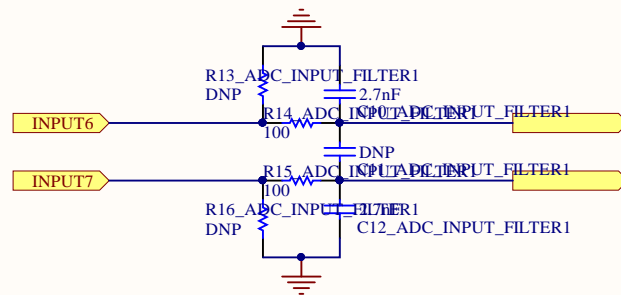
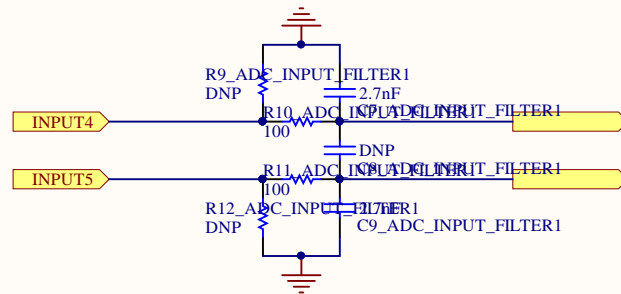
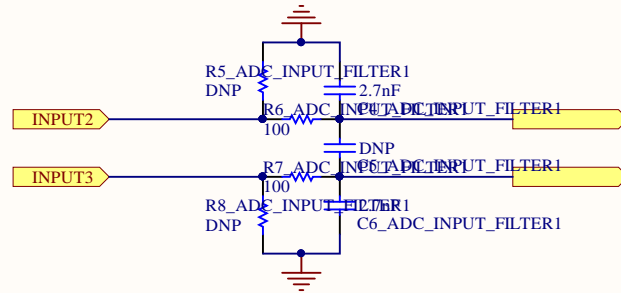
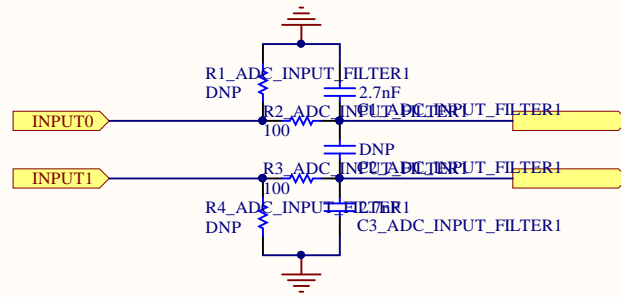
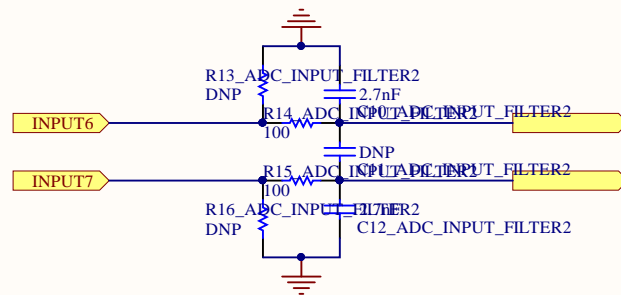
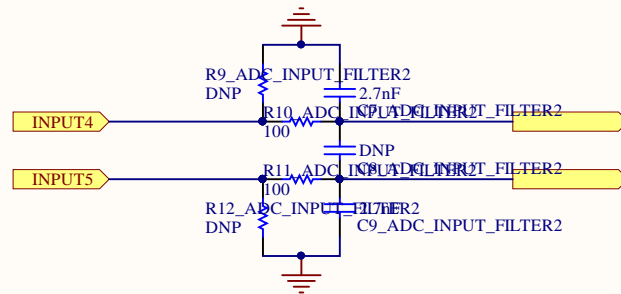
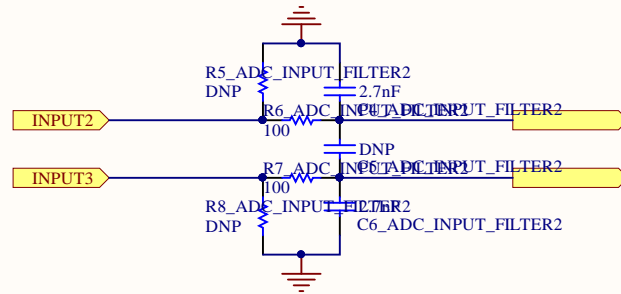
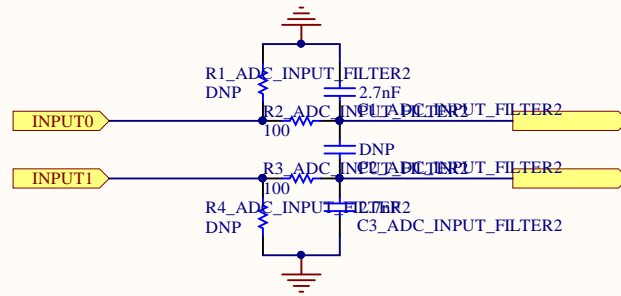


