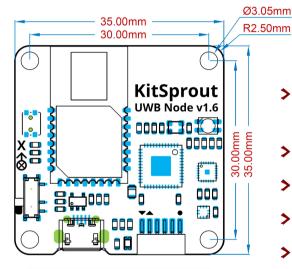
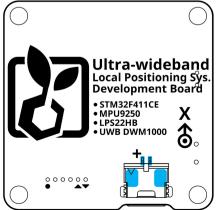


KitSprout UWBNode

2017.09.01 Ver. v1.6D Lib. v3.2

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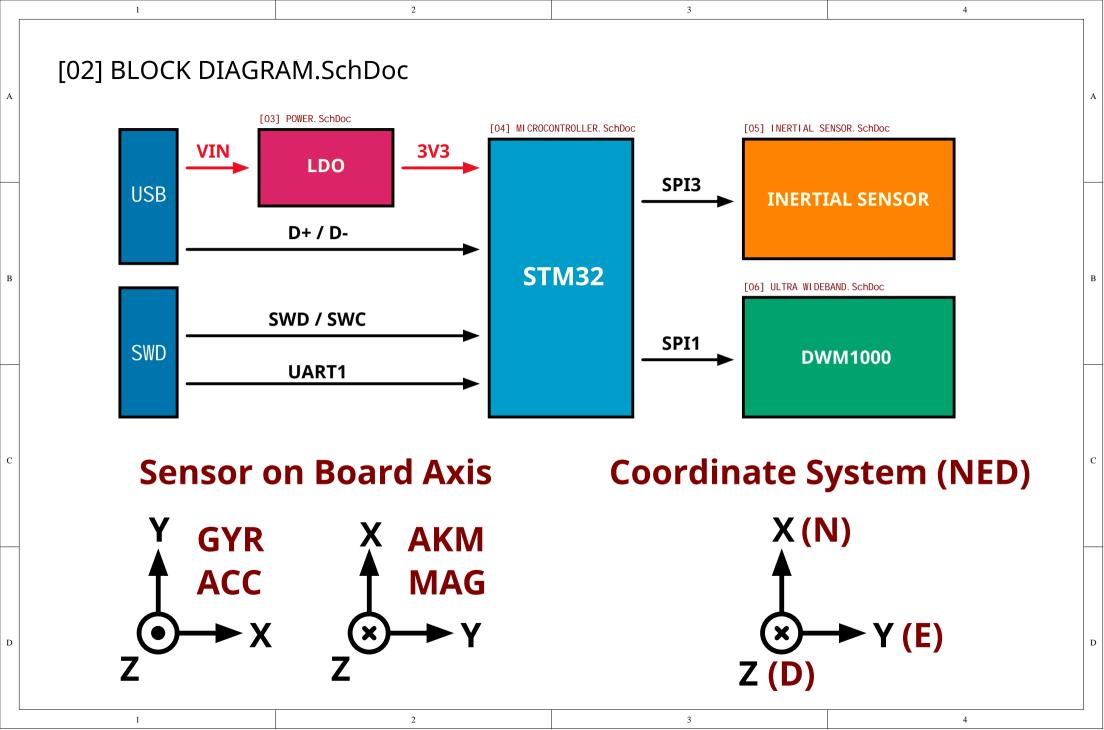
- > STM32F411CE CORTEX-M4F 100MHz
- > RGB LED (LOW ON)
- > KEY (LOW ON)
- > MI CRO USB
- > SWD (WITH UART)
- > MPU9250 (SPI)
 3-AXIS GYR/ACC/MAG
- > LPS22HB (SPI)
 BAROMETER/THERMOMETER
- > DWM1000 (SPI)
 ULTRA-WIDEBAND MODULE

