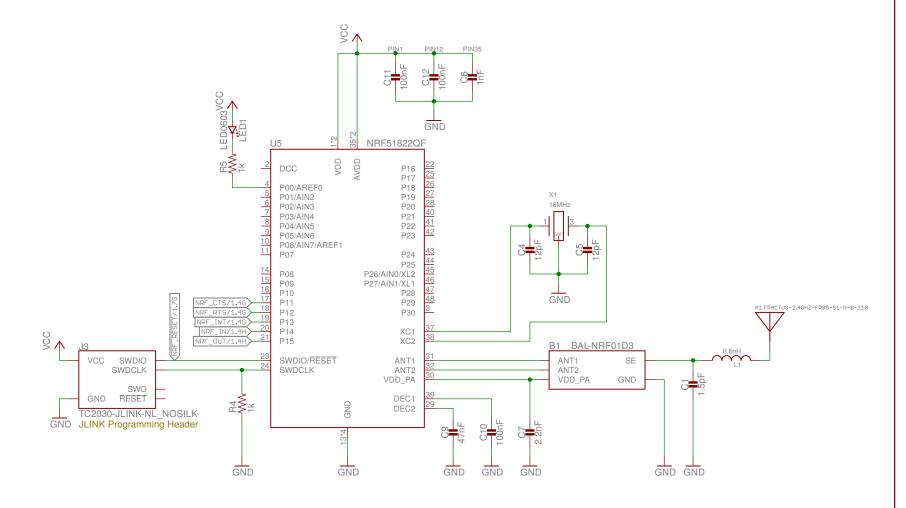


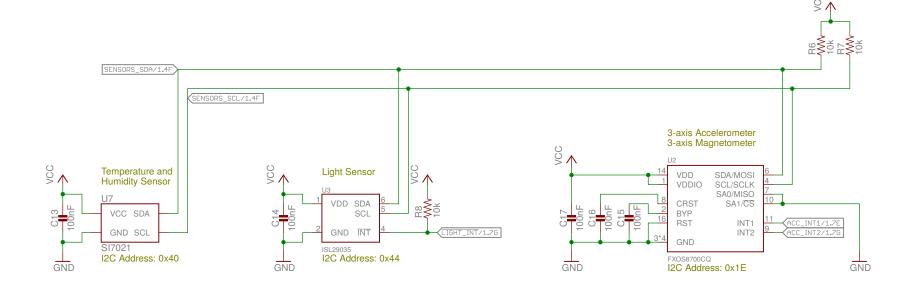
BLE Radio



M Hail	REV: A
Author: Branden Ghena	
Date: 12/16/16 10:27 PM Sheet: 2	2/4

)