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Date:	14/04/2020	Sheet of
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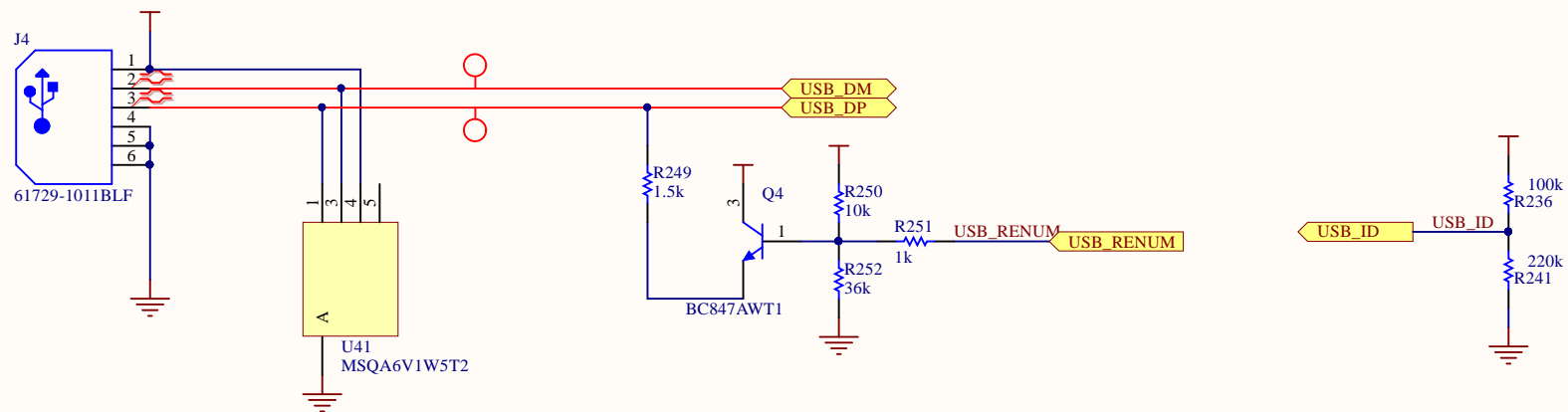


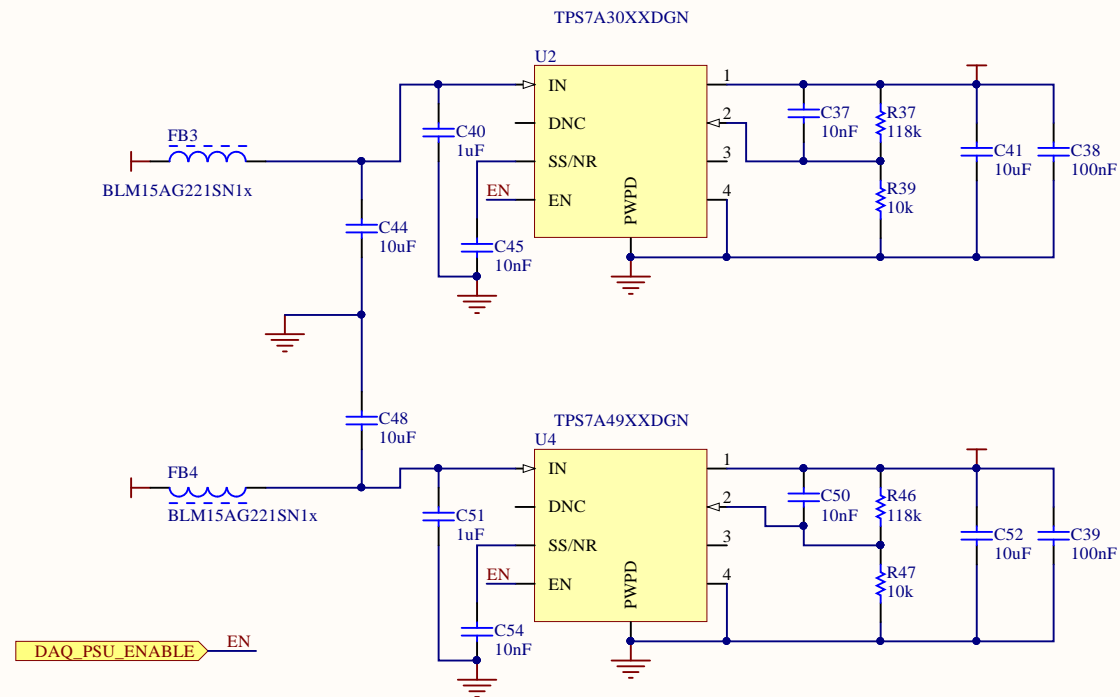


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Date:	14/04/2020	Sheet of
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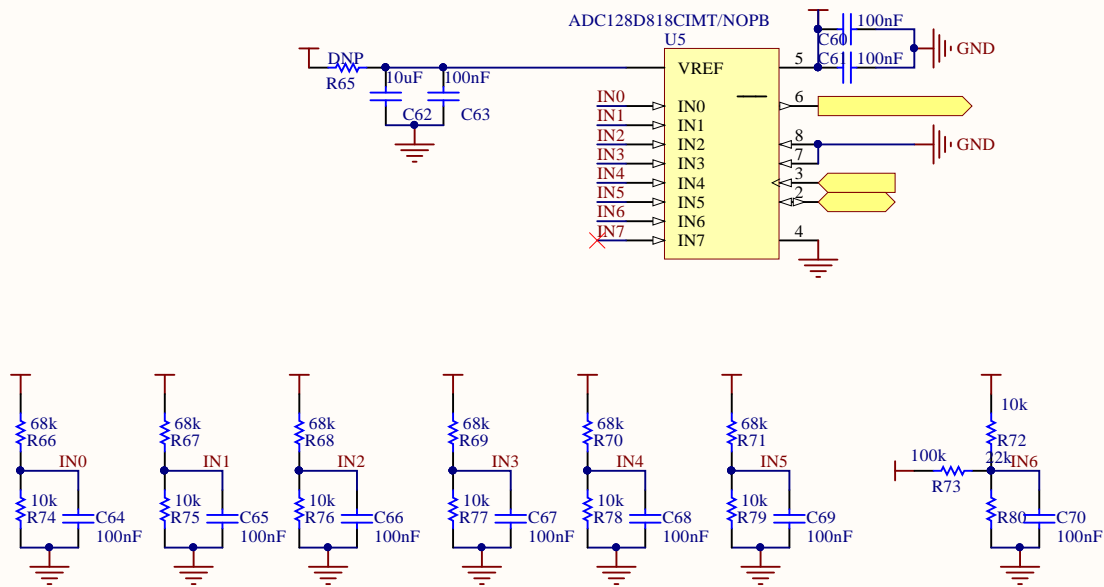


