

SMART DEVICES Capteur de gaz connecté





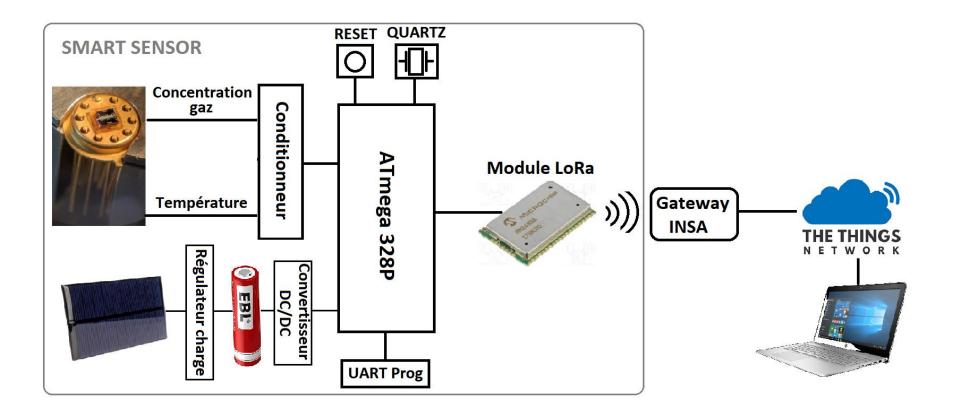






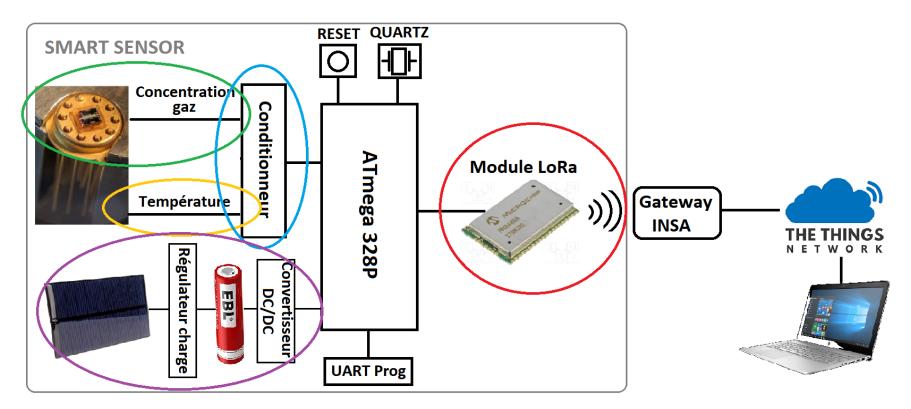


MOSH: Schéma fonctionnel





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Mesure grandeur physique

Auto-diagnostic (capteur intelligent)

