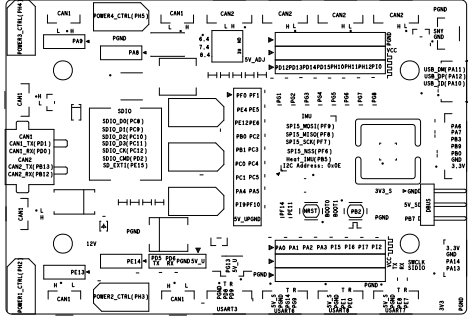
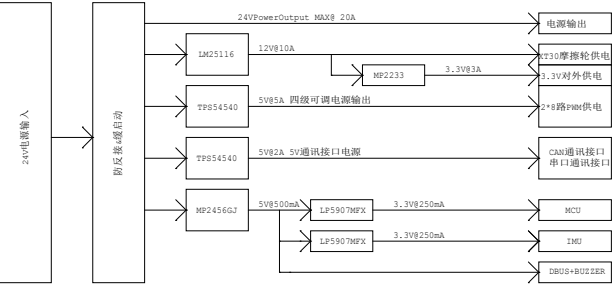
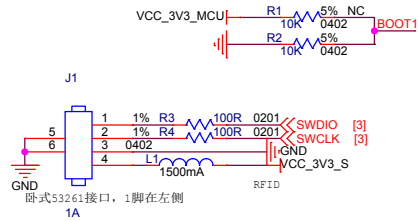


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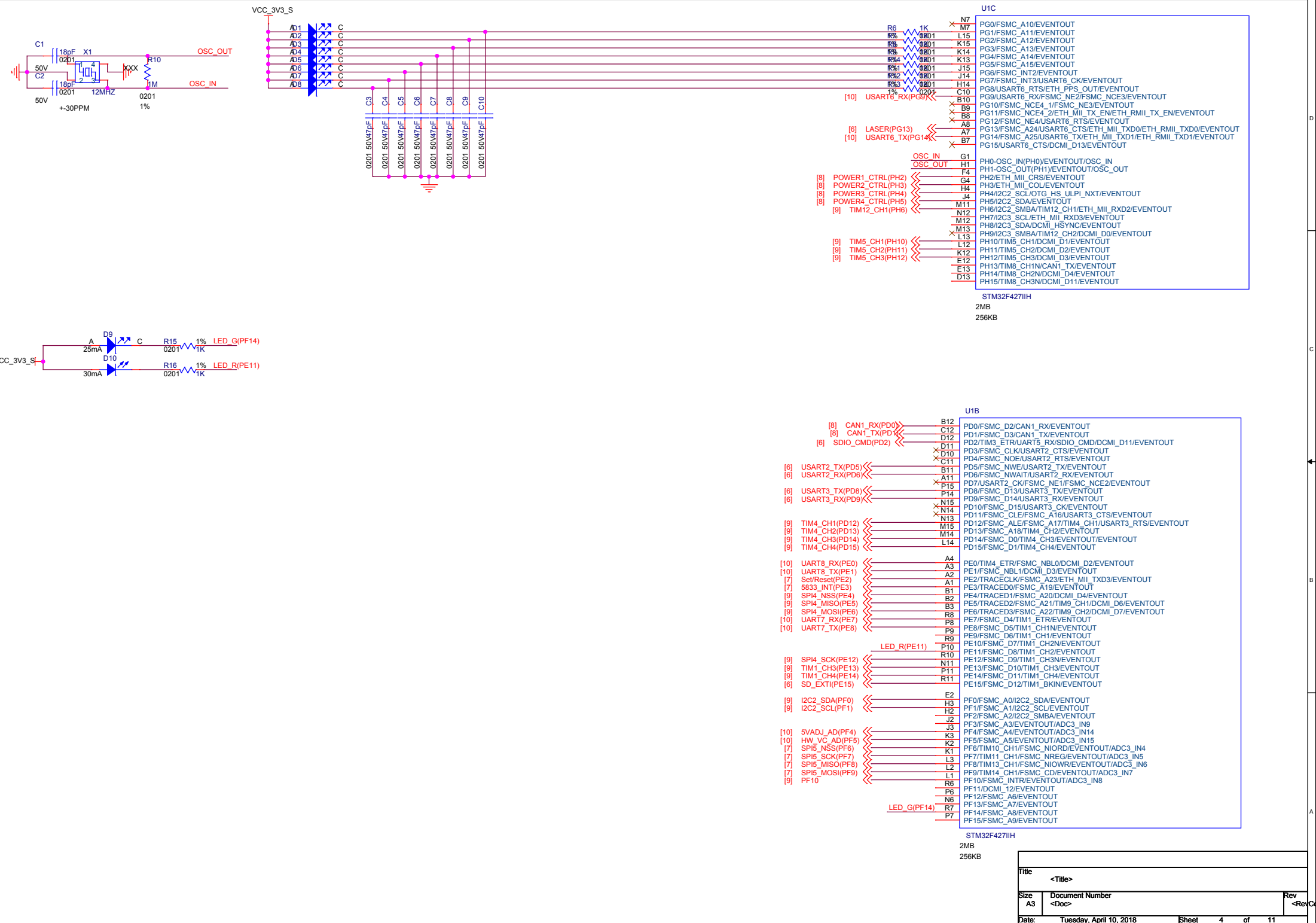


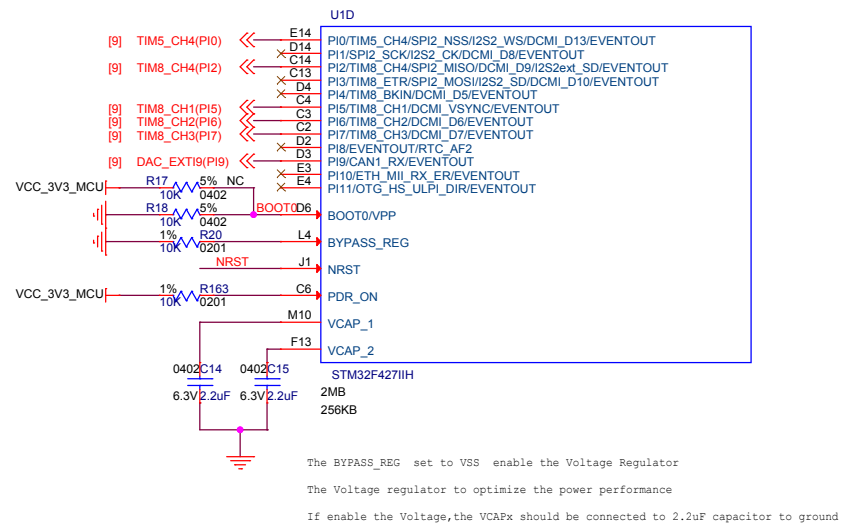
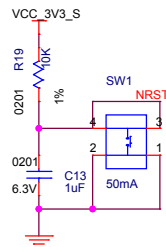
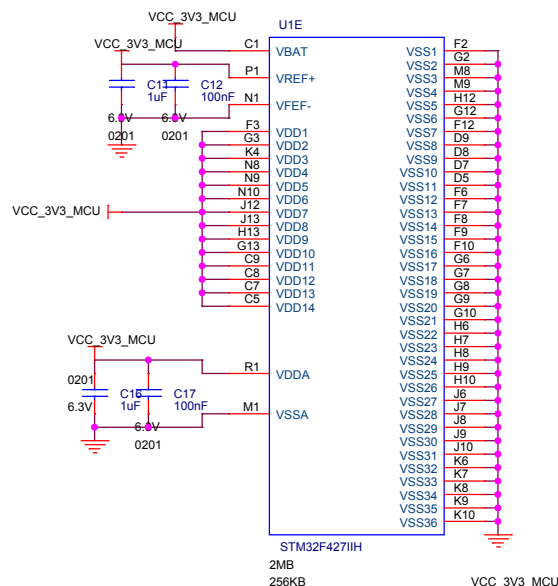
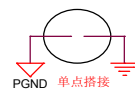
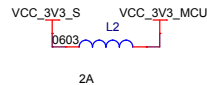
PowerTree



