

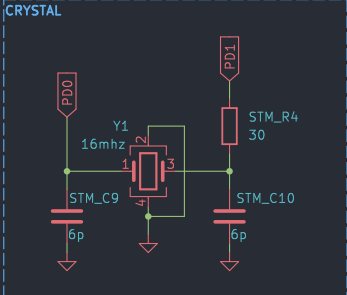
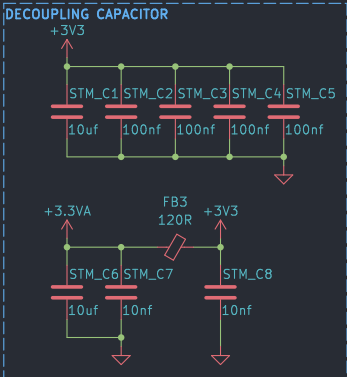
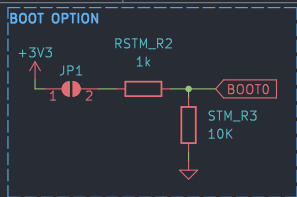
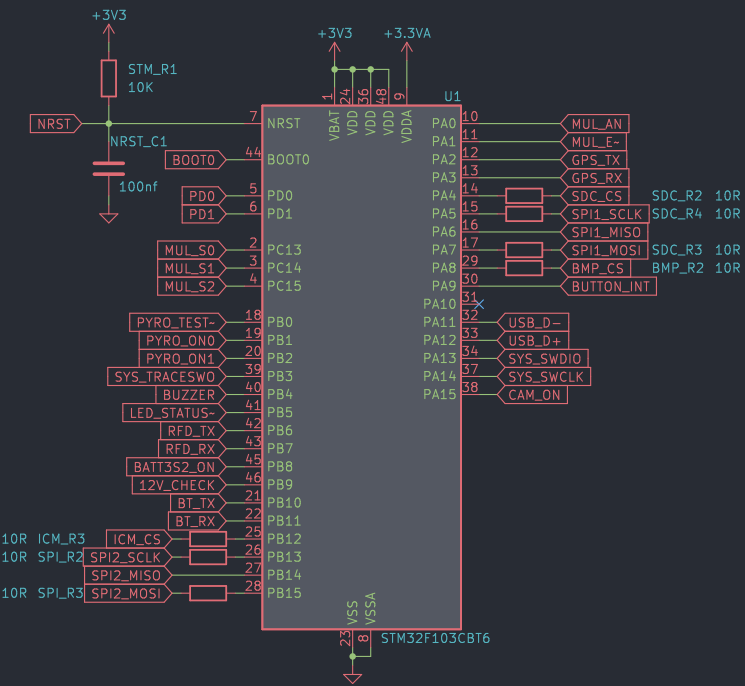
STM32 MAIN BOARD V1

