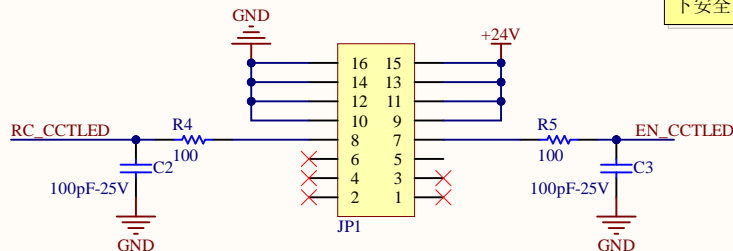
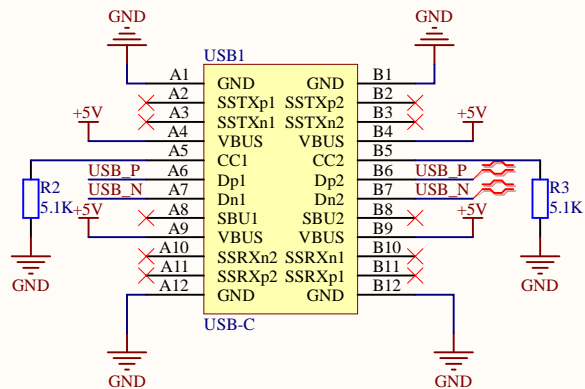
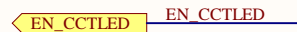
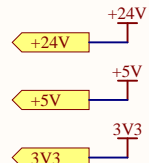


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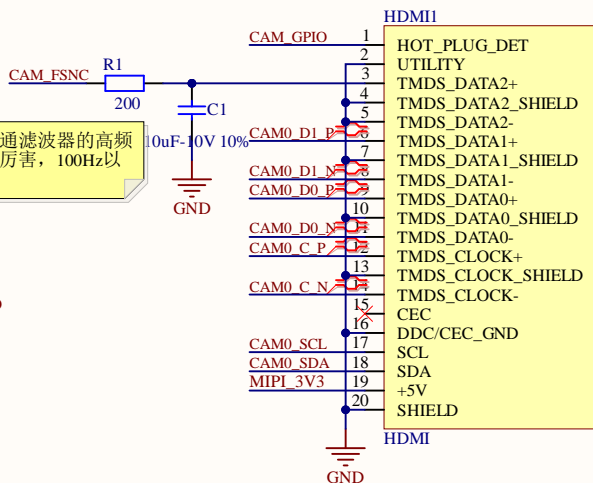
#### OV9281 相机接口

CAM_GPIO	CAM_GPIO
CAM_FSNC	CAM_FSNC
CAM0_C_P	CAM0_C_P
CAM0_C_N	CAM0_C_N
CAM0_D1_P	CAM0_D1_P
CAM0_D1_N	CAM0_D1_N
CAM0_D0_P	CAM0_D0_P
CAM0_D0_N	CAM0_D0_N
CAM0_SCL	CAM0_SCL
CAM0_SDA	CAM0_SDA
MIPI_3V3	MIPI_3V3

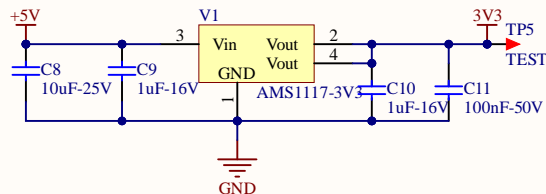
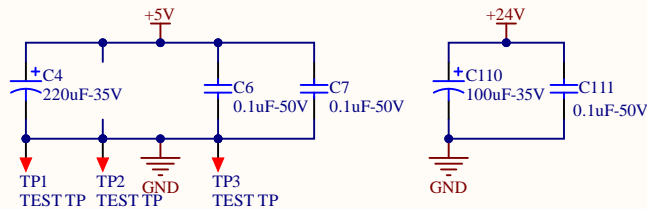


