KitSprout
UWBNode

2017/6/24
Ver. v1.6A
Lib. v3.0

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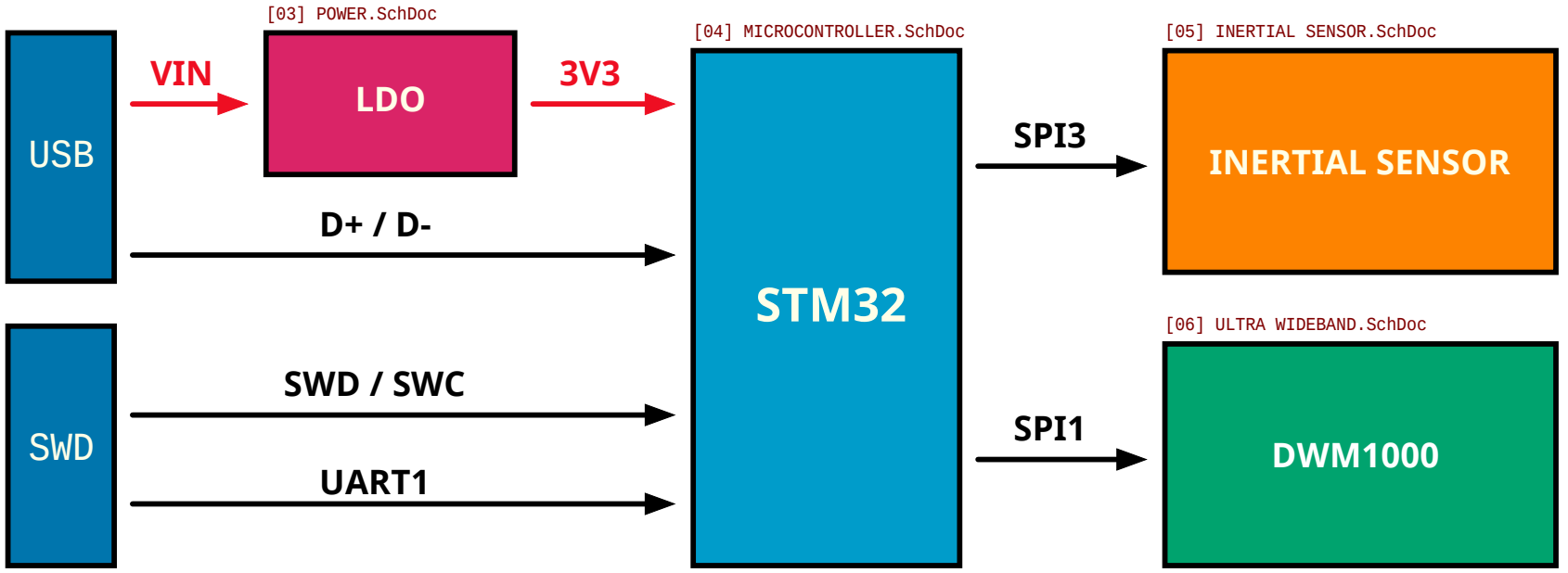
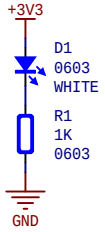
[02] BLOCK DIAGRAM.SchDoc



