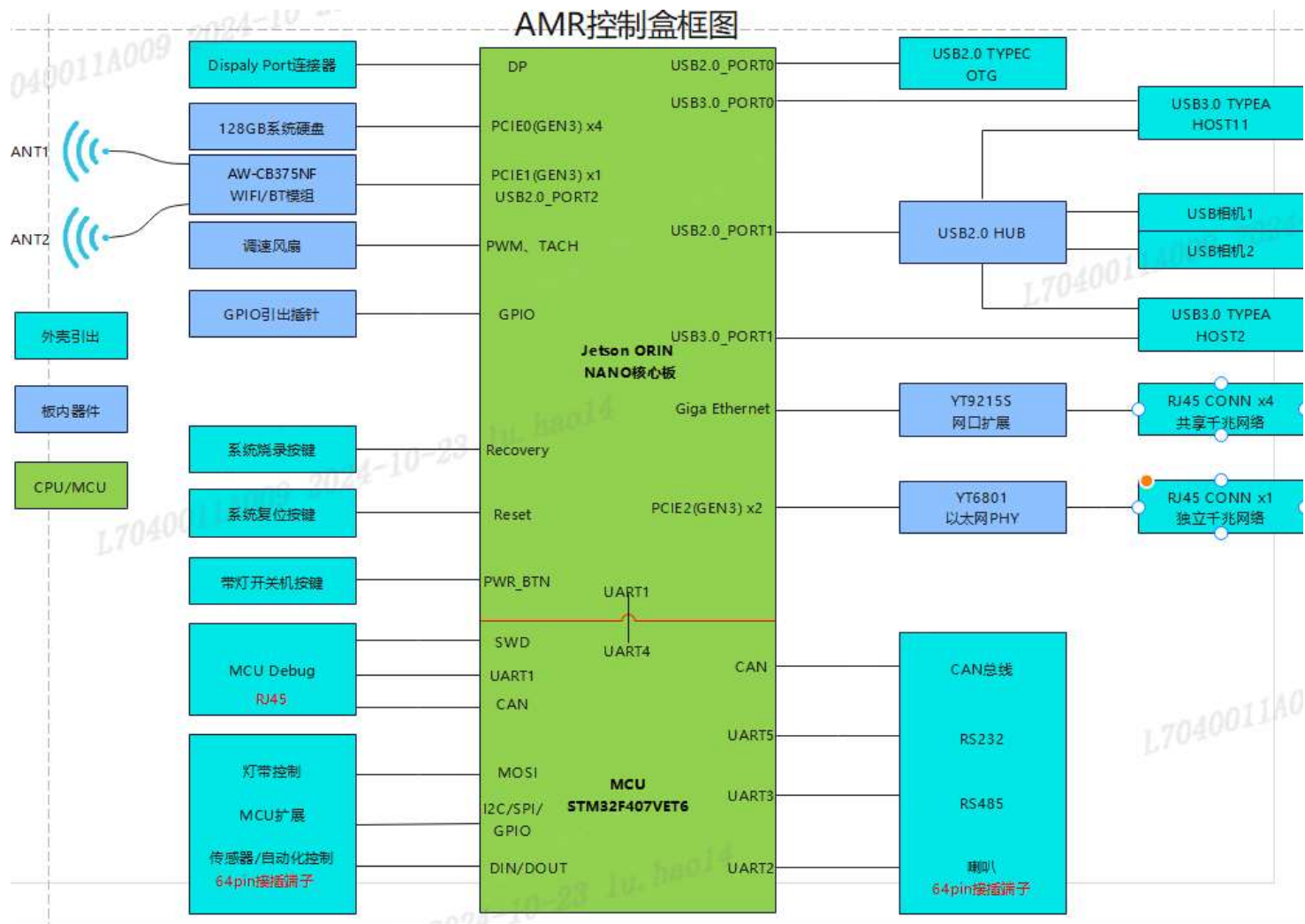


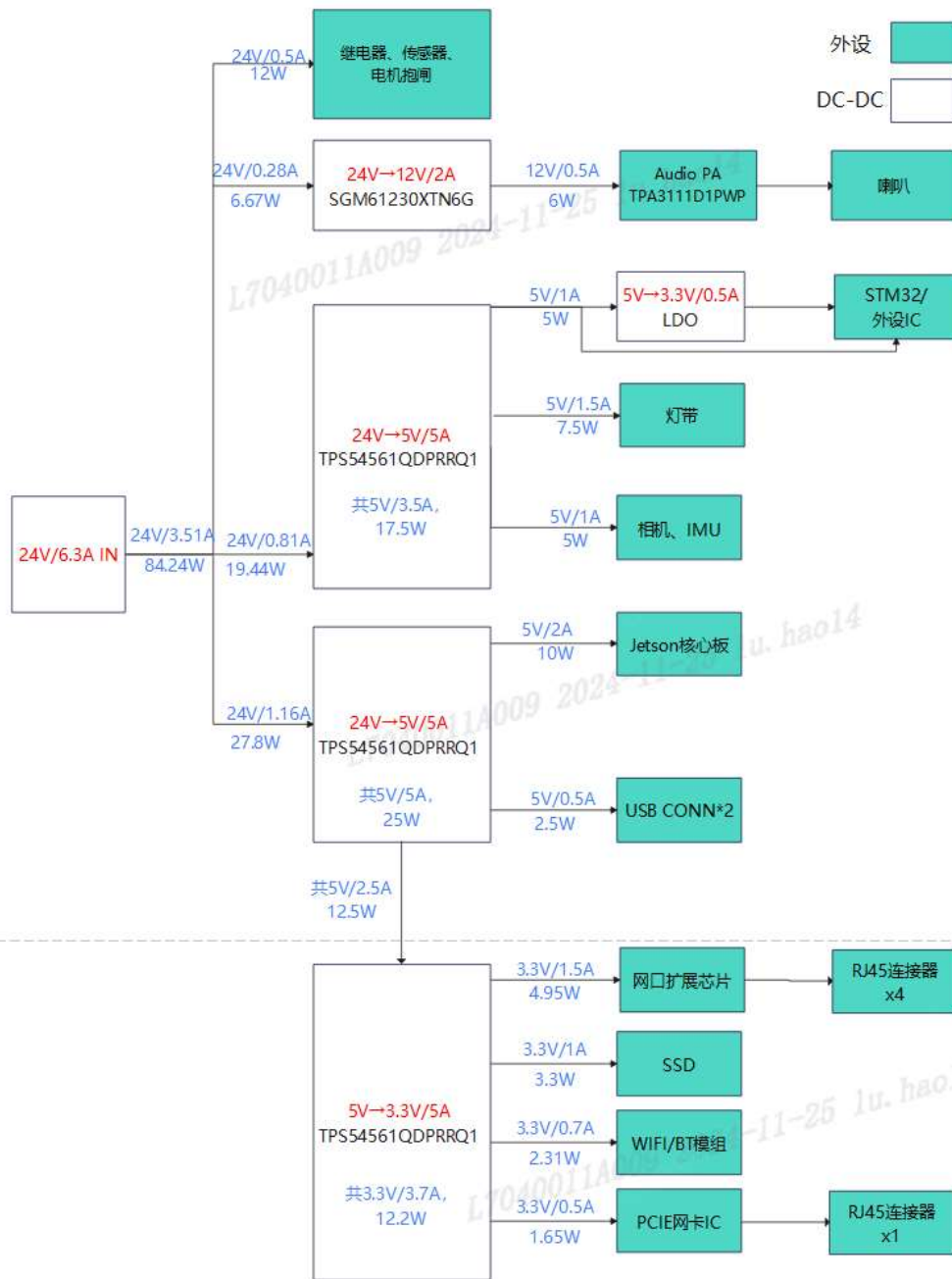
Revision History

Version	Date	By	Change Dscription	Approved
A01	2024-7-10	LU HAO	1:Revision preliminary version	
A04	2024-8-20	LU HAO	1:R300 与R328 交换, R329 与R301 交换 2: U31 修改为电源开关电路, DP转MIPI 小板供电改为5V 3: 去掉GPIO09_LCD_RST 信号, 引出为测试点 4: U32/U26/U36 物料跟焊盘不匹配——型号和封装不匹配, 实际物料偏小, 修改封装。 5: 上电按键开机功能异常。