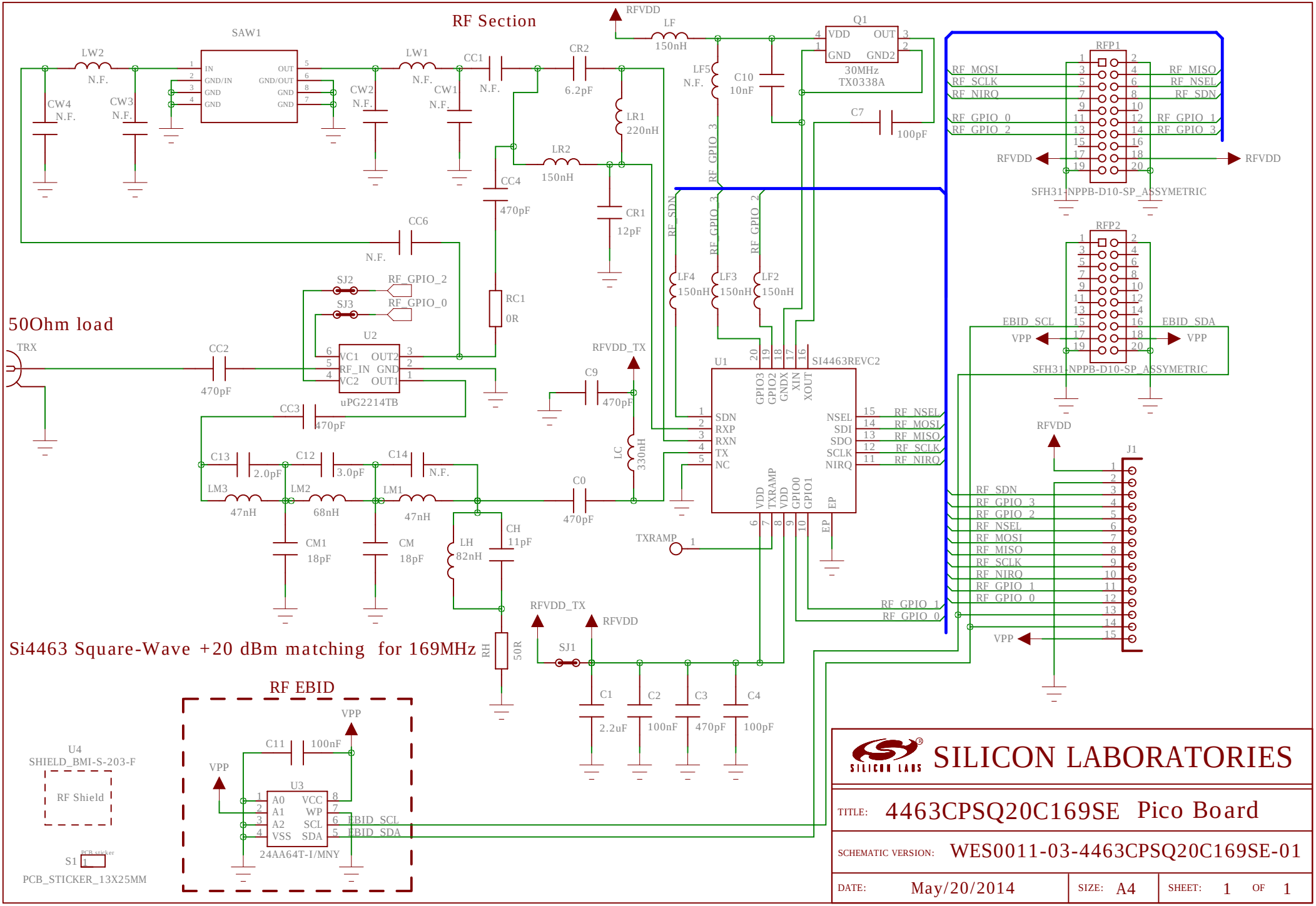
RF Section
SAW1
LW2
N.F.
LW1
N.F.
CC1
N.F.
CR2
6.2pF
RFVDD
LF
150nH
Q1
VDD
OUT
GND
GND2
30MHz
TX0338A
LF5
N.F.
C10
10nF
C7
100pF
CW4
N.F.
CW3
N.F.
CW2
N.F.
CW1
N.F.
LR1
220nH
LR2
150nH
CC4
470pF
CR1
12pF
CC6
N.F.
RC1
0R
RF_GPIO_3
RF_GPIO_2
RF_SDN
LF4
150nH
LF3
150nH
LF2
150nH
RFP1
RF_MOSI
RF_SCLK
RF_NIRQ
RF_MISO
RF_NSEL
RF_SDN
RF_GPIO_0
RF_GPIO_2
RF_GPIO_1
RF_GPIO_3
SFH31-NPPB-D10-SP_ASSYMETRIC
RFP2
EBID_SCL
EBID_SDA
VPP
SFH31-NPPB-D10-SP_ASSYMETRIC
50Ohm load
TRX
CC2
470pF
SJ2
SJ3
RF_GPIO_2
RF_GPIO_0
U2
VC1
OUT2
RF_IN
GND
VC2
OUT1
uPG2214TB
CC3
470pF
RFVDD_TX
C9
470pF
U1
SI4463REVC2
SDN
RXP
RXN
TX
NC
GPIO3
GPIO2
GNDX
XIN
XOUT
NSEL
SDI
SDO
SCLK
NIRQ
VDD
TXRAMP
VDD
GPIO0
GPIO1
EP
C13
2.0pF
C12
3.0pF
C14
N.F.
LM3
47nH
LM2
68nH
LM1
47nH
LC
330nH
C0
470pF
CM1
18pF
CM
18pF
LH
82nH
CH
11pF
TXRAMP
RH
50R
SJ1
RFVDD_TX
RFVDD
C1
2.2uF
C2
100nF
C3
470pF
C4
100pF
J1
Si4463 Square-Wave +20 dBm matching for 169MHz
RF EBID
VPP
C11
100nF
U3
A0
A1
A2
VSS
VCC
WP
SCL
SDA
EBID_SCL
EBID_SDA
24AA64T-I/MNY
U4
SHIELD_BMI-S-203-F
RF Shield
S1
PCB sticker
PCB_STICKER_13X25MM
SILICON LABORATORIES
TITLE: 4463CPSQ20C169SE Pico Board
SCHEMATIC VERSION: WES0011-03-4463CPSQ20C169SE-01
DATE: May/20/2014
SIZE: A4
SHEET: 1 OF 1