Sensor

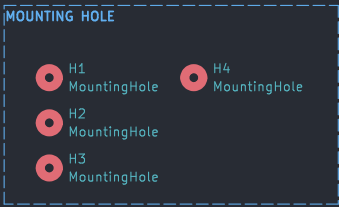
Io

Power

Pyro_MuL



NOTE:
LYPO USE:
1S FOR STM32
3S FOR RDF900
3S FOR CAM (NOT ON THIS SCHEMATIC)
3S FOR PYRO



Prototype main board inboard
Gaul

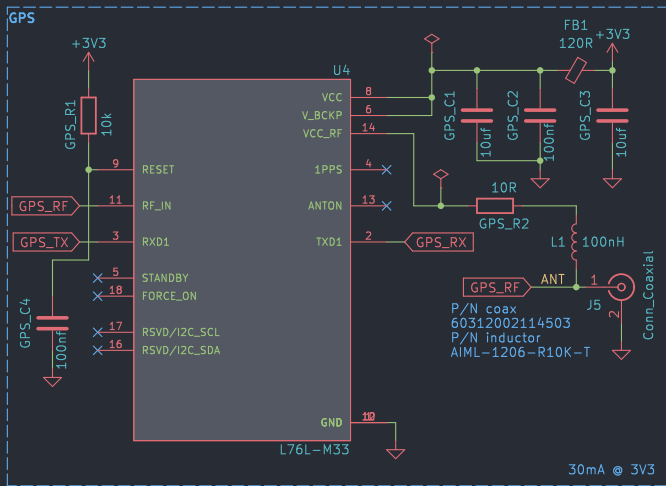
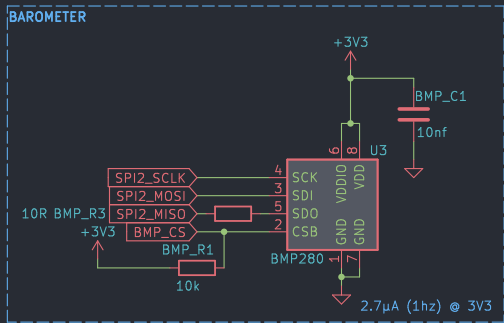
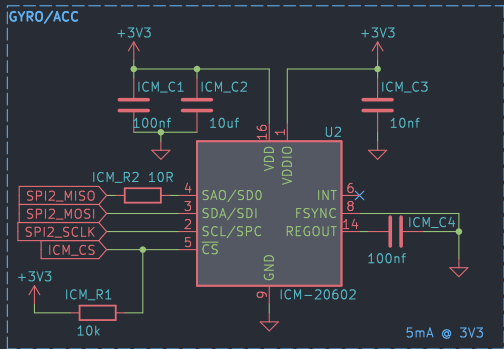
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File: main.kicad_sch

Title: Main

Size: A4 | Date: 2023-09-03
KiCad E.D.A. kicad 7.0.7

Rev: 1
Id: 1/5

SENSOR



Gaul

Sheet: /Sensor/
File: sensor.kicad_sch

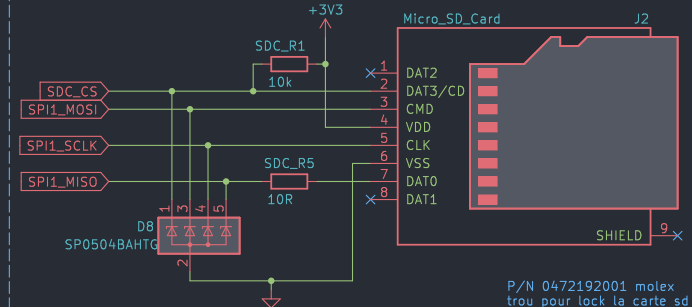
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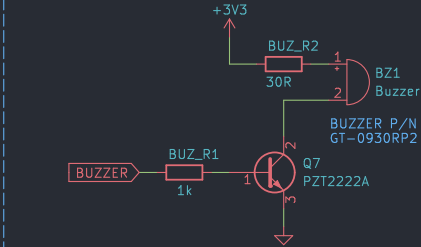
Rev: 1
Id: 2/5

