

STM32F4神舟号_原理图_V2.0

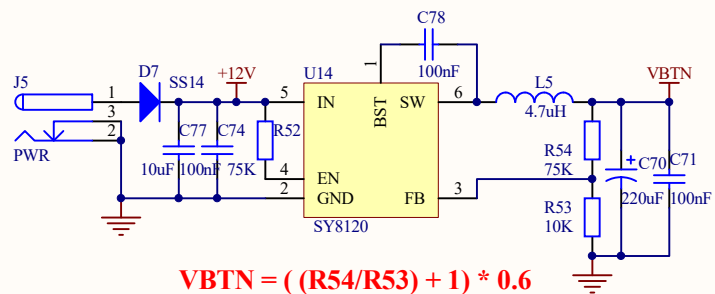
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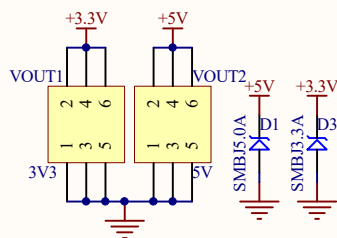
TitleSTM32F4神舟号_原理图			郑州精畅科技
SizeA4	Number	Revision	V2.0
Date:	2021-04-09	Sheet of	
File:	E:\STM32F4神舟号原理图\STM32F4神舟号原理图_V2.0.Dwg		

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A	历史版本			A																									
B	<table><tr><th>版本号</th><th>日 期</th><th>描 述</th></tr><tr><td>V2.0</td><td>2020-8-10</td><td>初始版本</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>			版本号	日 期	描 述	V2.0	2020-8-10	初始版本													B							
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D	<table><tr><td colspan="2">Title</td><td colspan="2">STM32F4神舟号_原理图</td><td>郑州精畅科技</td></tr><tr><td>Size</td><td colspan="2">Number</td><td colspan="2">Revision</td></tr><tr><td>A4</td><td colspan="2">历史版本</td><td colspan="2">V2.0</td></tr><tr><td>Date:</td><td colspan="2">2021-04-09</td><td>Sheet of</td><td></td></tr><tr><td>File:</td><td colspan="2">E:\STM32F4神舟号原理图\..STM32F4神舟号原理图.Dwg</td><td>Drawn By</td><td></td></tr></table>			Title		STM32F4神舟号_原理图		郑州精畅科技	Size	Number		Revision		A4	历史版本		V2.0		Date:	2021-04-09		Sheet of		File:	E:\STM32F4神舟号原理图\..STM32F4神舟号原理图.Dwg		Drawn By		D
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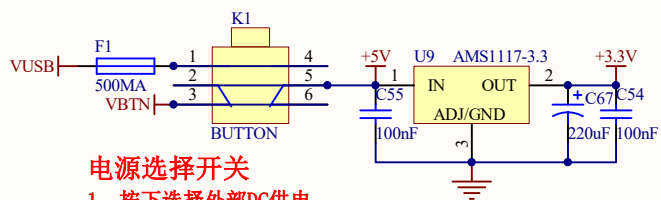
DC IN: 6V~24V DC/DC电源稳压



3.3V 5V 电源输出



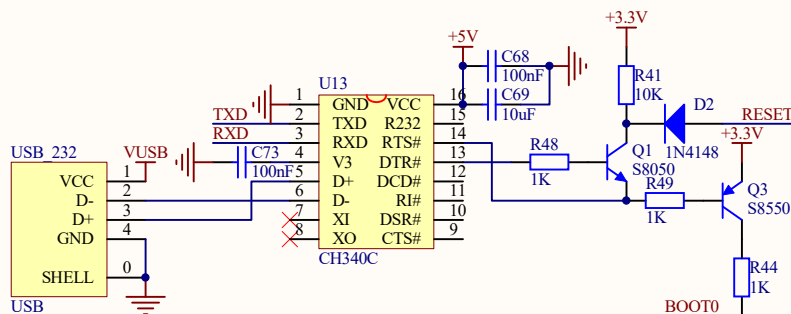
LDO 3.3V/1.8V



电源选择开关

- 1、按下选择外部DC供电
- 2、弹起选择USB供电

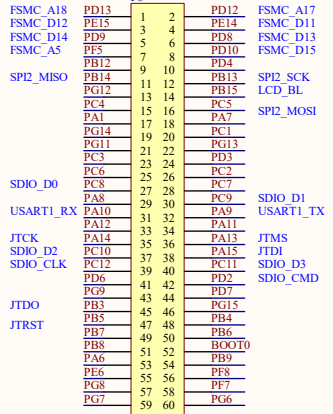
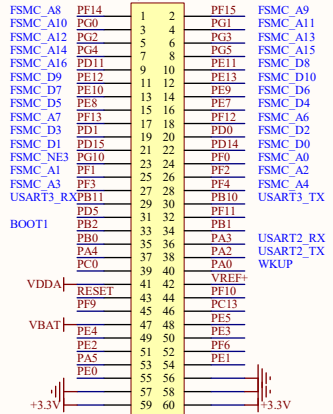
USB转串口模块 ISP下载



