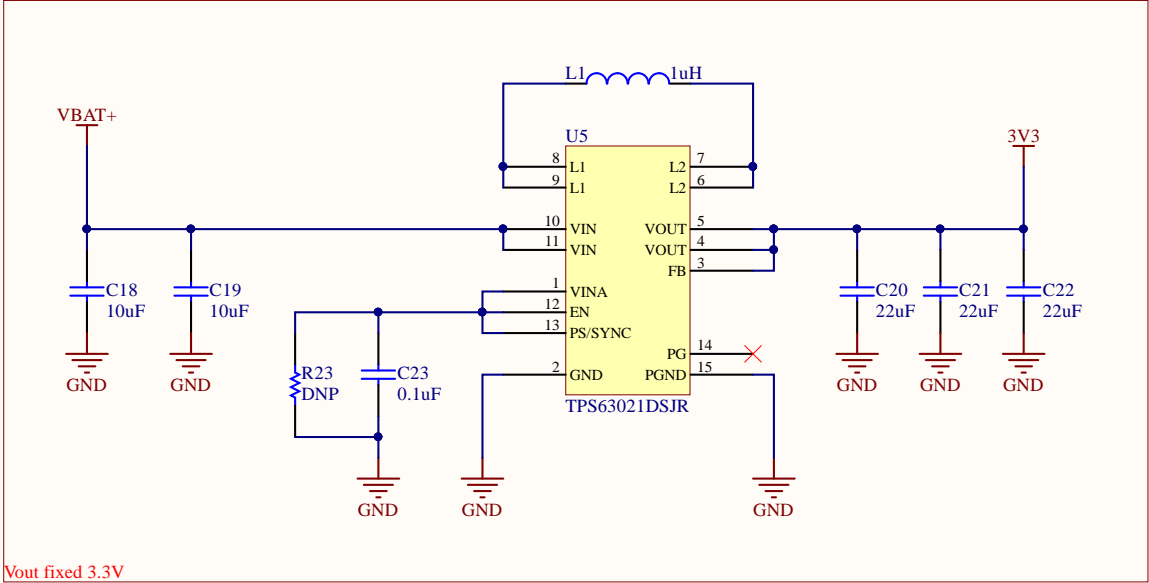
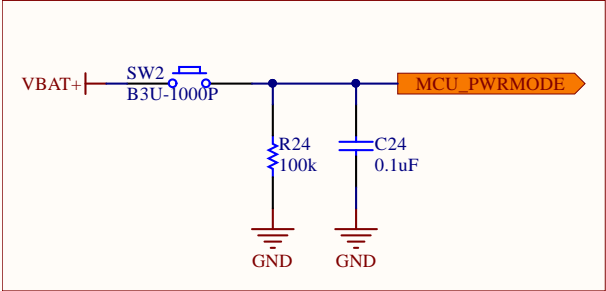


Title		
IoBPMBlockDiagram V1.0.SchDoc		
Size	Number	Revision
A4		V1.0
Date:	2019-05-21	Sheet 1 of 5
File:	C:\Users\...\IoBPMBlockDiagram V1.0.SchDoc	
Download By:		Selena Halvorson

