

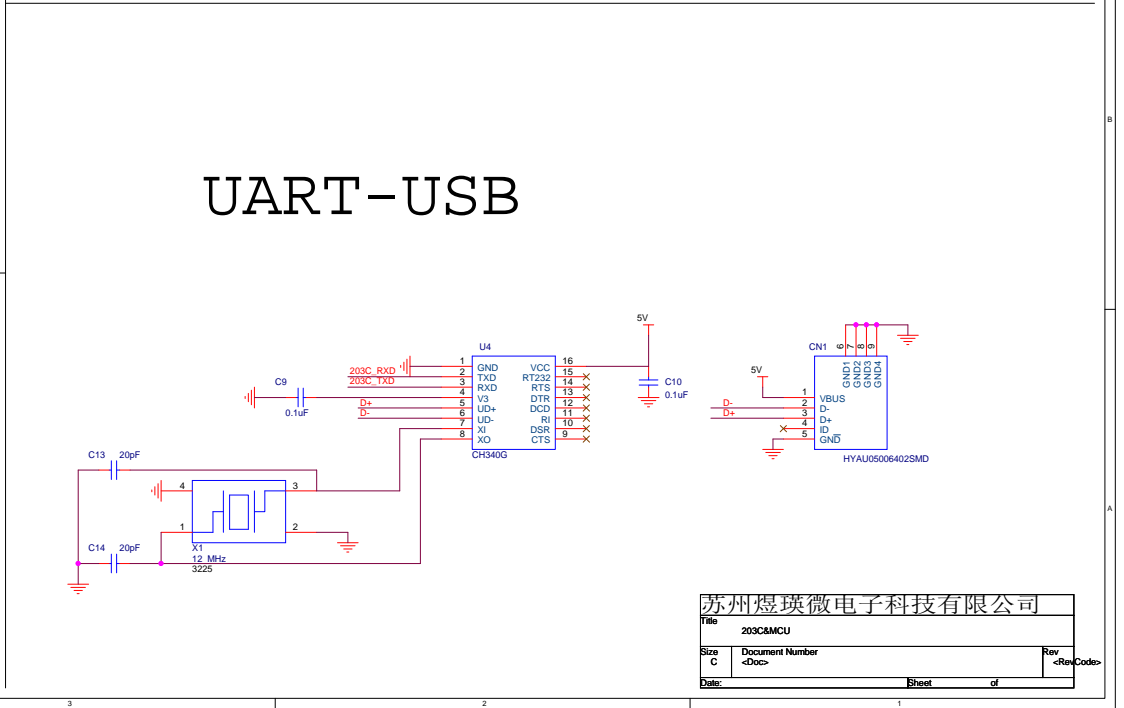
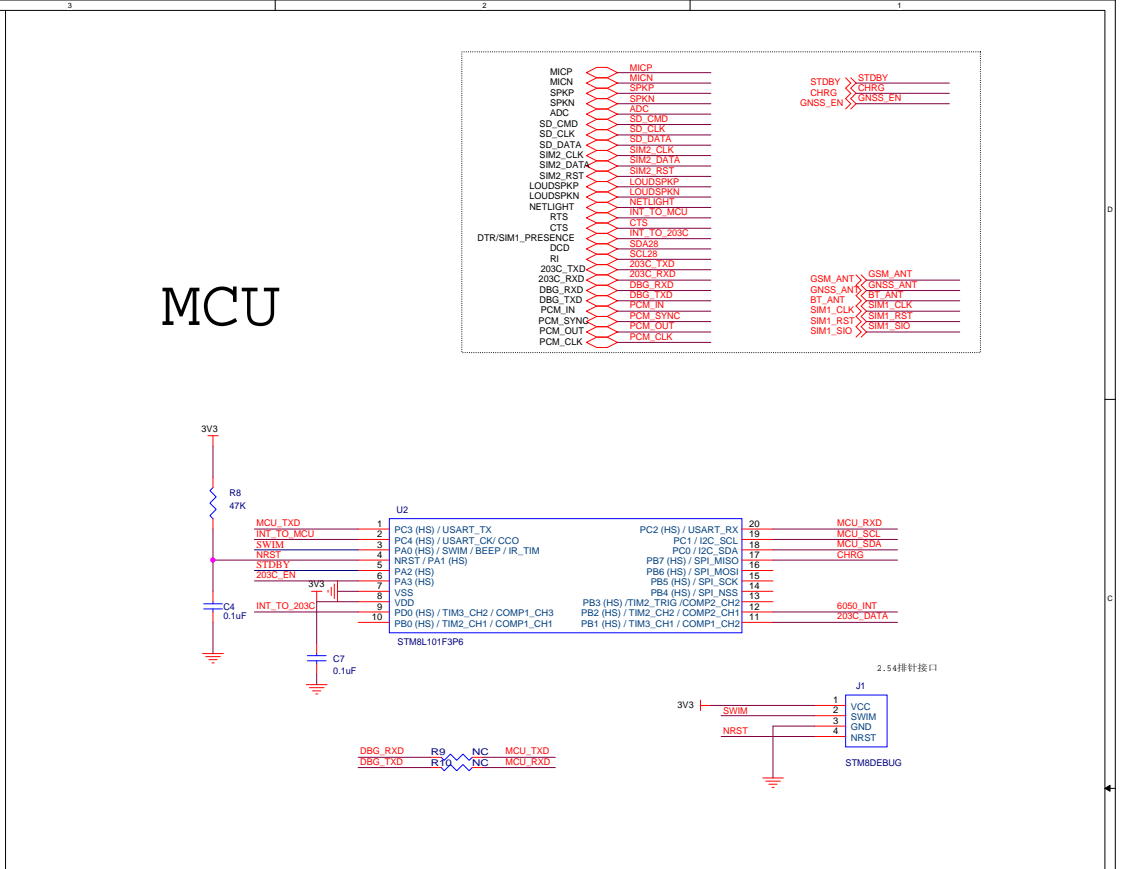
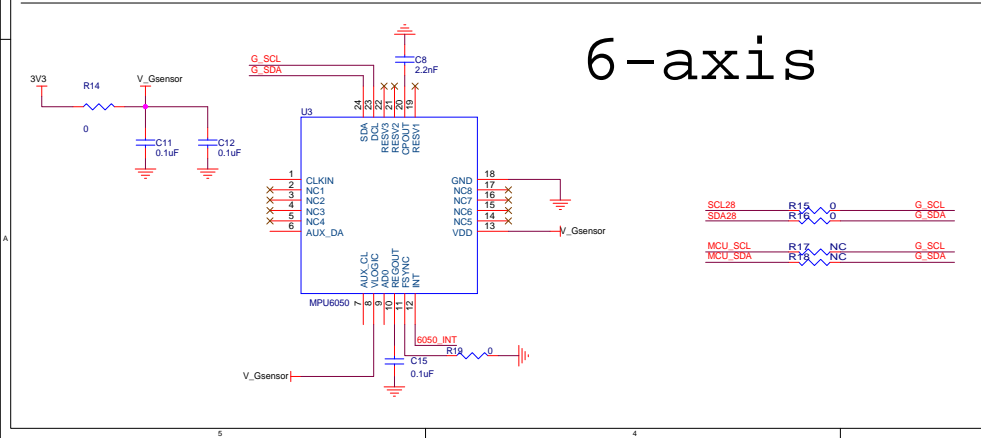
