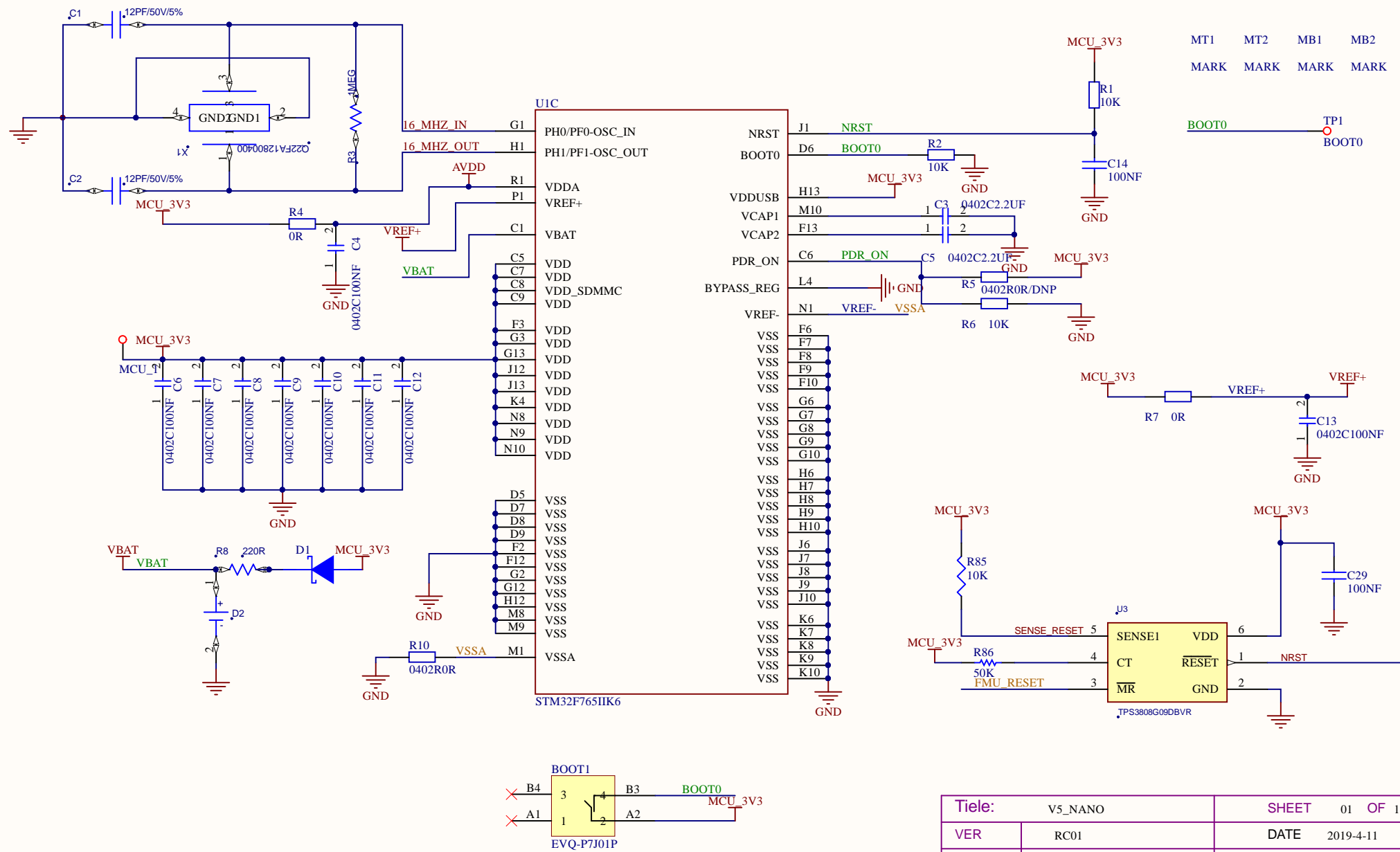
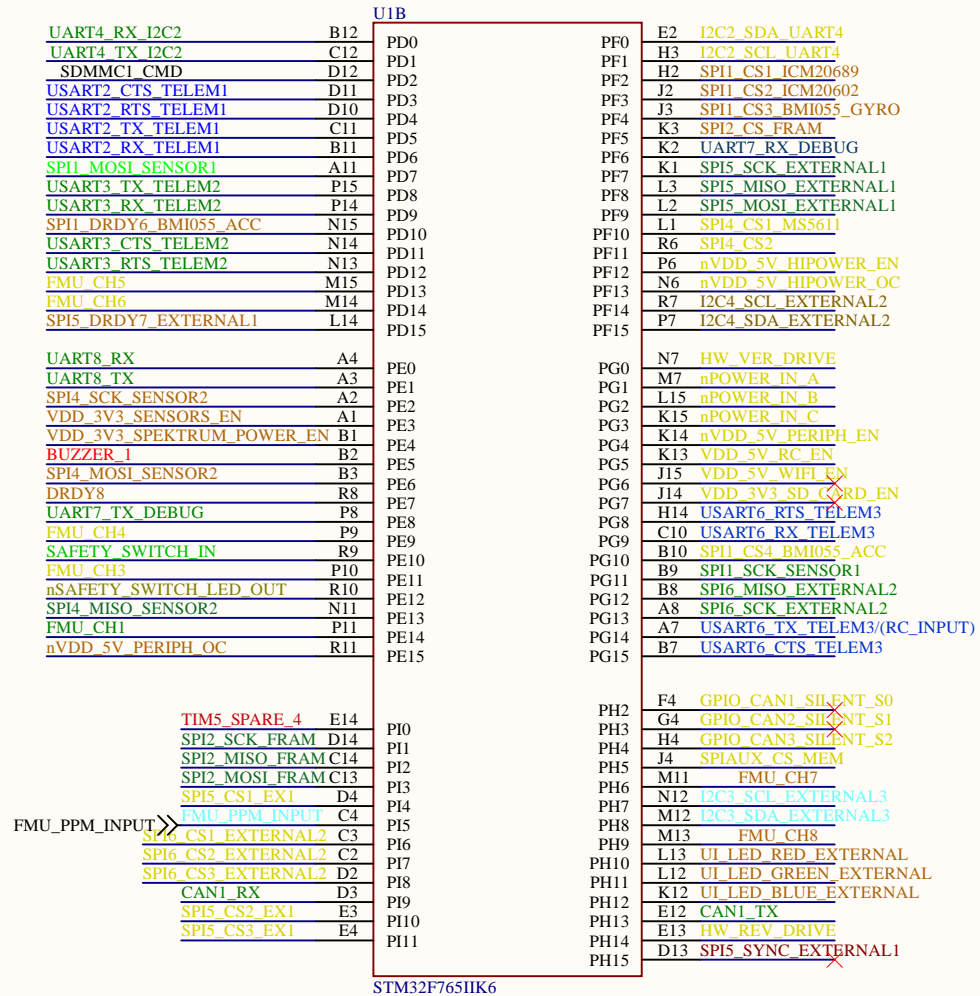


