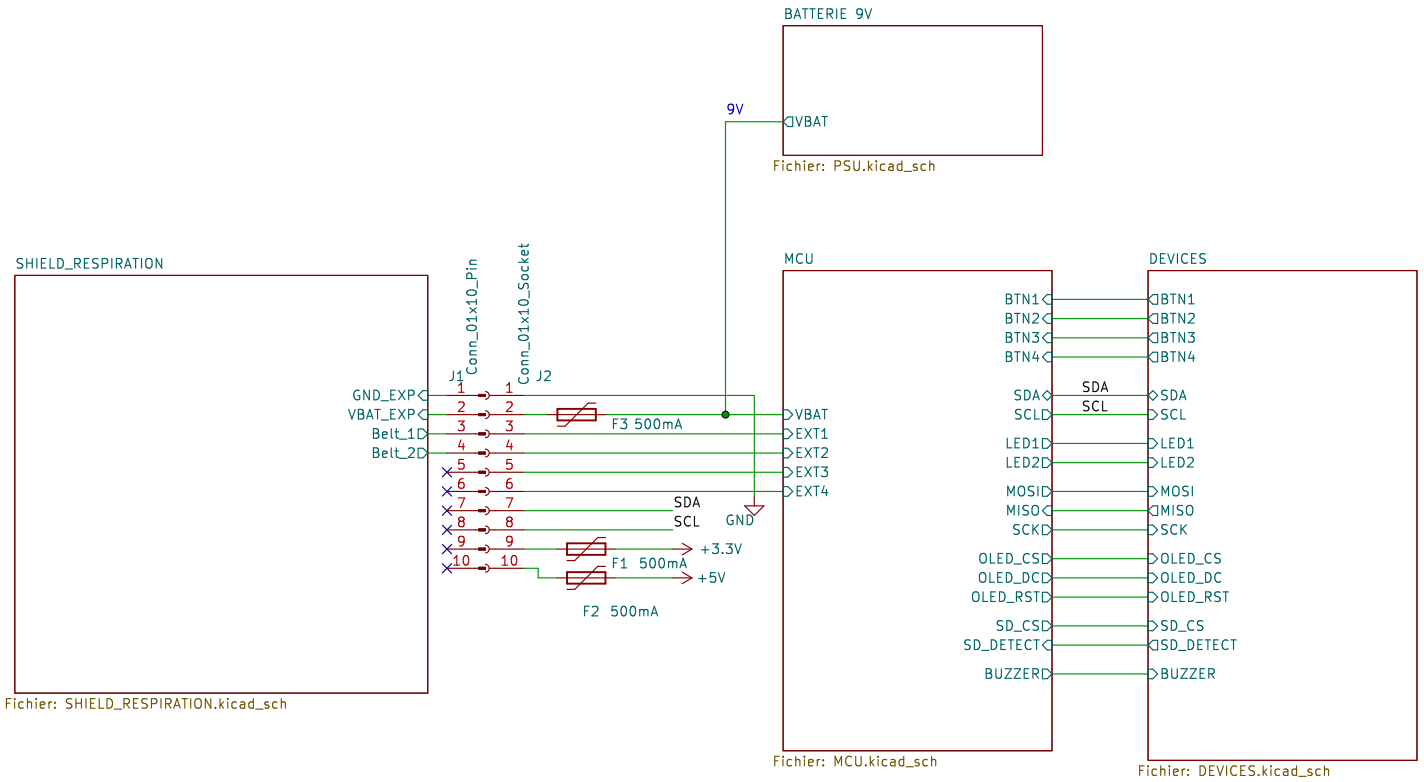
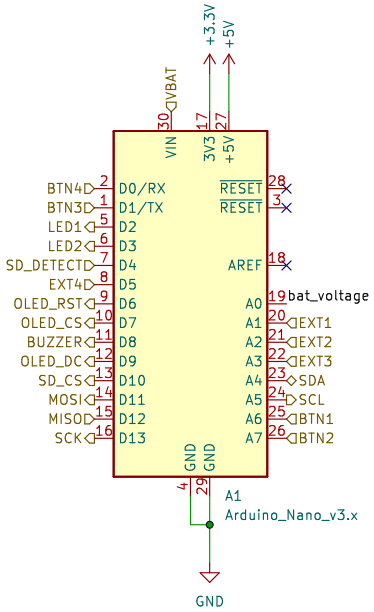
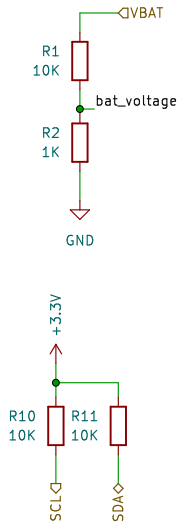

