

Designed by Martin Tavoda  
ALPS Electric Czech, s.r.o.

Sheet: /PHY/  
File: PHY.kicad\_sch

**Title: Safety Ride Radar Sensor**

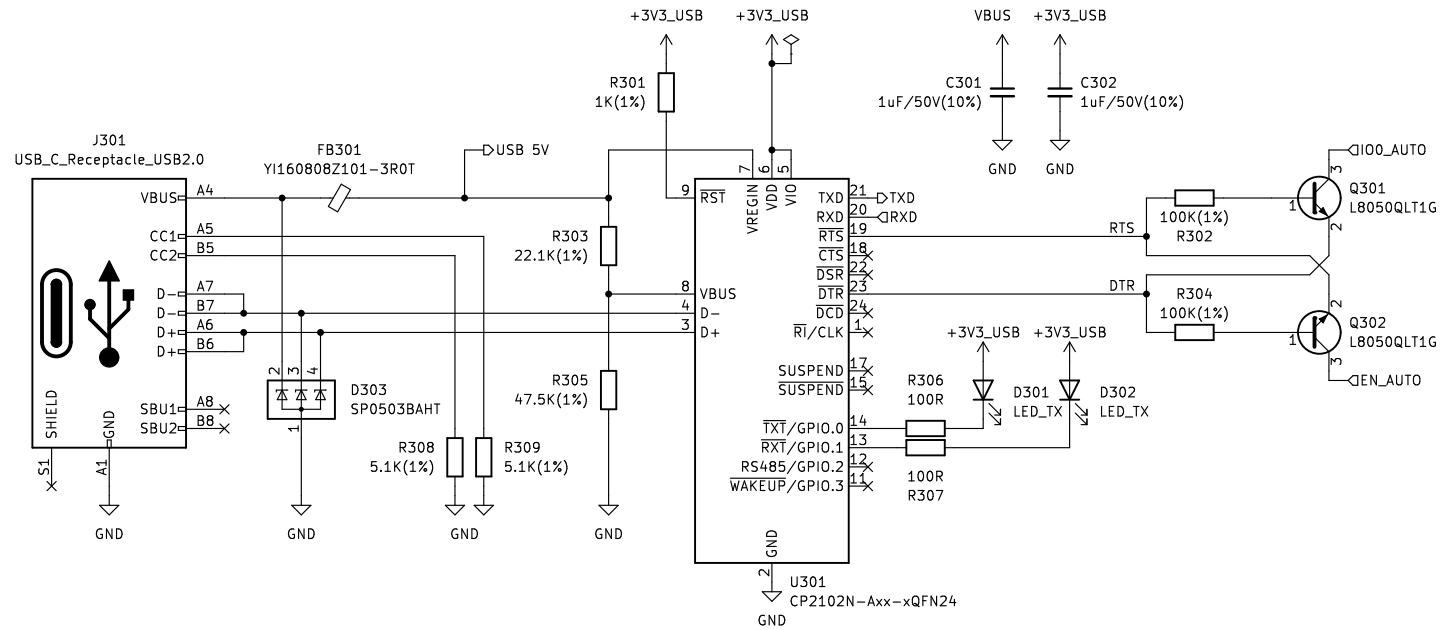
Size: A4 Date: 2023-11-18

KiCad E.D.A. kicad 7.0.9

Rev: Rev.: WIP

Id: 2/8

Notes:  
+3V3\_USB – local net only for CP2102  
VBUS – 5V net from USB to power multiplexer



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Sheet: /USB/  
File: USB.kicad\_sch