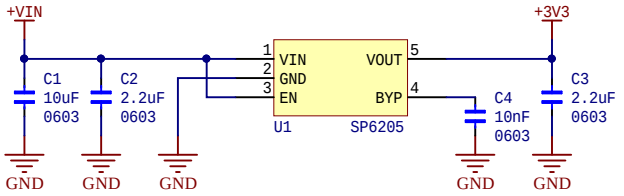
[03] POWER.SchDoc

POWER LED

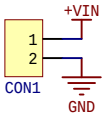


Low-Dropout Linear Regulator

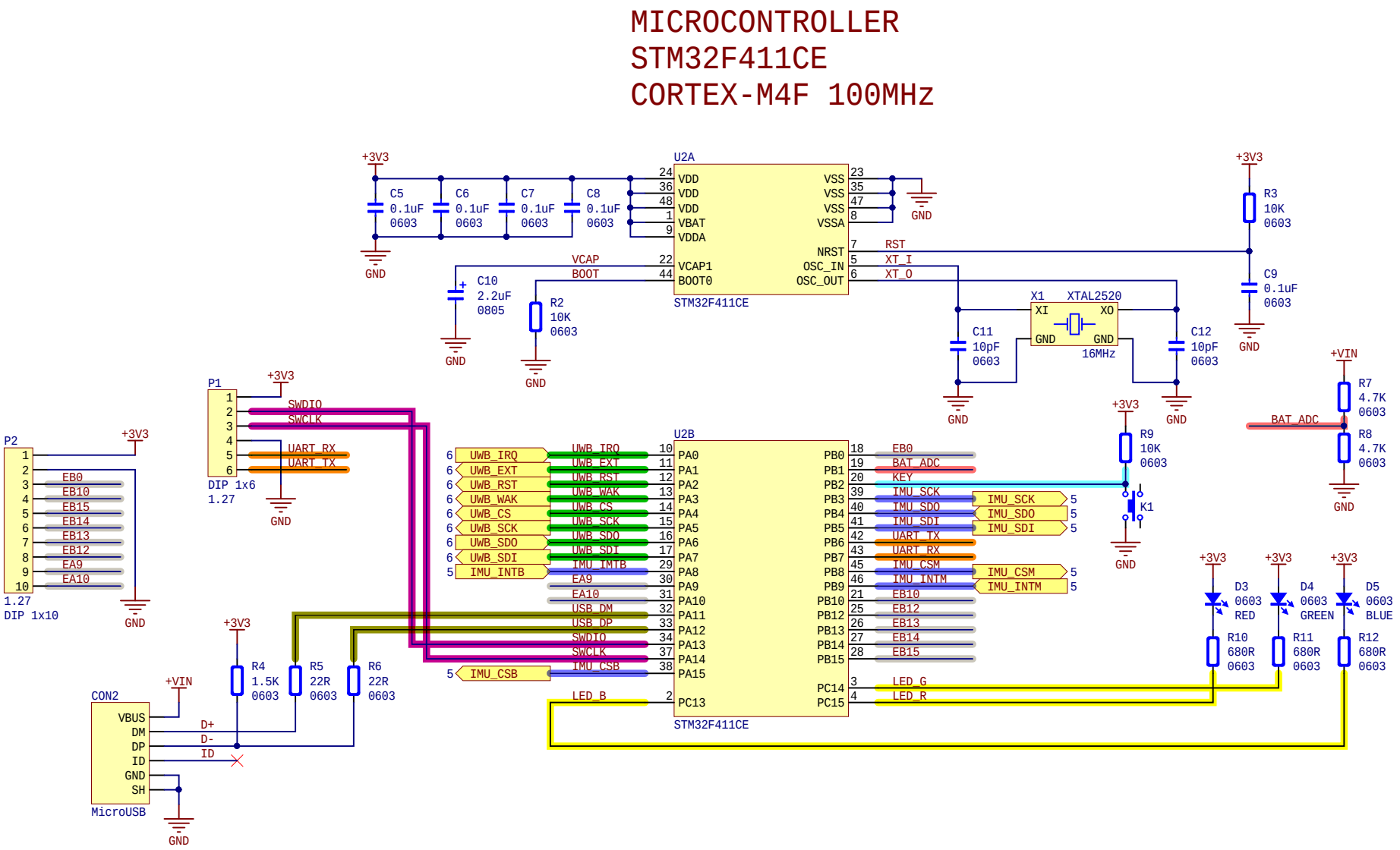
VIN : 6V (MAX)
VOUT : 3V3 / 500mA



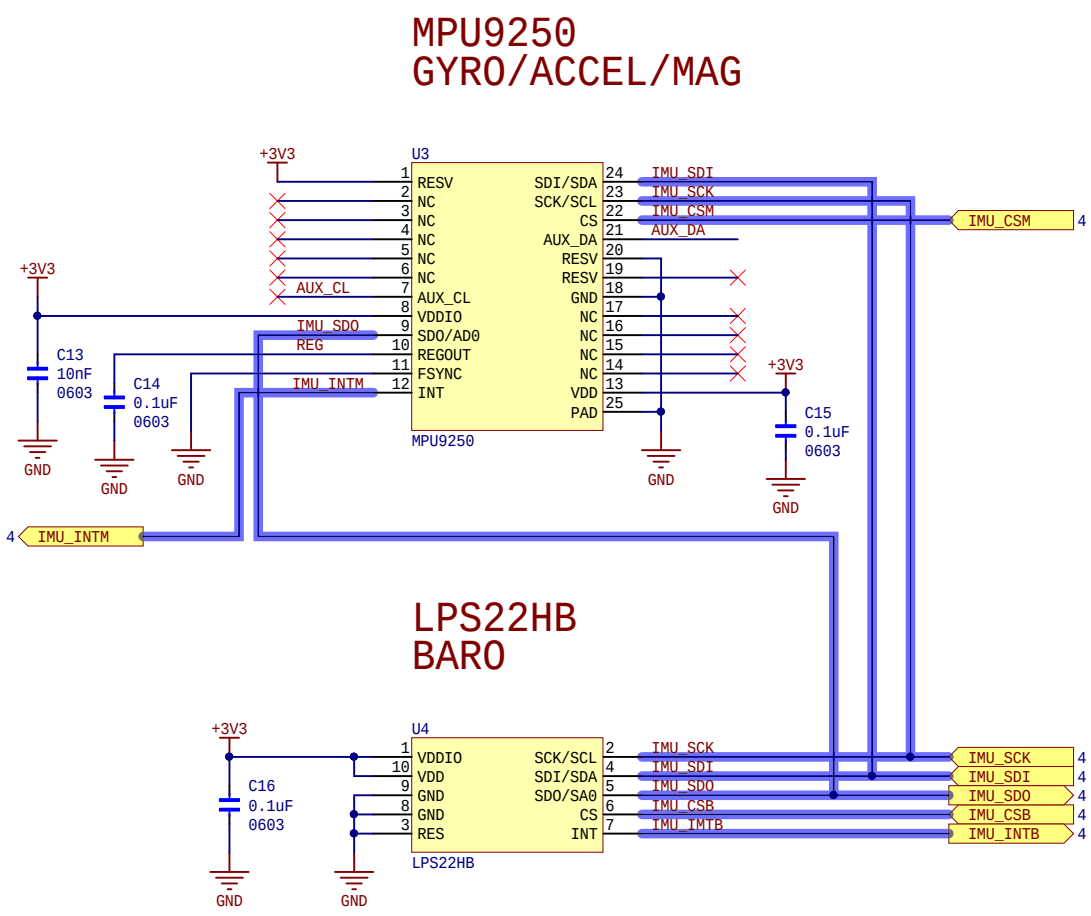
Battery



[04] MICROCONTROLLER.SchDoc



[05] INERTIAL SENSOR.SchDoc



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

