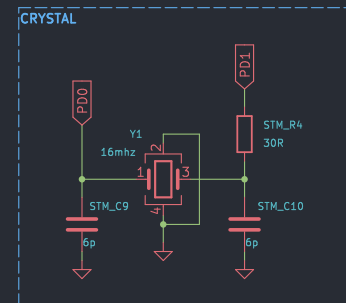
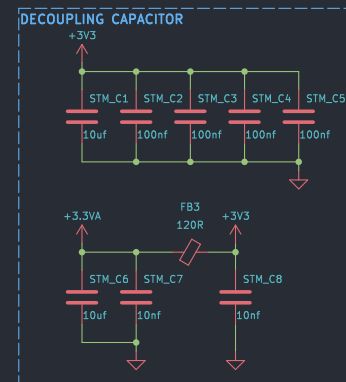
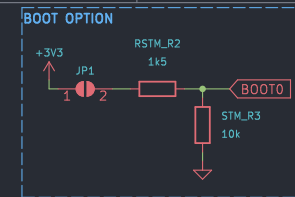
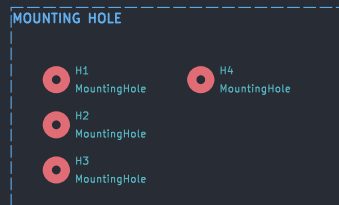


```
graph LR; Sensor[Sensor] --> Io[Io]; Io --> Power[Power]; Power --> Pyro_MuL[Pyro_MuL];
```

The diagram illustrates a sequential data flow process. It begins with a box labeled 'Sensor' at the top. A horizontal arrow points from 'Sensor' to a box labeled 'Io'. From 'Io', another horizontal arrow points to a box labeled 'Power'. Finally, a horizontal arrow points from 'Power' to a box labeled 'Pyro\_MuL' at the bottom. All boxes are white with black text, and the arrows are black lines.



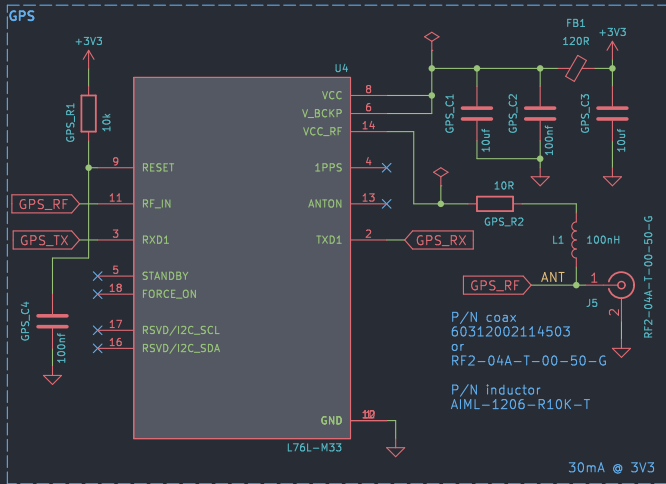
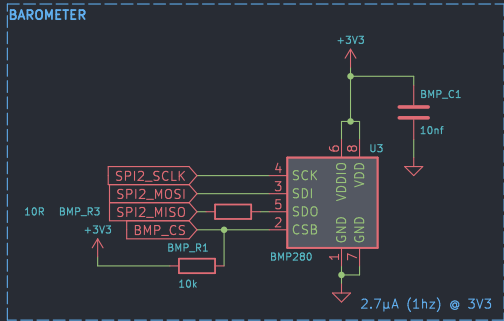
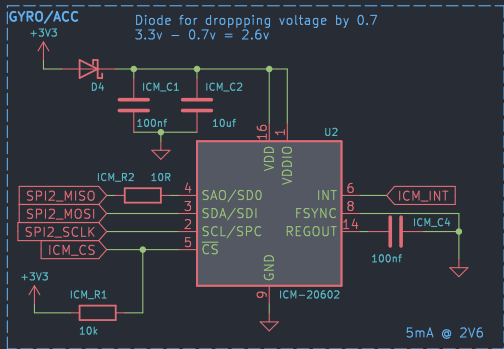
NOTE:  
LYPO USE:  
1S FOR STM32  
3S FOR RDF900  
3S FOR CAM (NOT ON THIS SCHEMATIC)  
3S FOR PYRO