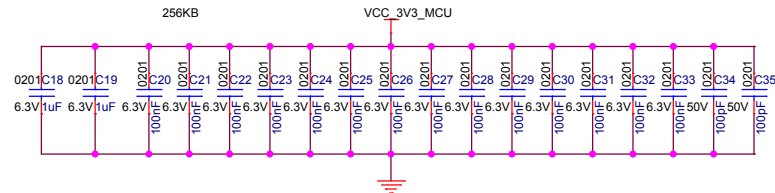


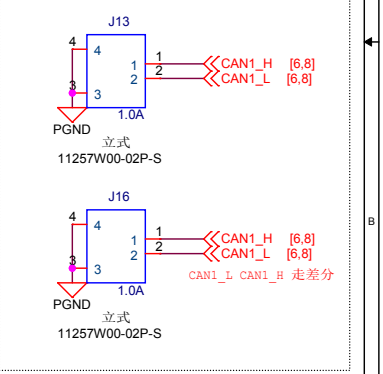
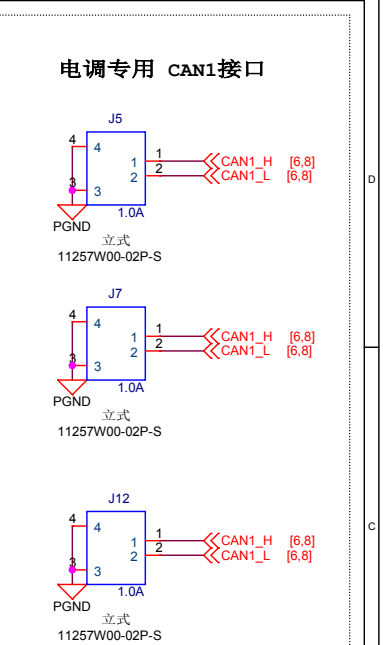
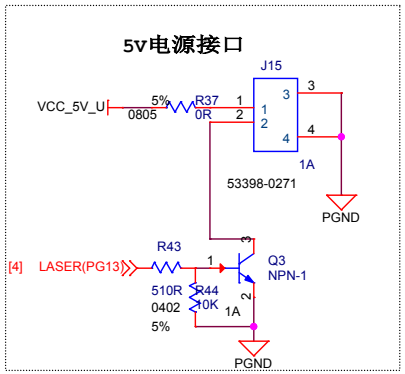
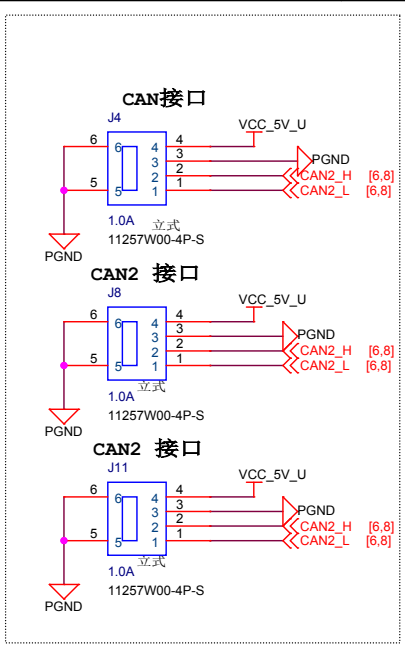
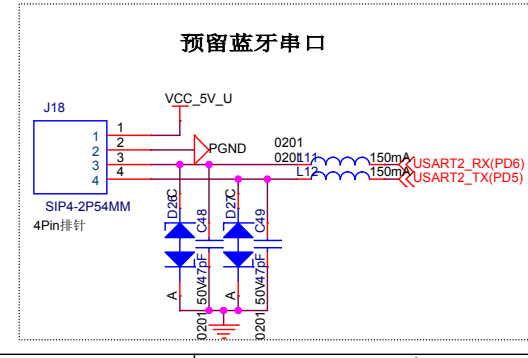
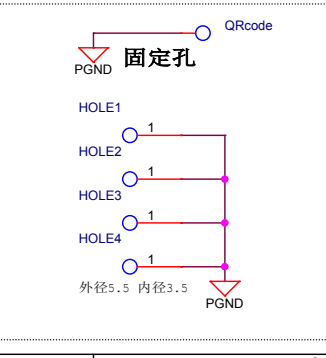
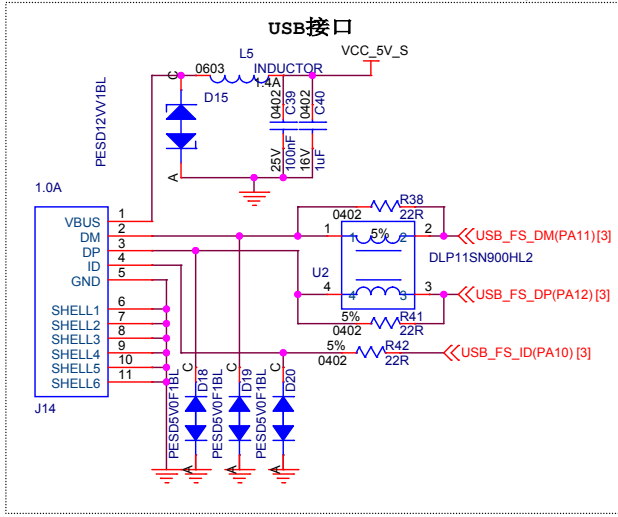
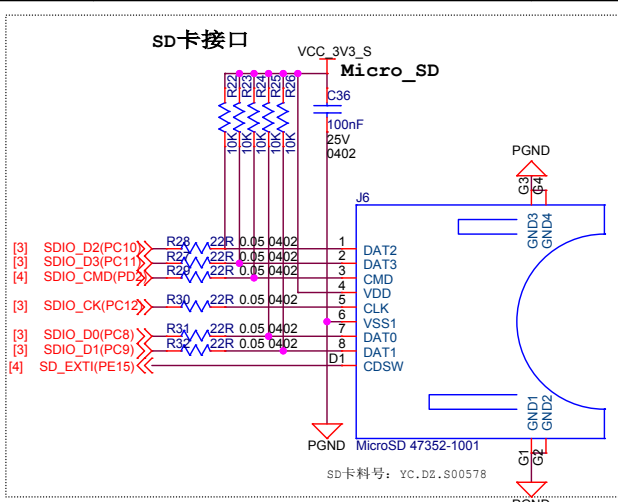
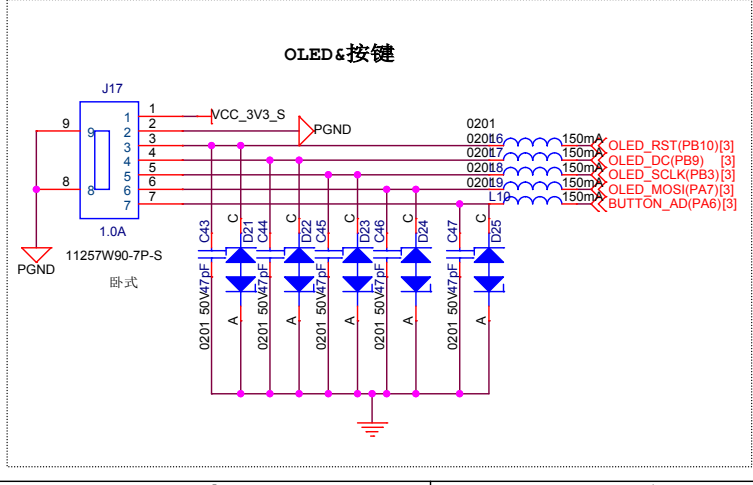
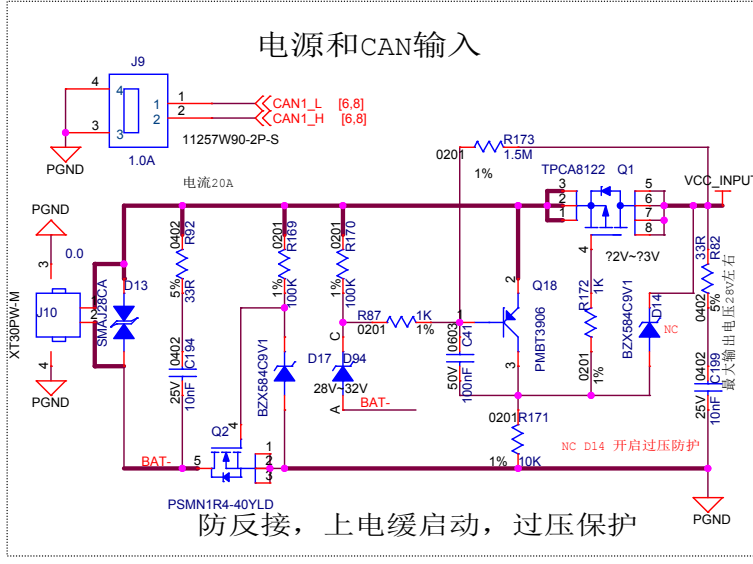
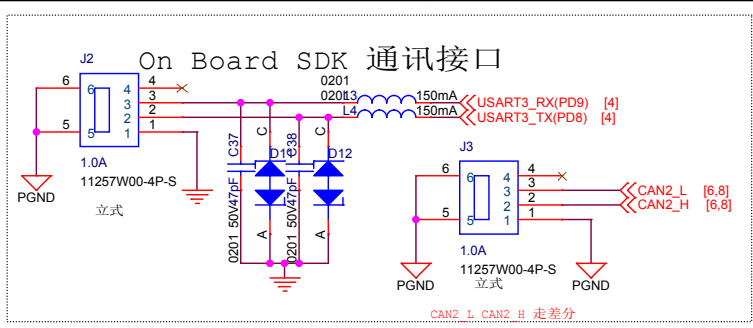
U1A	
[9] TIM2_CH1(PA0)	N3
[9] TIM2_CH2(PA1)	N2
[9] TIM2_CH3(PA2)	P2
[9] TIM2_CH4(PA3)	P2
[9] DAC_OUT1(PA4)	N4
[9] DAC_OUT2(PA5)	P4
[6] BUTTON_AD(PA6)	P3
[6] OLED_MOSI(PA7)	R3
[9] TIM1_CH1(PA8)	F15
[9] TIM1_CH2(PA9)	E15
[6] USB_FS_ID(PA10)	D15
[6] USB_FS_DM(PA11)	C15
[6] USB_FS_DP(PA12)	B15
[3] SWDIO	A15
[3] SWCLK	A14
	A13
	R5
[9] ADC1_IN8(PB0)	R4
[9] ADC1_IN9(PB1)	BOOT1 M6
[9] KEY(PB2)	A10
[6] OLED_SCLK(PB3)	A9
[7] Heat_PWM(PB5)	A6
	B5
[9] USART1_RX(PB7)	A5
[7] IMU_INT(PB8)	B4
[6] OLED_DC(PB9)	R12
[6] OLED_RST(PB10)	R13
	P12
[8] CAN2_RX(PB12)	P13
[8] CAN2_TX(PB13)	R14
[10] SNYCHOR(PB14)	R15
[10] SNYCHOR(PB15)	
	M2
[9] ADC1_IN10(PC0)	M3
[9] ADC1_IN11(PC1)	M4
