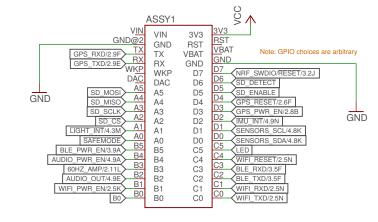
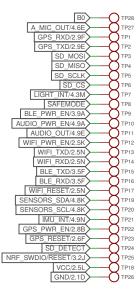
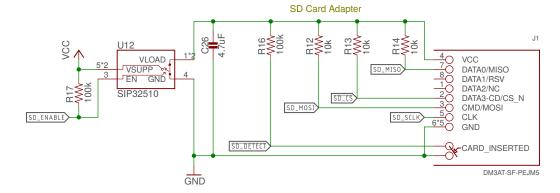
Headers

Electron headers



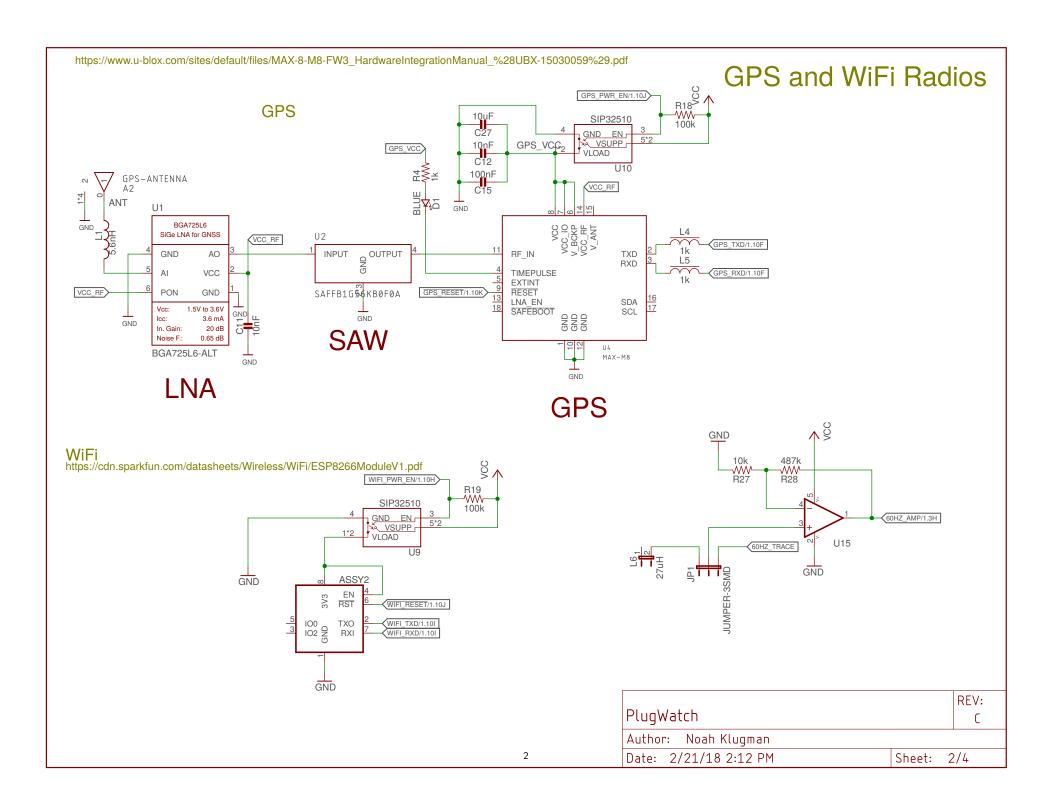


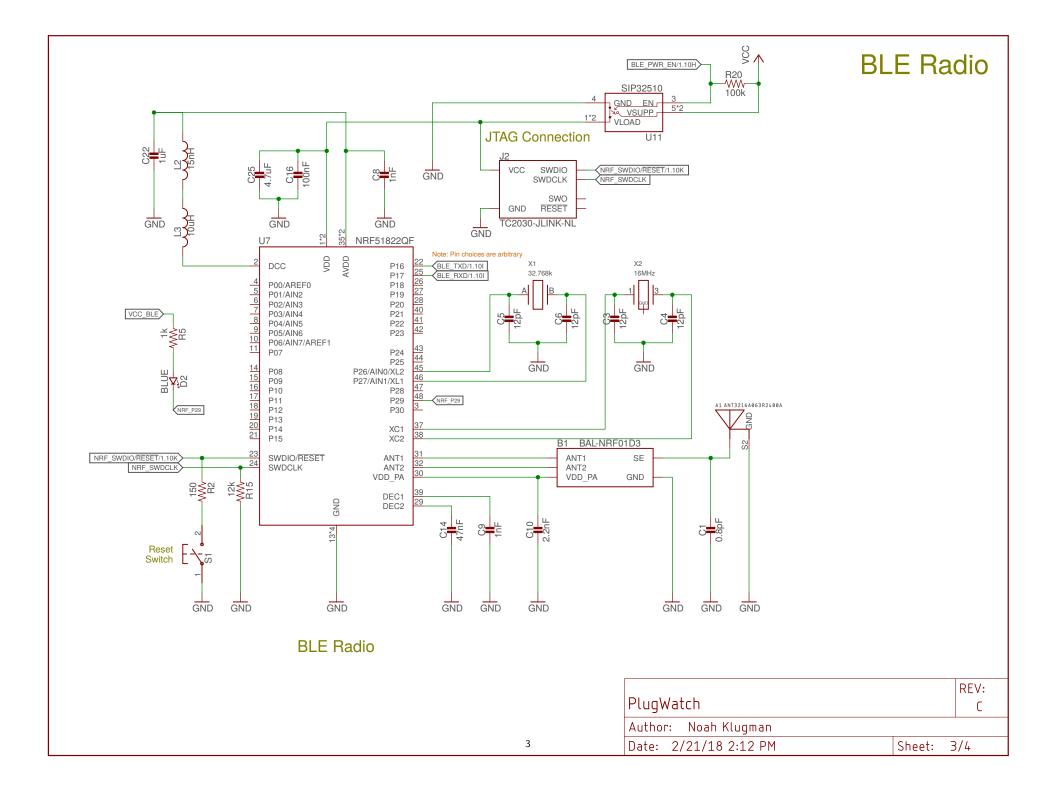


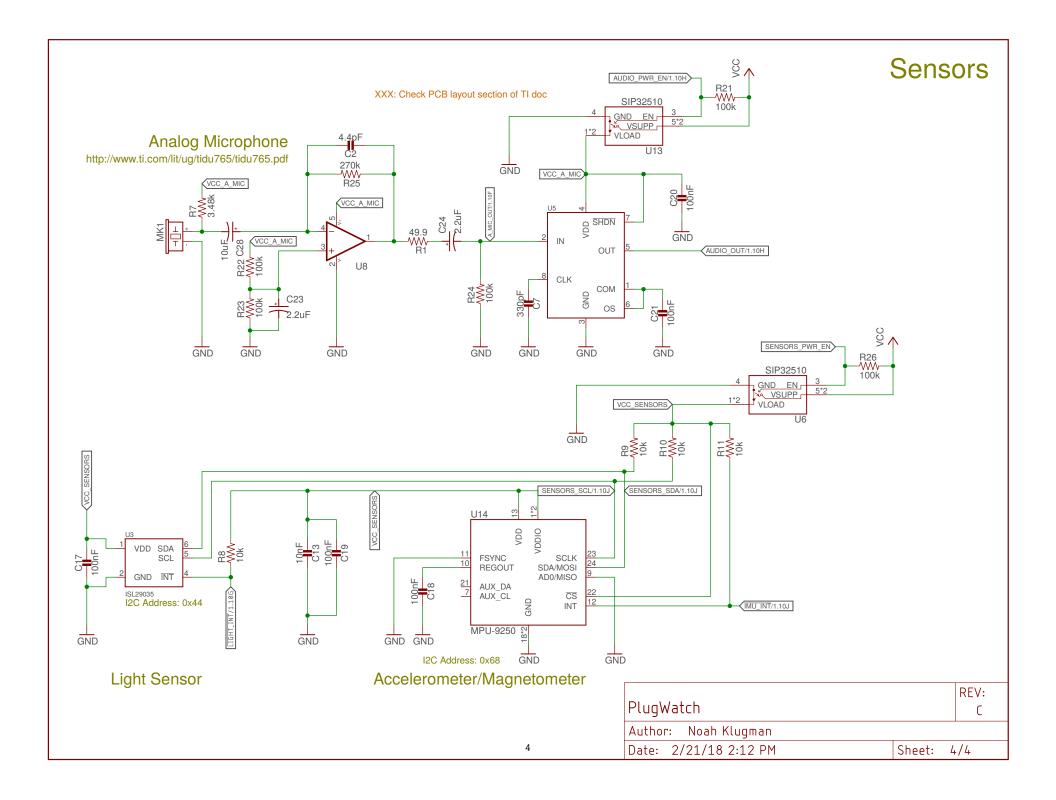


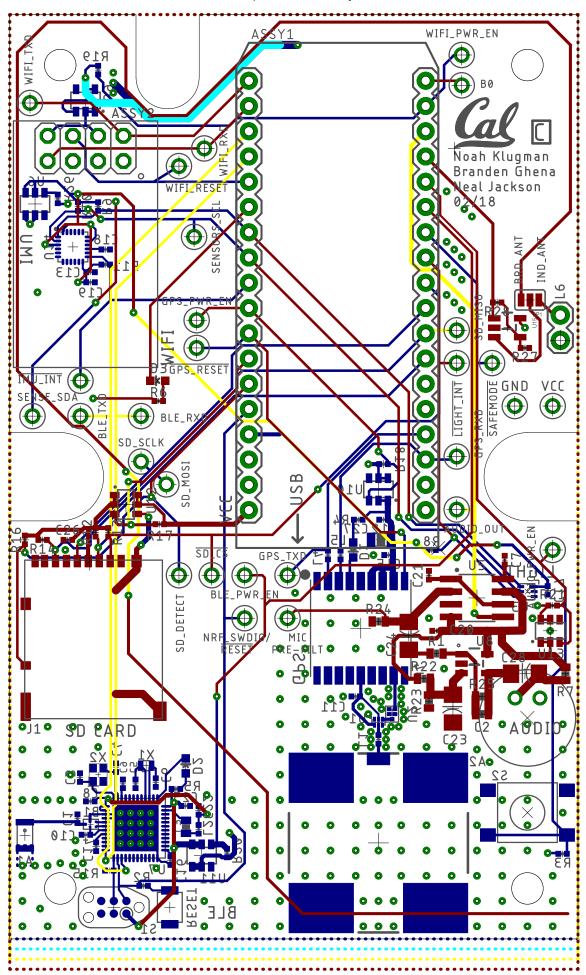
