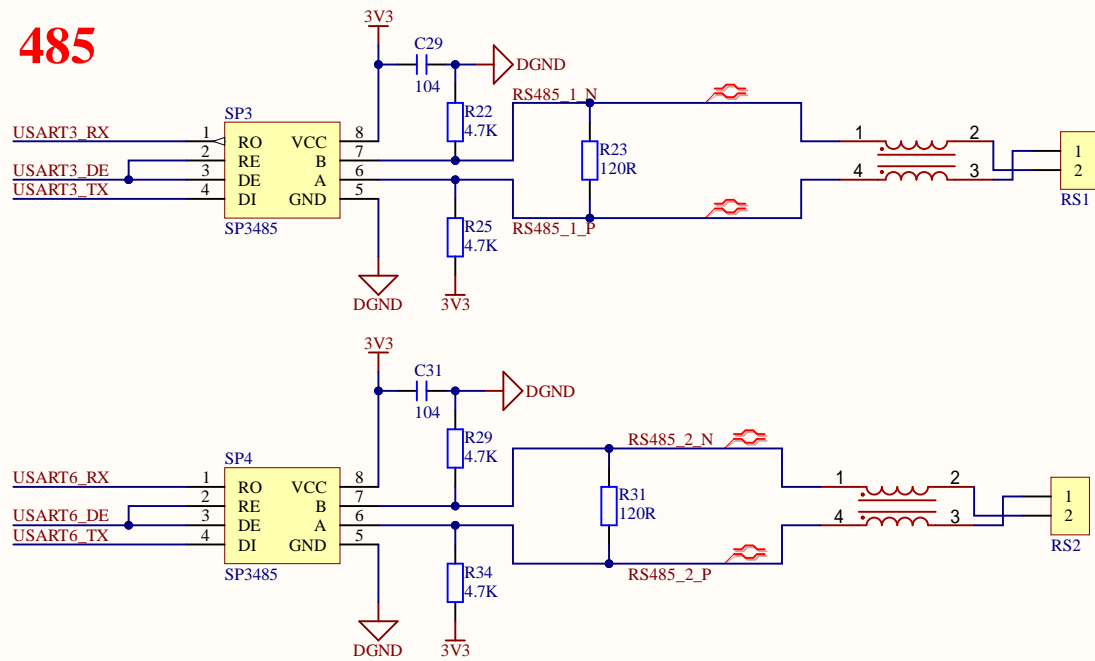
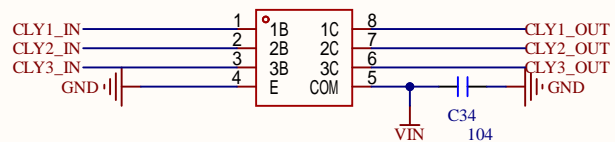
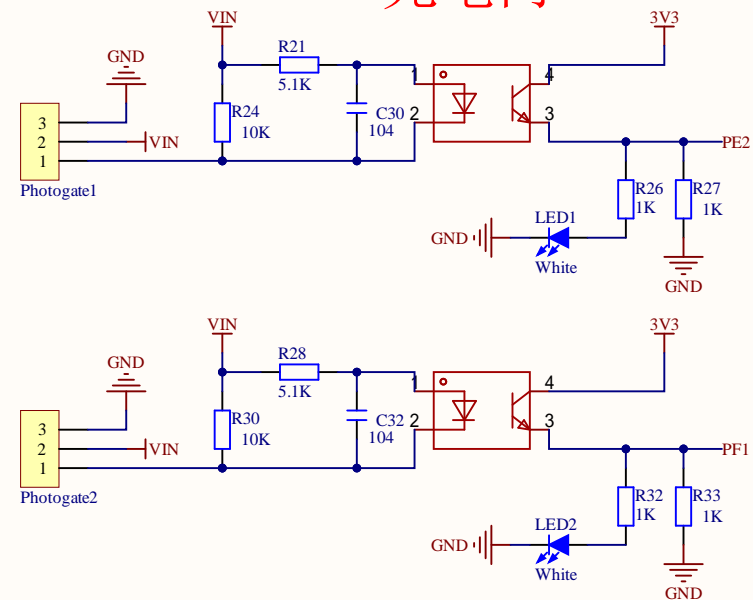