[9] ADC1_IN12(PC2)	M5
[9] ADC1_IN13(PC3)	N5
[9] ADC1_IN14(PC4)	P5
[9] ADC1_IN15(PC5)	H15
	G15
	G14
[6] SDIO_D0(PC8)	F14
[6] SDIO_D1(PC9)	B14
[6] SDIO_D2(PC10)	B13
[6] SDIO_D3(PC11)	A12
[6] SDIO_CK(PC12)	D1
	E1
	F1
	PC0/OTG_HS_ULPI_STP/EVENTOUT/ADC123_IN10
	PC1/ETH_MDC/EVENTOUT/ADC123_IN11
	PC2/SPI2_MISO/OTG_HS_ULPI_DIR/TH_MII_TXD2/I2S2ext_SD/EVENTOUT/ADC123_IN12
	PC3/SPI2_MOSI/I2S2_SD/OTG_HS_ULPI_NXT/ETH_MII_TX_CLK/EVENTOUT/ADC123_IN13
	PC4/ETH_RMII_RX_D0/ETH_MII_RX_D0/EVENTOUT/ADC12_IN14
	PC5/ETH_RMII_RX_D1/ETH_MII_RX_D1/EVENTOUT/ADC12_IN15
	PC6/I2S2_MCK/TIM8_CH1/SDIO_D6/USART6_TX/DCMI_D0/TIM3_CH1/EVENTOUT
	PC7/I2S3_MCK/TIM8_CH2/SDIO_D7/USART6_RX/DCMI_D1/TIM3_CH2/EVENTOUT
	PC8/TIM8_CH3/SDIO_D0/TIM3_CH3/USART6_CK/DCMI_D2/EVENTOUT
	PC9/I2S3_CKIN/MCO2/TIM8_CH4/SDIO_D1/I2C3_SDA/DCMI_D3/TIM3_CH4/EVENTOUT
	PC10/SPI3_SCK/I2S3_CK/UART4_TX/SDIO_D2/DCMI_D8/USART3_TX/EVENTOUT
	PC11/UART4_RX/SPI3_MISO/SDIO_D3/DCMI_D4/USART3_RX/I2S3ext_SD/EVENTOUT
	PC12/UART5_TX/SDIO_CK/DCMI_D9/SPI3_MOSI/I2S3_SD/USART3_CK/EVENTOUT
	PC13/EVENTOUT/RTC_AF1
	PC14-OSC32_IN(PC14)/EVENTOUT/OSC32_IN
	PC15-OSC32_OUT(PC15)/EVENTOUT/OSC32_OUT
	STM32F427IHH
	2MB
	256KB





