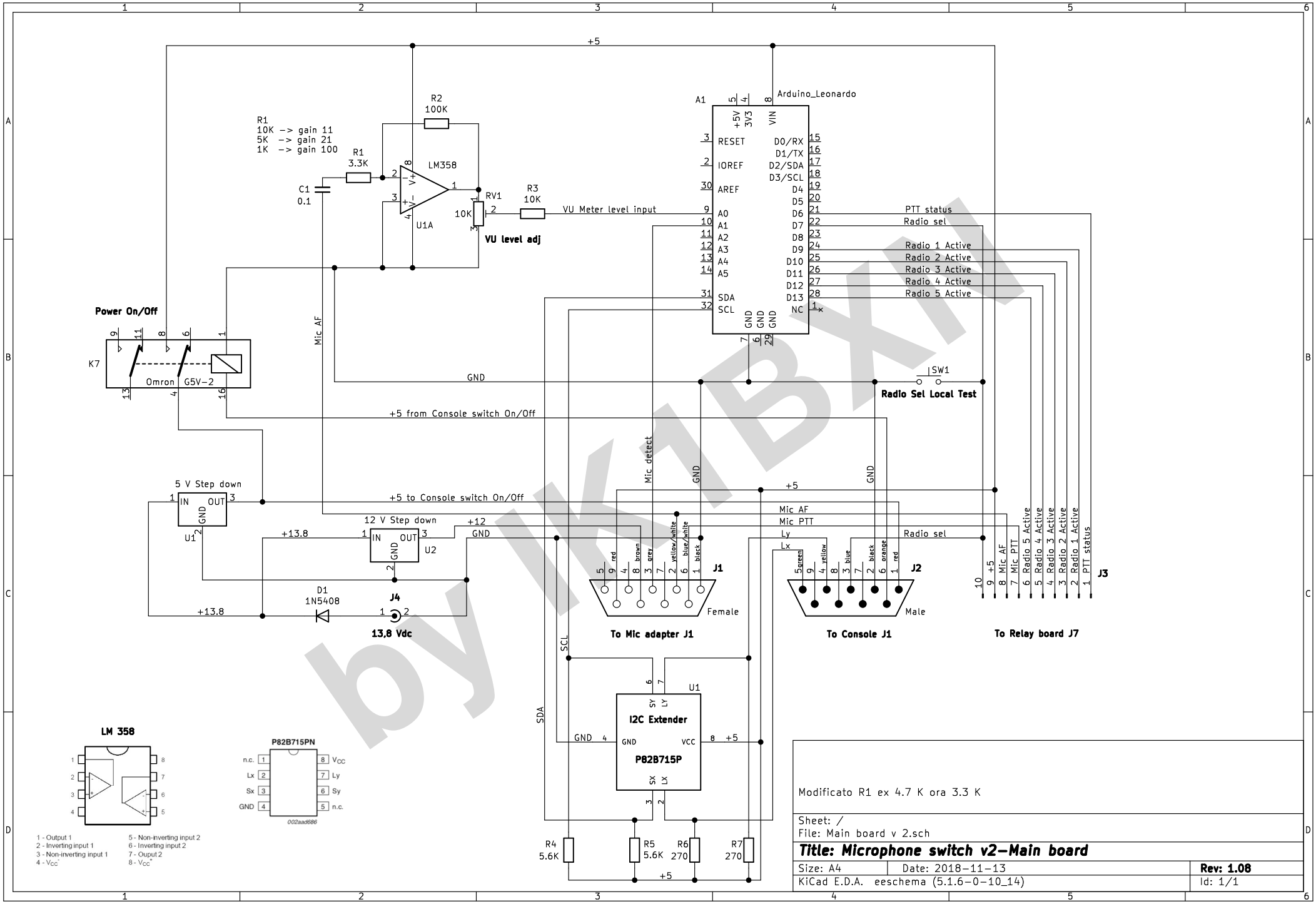
+5
R2
100K
R1
10K -> gain 11
5K -> gain 21
1K -> gain 100
R1
3.3K
LM358
C1
0.1
U1A
RV1
10K
R3
10K
VU Meter level input
VU level adj
A1
Arduino_Leonardo
+5V
3V3
VIN
RESET
IOREF
AREF
A0
A1
A2
A3
A4
A5
SDA
SCL
D0/RX
D1/TX
D2/SDA
D3/SCL
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
NC
GND
PTT status
Radio sel
Radio 1 Active
Radio 2 Active
Radio 3 Active
Radio 4 Active
Radio 5 Active
Power On/Off
K7
Omron G5V-2
Mic AF
GND
SW1
Radio Sel Local Test
+5 from Console switch On/Off
5 V Step down
IN
OUT
GND
U1
+5 to Console switch On/Off
12 V Step down
+13.8
+12
U2
Mic detect
Mic AF
Mic PTT
Ly
Lx
Radio sel
J1
J2
J3
Female
Male
To Mic adapter J1
To Console J1
To Relay board J7
D1
1N5408
J4
13,8 Vdc
SCL
SDA
I2C Extender
P82B715P
VCC
Sy
Ly
Sx
Lx
R4
5.6K
R5
5.6K
R6
270
R7
270
LM 358
1 - Output 1
2 - Inverting input 1
3 - Non-inverting input 1
4 - Vcc-
5 - Non-inverting input 2
6 - Inverting input 2
7 - Ouput 2
8 - Vcc+
P82B715PN
n.c.
Lx
Sx
GND
Vcc
Ly
Sy
n.c.
002aad686
Modificato R1 ex 4.7 K ora 3.3 K
Sheet: /
File: Main board v 2.sch
Title: Microphone switch v2-Main board
Size: A4
Date: 2018-11-13
Rev: 1.08
KiCad E.D.A. eeschema (5.1.6-0-10_14)
Id: 1/1

by IK1BXI