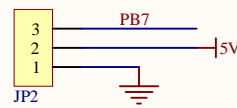
485



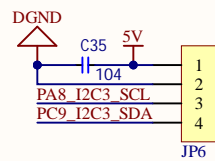
光电门



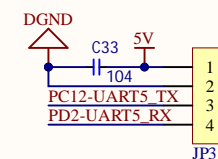
灯板口



I2C



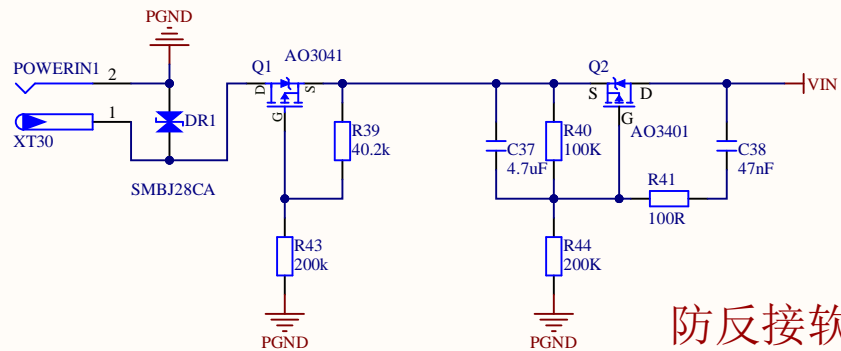
串口



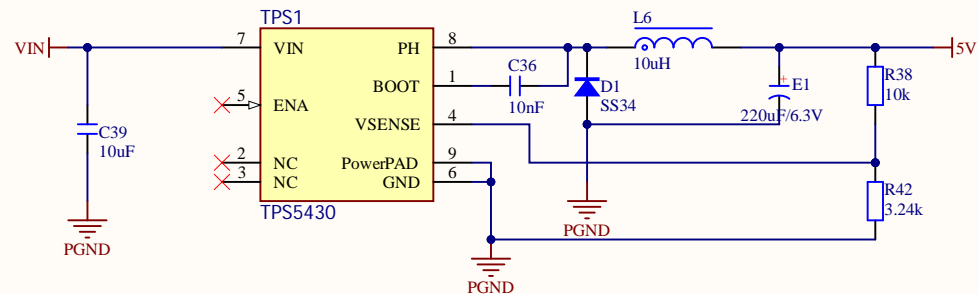
电磁阀

PWM

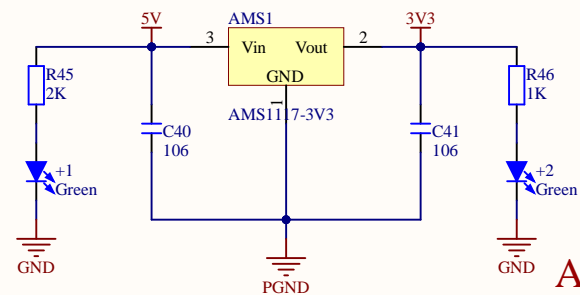
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Size: A4	Number: 3	Revision: V1.1	Author: Camellia		
Date: 2025/3/11		Time: 22:15:50			
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防反接软启动



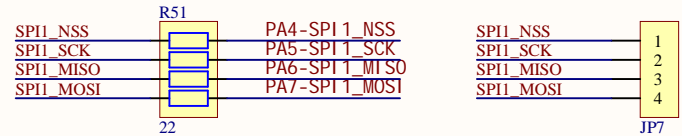
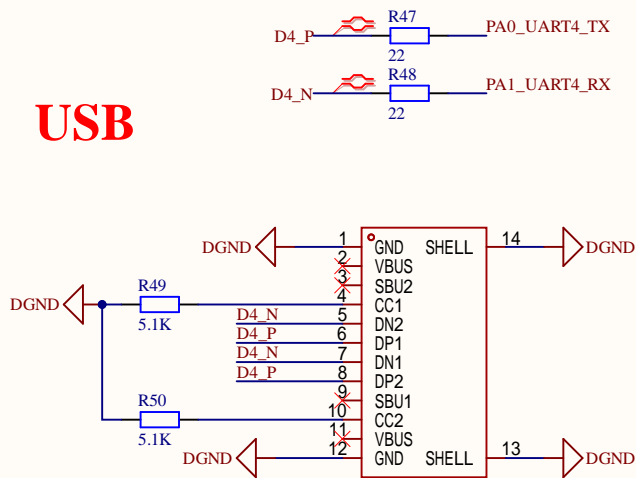
TPS5430



