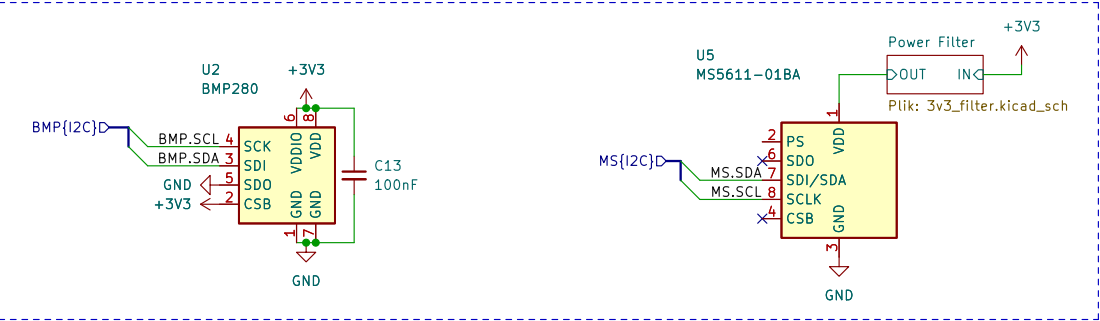
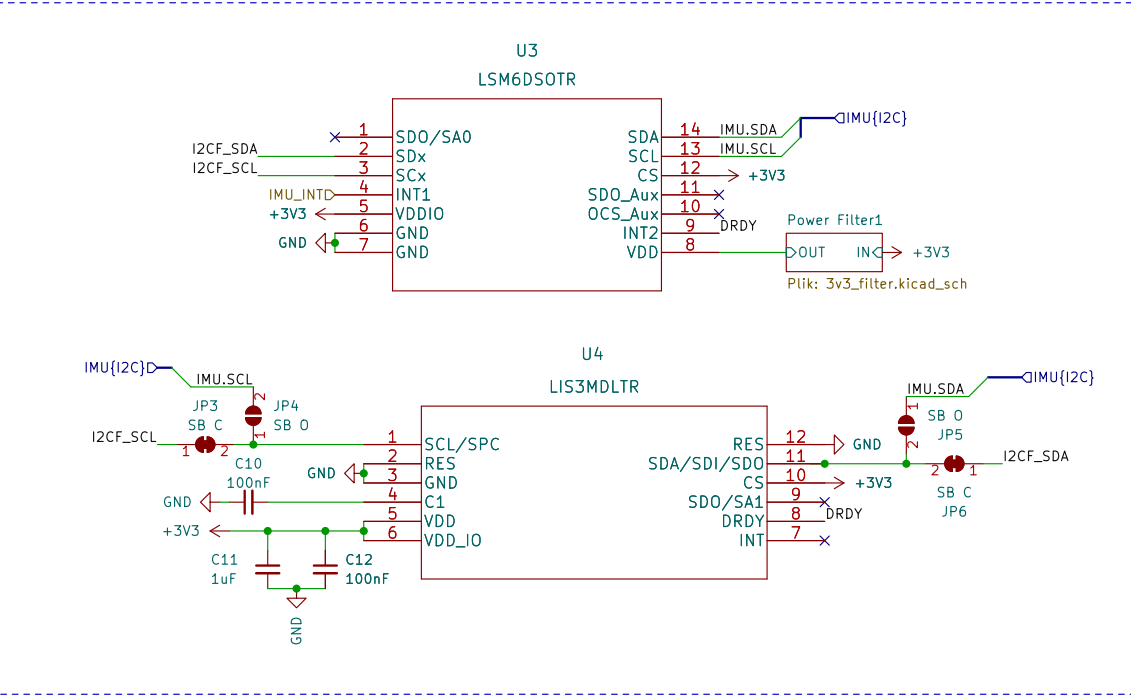
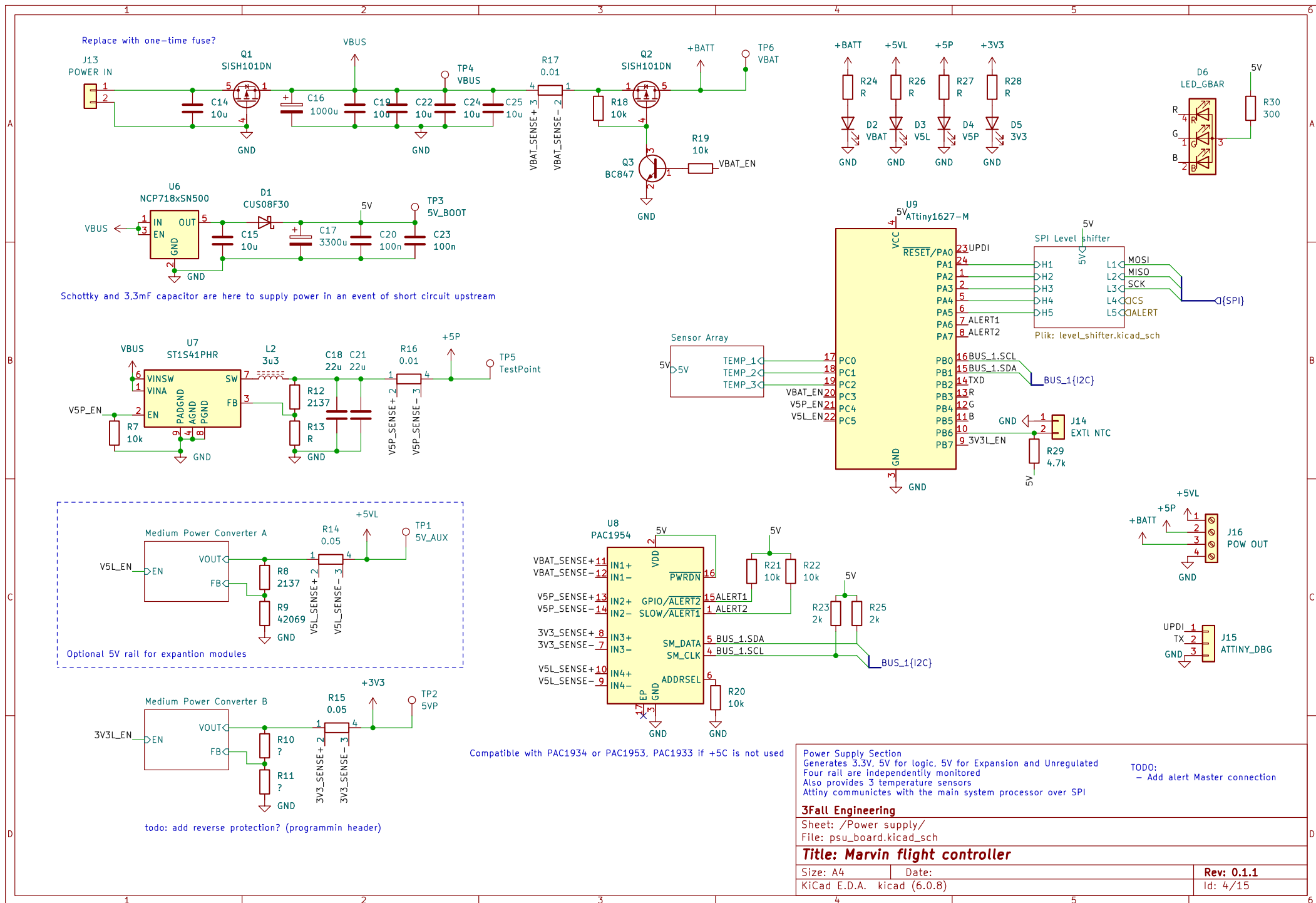


