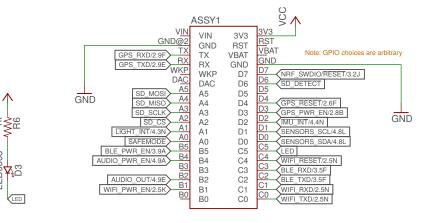
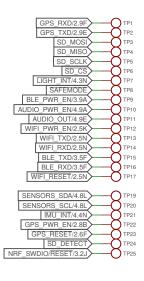
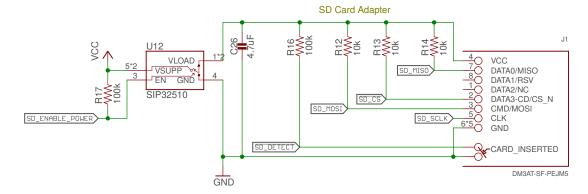
Headers

Electron headers



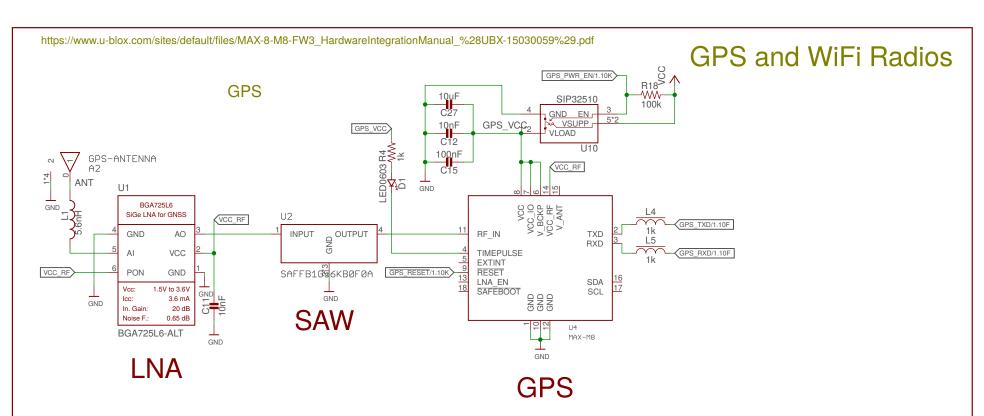




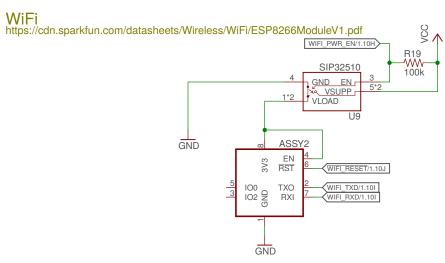


1

		REV:
PlugWatch		В
Author: Noah Klugman		
Date: 1/23/18 9:58 PM	9:58 PM Sheet: 1/4	

