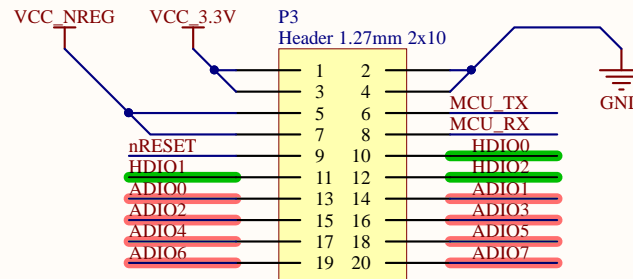
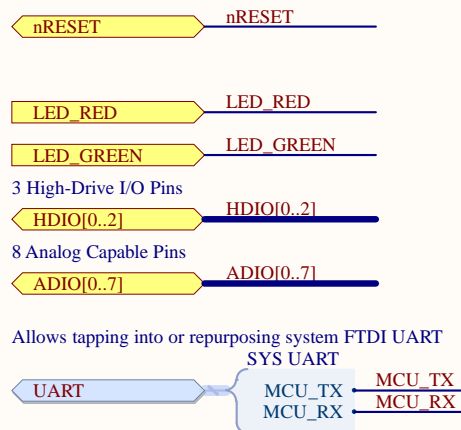
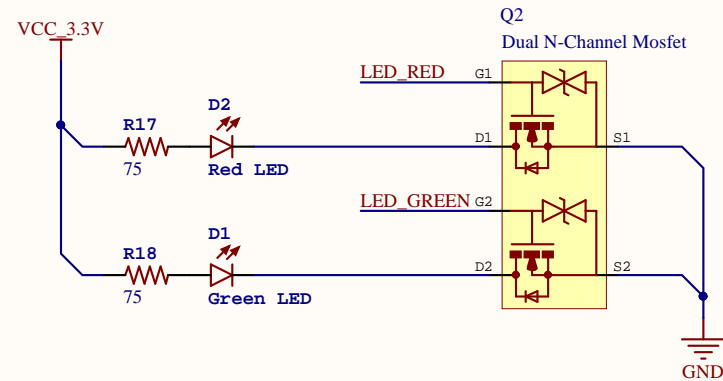
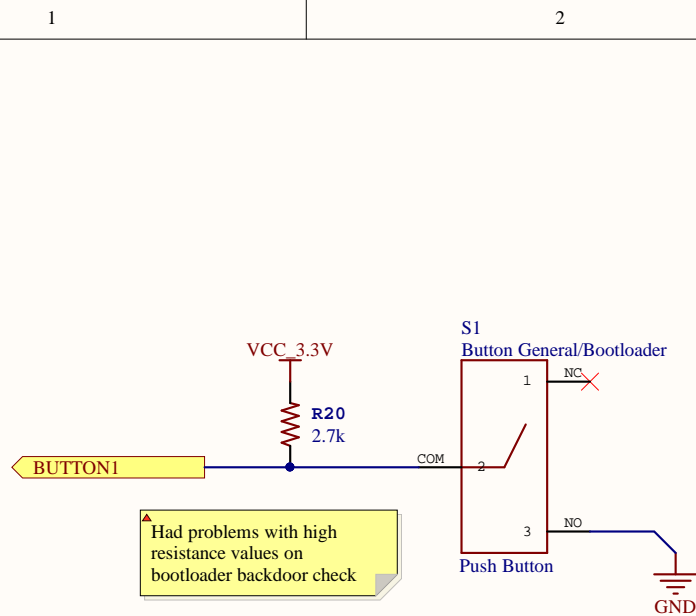
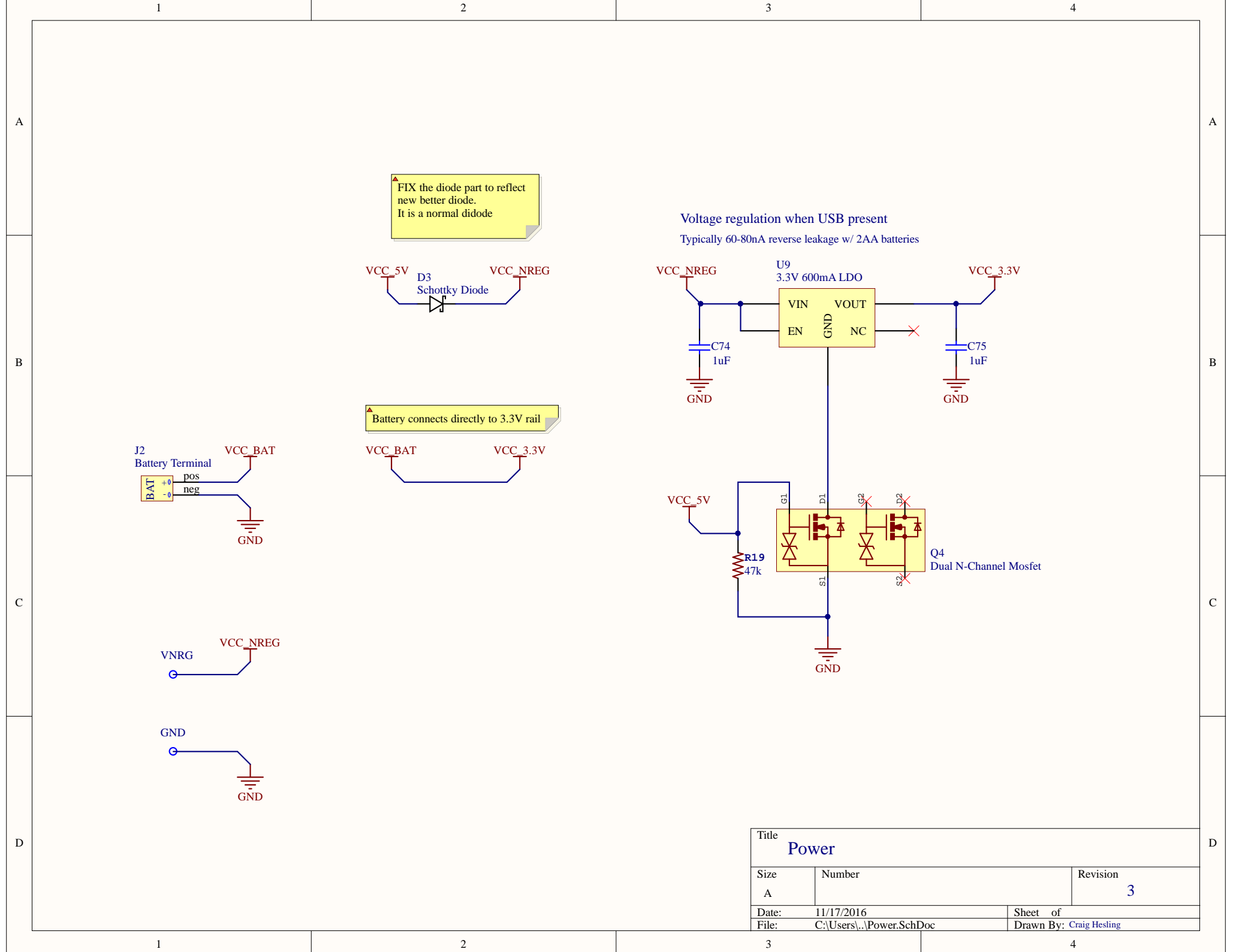