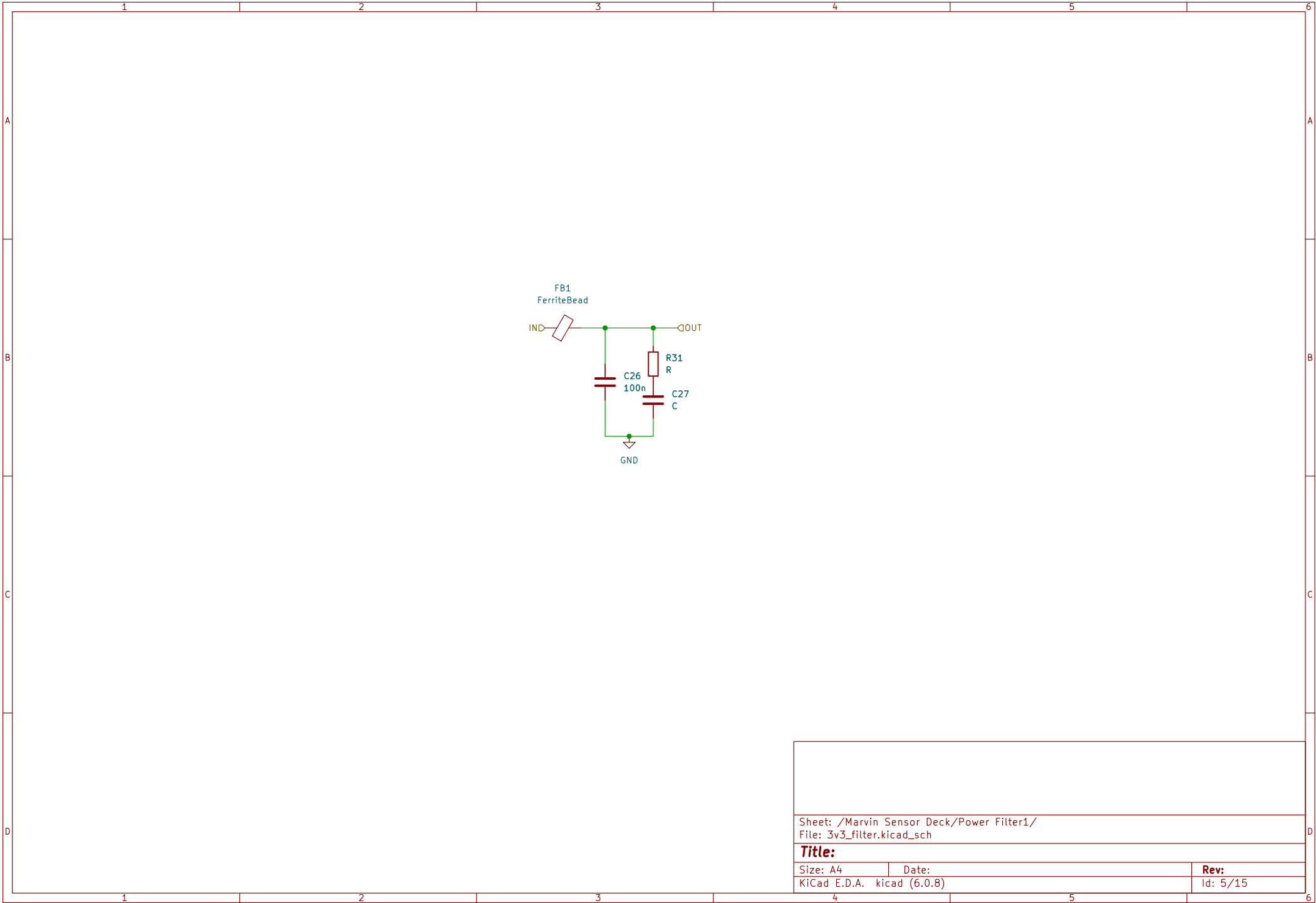
**Pressure Sensors**  
High Performance MS5611 as a premium option, og BMP280 on a budget,  
or as a redundancy for the MS.