System of STM32F765IHK6

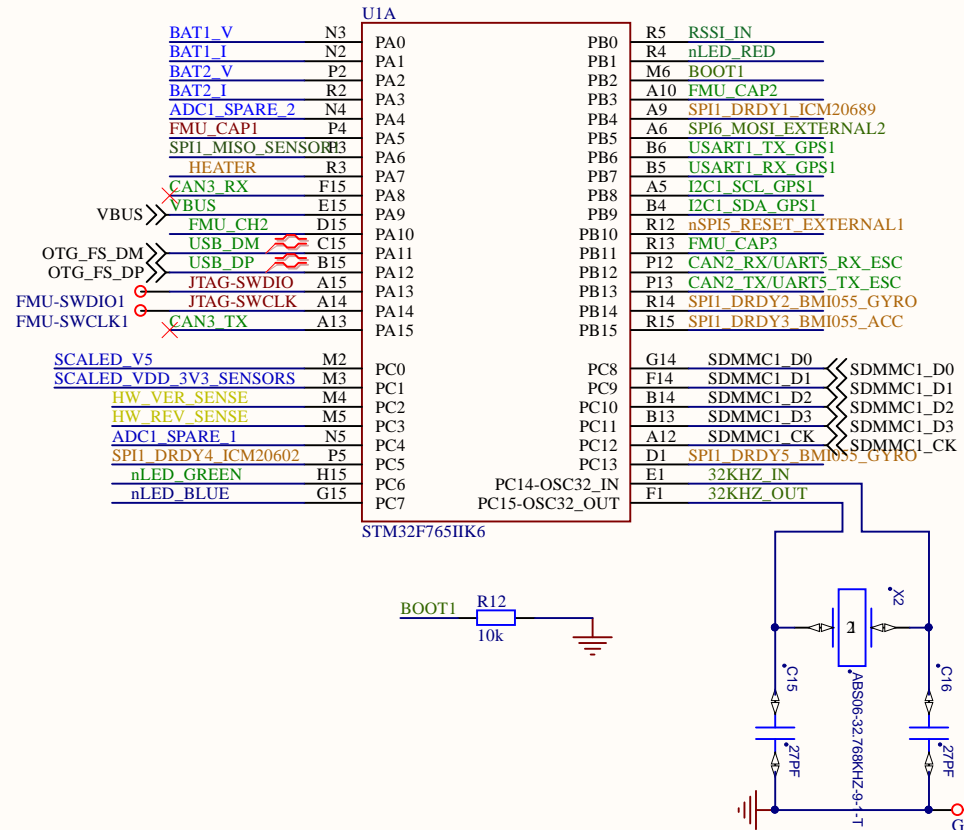



Tiele: V5_NANO		SHEET 01 OF 16	
VER	RC01	DATE	2019-4-11
Designer	bin		
Reviewed			

I/O of STM32F765IHK6

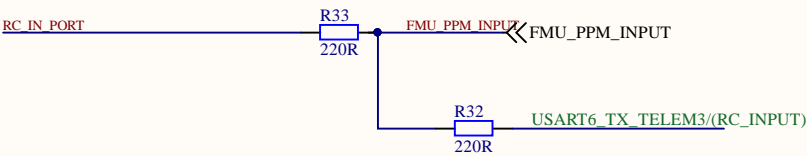
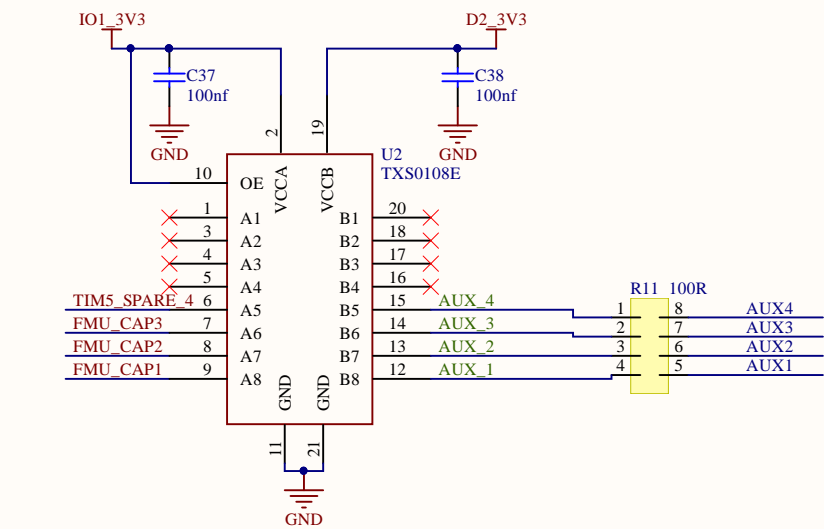


Brick 1 Is Chosen
Brick 2 Is Chosen
USB Is Chosen

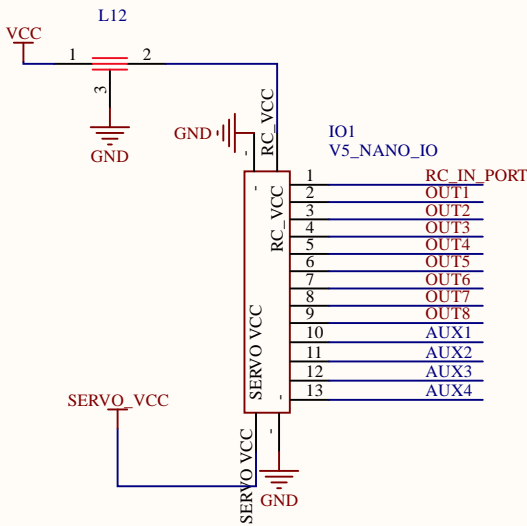
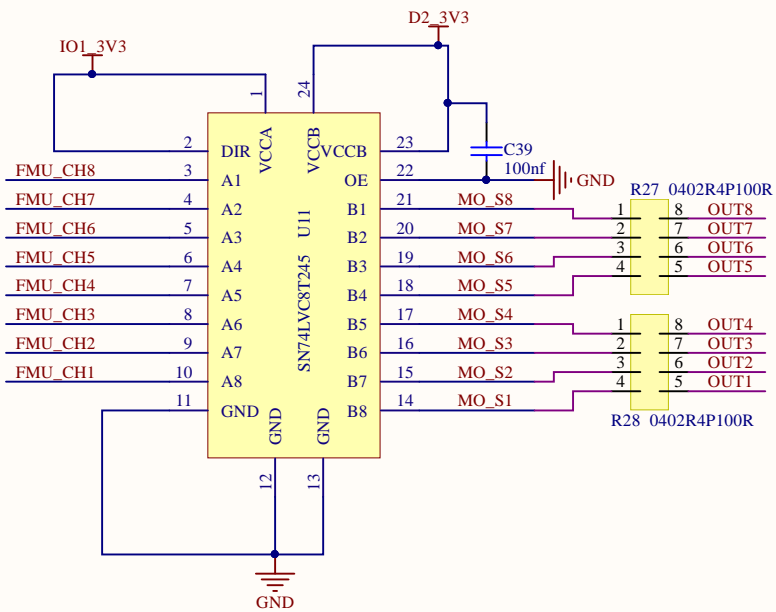