BATTERIE 9V
9V
VBAT
Fichier: PSU.kicad_sch
SHIELD_RESPIRATION
Conn_01x10_Pin
Conn_01x10_Socket
J1
J2
GND_EXP
VBAT_EXP
Belt_1D
Belt_2D
F3 500mA
SDA
SCL
GND
+3.3V
F1 500mA
+5V
F2 500mA
Fichier: SHIELD_RESPIRATION.kicad_sch
MCU
VBAT
EXT1
EXT2
EXT3
EXT4
Fichier: MCU.kicad_sch
DEVICES
BTN1
BTN2
BTN3
BTN4
SDA
SCL
LED1
LED2
MOSI
MISO
SCK
OLED_CS
OLED_DC
OLED_RST
SD_CS
SD_DETECT
BUZZER
Fichier: DEVICES.kicad_sch

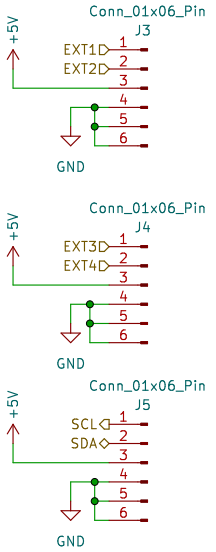
MCU NANO PINOUT
ARDUINO NANO BLE 33



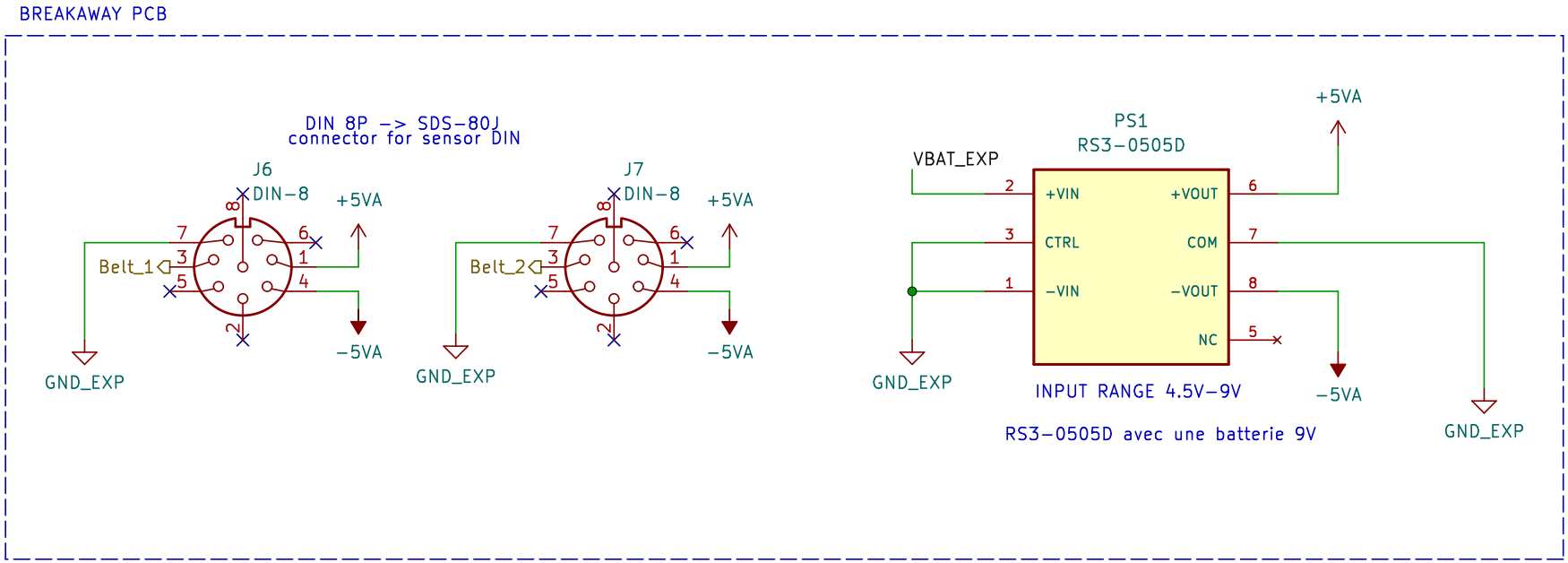
POWER

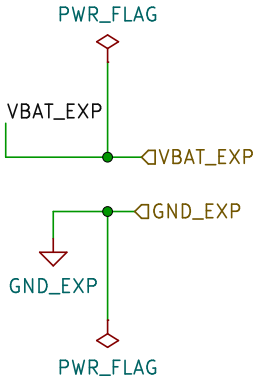


GROOVE EXTENSION



Référence
