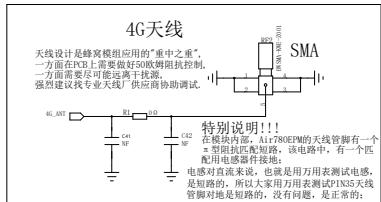
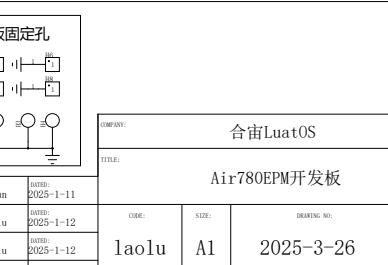
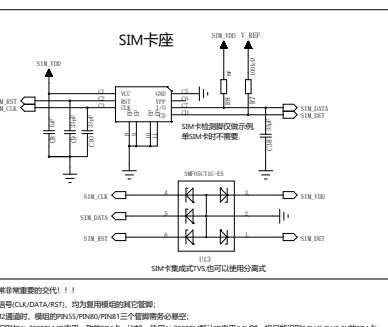
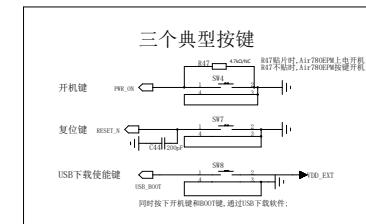
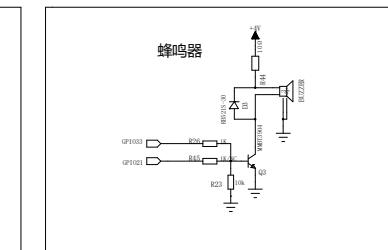
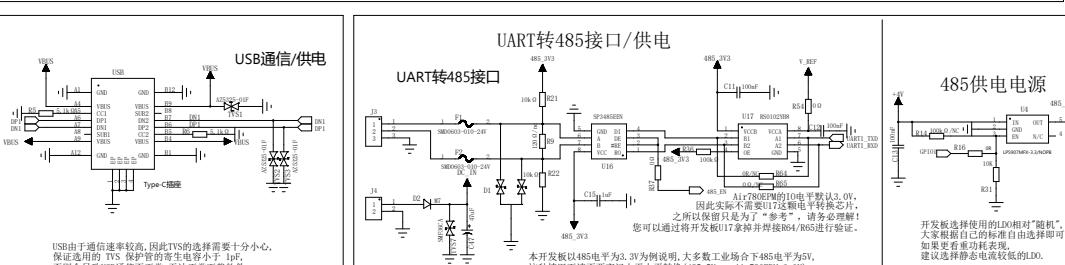
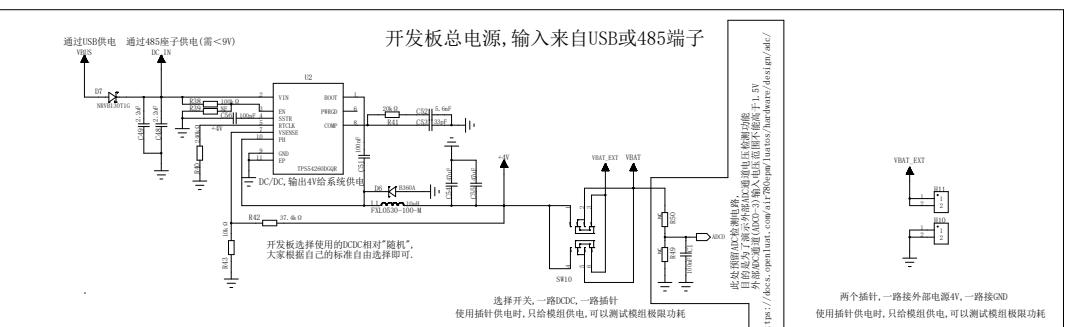
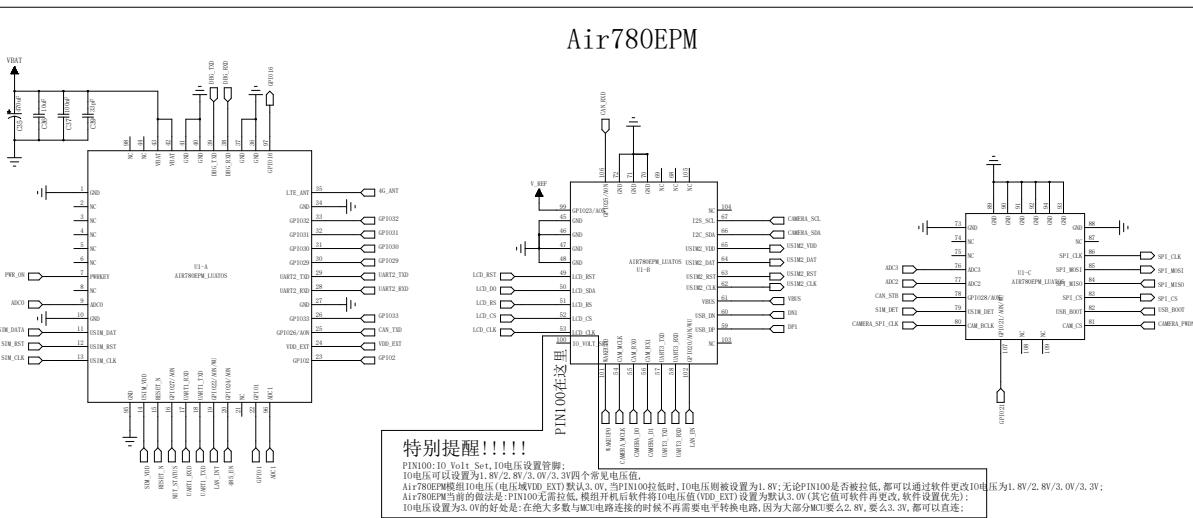
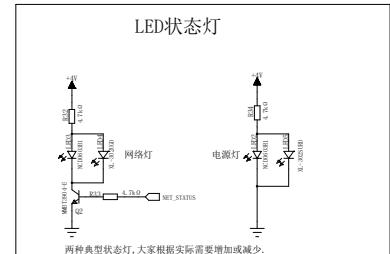
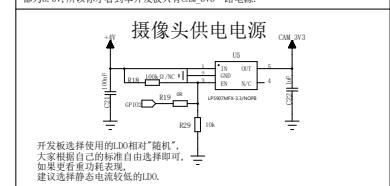
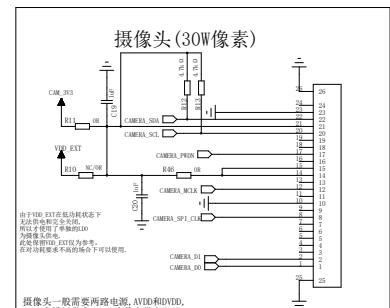
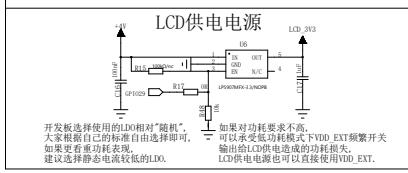
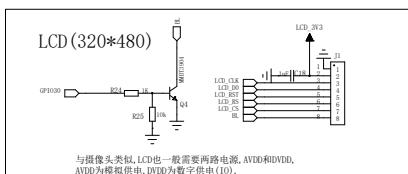
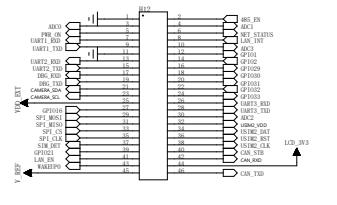