Tiele: V5_NANO		SHEET 02 OF 16	
VER	RC01	DATE 2019-4-11	
Designer	bin		
Reviewed			

PWM I/O



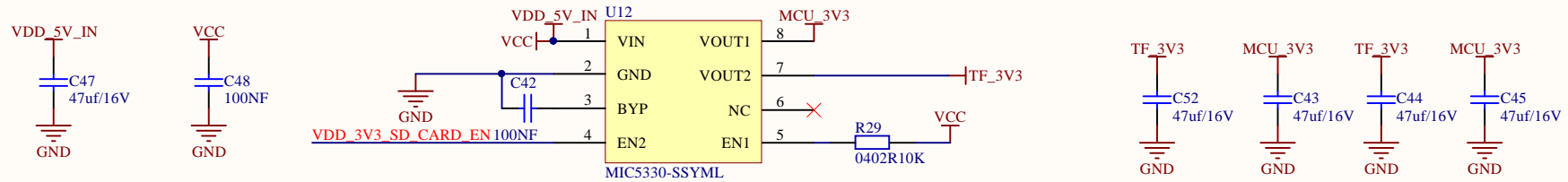
RC_INPUT is for any of PPM/SBUS/SPEKTRUM



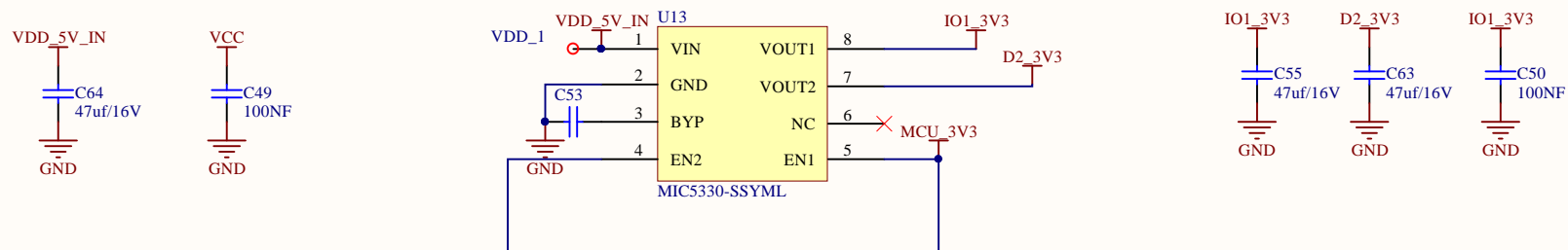
Tiele: V5_NANO		SHEET 04 OF 16
VER	RC01	DATE: 2019-4-11
Designer	bin	
Reviewed		