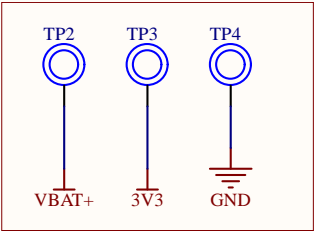
Boost Converter



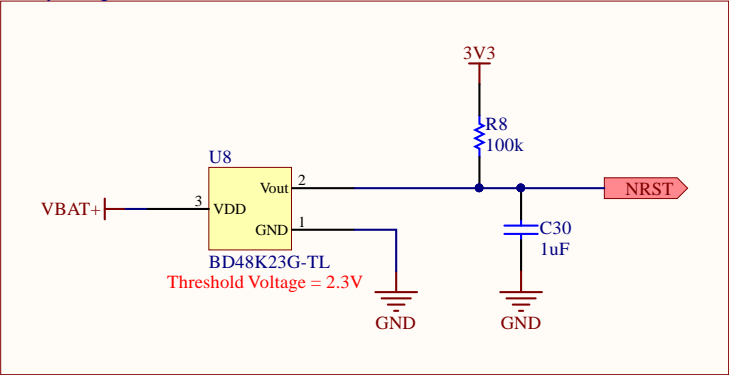
Power On/Off



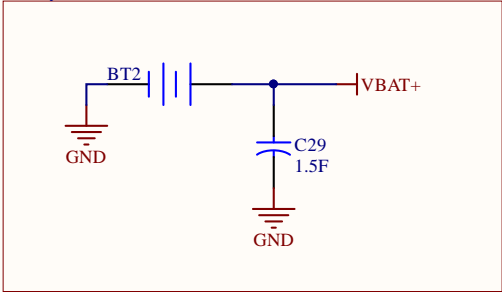
Power Test Points



Battery Voltage Detector



Battery



Title		
IoBMPower V1.0.SchDoc		
Size	Number	Revision
A		V1.0
Date:	2019-05-21	Sheet 2of 5
File:	C:\Users\...\IoBMPower V1.0.SchDoc	Drawn By: Selena Halvorson

