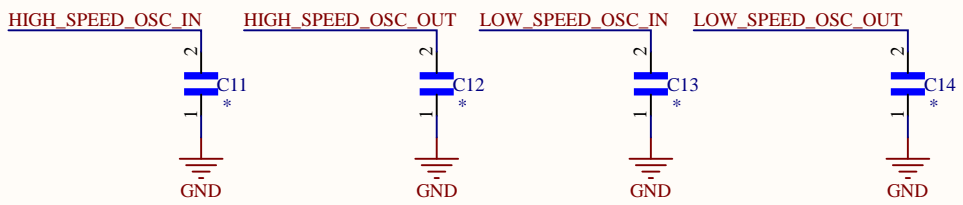
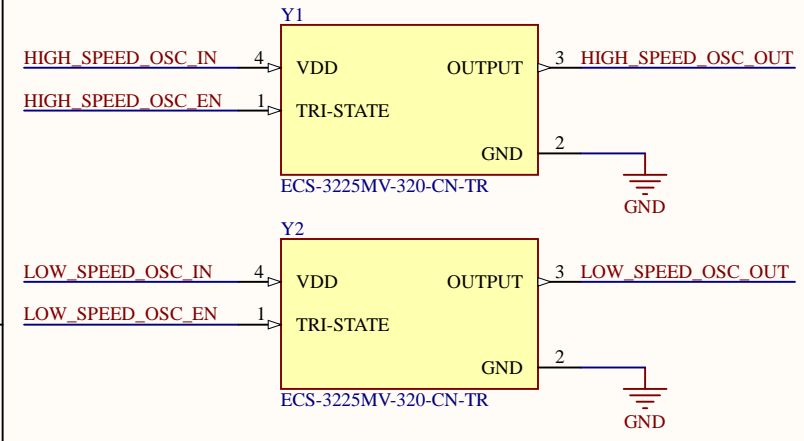


