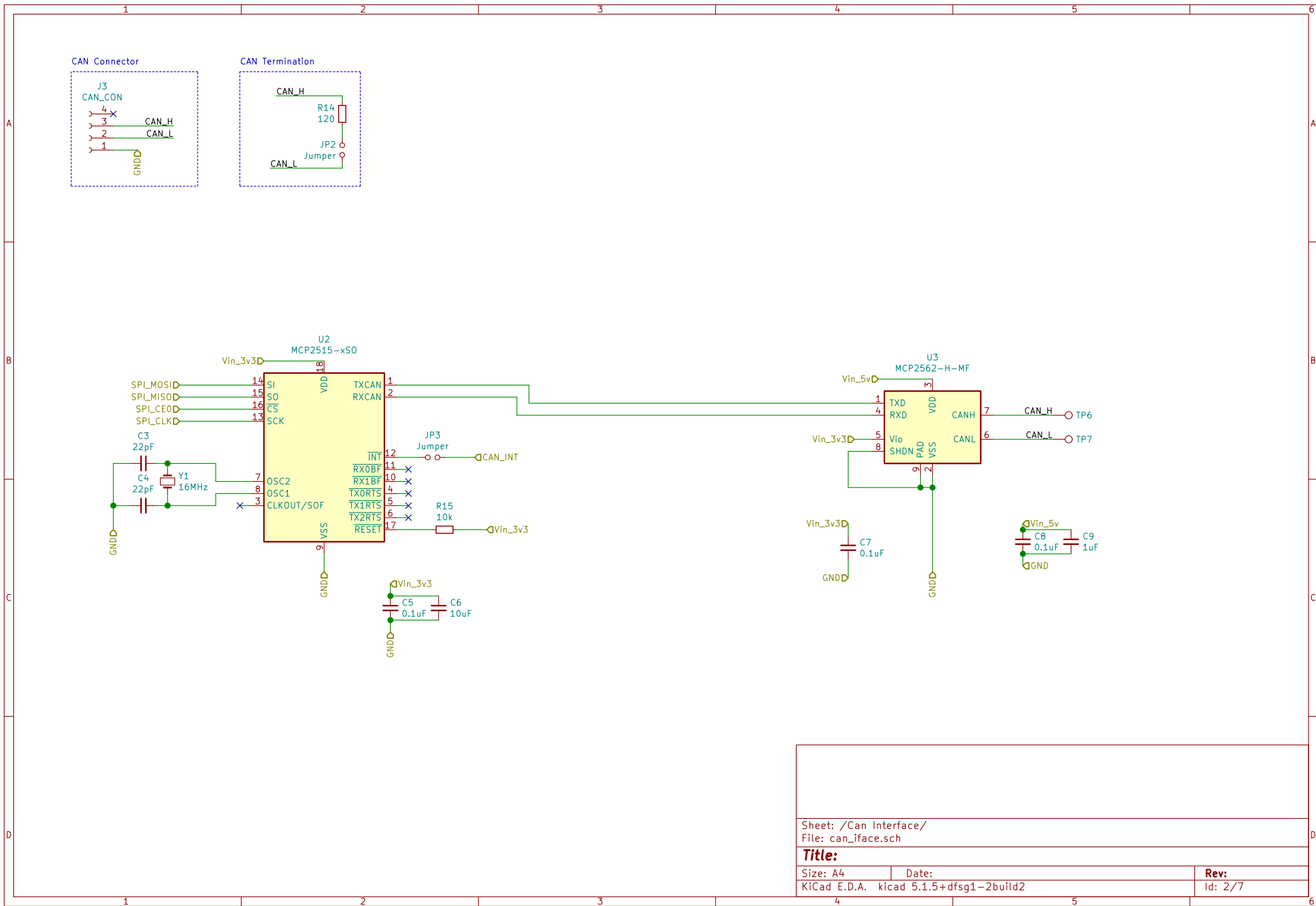


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Id: 1/7



Sheet: /Can Interface/  
File: can\_iface.sch

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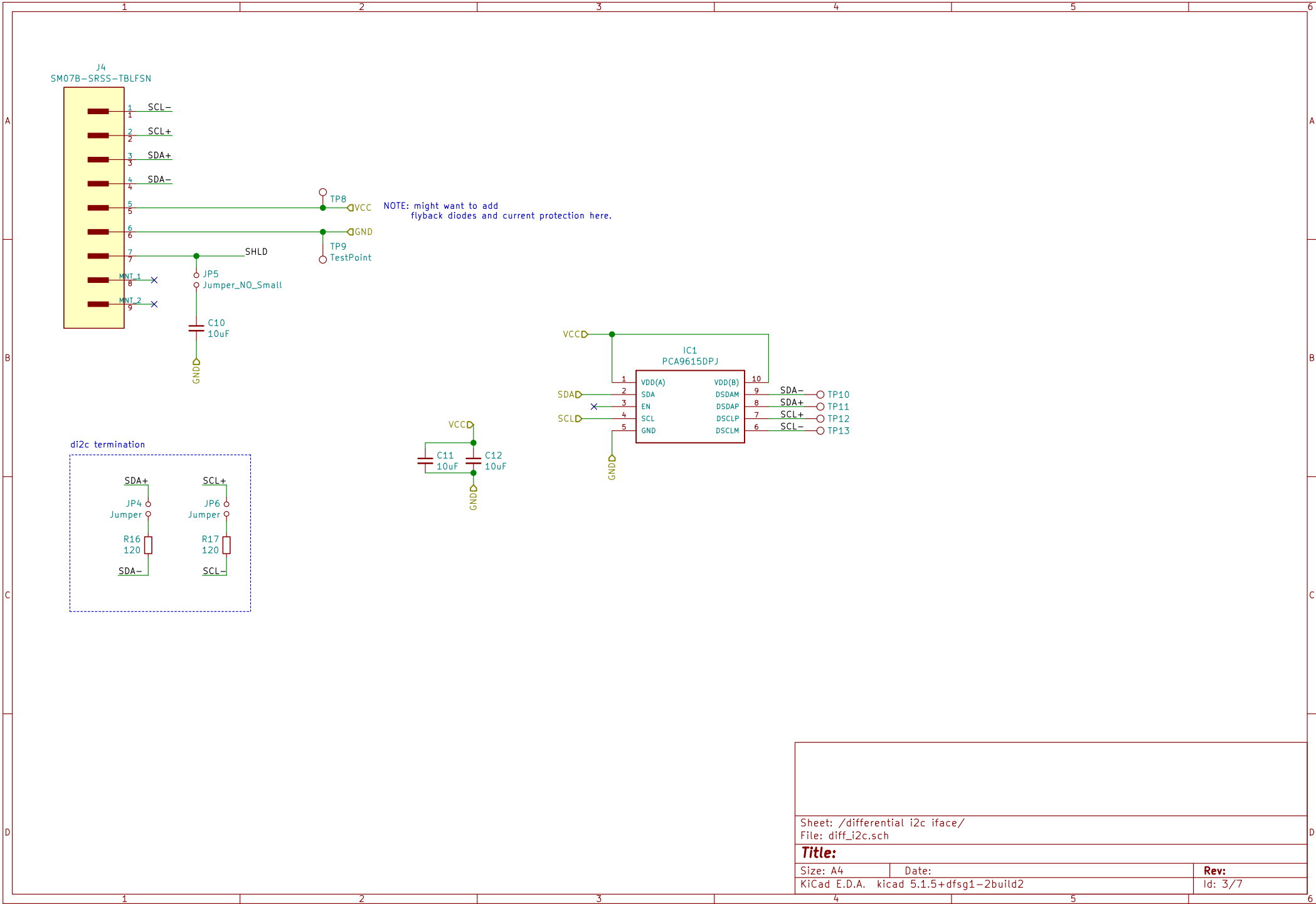
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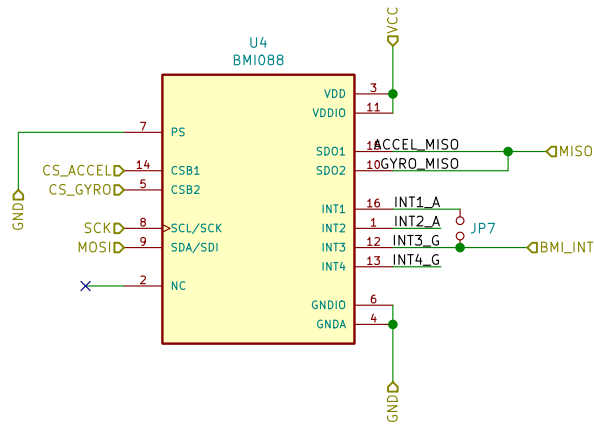
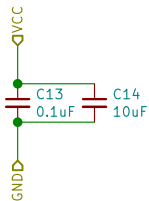
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**Rev:**

Id: 2/7





NOTES: bmi088 driver has DRDY wired to gpio26 (pin 6 on wiringpi)  
 - i2c should be easier but i'm going for SPI since the old implementation works  
 - shuttle has interrupt pin jumper  
 - might want to not only expose the jumper for this, but also tie in 2 separate GPIO pins with the 2.54mm headers on each interrupt so i can manually connect interrupt pins?

