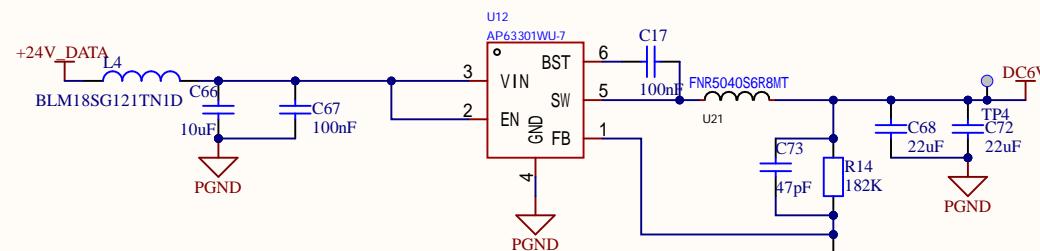


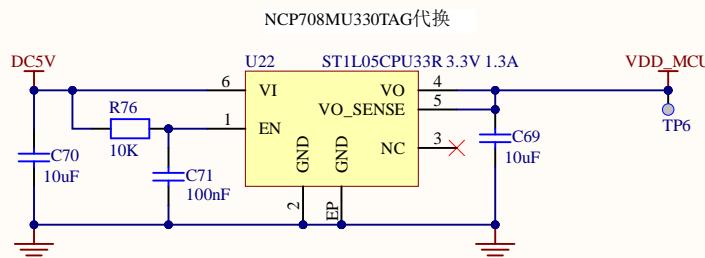
1 2 3 4

A



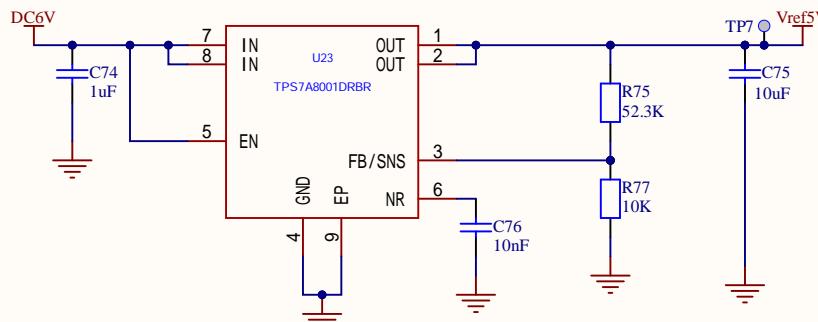
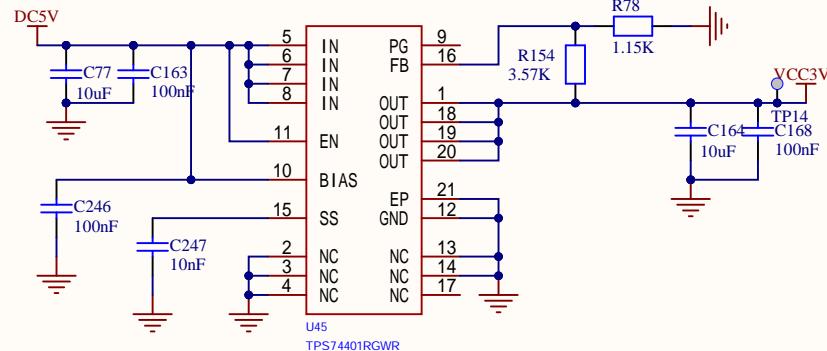
$$R1 = R2 \cdot \left(\frac{V_{OUT}}{0.8V} - 1 \right)$$

B



$$V_{OUT} = \frac{(R_1 + R_2)}{R_2} \times 0.800$$

C



Title 5V电源		
Size A4	Number	Revision
Date: 6/03/2025	Sheet of	
File: \..\lv_power_5V_cv.SchDoc	Drawn By:	

1 2 3 4

A

1. $R_{sense} = V_{ref} / I_{led}$
 $= 0.1V / 0.05mA$
 $= 2$
2. 上电顺序: 上电 -> pwm
3. PWM控制信号:
 <1V 关机
 1V~2.07V PWM调光模式
 >2.07V 模拟调光模式
4. PWM频率>10KHZ,低频率纹波大

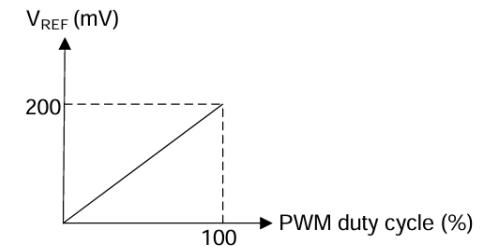
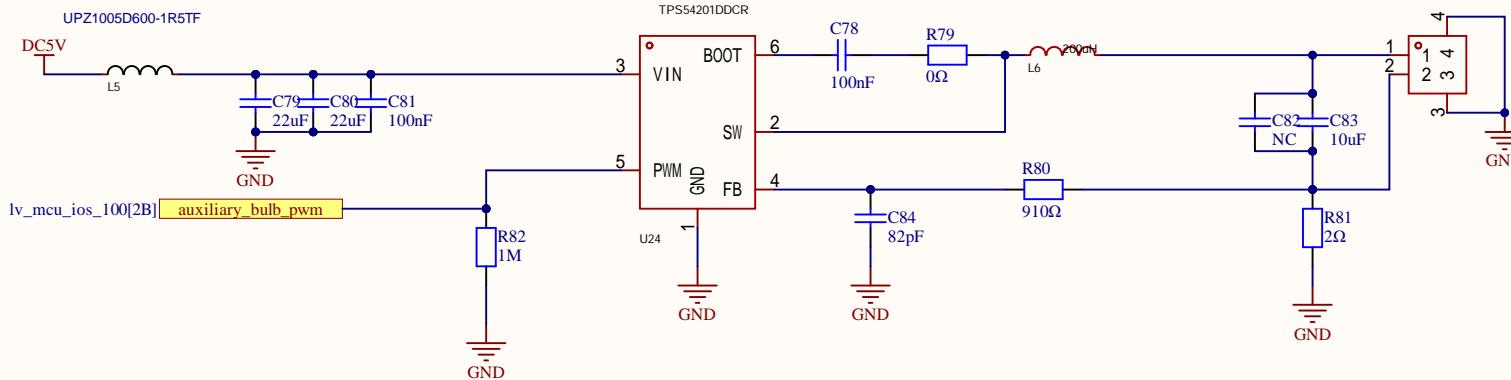


