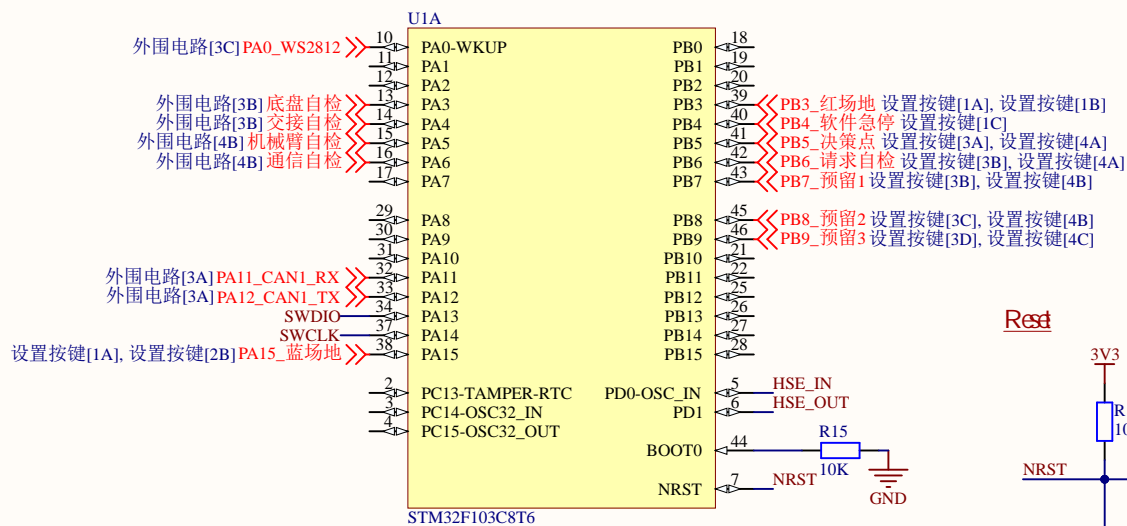


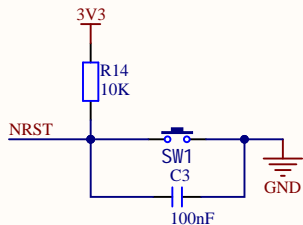
Title <b>設置按键</b>		
Size: <b>A4</b>	Number: *	Revision: *
Date: <b>2024/6/14</b>	Time: <b>23:39:14</b>	Sheet <b>1</b> of <b>3</b>
File: <b>D:\Robocon 电路工程合集\R2設置按键_設置按键.SchDoc</b>		



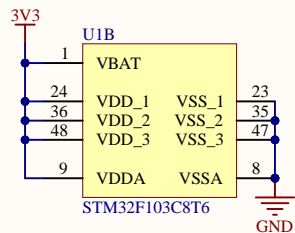
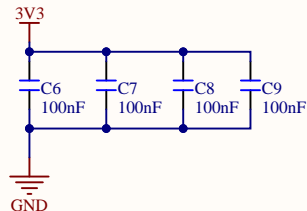
## STM32G431CBU6



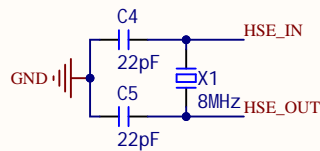
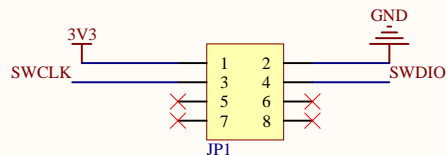
## Reset