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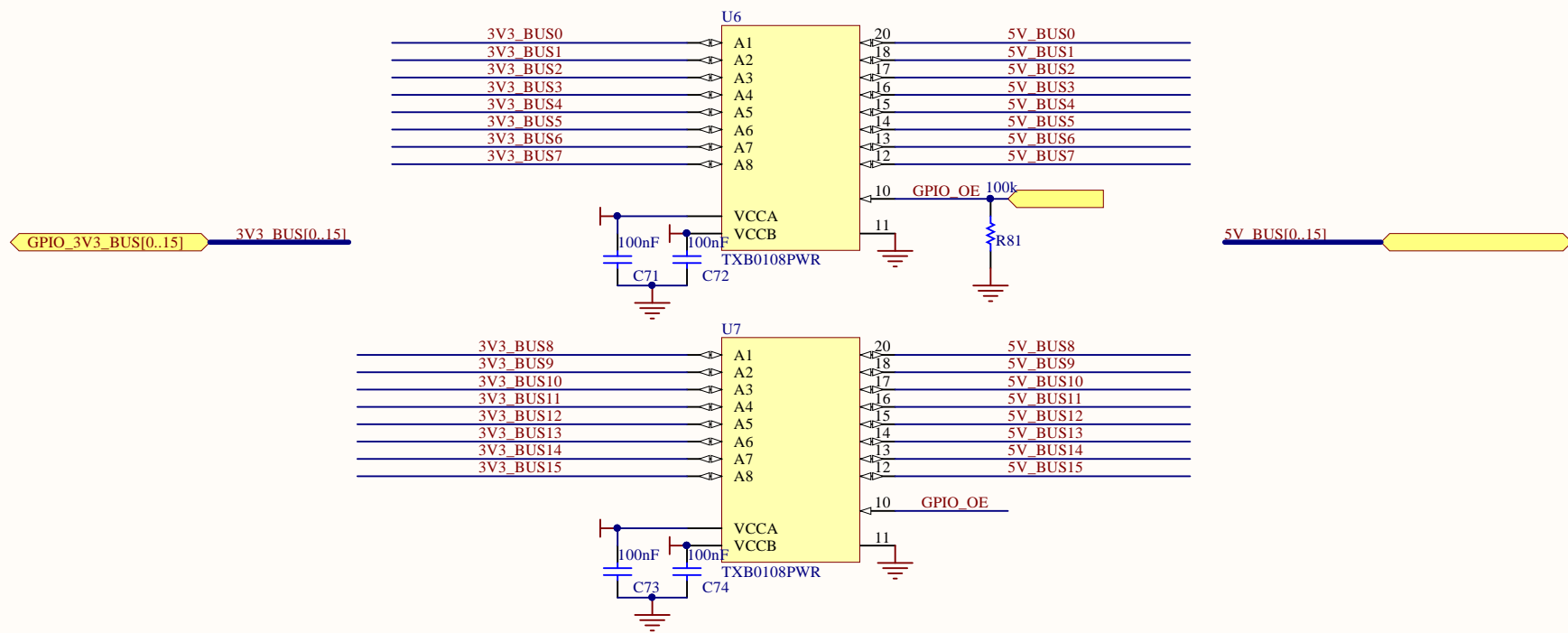


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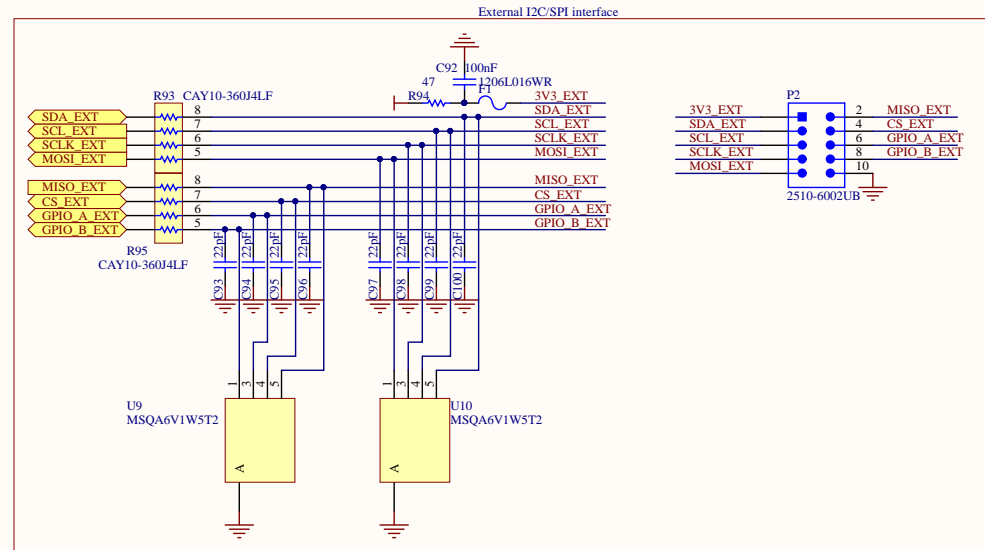
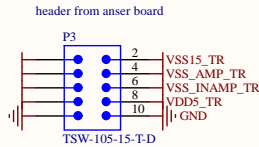
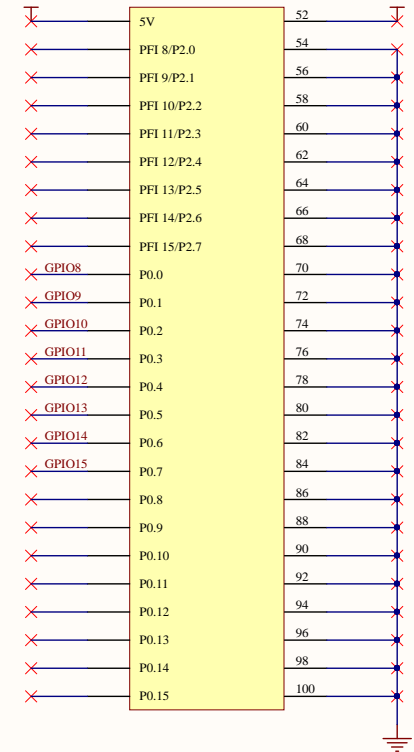
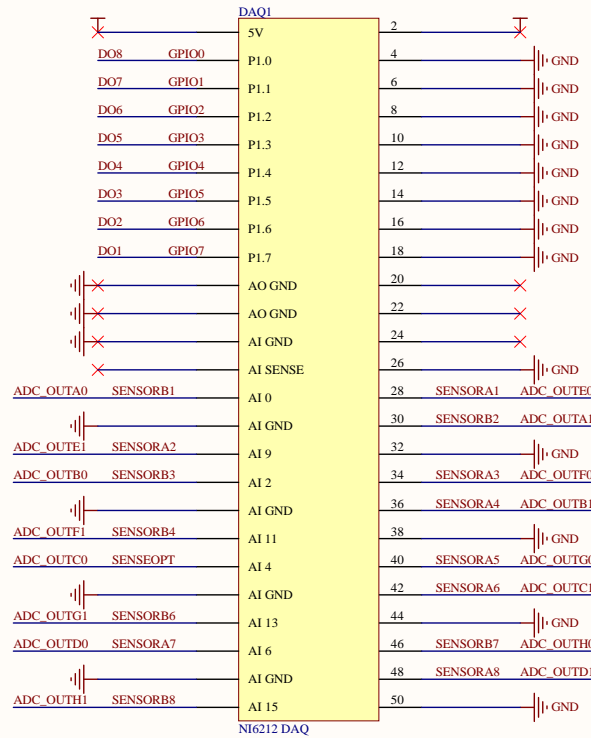
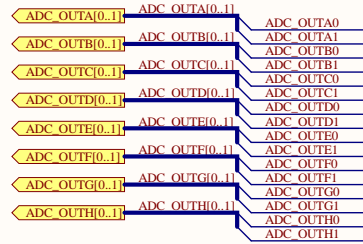
voltage dividers for adc