LDO POWER

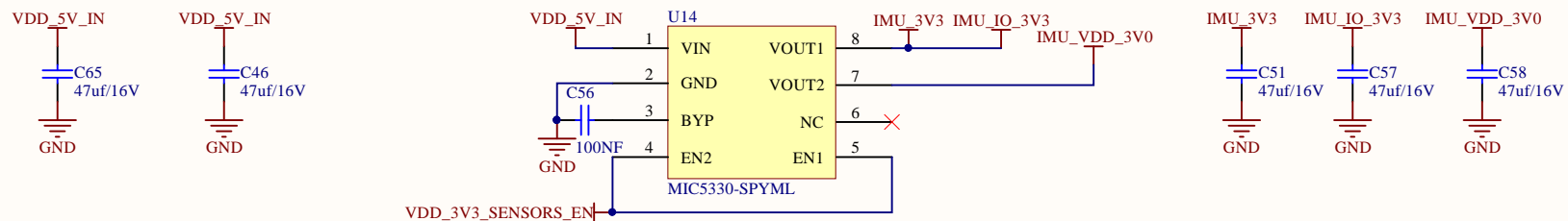
5V-->3.3V+3.3V



5V-->3.3V+3.3V

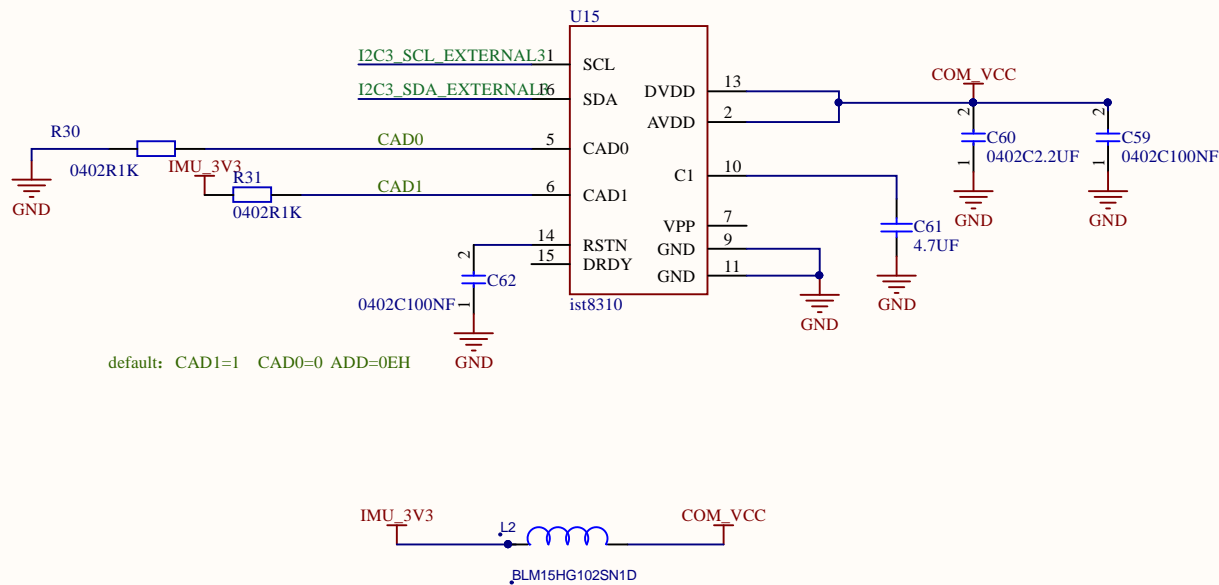


5V-->3.3V+3.0V



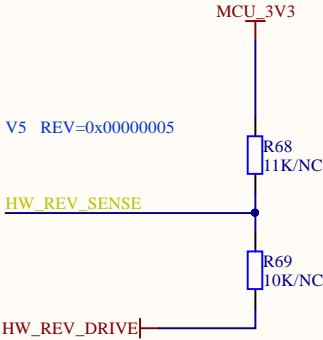
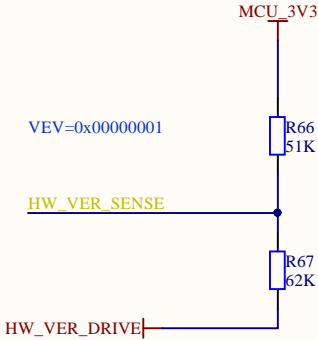
Tiele:	V5_NANO	SHEET	05 OF 16
VER	RC01	DATE:	2019-4-11
Designer	bin	CUAV	
Reviewed			