BOOT1 BOOT0 BOOT SOURCE
X 0 User Flash
0 1 System Memory
1 1 Embedded SRAM
通过短接NC电阻来改变BOOT引导方式。

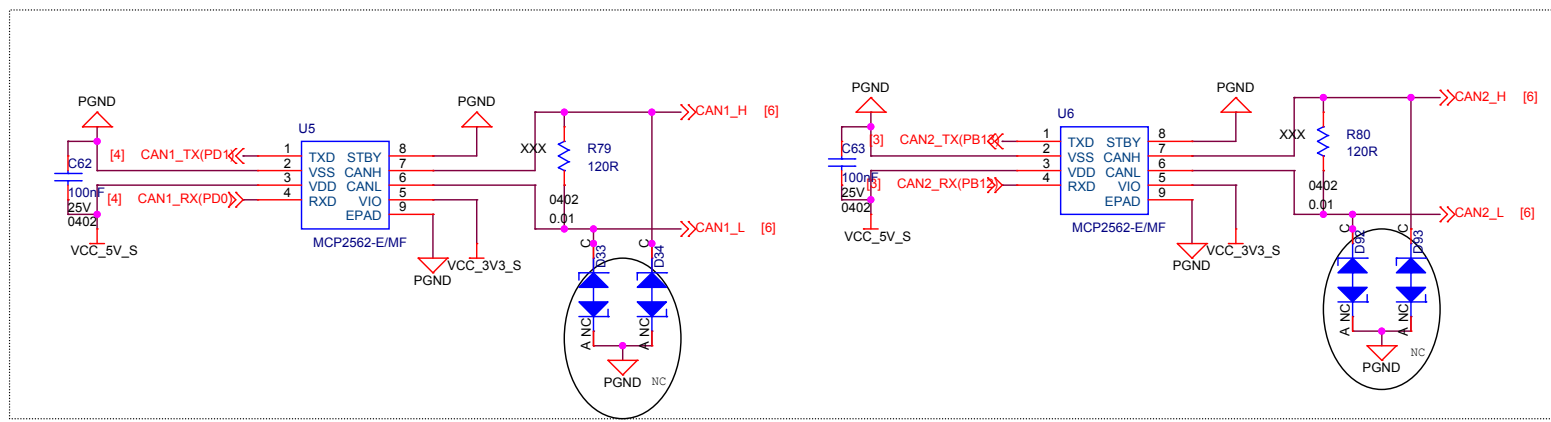
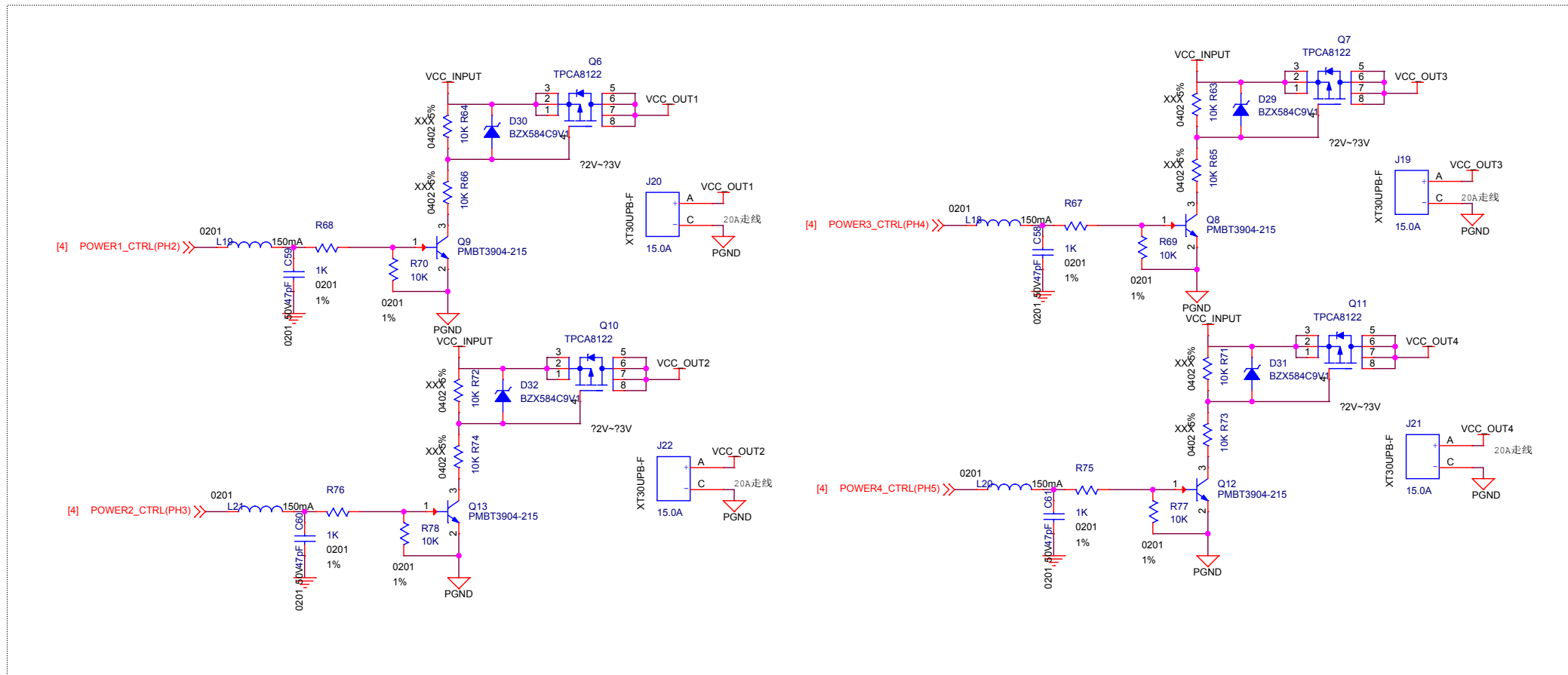




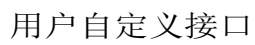
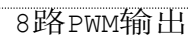
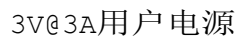
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Date:	Tuesday, April 10, 2018	Sheet 6 of 11



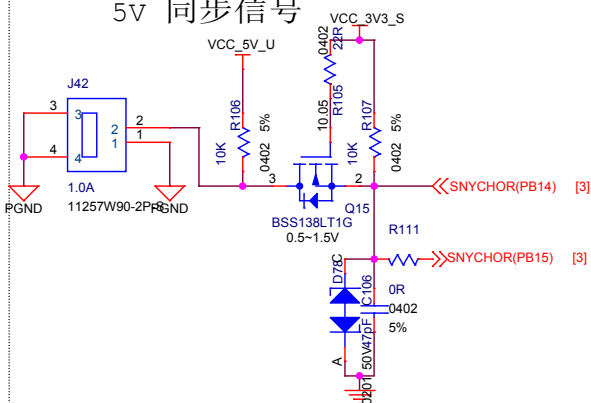
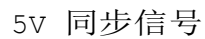
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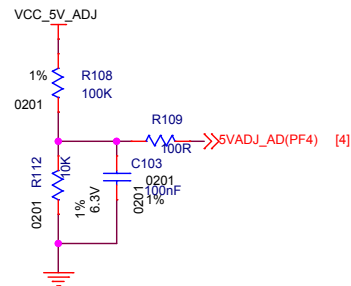
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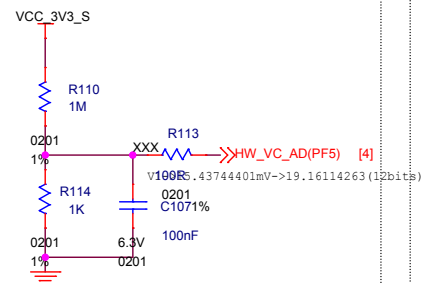
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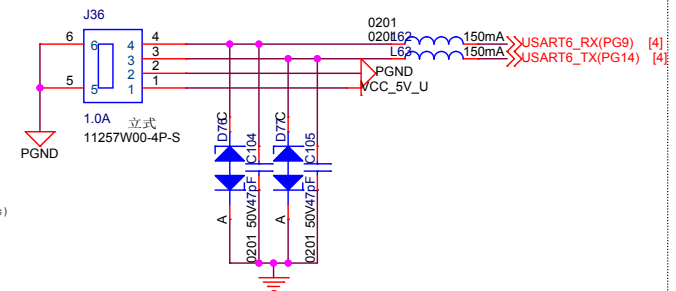
可调5V电源电压采集