IMPORTANT: review the SPI initialization behavior (6.1, p45, bmi088 datasheet)  
 - looks like GND on PS sets gyro to SPI mode  
 - giving a rising edge on the CS pin for the accel switches it to spi mode. this can be done via a dummy read/write operation

Sheet: /IMU/  
 File: IMU.sch

**Title:**

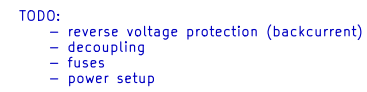
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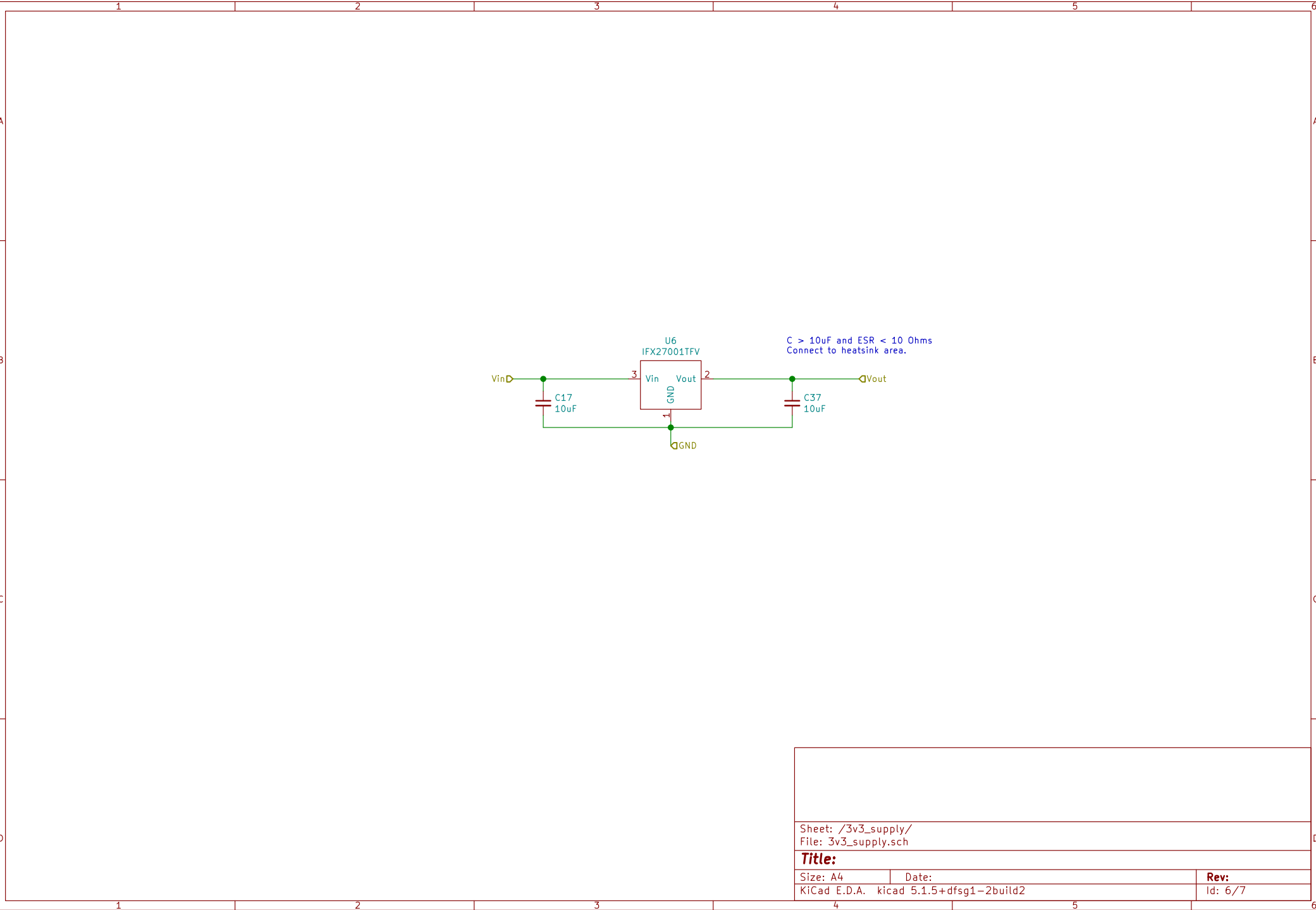
**Rev:**

