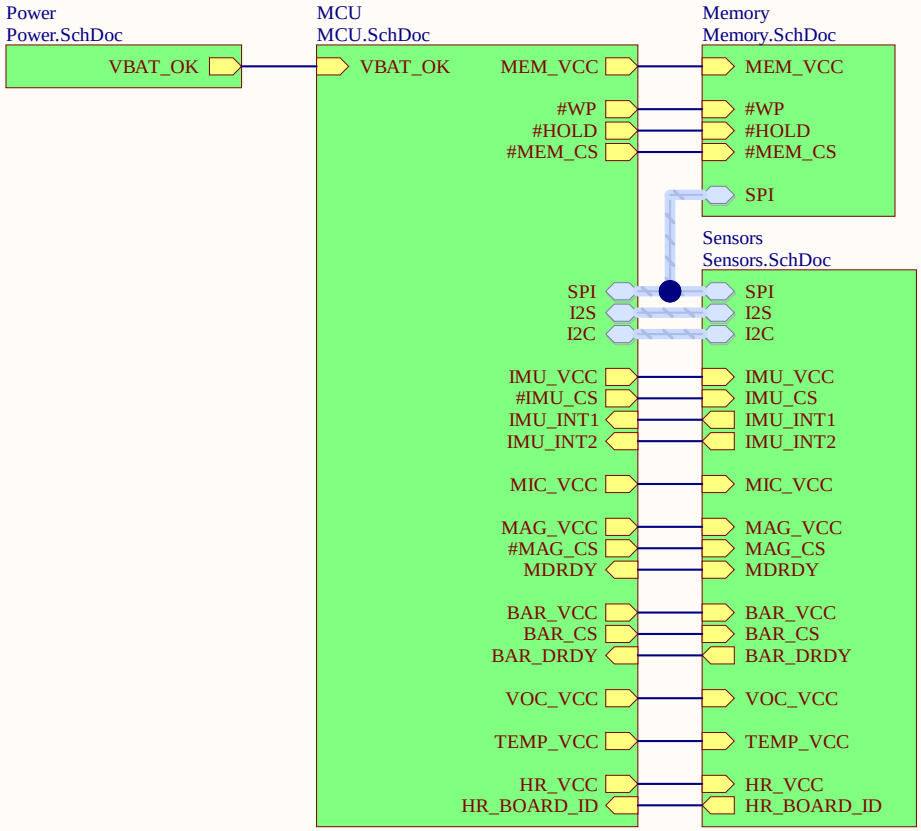

Title: *Top*	Sheet *1* of *5*
Project: *Smart PPE*	Variant: *v0.0*
Author: *Alexander Curtiss*	Date: *10/10/2020*
E-Mail: *alexander.curtiss@u.northwestern.edu*	
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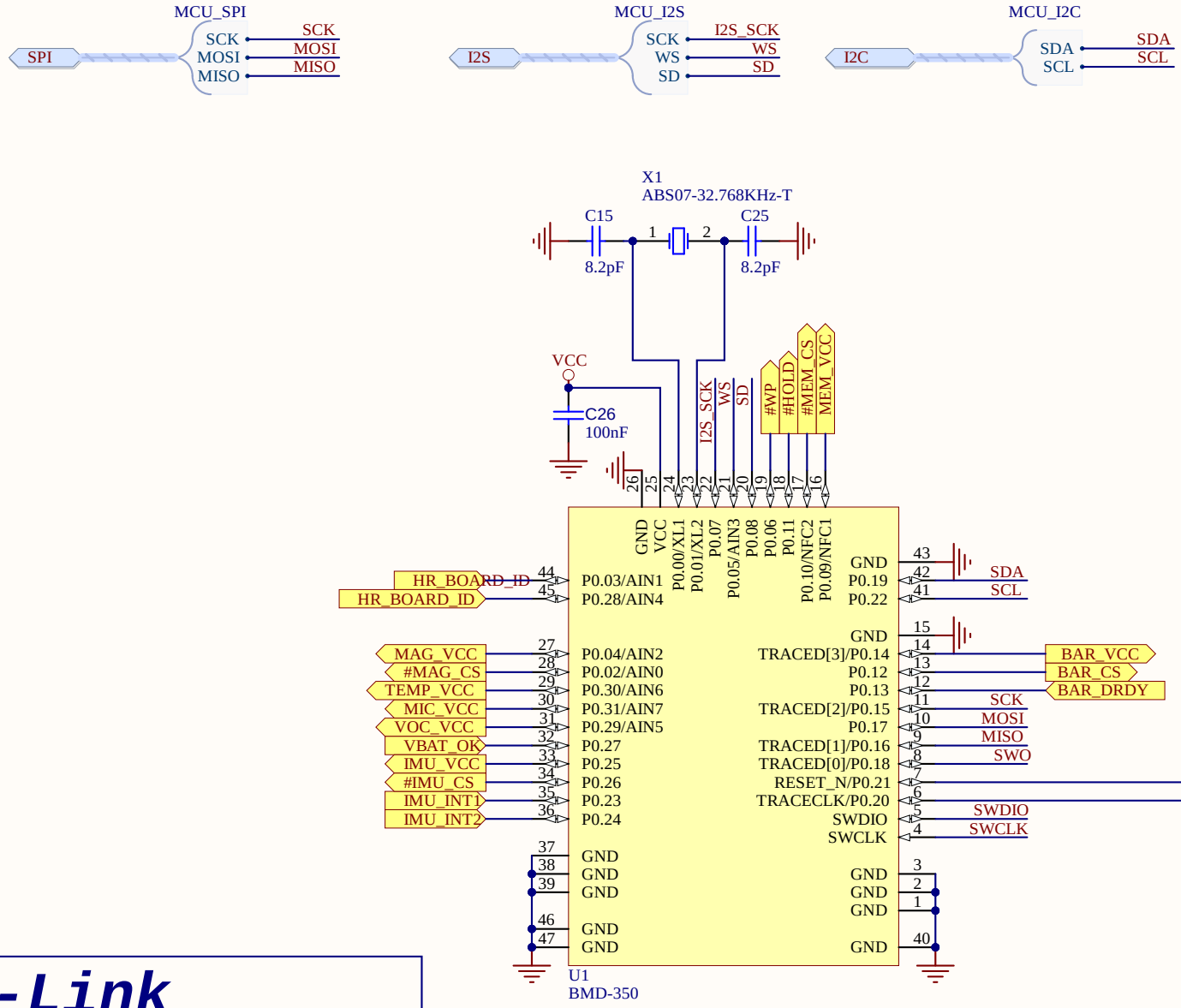