Onboard Compass



Tiele: V5_NANO		SHEET 06 OF 16
VER	RC01	DATE: 2019-4-11
Designer	bin	
Reviewed		

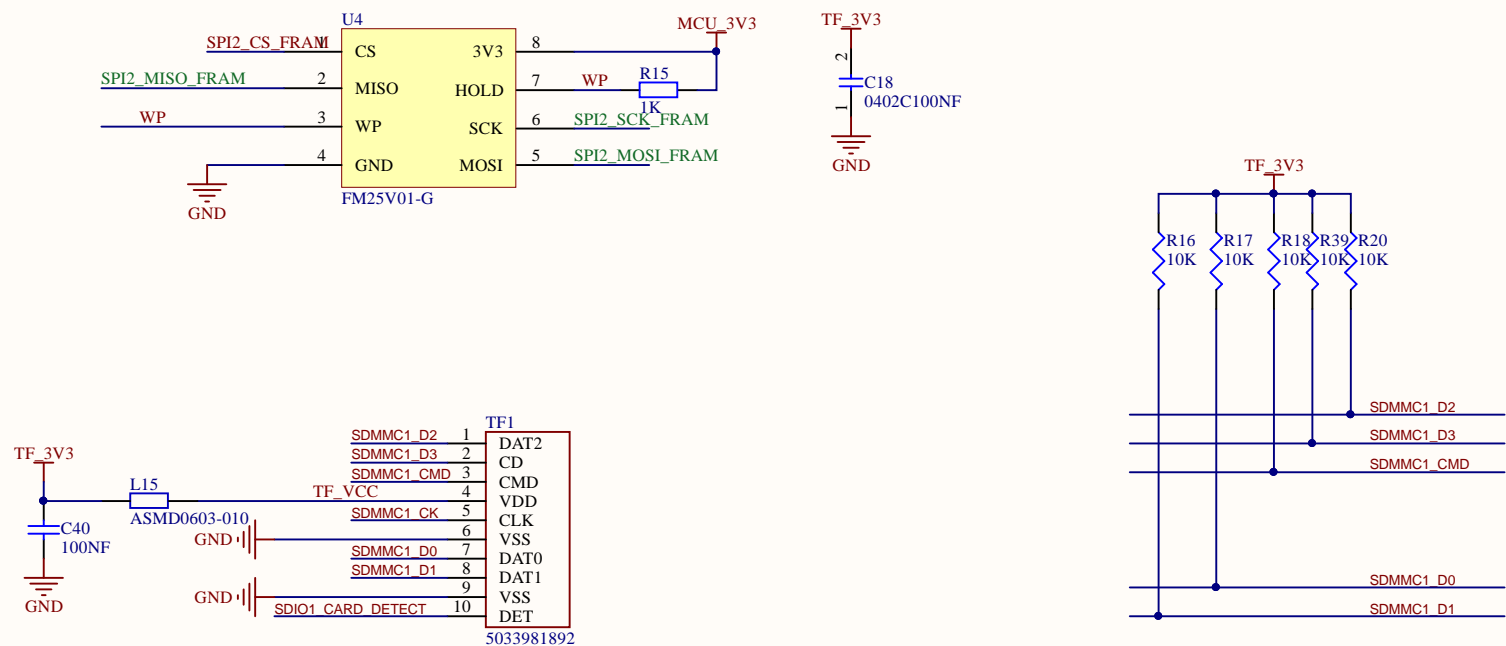
HW_REV+VER



Currently ID has not been confirmed 2019-4-10

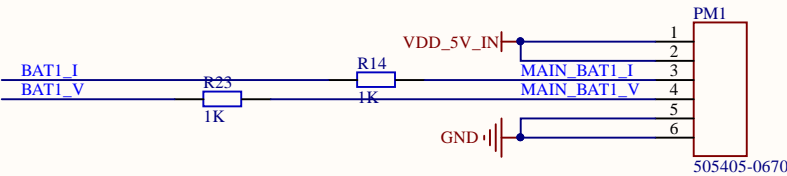
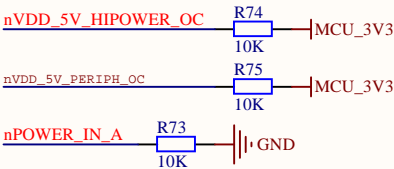
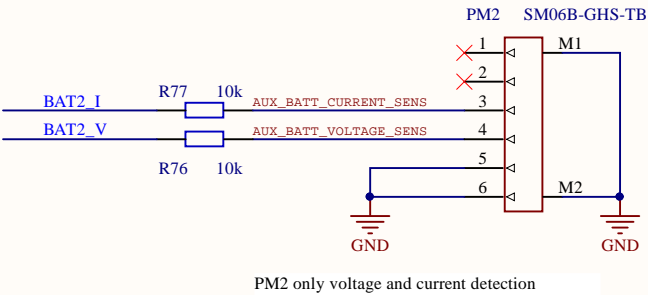
Tiele: V5_NANO		SHEET 7 OF 16
VER	RC01	DATE: 2019-4-11
Designer	bin	