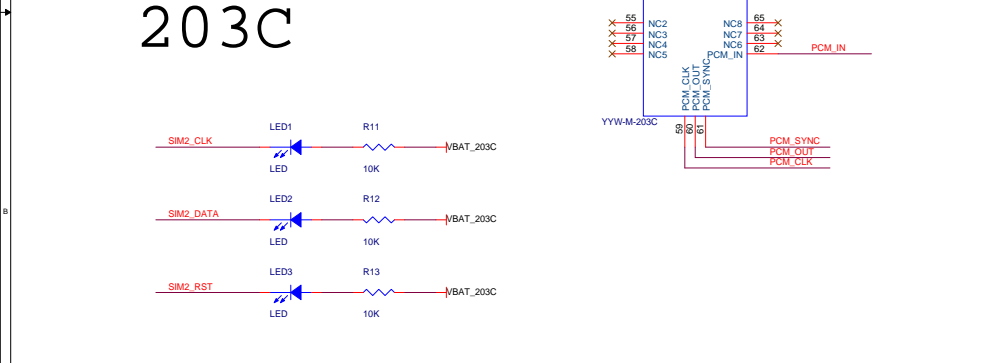
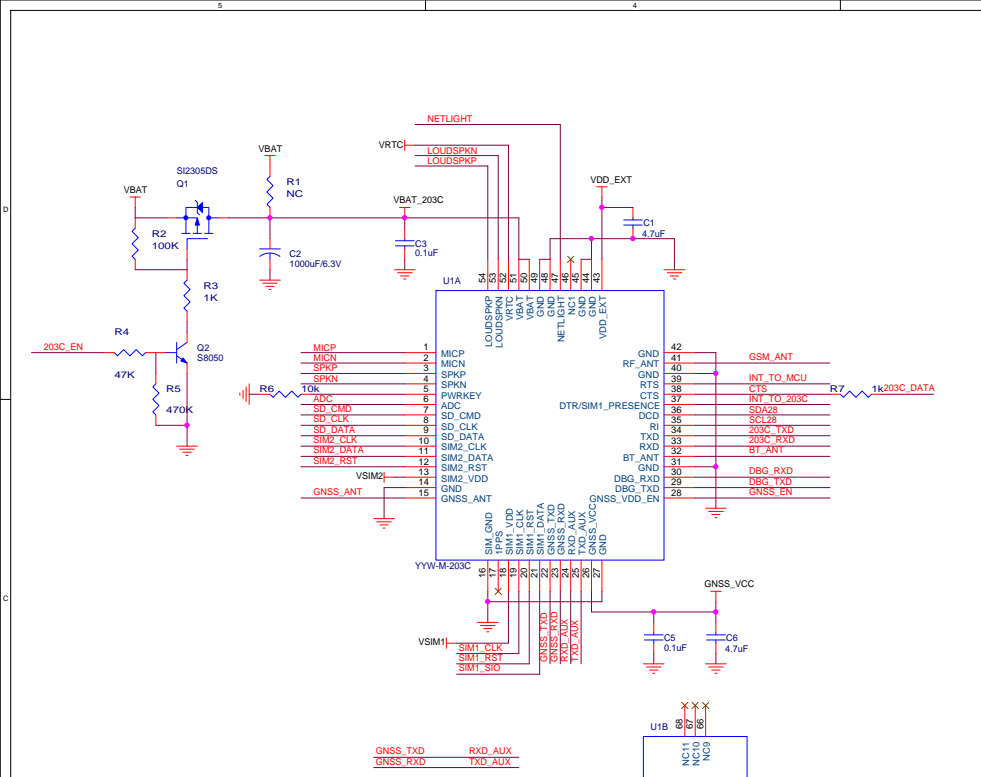
V1.0(20170711)  
初始版本