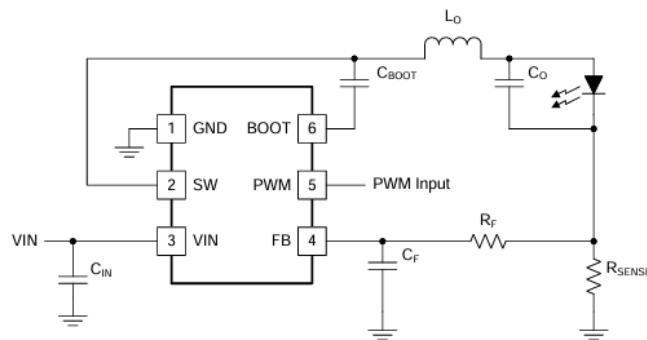
图 16. V_{REF} vs PWM Duty Cycle in Analog Dimming Mode

B



C

简化电路原理图



Copyright © 2016, Texas Instruments Incorporated

Title		
指示灯电源		
Size	Number	Revision
A4		
Date:	6/03/2025	Sheet of
File:	\.\lv_power_indicator_light_cc.SchDoc	Drawn By:

D

1

2

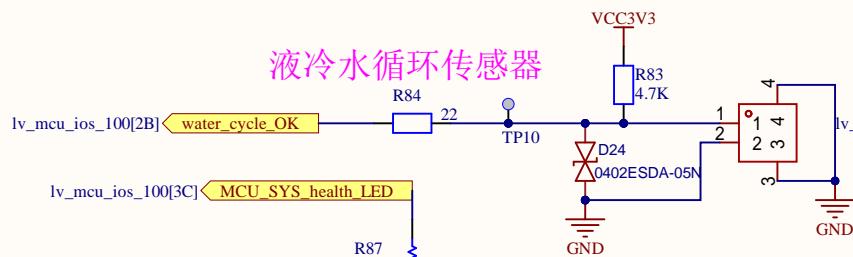
3

4

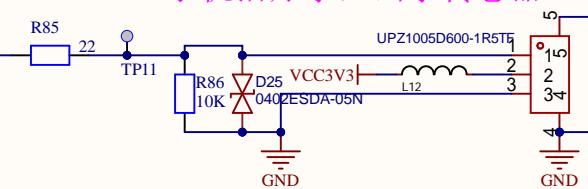