Title		
Size A4	Number	Revision
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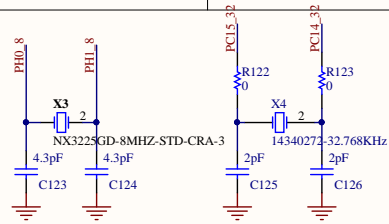
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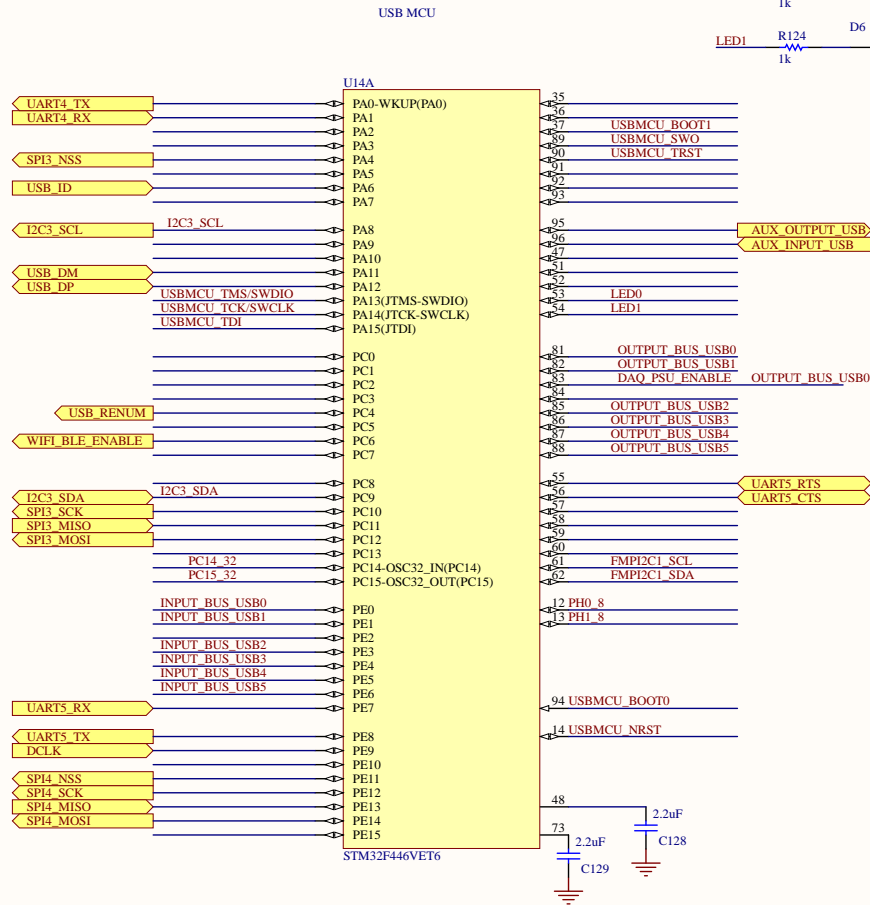
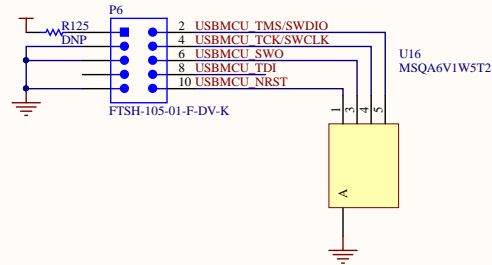