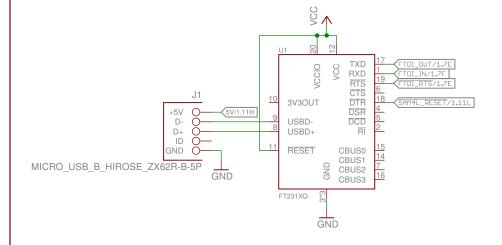
Sensors

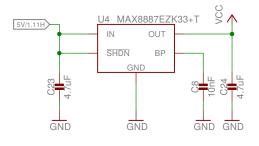


M Hail					
Author: Branden Ghena					
Date: 12/16/16 10:27 PM She	eet: 3/4				

2

Power and USB

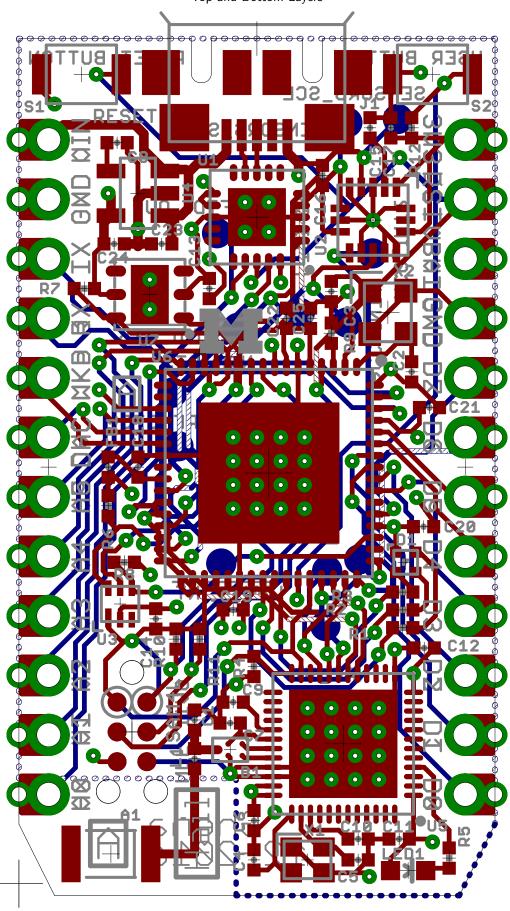


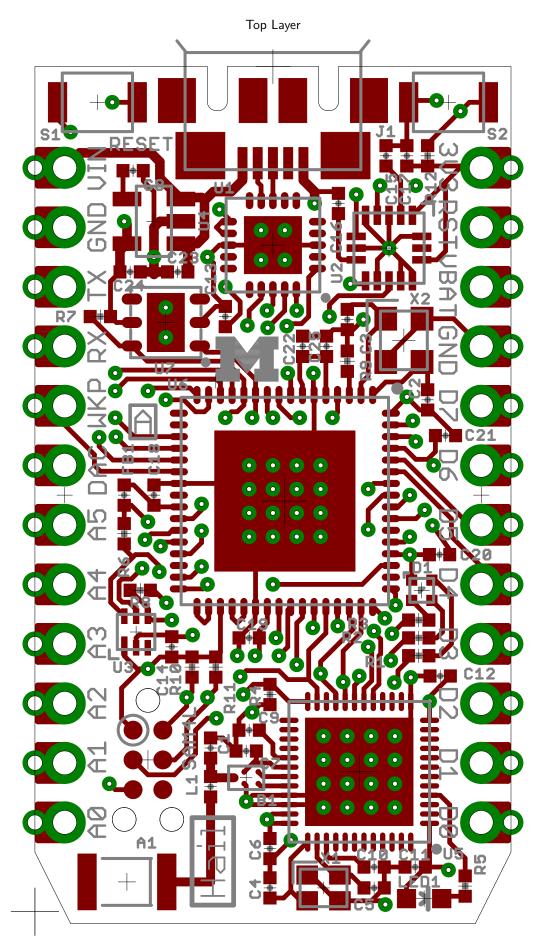


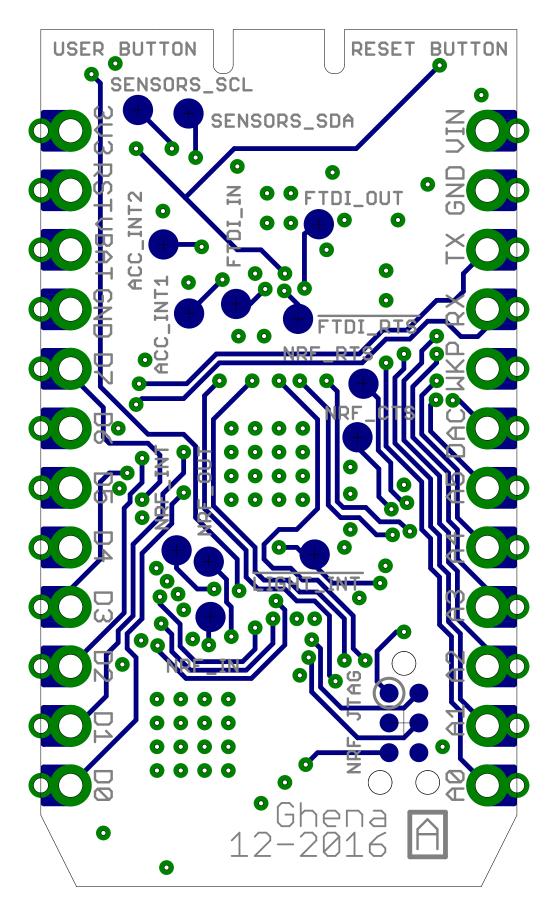
				REV:
	Hail			A
_	 	1		

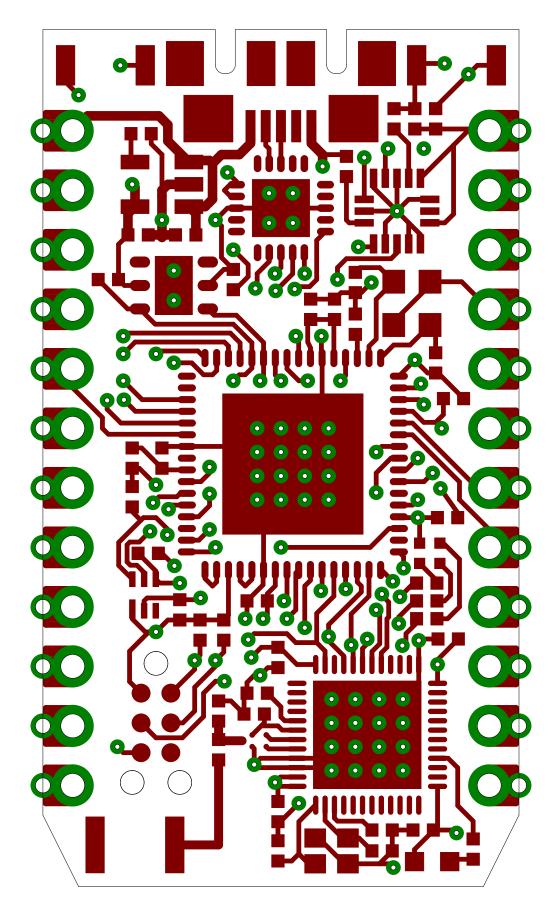
Author: Branden Ghena

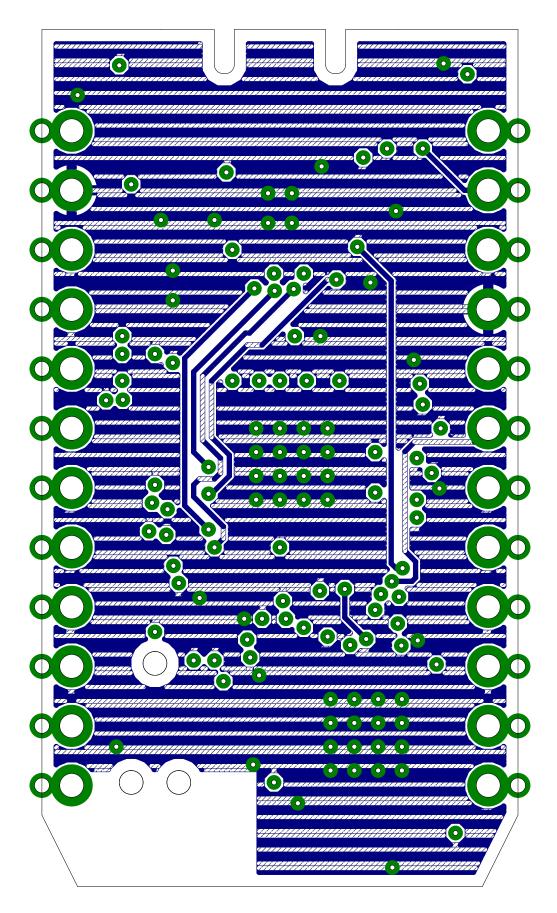
Date: 12/16/16 10:27 PM Sheet: 4/4

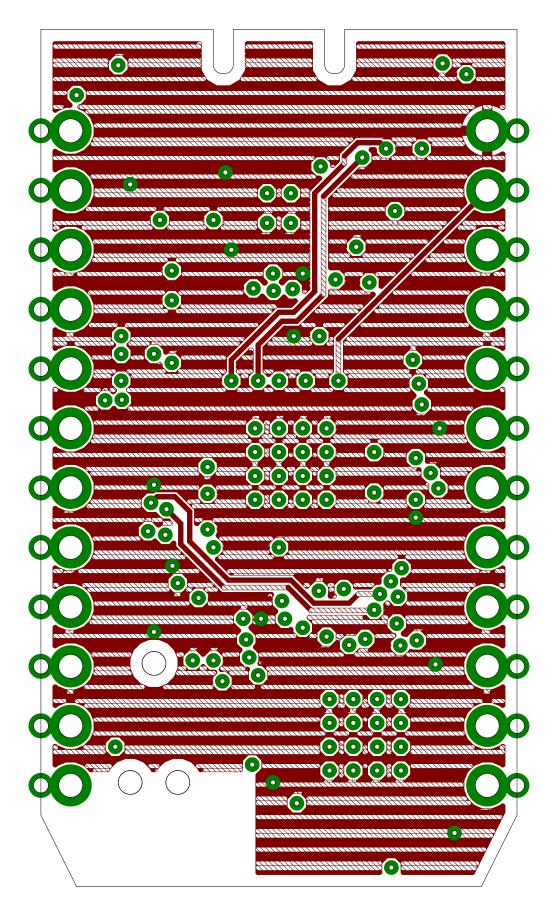


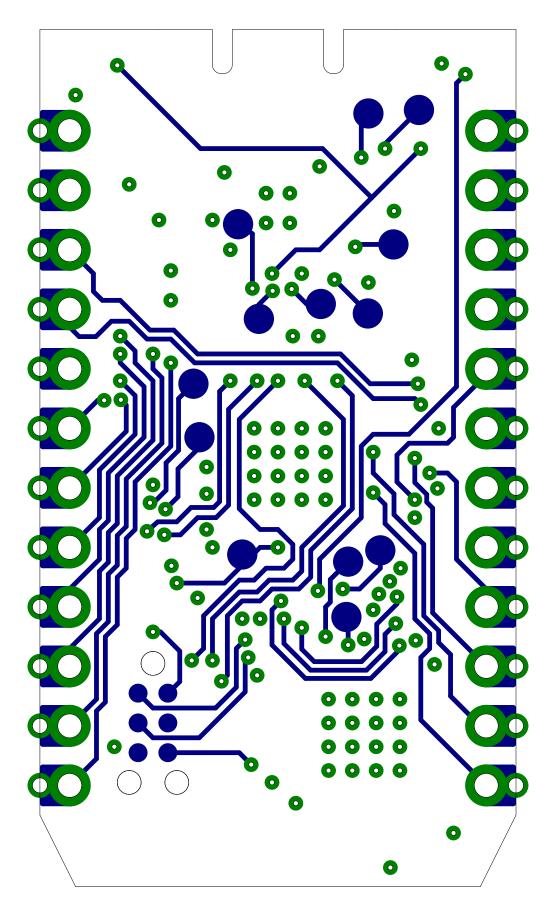


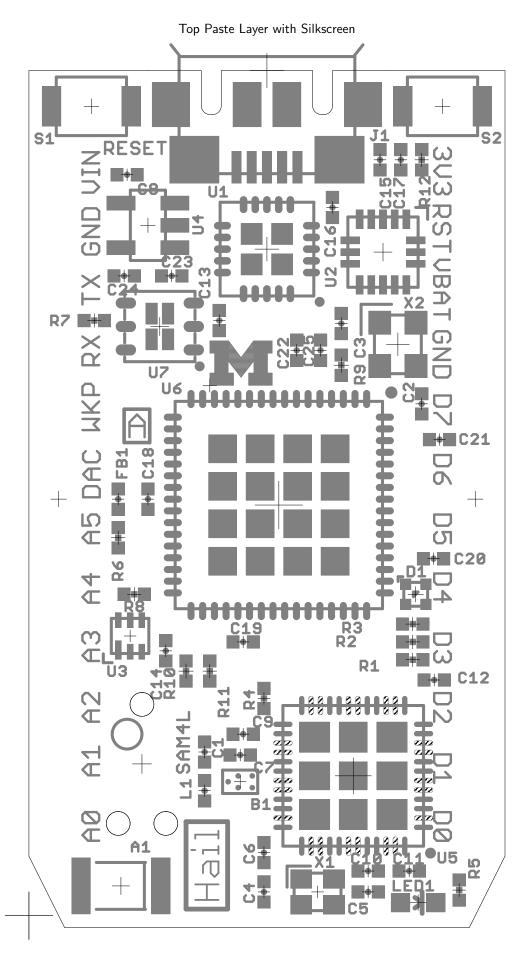


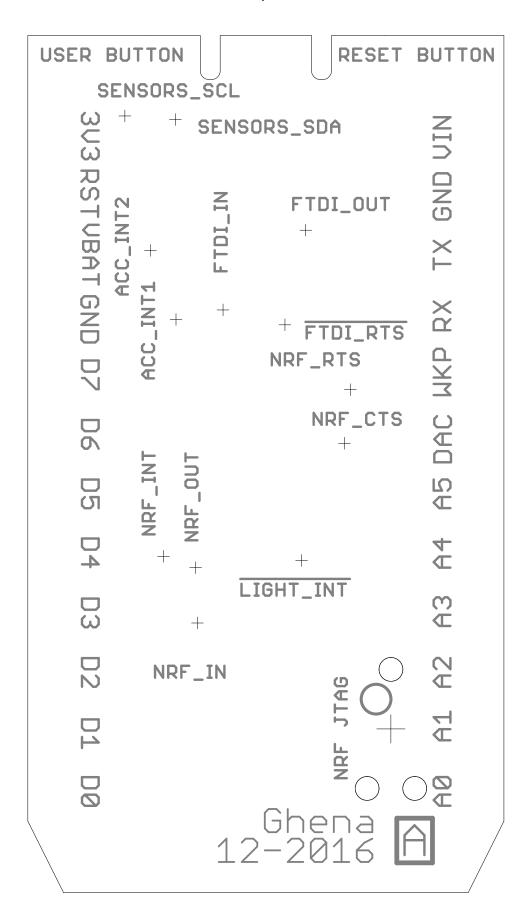


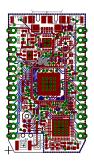


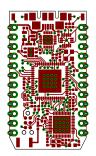






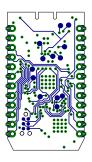












hail_bom