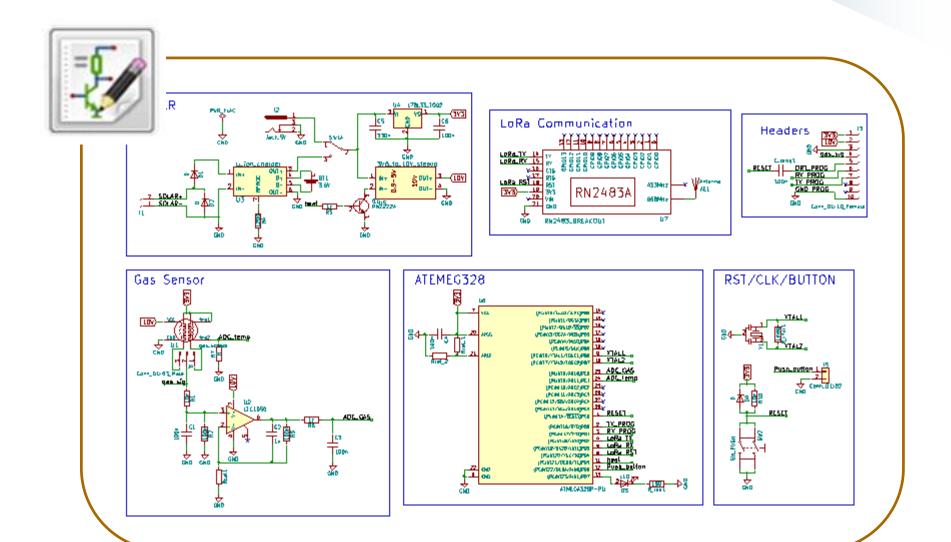
Conditionnement du signal

Autonomie énergétique Communication sans fil





Kicad: Schéma électronique global



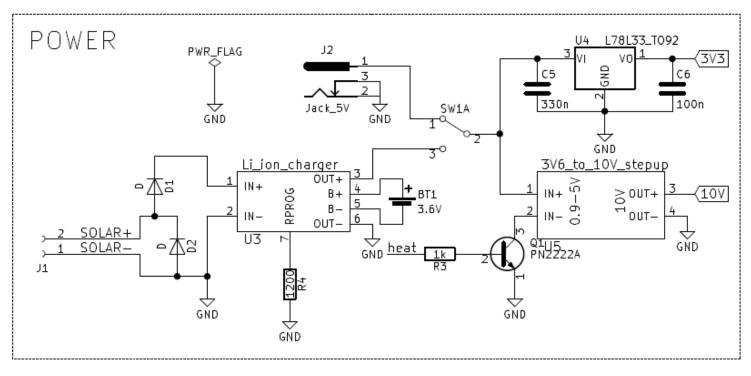








Alimentation



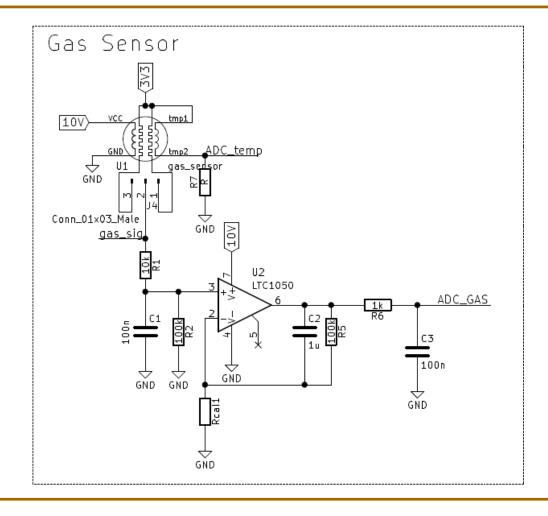








Capteur de GAZ



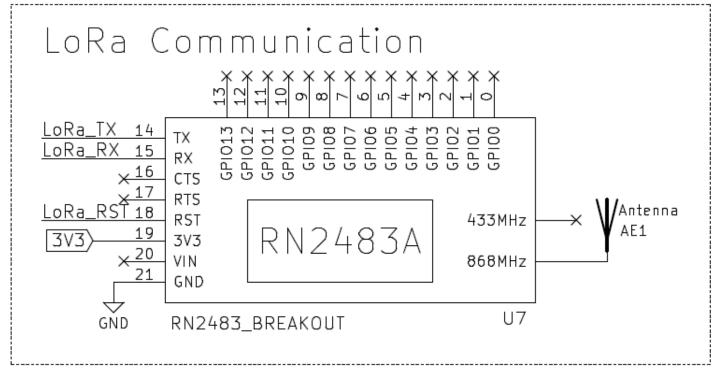








Module LoRa



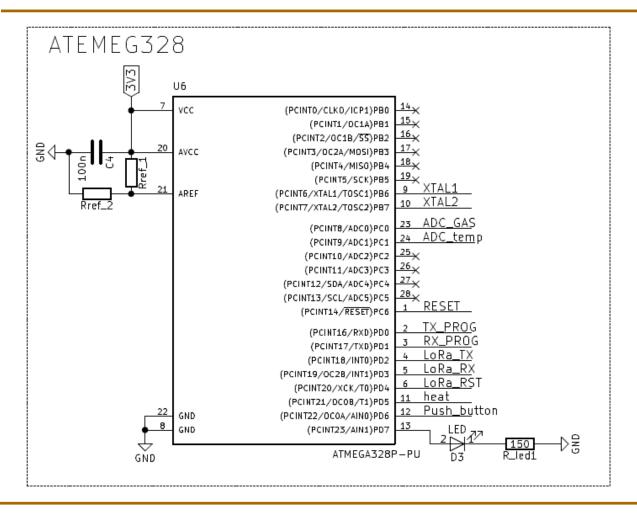








Microcontrolleur



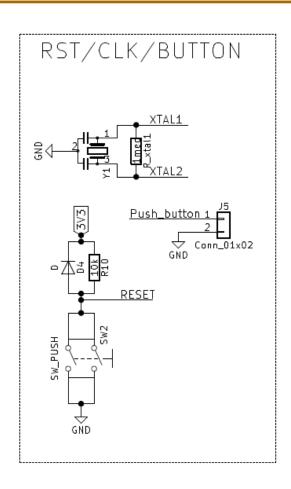


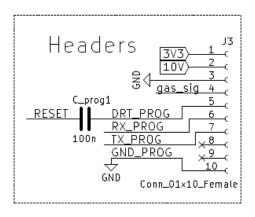






Connectiques et autres fonctions











Kicad: Nouveaux composants



```
-gas_sensor
           3V6_to_10V_stepup [ 3V6 to 10V DC/DC step up ]
                             [ Temperature and humidity module ]
                             [ Gas Sensor T05 ]
           gas sensor
           -Li ion charger
                             [ 1A Standalone Linear Li-lon Battery Charger with Thermal ]
                             [ Precision Zero-Drift Operational Amplifier with Internal Capacitors ]
           LTC1050
           RN2483 BREAKOUT
                            [ RN2483/2903 Breakout drazzy.com ]
           -SW_PUSH
          ...SW PUSH WIDE
                                                                                   3V6_to_10V_stepup
                                Li_ion_charger
               tmp1
                                                                                               ₹ 001T+
                                               B+
GND
               tmp2
                                             OUT-
               gas_sensor
                                                             SW_PUSH
                             SW
                                                                                          DHT11
            LTC1050
                                                                                          VCC
SIG
GND
                                                                          433MHz
                                                              RN2483A
                                                                          В68Мнг
                           SW_PUSH_WIDE
                                                        RN2483_BREAKOUT
```