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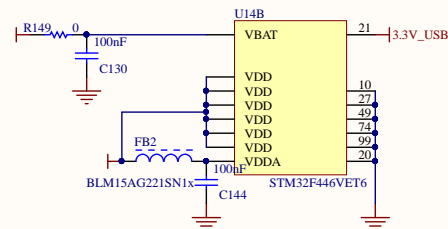
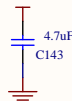
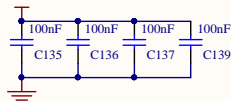
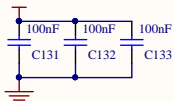
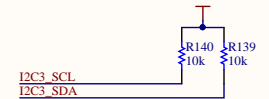
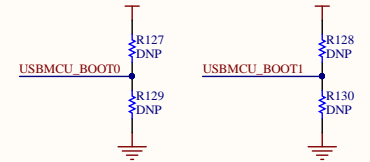
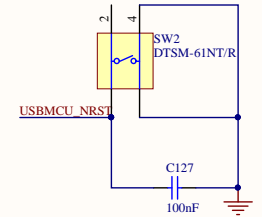
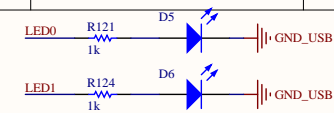




Debug interface, two options

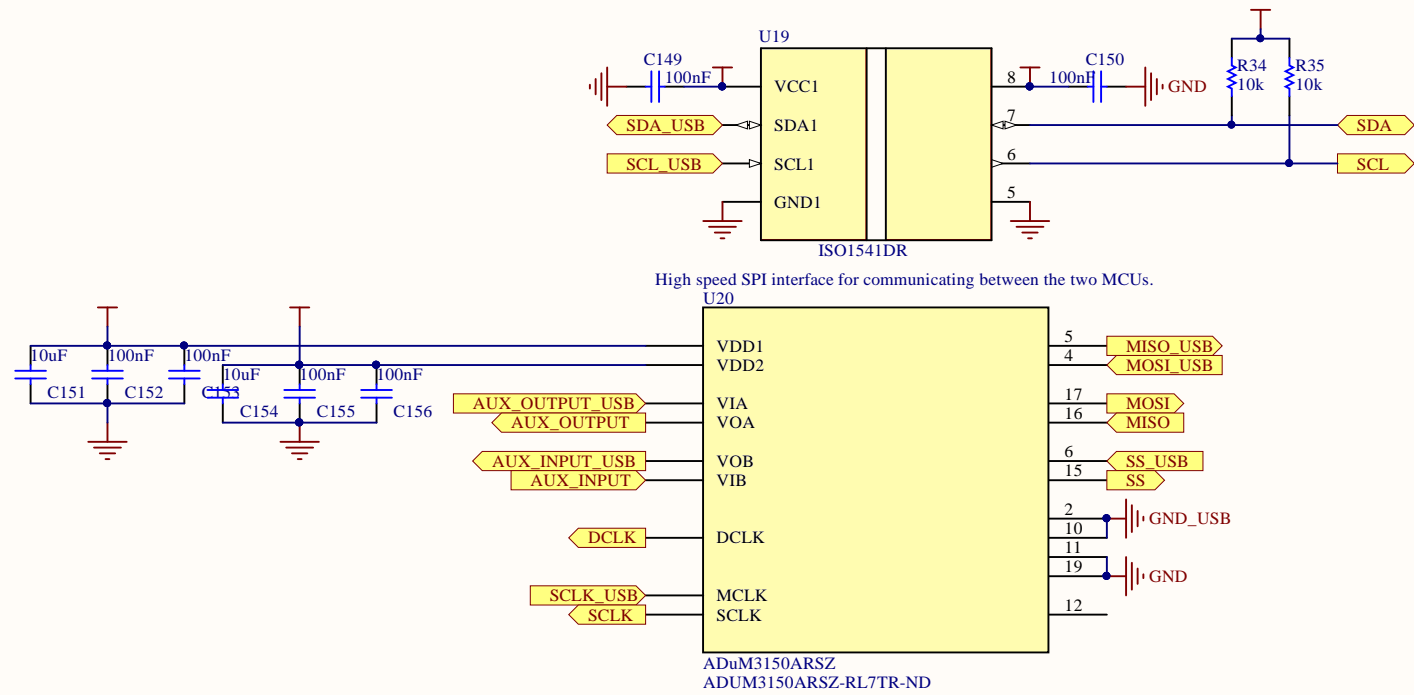


INPUT\_BUS\_USB[0..1] INPUT\_BUS\_USB[0..1]  
OUTPUT\_BUS\_USB[0..3] OUTPUT\_BUS\_USB[0..3]



Title		
Size	Number	Revision
A3		
Date:	14/04/2020	Sheet of
File:	D:\github\LMCU_USB.SchDoc	Drawn By:

Optoisolation to completely separate the USB section from the DAQ section.  
I2C isolator, used to interface with diagnostic ADC on the DAQ side and also the optional I2C output for external sensors.

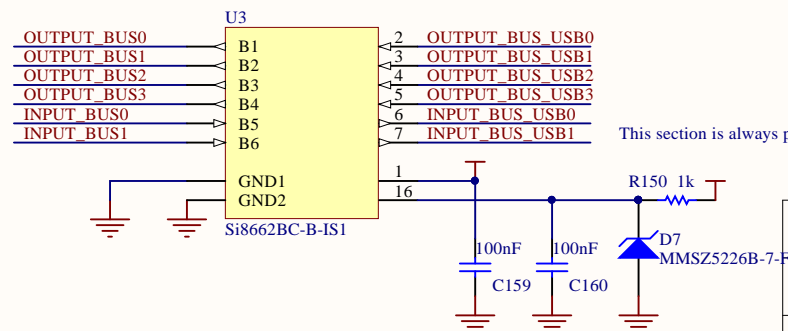


INPUT\_BUS[0..1]