备用

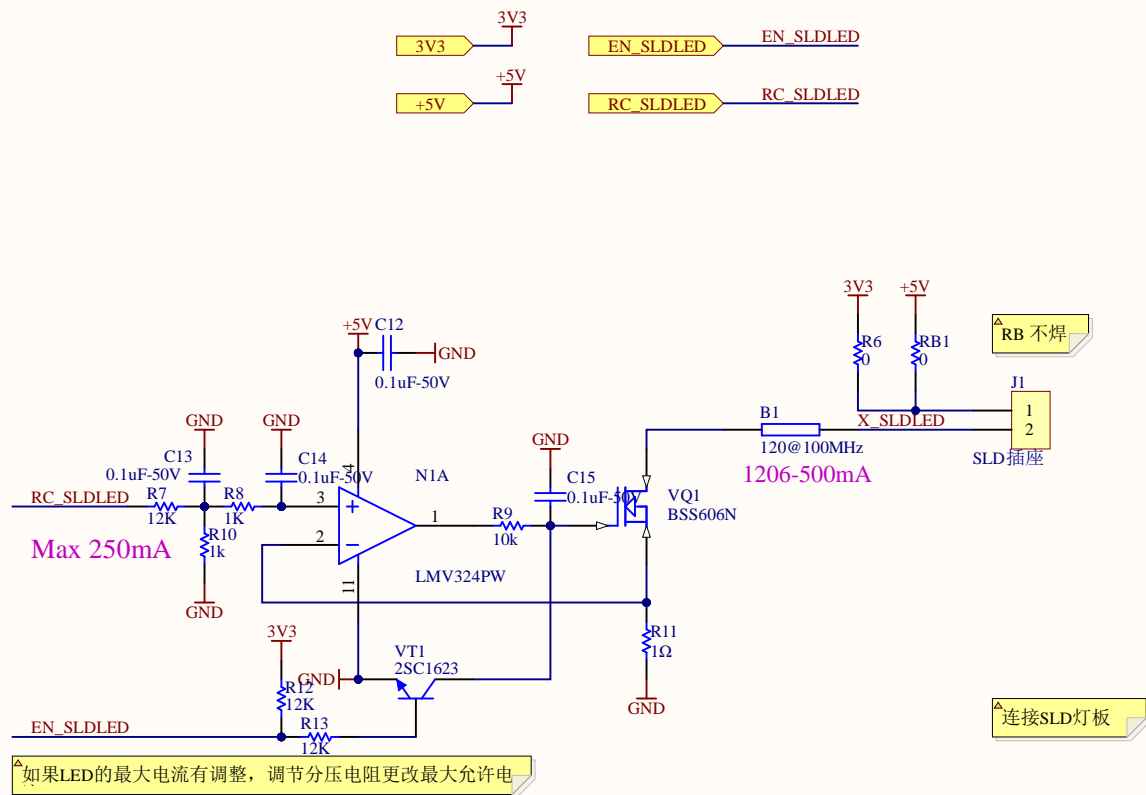
台湾灿达: A1001WR-S-2X08PD01



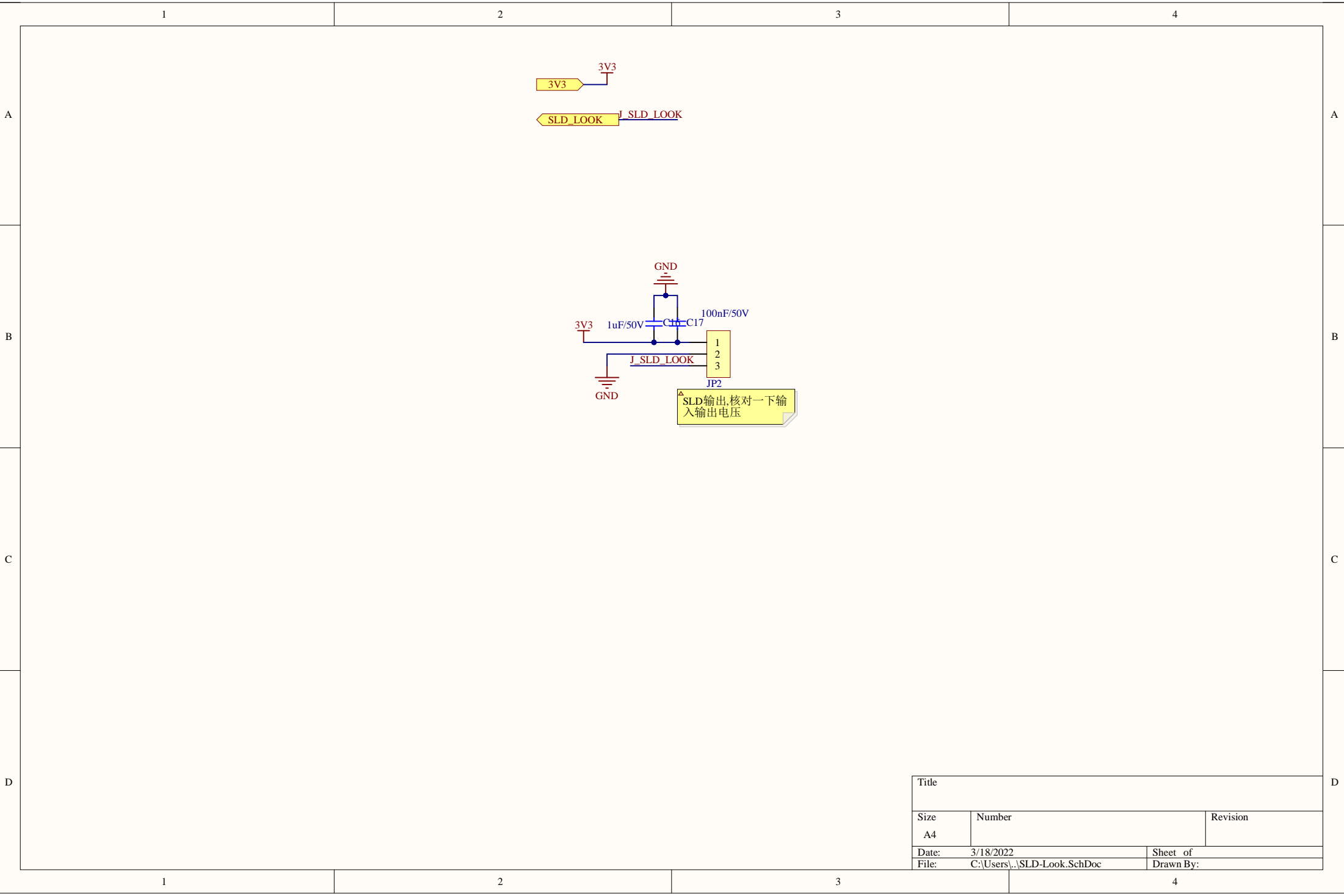
MIPI可以考虑用TYPE C进行传输

