/6

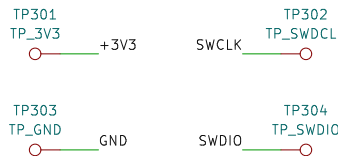
POWER & DECOUPLING



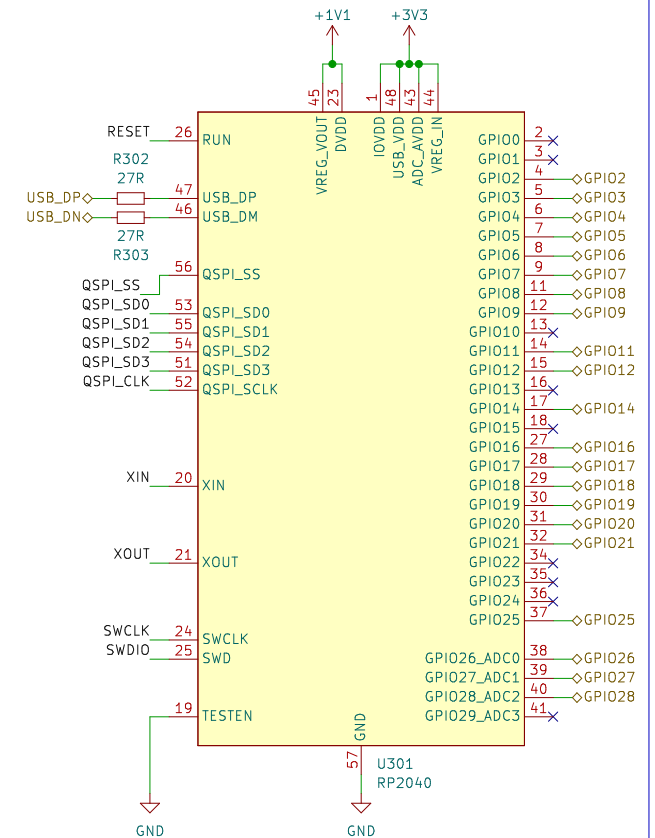
CRYSTAL



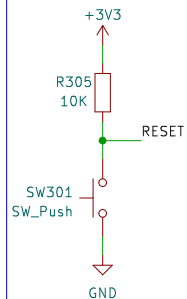
DEBUG HEADER



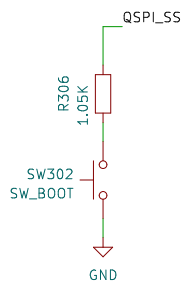
RP2040



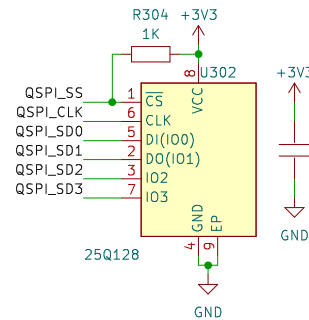
RESET



BOOT



SPI FLASH



sudo-junkie

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Title: IoT_AgriFarm

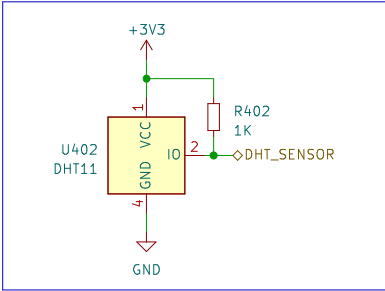
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KiCad E.D.A. kicad (7.0.0)	