				hail_bom			
Qty Value 1 FRACTUS-2.4GHZ-FR09	Device 5FRACTUS-2.4GHZ-FR05-S1-N-0-11	Package 0FRACTUS-ANTENNA-FR05-S1-N-0-110	Parts	Description Fractus Micro Reach Xtend		RICHARDSON_RFPD FR05-S1-N-0110B	Already In Lab PowerBlade Supplies
1 BAL-NRF01D3	BAL-NRF01D3	BAL-NRF01D3	B1	50 ohm nominal input / conjugate match balun to nRF51422-QFAA,	497-13637-1-ND		ICs Box
11.5pF	CAPACITOR0402 CAP	0402 CAP	C1	0402 Capacitor	490-6212-1-ND		
2 8pF	CAPACITOR0402_CAP	0402_CAP	C2, C3	0402 Capacitor	490-8230-1-ND		
2 12pF	CAPACITOR0402_CAP	0402_CAP	C4, C5	0402 Capacitor	490-6197-1-ND		
1 1nF	CAPACITOR0402_CAP	0402_CAP		0402 Capacitor	490-1303-1-ND		
1 2.2nF	CAPACITOR0402_CAP	0402_CAP	C7	0402 Capacitor	490-5419-1-ND		
1 10nF	CAPACITOR0402_CAP	0402_CAP		0402 Capacitor	490-7763-1-ND		
1 47nF	CAPACITOR0402_CAP	0402_CAP	C9	0402 Capacitor	445-1264-1-ND		