A

A

液冷水循环传感器



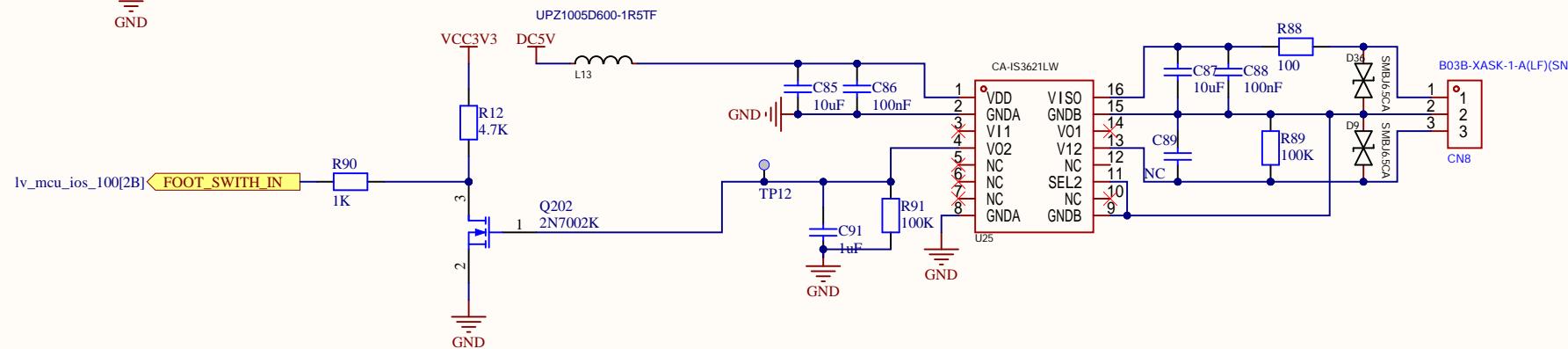
手机治疗水，出水传感器



B

B

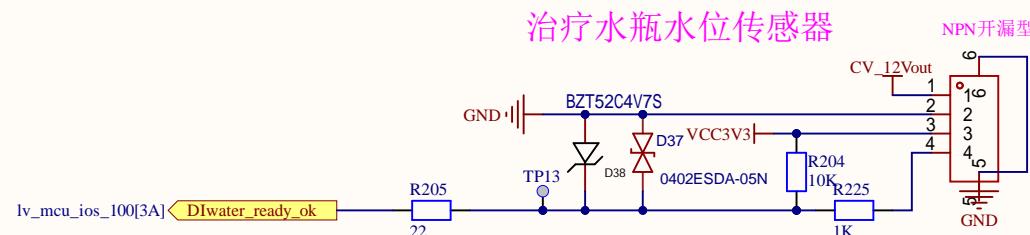
LD3
GREEN
GND



C

C

治疗水瓶水位传感器



NPN开漏型

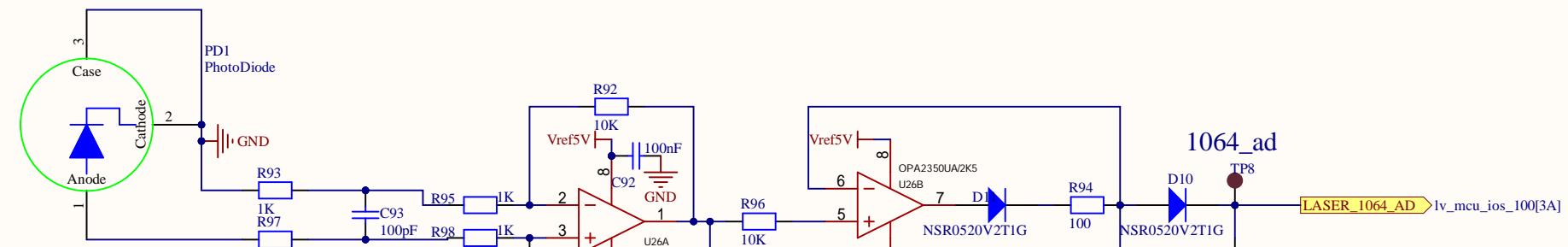
Title		
Size	Number	Revision
A4		
Date:	6/03/2025	Sheet of
File:	\..\lv_io.SchDoc	Drawn By:

1

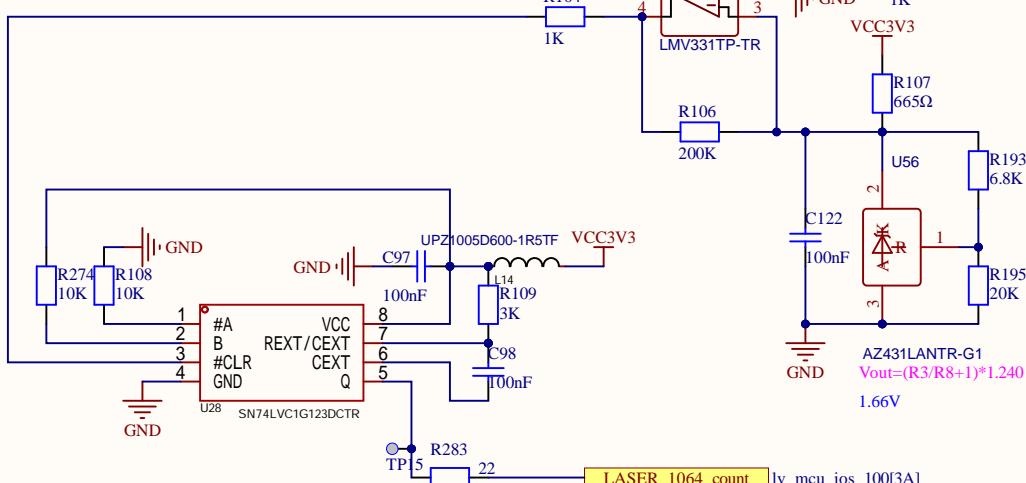
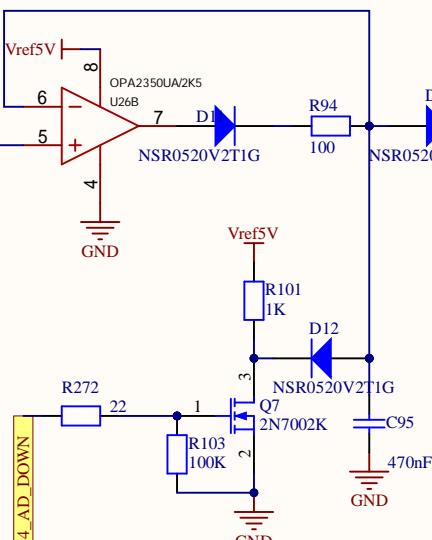
2