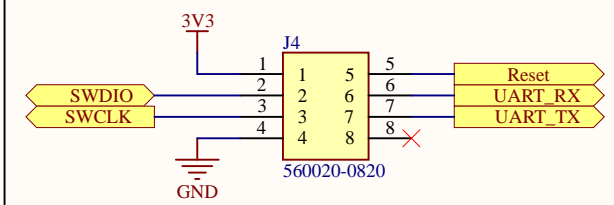
Crystals Smoothing Cap



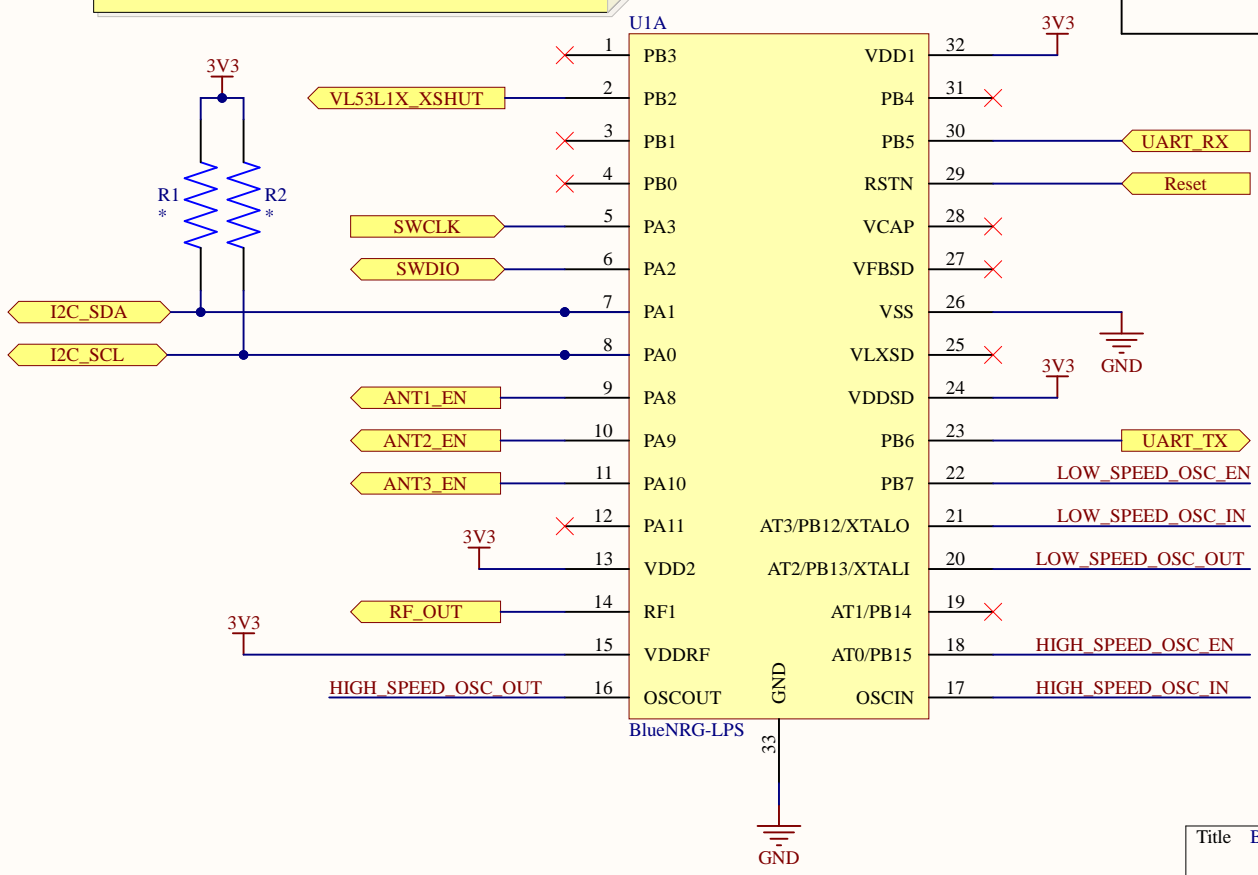
32MHz Crystals



Programming Connector



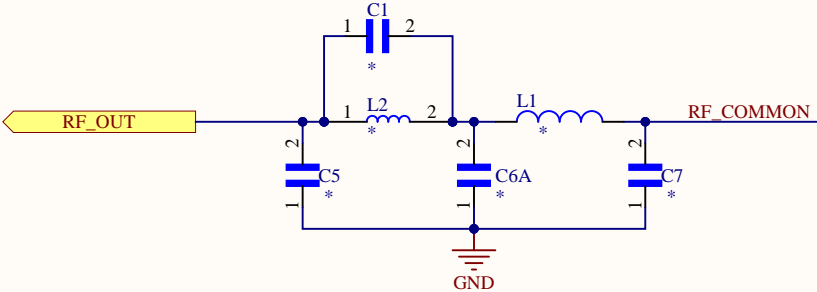
From VL53L0X Datasheet: External pull-up resistors values can be found in I2C-bus specification. Pull-up are typically fitted only once per bus, near the host. Recommended values for pull-up resistors for an AVDD of 2.8V and 400KHz I2C clock



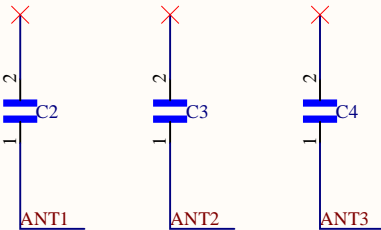
BLE

Title BlueNRG-LPS		
Size A	Number	Revision
Date: 7/27/2023	Sheet of	
File: C:\Users\...\Proc.SchDoc	Drawn By: Justin Vuong	