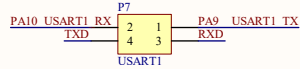
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引出GPIO口

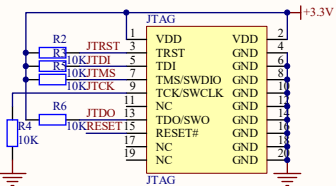
GPIO引出110个，除了晶振占用4个其他全部引出



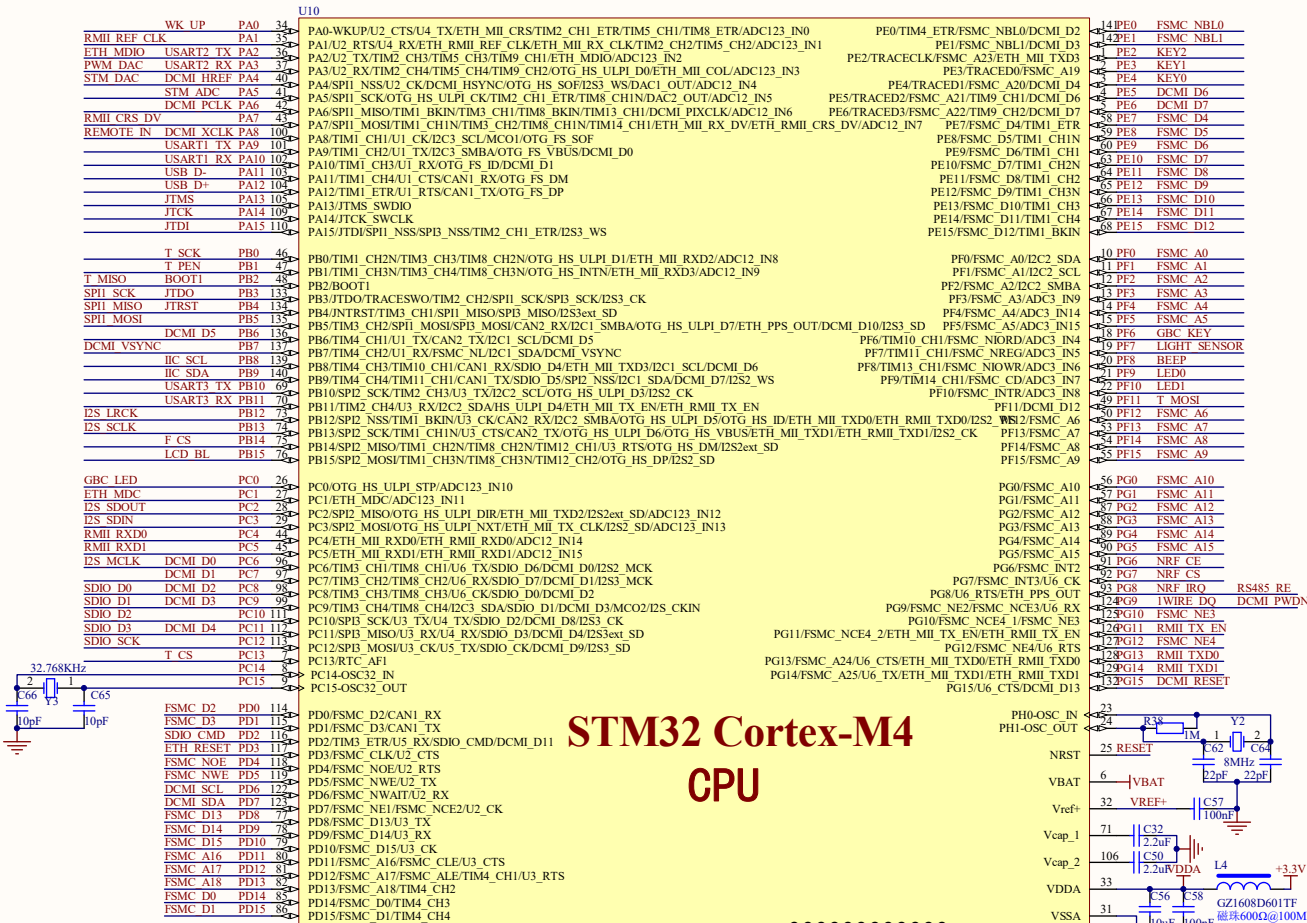
USB_UART/USART1



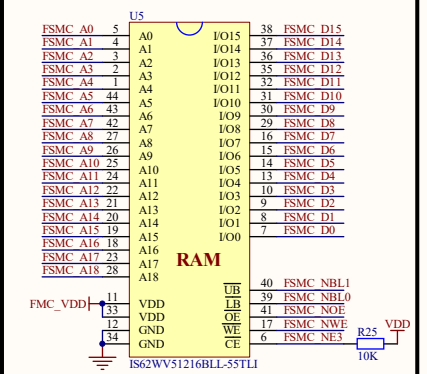
JTAG



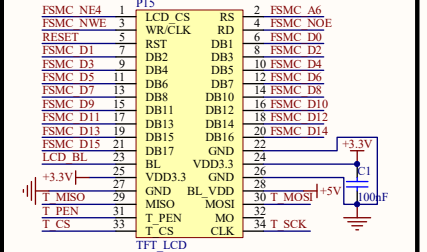
MCU最小系统

STM32 Cortex-M4
CPU

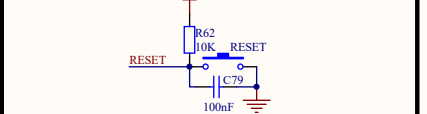
