

6

5

4

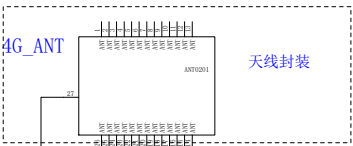
3

2

1

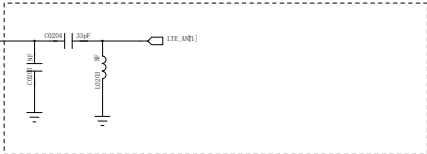
DESIGN REVISION			
LTR	REV NO.	APPROVED	DATE

LTE_ANT

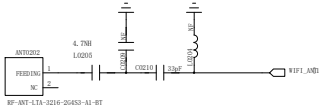


此处的天线匹配位号请勿改动
此处阻容感器件请按位号放置到天线封装对应位号处

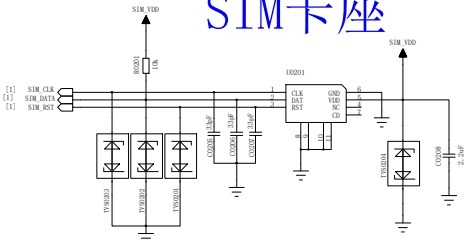
此处预留的天线匹配，请靠近天线放置，到模块天线端走线请控制50欧姆特性阻抗



WiFi_ANT



SIM卡座



DESIGN: ZhangYuQian		DATE: 2026-6-17	
CHECKED: LuXiangcheng		DATE: 2026-6-18	
QUALITY CONTROL: LuXiangcheng		DATE: 2026-6-18	
RELEASED: LuXiangcheng		DATE: 20260618	
COMPANY: 合宙LuatOS		TITLE: Air8301_HMI大屏工控板	
V1.0		C	REV: 12

D

C

B

A

6

5

4

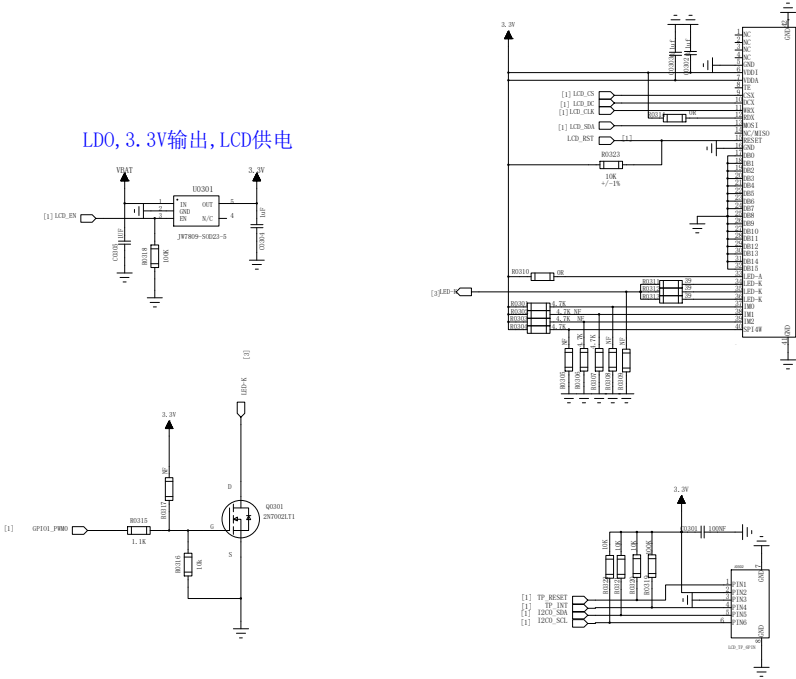
3

2

1

DESIGN REVISION			
LT#	REV NO.	APPROVED	DATE

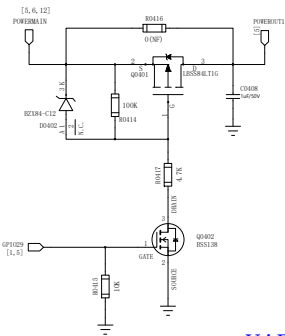
LDO, 3.3V输出, LCD供电



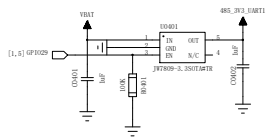
COMPANY: 合宙LuatOS			
TITLE: Air8301_HMI大屏工控板			
DESIGN: ZhangYuQian	DATE: 2026-6-17	CHK: V1.0	SIZE: C
CHECKED: LuXiangcheng	DATE: 2026-6-18	DRAWING NO:	
QUALITY CONTROL: LuXiangcheng	DATE: 2026-6-18	REV:	
RELEASED: LuXiangcheng	DATE: 20260618	SCALE:	
SHEET: 3 of 12			

6 5 4 3 2 1

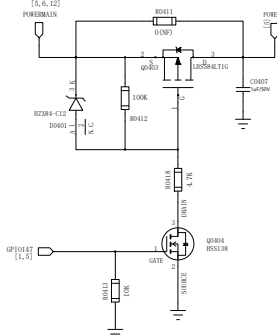
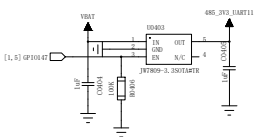
DESIGN REVIEW			
DATE	BY	APPROVED	DATE



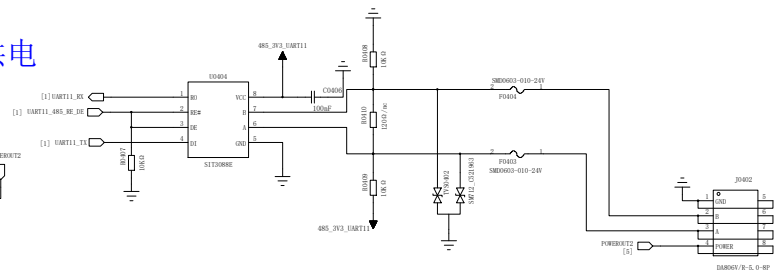
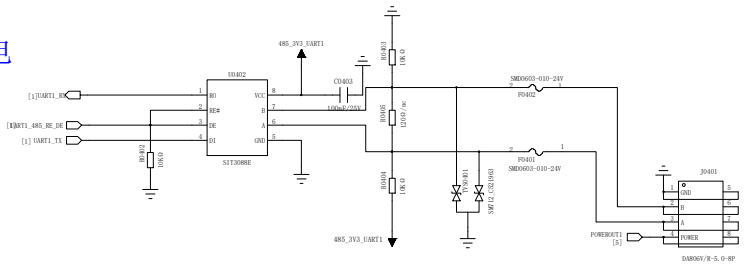
UART1转485接口/供电



UART11转485接口/供电



RS-485 UART



COMPANY: 合宙LuatOS			
TITLE: Air8301_HMI大屏工控板			
CODE: V1.0	SIZE: C	DRAWING NO:	REV:
SCALE:		SHEET: 5 of 12	

D

C

B

A

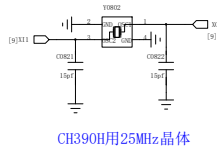
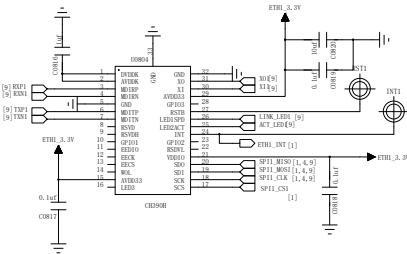
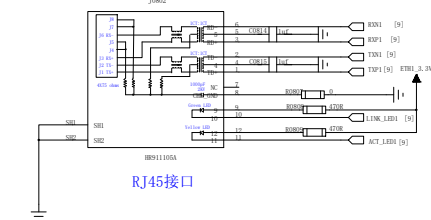
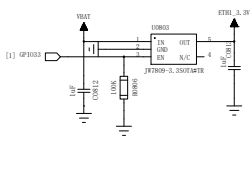
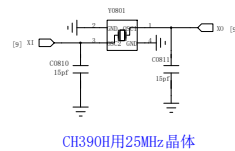
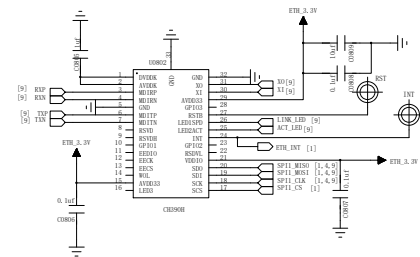
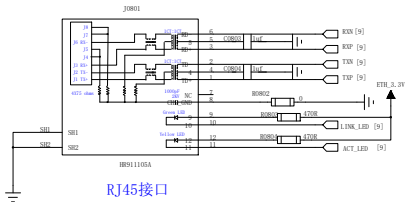
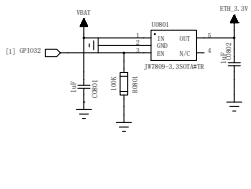
D

C

B

A

以太网RJ45网口



DESIGN: ZhangYuQian		DATE: 2026-6-17	
CHECKED: LuXiangcheng		DATE: 2026-6-18	
QUALITY CONTROL: LuXiangcheng		DATE: 2026-6-18	
RELEASED: LuXiangcheng		DATE: 20260618	
COMPANY: 合宙LuatOS		TITLE: Air8301_HMI大屏工控板	
V1.0		C	9 of 12

6

5

4

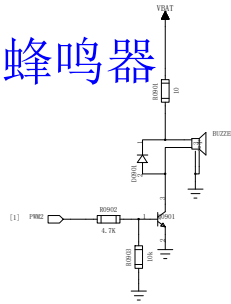
3

2

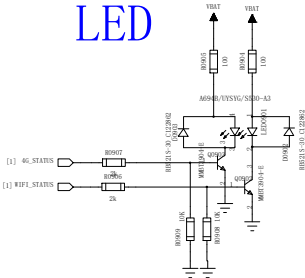
1

DESIGN REVIEW			
DATE	DESIGN	APPROVED	DATE

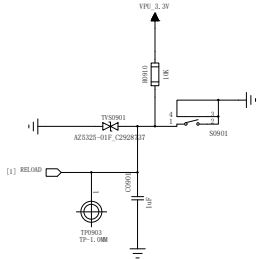
蜂鸣器



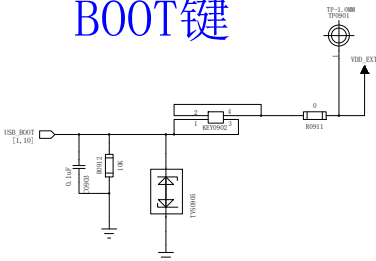
LED



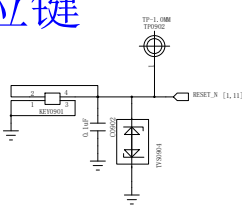
Reload按键



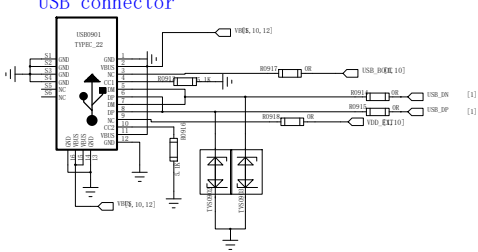
BOOT键



复位键



USB connector



DESIGN: ZhangYuQian		DATE: 2026-6-17	
CHECKED: LuXiangcheng		DATE: 2026-6-18	
QUALITY CONTROL: LuXiangcheng		DATE: 2026-6-18	
RELEASED: LuXiangcheng		DATE: 2026-6-18	
COMPANY: 合宙LuatOS		TITLE: Air8301_HMI大屏工控板	
CODE: V1.0	SIZE: C	DRAWING NO:	REV:
SCALE:		SHEET: 10/12	