			C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21,				
13 100nF	CAPACITOR0402_CAP			0402 Capacitor	490-10777-1-ND		
3 4.7uF	CAPACITOR0402_CAP				490-13252-1-ND		
1 SML-LX0404SIUPGUSB		1MM_SQ_4PAD			67-2125-1-ND		Signpost Controller
1 1.5k	FERRITE_BEAD0402				1276-6395-1-ND		
				USB Micro B Connector	H125274CT-ND		
	TC2030-JLINK-NL_NOSILK	TC2030-IDC-NL_NOSILK	J2, J3		040445 40445		
1 M12PTH-CST	M12PTH-CST		JP3, JP4	Header 12	S1011E-12-ND		
1 6.8nH	INDUCTOR0402	0402_CAP			490-6840-1-ND		
1 LED0603	LED0603				160-1837-6-ND		
5 1k	RESISTOR0402_RES		, , -, , -		1276-3430-1-ND 1276-3431-1-ND		
4 10k 3 100k	RESISTOR0402_RES RESISTOR0402_RES		R6, R7, R8, R9		1276-3431-1-ND 1276-3432-1-ND		
2 B3U-1000P	B3U-1000P		R10, R11, R12 S1, S2	Switch	SW1020CT-ND		
1 FT231XQ	FT231XQ	OFN-20-4MM	U1		768-1128-1-ND		
1 FXOS8700CQ	FXOS8700CQ	OFN-16-3MM	U2	Accelerometer, Magnetometer, 3 Axis Sensor, I2C/SPI	FXOS8700CQR1CT-ND		
1 ISL29035	ISL29035	ODFN-6-1.5MMX1.6MM		Optical Sensor Ambient 550nm I2C	ISL29035IROZ-T7CT-ND		
1 MAX8887EZK33+T	MAX8887EZK33+T	SOT-23-5		IC REG LDO 3.3V 0.3A TSOT23-5	MAX8887EZK33+TCT-ND		Signpost RF Spectrum
1 NRF51822QF	NRF51822QF	OFN-48-6MM		Multiprotocol Bluetooth 4.0 low energy/2.4 GHz RF SoC	1490-1049-1-ND		ICs Box
1 SAM4LC8BA	SAM4LC8BA	OFN-64-9MM	U6	SAM4L Microcontroller. 64QFN Package. 512 Flash.	ATSAM4LC8BA-MURCT-ND		
1 SI7021	SI7021	DFN-6/3MM		IC TEMP SENSOR RH 2% DFN	336-3141-ND		
1 16MHz	TXC-8Y	TXC-8Y			887-2003-1-ND		Other Parts Box
1 16MHz	FH1600015	FHXXX	X2	Pericom Type FH 16 MHz 2.5 x 2.0 mm	FH1600015CT-ND		
				· · · · · · · · · · · · · · · · · · ·			