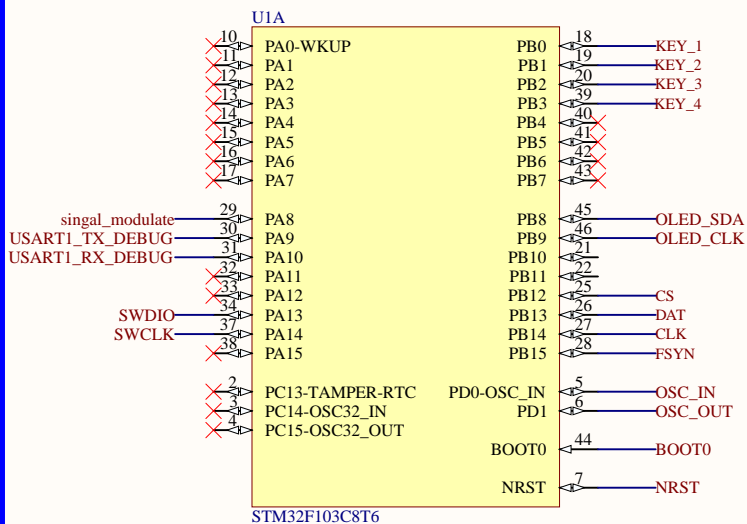
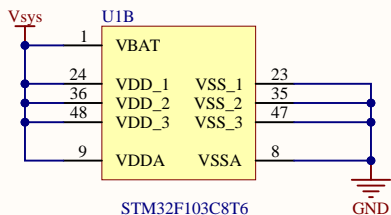
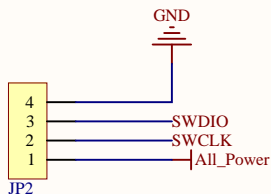
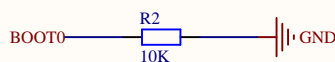


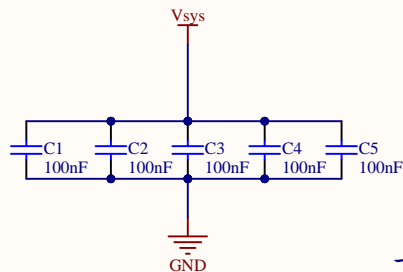
## MCU



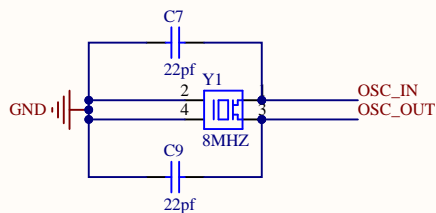
## 启动方式选择



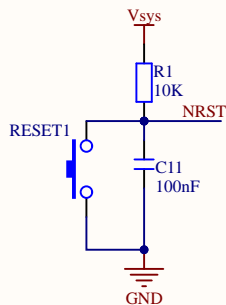
## SW下载口



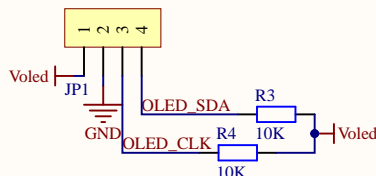
## 去耦电路



## 时钟电路

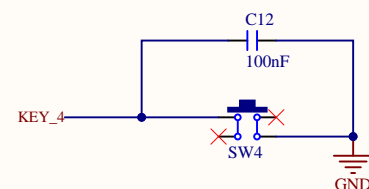
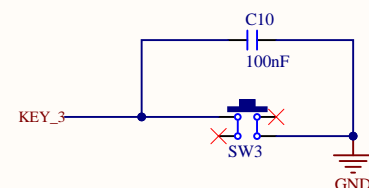
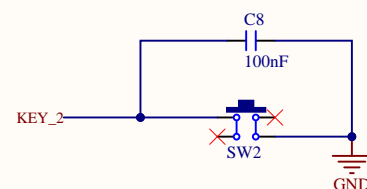
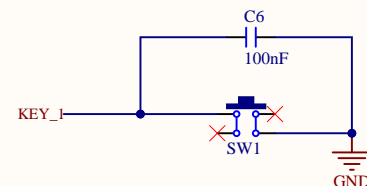


## 复位电路



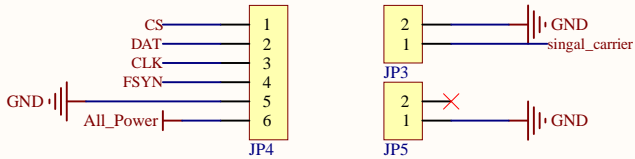
## OLED

## 按键控制

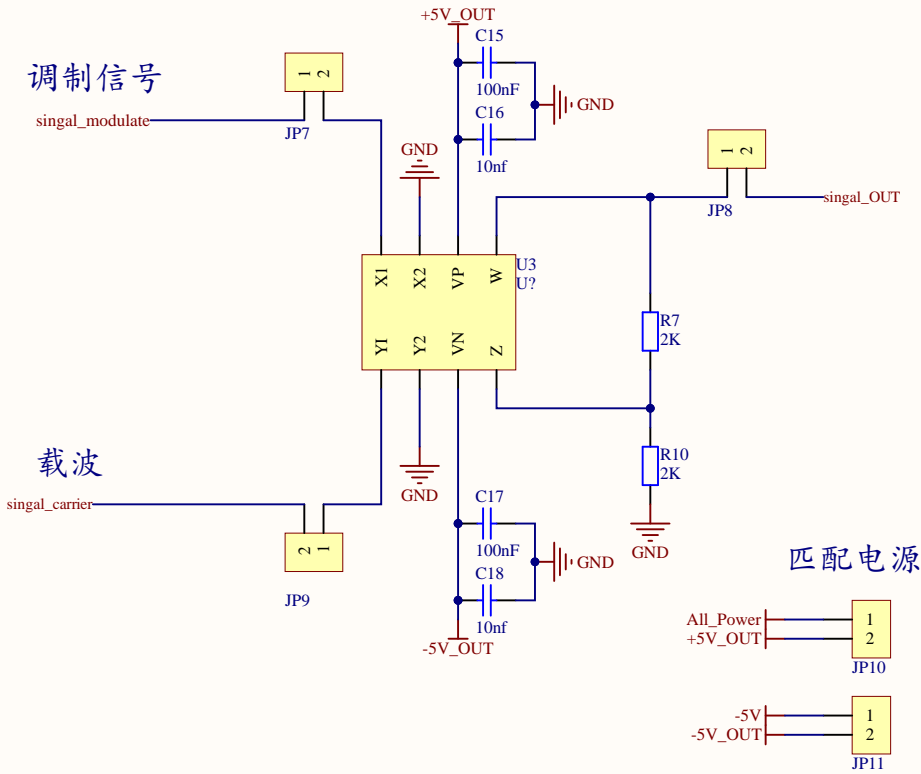


Title		
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A4		
Date:	12/19/2024	Sheet of
File:	D:\Desktop\chuliqui\PCB\ASK\MCU.SchDoc	Drawn By:

DDS信号发生器（单片机控制载波产生）

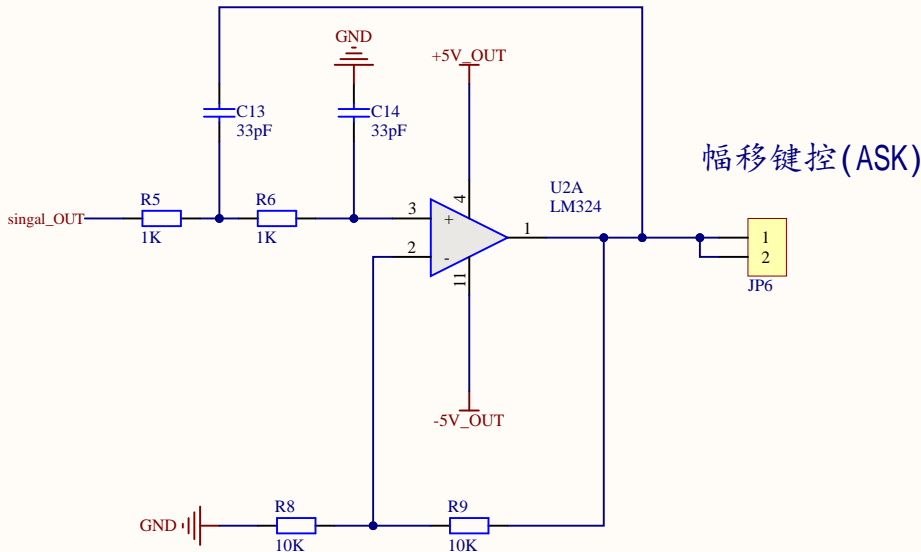


AD835模拟乘法器



本电路截止频率为4.8MHz,增益为2

二阶有源低通滤波



幅移键控(ASK)

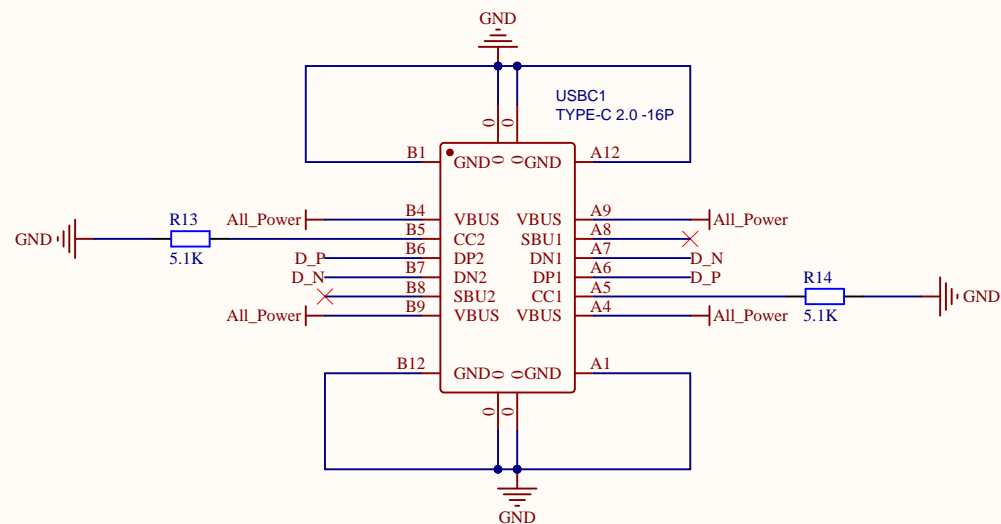
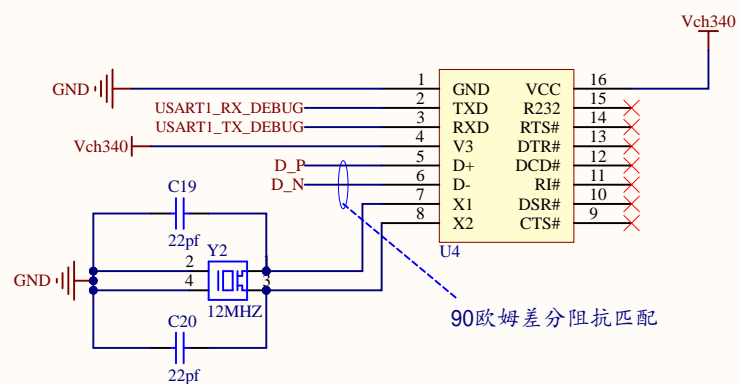
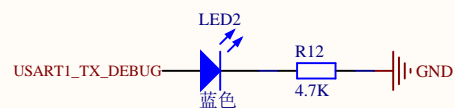
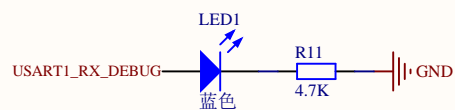
截止频率与增益计算公式:

$$f_c = \frac{1}{2\pi RC}$$

$$A = 1 + \frac{R_f}{R_1}$$

Title		
Size	Number	Revision
A4		
Date:	12/19/2024	Sheet of
File:	D:\Desktop\chuliqu\PCB\ASK\OUT.SchDoc	Drawn By:

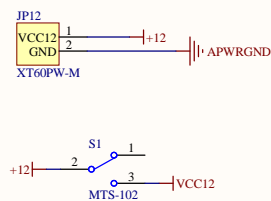
## 串口数据传输指示



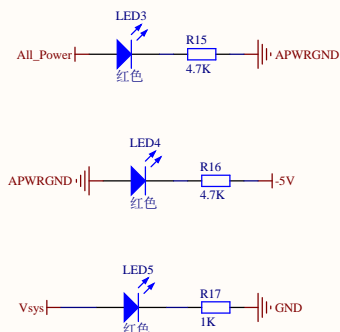
## 串口外接typec

Title		
Size A4	Number	Revision
Date: 12/19/2024	Sheet of	
File: D:\Desktop\chuliqui\PCB\ASK\USART.Sch	Drawn By:	

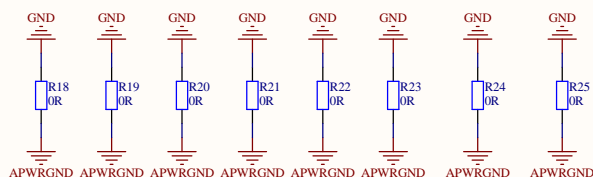
## 电源接入与开关



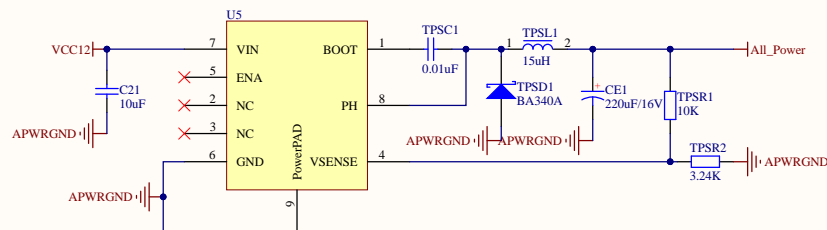
## 电源指示



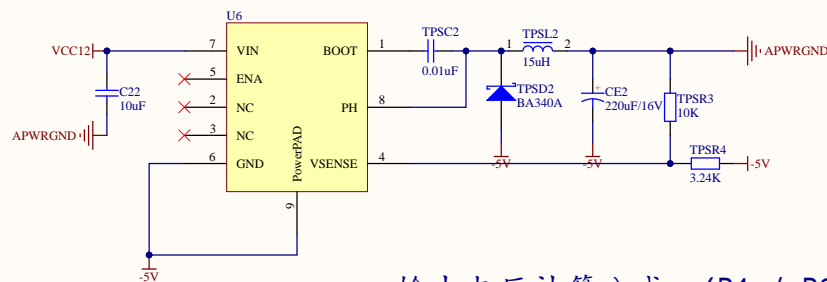
## 地隔离



## 12V—>5V正负降压

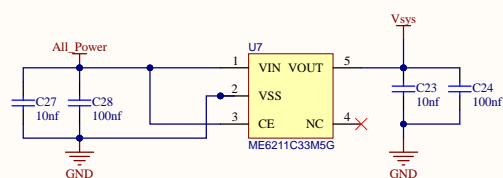


+5V电源

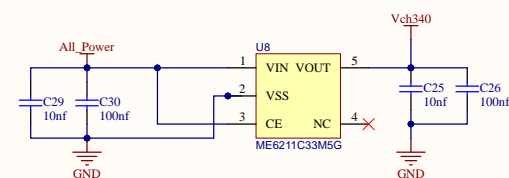


-5V电源

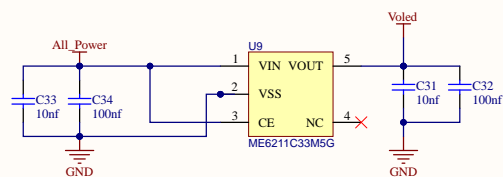
输出电压计算公式:  $(R1 / R2 + 1) * 1.221$



mcu电源



ch340电源



OLED电源

LDO 5V—>3.3V

Title		
Size	Number	Revision
A3		
Date:	12/19/2024	Sheet of
File:	D:\Desktop\chuliji\PCB\ASK\POWER_Sch	Drawn By: