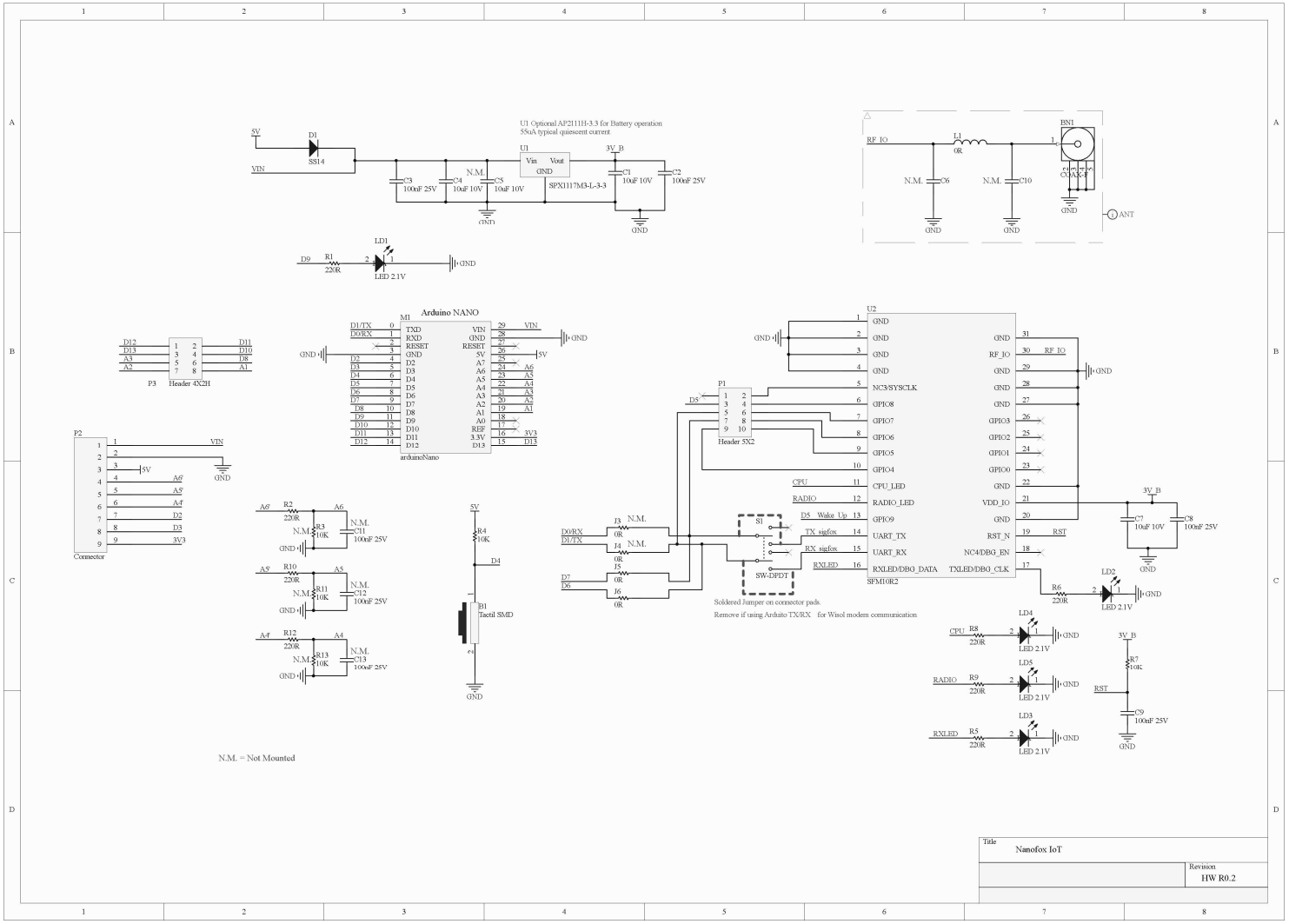
U1 Optional AP2111H-3.3 for Battery operation
55uA typical quiescent current
5V
D1
SS14
VIN
C3
100nF 25V
C4
10uF 10V
N.M.
C5
10uF 10V
U1
Vin
Vout
GND
SPX1117M3-L-3-3
3V_B
C1
10uF 10V
C2
100nF 25V
GND
RF_IO
L1
0R
BN1
N.M.
C6
N.M.
C10
C11
C12
C13
ANT
LD1
D9
R1
220R
LED 2.1V
Arduino NANO
M1
D1/TX
D0/RX
TXD
RXD
RESET
GND
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
VIN
GND
RESET
5V
A7
A6
A5
A4
A3
A2
A1
A0
REF
3.3V
D13
arduinoNano
D12
D13
A3
A2
D11
D10
D8
A1
P3
Header 4X2H
P2
VIN
5V
A6'
A5'
A-f'
D2
D3
3V3
Connector
A6'
R2
220R
A6
N.M.
R3
10K
N.M.
C11
100nF 25V
A5'
R10
220R
A5
N.M.
R11
10K
N.M.
C12
100nF 25V
A-f'
R12
220R
A4
N.M.
R13
10K
N.M.
C13
100nF 25V
5V
R4
10K
D4
B1
Tactil SMD
U2
NC3/SYSCLK
GPIO8
GPIO7
GPIO6
GPIO5
GPIO4
CPU_LED
RADIO_LED
GPIO9
UART_TX
UART_RX
RXLED/DBG_DATA
GPIO3
GPIO2
GPIO1
GPIO0
VDD_IO
RST_N
NC4/DBG_EN
TXLED/DBG_CLK
SFM10R2
RF_IO
RST
CPU
RADIO
D5 Wake Up
TX sigfox
RX sigfox
RXLED
P1
Header 5X2
D5
D0/RX
D1/TX
J3
N.M.
0R
J4
N.M.
0R
D7
D6
J5
0R
J6
0R
S1
SW-DPDT
Soldered Jumper on connector pads.
Remove if using Arduito TX/RX for Wisol modem communication
3V_B
C7
10uF 10V
C8
100nF 25V
LD2
R6
220R
LED 2.1V
CPU
R8
220R
LD4
LED 2.1V
RADIO
R9
220R
LD5
LED 2.1V
RXLED
R5
220R
LD3
LED 2.1V
3V_B
R7
10K
RST
C9
100nF 25V
GND
N.M. = Not Mounted
Title
Nanofox IoT
Revision
HW R0.2