I/O PERIPHERAL

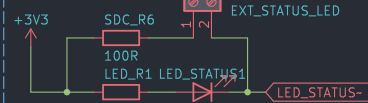
SD CARD



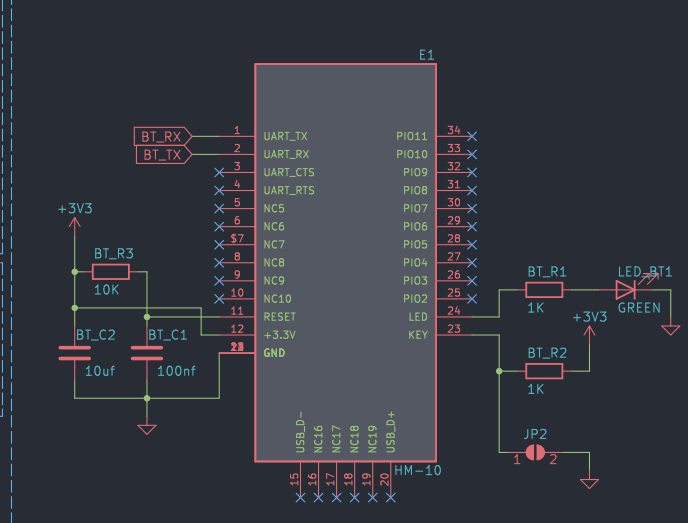
BUZZER



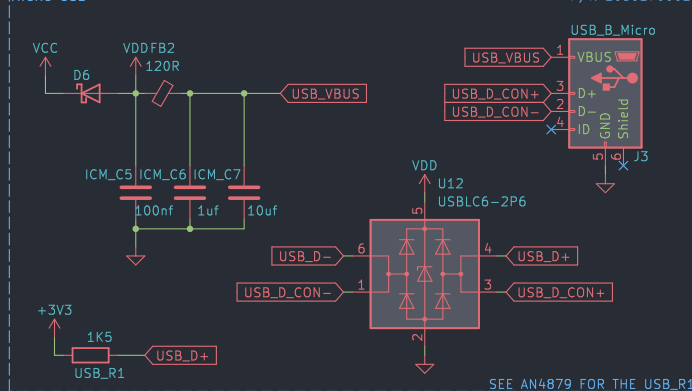
LED STATUS



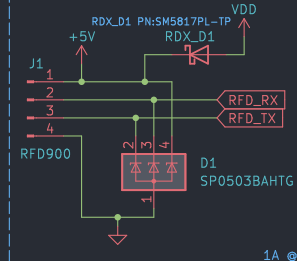
BLUETOOTH



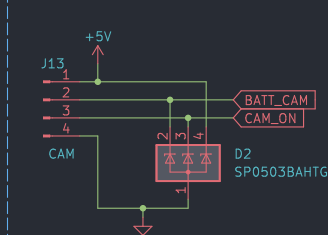
MICRO USB



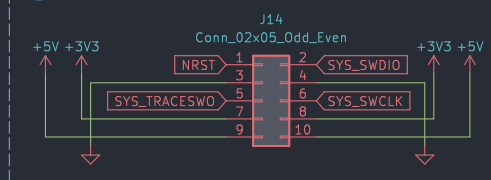
RFD900X CONNECTOR



CAM BOARD CONNECTOR



SYS_SW CONNECTOR



This is block of some i/o peripheral

Gaul

Sheet: /lo/

File: io.kicad_sch

Title: I/O

Size: A4