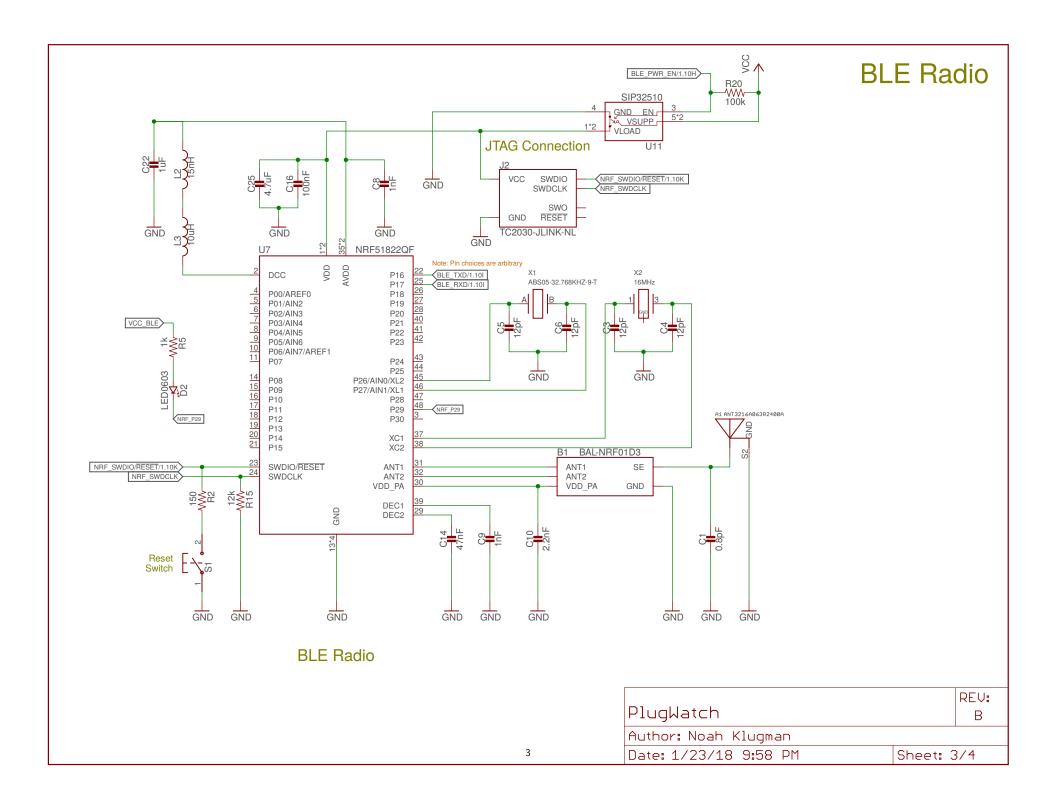


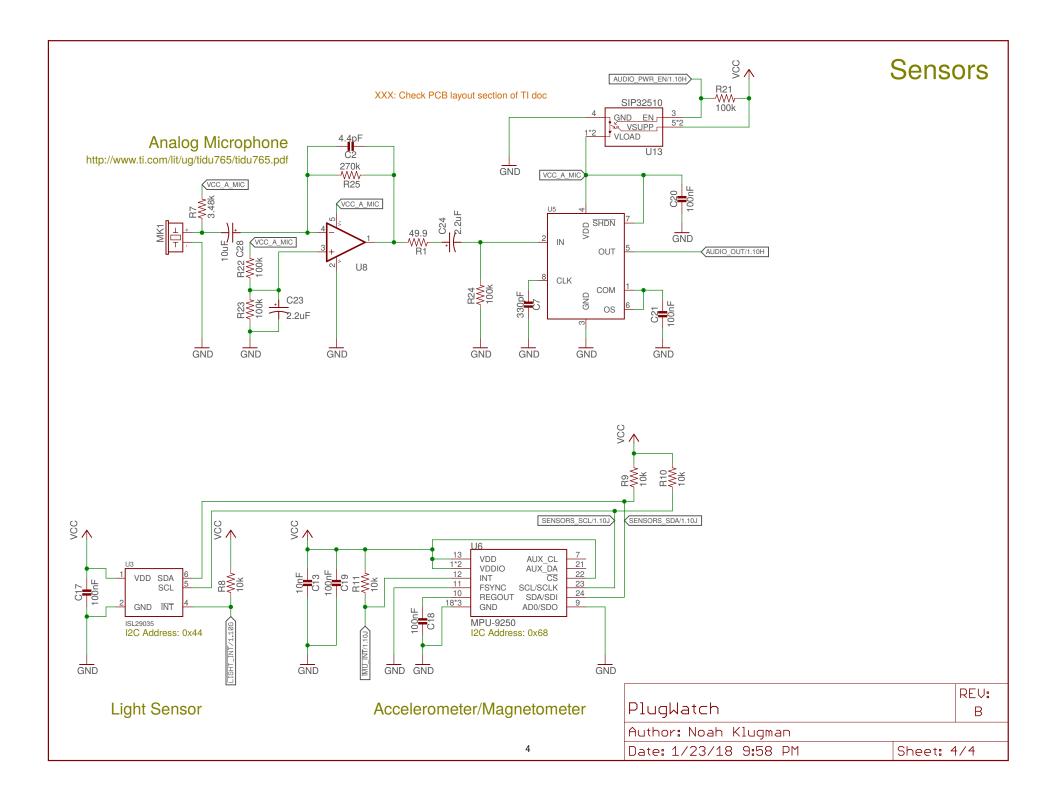
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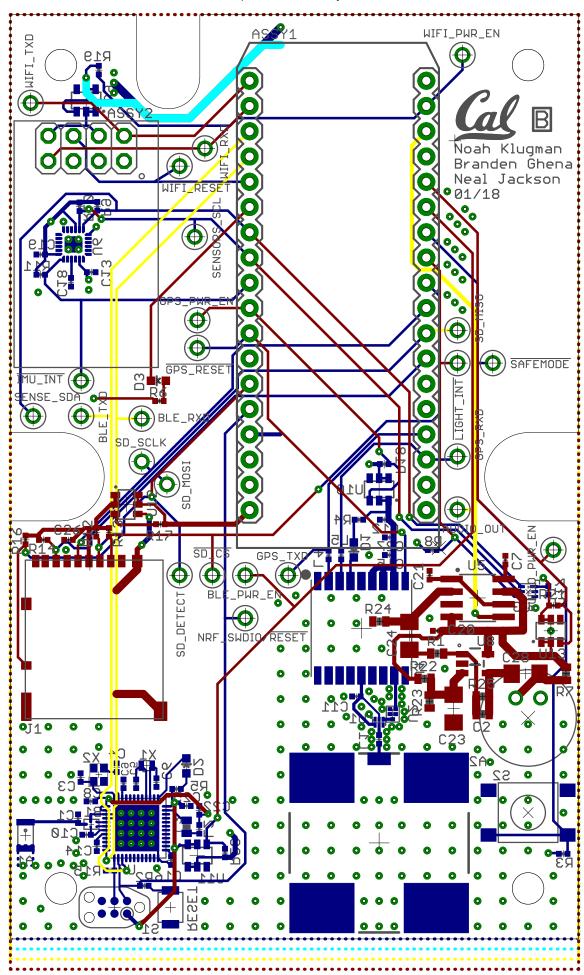