Air780EPM开发板/参考设计

REVISION RECORD			
LTR	ECN NO.	APPROVED	DATE



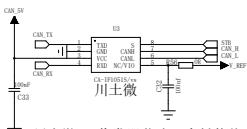
Air780EPM部分管脚排针引出
目的是为了方便测试，开发板嘛，你懂的



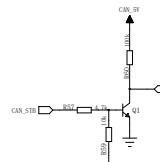
COMPANY: 合宙LuatOS
TITLE: Air780EPM开发板
DRAWING NO.:
REV.: 4
DRAFTED: ZhuPingjun 2025-1-11
CHECKED: laolu 2025-1-12
QUALITY CONTROL: laolu 2025-1-12
RELEASED: laolu 2025-1-12
SCALE: 6
SHEET: 1 OF 2

REVISION RECORD			
REV	ECO NO.	APPROVED	DATE

CAN接口

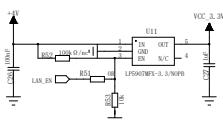


川土微CAN收发器芯片，本封装共有两个型号，一个是CA-IF1051S，一个是CA-IF1051VS，区别是PIN5逻辑电平供电管脚的不同，CA-IF1051S的PIN5保持悬空，逻辑电平同PIN3 VCC电压，CA-IF1051VS的PIN5单独供电VREF，逻辑电平同VREF，Air780EPM的VREF默认3.0V，因此这种情况下可以不需要电平转换电路。

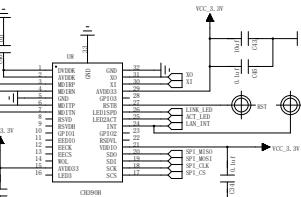
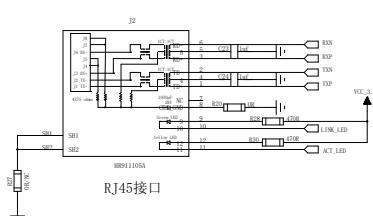


右侧U9是实现电平转换的芯片，左侧Q1是实现电平转换的分立电路，当CAN收发器使用CA-IF1051VS型号时，电平转换电路时不需要的，之所以保留只是为了“参考”，大家根据自己的实际情况选择。

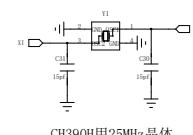
以太网RJ45网口



开发板选择使用的LDO相对“随机”，大家根据自己的标准自由选择型号和供应商即可。



合宙Air780EPM开发板使用的是沁恒CH390H，沁恒CH390D也可以，封装不同，软件相同。



CH390H用25MHz晶体

COMPANY:		合宙LuatOS			
TITLE:					
Air780EPM开发板					
DRAWN:	ZhuPing jun	DATUM:	2025-1-11		
CHECKED:	laolu	DATUM:	2025-1-12		
QUALITY CONTROL:	laolu	DATUM:	2025-1-12		
RELEASED:	laolu	DATUM:	2025-1-12		
SCALE:	G	SIZE:	A1		
REV:	4	DRAWING NO.:	2025-3-26		