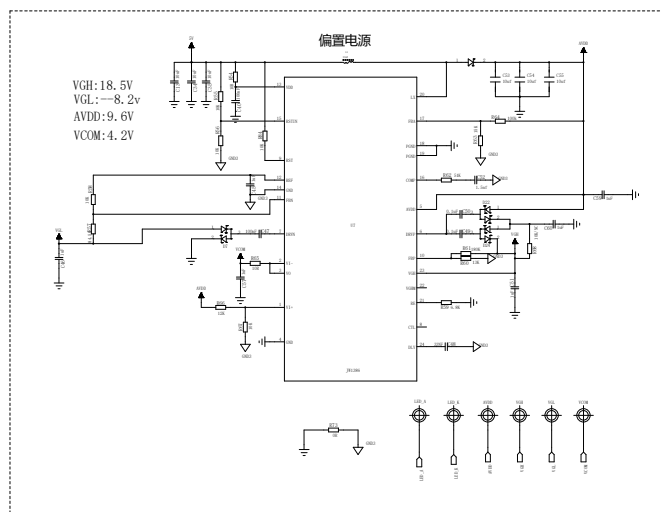
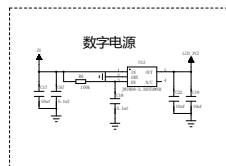
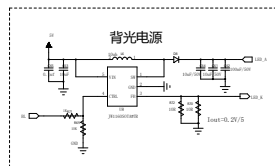
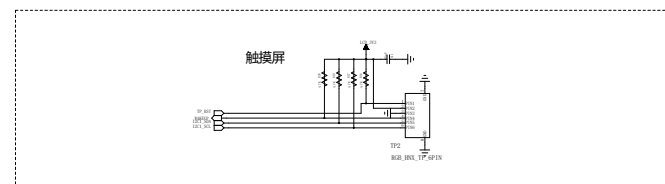
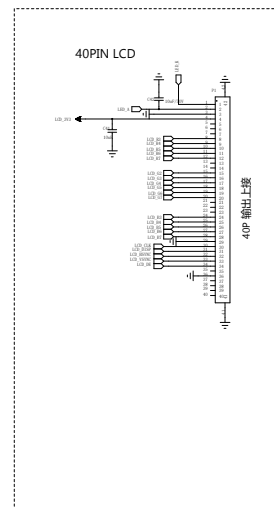
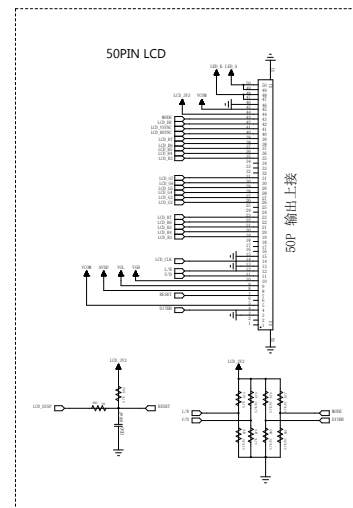