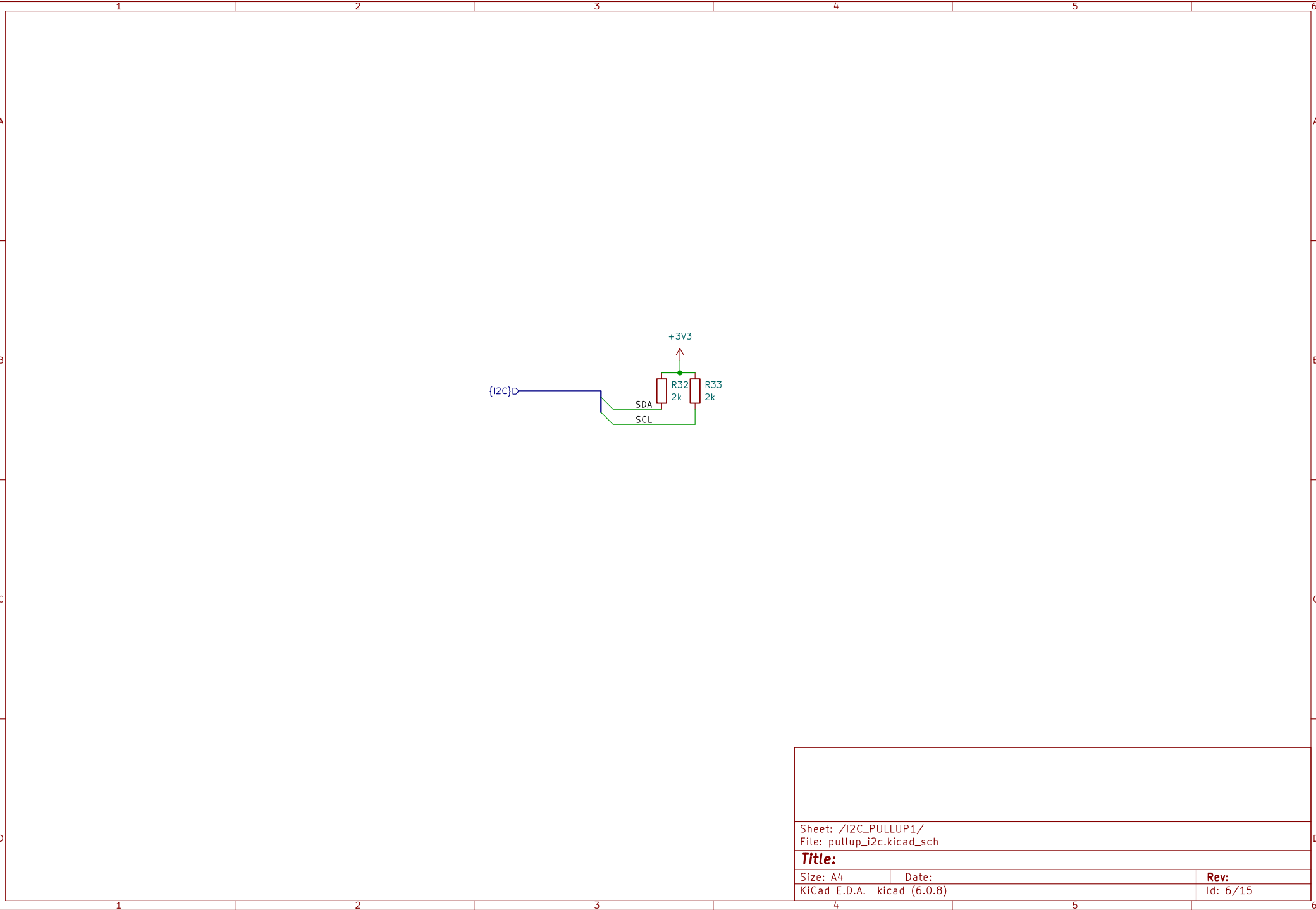


**IMU**  
**LSM6DSOTR + LIS3MDLTR Sensor Fusion**  
LSM6DSO is a master of LIS3MDL over the I2CF(uson) bus,  
no pullups needed, DRDY is a data ready interrupt for I2C sync between the sensors