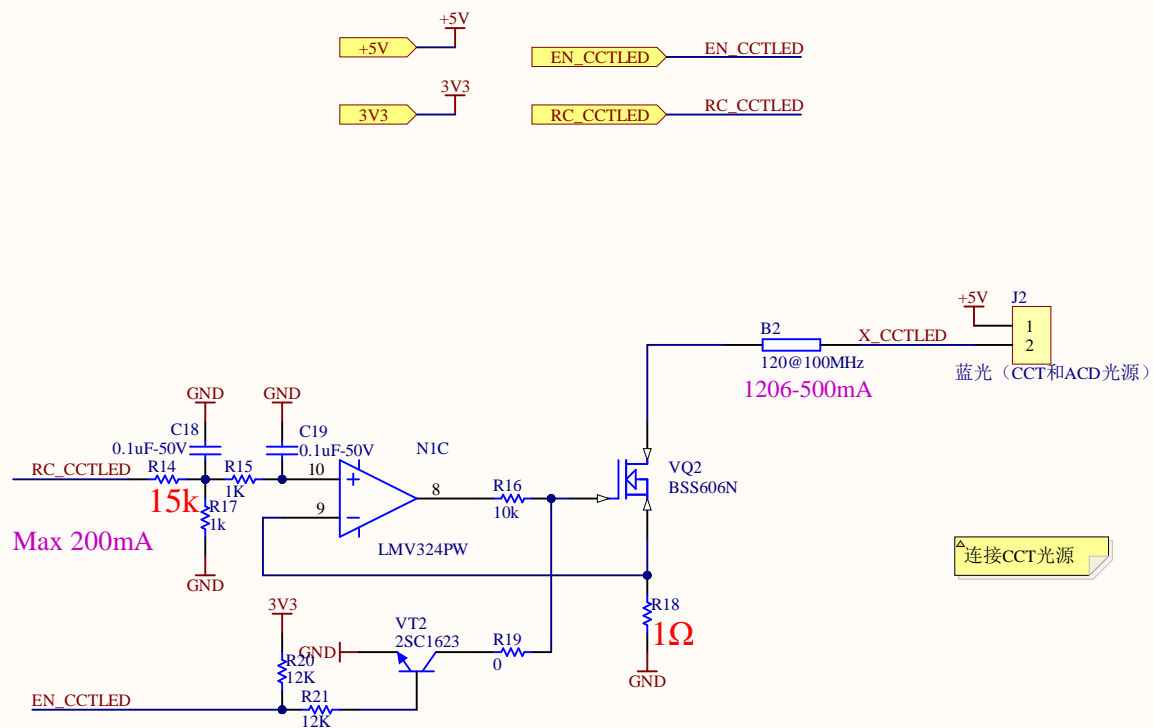


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A4		
Date:	3/18/2022	Sheet of
File:	C:\Users\...\COM.SchDoc	Drawn By:



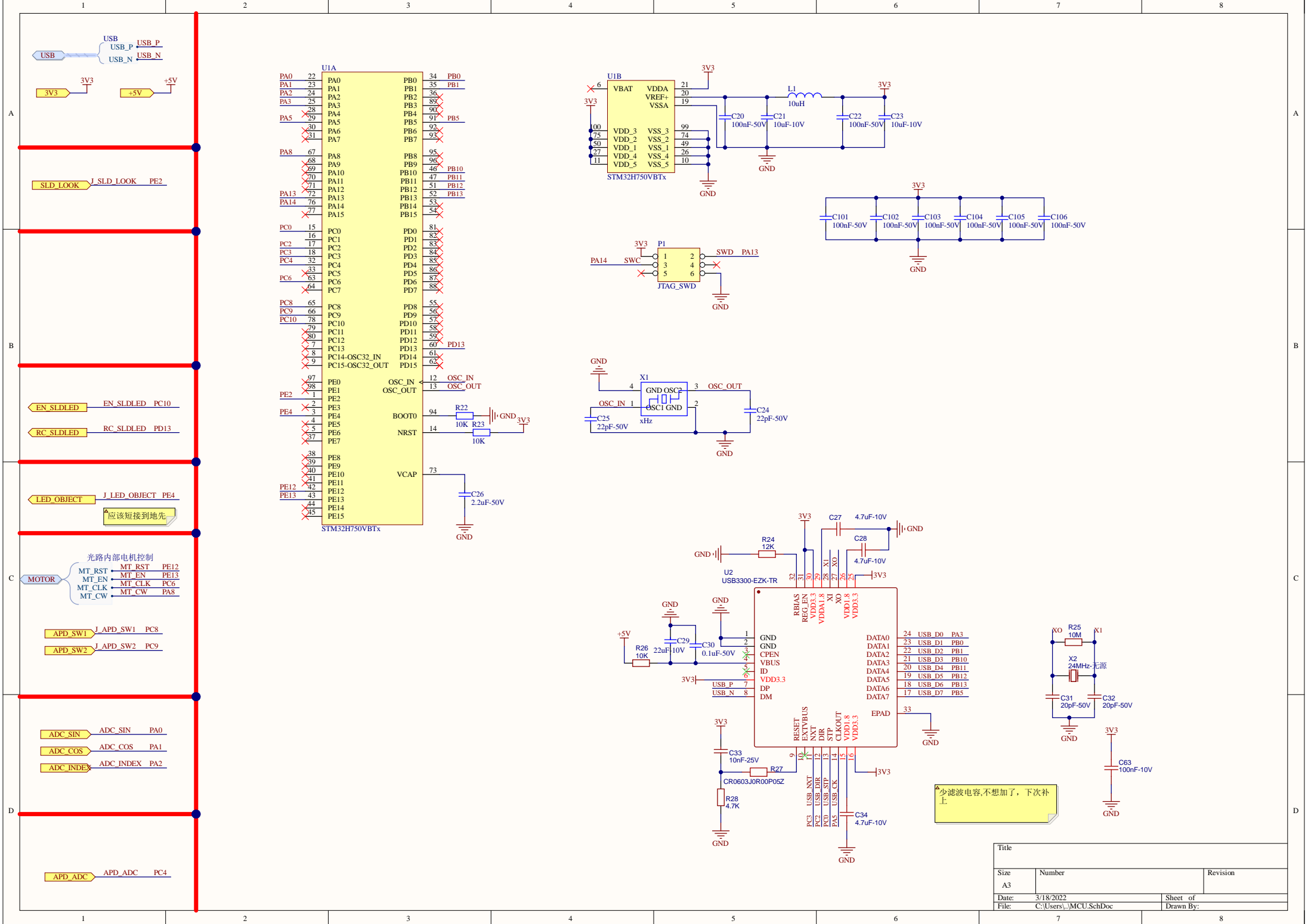
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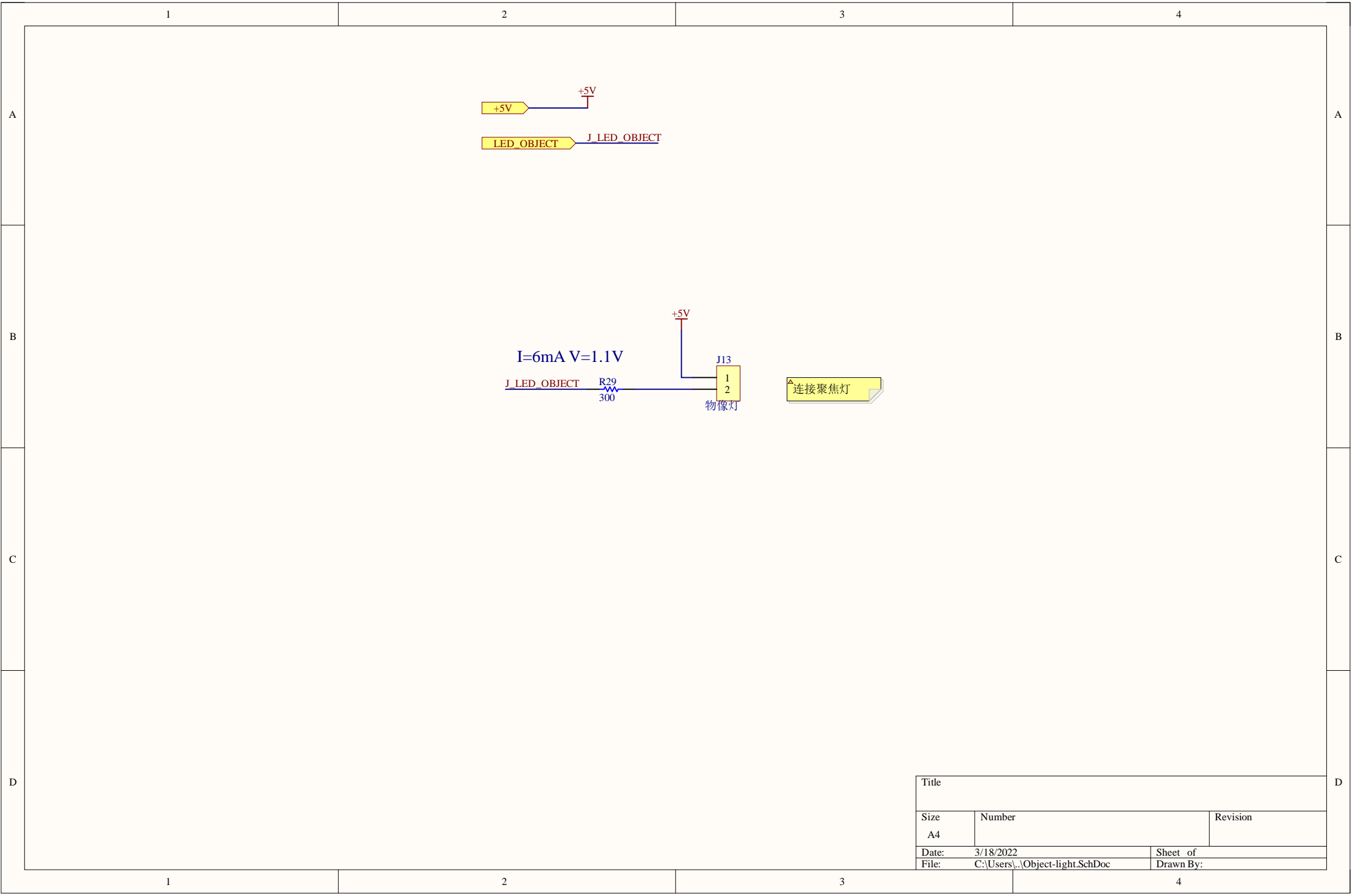


如果LED的最大电流有调整，调节分压电阻更改最大允许电

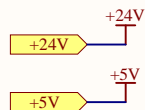
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A4		
Date:	3/18/2022	Sheet of
File:	C:\Users\...\CCT.SchDoc	Drawn By:



Title		
Size	Number	Revision
A3		
Date:	3/18/2022	Sheet of
File:	C:\Users\...\MCU.SchDoc	Drawn By:



Title		
Size	Number	Revision
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Date:	3/18/2022	Sheet of
File:	C:\Users\...\Object-light.SchDoc	Drawn By:



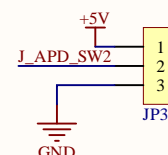
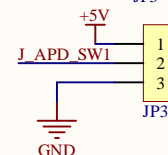
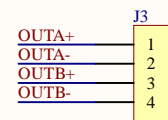
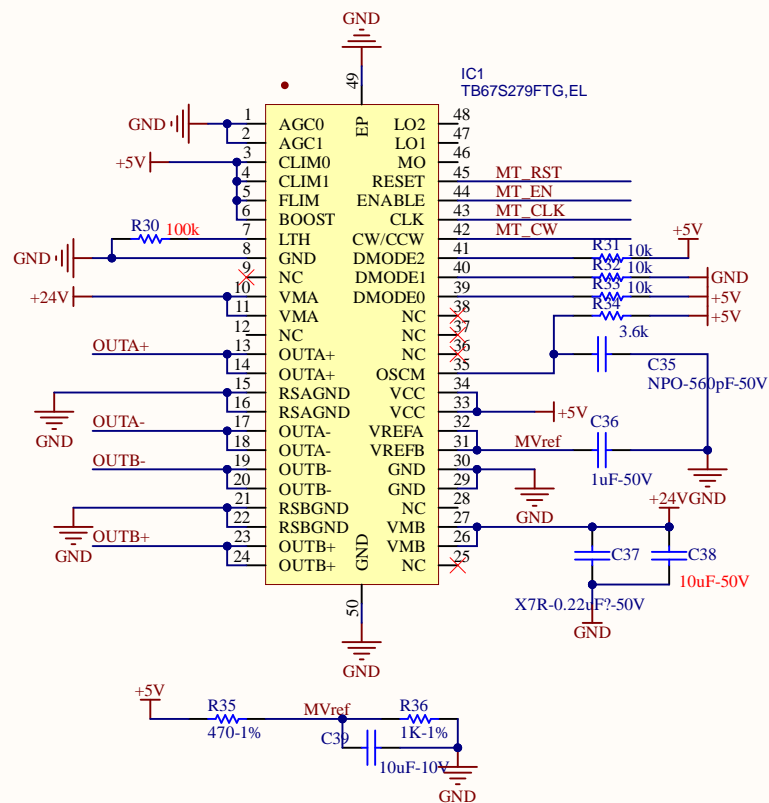
MOTOR