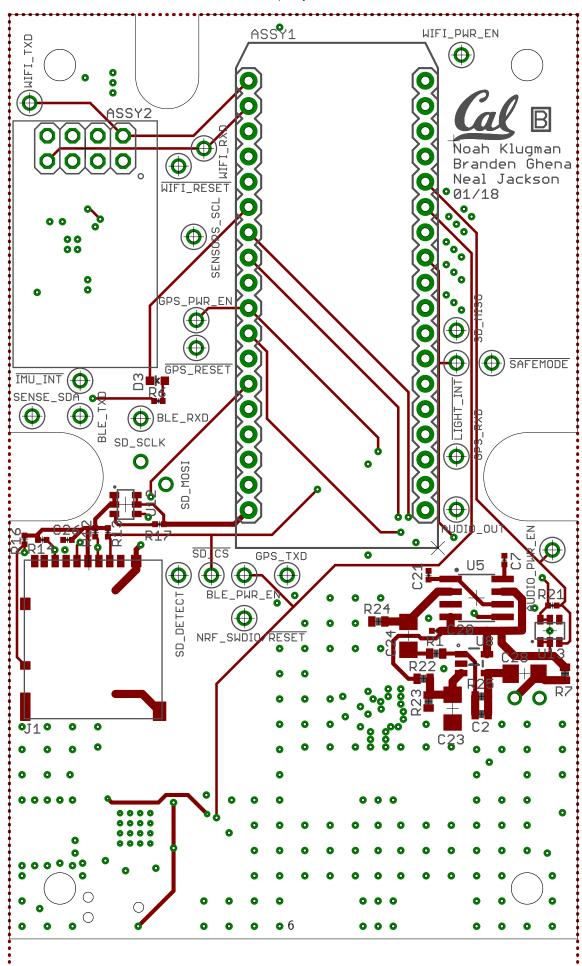
		REV:
PlugWatch		В
Author: Noah Klugman		
Date: 1/23/18 9:58 PM S	heet: 2	/4