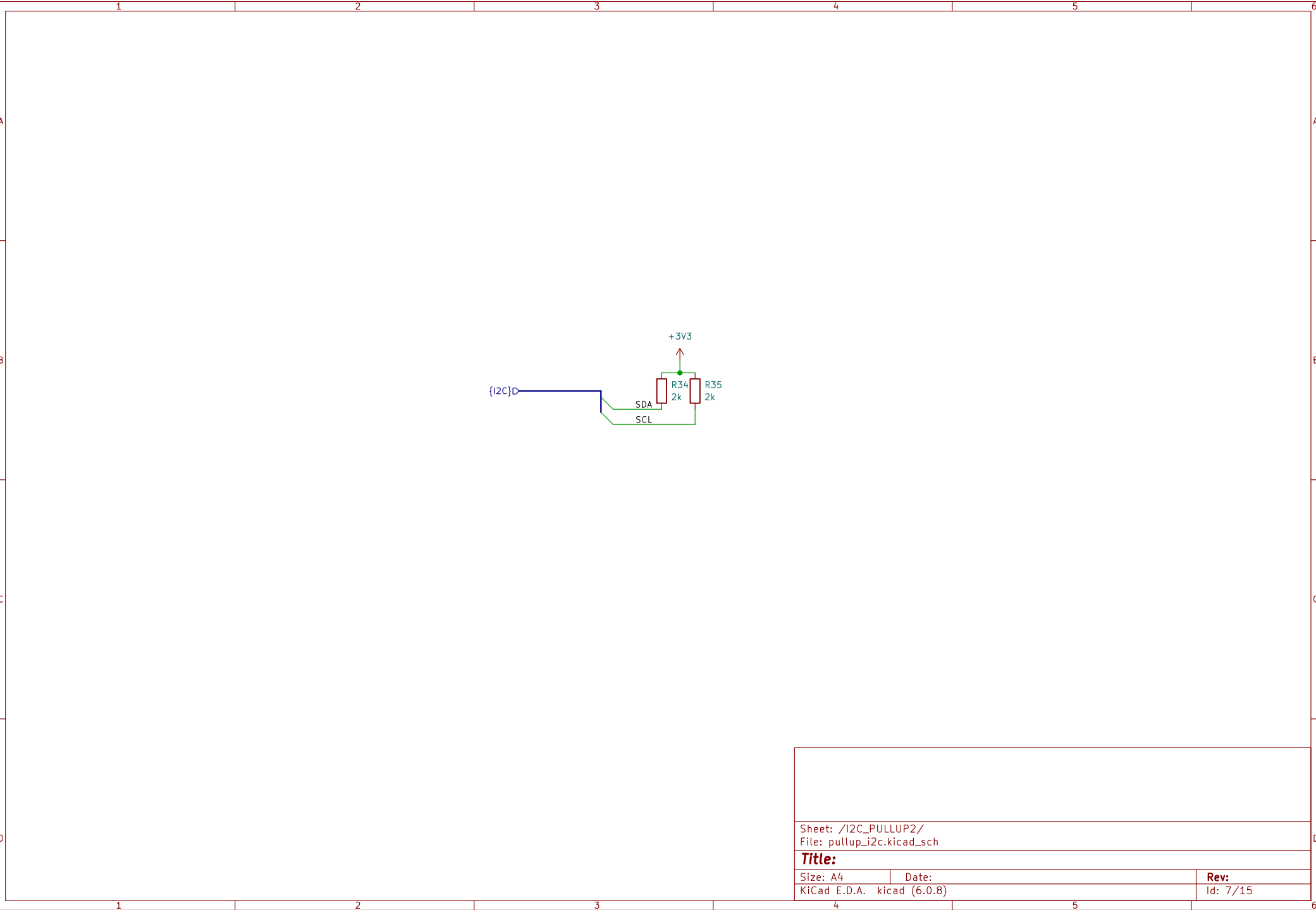




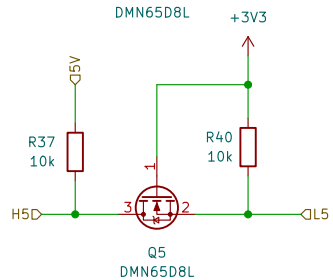
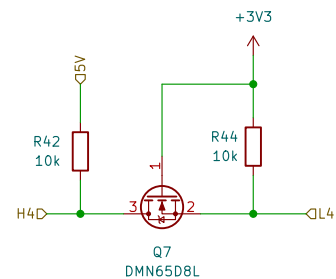
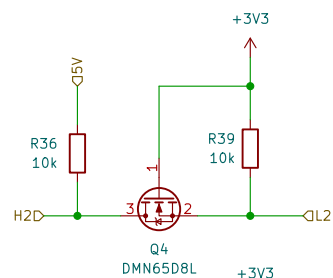
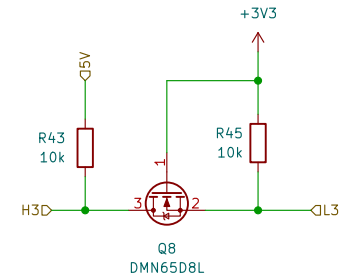
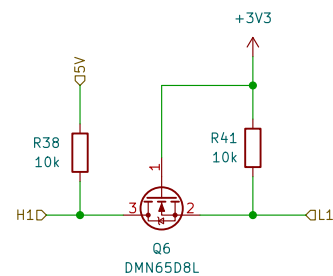




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<b>Title:</b>		
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KiCad E.D.A. kicad (6.0.8)		Id: 6/15



Sheet: /I2C_PULLUP2/ File: pullup_i2c.kicad_sch		
<b>Title:</b>		
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KiCad E.D.A. kicad (6.0.8)		Id: 7/15



