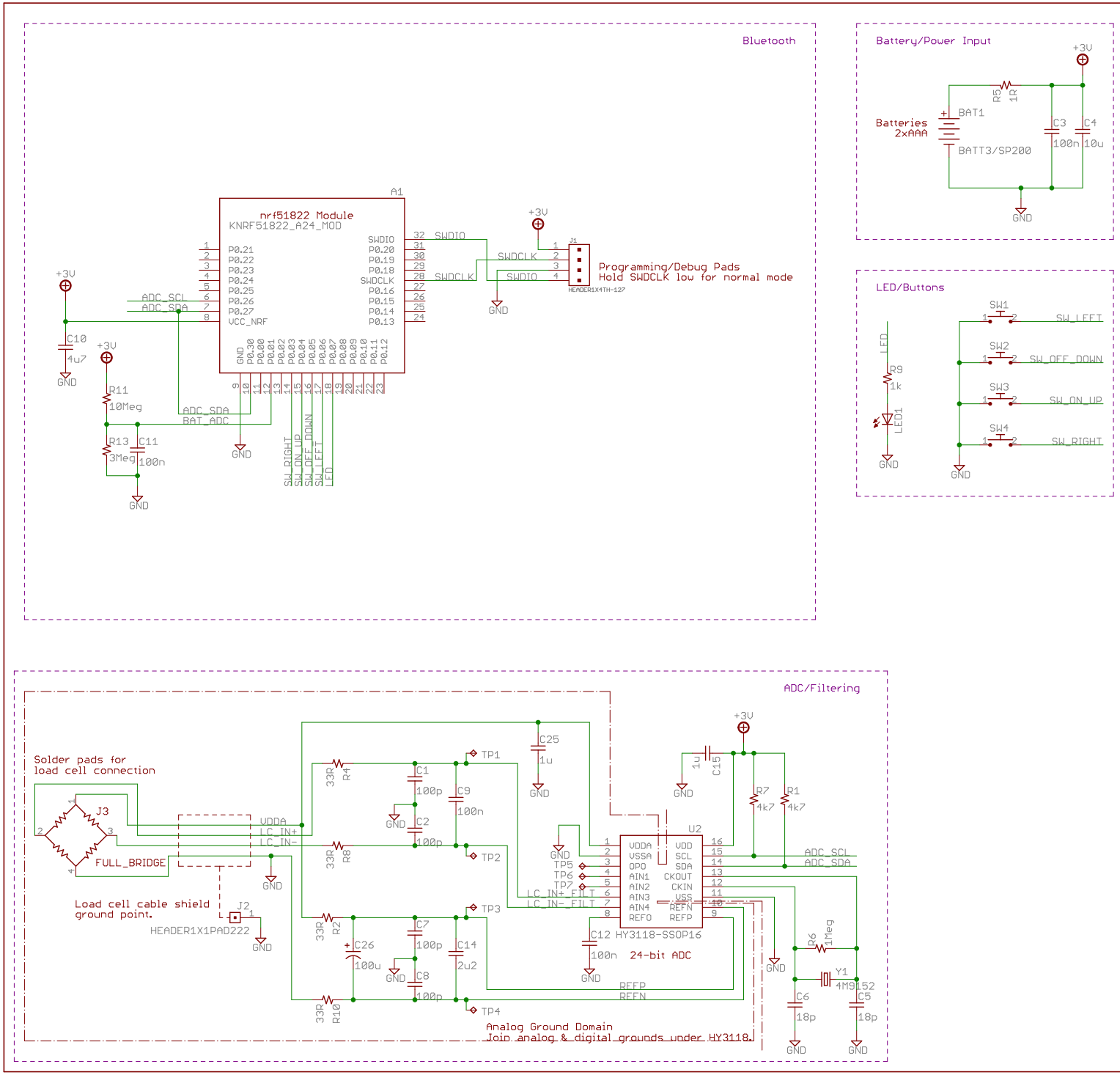


Revision History

2: Fix R6 value, 270 --> 1Meg.
Replace nrf51822 and support components with module.

3: Switch to standard KNRF51822_A24 module.]
ADC_SCL on P0.26, ADC_SDA on P0.27
Delete SWDCLK pulldown R3 (included on module).