Reviewed		

TF CARD + MTD



Tiele: V5_NANO		SHEET 8 OF 16
VER	RC01	DATE: 2019-4-11
Designer	bin	
Reviewed		

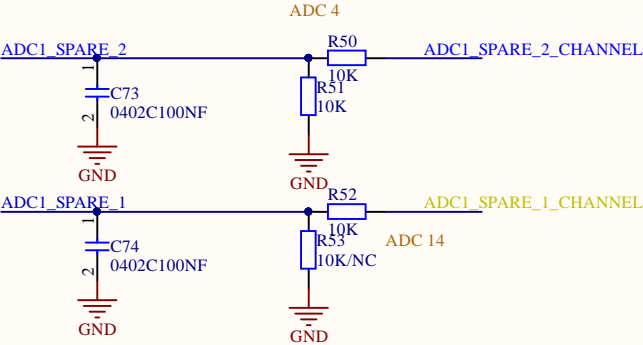
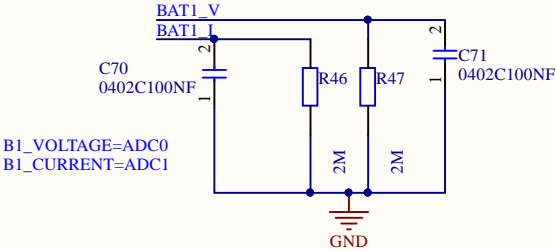
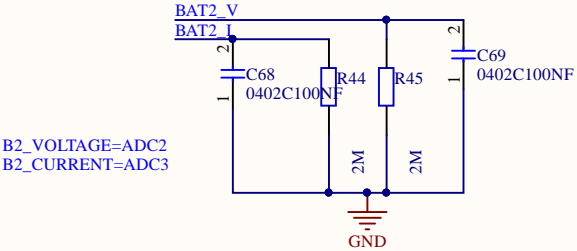
Power IN



PM1 voltage input range 4.8V~5.4V

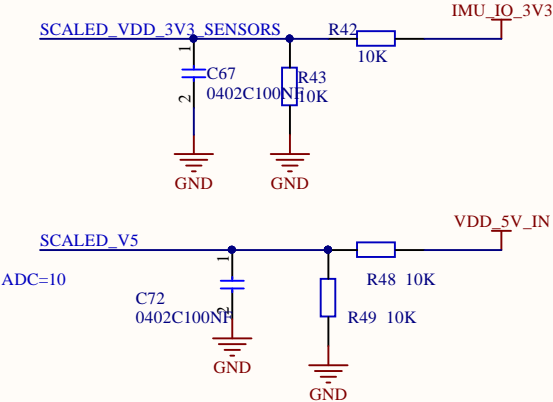
Tiele: V5_NANO		SHEET 09 OF 16
VER	RC01	DATE: 2019-4-11
Designer	bin	
Reviewed		