硬件版本控制

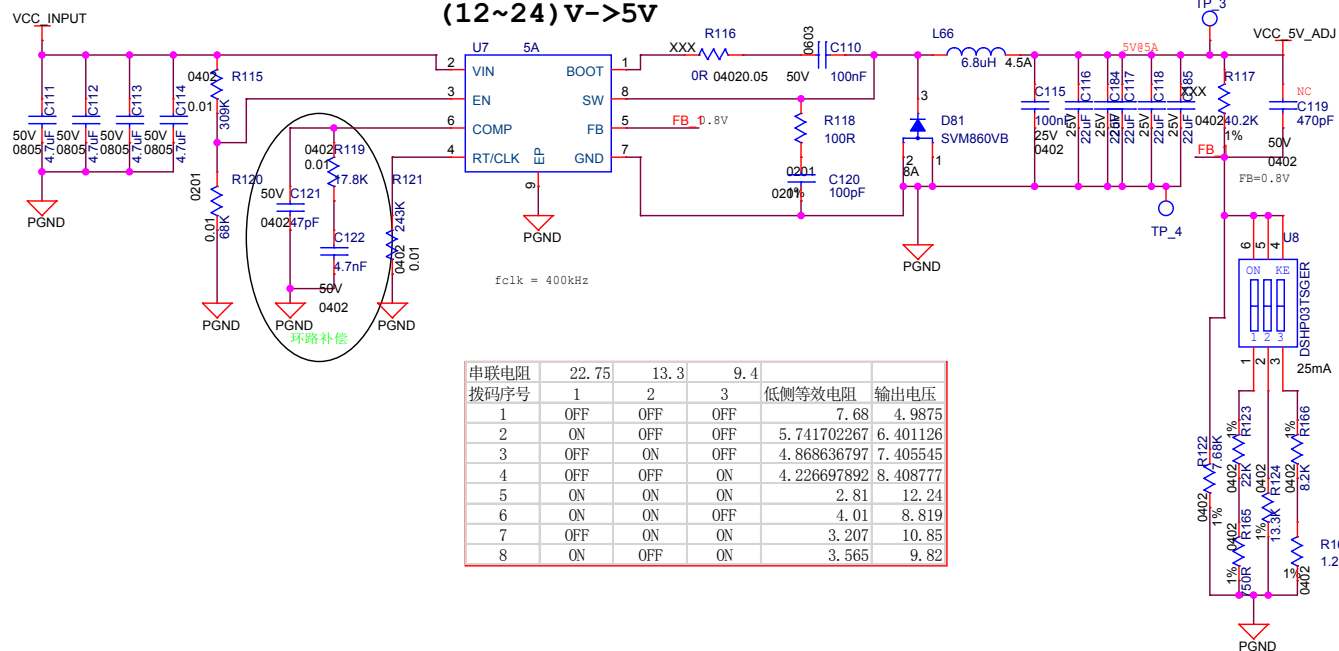


USER串口

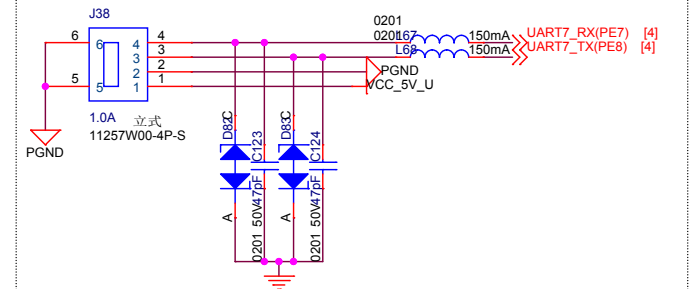
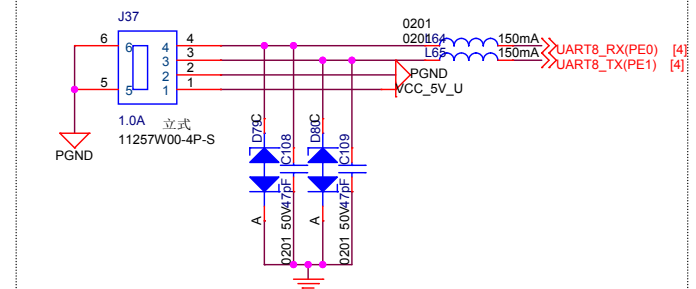


