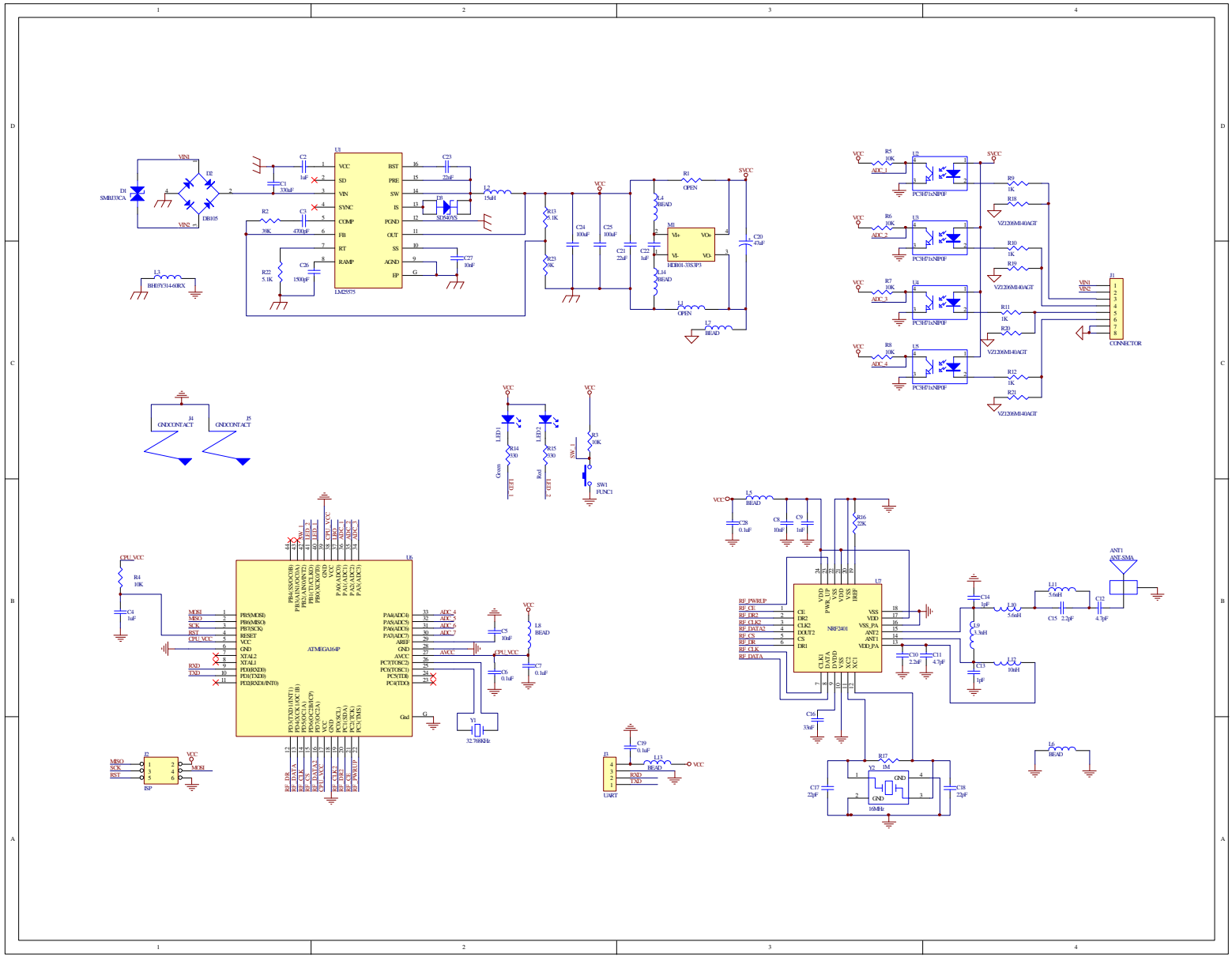
VIN1
D1
SMBJ33CA
DE
DB105
VIN2
L3
BH01Y314-60RX
C2
1uF
C1
330uF
U3
VCC
SD
VIN
SYNC
COMP
FB
RT
RAMP
BST
PRE
SW
IS
PGND
OUT
SS
AGND
EP
LM25575
C23
22uF
L2
15uH
D3
SD560YS
R2
39K
C3
470pF
C26
150pF
R22
5.1K
C27
10nF
R13
1K
R23
8K
C24
100uF
C25
100uF
C21
22uF
C22
1uF
VCC
R1
OPEN
SVCC
L4
BEAD
L14
BEAD
M1
HEB01-33S3P3
C20
47uF
L1
OPEN
L7
BEAD
R5
10K
ADC_1
U2
PC817xNIP0F
R9
1K
R18
VZ1206M140AGT
R6
10K
ADC_2
U3
R10
1K
R19
R7
10K
ADC_3
U4
R11
1K
R20
R8
10K
ADC_4
U5
R12
1K
R21
J1
CONNECTOR
J4
GNDCONTACT
J5
GNDCONTACT
LED1
Green
R14
330
LED2
Red
R15
330
R3
10K
SW_1
SW1
FUNC1
L5
BEAD
C26
0.1uF
C8
10nF
C9
1nF
R16
22K
U7
NRF24L01
RF_PWRUP
RF_CE
RF_IRQ
RF_CLKO
RF_DATA2
RF_CS
RF_DR
RF_CLK
RF_DATA
C14
1pF
L10
5.6nH
L11
5.6nH
C15
2.2pF
C12
4.7pF
ANT1
ANT-SMA
C19
3.3nH
C13
1pF
L12
10nH
C10
2.2pF
C11
4.7pF
C16
33nF
R17
1M
Y2
16MHz
C17
22pF
C18
22pF
L6
BEAD
CPU_VCC
R4
10K
C4
1uF
U6
ATMEGA16P
MOSI
MISO
SCK
RST
CPU_VCC
RXD
TXD
ADC_4
ADC_5
ADC_6
ADC_7
C5
10nF
C6
0.1uF
L8
BEAD
C7
0.1uF
AVCC
Y1
32.768KHz
J2
ISP
MISO
SCK
RST
MOSI
J3
UART
C79
0.1uF
L13
BEAD
RXD
TXD