https://content.arduino.cc/assets/NANO33BLE_V4.0_sch.pdf?_gl=1*1v2d5tn*_ga*MTgwOTc4MjI5MC4xNjg2OTY2OTQz*_ga_NEXN8H46L5*MTY4NjI3MDgyNi4yLjEuMTY4NjI3MTE2NC4wLjAuMA..


BREAKAWAY PCB
DIN 8P -> SDS-80J
connector for sensor DIN
J6
DIN-8
+5VA
Belt_1
GND_EXP
-5VA
J7
DIN-8
+5VA
Belt_2
GND_EXP
-5VA
PS1
RS3-0505D
VBAT_EXP
+VIN
CTRL
-VIN
+VOUT
COM
-VOUT
NC
+5VA
-5VA
GND_EXP
GND_EXP
INPUT RANGE 4.5V-9V
RS3-0505D avec une batterie 9V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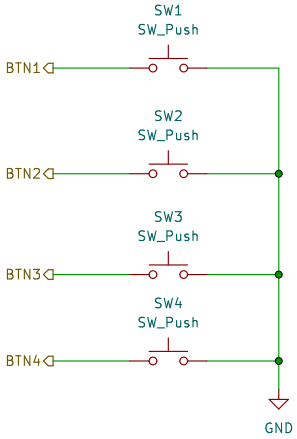
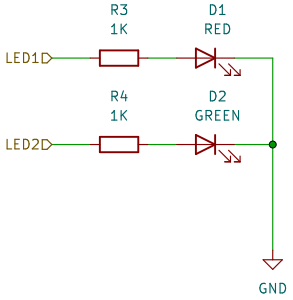
VBAT_EXP
VBAT_EXP
GND_EXP
GND_EXP
PWR_FLAG