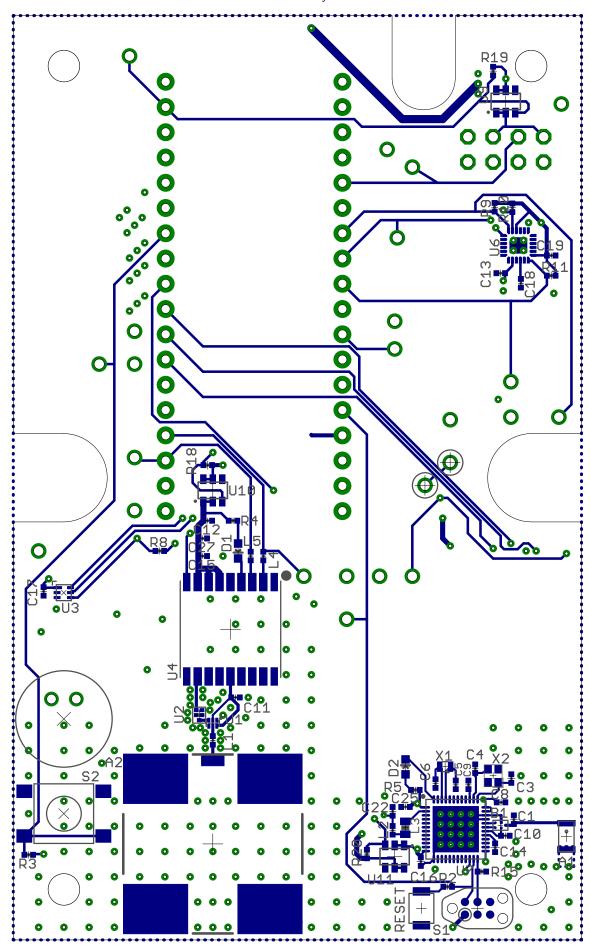
5-11

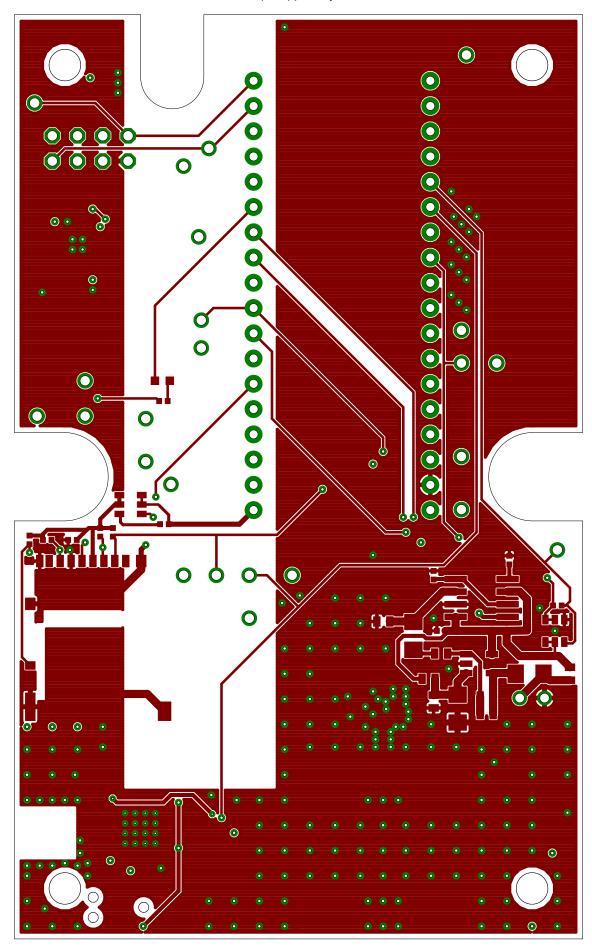




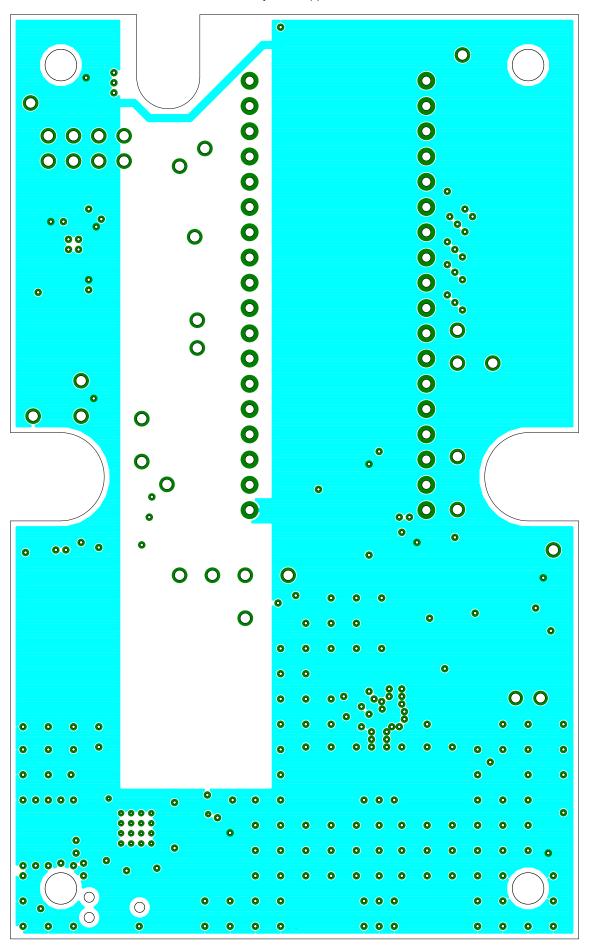


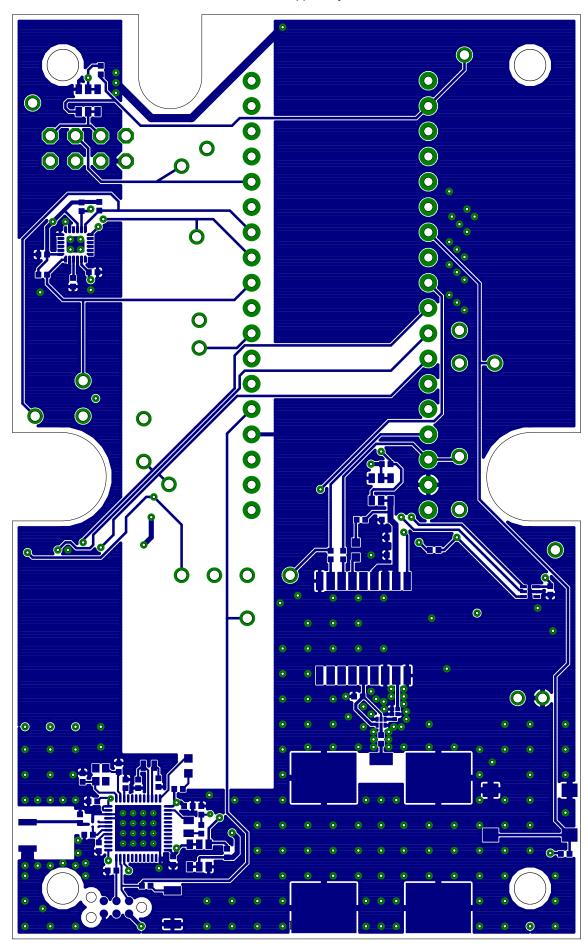


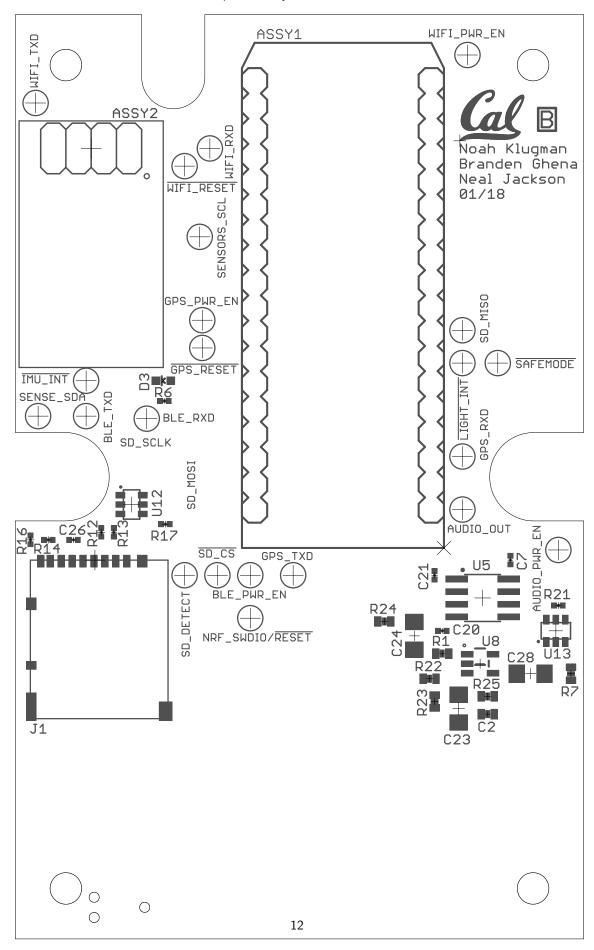


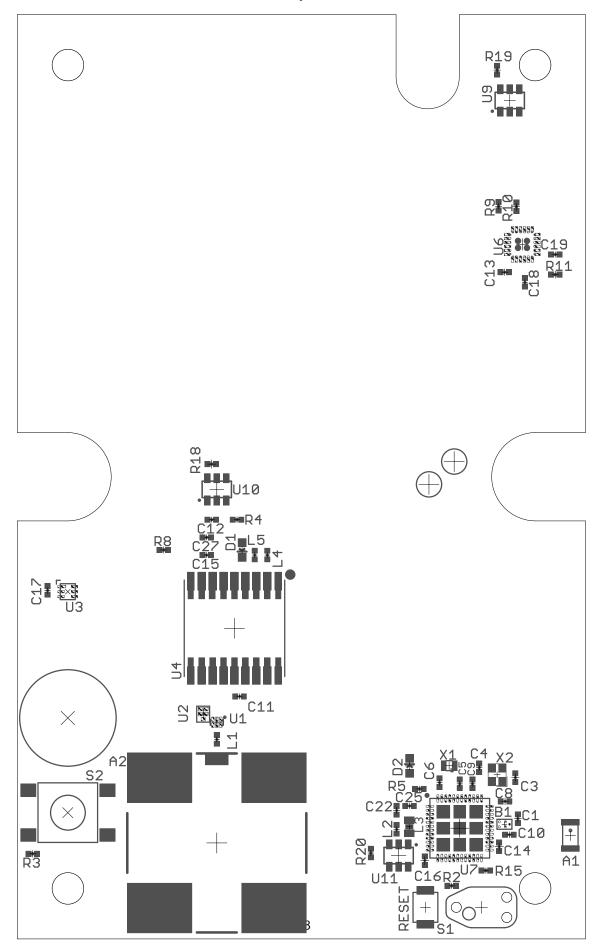


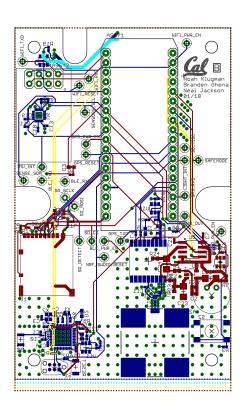


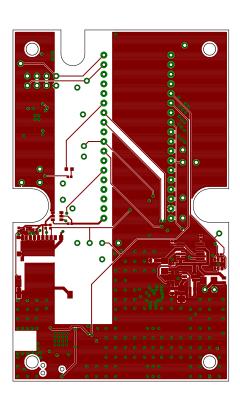


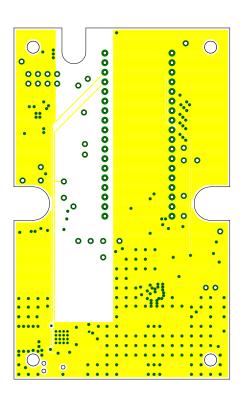


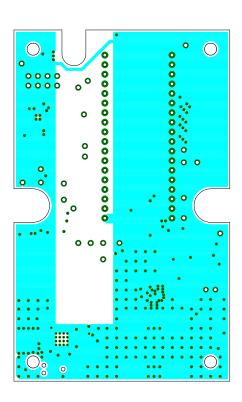


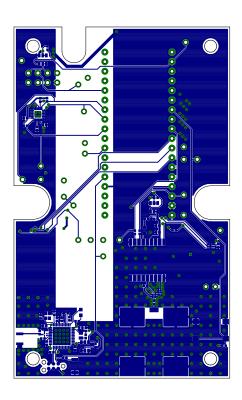












Qty Value	Device	Package