舵机四级可调电源

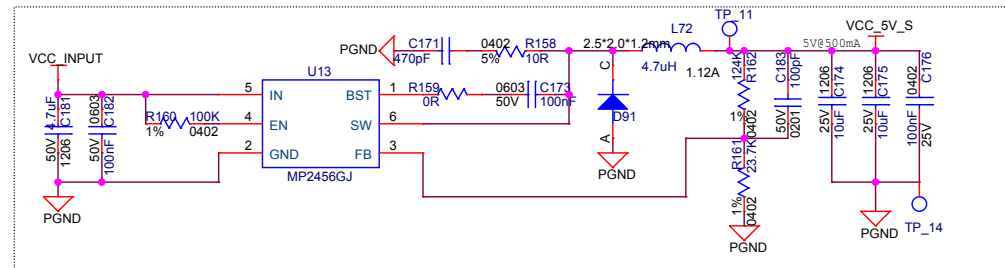
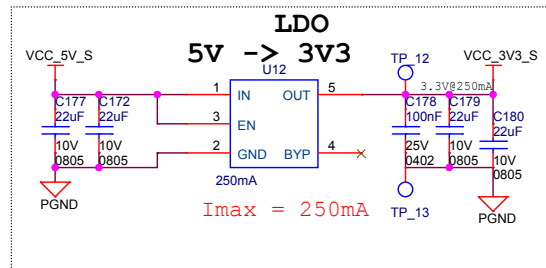
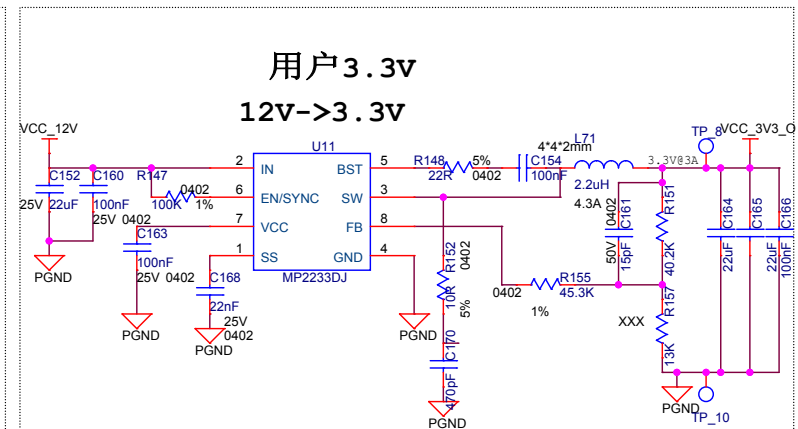
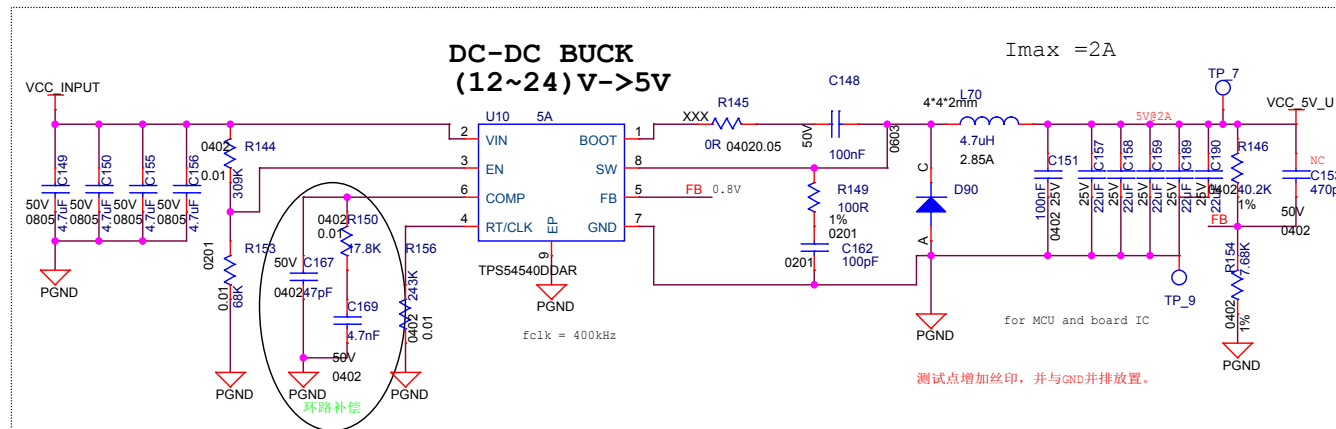
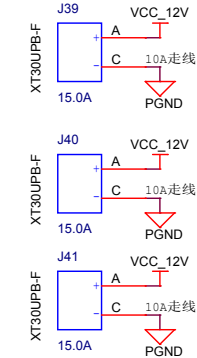
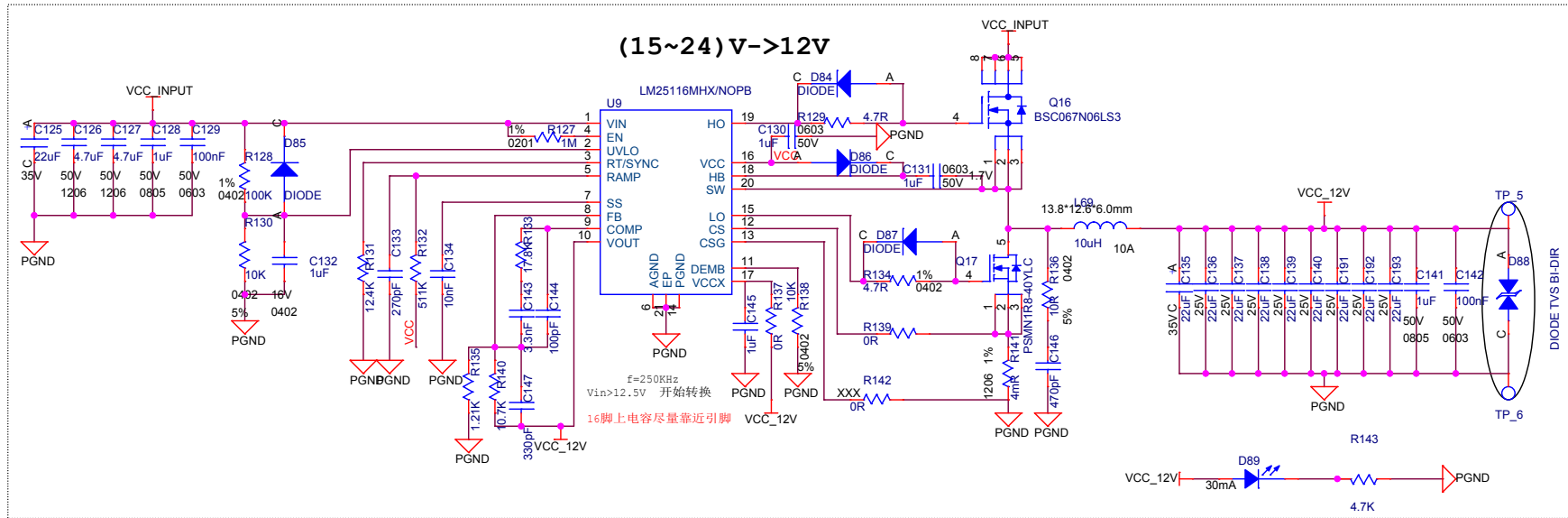
DC-DC BUCK
(12~24)V->5V

$$I_{\max} = 5A$$


串联电阻 拨码序号	22.75	13.3	9.4	低侧等效电阻	输出电压
	1	2	3		
1	OFF	OFF	OFF	7.68	4.9875
2	ON	OFF	OFF	5.741702267	6.401126
3	OFF	ON	OFF	4.868636797	7.405545
4	OFF	OFF	ON	4.226697892	8.408777
5	ON	ON	ON	2.81	12.24
6	ON	ON	OFF	4.01	8.819
7	OFF	ON	ON	3.207	10.85
8	ON	OFF	ON	3.565	9.82



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Date:	Tuesday, April 10, 2018	Sheet	10 of 11



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Size	Document Number	Rev
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Date:	Thursday, March 08, 2018	Sheet 11 of 11