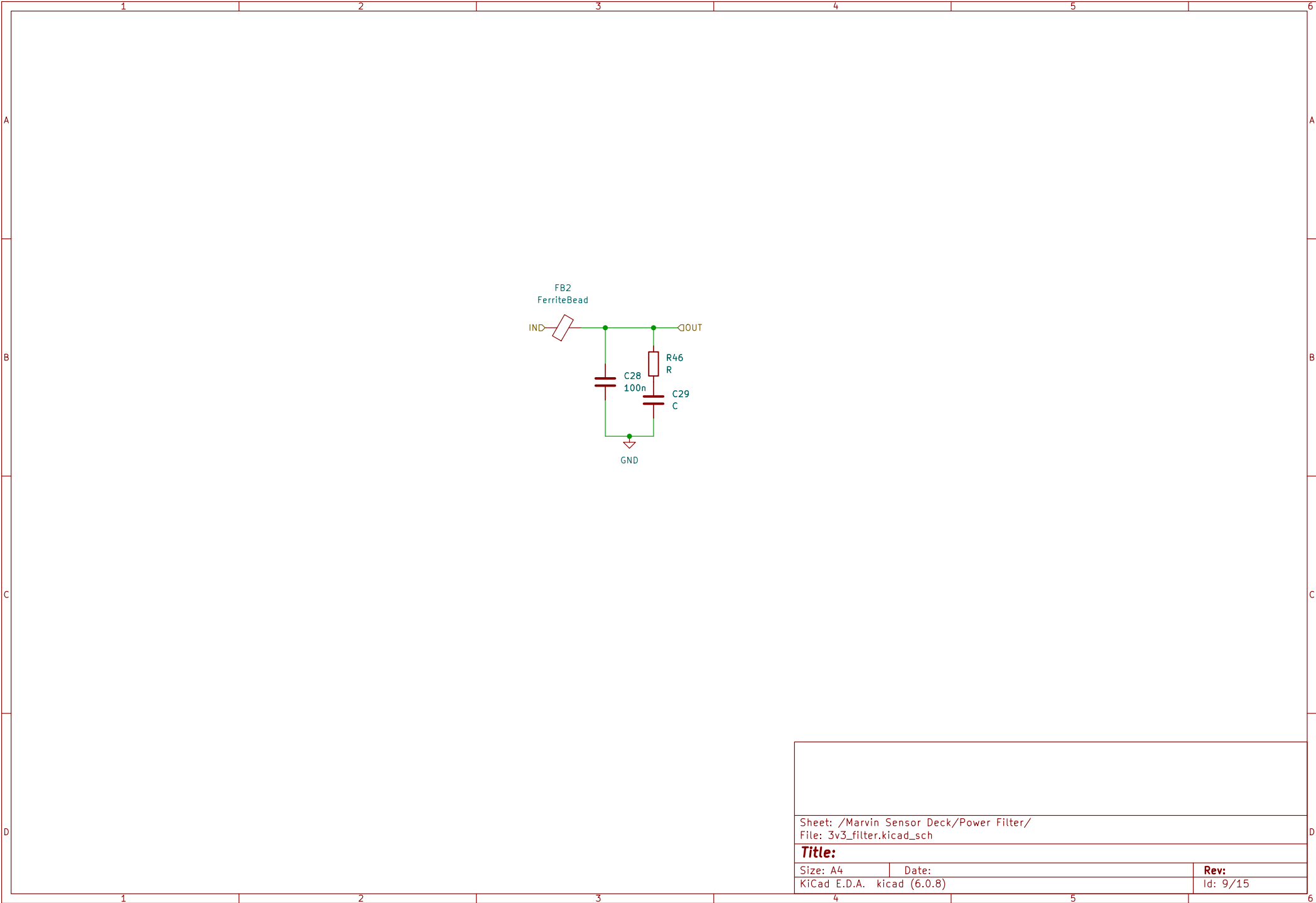
### 3Fall Engineering

Sheet: /Power supply/SPI Level shifter/  
File: level\_shifter.kicad\_sch

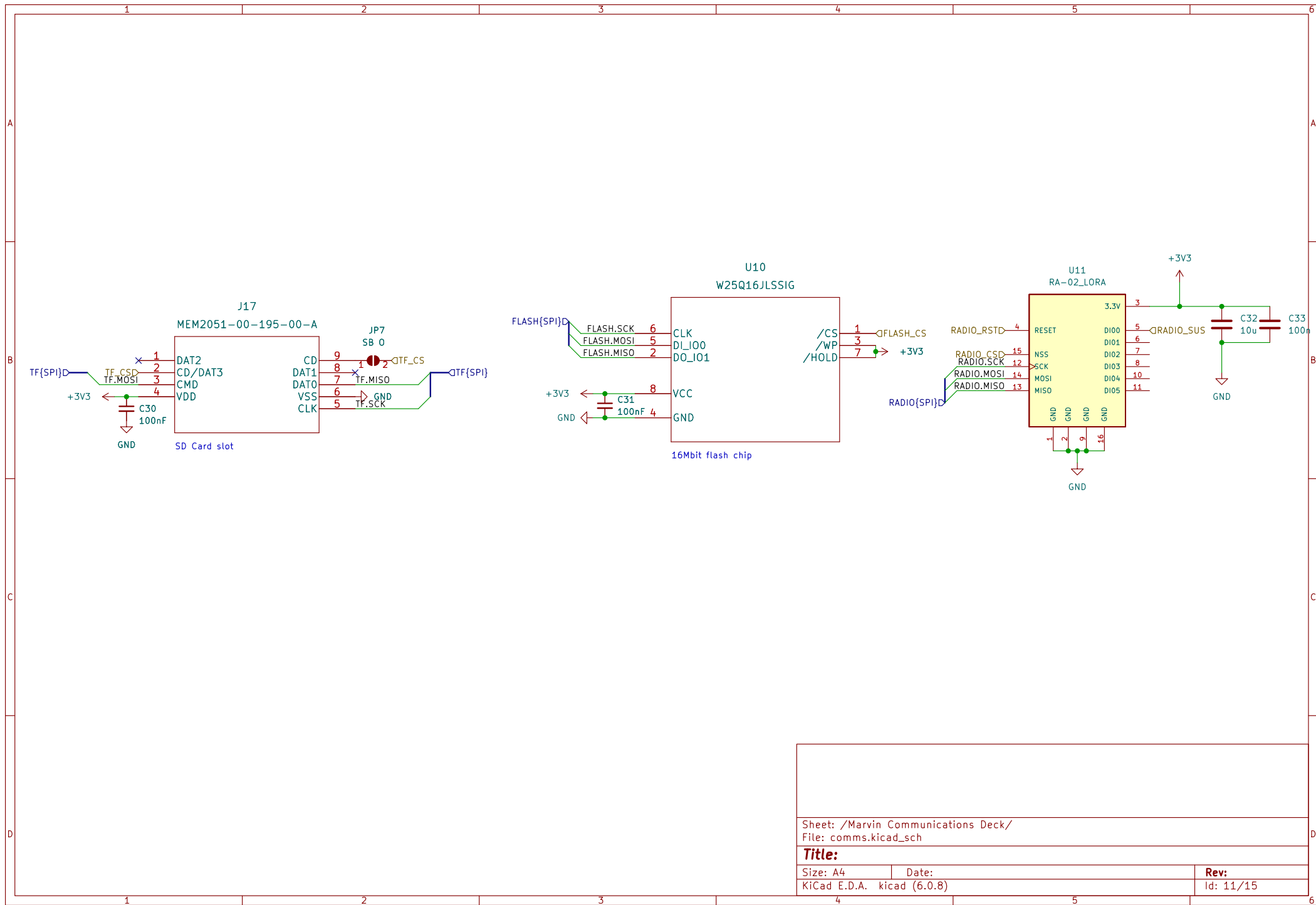
**Title: Marvin flight controller**

Size: A4	Date:	Rev: 0.1.1