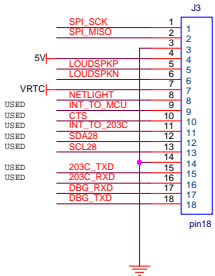
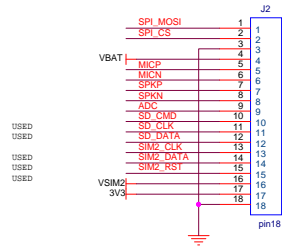
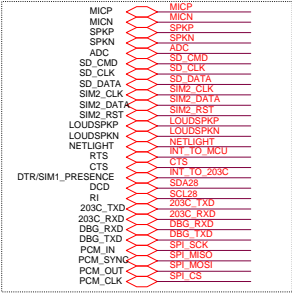
- V2.0(20170920)
- 1.pwrkey下拉，加电源开关
  - 2.支持电池，加充电电路，去掉DCDC
  - 3.USB串口换方案
  - 4.LED电路调整
  - 5.兼容贴片SIM卡
  - 6.加MCU，MCU可控制203C供电
  - 7.MCU留烧写口
  - 8.加一个LDO给MCU供电，MCU加开关
  - 9.GPS天线做了有源兼容，用有源需换料
  - 10.加G-SENSOR

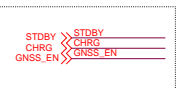
V2.1(20170929)  
1.2303加上拉

- V3.0(20180110)
- 1、三轴换成六轴、六轴供电加0欧电阻
  - 2、串口芯片换掉
  - 3、加SPI接口排针
  - 4、加DCDC电路，USB可以作为充电口，也可直接供电，用拨码开关选择
  - 5、MCU换掉
  - 6、蓝牙换成贴片天线
  - 7、GSM加SMA接口，可改焊电阻选择
  - 8、调整电解电容位置
  - 9、板子大小和布局调整