Id: 4/7

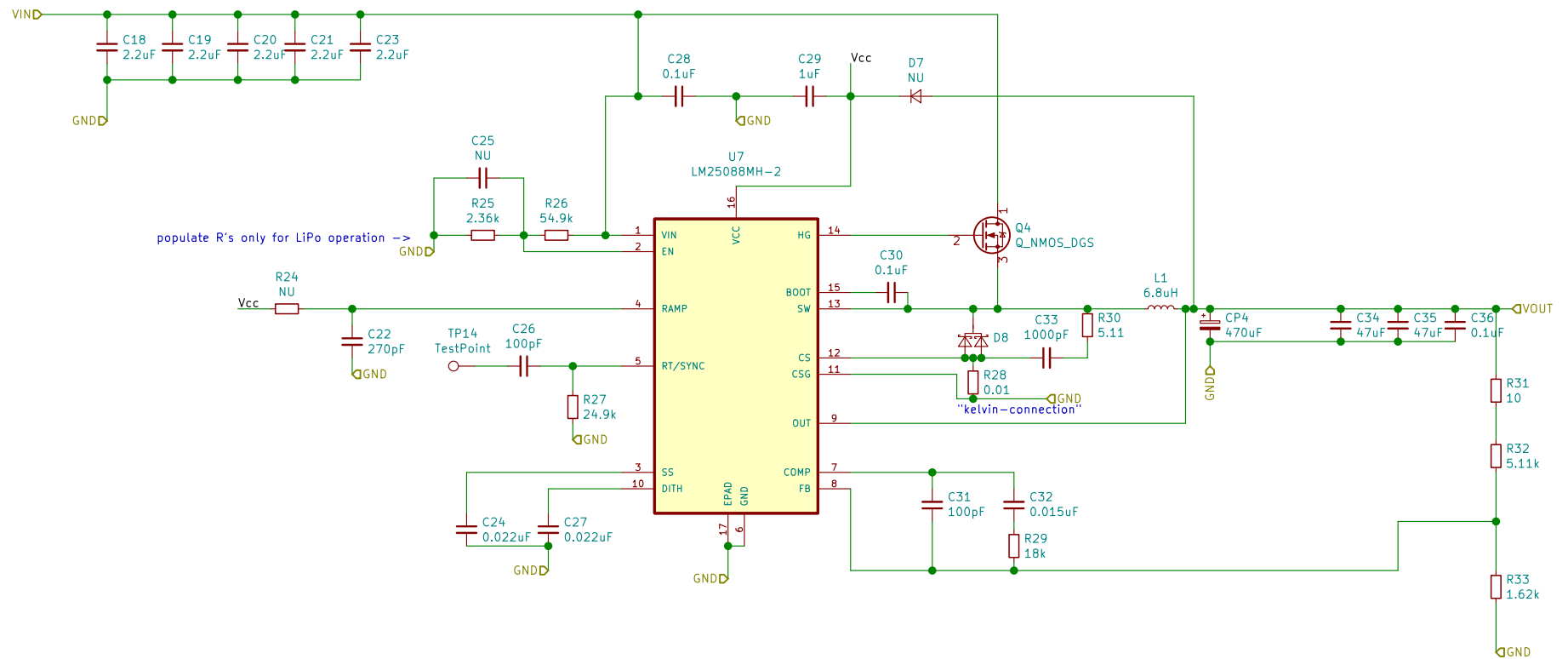


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Id: 5/7



Sheet: /3v3_supply/ File: 3v3_supply.sch		
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Sheet: /5V Power Supply/  
File: 5V\_Power\_Supply.sch

**Title:**

Size: A4 Date:  
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

**Rev:**  
Id: 7/7