SRAM



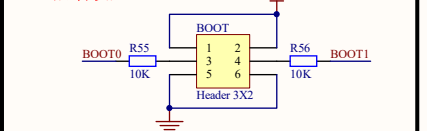
LCD液晶屏接口



RESET复位键



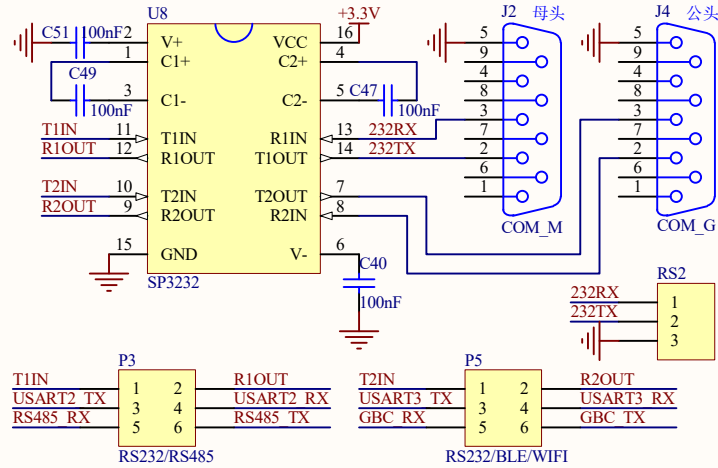
BOOT启动设置



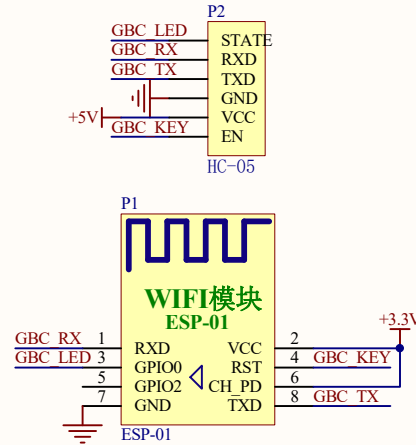
STM32F4神号_原理图

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MCU最小系统		V2.0
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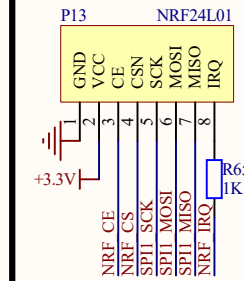
RS232串口