Date: 2023-09-03

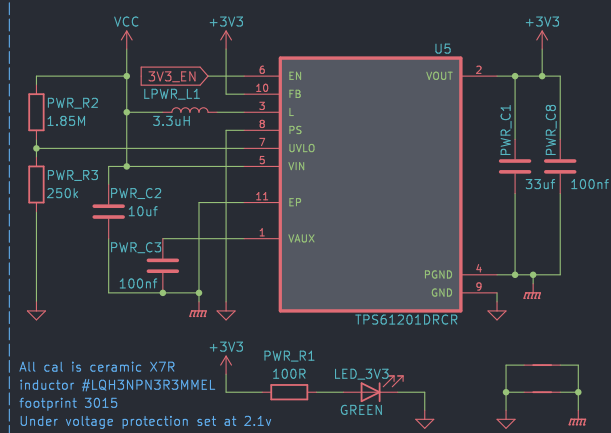
KiCad E.D.A. kicad 7.0.7

Rev: 1

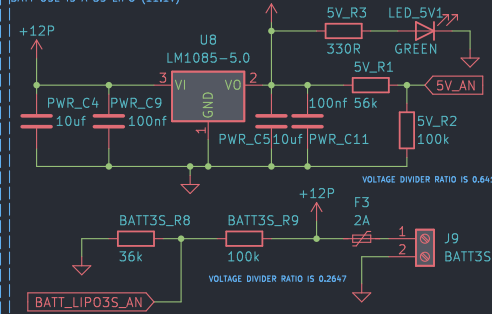
Id: 3/5

POWER SUPPLY AND ISOLATION

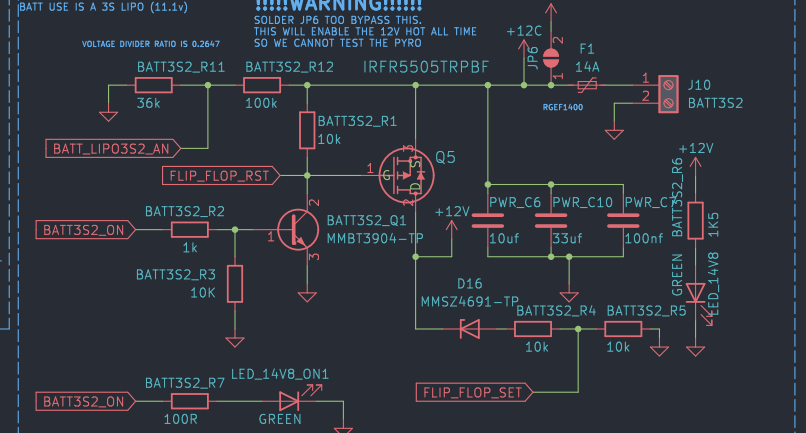
SWITCHING POWER SUPPLY 3V3



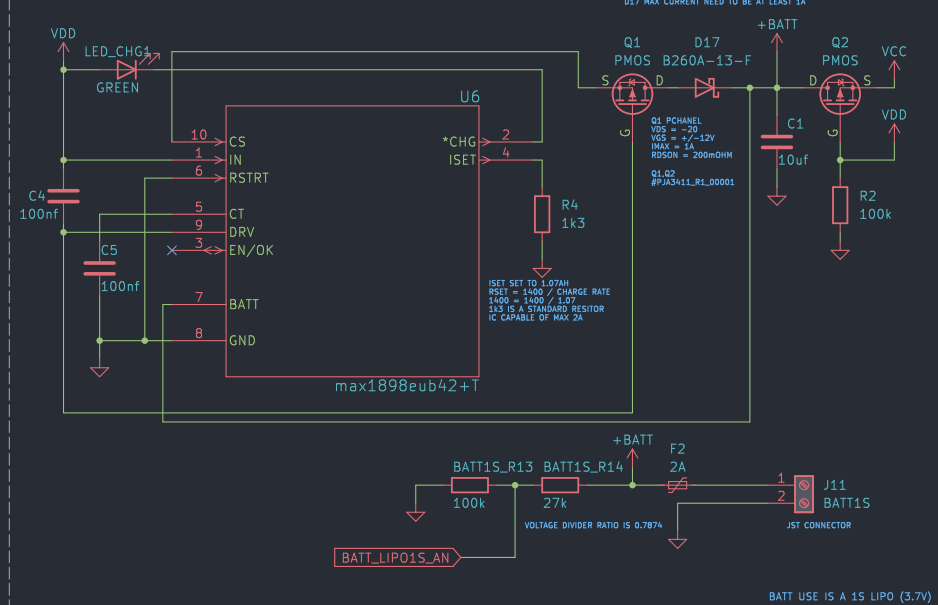
5V REGULATOR



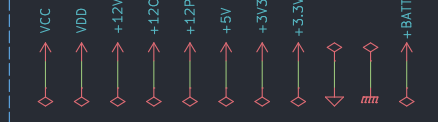
12V ISOLATION



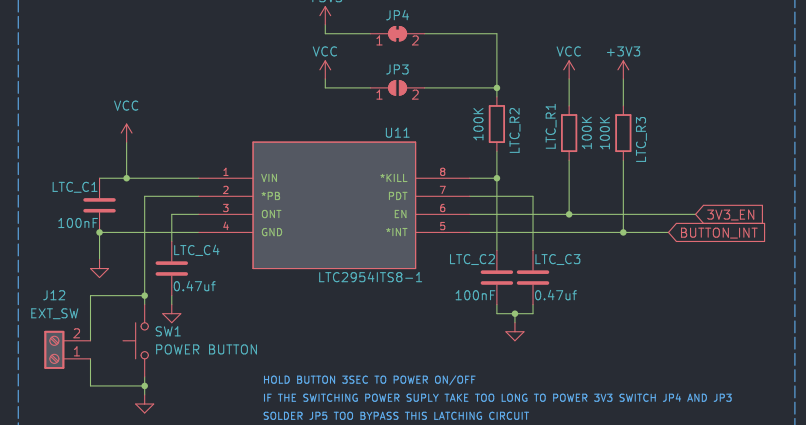
CHARGING CIRCUIT AND USB ISOLATION



POWER FLAG



POWER SWITCH



Gaul

Sheet: /Power/
