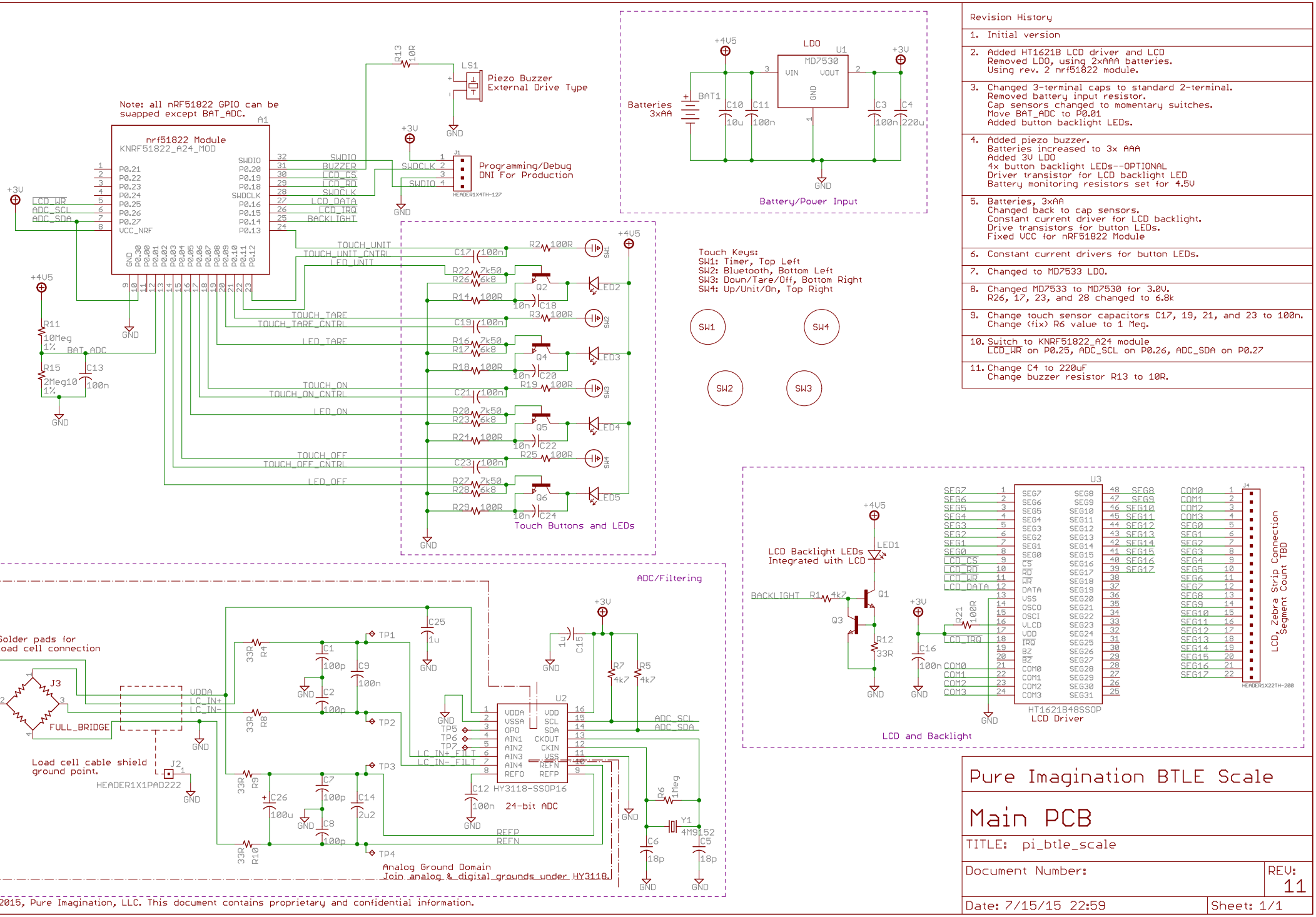


Revision History
1. Initial version
2. Added HT1621B LCD driver and LCD Removed LDO, using 2xAAA batteries. Using rev. 2 nrf51822 module.
3. Changed 3-terminal caps to standard 2-terminal. Removed battery input resistor. Cap sensors changed to momentary switches. Move BAT_ADC to P0.01 Added button backlight LEDs.
4. Added piezo buzzer. Batteries increased to 3x AAA Added 3V LDO 4x button backlight LEDs--OPTIONAL Driver transistor for LCD backlight LED Battery monitoring resistors set for 4.5V
5. Batteries, 3xAA Changed back to cap sensors. Constant current driver for LCD backlight. Drive transistors for button LEDs. Fixed VCC for nRF51822 Module
6. Constant current drivers for button LEDs.
7. Changed to MD7533 LDO.
8. Changed MD7533 to MD7530 for 3.0V. R26, 17, 23, and 28 changed to 6.8k
9. Change touch sensor capacitors C17, 19, 21, and 23 to 100n. Change (fix) R6 value to 1 Meg.
10. Switch to KNRF51822_A24 module LCD_WR on P0.25, ADC_SCL on P0.26, ADC_SDA on P0.27
11. Change C4 to 220uF Change buzzer resistor R13 to 10R.