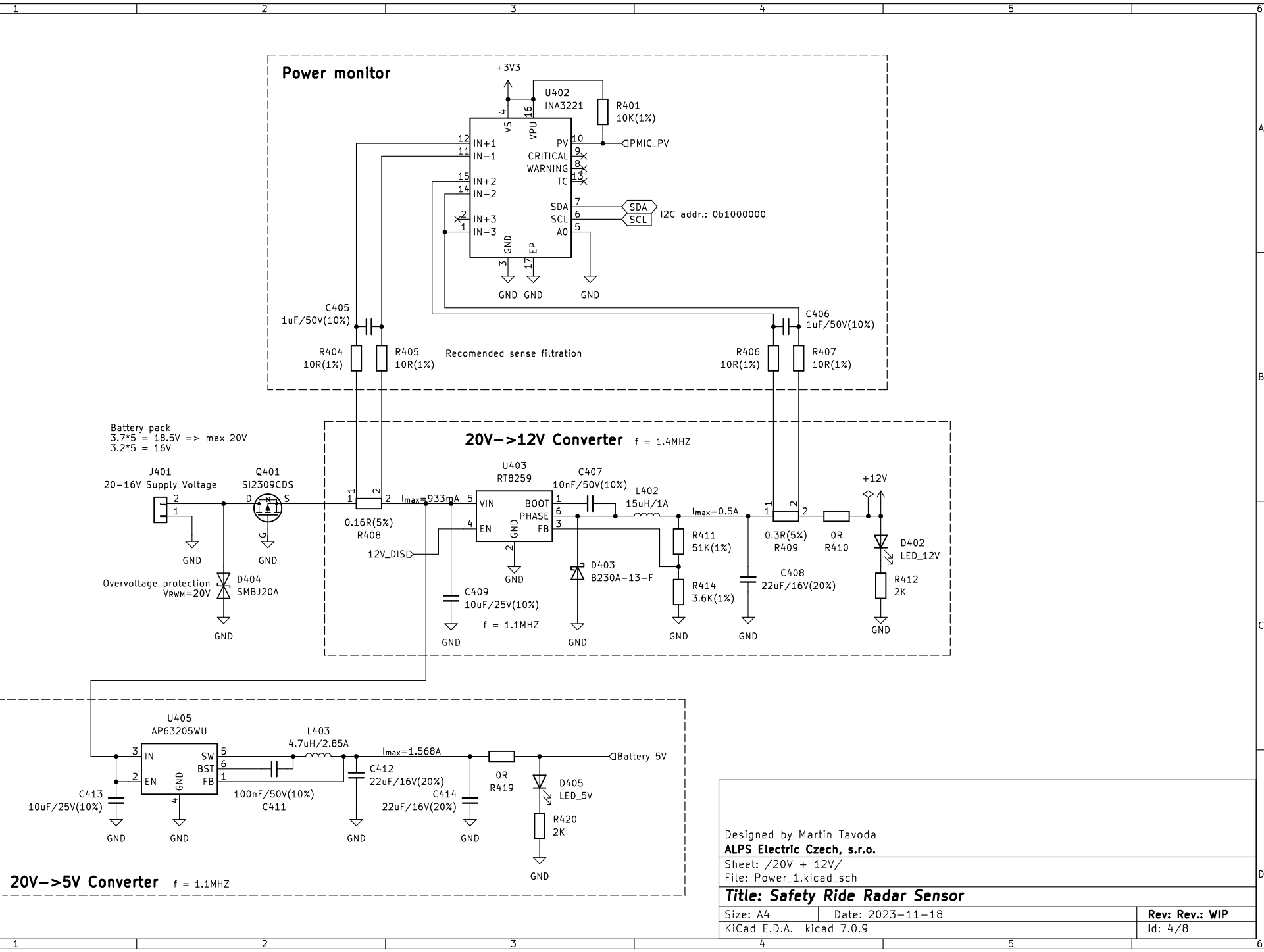
**Title: Safety Ride Radar Sensor**

Size: A4 Date: 2023-11-18

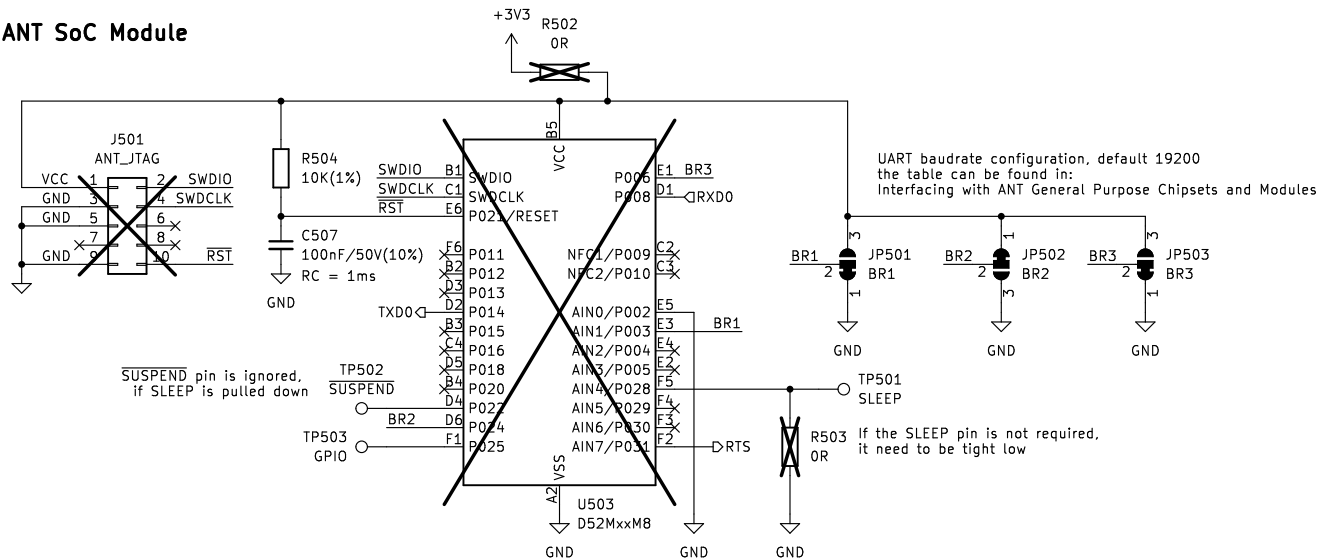
KiCad E.D.A. kicad 7.0.9

Rev: Rev.: WIP

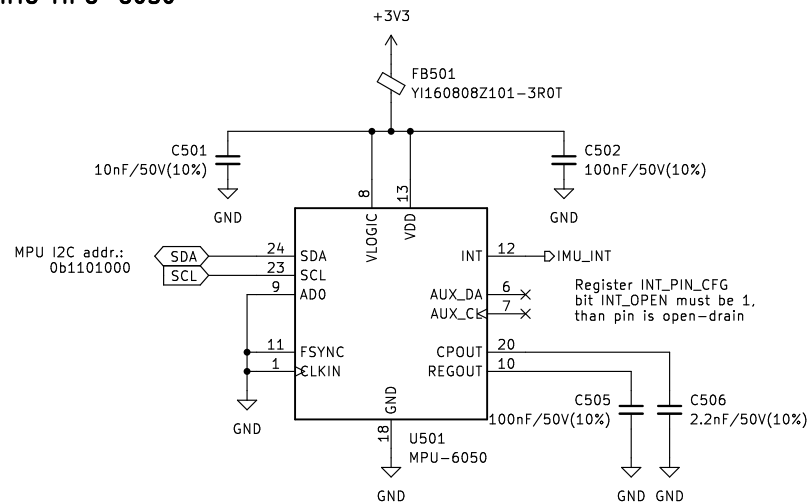