光路内部电机控制



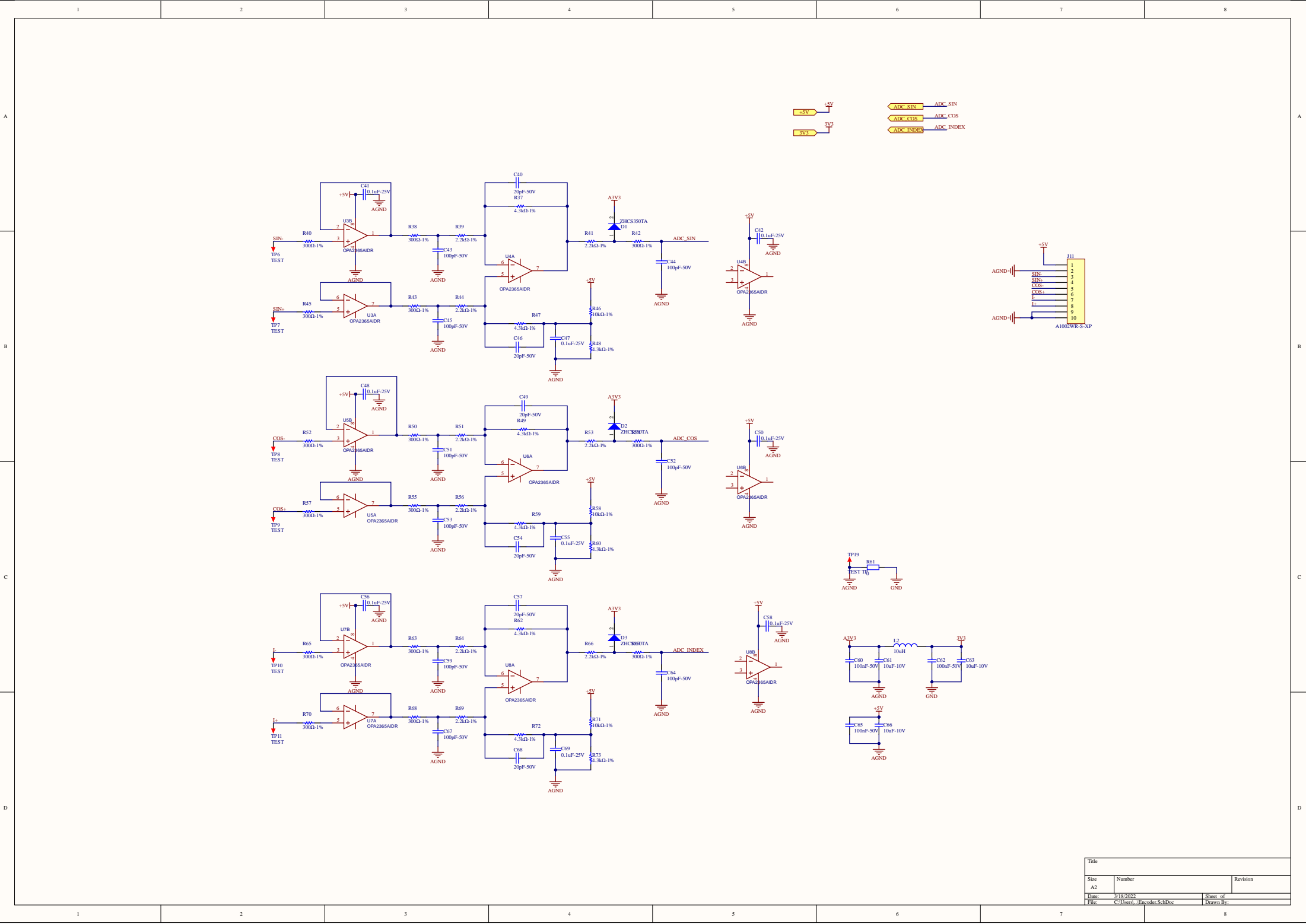
APD\_SW1 J\_APD\_SW1

APD\_SW2 J\_APD\_SW2

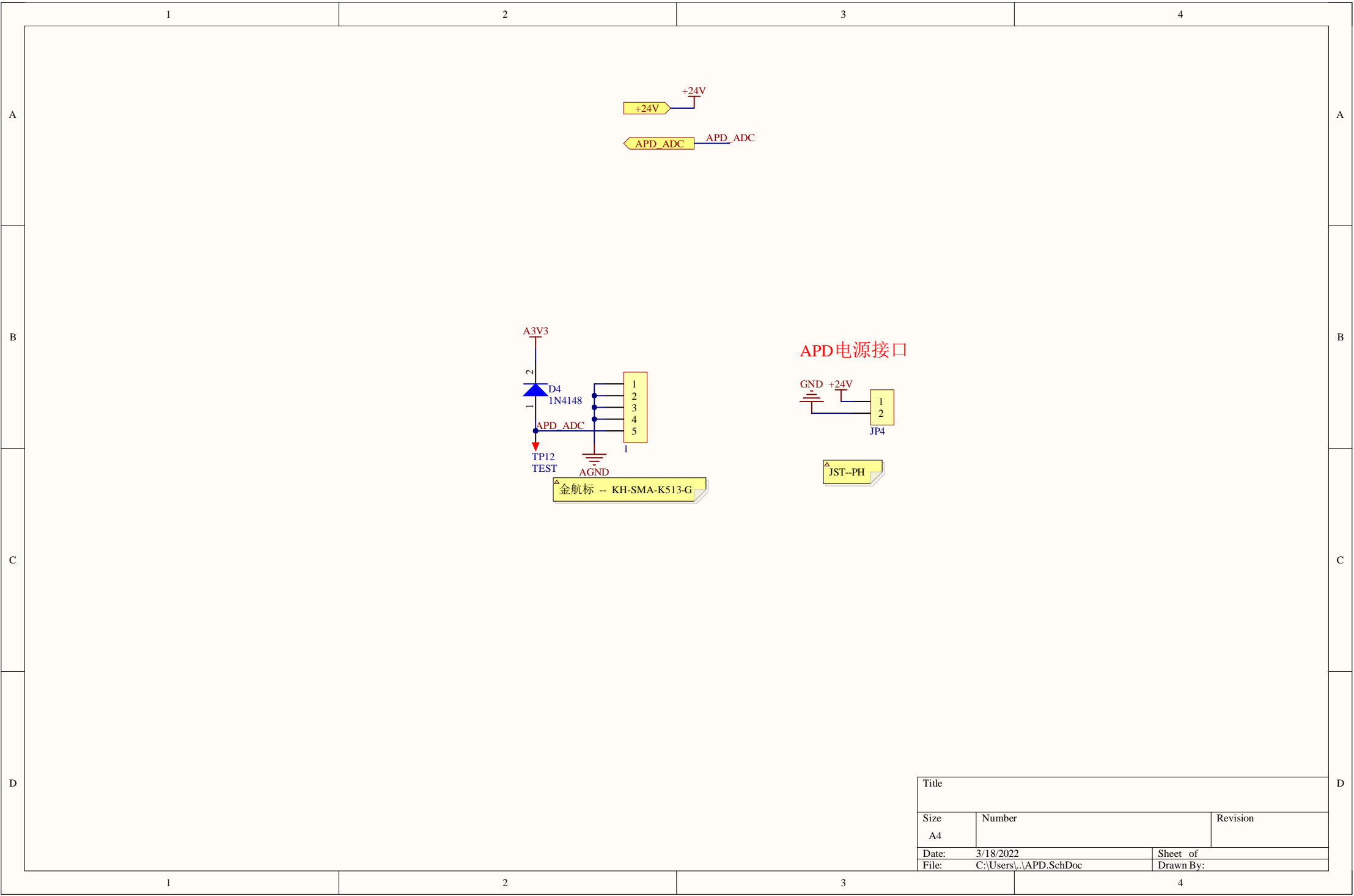


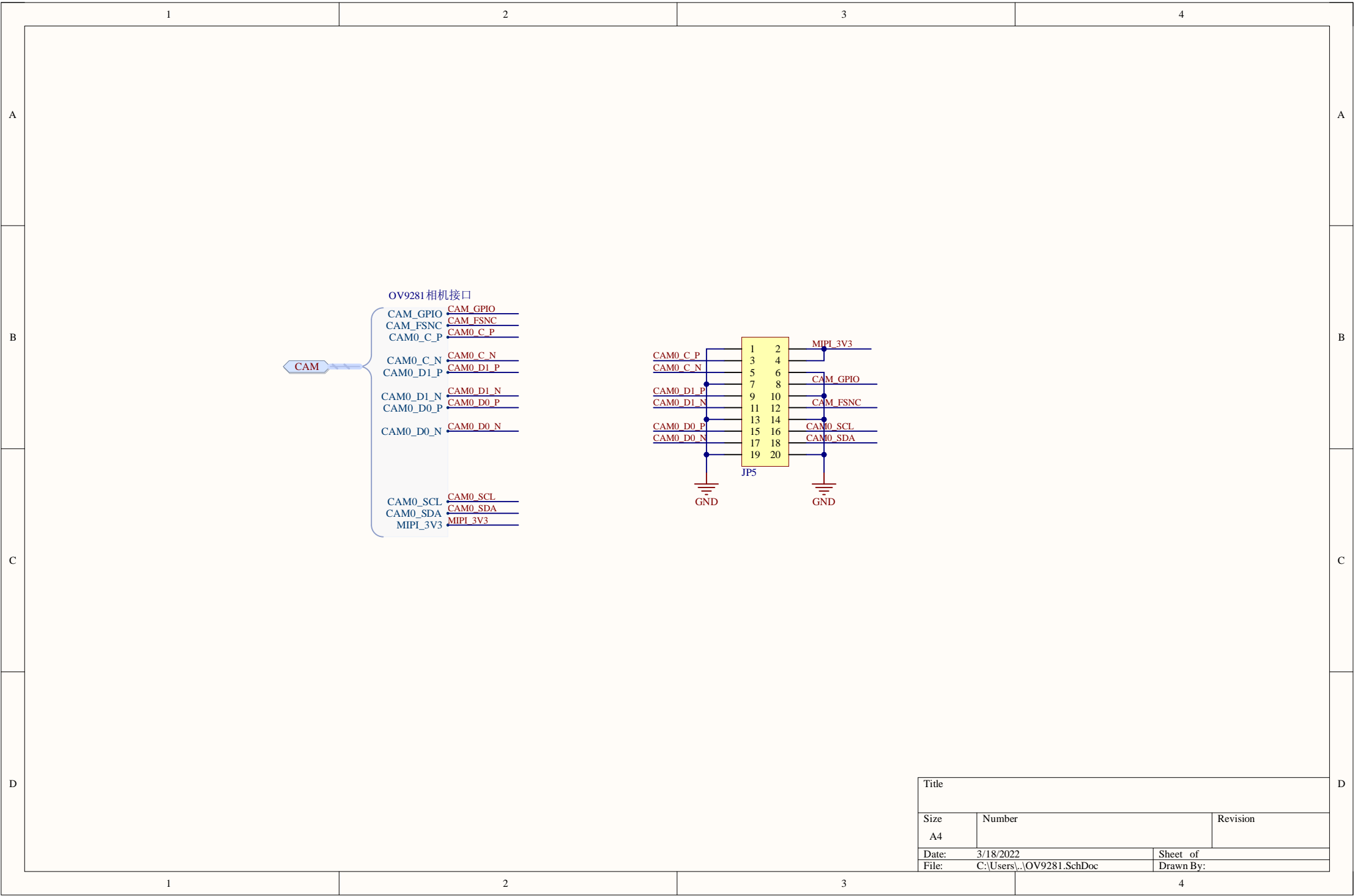
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Title		
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Title		
Size	Number	Revision
A4		
Date:	3/18/2022	Sheet of
File:	C:\Users\...\OV9281.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
HDR-1X5	5P接插件	J1	KH-SMA-K513-G	Header 5	1
120#100MHz		B1, B2	R 1206	RES2	2
10uF-10V 10%	无极性贴片电容	C1	C 0603	C	1
100pF-25V	Capacitor	C2, C3	C 0603	Cap	2
220uF-35V	Polarized Capacitor (Radial)	C4	RUBYCON100UF50V 220UF35V	Cap Pol1	1
0.1uF-50V	无极性贴片电容, [NoValue] Capacitor	C6, C7, C12, C13, C14, C15, C18, C19, C39	C 0603	C, CAP	9
10uF-25V	无极性贴片电容	C8	C 0603	C	1
1uF-16V	无极性贴片电容	C9, C10	C 0603	C	2
100nF-50V	无极性贴片电容	C11, C20, C22, C60, C62, C65, C101, C102, C103, C104, C105, C106	C 0603	C	12
1uF/50V	无极性贴片电容	C16	C 0603	C	1
100nF/50V	无极性贴片电容	C17	C 0603	C	1
10uF-10V	无极性贴片电容	C21, C23, C61, C63, C66	C 0603	C	5
22pF-50V	无极性贴片电容	C24, C25	C 0603	C	2
2.2uF-50V	无极性贴片电容	C26	C 0603	C	1
4.7uF-10V		C27, C28, C34	C 0603	4.7uF	3
22uF-10V	无极性贴片电容	C29	C 0805	C	1
20uF-50V		C31, C32	C 0603	20uF	2
10nF-25V		C33	C 0603	10nF	1
NPO-560pF-50V		C35	C 0603	CAP	1
1uF-50V		C36	C 0805	CAP	1
4.7R-0.22uF7-50V		C37	C 0805	CAP	1
10uF-50V		C38	C 1206	CAP	1