1 ANT3216A063R2400A	ANT3216A063R2400A	ANT3216A063R2400A
1 GPS-ANTENNA	GPS-ANTENNA	ANT1818B00BT1516S
1 ELECTRON	ELECTRON	ELECTRON SINGLE-ROW
1 WRL-13678	WRL-13678	WRL-13678
1 BAL-NRF01D3	BAL-NRF01D3	BAL-NRF01D3
1 0.8pF	CAPACITOR0402_CAP	
1 4.4pF	CAPACITOR0603_CAP	
4 12pF	CAPACITOR0402_CAP	_
1 330pF	CAPACITOR0402_CAP	_
2 1nF	CAPACITOR0402 CAP	
1 2.2nF	CAPACITOR0402_CAP	_
3 10nF	CAPACITOR0402_CAP	
1 47nF	CAPACITOR0402_CAP	_
	_	_
7 100nF	CAPACITOR0402_CAP	_
11uF	CAPACITOR0402_CAP	_
2 2.2uF	CAP_POL1206	1206
2 4.7uF	CAPACITOR0402_CAP	_
1 10uF	CAPACITOR0402_CAP	_
1 10uF	CAP_POL1206	1206
3 LED0603	LED0603	LED-0603
1 DM3AT-SF-PEJM5	DM3AT-SF-PEJM5	DM3AT-SF-PEJM5
1 TC2030-JLINK-NL		TC2030-IDC-NL
1 5.6nH	INDUCTOR0402	0402_CAP
1 15nH	INDUCTOR0402	0402_CAP
1 10uH	INDUCTOR0603	0603_CAP
2 1k	FERRITE_BEAD0402	0402_CAP
1 AOM-4546P-R	AOM-4546P-R	MIC_AOM-4546P-R
	RESISTOR0603_RES	
	RESISTOR0402_RES	_
3 1k	RESISTOR0402_RES	_
1 3.48k	RESISTOR0603_RES	
7 10k	RESISTOR0402_RES	0402_RES
1 12k	RESISTOR0402_RES	0402_RES
6 100k	RESISTOR0402_RES	0402_RES
3 100k	RESISTOR0603_RES	0603-RES
1 270k	RESISTOR0603_RES	0603-RES
1 B3U-1000P	B3U-1000P	B3U-1000P
1 PTS645SM43SMTR92	PTS645SM43SMTR92	PTS645
24 TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN
1 BGA725L6-ALT	BGA725L6-ALT	LNA-TSLP-6-2-ALT
1 SAFFB1G56KB0F0A	FILTERS	QCS5I
1 ISL29035	ISL29035	ODFN-6-1.5MMX1.6MM
1 MAX-M8	MAX-M8	MAX-M8
1 MAX740XESA	MAX740XESA	SOIC-8
1 MPU-9250	MPU-9250	QFN24 PAD
1 NRF51822QF	NRF51822QF	QFN-48-6MM
1 OPA322AIDBVT	OPA322AIDBVT	SOT23-5
5 SIP32510	SIP32510	TSOT23-6