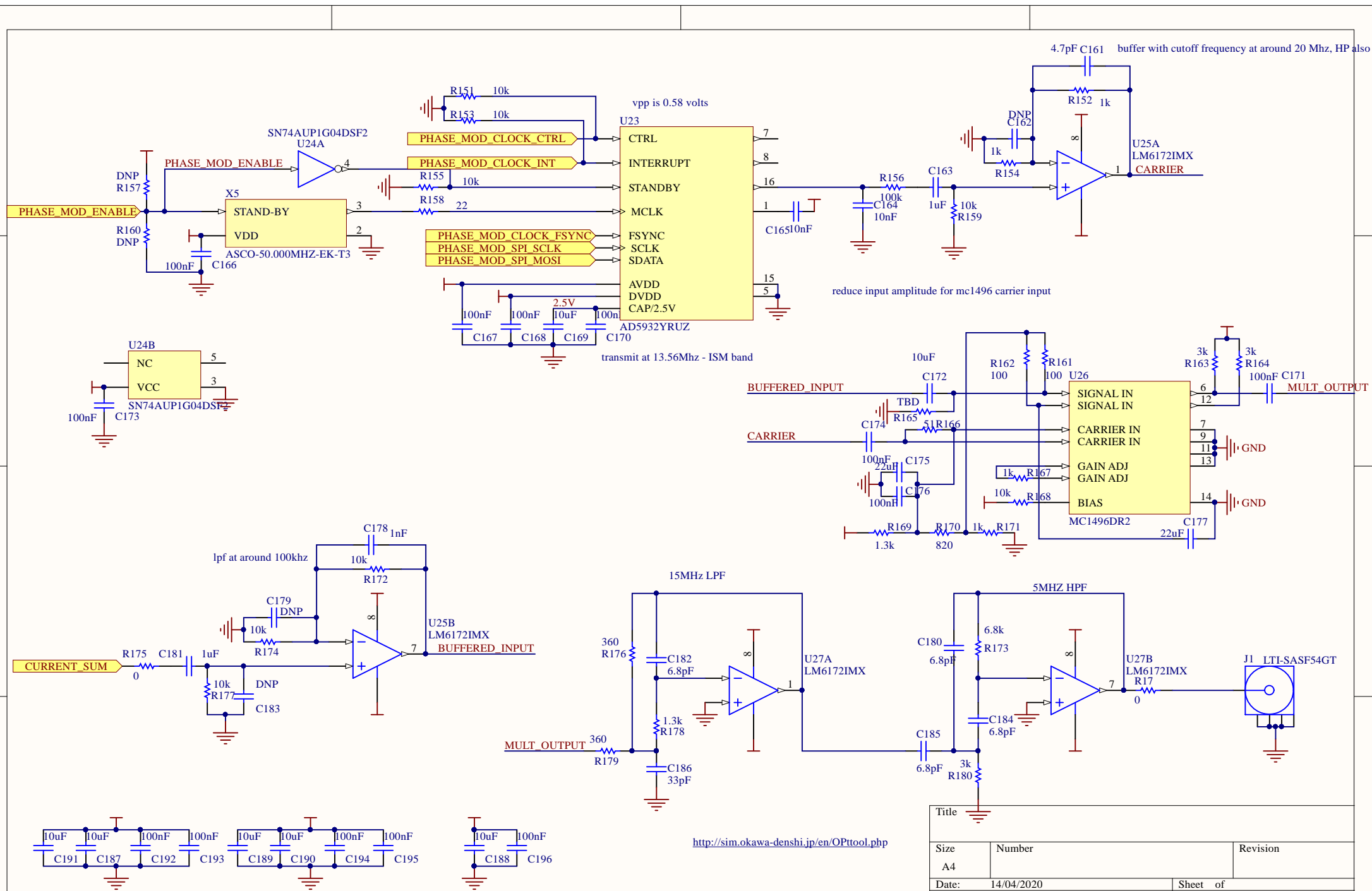
INPUT\_BUS\_USB[0..1] INPUT\_BUS\_USB[0..1]

OUTPUT\_BUS[0..3] OUTPUT\_BUS[0..3]

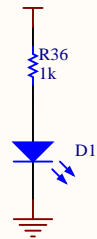
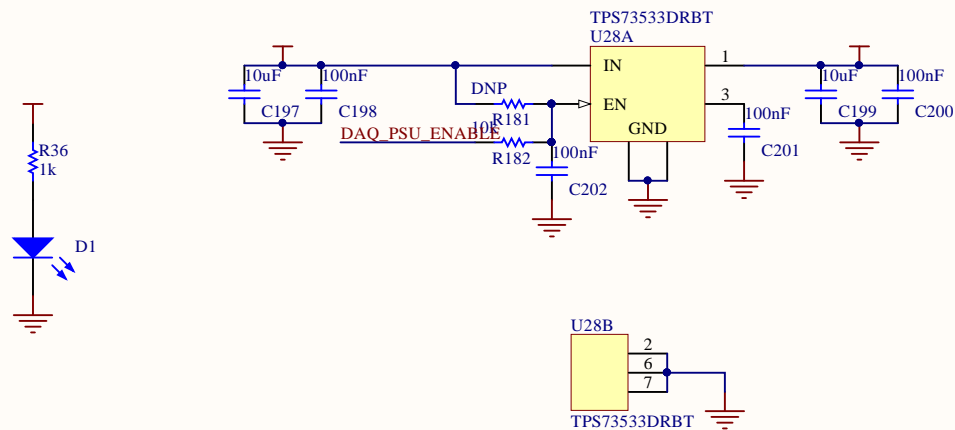
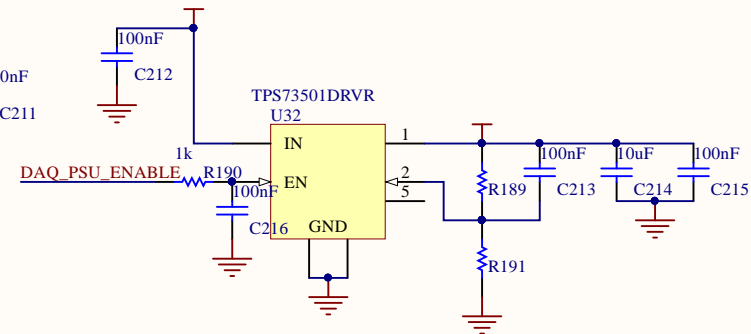
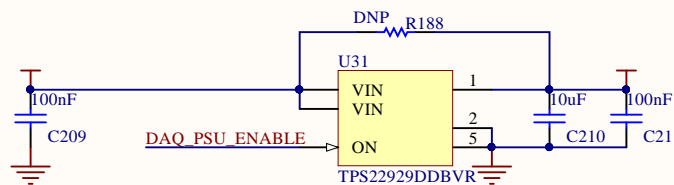
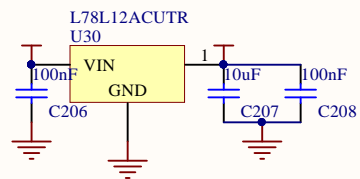
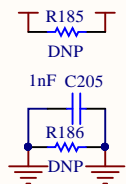
OUTPUT\_BUS\_USB[0..3]



