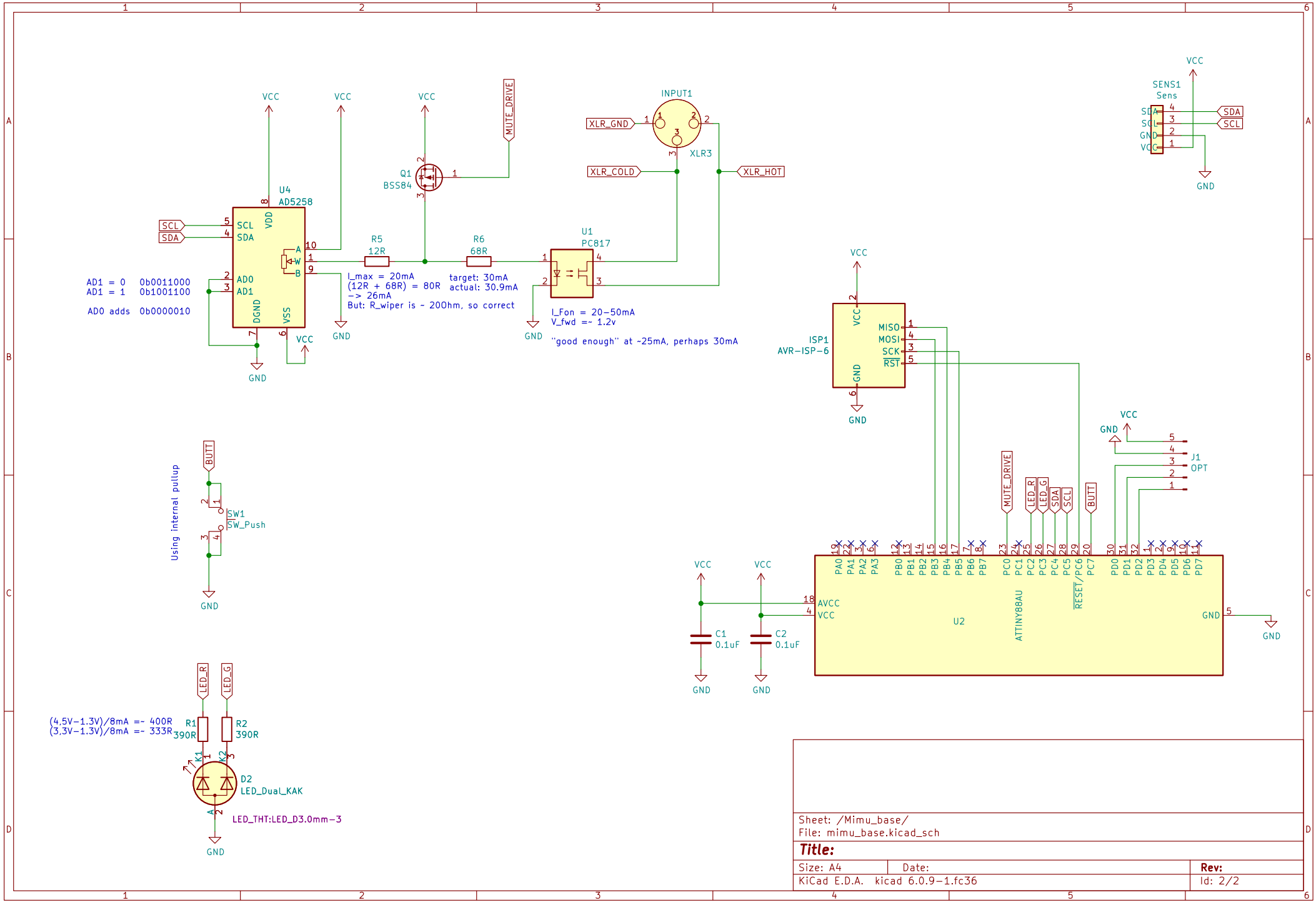
U4
AD5258
SCL
SDA
AD0
AD1
VDD
DGND
VSS
A
W
B
AD1 = 0 0b0011000
AD1 = 1 0b1001100
AD0 adds 0b0000010
R5
12R
R6
68R
I_max = 20mA
(12R + 68R) = 80R
~> 26mA
But: R_wiper is ~ 200hm, so correct
target: 30mA
actual: 30.9mA
Q1
BSS84
MUTE_DRIVE
U1
PC817
I_Fon = 20-50mA
V_fwd =~ 1.2v
"good enough" at ~25mA, perhaps 30mA
INPUT1
XLR3
XLR_GND
XLR_COLD
XLR_HOT
SENS1
Sens
ISP1
AVR-ISP-6
MISO
MOSI
SCK
RST
J1
OPT
BUTT
SW1
SW_Push
Using internal pullup
LED_R
LED_G
(4,5V-1.3V)/8mA =~ 400R
(3,3V-1.3V)/8mA =~ 333R
R1
390R
R2
390R
K1
K2
D2
LED_Dual_KAK
LED_THT:LED_D3.0mm-3
U2
ATTINY88AU
AVCC
VCC
GND
RESET/PC6
C1
0.1uF
C2
0.1uF
Sheet: /Mimu_base/
File: mimu_base.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 6.0.9-1.fc36
Id: 2/2