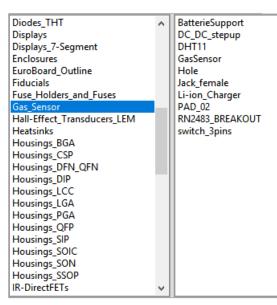


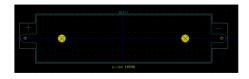




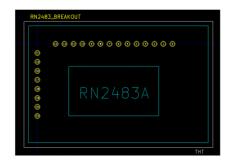
Kicad: Nouvelles empreintes



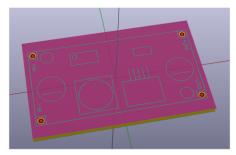


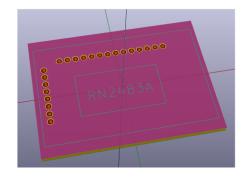










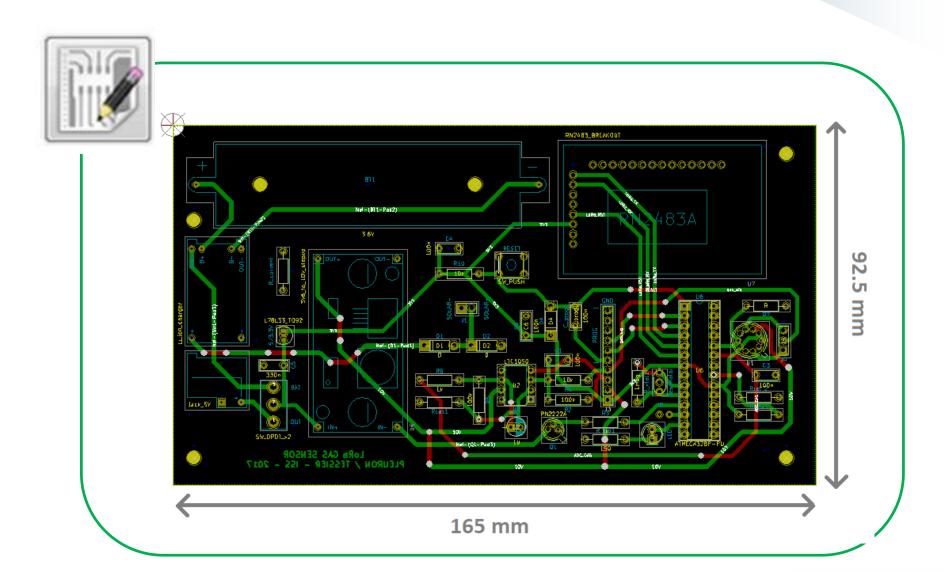








Kicad: PCB



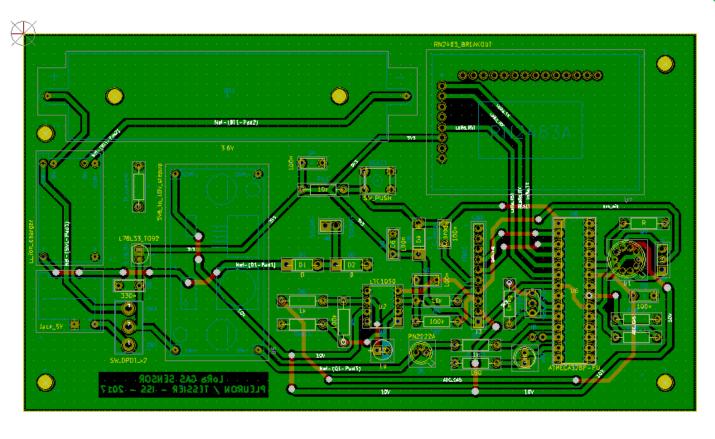






Kicad: PCB





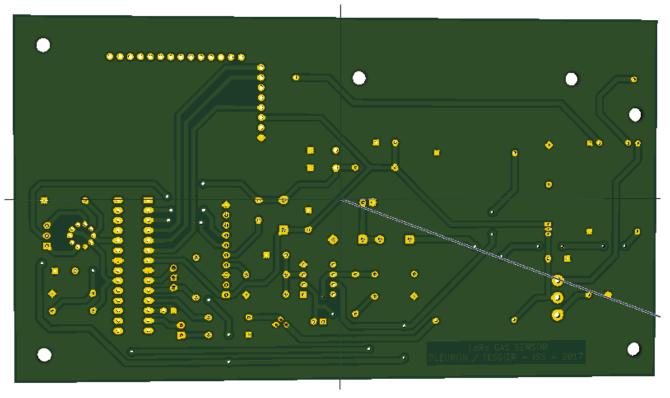






Kicad: PCB











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