AMS1117

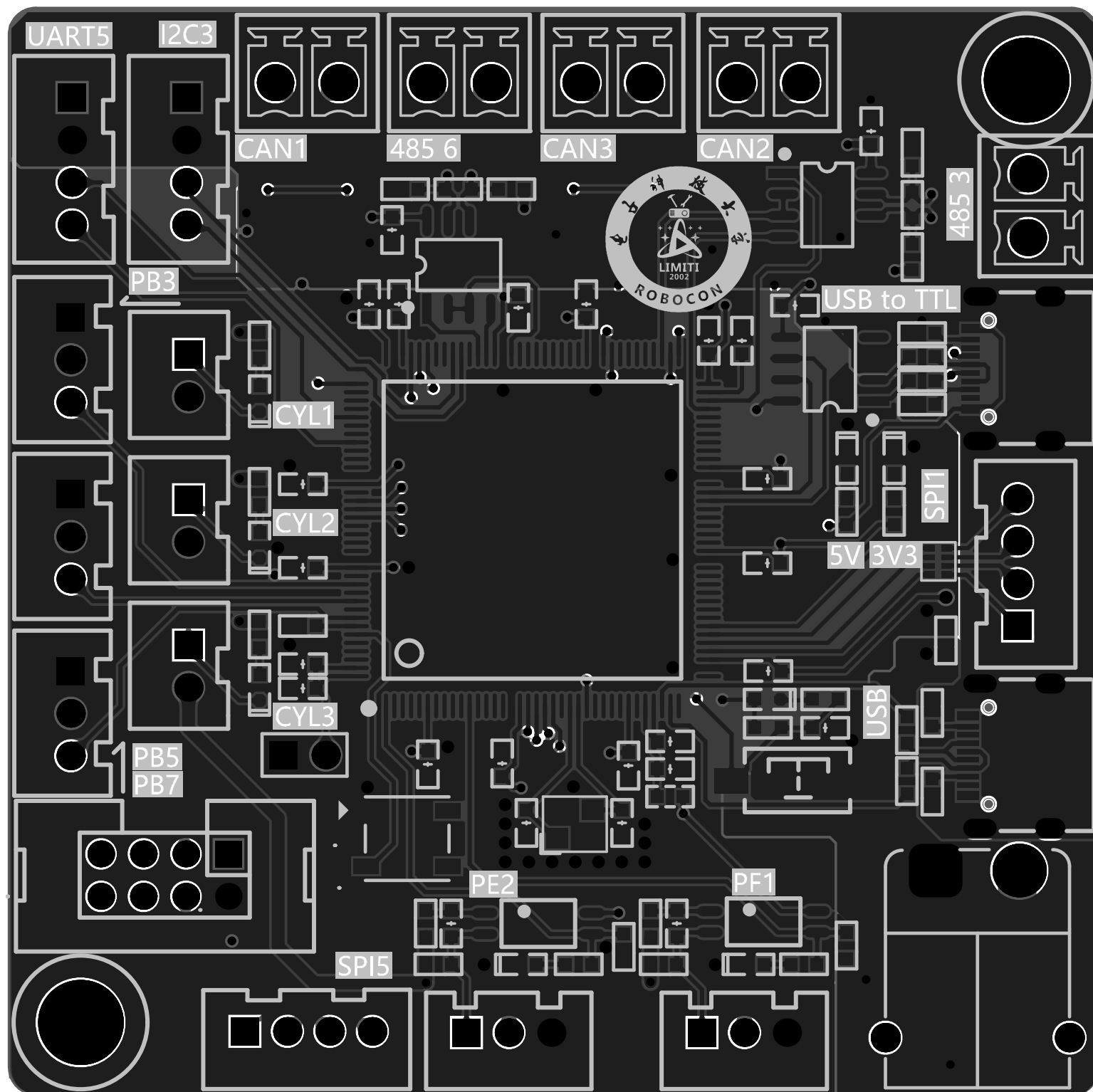
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USB



