SX1276

Schematic diagram of SX1276 RF module with STM32L151CBT6 microcontroller.

Key components and labels:

- Q1 TCXO 32MHz (3x2.5) TC323
- U5 SX1276 SX1276L_(QFN28)
- U9 ANT SWITCH LF PE4259 sot-363
- U51 STM32L151CBT6 LQFP48
- J21 ANT SMA
- J10 JTAG 5267-3 / 5268-03A

Signal notes:
- GPIO_RFSW1 : 0, GPIO_RFSW2 : 1 => RF MODE
- GPIO_RFSW1 : 1, GPIO_RFSW2 : 0 => TX MODE
- RF_SWITH_ON/OFF MCU GPO CONTROL
- Sleep on/off

UART_RX UART_TX

R31 R30
100 100
R1608 R1608

U5
29 gnd DTR
28 27 26 25 24 23 22
DSR TXD RXD RTS CTS NC

1 DCD
2 RI
3 GND
4 D+
5 D-
6 VDD
7 REGIN

CP2102
CP2102_(QFN28)

NC 21
NC 20
NC 19
NC 18
NC 17
NC 16
NC 15

VBUS RST NC SUSPEND SUSPEN NC NC
8 9 10 11 12 13 14

R44 30
R1608
R47 30
R1608

R48 C19
1k 100nF
R1608 C1608

R49
12
R1608

R50
12
R1608

VBUS_1 VBUS_1

Micro USB

BOOSTER_USB_A

J9
5 6
4 7
3 8
2 9
1

VBUS_1 R45 30
R46 R1608
30
R1608

7103US-04-011
I-MIN-AIM-1F

D+ D-

A A