Id: 3/8



## D52 ANT SoC Module



## IMU MPU-6050



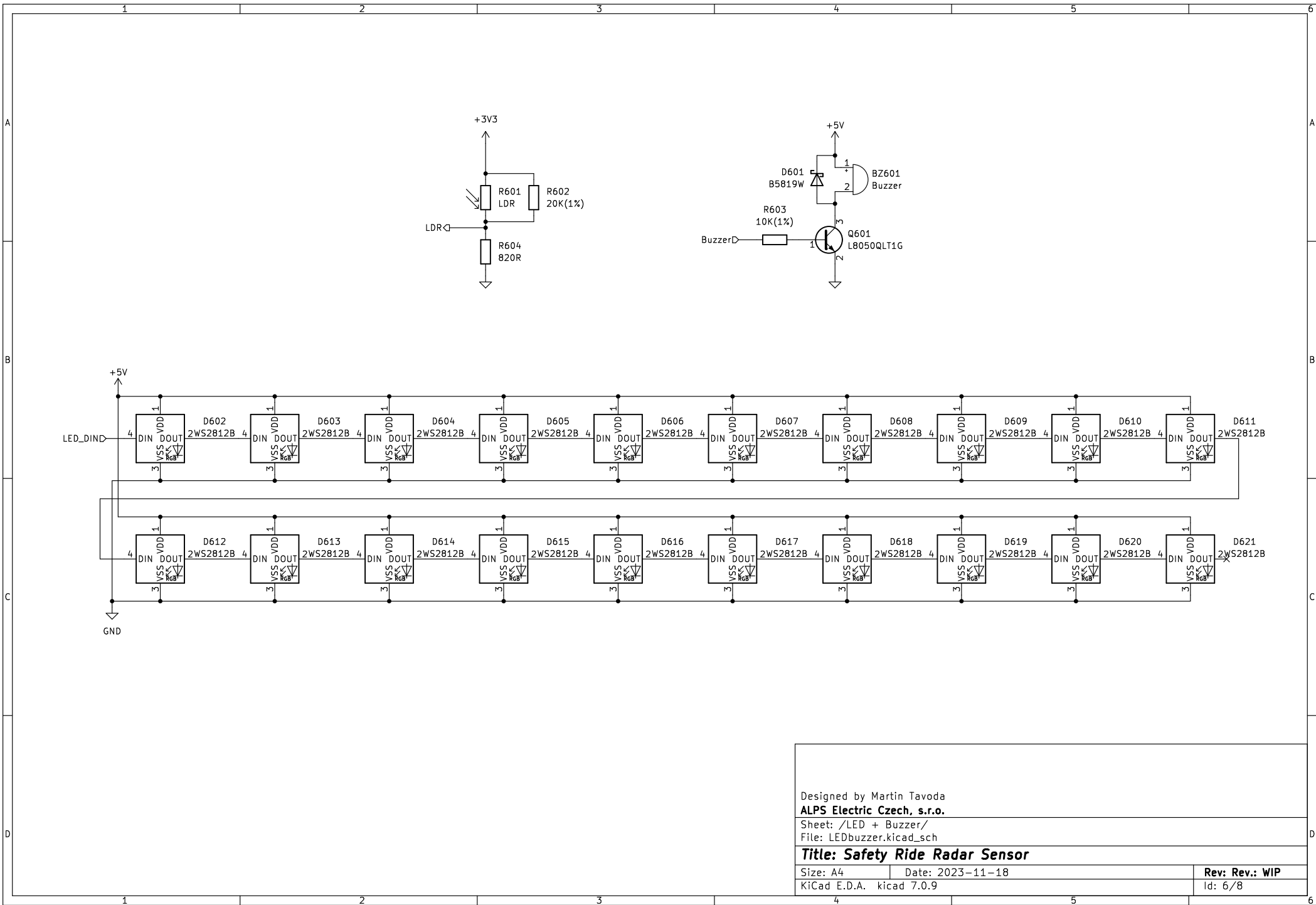
Designed by Martin Tavoda  
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Sheet: /IMU + ANT/  
File: IMU&ANT.kicad\_sch