A

B

C

D

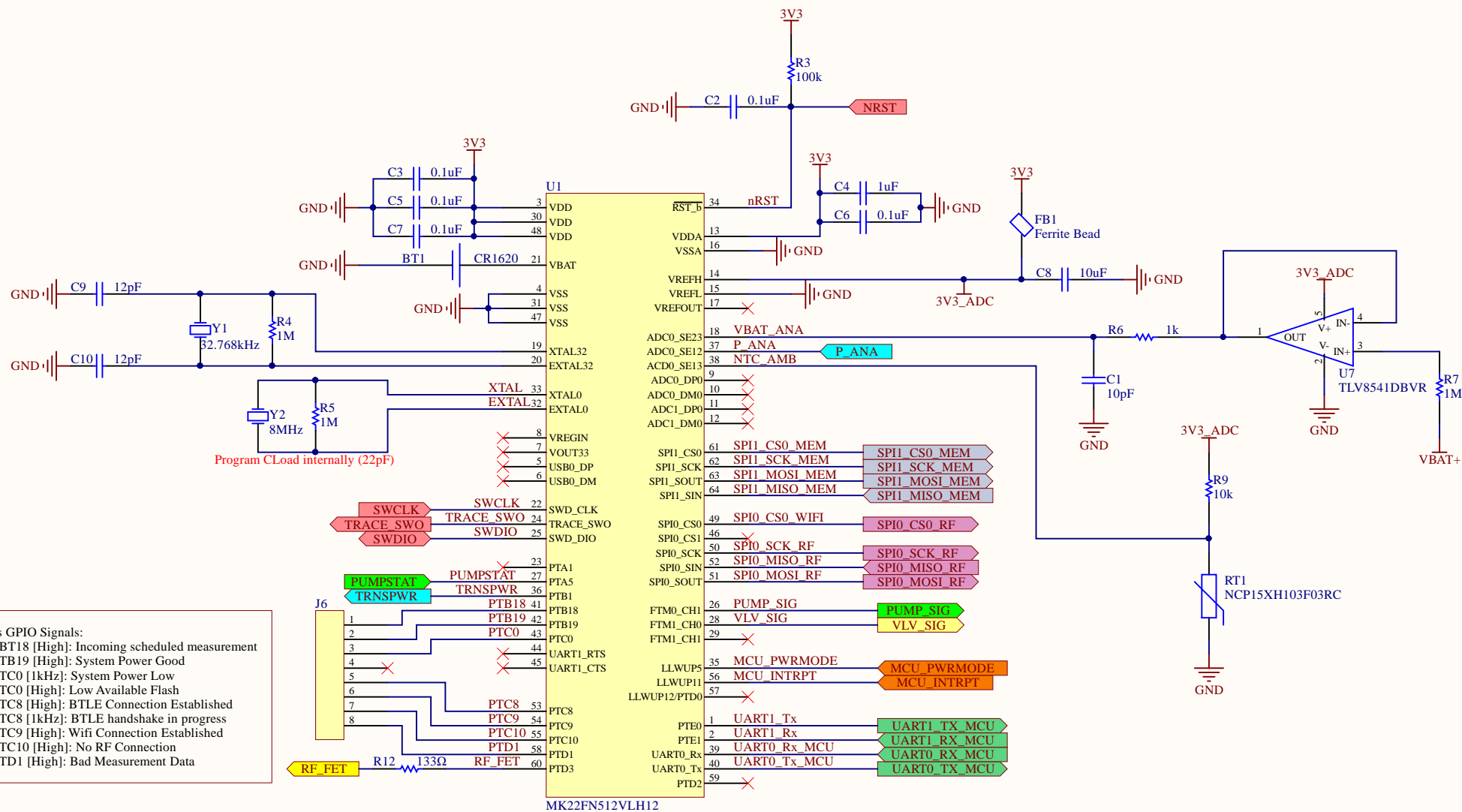
A

B

C

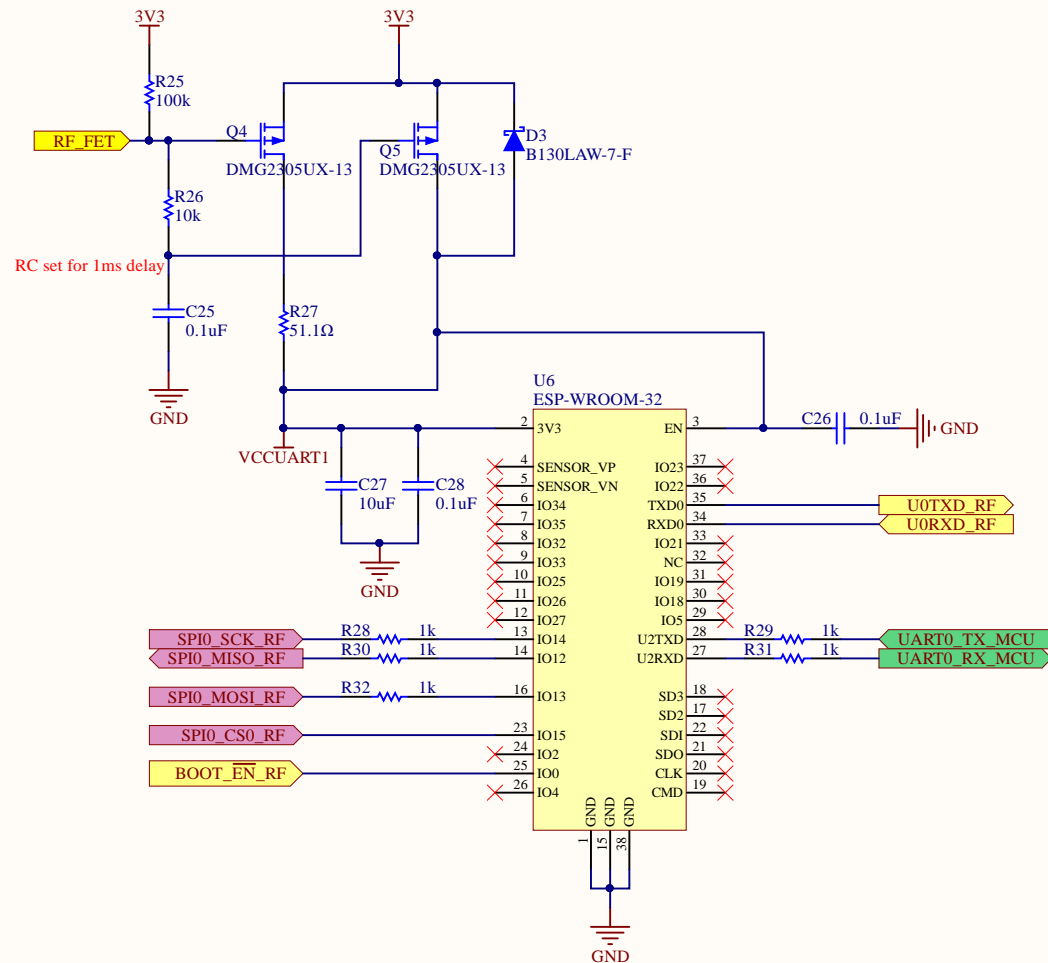
D

- Status GPIO Signals:
- PBT18 [High]: Incoming scheduled measurement
 - PTB19 [High]: System Power Good
 - PTC0 [1kHz]: System Power Low
 - PTC0 [High]: Low Available Flash
 - PTC8 [High]: BTLE Connection Established
 - PTC8 [1kHz]: BTLE handshake in progress
 - PTC9 [High]: Wifi Connection Established
 - PTC10 [High]: No RF Connection
 - PTD1 [High]: Bad Measurement Data