KiCad E.D.A. kicad (6.0.8)		Id: 8/15





Sheet: /Marvin Sensor Deck/Power Filter/ File: 3v3_filter.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (6.0.8)		Id: 9/15



Sheet: /Marvin Communications Deck/  
File: comms.kicad\_sch

**Title:**

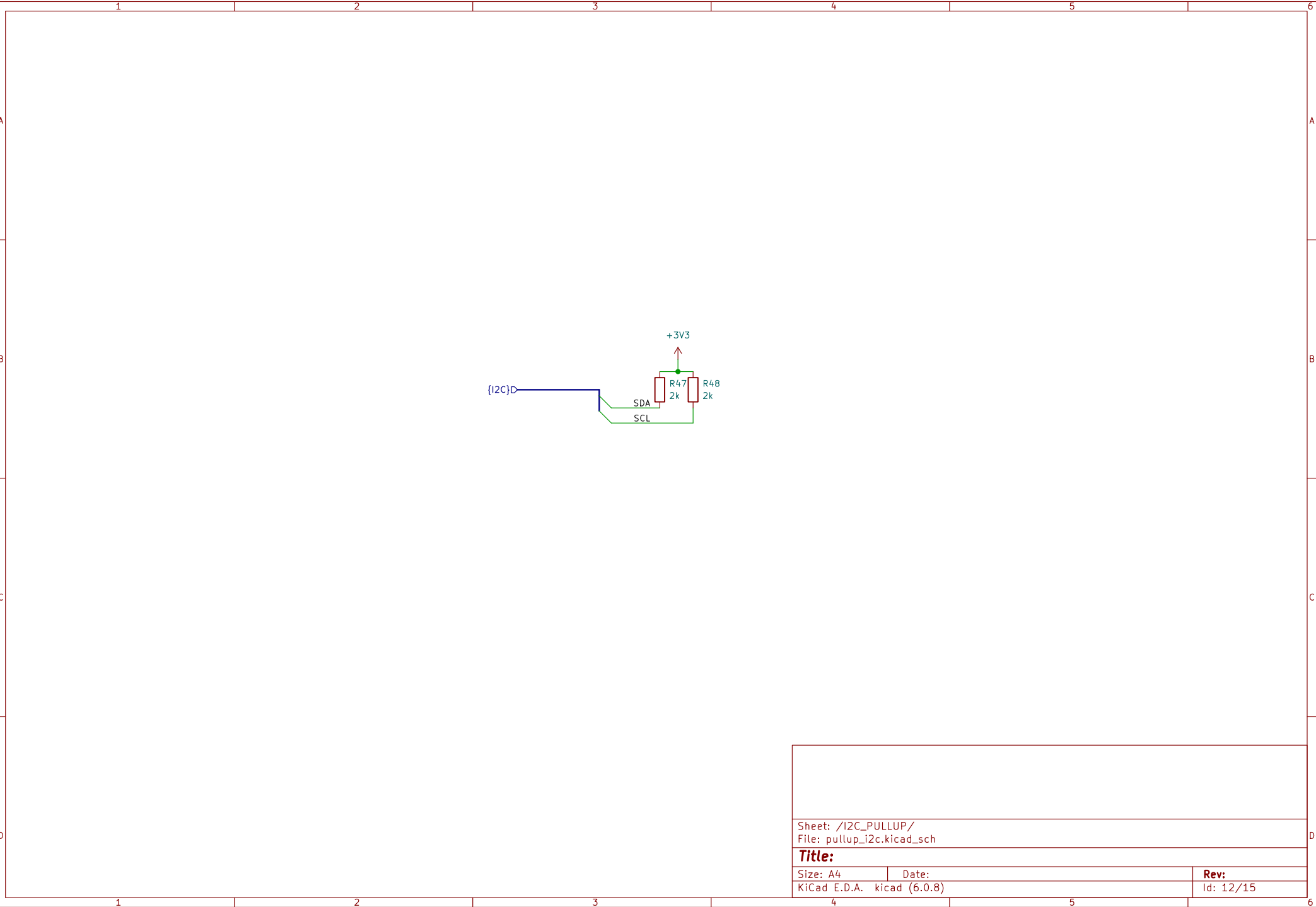
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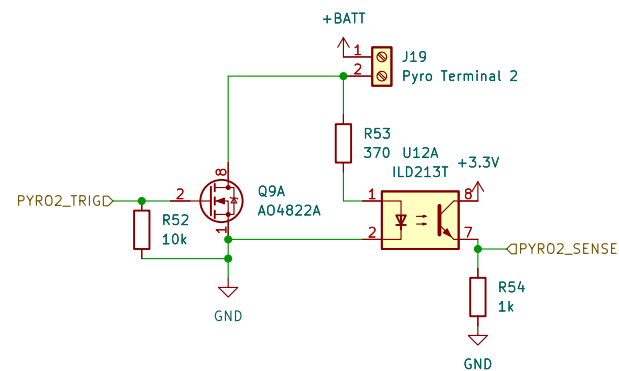
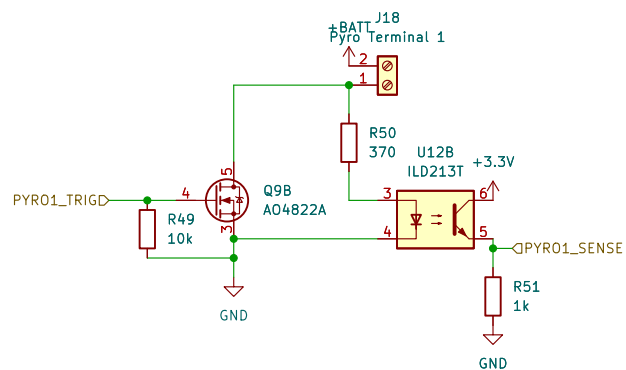
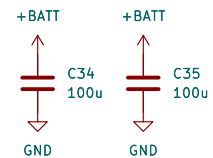
KiCad E.D.A. kicad (6.0.8)