ATTORNEY RECORD			
LINE	REV NO:	APPROVED:	DATE

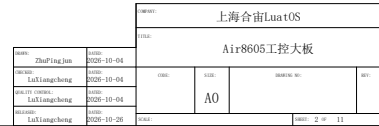
LCD 电源



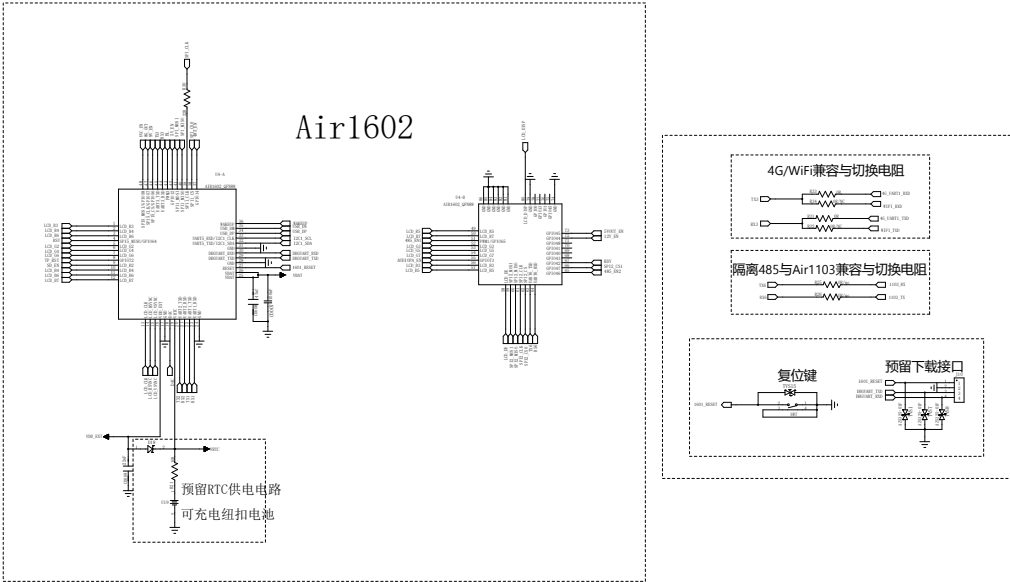
触摸屏接口



		FORM NO:		上海合雷LuatOS	
		TITLE:		Air860S工控主板	
DESIGN:	ZhuPeng	DATE:	2024-10-04		
DRAWN:	LuKangqiang	DATE:	2024-10-04		
CHECKED BY:	LuKangqiang	DATE:	2024-10-04		
RELEASED:	LuKangqiang	DATE:	2024-10-04		
DRAWN BY:		DATE:	CHECKED BY:		DATE:
LuKangqiang		2024-10-04	LuKangqiang		2024-10-04
A0					
TOTAL:		SHEET:		1 of 1	



REVISION HISTORY			
NO.	REV. NO.	DESCRIPTION	DATE



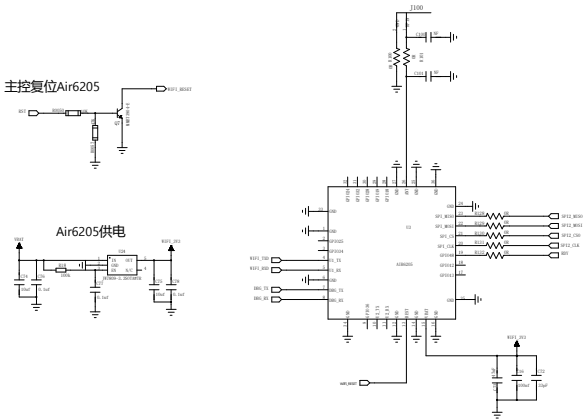
螺丝孔



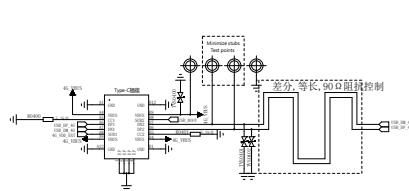
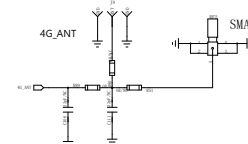
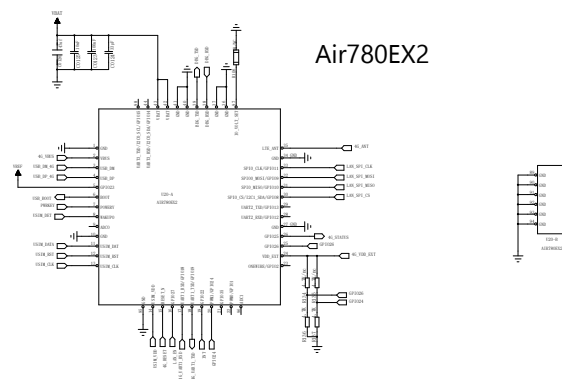
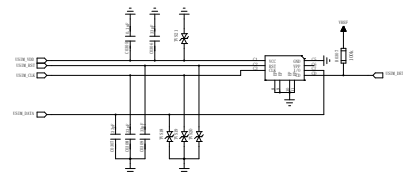
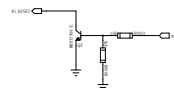
上海合宙LuatOS					
Air8605工控大板					
设计人	审核人	日期	图号	比例	备注
ZhuoJun	LuYang	2025-10-04			
设计人	审核人	日期	图号	比例	备注
LuYang	LuYang	2025-10-04			
设计人	审核人	日期	图号	比例	备注
LuYang	LuYang	2025-10-04			
设计人	审核人	日期	图号	比例	备注
LuYang	LuYang	2025-10-20			

REVISION HISTORY			
NO.	REV. NO.	DESCRIPTION	DATE

WiFi Air6205模组



主控复位Air780EX2

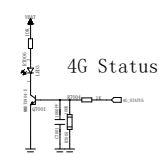
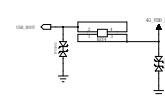
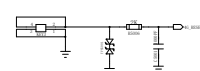
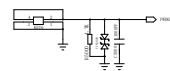


1. USB走线需要严格按照差分线控制,做到平行和等长;
2. USB走线的阻抗需要控制到差分90欧姆;
3. 需要尽可能的减少USB走线的stubs, 减少信号反射; USB信号的测试点最好直接放在走线上以减少stub
4. 在靠近USB连接器或者测试点的地方添加TVS保护管, 由于USB的速率较高, 需保证选用的TVS保护管的寄生电容小于1pF
5. VBUS作为USB输入检测, 必须连接USB电源或者其外接电源, 否则USB无法被检测到, VBUS的检测电压要大于3.3V