ADC RAIL




外部ad传感器检测ADC

IMU POWER SENSORS



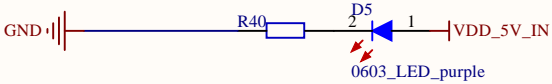
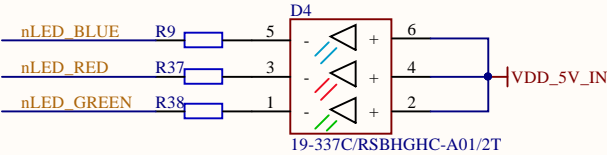
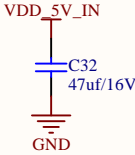
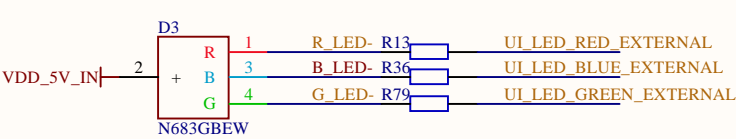
主板电压检测

Tiele: V5_NANO		SHEET 11 OF 16
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Designer	bin	
Reviewed		

A

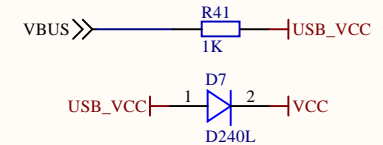
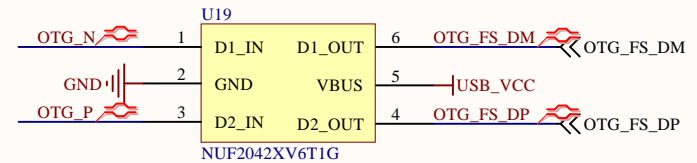
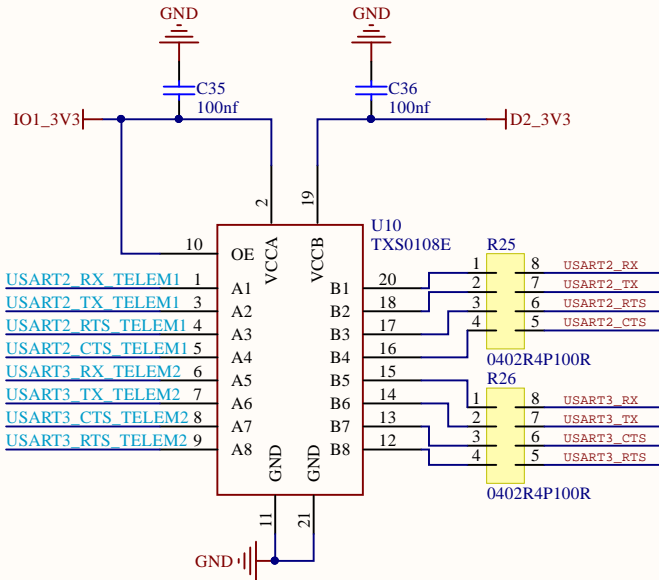
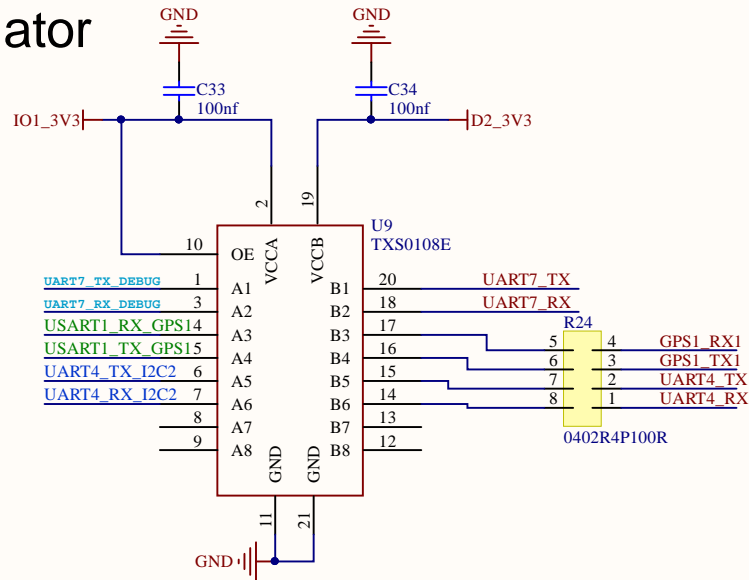
CUAV