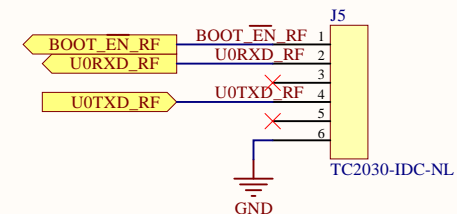


Title		
IoBPMMicrocontroller V1.0.SchDoc		
Size	Number	Revision
A4		V1.0
Date:	2019-05-21	Sheet 3 of 5
File:	C:\Users\...IoBPMMicrocontroller V1.0.SchDoc	

Wifi Module

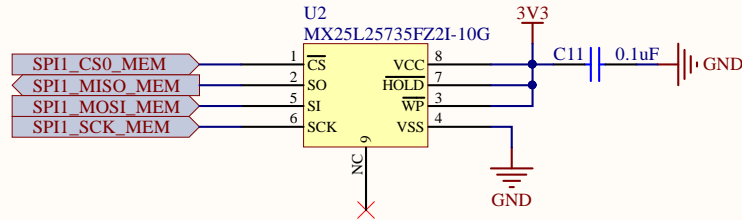


Module Programming Pogo Pads

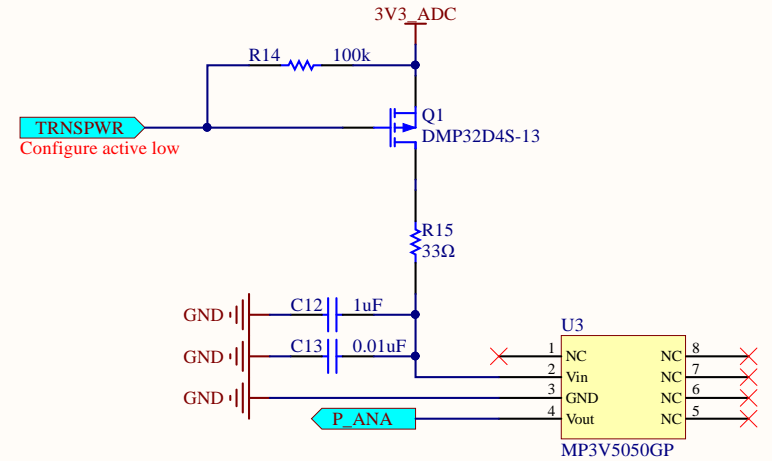


Title IoBPMWifi-BTLE V1.0.SchDoc		
Size A4	Number	Revision V1.0
Date: 2019-05-21	Sheet 4 of 5	
File: C:\Users\...\IoBPMWifi-BTLE V1.0.SchDoc	Drawn By: Selena Halvorson	