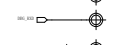
按键开机

RESET_N 复位

USB下载使能



USB_BOOT 在开机过程中拉高可以进入USB下载模式
建议预留测试点



DGB_UART, 也常备称作UART0, 用作底层日志的抓取
波特率921600bps, 不可更改
不可作为通用UART使用



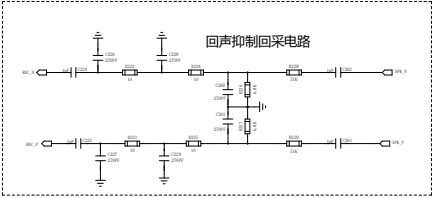
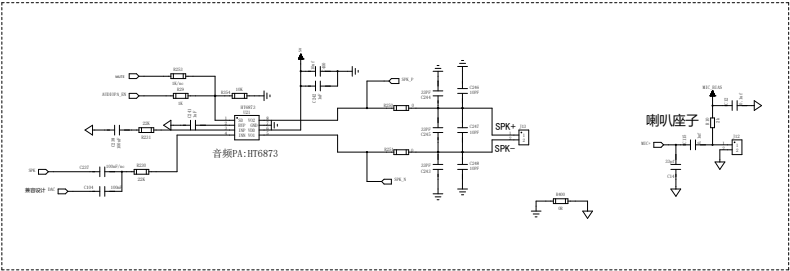
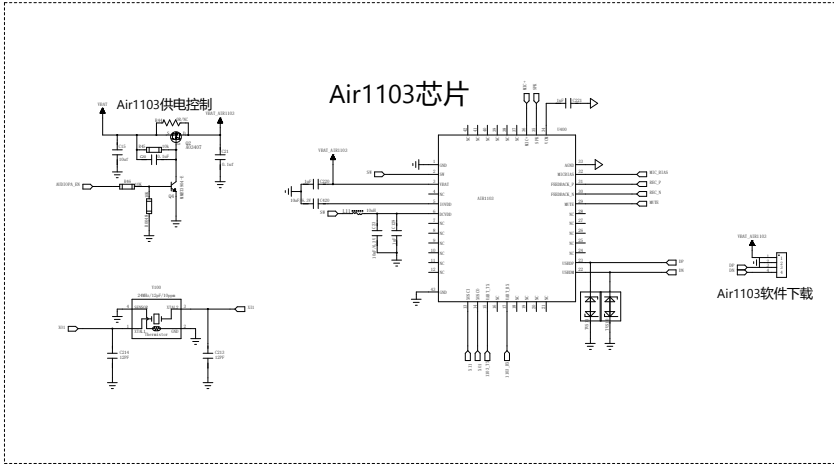
开机键测试点,设计批量升级夹具时会用到



VBAT供电测试点,设计批量升级夹具时会用到

		NAME:		上海合宙LuatOS	
		TITLE:		Air8605工控大板	
NAME:	ZhuoJun Jia	DATE:	2020-10-04		
NAME:	LuLiangcheng	DATE:	2020-10-04		
DATE/TIME:	LuLiangcheng	DATE:	2020-10-04		
RELEASE:	LuLiangcheng	DATE:	2020-10-06		
		CODE:	SIZE:	DESCRIPTION:	APP
		A0			
		SCALE:	UNIT: 5 mm 1:1		

REVISION HISTORY			
NO.	REV. NO.	DESCRIPTION	DATE



D

C

B

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1

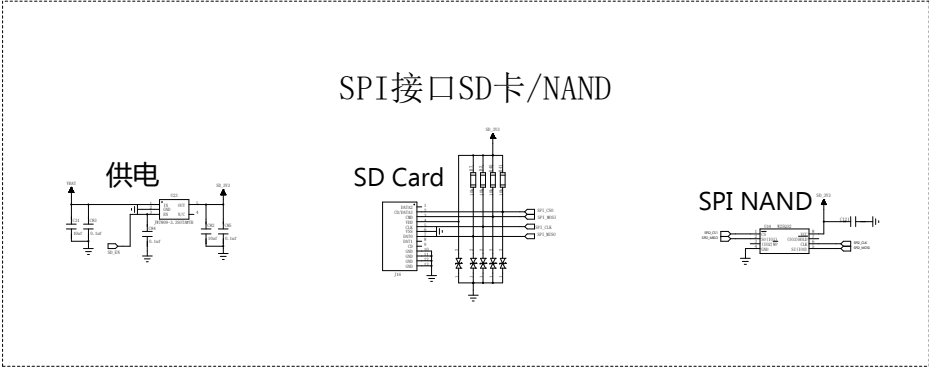
REVISION HISTORY			
NO.	REV. NO.	DESCRIPTION	DATE

D

C

B

A



上海合宙LuatOS					
Air8605工控大板					
设计人	审核人	设计日期	审核日期	设计人	审核人
ZhuoPingJun	LuXiangCheng	2025-10-04	2025-10-04	设计人	审核人
设计人	审核人	设计日期	审核日期	设计人	审核人
LuXiangCheng	LuXiangCheng	2025-10-04	2025-10-04	设计人	审核人
设计人	审核人	设计日期	审核日期	设计人	审核人
LuXiangCheng	LuXiangCheng	2025-10-20	2025-10-20	设计人	审核人

REVISION HISTORY			
VER.	REV. NO.	DESCRIPTION	DATE

