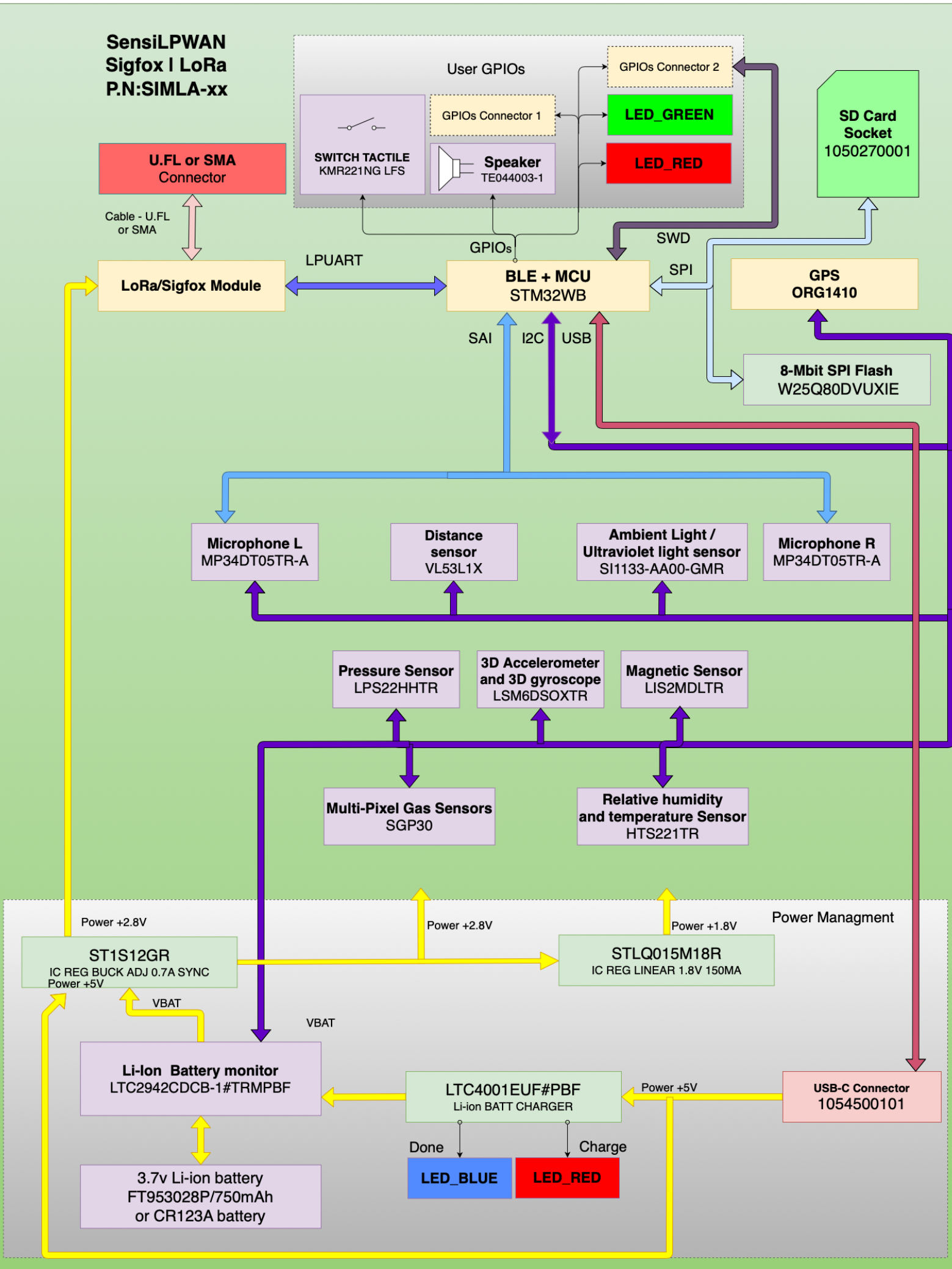


**SensiLPWAN  
Sigfox | LoRa  
P.N:SIMLA-xx**



U.FL or SMA Connector

Cable - U.FL or SMA

LoRa/Sigfox Module

LPUART

BLE + MCU STM32WB

SAI

I2C

USB

GPIOs

SWD

SPI

GPS ORG1410

8-Mbit SPI Flash W25Q80DVUXIE

SD Card Socket 1050270001

Microphone L MP34DT05TR-A

Distance sensor VL53L1X

Ambient Light / Ultraviolet light sensor SI1133-AA00-GMR

Microphone R MP34DT05TR-A

Pressure Sensor LPS22HHTR

3D Accelerometer and 3D gyroscope LSM6DSOXTR

Magnetic Sensor LIS2MDLTR

Multi-Pixel Gas Sensors SGP30

Relative humidity and temperature Sensor HTS221TR

ST1S12GR IC REG BUCK ADJ 0.7A SYNC Power +5V

STLQ015M18R IC REG LINEAR 1.8V 150MA

Power Management

Li-Ion Battery monitor LTC2942CDCB-1#TRMPBF

LTC4001EUF#PBF Li-ion BATT CHARGER

USB-C Connector 1054500101

3.7v Li-ion battery FT953028P/750mAh or CR123A battery

LED\_BLUE LED\_RED

Done

Charge

Power +2.8V

Power +2.8V

Power +1.8V

VBAT

VBAT

Power +5V