3

4

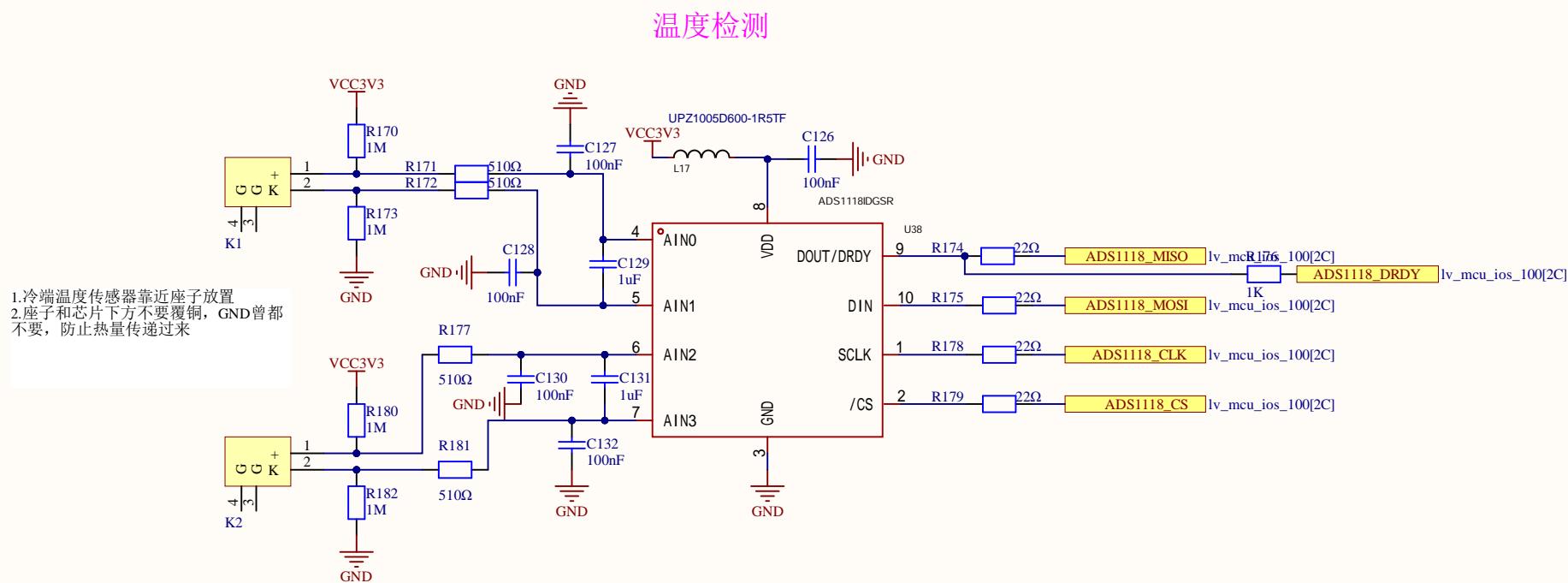


光电管



Title		
Size	Number	Revision
A4		
Date: 6/03/2025	Sheet of	
File: \..\lv_signal_link.SchDoc	Drawn By:	

A



B

1. 冷端温度传感器靠近座子放置
2. 座子和芯片下方不要覆铜, GND曾都不要, 防止热量传递过来

A

B

C

D

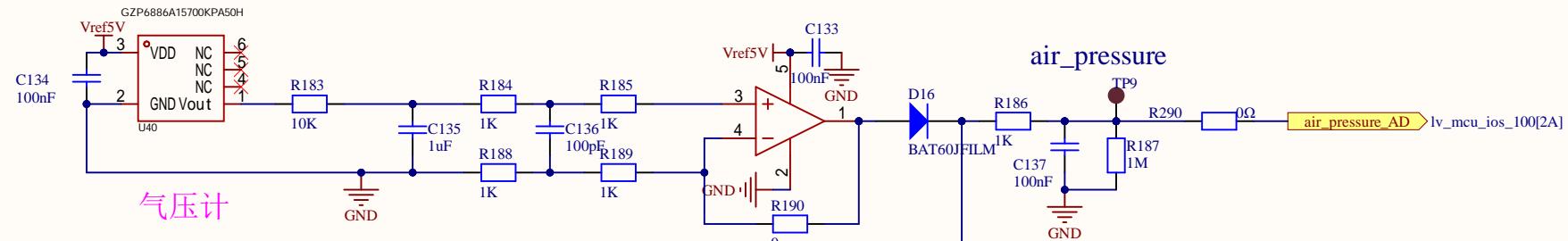
Title		
Size	Number	Revision
A4		
Date: 6/03/2025	Sheet of	
File: \.\.\lv_signal_temp.SchDoc		Drawn By:

A

A

B

B

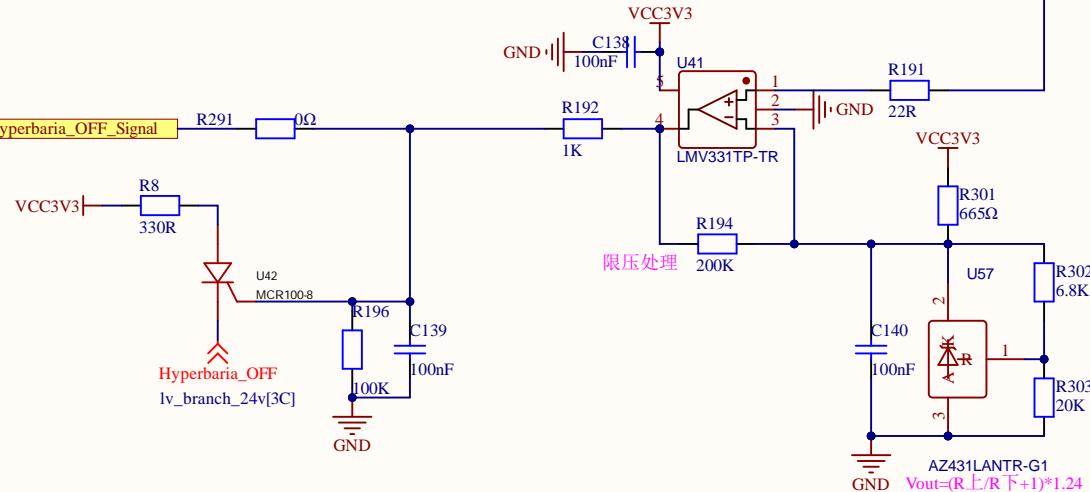


气压计

air_pressure

C

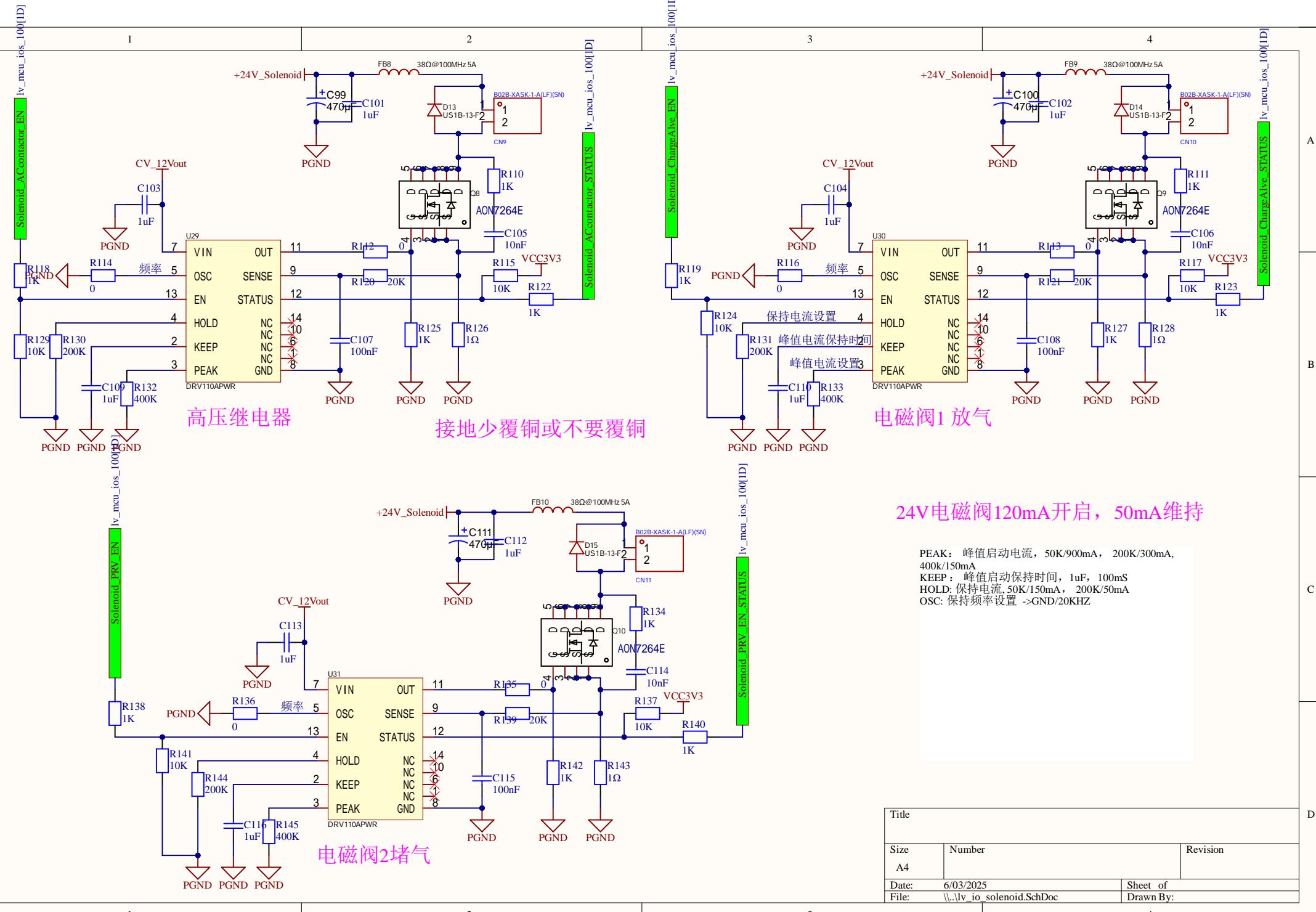
C



限压处理

 $V_{out} = (R_{上}/R_{下} + 1) * 1.24$
 设置 1.66V

Title		
Size	Number	Revision
A4		
Date: 6/03/2025	Sheet of	
File: \..\lv_signal_air.SchDoc	Drawn By:	