10uF-10V		C39	C 0805	CAP	1
20pF-50V		C40, C46, C49, C54, C57, C68	C 0402	CAP	6
0.1uF-25V		C41, C42, C47, C48, C50, C55, C56, C58, C69	C 0402	CAP	9
100pF-50V		C43, C44, C45, C51, C52, C53, C59, C64, C67	C 0402	CAP	9
100nF-10V		C63	C 0603	4.7uF	1
100uF-35V	Polarized Capacitor (Radial)	C110	贴片电解 RUBYCON100UF35V	Cap Pol1	1
0.1uF-50V	无极性贴片电容	C111	C 0805	C	1
ZHCS3501A	High Conductance Fast Diode	D1, D2, D3	SOD-123	Diode 1N4148	3
1N4148	High Conductance Fast Diode	D4	SOD-123	Diode 1N4148	1
HDMI	讯普HDMI mir，需立创像生C720619	HDMI1	HDMI-micro	HDMI-mir	1
TB67S279FTG.EL		IC1	VQFN-48	TB67S279FTG.EL	1
SLD插座	Connector	J1	B28-ZR-SM4-TFLFJ(SN)	CON2	1
蓝光 (CCT和ACD光源)	Connector	J2	B28-ZR-SM4-TFLFJ(SN)	CON2	1
IP3	Connector	J3	B48-ZR-SM4-TFLFJ(SN)	CON4	1
A1002WR-S-XP	Header, 10-Pin	J11	A1002WR-S-10P	Header 10	1
图像灯	Connector	J13	B28-ZR-SM4-TFLFJ(SN)	CON2	1
Header BX2	8*2P接插件	JP1	A1001WR-S-2X08PD01	Header BX2	1
HDR-1X3	3P接插件	JP2, JP3-1, JP3-2	B38-ZR-SM4-TFLFJ(SN)	Header 3	3
HDR-1X2	2P接插件	JP4	S28-PH-SM4-TB	Header 2	1
Header 2X10	10*2P接插件	JP5	A1001WR-S-2X10PD01	Header 10X2	1
10uH	小功率贴片电感	L1, L2	L 0805	L	2
LMV324PW		N1	TSSOP14 L	LM124	1
JTAG_SWD		P1	IDC-6-2.0MM	HEADER 3X2	1
200	贴片电阻	R1	R 0603	R	1
5.1K	贴片电阻	R2, R3	R 0603	R	2
100	Resistor	R4, R5	R 0603	Res1	2
0	Resistor	R6, R19, RB1	R 0603	Res1	3
12K	Resistor, [NoValue]	R7, R12, R13, R20, R21, R24	R 0603	Res1, 12K	6