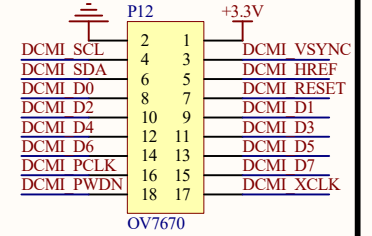
蓝牙&WIFI通信



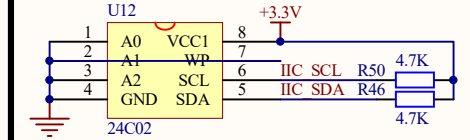
无线通信接口



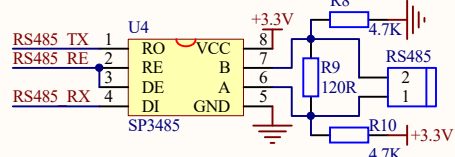
OLED&CAMERA



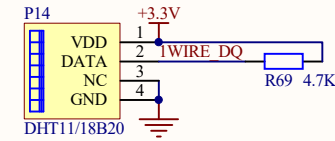
EEPROM



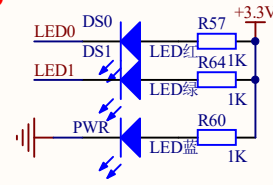
RS485



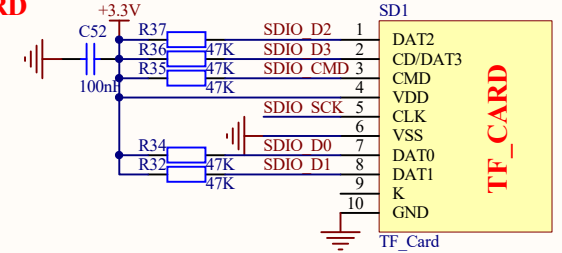
TEMP&HUMI SENSOR



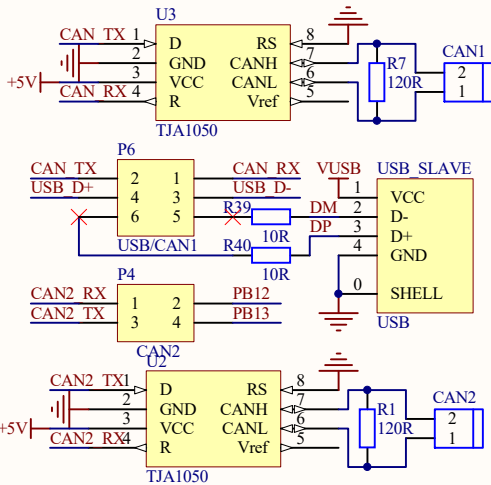
LED



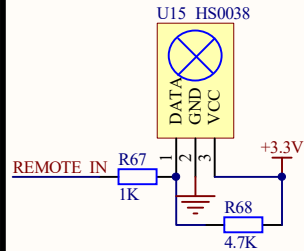
SD CARD



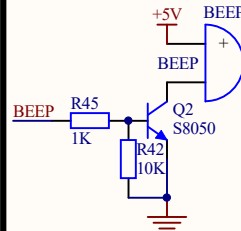
CAN&USB



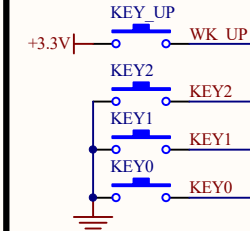
REMOTE



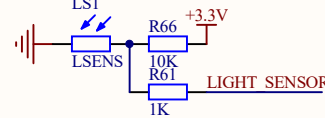
BEEP



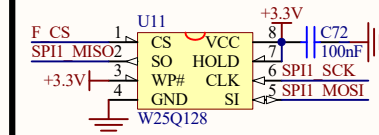