Title: *MCU*		Sheet *2* of *5*
Project: *Smart PPE*	Variant: *v0.0*	
Author: *Alexander Curtiss*	Date: *10/10/2020*	
E-Mail: *alexander.curtiss@u.northwestern.edu*		
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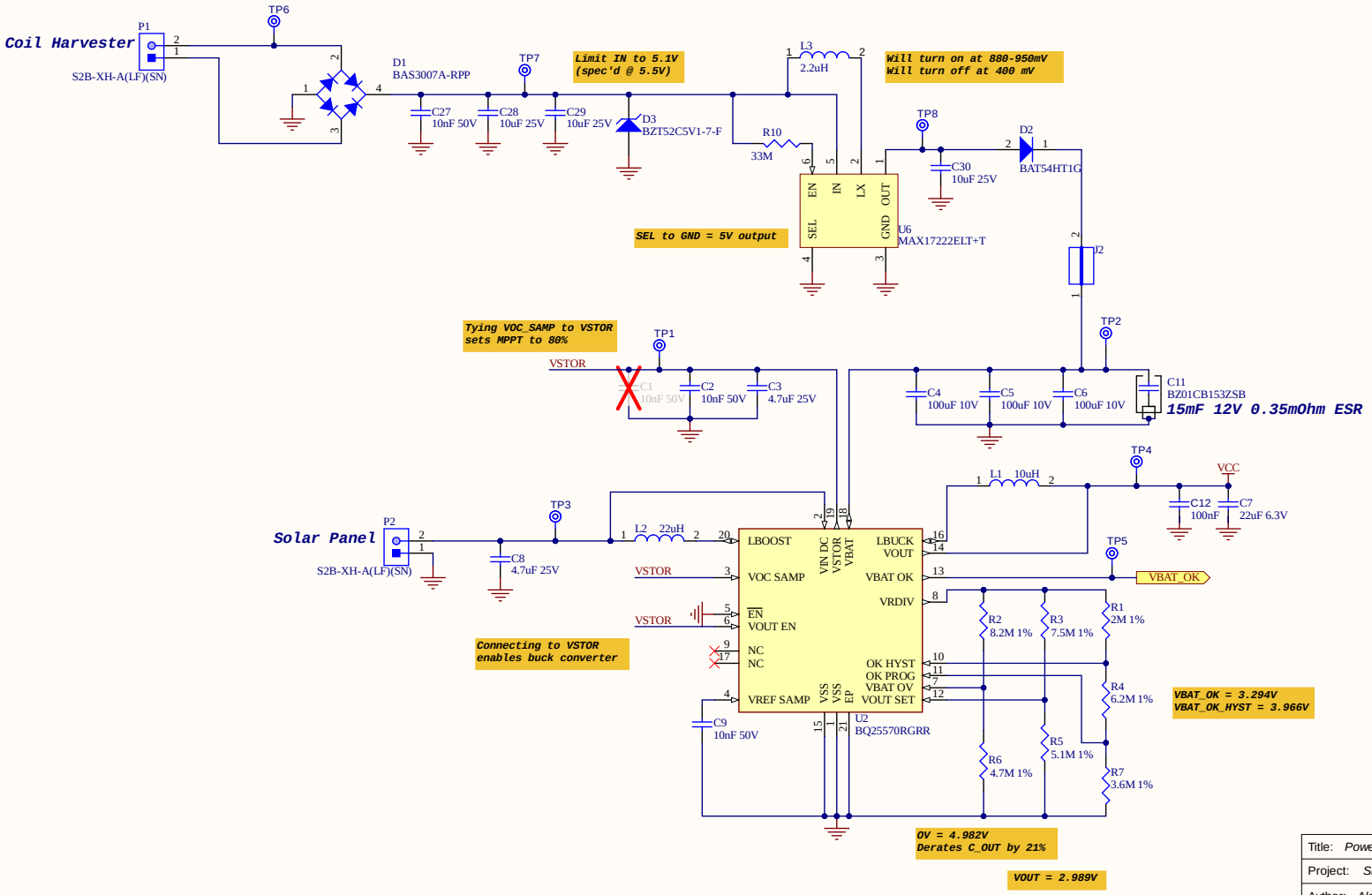
Power Harvesting