**Title: Safety Ride Radar Sensor**

Size: A4 Date: 2023-11-18  
KiCad E.D.A. kicad 7.0.9

Rev: Rev.: WIP  
Id: 5/8



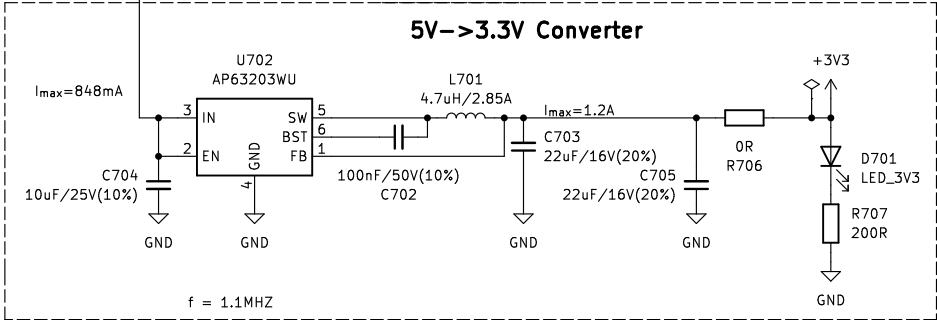
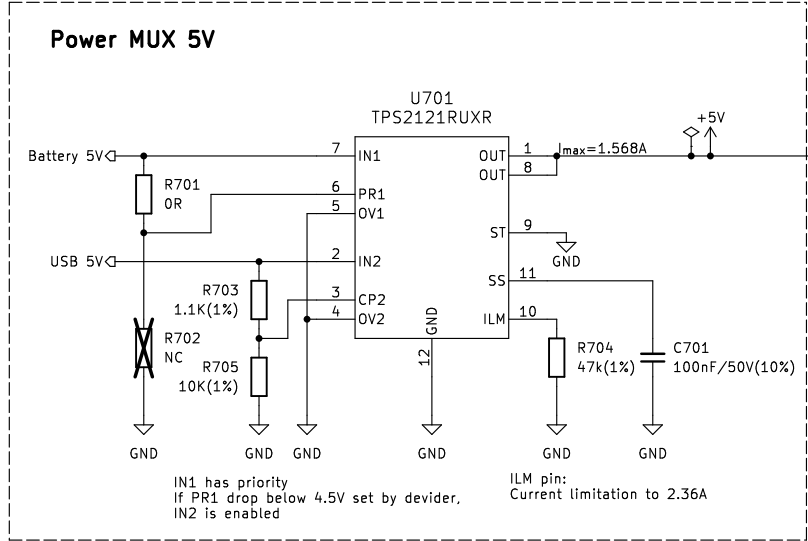
Designed by Martin Tavoda  
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Sheet: /LED + Buzzer/  
File: LEDbuzzer.kicad\_sch

**Title: Safety Ride Radar Sensor**

Size: A4 Date: 2023-11-18  
KiCad E.D.A. kicad 7.0.9

Rev: Rev.: WIP  
Id: 6/8



Sheet: /5V + 3V3/  
File: Power\_2.kicad\_sch

**Title:**

Size: A4

Date:

KiCad E.D.A. kicad 7.0.9

**Rev:**

Id: 7/8

1	2	3	4	5	6
A					A
B					B
C					C
D					D
1	2	3	4	5	6

Sheet: /ESP32/ File: ESP32.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.9		Id: 8/8