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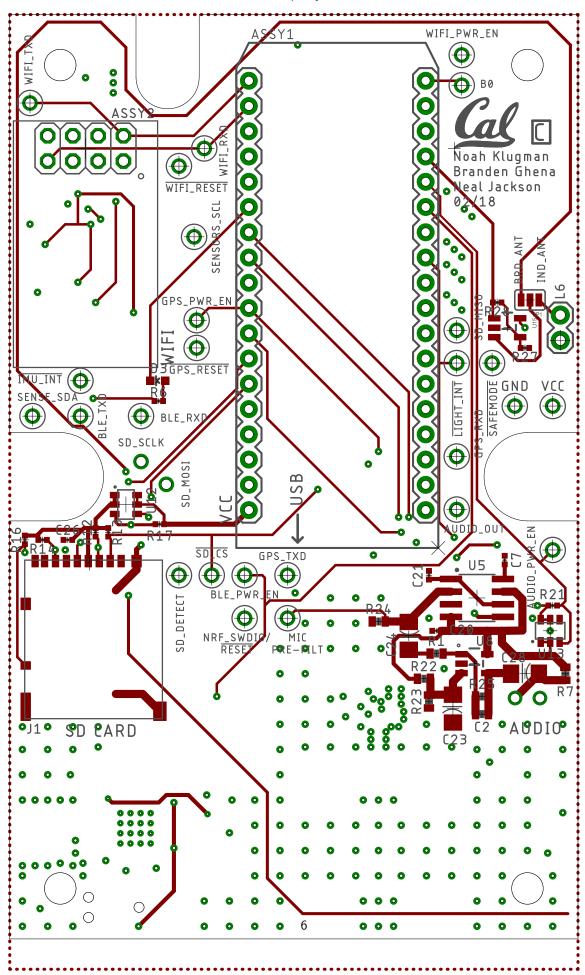
		REV:
PlugWatch		С
Author: Noah Klugman		
Date: 2/21/18 2:12 PM	Sheet:	1/4