Pure Imagination BTLE Scale

Main PCB

TITLE: pi_btle_scale

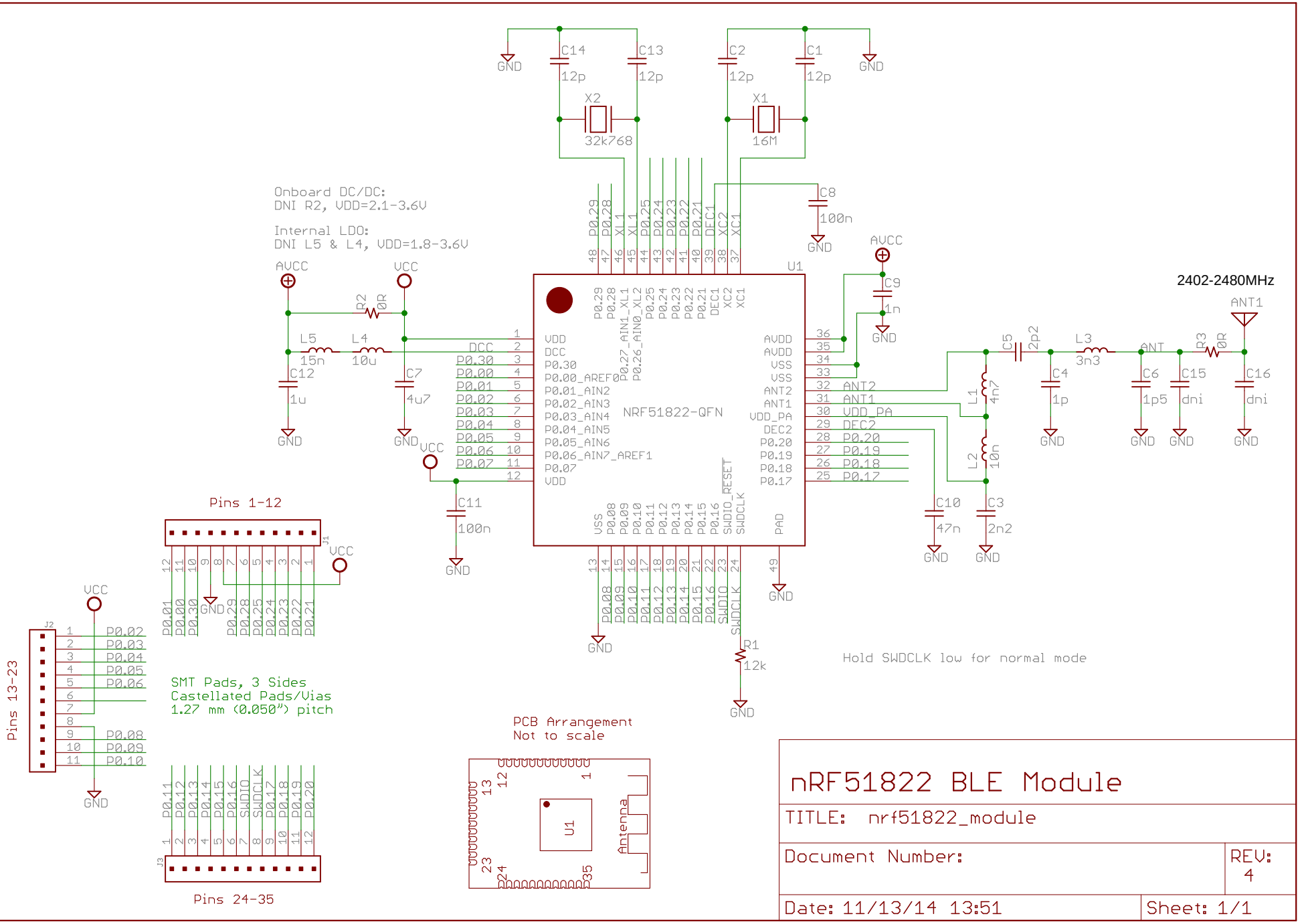
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REV: 11

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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
C13
C2
C1
C8
C9
C12
C7
C11
C10
C3
C5
C4
C6
C15
C16
L1
L2
L3
L4
L5
R1
R2
R3
ANT1
ANT
Pins 1-12
Pins 13-23
Pins 24-35
SMT Pads, 3 Sides
Castellated Pads/Vias
1.27 mm (0.050") pitch
PCB Arrangement
Not to scale
Antenna
Hold SWDCLK low for normal mode
nRF51822 BLE Module
TITLE: nrf51822_module
Document Number:
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