## 滤波电容



## 下载&amp;Debug



Title 主控芯片

Size: A4

Number:\*

Revision:\*

Date: 2024/6/14

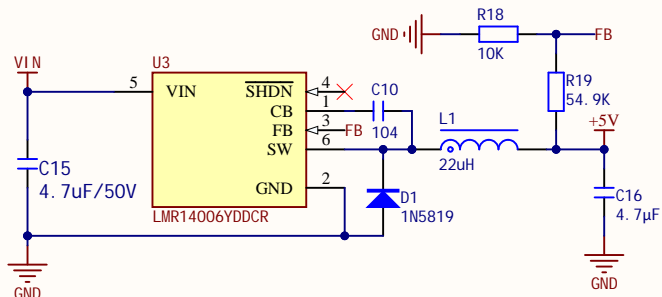
Time: 23:39:14

Sheet 2 of 3

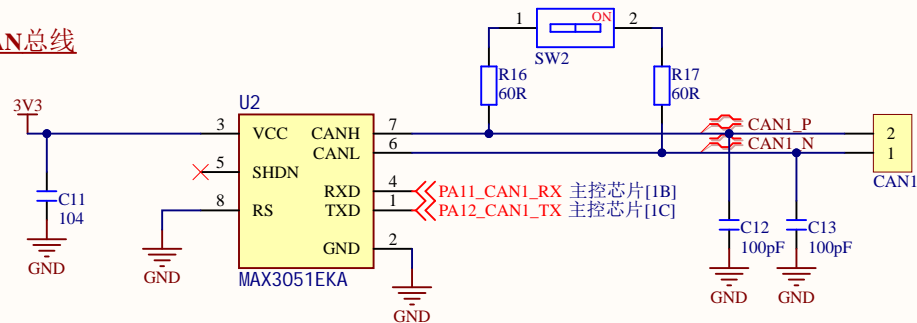
File: D:\Robocon\电路工程合集\R2设置按键\主控芯片.SchDoc

Altium  
Making Electronics Design Easier™

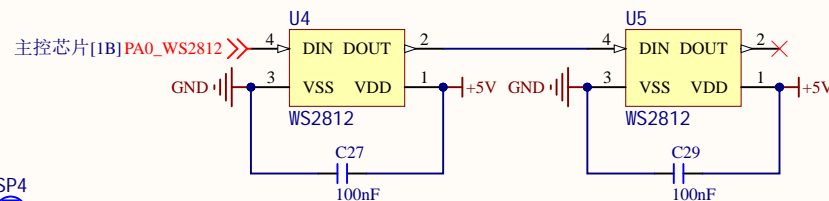
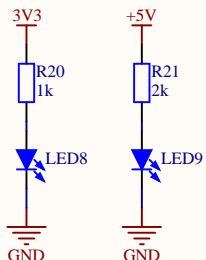
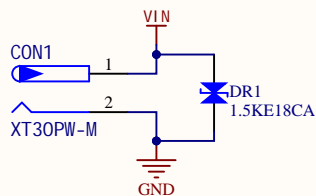
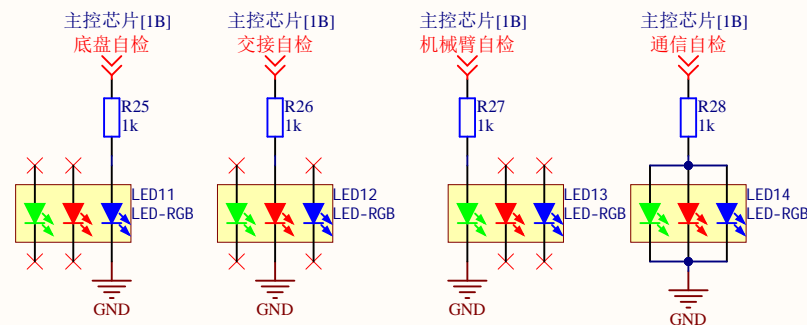
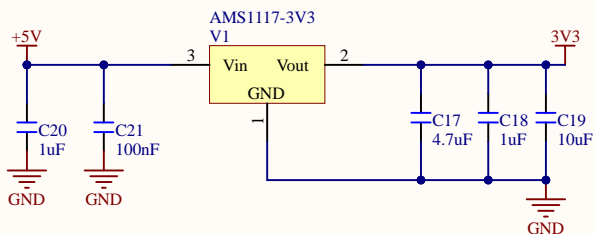
### VIN转5V