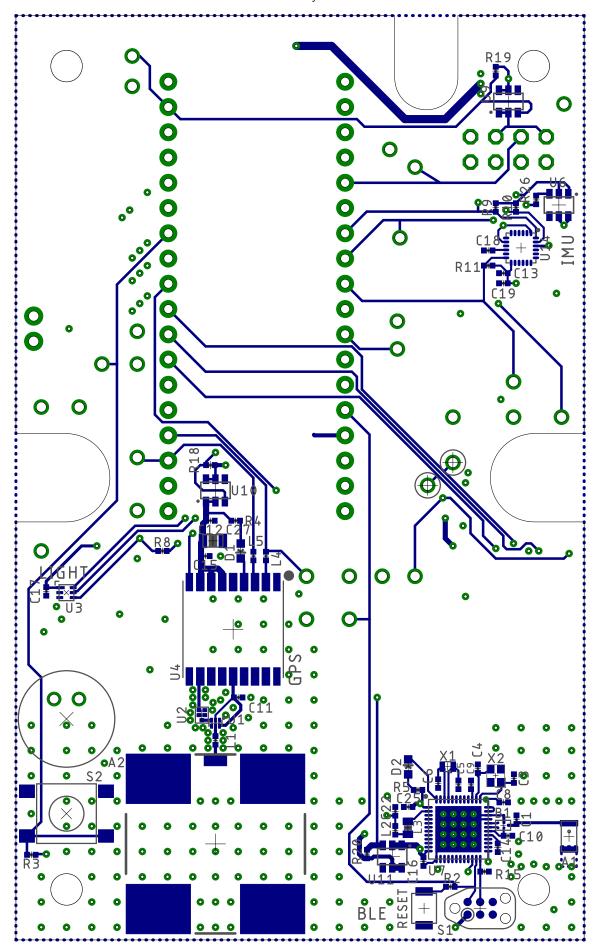


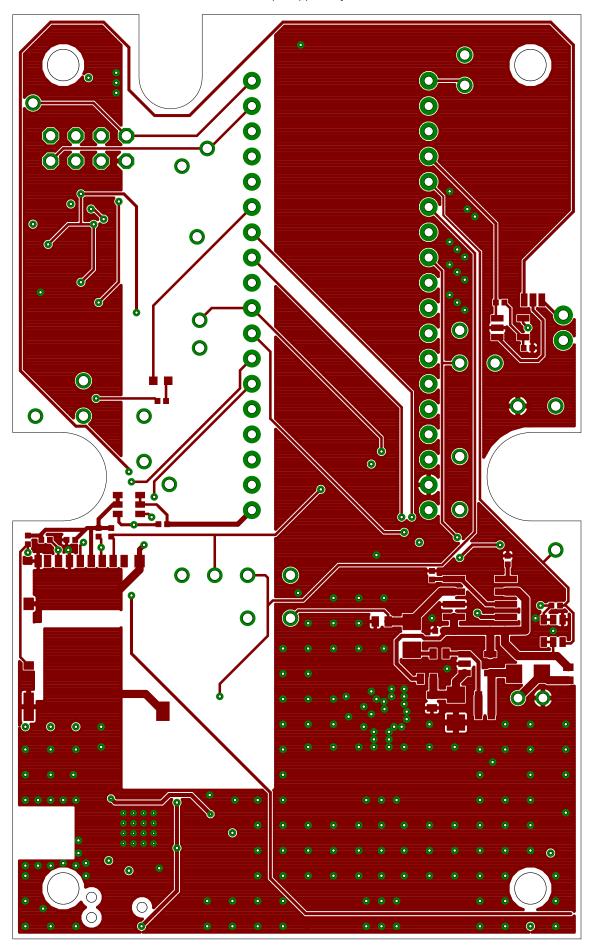


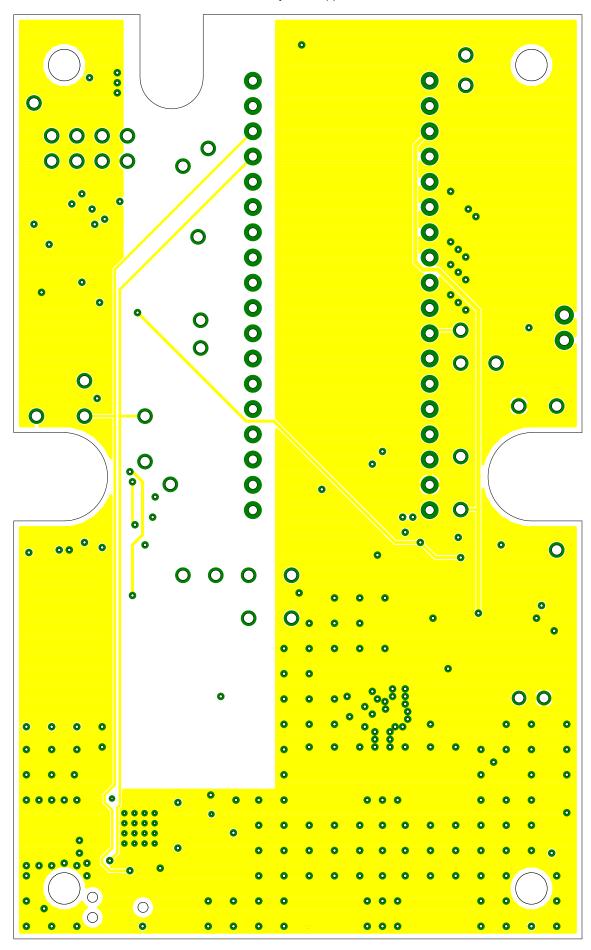


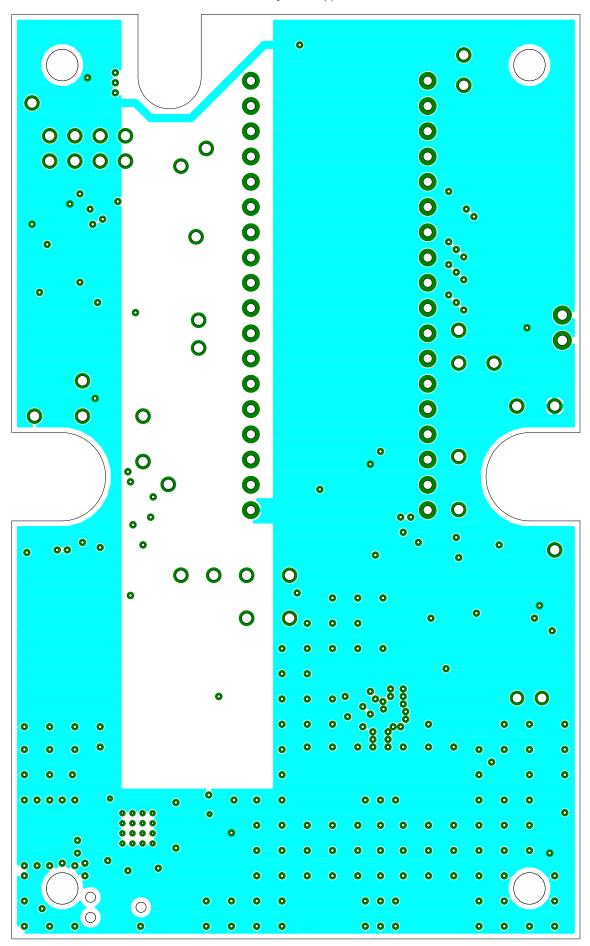


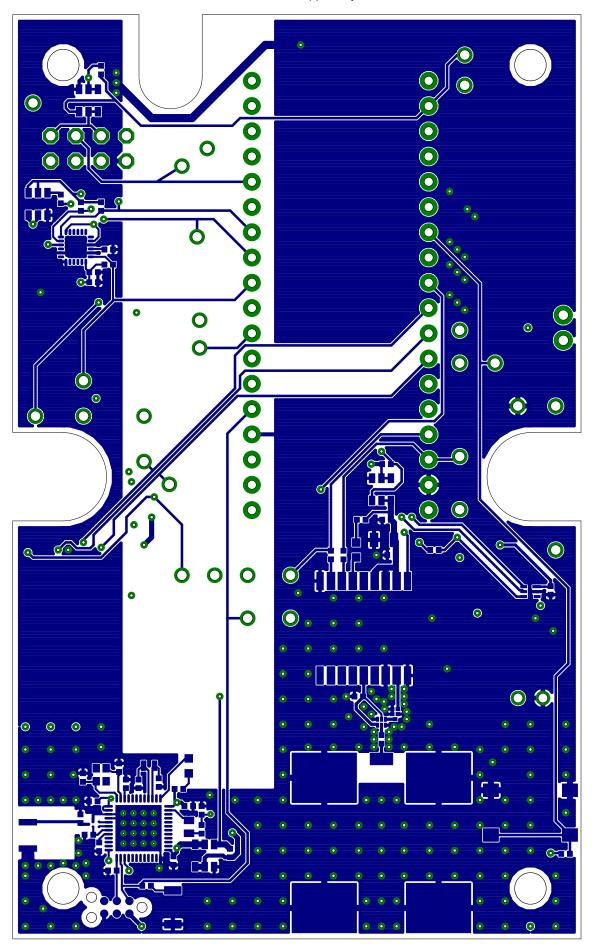


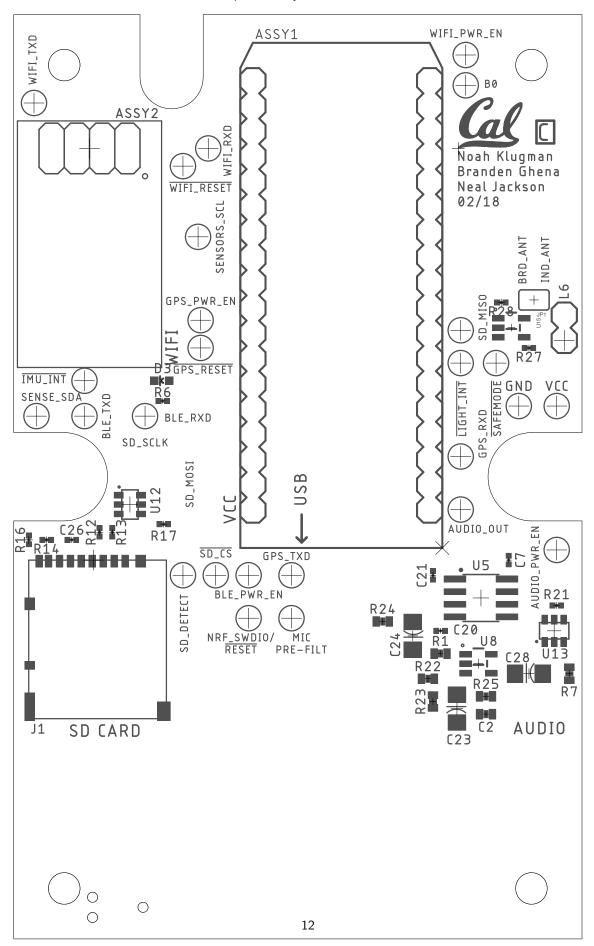


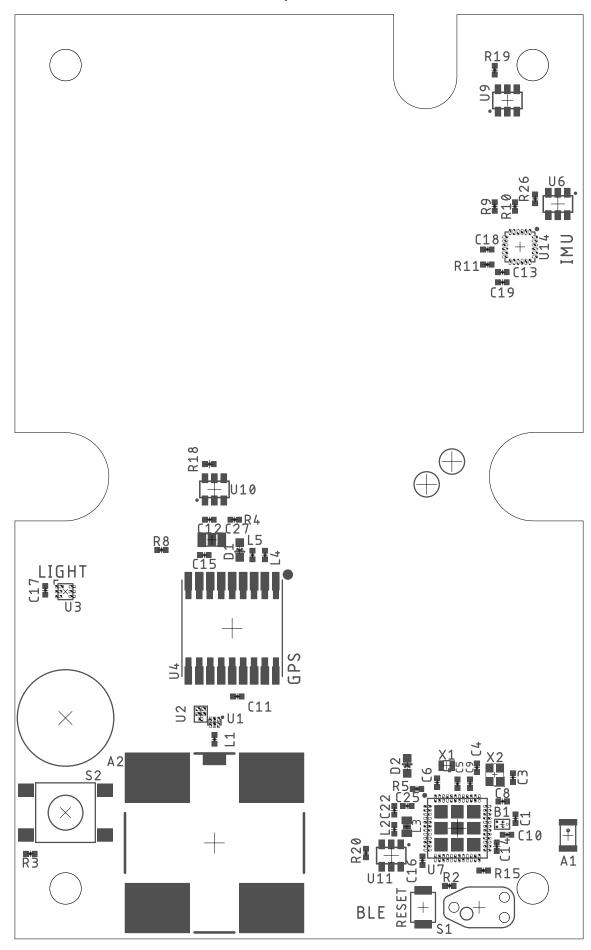


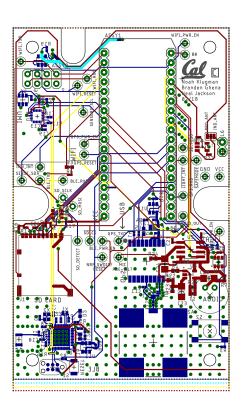


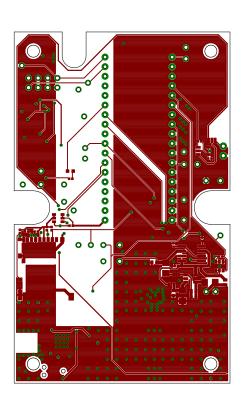


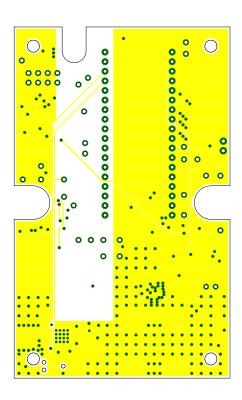


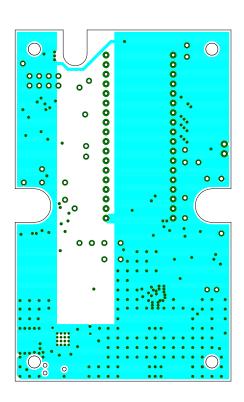


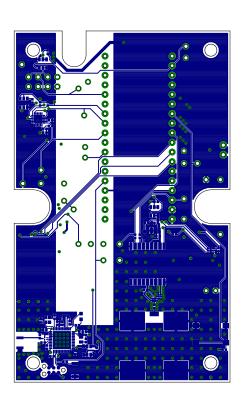












Qty Value		Device	Package	
1		B3U-1000P	B3U-1000P	
1 0.8pF		CAPACITOR0402_CAP	0402_CAP	
7 100k		RESISTOR0402_RES	0402_RES	
3 100k		RESISTOR0603_RES	0603-RES	