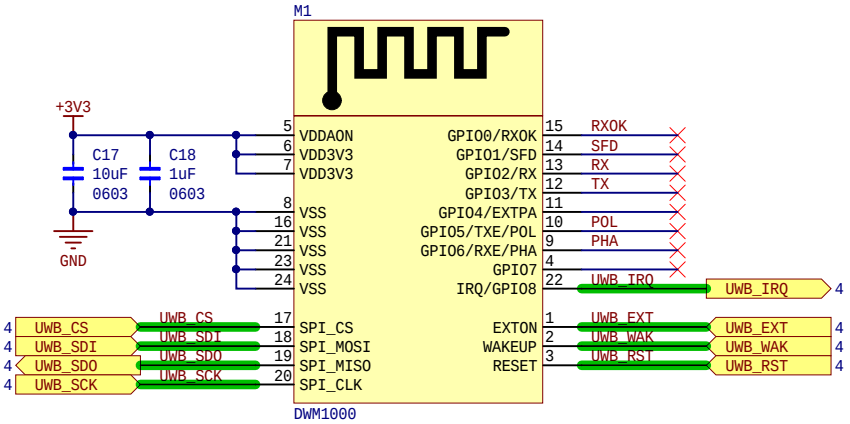
  Device ID = 0x71
  I2C Address = 0xD0 (AD0 = 0)
  = 0xD2 (AD0 = 1)
- Magnetometer
  ±4800 uT

  Device ID = 0x71
  I2C Address = 0x0C
- Barometer
  260-1260 hPa

  Device ID = 0xB1
  I2C Address = 0xB8 (SA0 = 0)
  = 0xBA (SA0 = 1)

[06] ULTRA WIDEBAND.SchDoc

ULTRA-WIDEBAND
DWM1000



POL	PHA	SPI MODE	
0	0	0	default
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