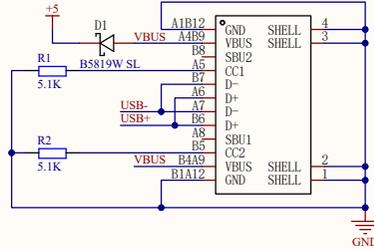
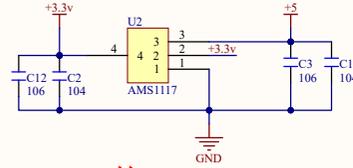


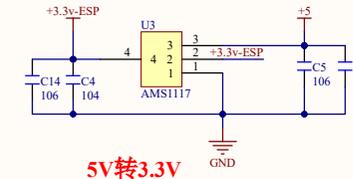
SD卡接口电路



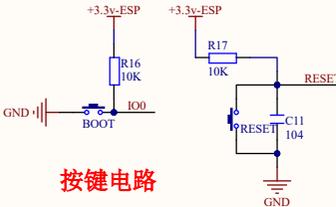
USB接口电路



5V转3.3V

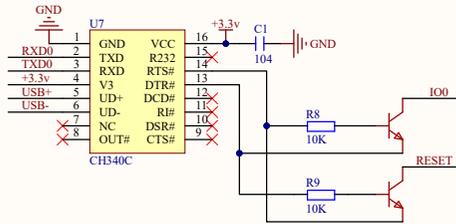
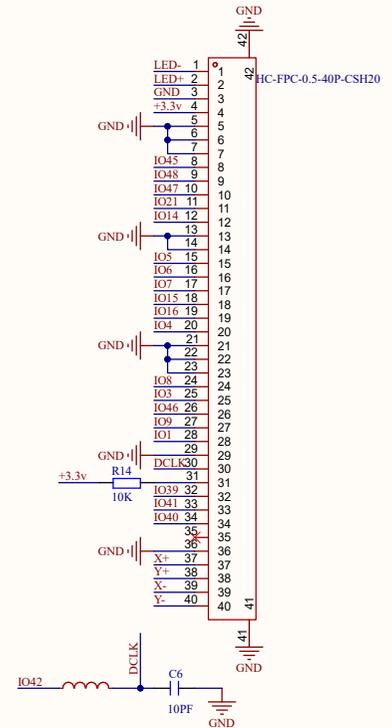


5V转3.3V

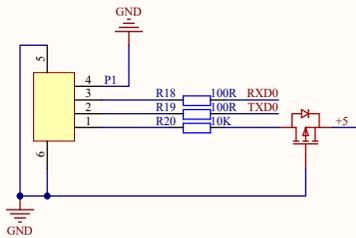


按键电路

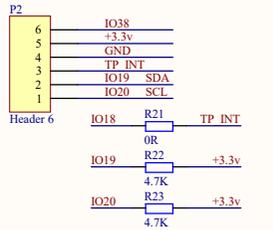
LCD



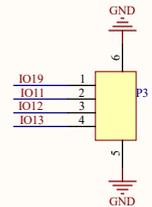
USB转串口及自动下载电路



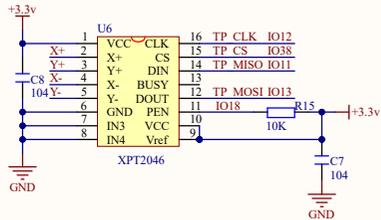
串口接口电路



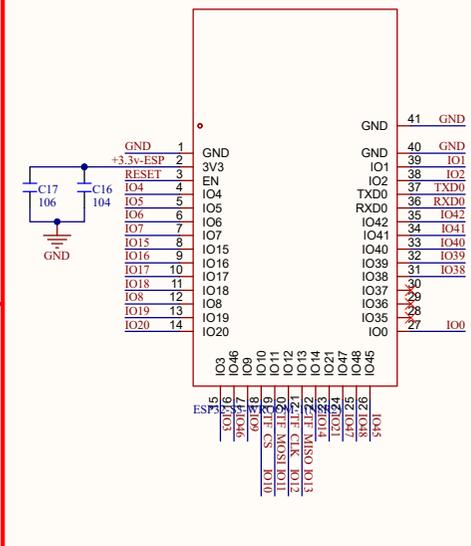
电容触摸接口电路



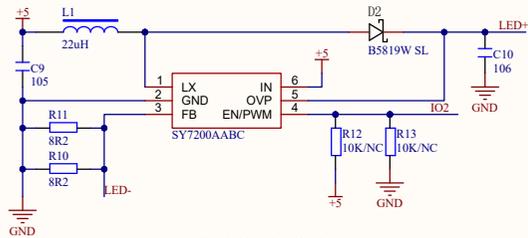
SPI拓展接口



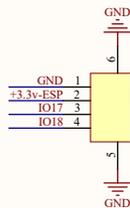
电阻触摸接口



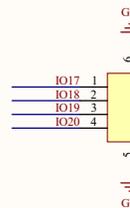
Title		
Size	Number	Revision
A3		
Date:	1/22/2026	Sheet of
File:	G:\PCB\...\4.3inch ESP32S3-Sheet1.Sch1	Drawn By:



LCD背光控制电路



拓展电路



串口/USB拓展接口