Main PCB

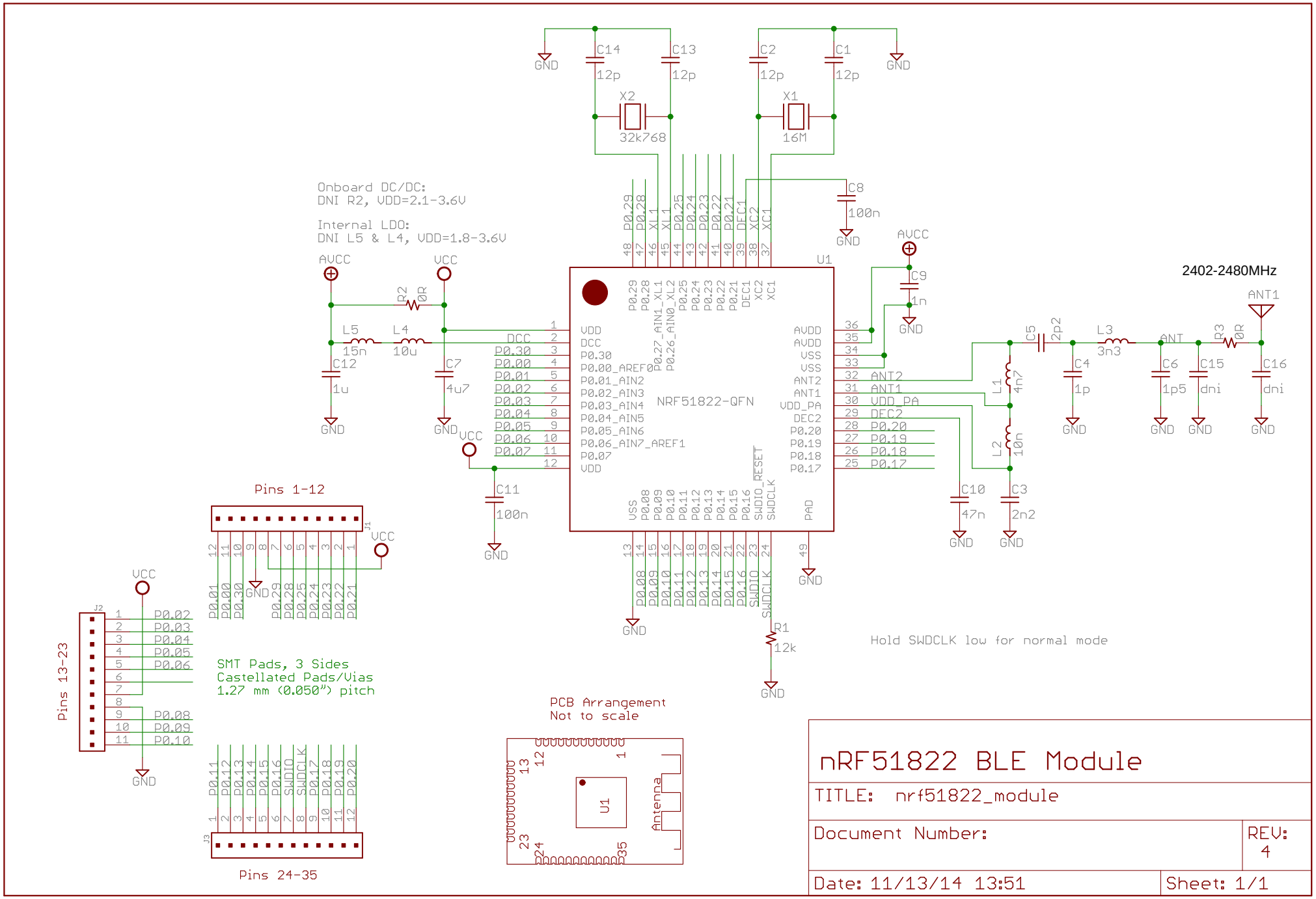
TITLE: pi_low_cost_btle_scale

Document Number:

REV: 3

Date: not saved!

Sheet: 1/1


Onboard DC/DC:
DNI R2, VDD=2.1-3.6V
Internal LDO:
DNI L5 & L4, VDD=1.8-3.6V
2402-2480MHz
NRF51822-QFN
U1
X2
32k768
X1
16M
C14
12p
C13
12p
C2
12p
C1
12p
C8
100n
C9
1n
C12
1u
C7
4u7
C11
100n
C10
47n
C3
2n2
C5
2p2
C4
1p
C6
1p5
C15
dni
C16
dni
L3
3n3
R3
0R
R2
0R
L5
15n
L4
10u
L1
4n7
L2
10n
R1
12k
ANT1
ANT
AVCC
VCC
GND
Pins 1-12
Pins 13-23
Pins 24-35
SMT Pads, 3 Sides
Castellated Pads/Vias
1.27 mm (0.050") pitch
Hold SWDCLK low for normal mode
PCB Arrangement
Not to scale
Antenna
nRF51822 BLE Module
TITLE: nrf51822_module
Document Number:
REV: 4
Date: 11/13/14 13:51
Sheet: 1/1