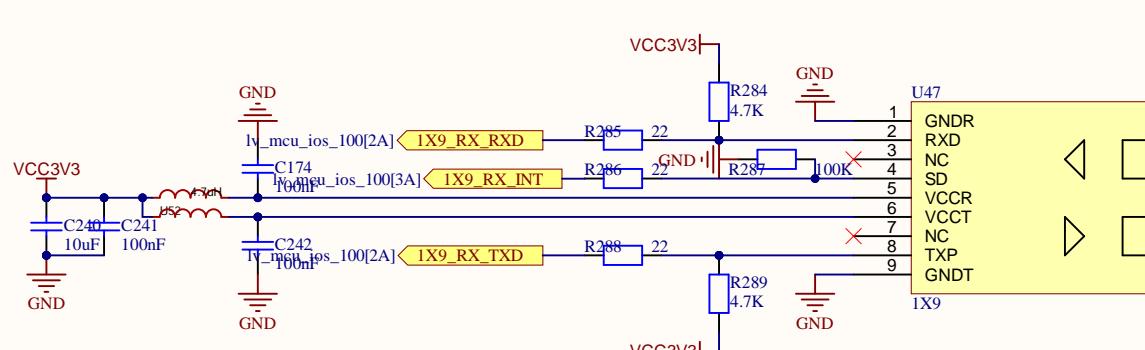
1

2

3

4

氙灯主电源



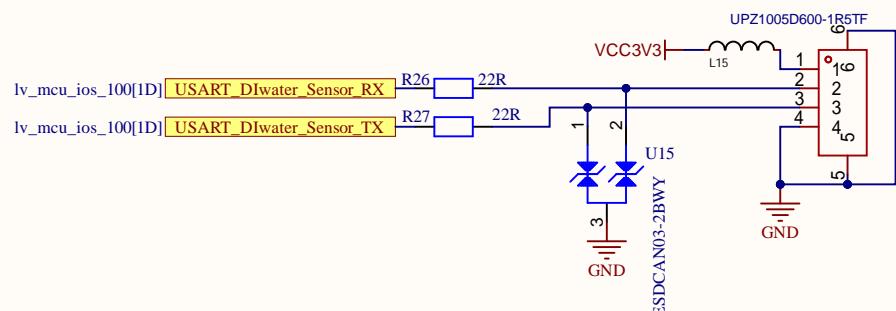
A

A

B

B

治疗水瓶水位传感器



C

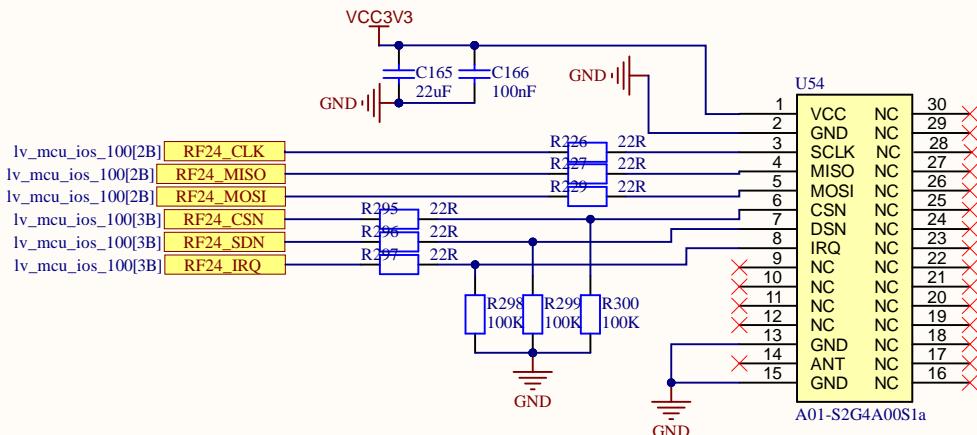
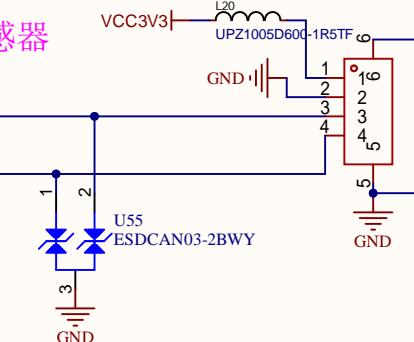
C

冷却液位传感器

D

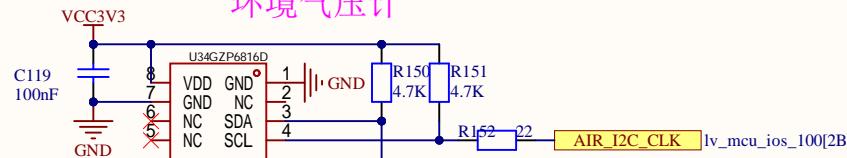
D

D

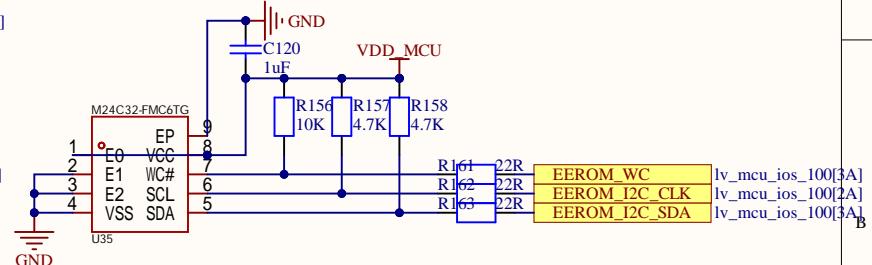
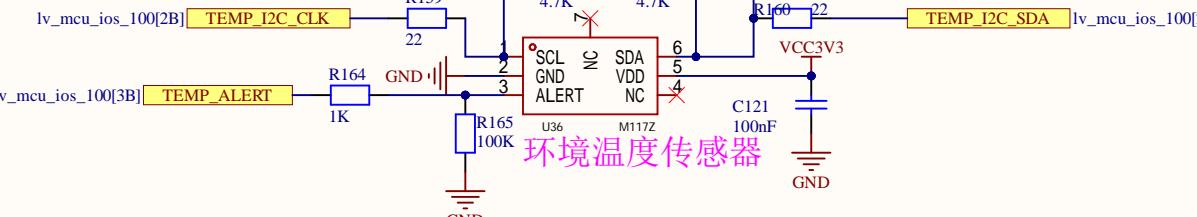