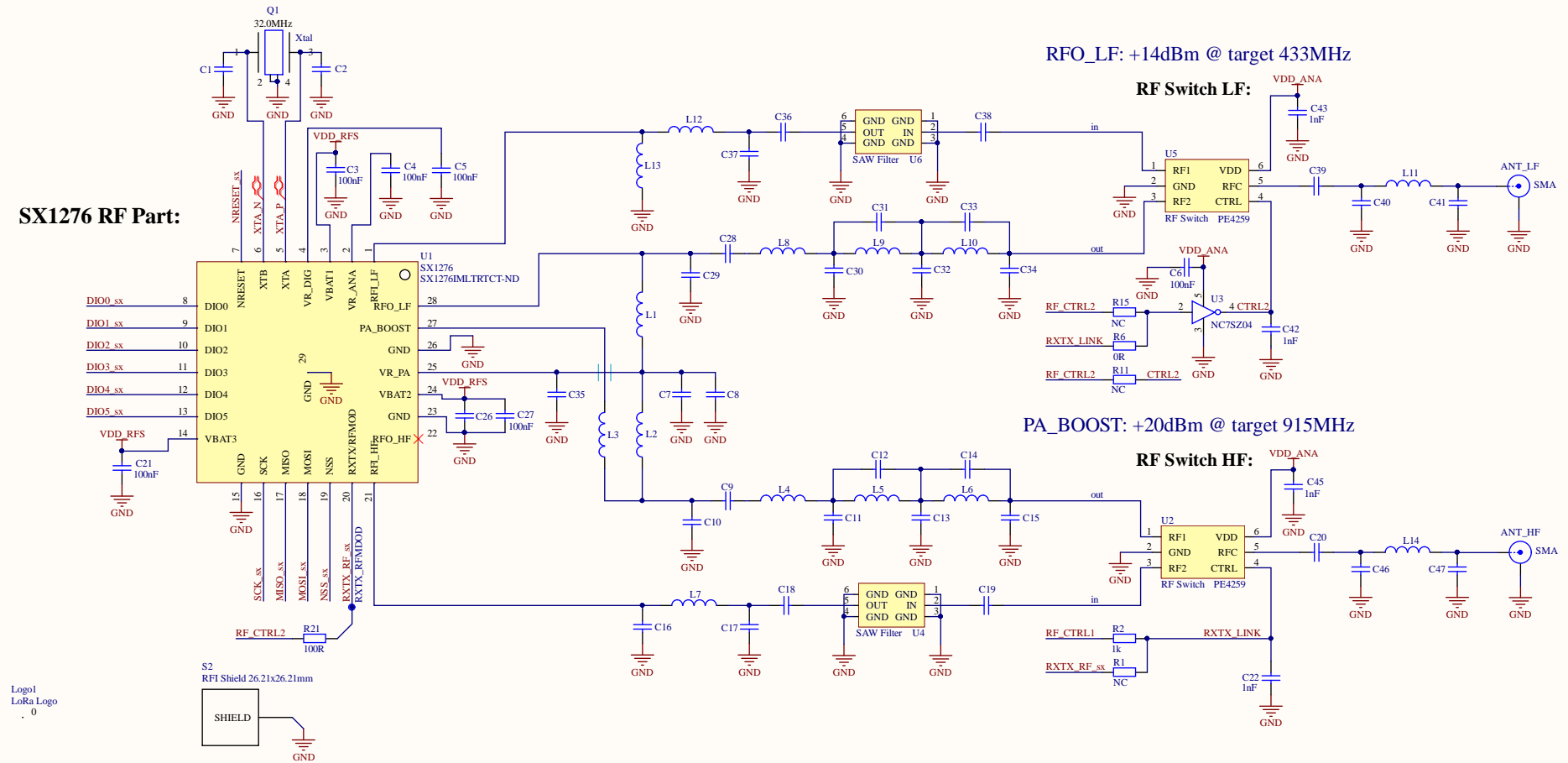
Title			
TI CC2650 Radio and MCU			
Size	Number	Revision	
A3		3	
Date:	11/17/2016	Sheet of	
File:	C:\Users\... \CC2650MCURadio.SchDoc	Drawn By: Craig Hesling	



