The values for this are still a work in progress.

Arduino Nano connections are not finalized here.

+3.3V +5V

C1 .1u   C2 .1u

GND   GND

VIN 3V3 +5V

D0/RX   RESET
D1/TX   RESET
D2
D3   28
D4
D5   AREF
D6   A0
D7   A1
D8   A2
D9   A3
D10   A4 SDA_5V
D11   A5 SCL_5V
D12   A6
D13   A7

GND GND

A1

Arduino_Nano_v3.x-MCU_Module-IQ_SDR-rescue

GND

Mixer

C17 .1u   +4.3V

GND   U2 SN74CBT3253

BP_Filter_o   1A VCC 1B1
              2A   1B2
                       1B3
                       1B4
I_LO   S0
Q_LO   S1   2B1
                2B2
        1OE   2B3
        2OE   2B4
        GND

GND

R3 50   J13
C19 100p
R4 50   J12
C18 100p
GND
R7 1k   J1
GND

R6 50   J11
C21 100p
GND
J10
R5 50   J2
C20 100p Conn_01x02_Female
R8 1k   GND
GND

Low Noise Instrumentation Amplifiers

U3 INA821ID   +4.3V
+VS   C5 .1u
-VS
+IN   GND
-IN   OUT
REF
RG
RG1
GND

J14

U4 INA821ID   +4.3V
+VS   C6 .1u
-VS
+IN   GND
-IN   OUT
REF
RG
RG1
GND

J15

Multifeedback LPF design for 93kHz.
Not sure if this is implemented correctly yet,
based off of the description in Teams there probably
needs to be some changes but I'm not sure yet.

R24 27k
R11 50   R25 330   C25 18p   C28 10uF
C23 0.018u   LM4562 U7A   R28 100
GNDA
U7C LM4562   +4.3V
V- V+
GND   C27 .1uF   R29 100
GND

J3 AudioJack3
R
L
JP3 Jumper_NC_Small-Device

R26 27k
R10 50   R27 330   C26 18p   U6B LM4562
C24 0.018u   10uF C29
GND   GNDA

Local Oscillator

+3.3V

C3 .1u

GND

XTAL1A
ABL-20.000MHZ-B2

XA VDD
XB VDDO CLK0
            CLK1   I_LO   J4
+3.3V SCL CLK2   Q_LO   J5
       SDA GND
R1 1k R2 1k
SCL_3V
SDA_3V   U1 Si5351A-B-GT

GND

3rd Order Bandpass Filter.
Frequency Range: 10-16MHz

C16 .1u

+4.3V
R22 10k R23 10k
GND

J6 Conn_Coaxial
J7   C7 120pF   L1 1.5u   C13 120pF   L3 1.5u
D1 1N914 D2 1N914   C11 1.1nF   L2 150n   J16   BP_Filter_o
JP2 Jumper_NC_Small
GND

Converter - 5V to 3.3V

+3.3V   +5V

R9 10k R16 10k   R17 10k R18 10k

SDA_3V   SDA_5V
Q1 BSS138

SCL_3V   SCL_5V
Q2 BSS138

Voltage Smoother

+5V

JP1   R19 1k   J8 PWR_FLAG   +4.3V
Q3 PN2222A
C4 10u   R20 10k   PWR_FLAG
GND   J9   R21 10k   C8 .1u   LM4562 U6A

U6C LM4562   +4.3V
V- V+
GND   C22 .1uF
GND
GNDA

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