Title: Main

Rev: 1  
Id: 1/5

SENSOR



Gaul

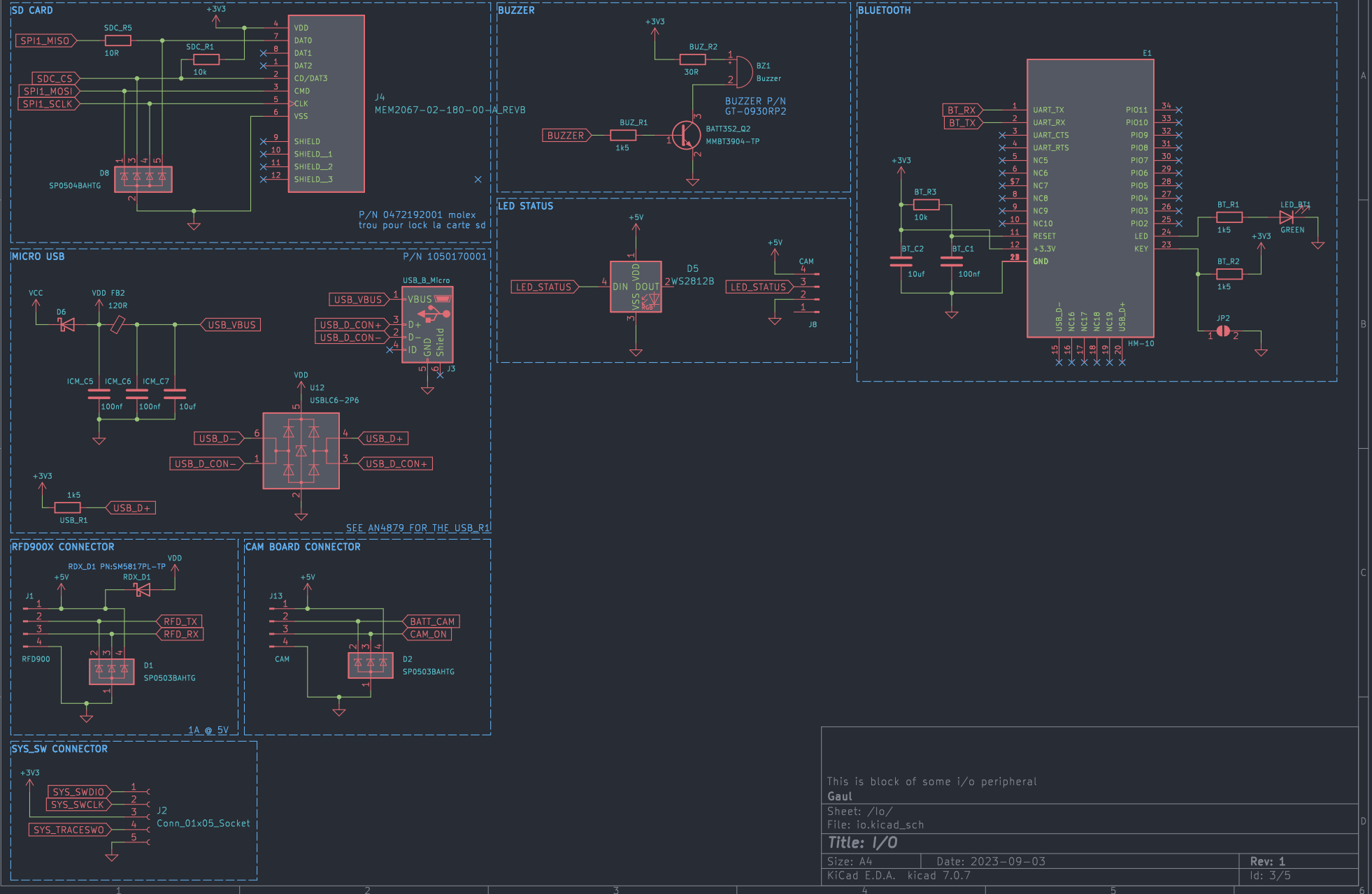
Sheet: /Sensor/  
File: sensor.kicad\_sch