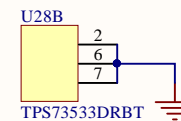
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A4		
Date:	14/04/2020	Sheet of
File:	D:\github\...OPTO_ISOLATION.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	14/04/2020	Sheet of
File:	D:\github\...\Phase Modulator Transmitter\...	Sheet of

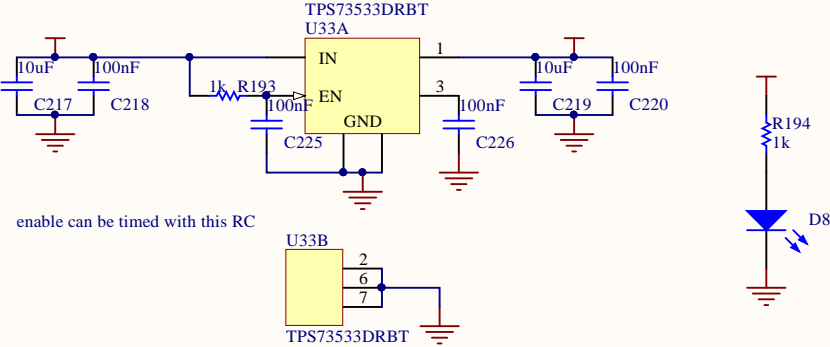


DAQ\_PSU\_ENABLE

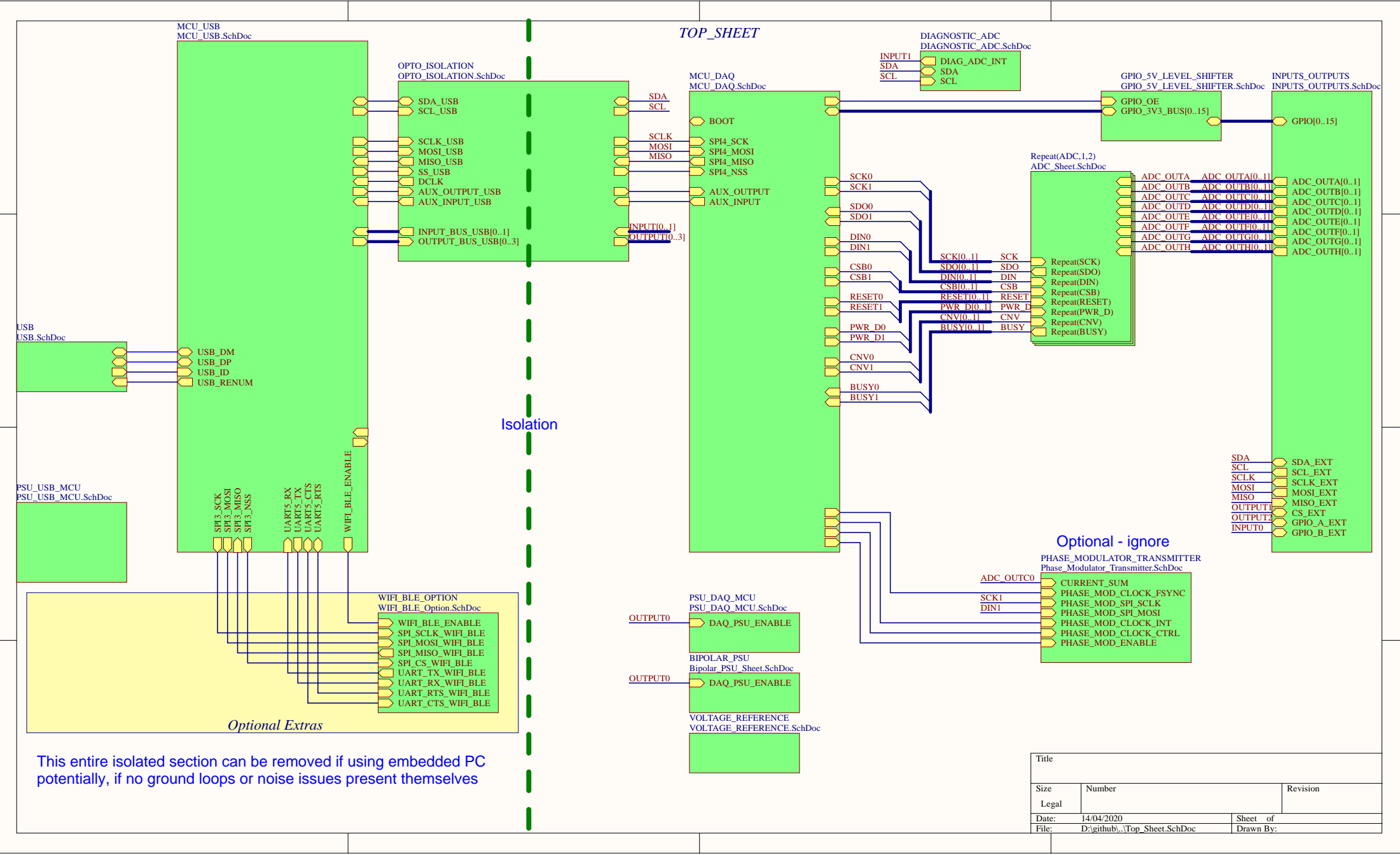


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Date:	14/04/2020	Sheet of
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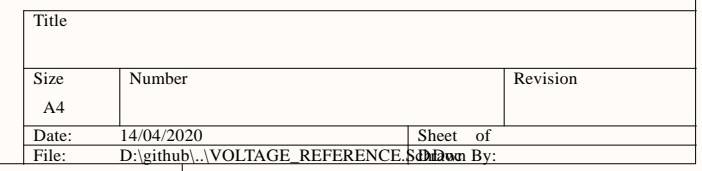
LDO for 3.3V output for general use