External Memory

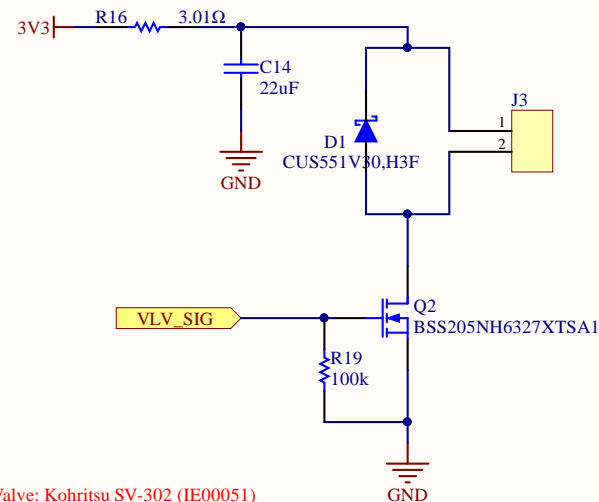


Pressure Transducer



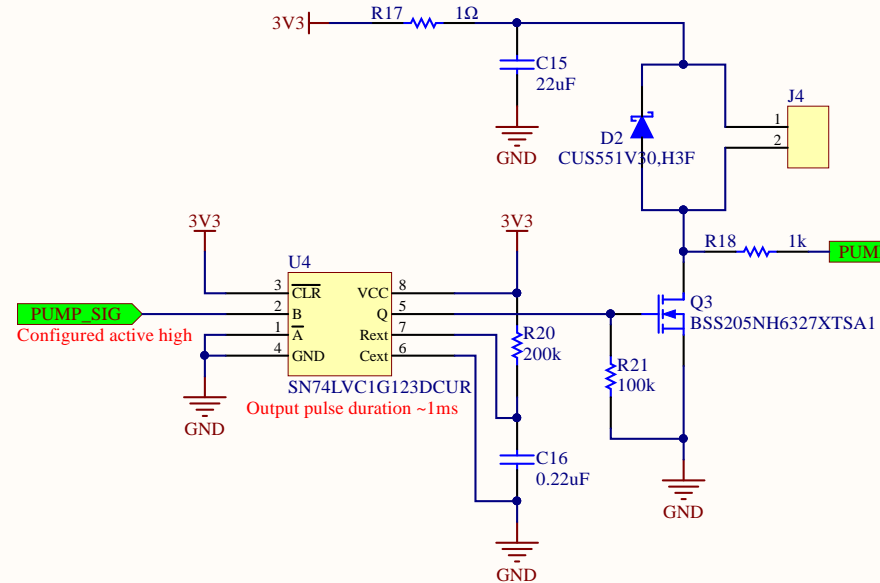
Transducer sampling frequency = 100Hz

Exhaust Valve



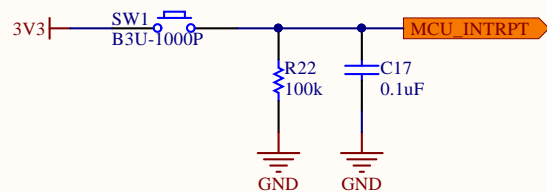
Valve: Kohritsu SV-302 (IE00051)
Valve Plug: AMP 3-641535-2 (IE00160)

Air Pump



Pump: Schwarzer 3DC12B RO-D (IM00001)
Pump Plug: AMP 3-641535-2 (IE00160)

MCU Interrupt Button



Use Notes:
- See use case for more information

Title		
IoBPMPeripherals V1.0.SchDoc		
Size	Number	Revision
A		V1.0
Date:	2019-05-21	Sheet 5of 5
File:	C:\Users\...\IoBPMPeripherals V1.0.SchDoc	Drawn By: Selena Halvorson