Title: Sensor

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

Rev: 1  
Id: 2/5

# I/O PERIPHERAL



This is block of some i/o peripheral

Gaul

Sheet: /lo/

File: io.kicad\_sch

**Title: I/O**

Size: A4

Date: 2023-09-03

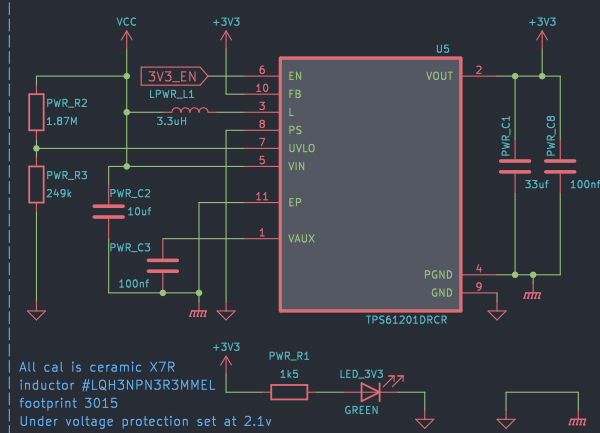
KiCad E.D.A. kicad 7.0.7

Rev: 1

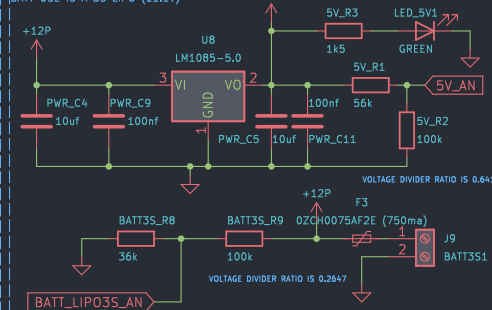
Id: 3/5

# POWER SUPPLY AND ISOLATION

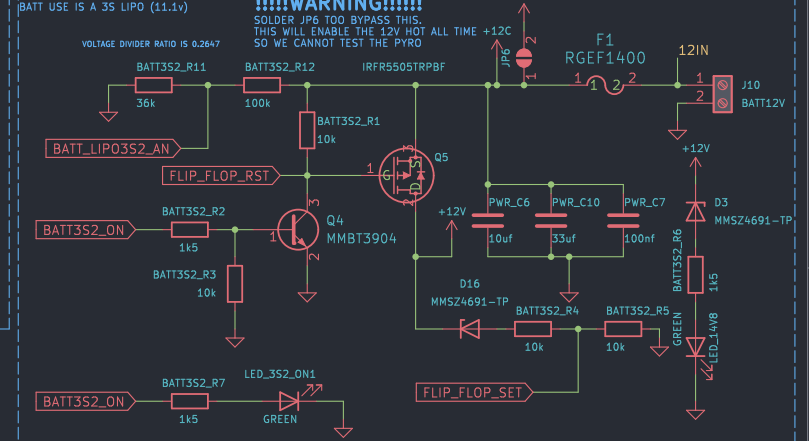
## SWITCHING POWER SUPPLY 3V3



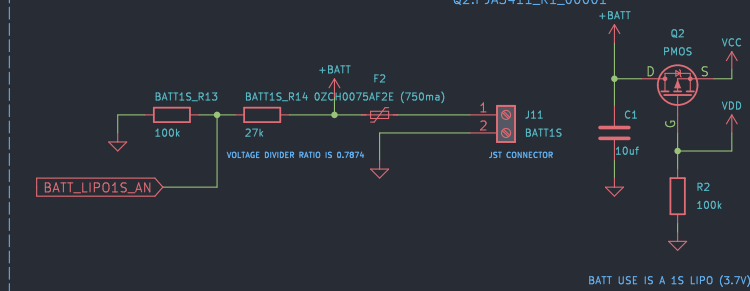
## 5V REGULATOR



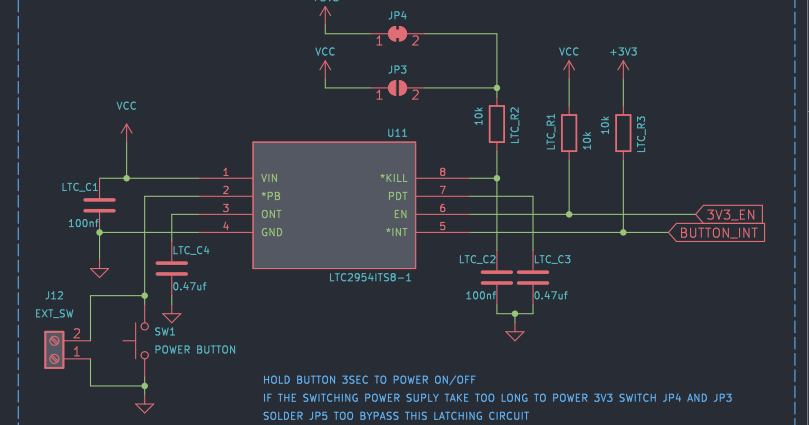