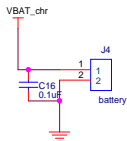
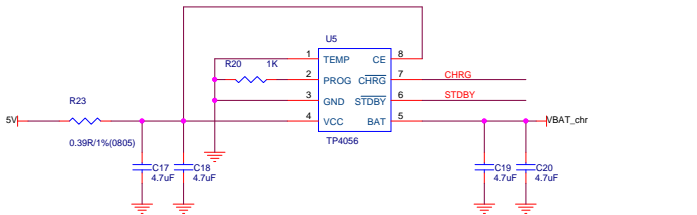
- V3.0问题
- 1、MCU的I2C未上拉
  - 2、I2C同时接到203C
  - 3、六轴AD0
  - 4、有源天线10R，47nH



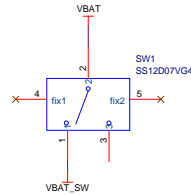




# CHARGER



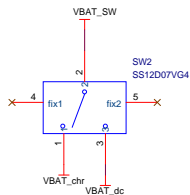
ON



OFF

# POWER ON/OFF

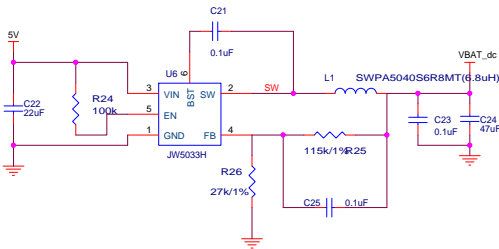
battery



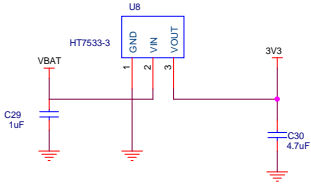
5V DC

# POWER SELECT

# 5V TO 4.2V

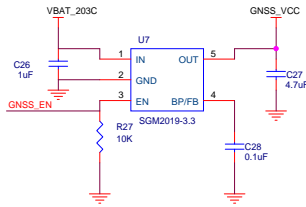


# VBAT-3.3V



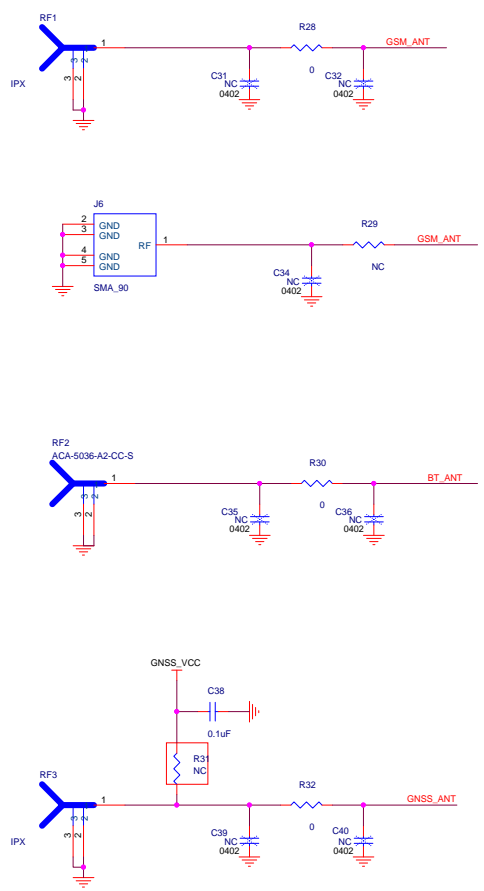
静态电流1~1.5uA  
最大负载100mA

# VBAT-GNSS



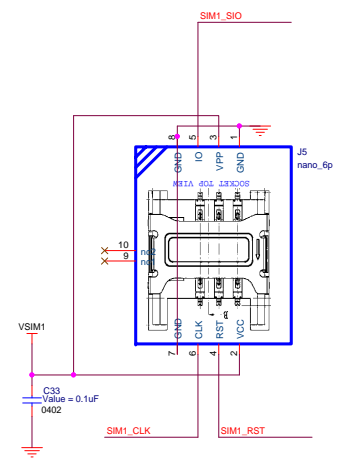
- GSM\_ANT >> GSM\_ANT
- GNSS\_ANT >> GNSS\_ANT
- BT\_ANT >> BT\_ANT
- SIM1\_CLK >> SIM1\_CLK
- SIM1\_RST >> SIM1\_RST
- SIM1\_SIO >> SIM1\_SIO

# ANTS



passive antenna: R31=NC  
active antenna: R31=47nH

# NANO SIM



# SMT SIM