**Rev:**

Id: 11/15



Sheet: /I2C_PULLUP/		
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Size: A4	Date:	Rev:
KiCad E.D.A. kicad (6.0.8)		Id: 12/15



Sheet: /Pyro Channels/  
File: pyro\_sheet.kicad\_sch

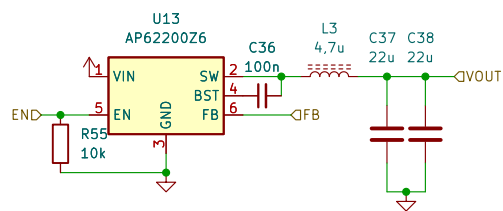
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Date:

**Rev:**

Id: 15/15

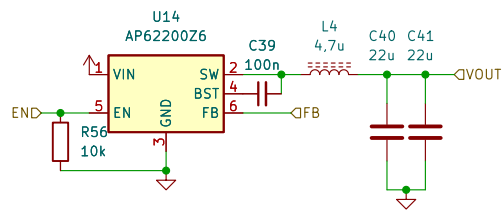


### 3Fall Engineering

Sheet: /Power supply/Medium Power Converter A/  
File: medium\_power\_converter.kicad\_sch

### Title: Marvin flight controller

Size: A4	Date:	Rev: 0.1.1
KiCad E.D.A. kicad (6.0.8)		Id: #/15

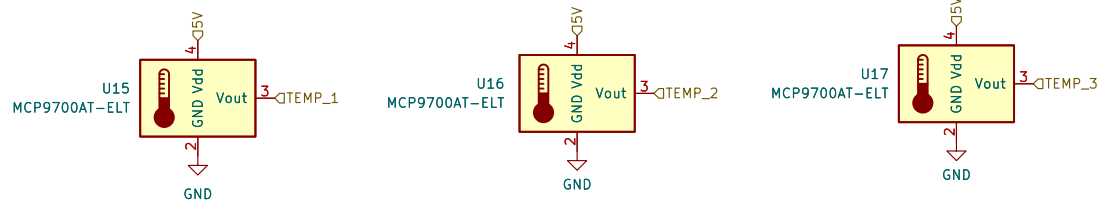


**3Fall Engineering**

Sheet: /Power supply/Medium Power Converter B/  
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**Title: Marvin flight controller**

Size: A4	Date:	Rev: 0.1.1
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System manager temperture sensor array		
3Fall Engineering		
Sheet: /Power supply/Sensor Array/ File: psu_sensor_array.kicad_sch		
Title: Marvin flight controller		
Size: A4	Date:	Rev: 0.1.1
KiCad E.D.A. kicad (6.0.8)		Id: #/15