File: power.kicad_sch

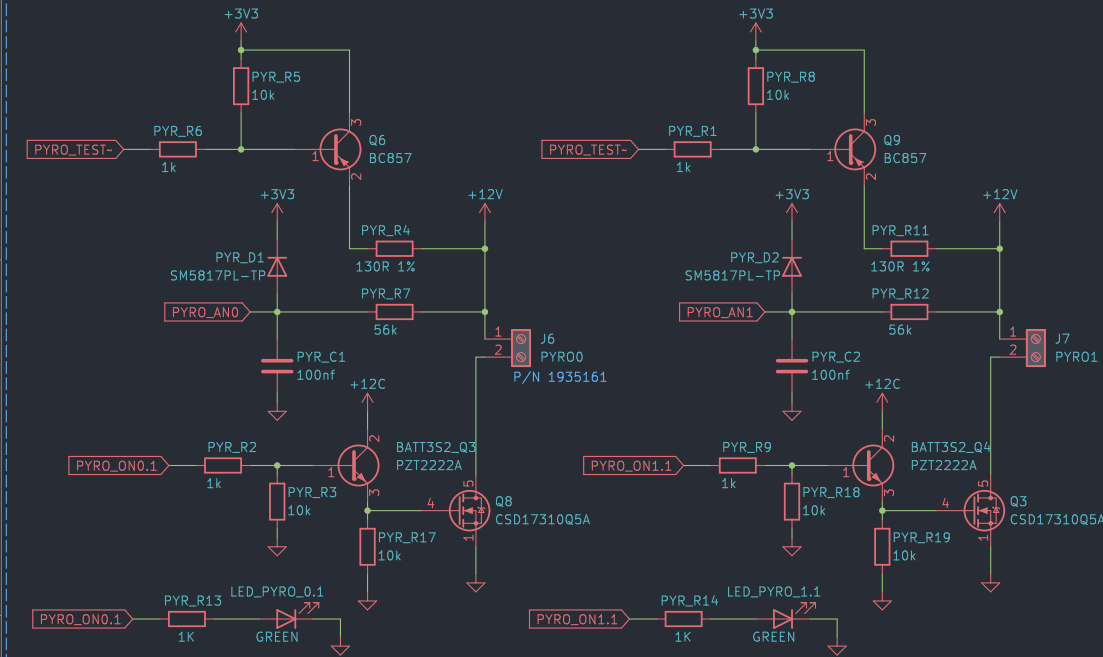
Title: Power supply

Size: A4 Date: 2023-09-03
KiCad E.D.A. kicad 7.0.7

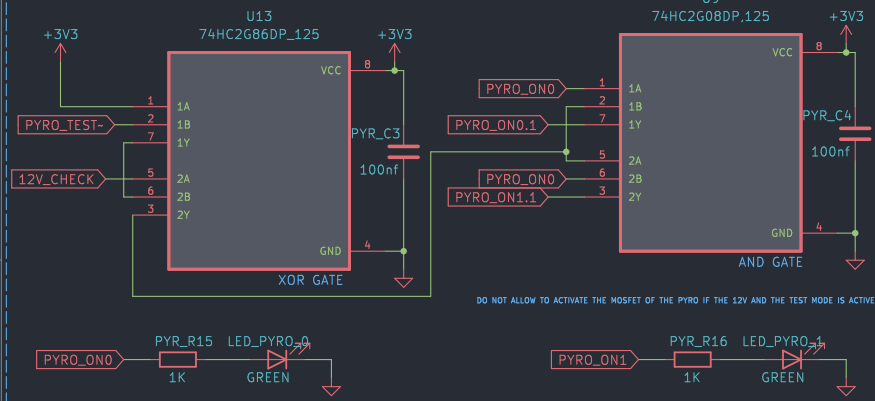
Rev: 1
Id: 4/5

PYRO AND MULTIPLEX

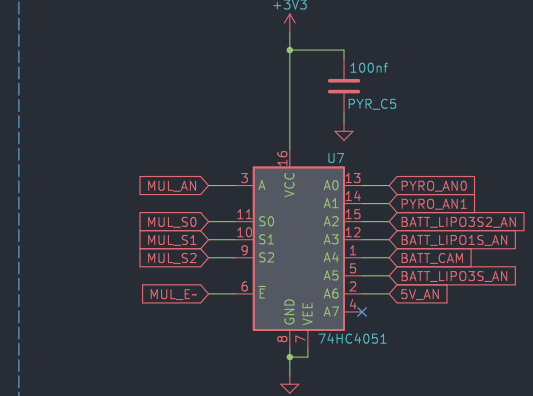
PYRO CIRCUIT



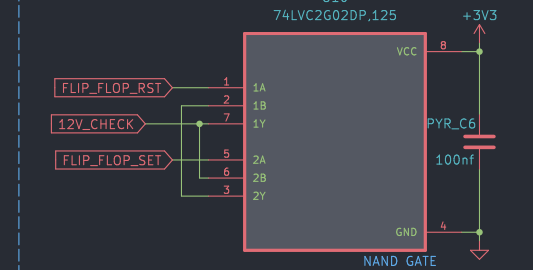
PROTECTION CIRCUIT FOR PYRO



MULTIPLEXER ANALOG



FLIP FLOP



Sheet: /Pyro_MuL/
File: pyro.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad 7.0.7

Date:

Rev:
Id: 5/5