Title: *Power*		Sheet *3* of *5*
Project: *Smart PPE*	Variant: *v0.0*	
Author: *Alexander Curtiss*	Date: *10/10/2020*	
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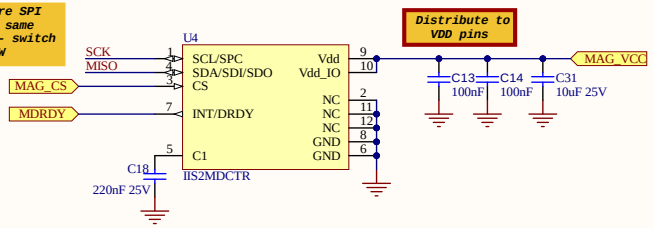
Communication Buses

I2C pulled high on MCU

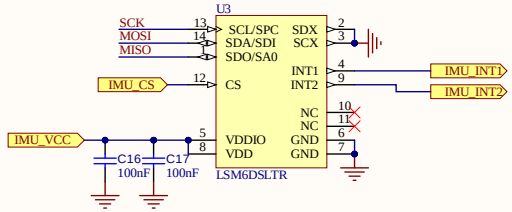
I2S SD pulled down on MCU

Magnetometer

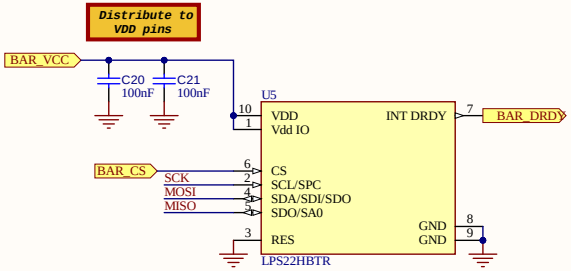
3-Wire SPI uses same bus - switch in SW



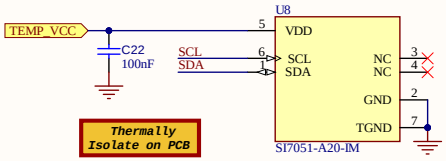
IMU



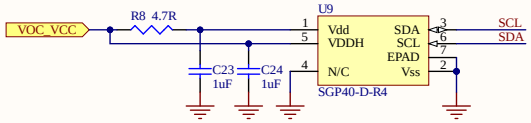
Barometer



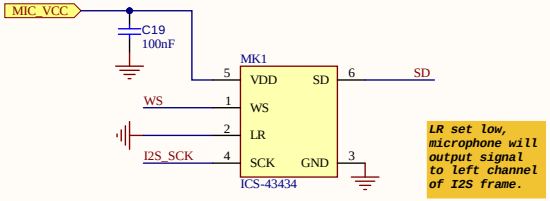
Temperature



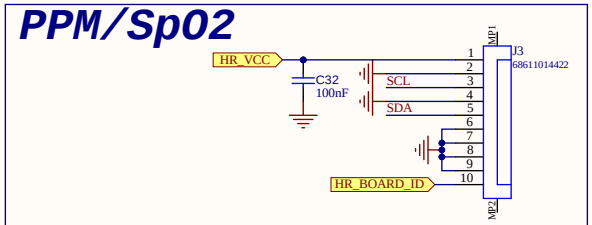
Air Quality



Microphone



PPM/SpO2



Title: *Sensors*		Sheet *4* of *5*
Project: *Smart PPE*	Variant: *v0.0*	
Author: *Alexander Curtiss*	Date: *10/10/2020*	
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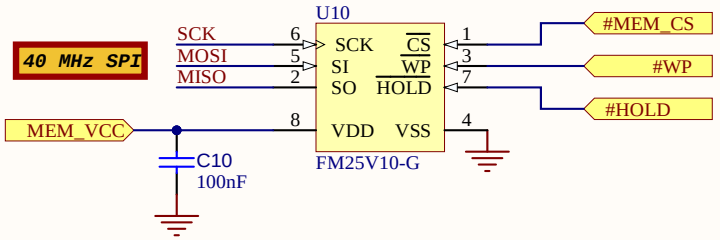
FRAM



Title: *Memory*		Sheet *5* of *5*
Project: *Smart PPE*	Variant: *v0.0*	
Author: *Alexander Curtiss*	Date: *10/10/2020*	
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