## 12V ISOLATION



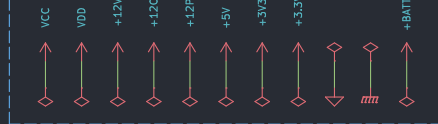
## BATT AND USB ISOLATION



## POWER SWITCH



## POWER FLAG



Gaul

Sheet: /Power/  
File: power.kicad\_sch

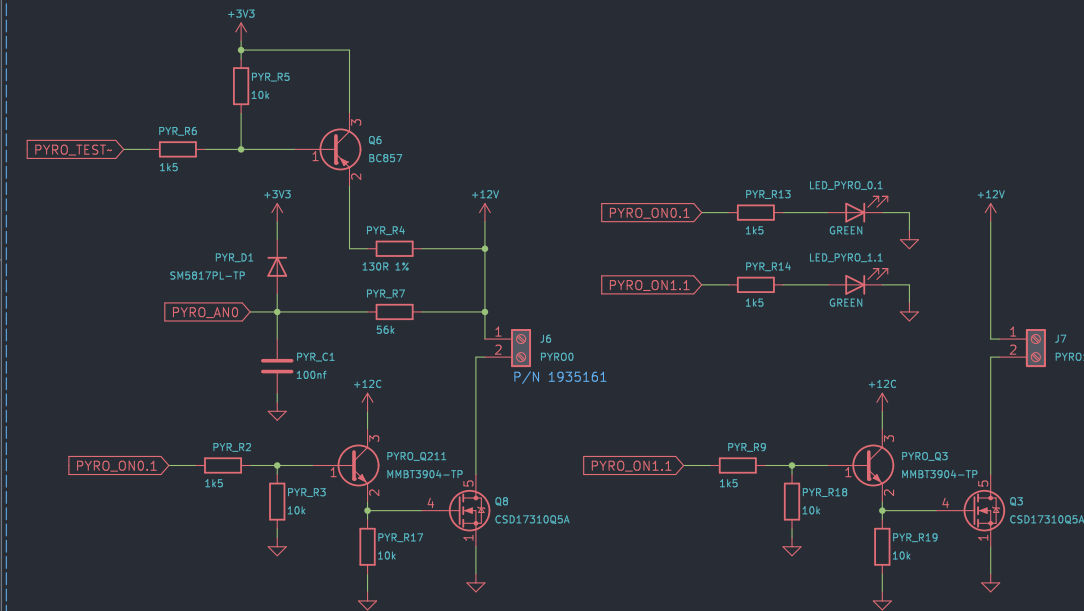
Title: Power supply

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

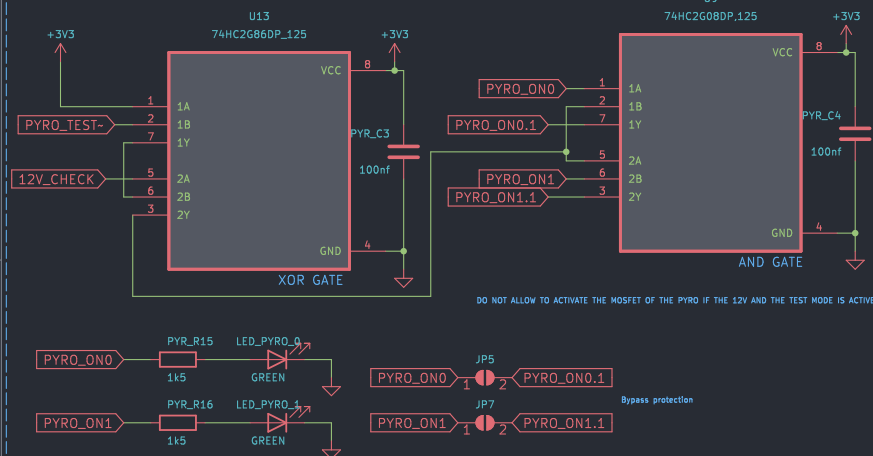
Rev: 1  
Id: 4/5

# PYRO AND MULTIPLEX

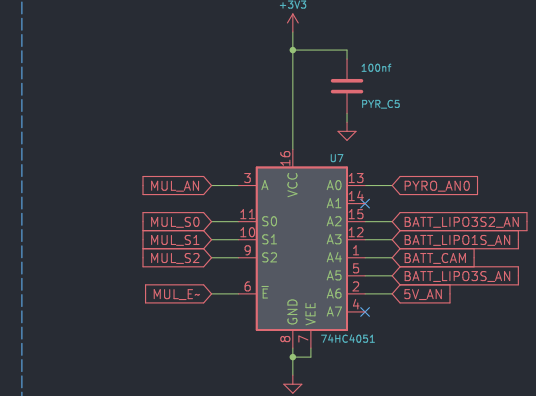
## PYRO CIRCUIT



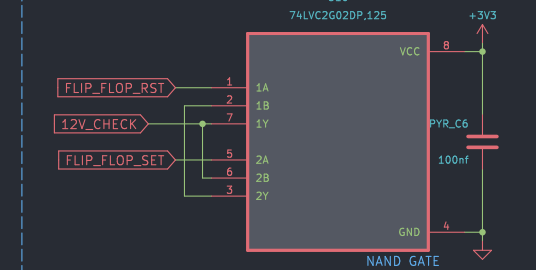
## PROTECTION CIRCUIT FOR PYRO



## 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