SPI

Title		
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A4		
Date:	3/11/2025	Sheet of
File:	G:\RC2025\...\COMMUNICATION(3).Sch Drawn By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
Green	贴片LED	+1, +2	LED 0603G	LED-SMD	2
AMS1117-3V3	三端稳压器芯片	AMS1	SOT89_L	AMS1117	1
105	无极性贴片电容	C1	C 0603_L	C	1
103	无极性贴片电容	C2	C 0603_L	C	1
104	无极性贴片电容	C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C23, C25, C27, C28, C29, C30, C31, C32, C33, C34, C35	C 0603_L	C, C_无极贴片	26
2.2uF	无极性贴片电容	C18	C 0603_L	C	1
22pF	无极性贴片电容	C19, C20	C 0603_L	C	2
100nF	无极性贴片电容	C21	C 0603_L	C	1
1nF	无极性贴片电容	C22, C24, C26	C 0603_L	C	3
10nF	无极性贴片电容	C36	C 0603_L	C	1
4.7uF	无极性贴片电容	C37	C 0603_L	C	1
47nF	无极性贴片电容	C38	C 0603_L	C	1
10uF	无极性贴片电容	C39	C 1206_M	C	1
106	无极性贴片电容	C40, C41	C 0603_L	C	2
HDR-1X2	2P接插件	CAN1, CAN2, CAN3, RS1, RS2	CONN-TH_WJ15EDGVC-3.81-2P	Header 2	5
HDR-1X2	2P接插件	CLY1, CLY2, CLY3	XH2.54-LI-2P	Header 2	3
SS34	肖特基二极管	D1	SMA	SS34	1
Header 4X2	4*2P接插件	DEBUG1	IDC2.54-LI-2x4P	Header 4X2	1
SMBJ28CA	瞬态电压抑制二极管	DR1	SMB	DR	1
220uF/6.3V	贴片钽电容	E1	CD B(3528)	C-CD	1
HDR-1X2	2P接插件	JP1	HDR2.54-LI-2P	Header 2	1
HDR-1X3	3P接插件	JP2, JP4, JP5	XH2.54-LI-3P	Header 3	3
HDR-1X4	4P接插件	JP3, JP6, JP7, JP8	XH2.54-LI-4P	Header 4	4
DLW32SH101XF2L		L1, L2, L3, L4, L5	FILTER-SMD_4P-L3.2-W2.5-BL_DLW32SH510XK2_L	DLW32SH101XF2L	5
10uH	NR磁胶电感	L6	NR6045	L-NR	1
120R@100MHz	磁珠	LB1	FB 0603_L	LB	1
White	贴片LED	LED1, LED2	LED 0603R	LED-SMD	2
Blue	贴片LED	LED3, LED4, LED5	LED 0603B	LED-SMD	3
Comment	3P接插件	Photogate1, Photogate2	XH2.54-LI-3P	Header 3	2
XT30	电源接口	POWERIN1	XT30PW-M	XT电源接口-2Pins	1
AO3401	P沟道 30V/4.2A	O1	SOT23-3L	AO3401	1
AO3401	P沟道 30V/4.2A	O2	SOT23-3L	AO3401	1
10K	贴片电阻	R1, R3, R4, R5, R24, R30, R38	R 0603_L	R	7
1K	贴片电阻	R2, R8, R11, R13, R16, R18, R20, R26, R27, R32, R33, R46	R 0603_L	R	12
0	贴片电阻	R6, R7	R 0603_L	R	2
120	贴片电阻	R9, R15, R19	R 0603_L	R	3
22	贴片电阻	R10, R12, R47, R48	R 0603_L	R	4
5.1K	贴片电阻	R14, R17, R21, R28, R49, R50	R 0603_L	R	6
4.7K	贴片电阻	R22, R25, R29, R34	R 0603_L	R	4
120R	贴片电阻	R23, R31	R 0603_L	R	2
20K	贴片电阻	R35, R36, R37	R 0603_L	R	3
40.2k	贴片电阻	R39	R 0603_L	R	1
100K	贴片电阻	R40	R 0603_L	R	1
100R	贴片电阻	R41	R 0603_L	R	1
3.24k	贴片电阻	R42	R 0603_L	R	1
200k	贴片电阻	R43, R44	R 0603_L	R	2
2K	贴片电阻	R45	R 0603_L	R	1
22	贴片网络排阻	R51, R52	RCA-8P4R-0402	R-8P4R	2
orange	贴片LED	RESET1	LED 0603R	LED-SMD	1
M3铜柱	铜柱	SP1, SP2	M3x4_L	铜柱小焊盘	2
SP3485	RS485总线收发芯片	SP3, SP4	SOP8_N	SP3485	2
3x6x5	3x6轻触开关	SW1	TSW SMD-3*6*2.5	TSW 3x6	1
TPS5430	5.5V to 36V Input, 3A, 500kHz Step-Down Converter 8-SO PowerPAD 0 to 0	TPS1	ESOP8_N	TPS5430DDA_1	1
WS2812	Intelligent Control LED Integrated Light Source, 3.5 to 5.3 V, -25 to 80 degC, 4-Pin SMD, RoHS, Bulk	U1	WS2812B_B	WS2812	1
STM32H723ZGT6		U2	LOFP144 20X20_L	STM32H723ZGT6	1
MAX3051EKA	CAN 1Mbps Shutdown/Standby 3.3V 8-Pin SOT-23 T/R	U3, U4, U5	Texas_Instruments_DCN0008A_IPC_C	MAX3051EKA	3
CH340N		U6	SOP8_N	CH340N	1
EL3H7(C)(TA)-VG		U7, U8	OPTO-SMD-4_L4.4-W2.7-P1.27-LS7.0-TL	EL3H7(C)(TA)-VG	2
ULN2001D(UMW)		U9	SOP8	ULN2001D(UMW)	1
TYPE-C 16PIN 2MD(073)		USB-TTL1, USB-TTL2	USB-C-SMD_TYPE-C-6PIN-2MD-073	TYPE-C 16PIN 2MD(073)	2
25M	4脚无源晶振	X1	OSC 3225-4P	XTAL-4P	1