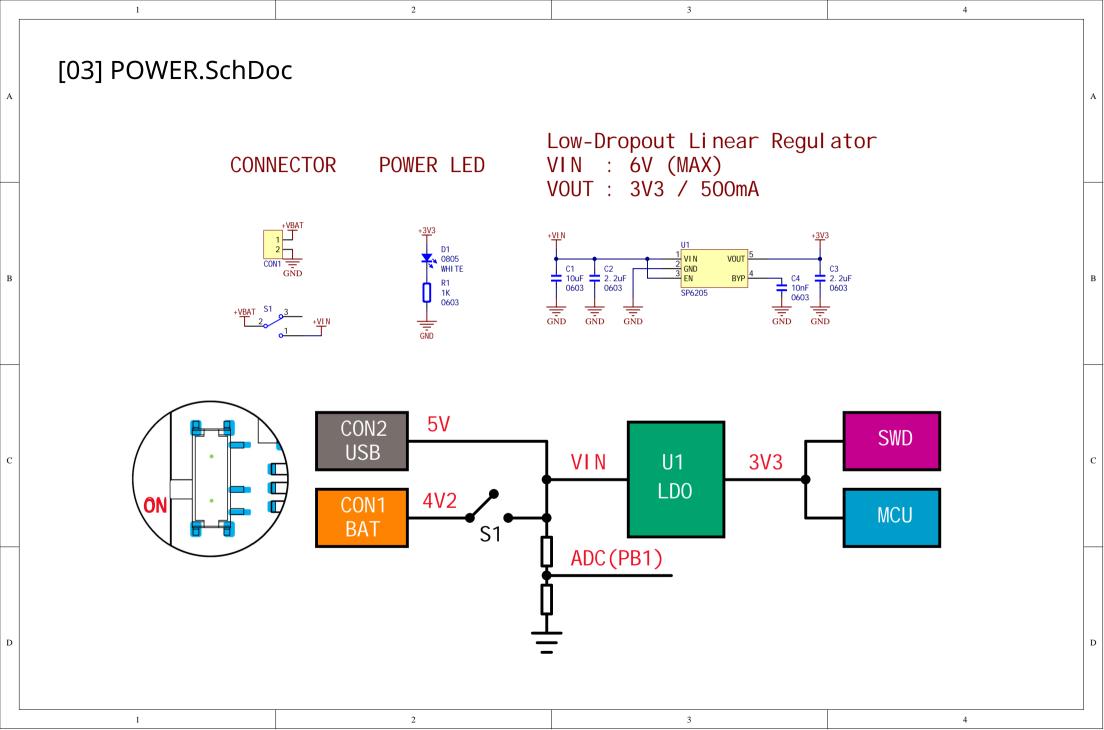
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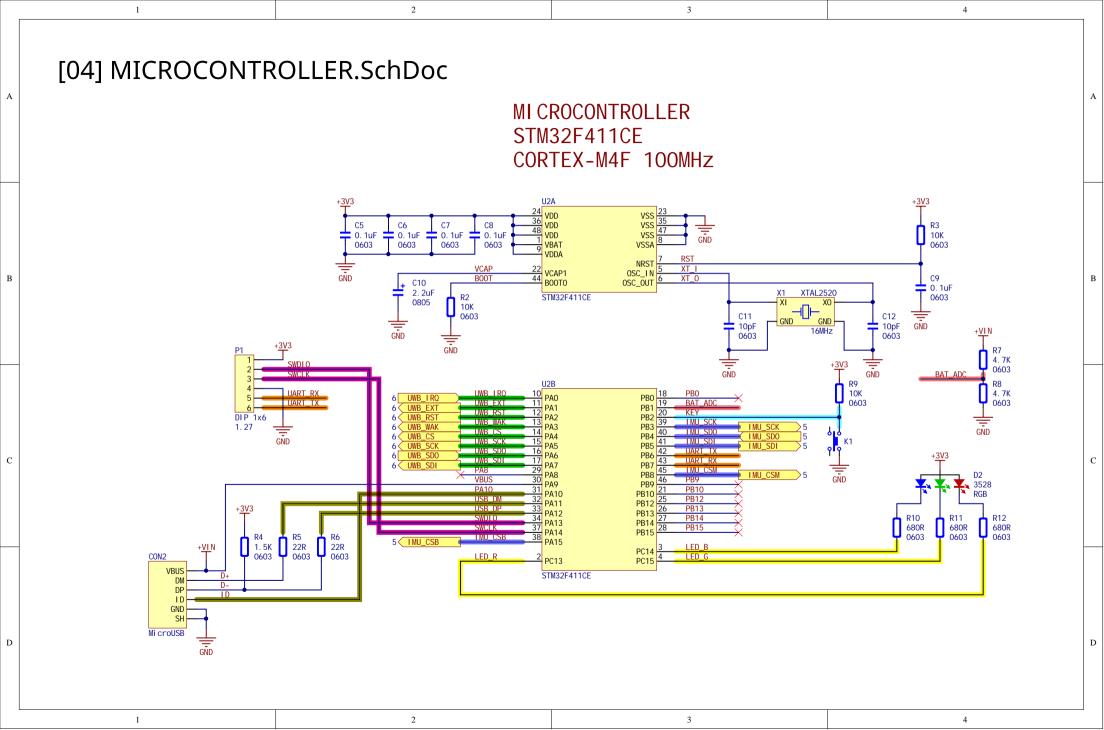
2

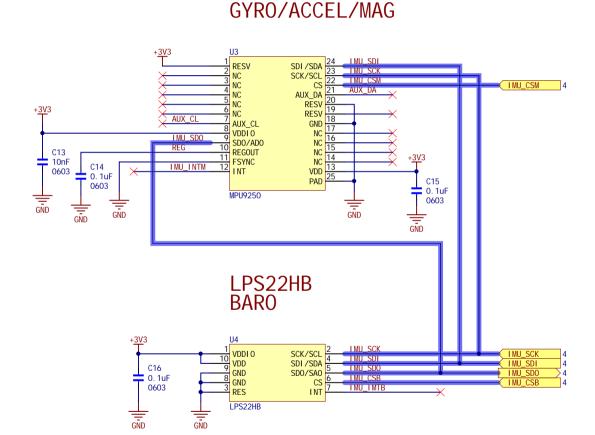
3

4









MPU9250

- Gyroscope (MPU6500) ±250/500/1000/2000 dps
- Accelerometer (MPU6500)±2/4/8/16 g

Device ID =
$$0x71$$

I2C Address = $0xD0$ (AD0 = 0)
= $0xD2$ (AD0 = 1)

Magnetometer (AK8963)±4800 uT

Device ID = 0x48I2C Address = 0x0C

· Barometer (LPS22HB) 260-1260 hPa

3

Device ID =
$$0xB1$$

I2C Address = $0xB8$ (SAO = 0)
= $0xBA$ (SAO = 1)

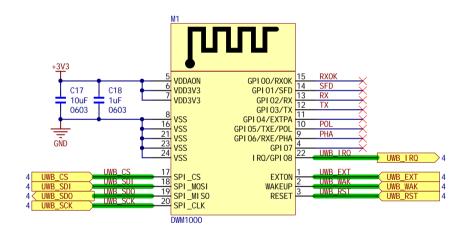
4

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2 3 4

[06] ULTRA WIDEBAND.SchDoc

DWM1000 ULTRA-WI DEBAND



POL	PHA	SPI MODI	E
0	0	0	defaul t
0	1	1	•
1	0	2	
1	1	3	

MODE 0
Data is sampled on the rising (first) edge of the clock and launched on the falling

D

1 2 3 4