Status LED



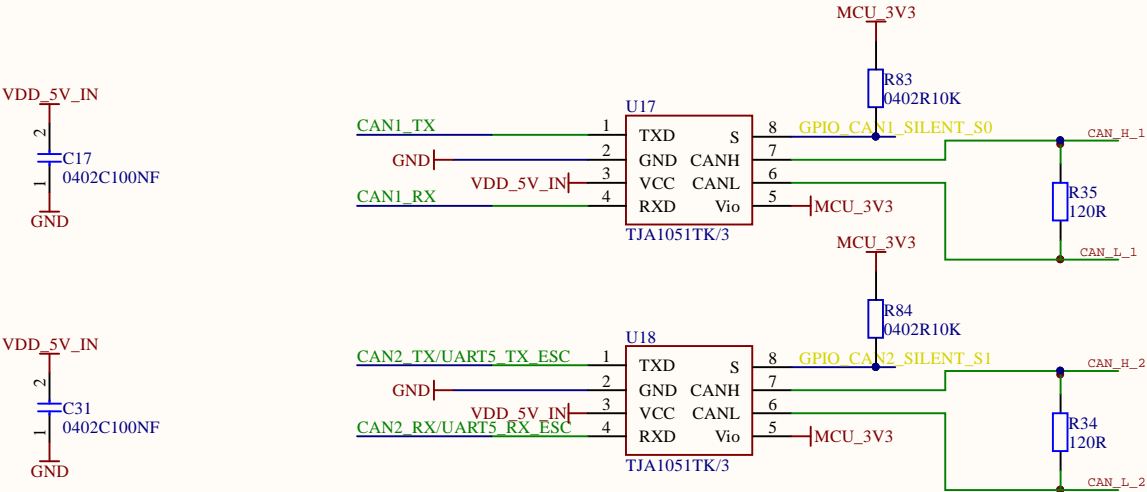
Tiele: V5_NANO		SHEET 13 OF 16
VER	RC01	DATE: 2019-4-11
Designer	bin	
Reviewed		

Data_Translator



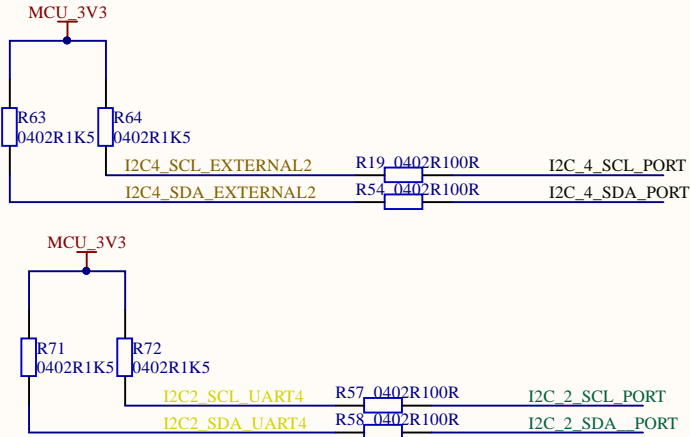
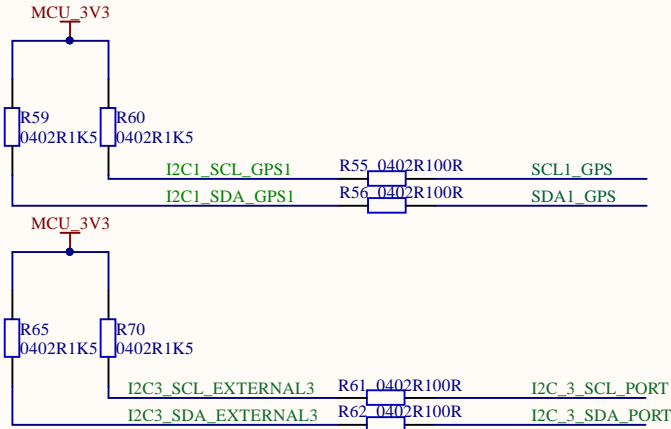
Tiele: V5_NANO		SHEET 14 OF 16	
VER	RC01	DATE:	2019-4-11
Designer	bin		
Reviewed			

CAN BUS



Tiele: V5_NANO		SHEET 15 OF 16	
VER	RC01	DATE: 2019-4-11	
Designer	bin		
Reviewed			

I2C RAIL



Tiele: V5_NANO		SHEET 16 OF 16
VER	RC01	DATE: 2019-4-11
Designer	bin	
Reviewed		

1

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3

4

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A

CUAV V5_NANO Modify list

RC01

2019-3-25 修改TF卡位置，修改电源使能部分原理
增加硬件电压检测复位IC

2019-4-28 修复IMU电压检测SCALED_VDD_3V3_SENSORS

2019-5-11 修改ID电阻

B

B

C

C

D

D

Special thanks:

APM Developer Team

PX4 Developer team

1

2

3

4

MBS

• W&UD