A

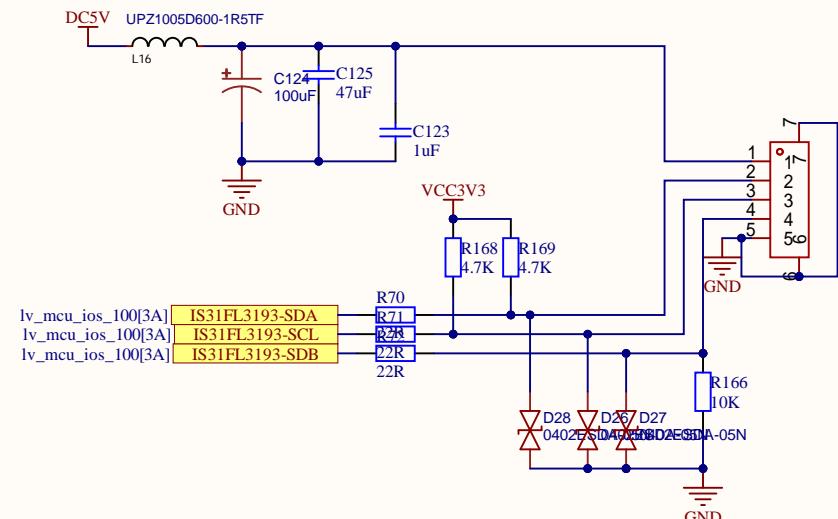
环境气压计



B



C



RGB氛围灯

Title

Size

A4

Number

Revision

Date: 6/03/2025

Sheet of

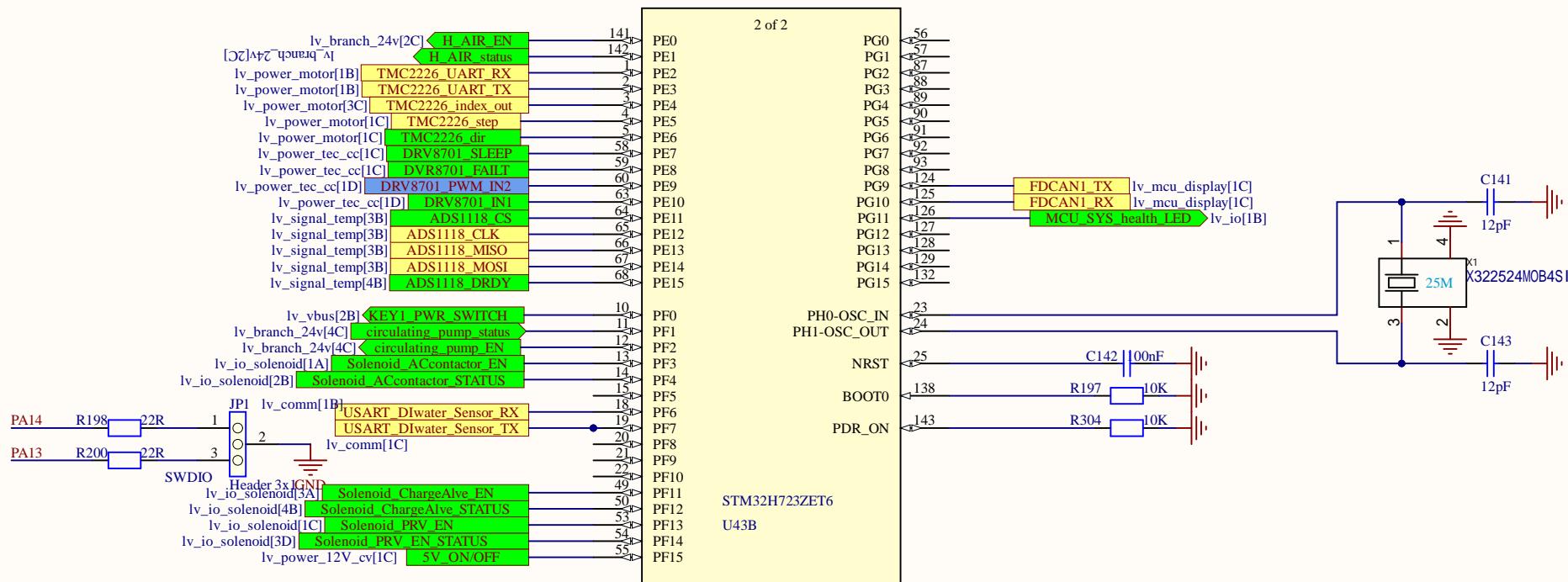
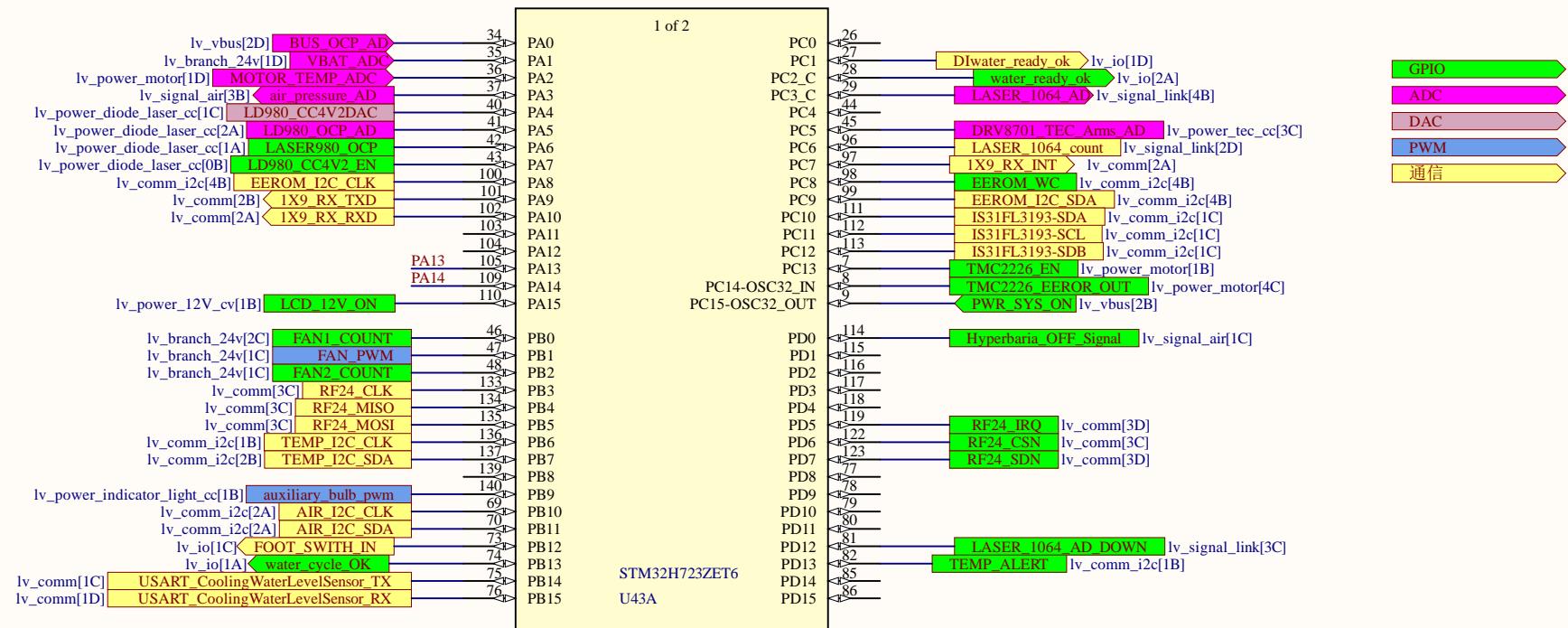
File: \..\lv_comm_i2c.SchDoc