7 100nF		CAPACITOR0402_CAP	0402_CAP	
8 10k		RESISTOR0402_RES	0402_RES	
3 10nF		CAPACITOR0402_CAP	0402_CAP	
1 10uF		CAPACITOR0805_CAP	0805_CAP	
1 10uF		CAP_POL1206	120	6
1 10uH			0603_CAP	
1 12k		RESISTOR0402_RES	_	
4 12pF		CAPACITOR0402_CAP	0402_CAP	
2	150	RESISTOR0402_RES	0402_RES	
1 15nH		INDUCTOR0402	0402_CAP	
1 16MHz			TXC-8Y	
2 1k		FERRITE_BEAD0402		
3 1k		RESISTOR0402_RES		
2 1nF		CAPACITOR0402_CAP	_	
1 1uF		CAPACITOR0402_CAP	_	
1 2.2nF		CAPACITOR0402_CAP	0402_CAP	
2 2.2uF		CAP_POL1206	120	6
1 270k		RESISTOR0603_RES	0603-RES	
1 27uH		JUMPER-2PTH		
1 3.48k		RESISTOR0603_RES		
1 32.768k		ABS05-32.768KHZ-9-T		
1 330pF		CAPACITOR0402_CAP	—	
14.4pF		CAPACITOR0603_CAP		