Antenna Matching Circuit

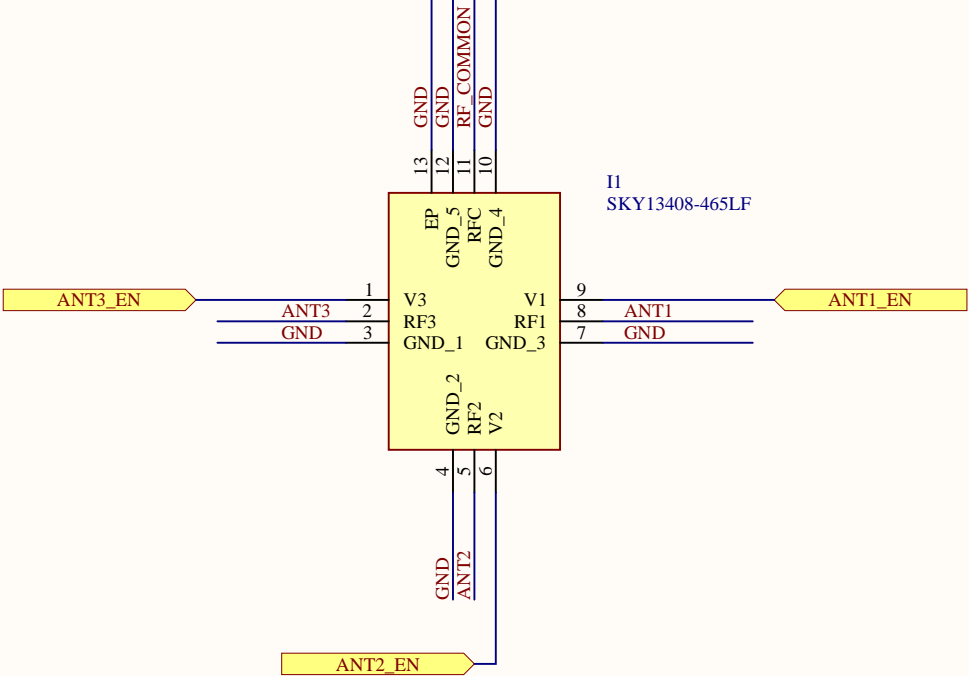


DC Blocking Capacitors
 $X_c = 1 / (2 * \pi * f * c)$ where $f = 2.4\text{GHz}$, $X_c = 50 * 0.01$ hence
 $C = 1 / (2 * \pi * 2.4 * 10^{12} * 0.5)$

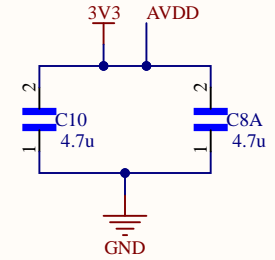
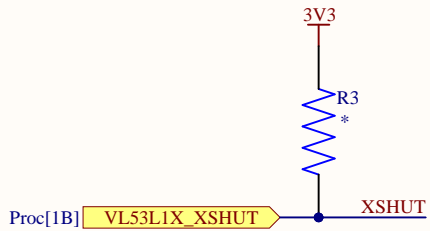


Antenna Connectors

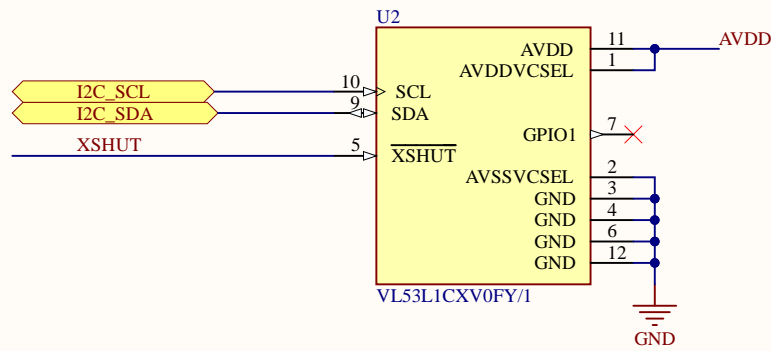
Antenna Switch



Title Antenna		
Size A	Number	Revision
Date: 7/27/2023	Sheet of	
File: C:\Users\...\Antenna.SchDoc	Drawn By: Justin Vuong	



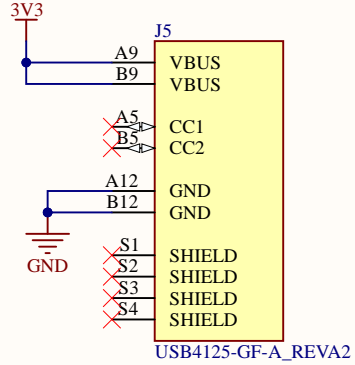
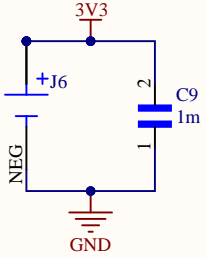
Decoupling Capacitors



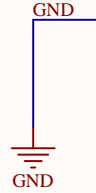
Time of Flight Sensor

Title VL53L0X		
Size A	Number	Revision
Date: 7/27/2023	Sheet of	
File: C:\Users\...\Sensor.SchDoc	Drawn By: Justin Vuong	

