

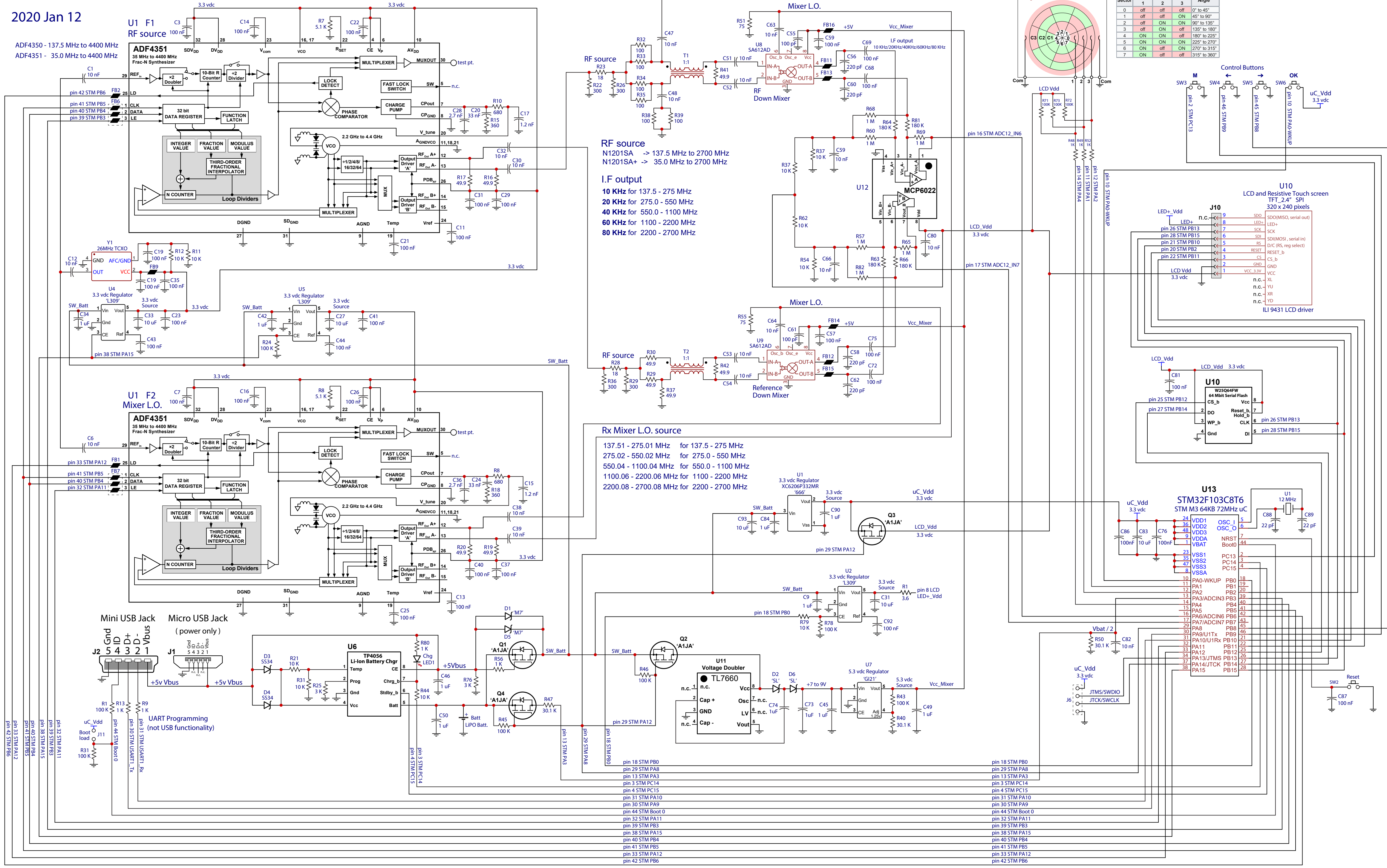
# N1201SA RF Vector Impedance Meter

rev 2.70

2020 Jan 12

ADF4350 - 137.5 MHz to 4400 MHz  
ADF4351 - 35.0 MHz to 4400 MHz

Measurement SMA conn. Port J5 35.0 MHz to 2700 MHz



Sector	Contact 1	Contact 2	Contact 3	Angle
0	off	off	off	0° to 45°
1	off	ON	ON	45° to 90°
2	off	ON	off	90° to 135°
3	off	ON	off	135° to 180°
4	ON	ON	off	180° to 225°
5	ON	ON	ON	225° to 270°
6	ON	off	ON	270° to 315°
7	ON	off	off	315° to 360°

**RF source**  
N1201SA -> 137.5 MHz to 2700 MHz  
N1201SA+ -> 35.0 MHz to 2700 MHz

**I.F. output**  
10 KHz for 137.5 - 275 MHz  
20 KHz for 275.0 - 550 MHz  
40 KHz for 550.0 - 1100 MHz  
60 KHz for 1100 - 2200 MHz  
80 KHz for 2200 - 2700 MHz

**Rx Mixer L.O. source**

137.51 - 275.01 MHz for 137.5 - 275 MHz  
275.02 - 550.02 MHz for 275.0 - 550 MHz  
550.04 - 1100.04 MHz for 550.0 - 1100 MHz  
1100.06 - 2200.06 MHz for 1100 - 2200 MHz  
2200.08 - 2700.08 MHz for 2200 - 2700 MHz

**U10**  
LCD and Resistive Touch screen  
TFT\_2.4" SPI  
320 x 240 pixels

ILI 9431 LCD driver

**U13**  
STM32F103C8T6  
STM M3 64KB 72MHz uC

**Mini USB Jack**  
Gnd ID D+ D- Vbus

**Micro USB Jack (power only)**  
Gnd ID D+ D- Vbus

**UART Programming (not USB functionality)**

pin 33 STM PA12  
pin 41 STM PB5  
pin 40 STM PB4  
pin 32 STM PA11

pin 38 STM PA15  
pin 39 STM PB3  
pin 38 STM PA15  
pin 40 STM PB4  
pin 41 STM PB5  
pin 33 STM PA12  
pin 42 STM PB6

pin 18 STM PB0  
pin 29 STM PA8  
pin 13 STM PA3  
pin 3 STM PC14  
pin 4 STM PC15  
pin 31 STM PA10  
pin 30 STM PA9  
pin 44 STM Boot 0  
pin 32 STM PA11  
pin 39 STM PB3  
pin 38 STM PA15  
pin 40 STM PB4  
pin 41 STM PB5  
pin 33 STM PA12  
pin 42 STM PB6

pin 18 STM PB0  
pin 29 STM PA8  
pin 13 STM PA3  
pin 3 STM PC14  
pin 4 STM PC15  
pin 31 STM PA10  
pin 30 STM PA9  
pin 44 STM Boot 0  
pin 32 STM PA11  
pin 39 STM PB3  
pin 38 STM PA15  
pin 40 STM PB4  
pin 41 STM PB5  
pin 33 STM PA12  
pin 42 STM PB6

# Frac-N Synthes

