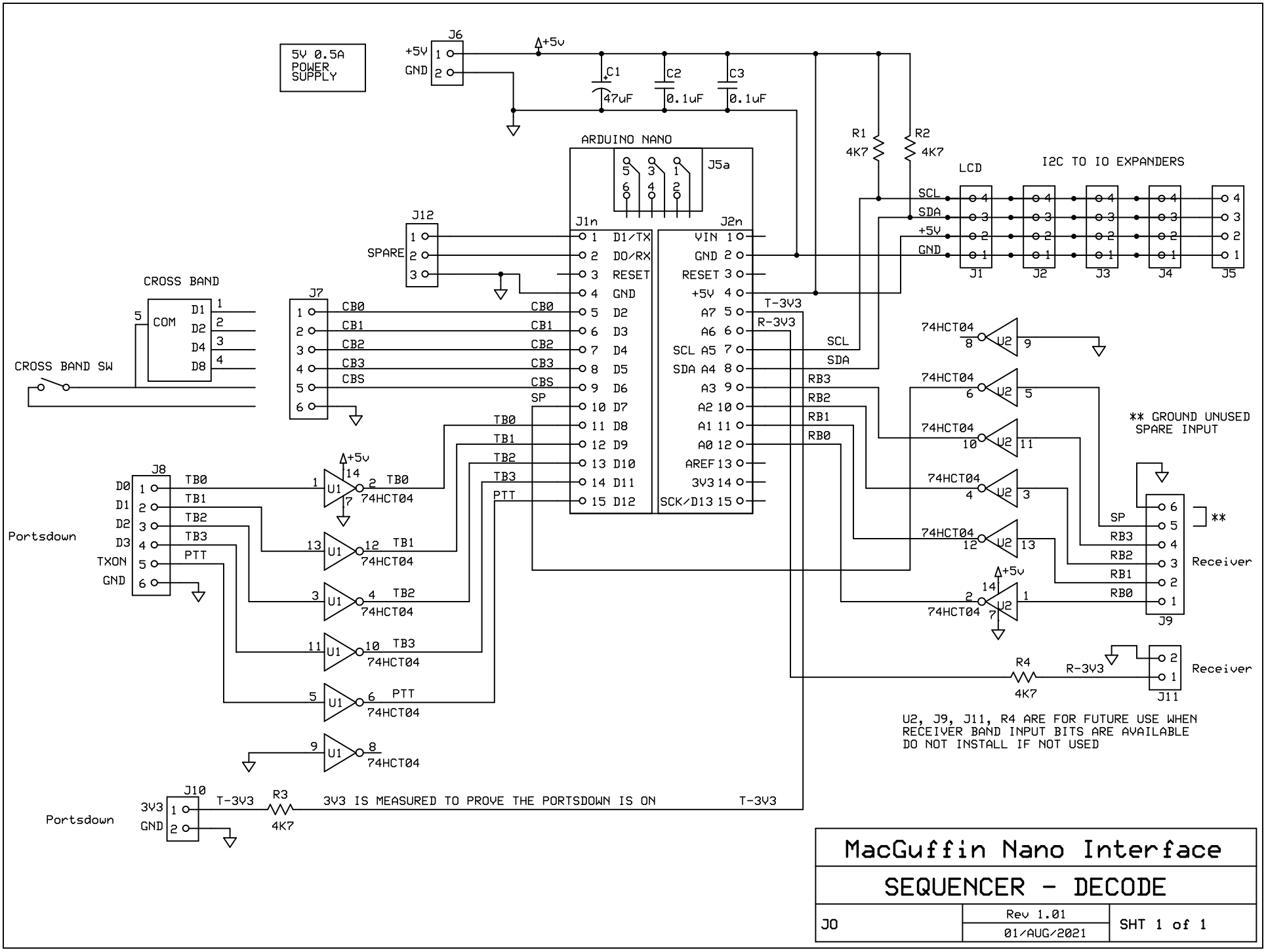
5V 0.5A POWER SUPPLY
J6
+5V
GND
+5v
C1
47uF
C2
0.1uF
C3
0.1uF
R1
4K7
R2
4K7
ARDUINO NANO
J5a
J1n
J2n
D1/TX
D0/RX
RESET
GND
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
VIN
GND
RESET
+5V
A7
A6
SCL A5
SDA A4
A3
A2
A1
A0
AREF
3V3
SCK/D13
T-3V3
R-3V3
SCL
SDA
LCD
I2C TO IO EXPANDERS
J1
J2
J3
J4
J5
J12
SPARE
CROSS BAND
CROSS BAND SW
COM
D1
D2
D4
D8
J7
CB0
CB1
CB2
CB3
CBS
SP
TB0
TB1
TB2
TB3
PTT
J8
D0
D1
D2
D3
TXON
GND
Portsdown
U1
74HCT04
U2
RB3
RB2
RB1
RB0
** GROUND UNUSED SPARE INPUT
**
J9
Receiver
J11
R4
4K7
U2, J9, J11, R4 ARE FOR FUTURE USE WHEN RECEIVER BAND INPUT BITS ARE AVAILABLE DO NOT INSTALL IF NOT USED
J10
3V3
GND
R3
4K7
3V3 IS MEASURED TO PROVE THE PORTSDOWN IS ON
MacGuffin Nano Interface
SEQUENCER - DECODE
J0
Rev 1.01
01/AUG/2021
SHT 1 of 1