1 ABS05-32.768KHZ-9-T ABS05-32.768KHZ-9-T ABS05 1 16MHz TXC-8Y TXC-8Y

```
Parts
Α1
A2
ASSY1
ASSY2
В1
C1
C2
C3, C4, C5, C6
C7
C8, C9
C10
C11, C12, C13
C14
C15, C16, C17, C18, C19, C20, C21
C22
C23, C24
C25, C26
C27
C28
D1, D2, D3
J1
J2
L1
L2
L3
L4, L5
MK1
R1
R2, R3
R4, R5, R6
R7
R8, R9, R10, R11, R12, R13, R14
R15
R16, R17, R18, R19, R20, R21
R22, R23, R24
R25
S1
S2
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP19, TP20, TP21, TP2
U1
U2
U3
U4
U5
U6
U7
U8
```

U9, U10, U11, U12, U13

X1 X2

Description Yageo 2.4GHz

ESP8266 WiFi Module

50 ohm nominal input / conjugate match balun to nRF51422-QFAA,

0402 Capacitor

0402 Capacitor 0402 Capacitor

•

0402 Capacitor

0402 Capacitor

LED

CONN MICRO SD R/A PUSH-PUSH SMD

A very specific inductor

A very specific inductor

A very specific inductor

Electret microphone

Resistor

Resistor

Resistor

Resistor

Resistor

Resistor

Resistor

Resistor

Resistor

Switch

Tactile Switch SPST-NO Top Actuated Surface Mount

0.040in Test Point

Optical Sensor Ambient 550nm I2C

NC pin 19. 2-6 & 14-17 not internally connected. May be used for PCB trace routing. Multiprotocol Bluetooth \hat{A} ® 4.0 low energy/2.4 GHz RF SoC

Load switch, slew rate controlled. By Vishay

32.768kHz Crystal 2mmx1.6mm SMD Crystal

ABACUS TECHNOLOGIES DIGIKEY MANUFACTURER MOUSER **YAGEO** 311-1542-1-ND 311-1531-ND S7051-ND,S7051-ND 1568-1235-ND 497-13637-1-ND STMicroelectronics 511-BAL-NRF01D3 490-6269-1-ND 399-16187-1-ND 490-6197-1-ND 490-6233-1-ND 490-6366-1-ND 490-5419-1-ND 490-7763-1-ND 490-11420-1-ND 490-10777-1-ND 490-14457-1-ND 718-1131-1-ND 445-5947-1-ND 490-8316-1-ND 478-8481-1-ND 160-1837-6-ND HR1964CT-ND 490-11766-1-ND 587-1521-1-ND 490-4025-1-ND 490-4003-1-ND 668-1224-ND 541-3003-1-ND RMCF0402FT150RCT-ND RMCF0402FT1K00CT-ND 541-3.48KHCT-ND RMCF0402FT10K0CT-ND RMCF0402FT12K0CT-ND 1276-3432-1-ND 541-2972-1-ND 541-270KHCT-ND SW1020CT-ND Omron CKN9112CT-ND 5001K-ND BGA725L6E6327FTSA1CT-ND SAFFB1G56KB0F0A ISL29035IROZ-T7CT-ND 672-1003-1-ND 1428-1019-1-ND 1490-1049-1-ND Nordic Semi 949-NRF51822-QFAC-R7 296-29511-1-ND SIP32510DT-T1-GE3CT-ND Vishay

535-11897-1-ND 887-2003-1-ND

MPN ANT3216A063R2400A

PROD_ID ROCHESTER_ELECTRONICS

BAL-NRF01D3

B3U-1000P

ISL29035IROZ-T7

MAX7405ESA

IC-13192

NRF51822-QFAC-R7

SIP32510DT-T1-GE3