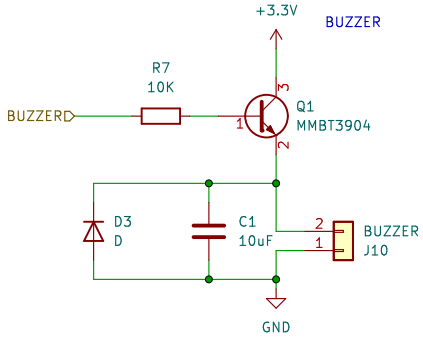
BOUTONS



LEDs

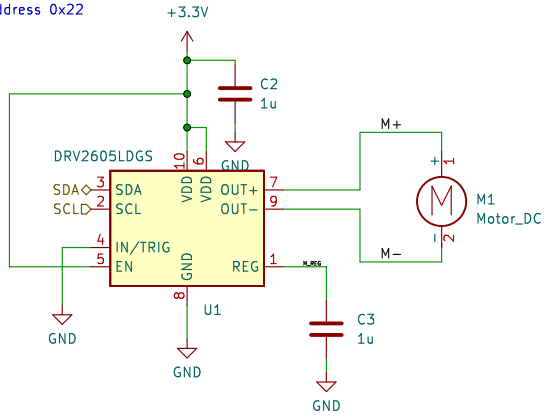


BUZZER_DRIVER

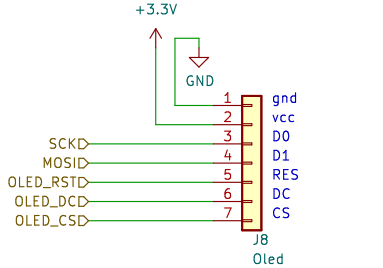


Vib Motor driver – DRV2605LDGS

I2C Address 0x22

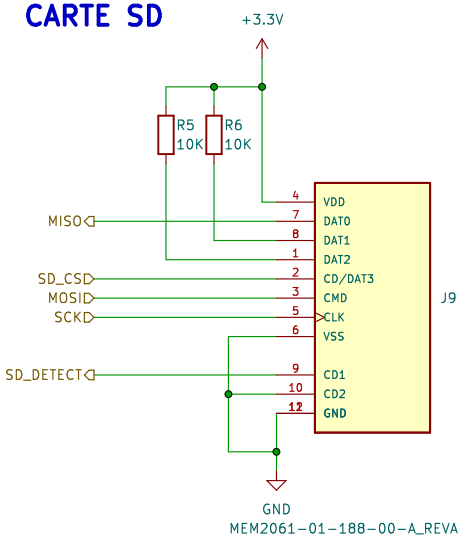


SPI DISPLAY – SSD1306

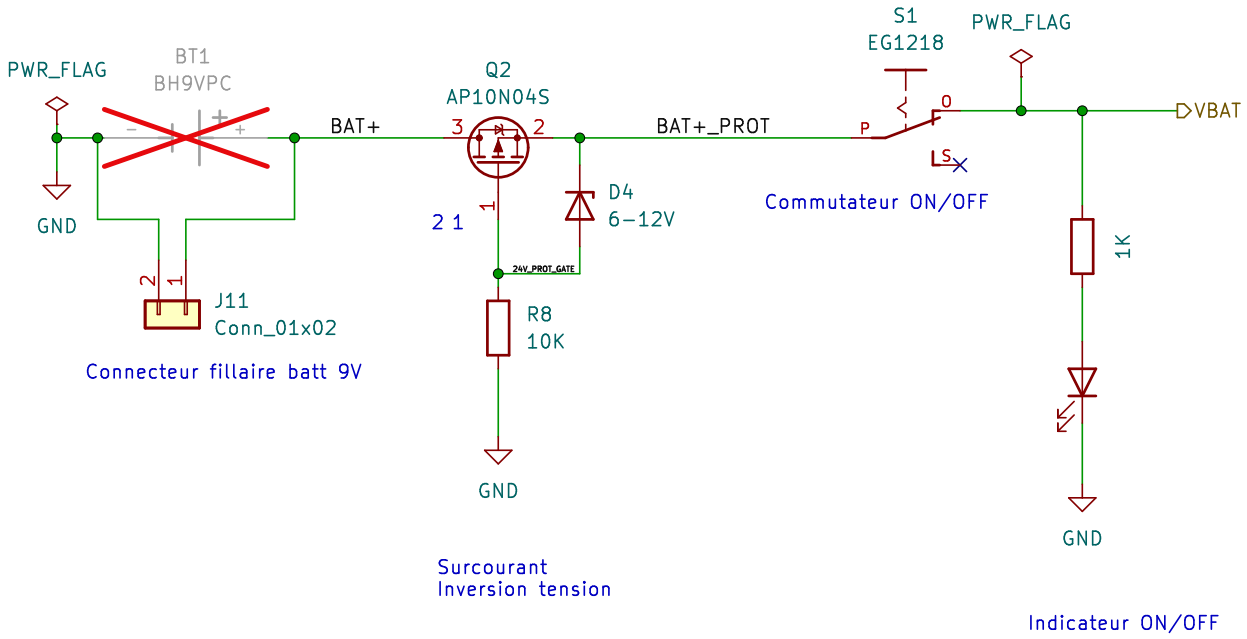


https://www.amazon.ca/CANADUINO-OLED-Display-128x64-Interface/dp/B07R93LQG4

CARTE SD



MEM2061-01-188-00-A_REVA


PWR_FLAG
BT1
BH9VPC
GND
BAT+
Q2
AP10N04S
3
2
1
2 1
D4
6-12V
24V_PROT_GATE
R8
10K
GND
J11
Conn_01x02
2
1
Connecteur fillaire batt 9V
Surcourant
Inversion tension
BAT+_PROT
S1
EG1218
P
0
S
Commutateur ON/OFF
PWR_FLAG
VBAT
1K
GND
Indicateur ON/OFF