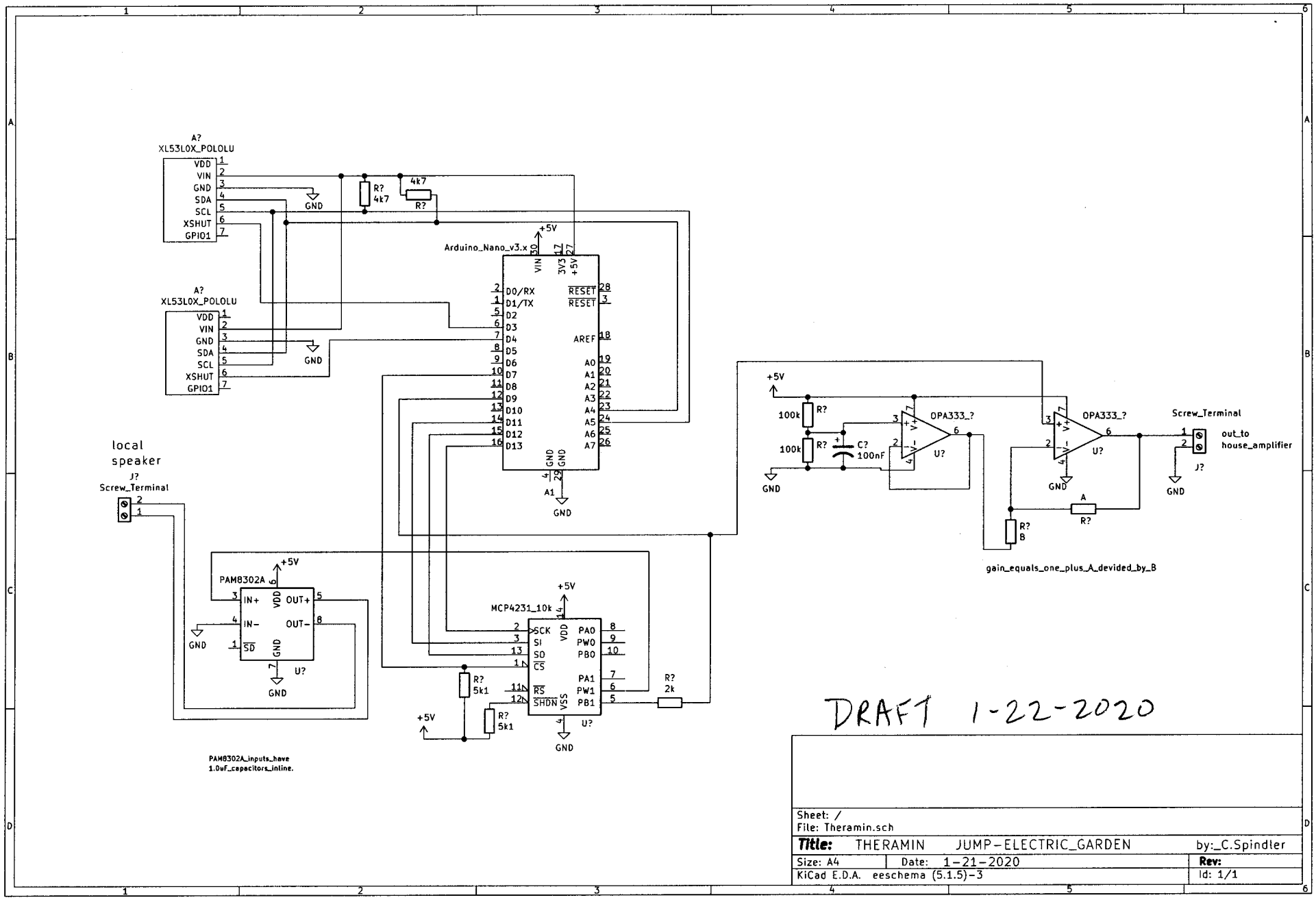
A?
XL53L0X_POLOLU
VDD
VIN
GND
SDA
SCL
XSHUT
GPIO1
R?
4k7
4k7
R?
GND
Arduino_Nano_v3.x
+5V
VIN
3V3
+5V
D0/RX
D1/TX
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
RESET
RESET
AREF
A0
A1
A2
A3
A4
A5
A6
A7
GND
GND
A1
local
speaker
J?
Screw_Terminal
PAM8302A
IN+
IN-
SD
VDD
GND
OUT+
OUT-
U?
MCP4231_10k
SCK
SI
SO
CS
RS
SHDN
VDD
VSS
PA0
PW0
PB0
PA1
PW1
PB1
R?
5k1
R?
2k
PAM8302A_inputs_have
1.0uF_capacitors_inline.
100k
C?
100nF
OPA333_?
U?
Screw_Terminal
out_to
house_amplifier
J?
A
B
gain_equals_one_plus_A_devided_by_B
DRAFT 1-22-2020
Sheet: /
File: Theramin.sch
Title: THERAMIN JUMP-ELECTRIC_GARDEN
by:_C.Spindler
Size: A4
Date: 1-21-2020
Rev:
KiCad E.D.A. eeschema (5.1.5)-3
Id: 1/1