U8

27.12MHz 10pF

Pin	Label
37	NFC_CLK_XTAL2
36	NFC_CLK_XTAL1
40	CLK_REQ
7	I2CSCL
5	I2CSDA
8	IRQ
10	VEN
1	I2CADR0
3	I2CADR1
6	VDD(PAD)
26	VBAT

C16 12pF
C17 12pF
GND
Y2

I2C1_SCL
I2C1_SDA
RFID_IRQ
RFID_VEN
GND
3V3
VIN_BAT

TP16

PN7150

Pin	Label
16	RXP
21	TX1
18	TX2
15	RXN
13	VBAT1
12	VBAT2
17	VDD(MID)
22	VDD(TX_IN)
14	VDD(TX)

RFID_RXP
RFID_TX1
RFID_TX2
RFID_RXN
VIN_BAT

I.C. VDDA VDD VDDD VSS(PAD) VSS VSS VSS(TX) VSS EXP
28 29 30 2 4 9 27 19 EXP

C18 1uF
C19 4.7uF
C20 1uF
GND
C29 1uF
C30 0.1uF
C31 0.1uF
GND

RFID_RXP
C21 1 nF
R20 1.5k
TP17

RFID_TX1
L1 560nH
C23 180pF
C25 33pF
C27 82pF

GND 560nH
C24 180pF
C26 33pF
C28 82pF

RFID_TX2
L2 560nH
TP18

RFID_RXN
C22 1 nF
R21 1.5k

RFID and Antenna Matching

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