24.7uF		CAPACITOR0402_CAP	_	
1 47nF		CAPACITOR0402_CAP	_	
1 487k		RESISTOR0402_RES		
1	49.9	RESISTOR0603_RES		
1 5.6nH			0402_CAP	
		ANT3216A063R2400A		
1 AOM-454		AOM-4546P-R	MIC_AOM-4546P-R	
1 BAL-NRF		BAL-NRF01D3	BAL-NRF01D3	
1 BGA725l	_6-ALI	BGA725L6-ALT	LNA-TSLP-6-2-ALT	
3 BLUE		LED0603	LED-0603	
1 DM3AT-S		DM3AT-SF-PEJM5	DM3AT-SF-PEJM5	
1 ELECTR		ELECTRON	ELECTRON_SINGLE-ROW	/
1 GPS-AN		GPS-ANTENNA	ANT1818B00BT1516S	
1 ISL29035		ISL29035	ODFN-6-1.5MMX1.6MM	
1 JUMPER		JUMPER-3SMD	SJ_3	
1 MAX-M8		MAX-M8	MAX-M8	
1 MAX740	_	MAX740XESA	SOIC-8	
1 MPU-925		MPU-9250	QFN-24/3MM	
1 NRF5182		NRF51822QF	QFN-48-6MM	
2 OPA322/		OPA322AIDBVT	SOT23-5	
17156458	31VI4351VI I R92	PTS645SM43SMTR92	P10045	

1 SAFFB1G56KB0F0A	FILTERS	QCS5I
6 SIP32510	SIP32510	TSOT23-6
1 TC2030-JLINK-NL	TC2030-JLINK-NL	TC2030-IDC-NL
28 TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
1 WRL-13678	WRL-13678	WRL-13678

DNP Parts S1 C1 R16, R17, R18, R19, R20, R21, R26 R22, R23, R24 C15, C16, C17, C18, C19, C20, C21 R8, R9, R10, R11, R12, R13, R14, R27 C11, C12, C13 C27 C28 L3 R15 C3, C4, C5, C6 R2, R3 L2 X2 L4, L5 R4, R5, R6 C8, C9 C22 C10 C23, C24 R25 L6 R7 X1 C7 C2 C25, C26 C14 R28 R1 L1 Α1 MK1 В1 U1 D1, D2, D3 J1 ASSY1 A2 U3 JP1 DNP U4 U5 U14 U7 U8, U15

S2

U2 U6, U9, U10, U11, U12, U13 J2 DNP TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TPDNP ASSY2