### CAN总线



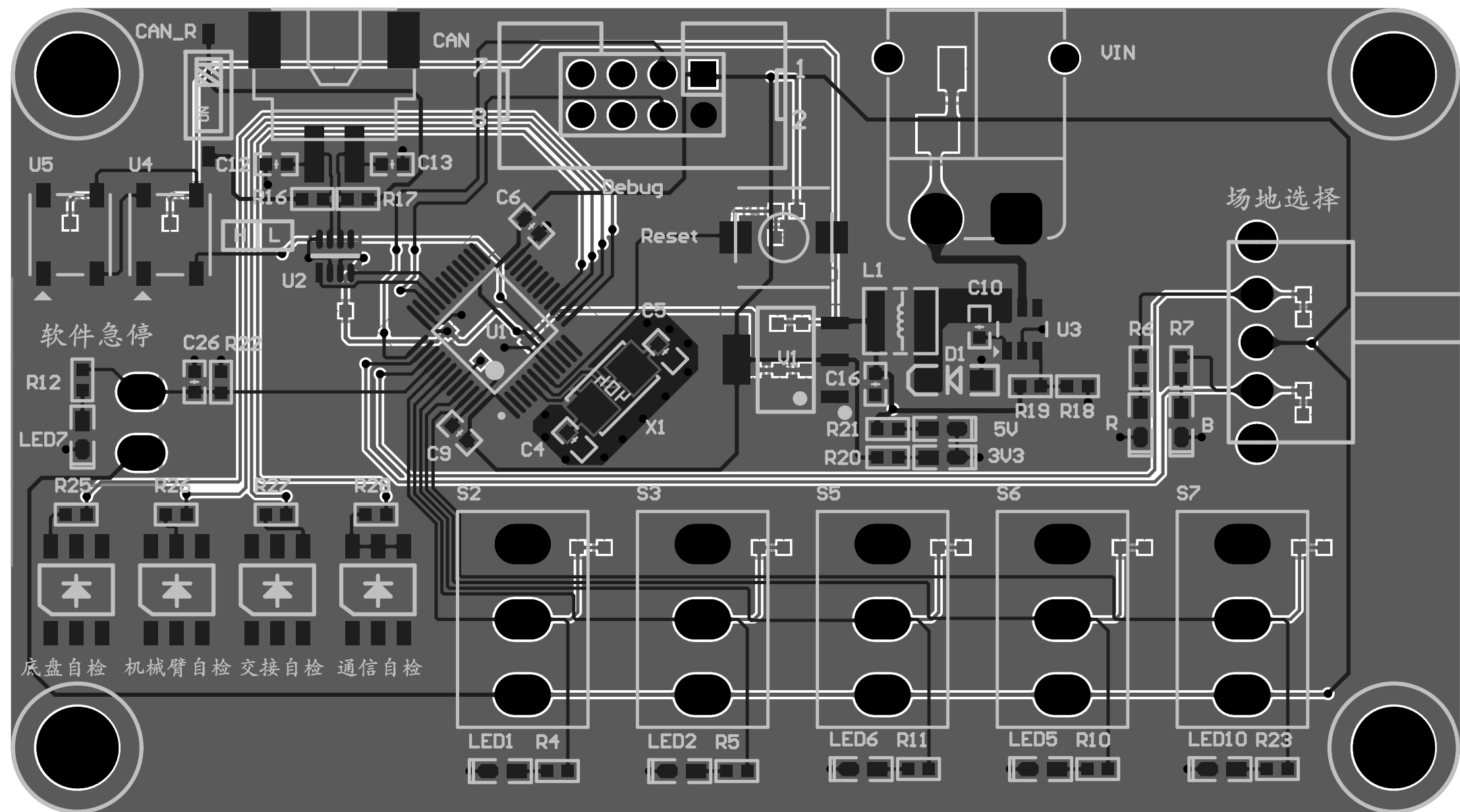
### 5V转3V3



### 外围电路

Size: A4	Number:*	Revision:*
Date: 2024/6/14	Time: 23:39:14	Sheet 3 of 3
File: D:\Robocon\电路工程合集\R2设置按键\外围电路.SchDoc		





Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	贴片电容	C1, C2, C3, C6, C7, C8, C9, C21, C22, C23, C24, C25, C26, C27, C28, C29	C 0603_L	C	16
22pF	无极性贴片电容	C4, C5	C 0603_L	C	2
104	无极性贴片电容, 贴片电容	C10, C11	C 0603_L	C	2
100pF	贴片电容	C12, C13	C 0603_L	C	2
4.7uF/50V	无极性贴片电容	C15	C 1210_L	C_1	1
4.7uF	无极性贴片电容	C16	C 0603_L	C	1
4.7uF	贴片电容	C17	C 0603_L	C	1
1uF	贴片电容	C18, C20	C 0603_L	C	2
10uF	贴片电容	C19	C 0603_L	C	1
HDR-1X2	2P接插件	CAN1	XH2.54-WS-2P	Header 2	1
XT30PW-M	XT30PW-M PCB板专用卧式连接器, 低温升阻燃插头	CON1	XT30PW-M	XT30PW-M	1
1N5819	肖特基二极管	D1	SOD-123	1N5819	1
1.5KE18CA	瞬态电压抑制二极管	DR1	SMB	DR	1
Header 4X2	4*2P接插件	JP1	IDC2.54-LI-2x4P	Header 4X2	1
HDR-1X2	2P接插件	JP2	15EDGRM-02P-3.81mm	Header 2	1
22uH	NR磁胶电感	L1	NR4030	L-NR	1
红色	贴片LED	LED1, LED2, LED5, LED6, LED7, LED8, LED9, LED10	LED 0603W	LED-SMD	8
红色	贴片LED	LED3	LED 0603R	LED-SMD	1
红色	贴片LED	LED4	LED 0603B	LED-SMD	1
LED-RGB	三基色LED	LED11, LED12, LED13, LED14	LED 普亮5050	LED-RGB	4
1k	贴片电阻	R1, R2, R4, R5, R6, R7, R10, R11, R12, R20, R22, R23, R25, R26, R27, R28	R 0603_L	R	16
10k	贴片电阻	R3, R8, R9, R13, R14, R15, R18, R24	R 0603_L	R	8
60R	贴片电阻	R16, R17	R 0603_L	R	2
54.9K	贴片电阻	R19	R 0603_L	R	1
2k	贴片电阻	R21	R 0603_L	R	1
SS-12F23	1路波动开关	S1	SS-12F23	SSW-1P	1
MTS-10x	MTS10x系列3脚扭子开关	S2, S3, S5, S6, S7	MTS-10x	MTS-10x	5
M3铜柱	铜柱	SP1, SP2, SP3, SP4	M3x4_L	铜柱小焊盘	4
6x6x5	2脚贴片6x6无声硅胶轻触开关	SW1	TS 2PIN 6x6x4.8	TSW SMD-2Pin-6x6	1
SW-1P	1路编码开关	SW2	SW-SMD_DSHP01TSGER	SW-1P	1
STM32F103C8T6	STM32 ARM-based 32-bit MCU Performance Line with 64 kB Flash, 20 kB Internal RAM, -40 to +85度 Temperature, 48-Pin LQFP, Tray	U1	LOFP48_N	STM32F103C8T6	1
MAX3051EKA	CAN 1Mbps Shutdown/Standby 3.3V 8-Pin SOT-23 T/R	U2	Texas_Instruments_DCN0008A_IPC_C	MAX3051EKA	1
LMR14006YDDCR	SIMPLE SWITCHER ® 4-V to 40-V, 600-mA step-down converter with Low Iq 6-SOT-23-THIN -40 to 125	U3	Texas_Instruments_DDC0006A_0	LMR14006YDDCR	1
WS2812	Intelligent Control LED Integrated Light Source, 3.5 to 5.3 V, -25 to 80 degC, 4-Pin SMD, RoHS, Bulk	U4, U5	WS2812B_B	WS2812	2
AMS1117-3V3	三端稳压芯片	V1	SOT223_L	AMS1117	1
8MHz	2脚无源脚晶振	X1	OSC 5032-2P	XTAL-2P	1