1K	Resistor	R8, R10, R15, R17	R 0603	Res1	4
10k	Resistor, 贴片电阻, [NoValue]	R9, R16, R22, R23, R26, R31, R32, R33	R 0603	Res1, R, 10K	8
10	Resistor	R11, R18	R 1206	Res1	2
15k	Resistor	R14	R 0603	Res1	1
10M		R25	R 0603	10M	1
CRO403J0R00P05Z		R27	R 0603	CRO403J0R00P05Z	1
4.7K		R28	R 0603	4.7K	1
300	Resistor	R29	0805	Res1	1
100k	Resistor	R30	R 0603	Res1	1
3.6k	Resistor	R34	R 0603	Res1	1
170-1%	Resistor	R35	R 0603	Res1	1
1K-1%	Resistor	R36	R 0603	Res1	1
4.3KQ-1%	Resistor	R37, R47, R48, R49, R59, R60, R62, R72, R73	R 0402	Res1	9
300Q-1%	Resistor	R38, R40, R42, R43, R45, R50, R52, R54, R55, R57, R63, R65, R67, R68, R70	R 0402	Res1	15
2.2kQ-1%	Resistor	R39, R41, R44, R51, R53, R56, R64, R66, R69	R 0402	Res1	9
10kQ-1%	Resistor	R46, R58, R71	R 0402	Res1	3
0	贴片电阻	R61	R 0805	R	1
TEST TP	测试点	TP1, TP2, TP3, TP19	TEST-RING	TEST TP	4
TEST	测试点	TP5	TEST 1	TEST	1
TEST	测试点	TP6, TP7, TP8, TP9, TP10, TP11, TP12	TEST 0.72	TEST	7
STM32H750VBTx		U1	LQFP100 14x14 N	STM32H750VBTx	1
USB3300-EZK-TR		U2	QFN32 5x5 M	USB3300-EZK-TR	1
OPA2365AIDR		U3, U4, U5, U6, U7, U8	SOIC-8	OPA2365AIDR	6
USB-C	USB-C型母接口	U51	USB-C/S A	USB-C/S	1
AMS1117-3V3	三端稳压芯片	VB1	SOT223 L	AMS1117	2
BSS669N		VO1, VO2	SOT-89	NC39FET N	1
ZSC1623	NPN General Purpose Amplifier	VT1, VT2	SOT-23	NPN	2
kHz	四脚无源晶振, 1.3 时钟引脚	X1	SMD_3225-4P	4脚无源晶振	1
24MHz-无源		X2	SMD_5032-2P	24MHz	1