Drawn By:

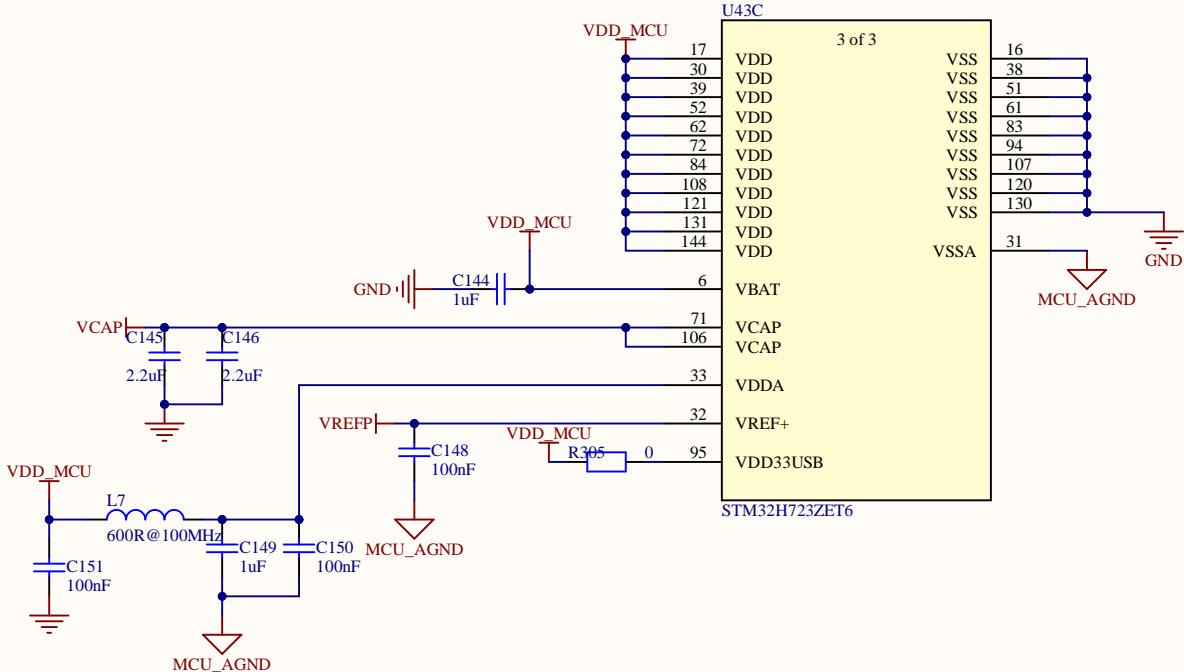
A

C

D



MCU PWR SUPPLIES



Title _____

Size _____ Number _____ Revision _____

Date: 6/03/2025 Sheet of _____

File: \\\lv_mcu_ios_100_power.SchDoc Drawn By: _____

A

A

B

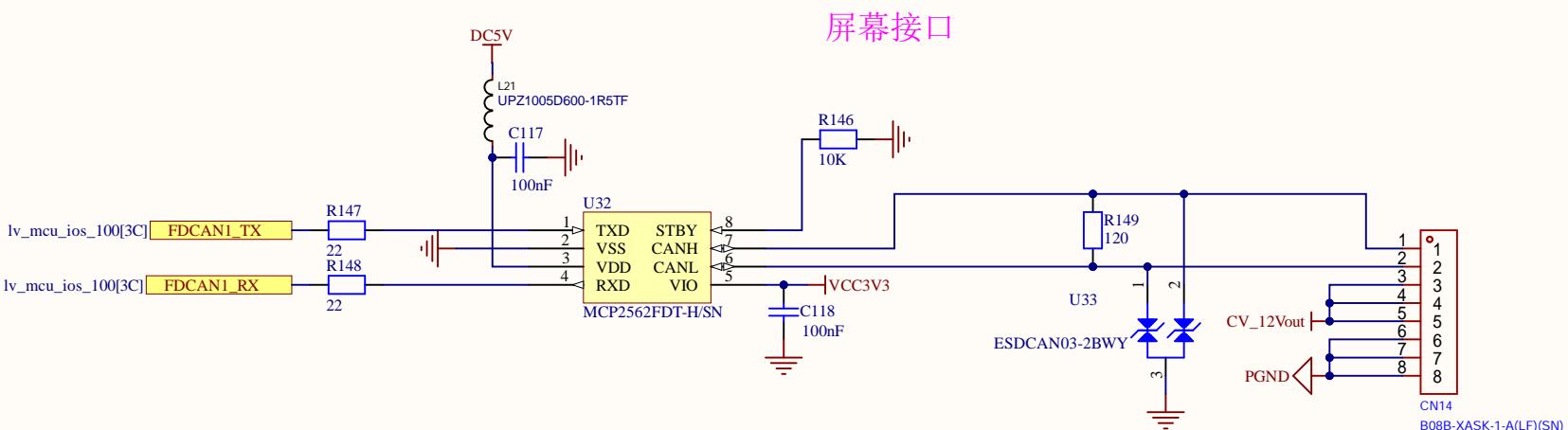
B

C

C

D

D



Title

Size

A4

Number

Revision

Date: 6/03/2025

Sheet of

File: \..\lv_mcu_display.SchDoc

Drawn By:

