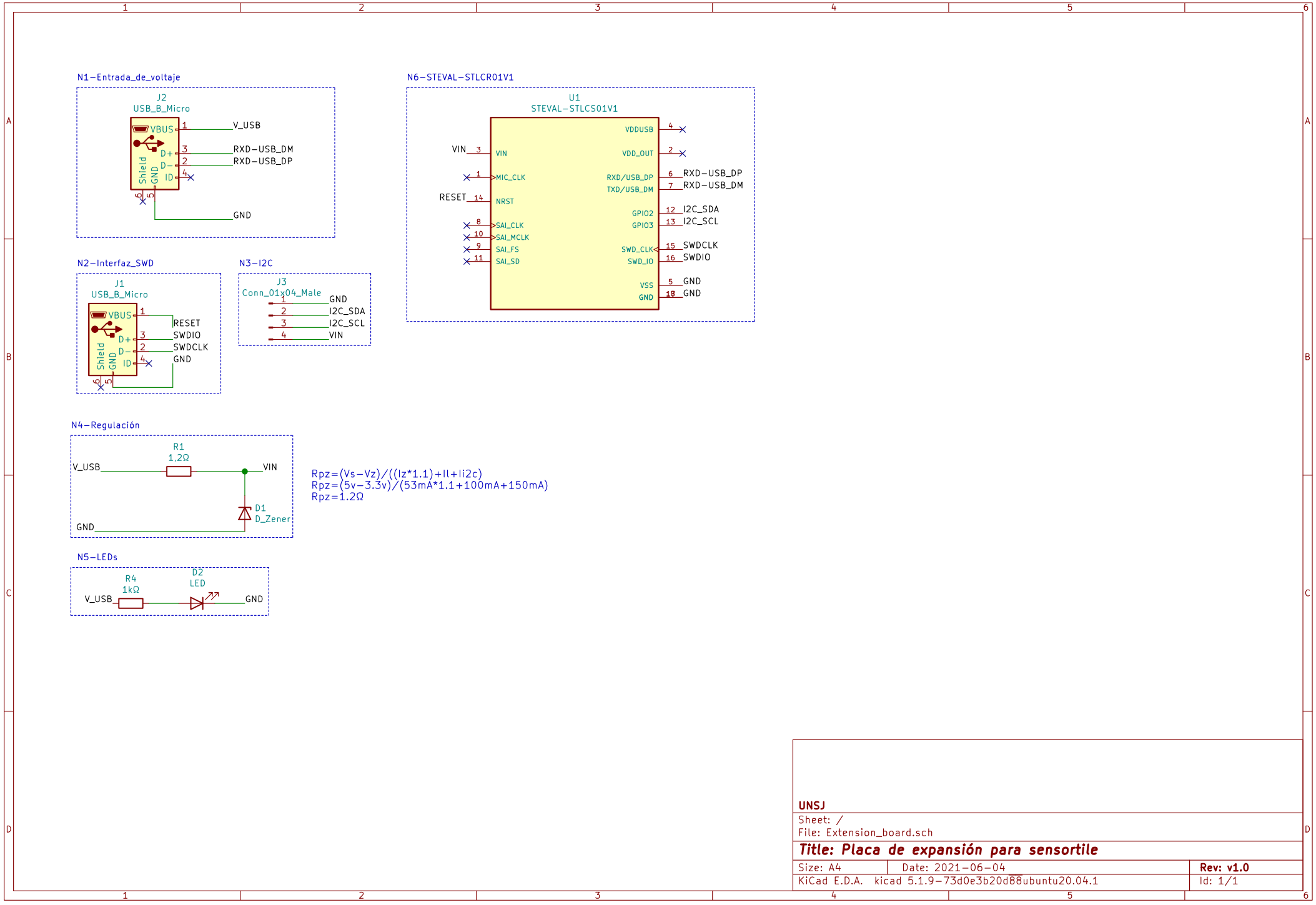
N1-Entrada_de_voltaje
J2
USB_B_Micro
VBUS
D+
D-
ID
GND
Shield
V_USB
RXD-USB_DM
RXD-USB_DP
GND
N6-STEVAL-STLCR01V1
U1
STEVAL-STLCS01V1
VIN
MIC_CLK
RESET
NRST
SAI_CLK
SAI_MCLK
SAI_FS
SAI_SD
VDDUSB
VDD_OUT
RXD/USB_DP
TXD/USB_DM
GPIO2
GPIO3
SWD_CLK
SWD_IO
VSS
GND
I2C_SDA
I2C_SCL
SWDCLK
SWDIO
N2-Interfaz_SWD
J1
USB_B_Micro
RESET
SWDIO
SWDCLK
GND
N3-I2C
J3
Conn_01x04_Male
GND
I2C_SDA
I2C_SCL
VIN
N4-Regulación
R1
1.2Ω
V_USB
VIN
D1
D_Zener
GND
Rpz=(Vs-Vz)/((Iz*1.1)+Il+Ii2c)
Rpz=(5v-3.3v)/(53mA*1.1+100mA+150mA)
Rpz=1.2Ω
N5-LEDs
R4
1kΩ
D2
LED
V_USB
GND
UNSJ
Sheet: /
File: Extension_board.sch
Title: Placa de expansión para sensortile
Size: A4
Date: 2021-06-04
Rev: v1.0
KiCad E.D.A. kicad 5.1.9-73d0e3b20d88ubuntu20.04.1
Id: 1/1