Description DESCRIPTION Switch 0402 Capacitor CAP CER 0.8PF 50V C0G/NP0 0402 RES SMD 100K OHM 1% 1/16W 0402 Resistor Resistor RES SMD 100K OHM 1% 1/10W 0603 0402 Capacitor CAP CER 0.1UF 10V X7R 0402 Resistor RES SMD 10K OHM 1% 1/16W 0402 0402 Capacitor CAP CER 10000PF 50V X7R 0402 CAP CER 10UF 10V X7R 0805 0402 Capacitor CAP TANT 10UF 20V 10% 1206 FIXED IND 10UH 50MA 900 MOHM SMD A very specific inductor RES SMD 12K OHM 1% 1/16W 0402 Resistor CAP CER 12PF 50V C0G/NP0 0402 0402 Capacitor RES SMD 150 OHM 1% 1/16W 0402 Resistor A very specific inductor FIXED IND 15NH 320MA 460 MOHM 2mmx1.6mm SMD Crystal CRYSTAL 16.0000MHZ 8PF SMD FERRITE BEAD 1 KOHM 0402 1LN RES SMD 1K OHM 1% 1/16W 0402 Resistor CAP CER 1000PF 100V 10% X7R 0402 0402 Capacitor 0402 Capacitor CAP CER 1UF 10V X7S 0402 0402 Capacitor CAP CER 2200PF 25V 10% X7R 0402 CAP TANT 2.2UF 16V 10% 1206 Resistor RES SMD 270K OHM 1% 1/10W 0603 Jumper RES SMD 3.48K OHM 1% 1/10W 0603 Resistor 32.768kHz Crystal 0402 Capacitor CAP CER 330PF 50V C0G/NP0 0402 CAP CER RF 4.4PF 50V +/-0.1 PF C 0402 Capacitor 0402 Capacitor CAP CER 4.7UF 6.3V X5R 0402 CAP CER 0.047UF 16V X7R 0402 0402 Capacitor Resistor RES 487K OHM 1/16W 1% 0402 SMD RES SMD 49.9 OHM 1% 1/10W 0603 Resistor A very specific inductor **FIXED IND 5.6NH 1.77A 40 MOHM** Yageo 2.4GHz Electret microphone 50 ohm nominal input / conjugate match balun to nRF51422-QFAA, IC AMP MMIC RF LNA 20DB TSLP-6 **LED** CONN MICRO SD R/A PUSH-PUSH SMD 2 Headers per ASSY1 PATCH ANT GPS/GLO CP SMD Optical Sensor Ambient 550nm I2C IC RECEIVER GPS/GNSS 18LCC

GYRO/ACCEL/COMPASS/9-AXIS

Multiprotocol Bluetooth® 4.0 low energy/2.4 GHz RF SoC

Tactile Switch SPST-NO Top Actuated Surface Mount

Load switch, slew rate controlled. By Vishay

0.040in Test Point ESP8266 WiFi Module

SN 49 12 54 49 49 47 49 49 49 49 49 49 49 49 49 49 49 49 49	GIKEY W1020CT-ND 20-6269-1-ND 276-3432-1-ND 20-10777-1-ND MCF0402FT10K0CT-ND 20-7763-1-ND 20-8316-1-ND 28-8481-1-ND 20-4025-1-ND MCF0402FT12K0CT-ND 37-1521-1-ND 37-2003-1-ND 37-2003-1-ND MCF0402FT1K00CT-ND 37-2003-1-ND 30-4003-1-ND 30-4003-1-ND 30-6366-1-ND 30-5419-1-ND 31-270KHCT-ND 31-270KHCT-ND 31-3.48KHCT-ND 31-3.48KHCT-ND 32-6233-1-ND 33-11897-1-ND 34-6233-1-ND 35-5947-1-ND 36-62372CT-ND	DIGIKEY2	MANUFACTURER Omron Murata Samsung Vishay Murata Stackpole Electronics Murata AVX Murata Stackpole Electronics Murata Stackpole Electronics Taiyo Yuden TXC Murata Stackpole Electronics Taiyo Yuden TXC Murata Stackpole Electronics Murata Vishay Vishay TDK Vishay Abracon Murata KEMET TDK Murata Yageo	MOUSER
54 49 31 66 49 B0 16 HI S7		S7051-ND		511-BAL-NRF01D3
M. 14 14 29	72-1003-1-ND AX7405ESA+-ND I28-1019-1-ND I90-1049-1-ND I6-29511-1-ND KN9112CT-ND		u-blox Maxim Integrated TDK Invensense Nordic Semi Texas Instruments C&K	949-NRF51822-QFAC-R7

587-3990-1-ND Taiyo Yuden SIP32510DT-T1-GE3CT-ND Vishay

5001K-ND

1568-1235-ND Sparkfun

MPN

ROCHESTER ELECTRONICS

B3U-1000P

GRM1555C1HR80BA01D

RC1005F104CS

CRCW0603100KFKEB

GRM155R71A104JA01D

RMCF0402FT10K0

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MAX-M8Q-0

MAX7405ESA+

MAX7405ESA

MPU-9250

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