Title		
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Date:	14/04/2020	Sheet of
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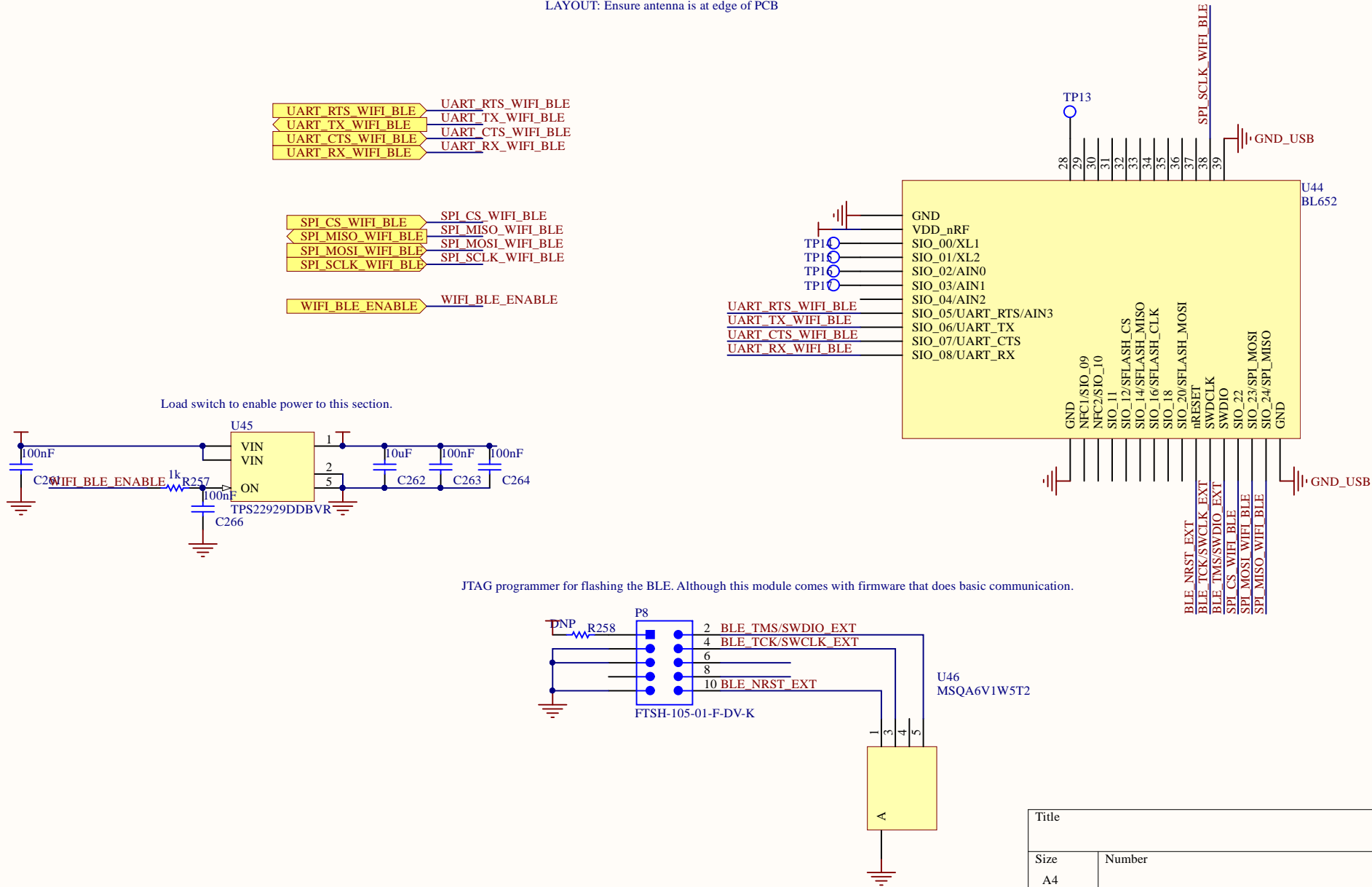




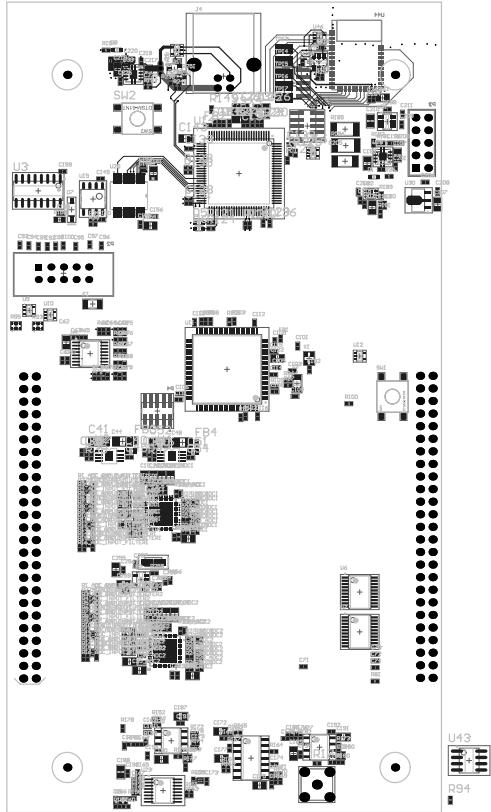


This is for nrf52 BLE module. This gives BLE communication functionality for talking to wireless sensors.  
Might WiFi option but probably overkill.

LAYOUT: Ensure antenna is at edge of PCB



Title		
Size	Number	Revision
A4		
Date:	14/04/2020	Sheet of
File:	D:\github\WIFI_BLE Option\SchDoc	Drawn By:



[illegible]