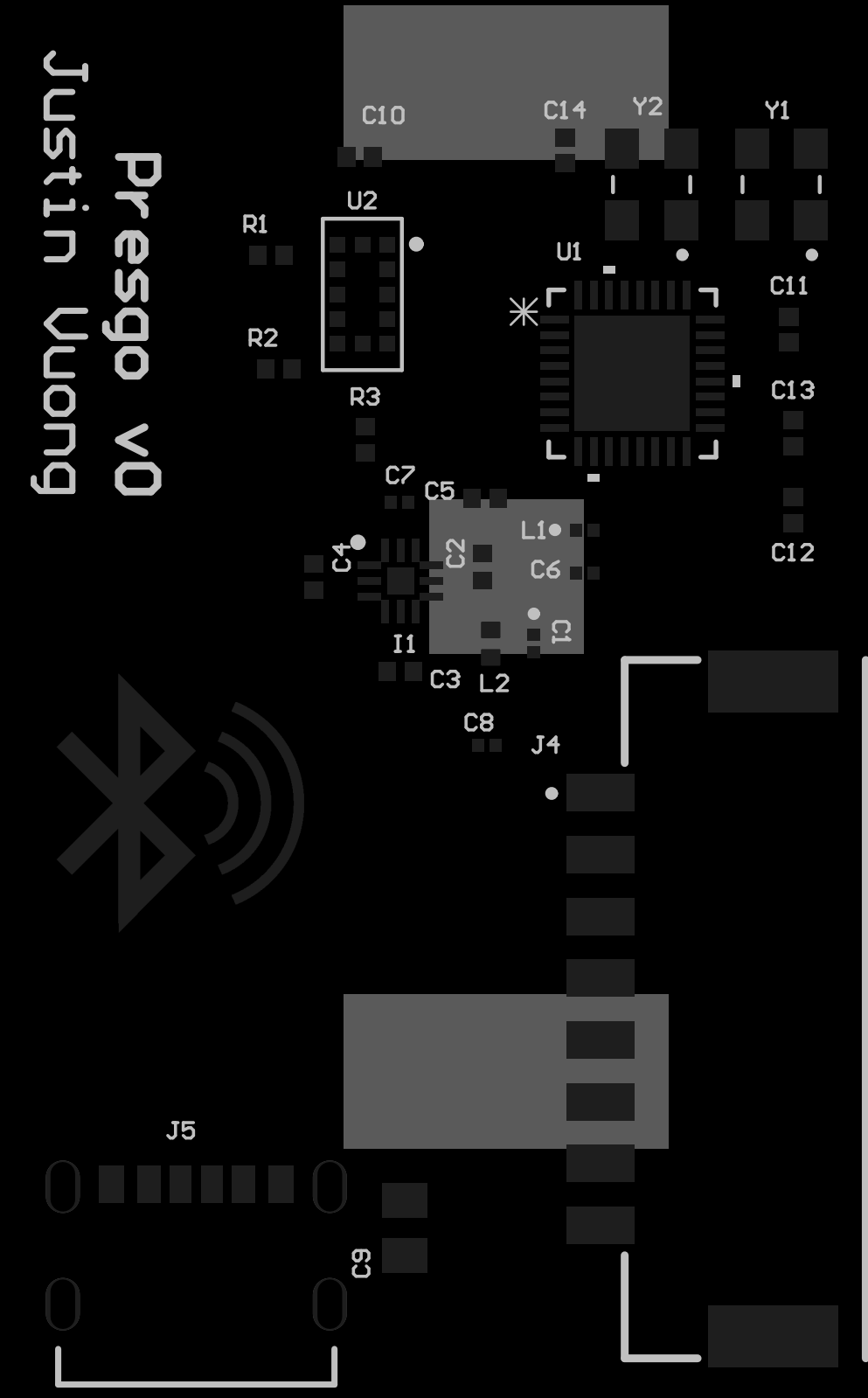
CR2477 Power



Ground



Title Power		
Size A	Number	Revision
Date: 7/27/2023	Sheet of	
File: C:\Users\...\Power.SchDoc	Drawn By: Justin Vuong	



Presgo v0
Justin Vuong

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