

Si4461 Class-E +14/+16dBm matching for 868MHz

With wirewound inductors

TX
SMAVERT

CC1 68pF
CM2 N.F.
LM2 OR
LM1 6.8nH
CM1 5.6pF
C0 22pF
CM 5.6pF
L0 8.2nH
LC3 120nH
CR2 1pF
LR1 20nH
LR2 24nH
CR1 3.0pF
C9 68pF
RFVDD_TX
SJ1
C1 2.2uF
C2 100nF
C3 100pF
C4 33pF
RFVDD
TXRAMP

U2: SI4461REV C2
SDN
RXP
RXN
TX1
TX
NC
GPIO3
GPIO2
GPIO1
GNDX
XIN
XOUT
NSEL
SDI
SDO
SCLK
NIRQ
VDD
TXRAMP
VDD
GPIO0
GPIO1
EP
EP

RF SDN
RF GPIO 3
RF GPIO 2
RF GPIO 1
RF GPIO 0
RF NIRQ
RF NSEL
RF MOSI
RF MISO
RF SCLK
RF NIRQ

U3: 24AA64T-1 MNY
VPP
VCC
WP
SCL
SDA
EBID_SCL
EBID_SDA

U4: SHIELD_BMI-S-203-F
RF Shield

S1: PCB_STICKER_13X25MM

500hm load

RF EBID

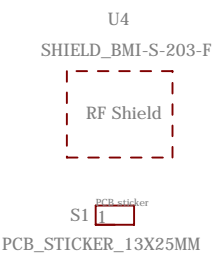
SILICON LABORATORIES

TITLE: 4461CPCE14D868 Pico Board

SCHEMATIC VERSION: WES0007-03-4461CPCE14D868-0

DATE: 10/10/2014

SHEET: 1



 SILICON LABORATORIES		
TITLE: 4461CPCE14D868 Pico Board		
SCHEMATIC VERSION: WES0007-03-4461CPCE14D868-01		
DATE:	Jun/6/2014	SIZE: A4 SHEET: 1 OF 1