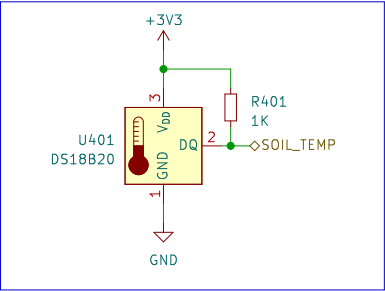
Rev: 2.0

Id: 3/6

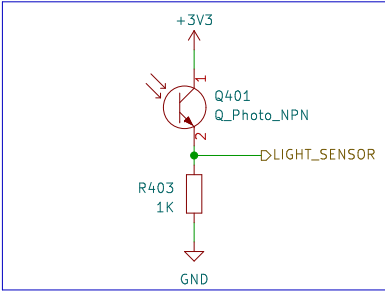
TEMP & HUMIDITY



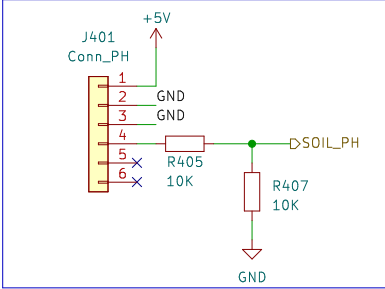
SOIL TEMPERATURE



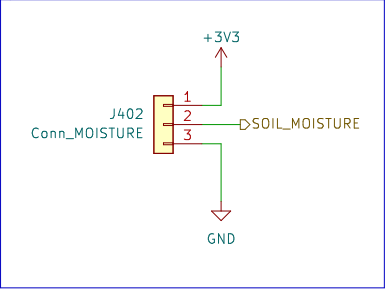
LIGHT SENSOR



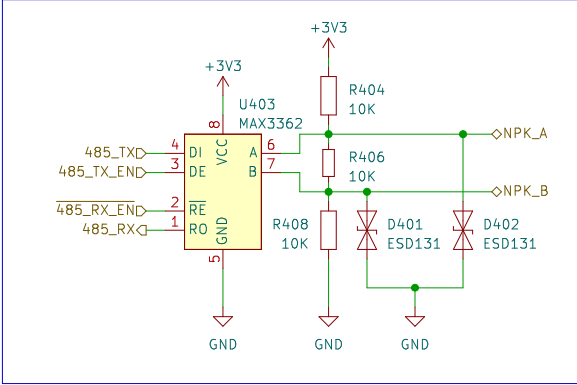
PH SENSOR



SOIL MOISTURE



NPK SENSOR 485 INTERFACE



sudo-junkie

Sheet:

File: IOT_AGRIFARM_SENSORS.kicad_sch

Title: IoT_AgriFarm

Size: A4

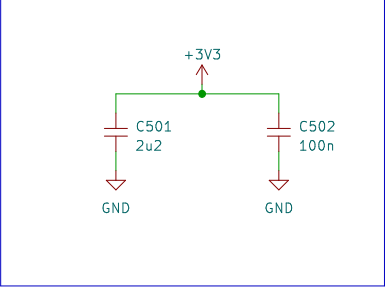
Date: 2023-07-06

Rev: 2.0

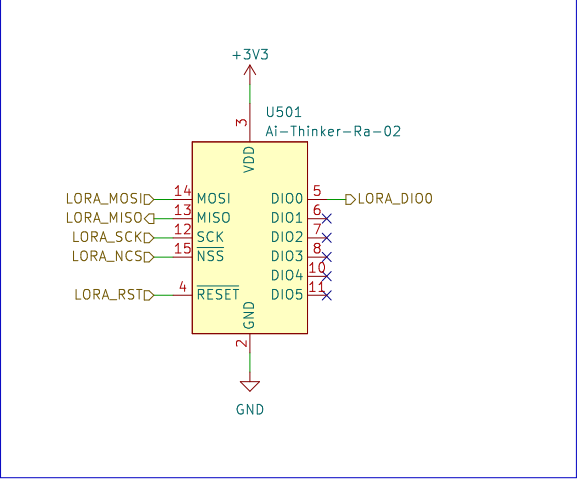
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Id: 4/6

POWER & DECOUPLING



LORA RA-01



sudo-junkie

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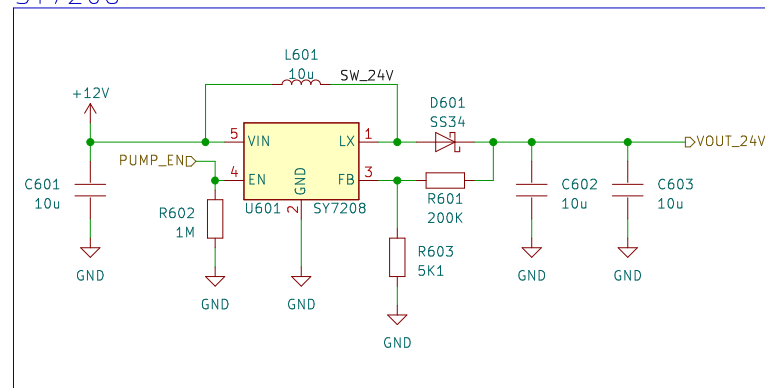
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KiCad E.D.A. kicad (7.0.0)

Rev: 2.0

Id: 5/6

SY7208



sudo-junkie

Sheet:

File: REGULATOR_SWITCHING_SY7208.kicad_sch

Title: IoT_AgriFarm

Size: A4

Date: 2023-07-06

Rev: 2.0

KiCad E.D.A. kicad (7.0.0)

Id: 6/6