KEY



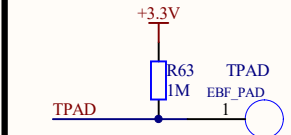
LIGHT_SENSOR



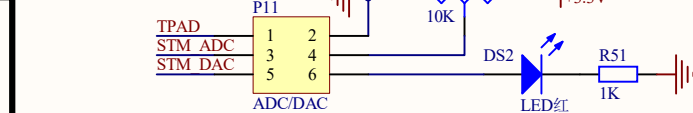
SPI FLASH



TOUCH_KEY



ADC&DAC

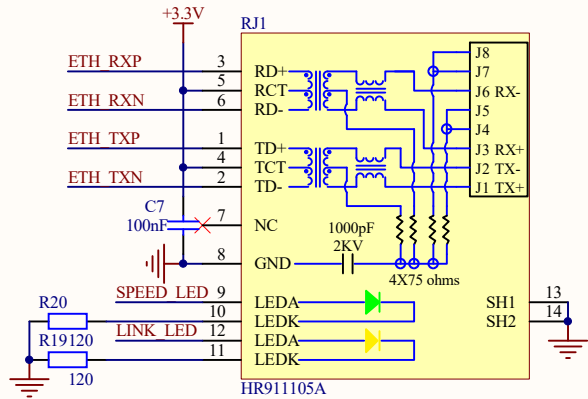
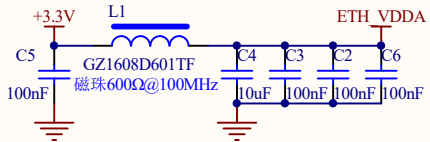
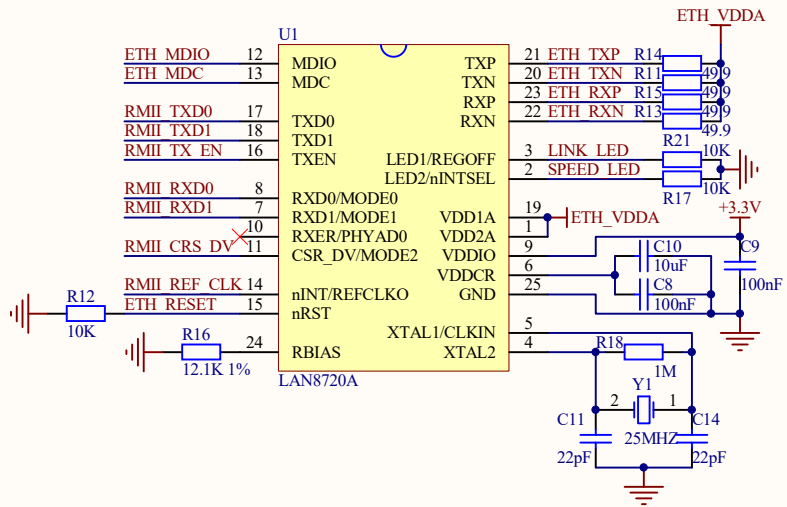


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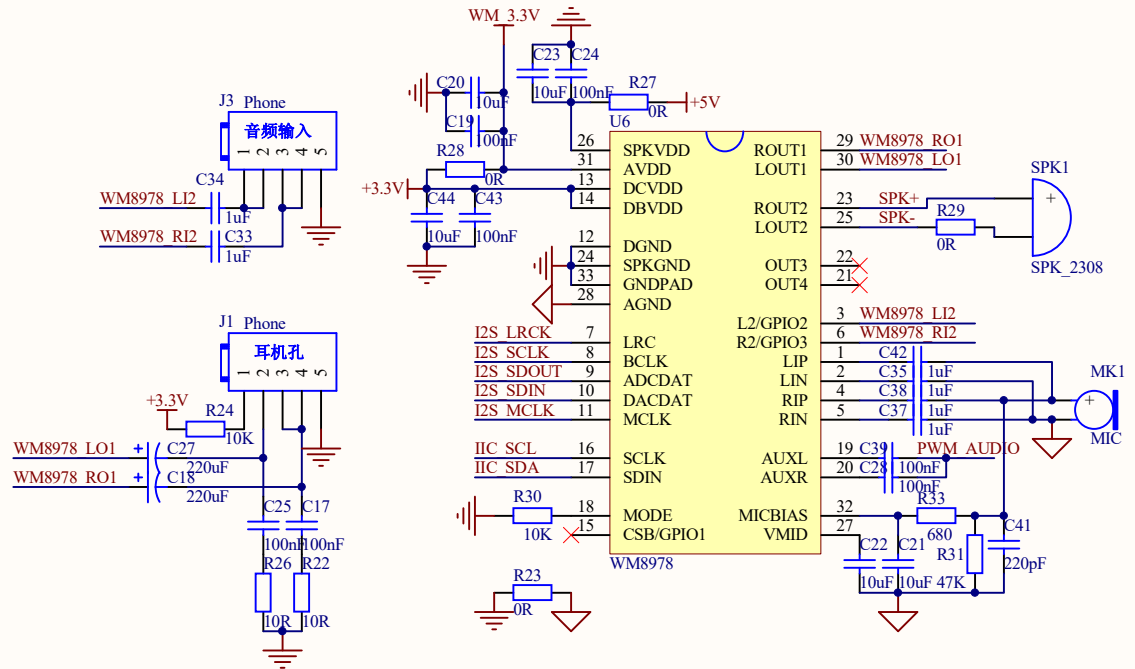
外围电路

郑州精畅科技

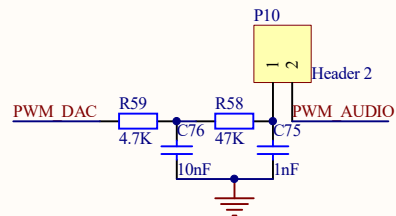
以太网LAN8720A



音频WM8978



PWM DAC/AUDIO



Title			STM32F4神舟号_原理图		郑州精畅科技	
Size		Number			Revision	
A4		以太网/音频			V1.0	
Date:		2021-04-09		Sheet of		
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