Title		
Peripherals		
Size	Number	Revision
A		3
Date:	11/17/2016	Sheet of
File:	C:\Users\...\Peripherals.SchDoc	Drawn By: Craig Hesling



SX1276 RF Part:



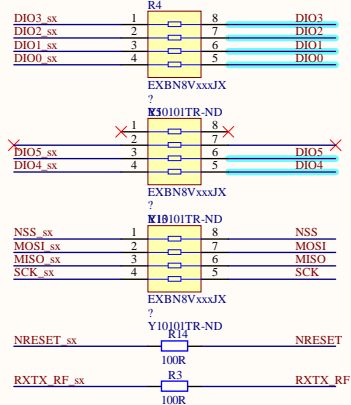
RFO_LF: +14dBm @ target 433MHz

RF Switch LF:

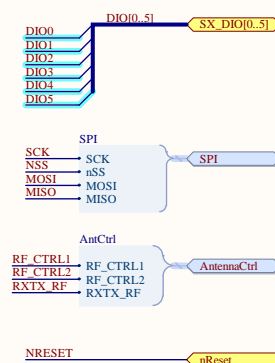
PA_BOOST: +20dBm @ target 915MHz

RF Switch HF:

100Ohm Resistors:



Interface:



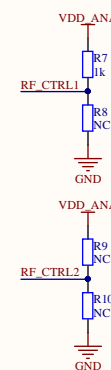
Power Input:



Power Select:



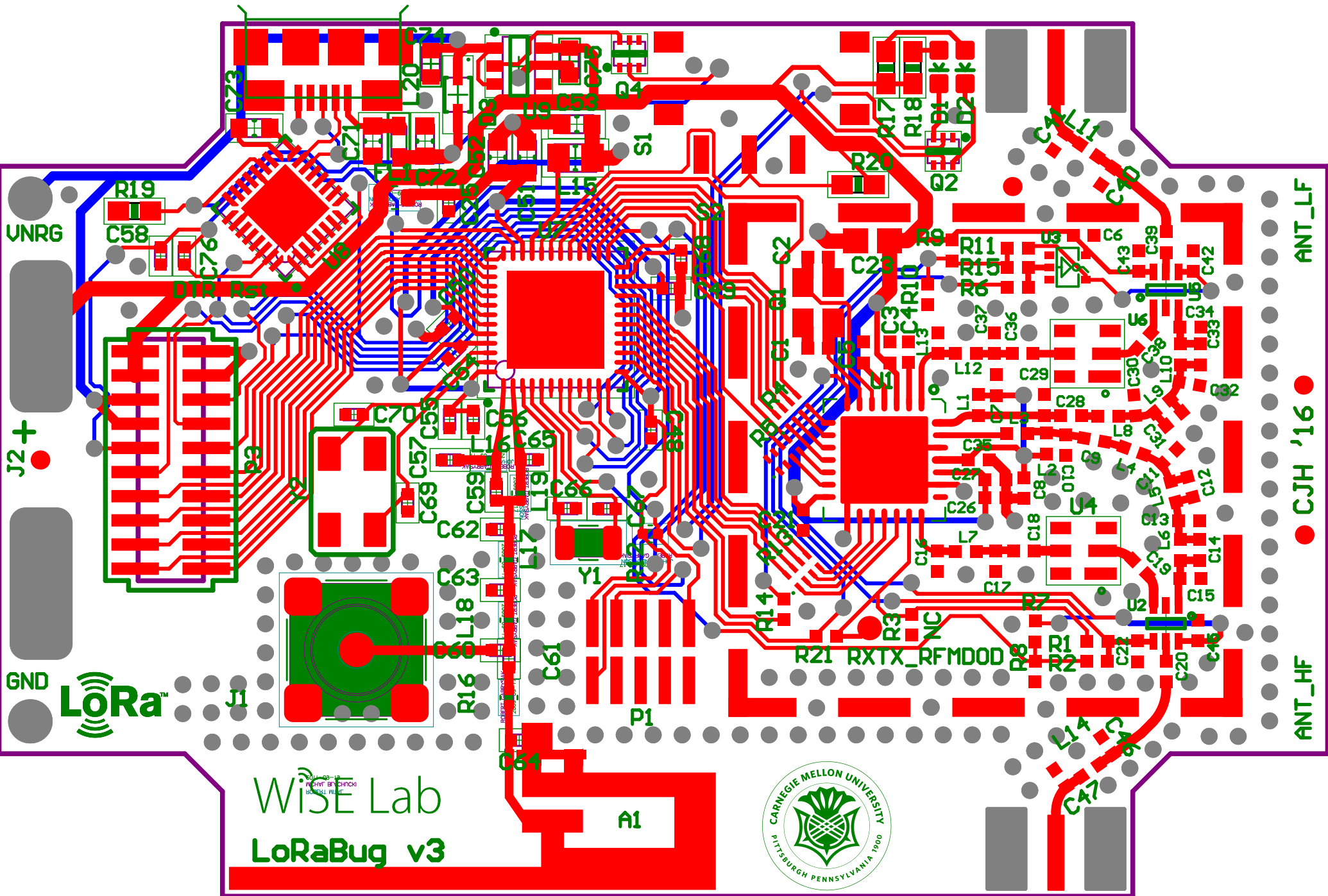
Pullup/Pulldowns:



Design Notes

- * PA_BOOST (Power Amplifier Boost) is configured for the high frequency(HF) side. This provides the +20dBm to the HF side. So, we do not use RFO_LF.
 - * The LF side can only do +14dBm with the RFO_LF.
 - * Saw filter U4 should be 16MHz wide and centered at 915MHz.
 - * Saw filter U6 should be centered at 433MHz.
 - * When RF Switch CTRL is high RF1 is selected.
- RF Switch Configuration:
 * The given resistor configuration is for linked control of both RF switched through RF_CTRL1.
 This is to mimic the controls of the Semtech mbed board.
 RF_CTRL2 is connected to the SX's RXTX_RF to get feedback from the SX.
 When RF_CTRL1 is high, both are in TX mode.

Title		
Semtech SX1276 Radio		
Size	Number	Revision
A3		3
Date:	11/17/2016	Sheet of
File:	C:\Users\...SX1276Radio.SchDoc	Drawn By: Craig Hesling



LoRa
LoRaBug v3



ANT_HF ● CJH '16 ● ANT_LF