R28 改为10Kohm, 增加R514 上拉 6: J20 RS485 的DB9 连接器1/2Pin 顺序交换, 5pin 接地 7: 交换机IC EEPROM 内存太小, 更换U39 P2P 型号 9: J4 J15 RJ45 连接器更改为带内部变压器型号 10: 将RS485 和RS232 信号、5V 供电引出到大端子J9 11: 4G 模组的MEC4 MEC5 贴片螺母修改为M2.5X1.6mm 型号	
A05	2024-10-14	LU HAO	1:去掉D1/Q1 休眠弯插指示灯控制部分; 2: 核心板固定方式由六角双通螺栓H1,H2 变更为贴片螺母; 3.24V_DO 改为3 路; 4.U8 的供电输入由24V0 改为5V0_JETSON; 5.删除MINI PCIE-4G_Module 功能部分 6.增加R519,R520 电阻并NC, 硬件上禁用蓝牙功能。 7.去除U31,J29 部分, 取消外接视频转接板和6.8 寸触摸LCD 屏功能。 8.去除CSI_Camera 功能部分。 9.去除J19,J20,J21 三个DB9 连接器, 将CAN/RS485/RS232 直接引出到大端子。 10.J10 大端子由引出一组USB 接口改为引出2 组, 预留外接其他外设。 11.MCU 调试串口UART1 一分二接灯带IC, 支持灯带OTA 快速升级。	

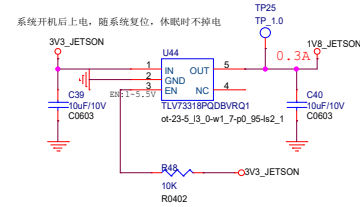
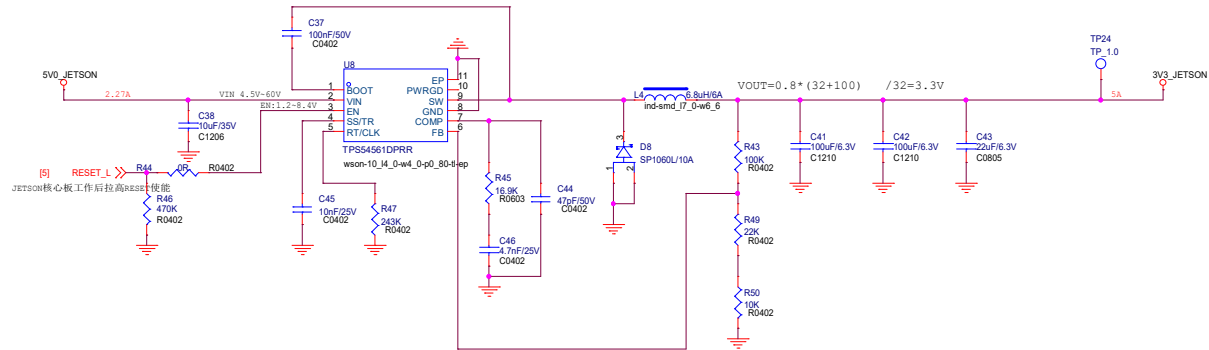
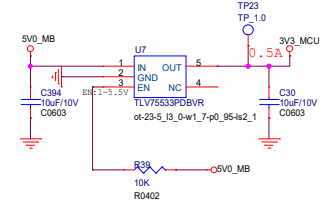
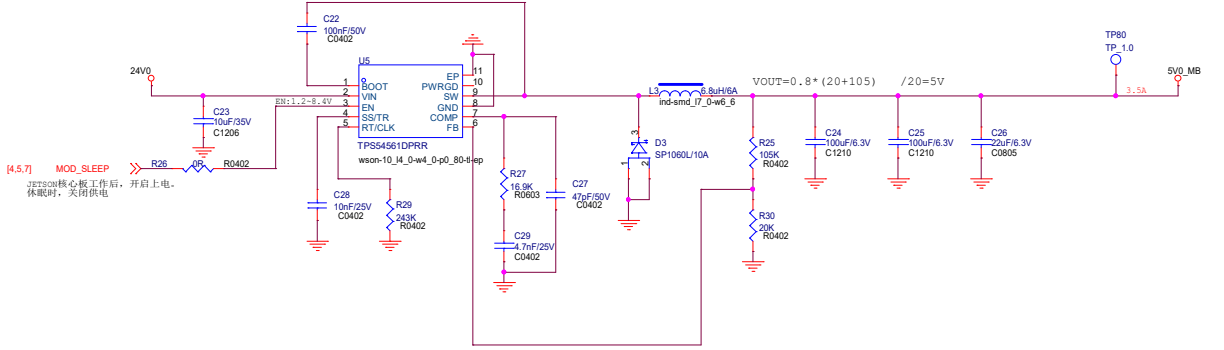
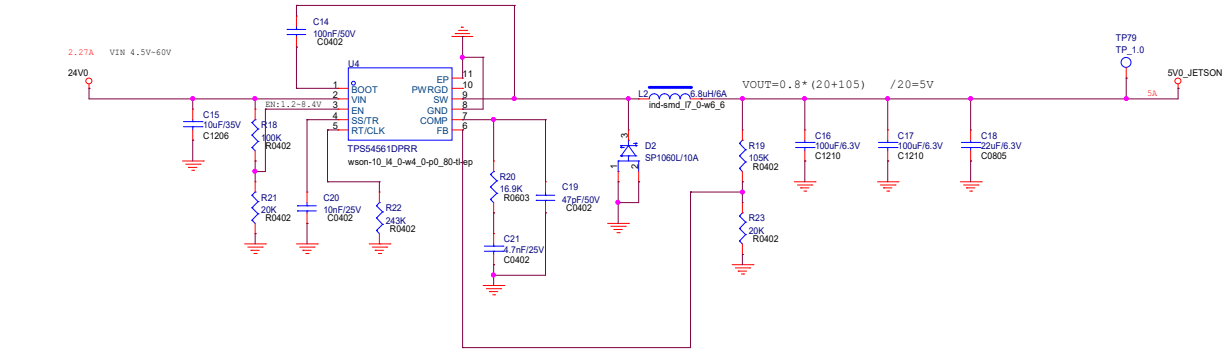
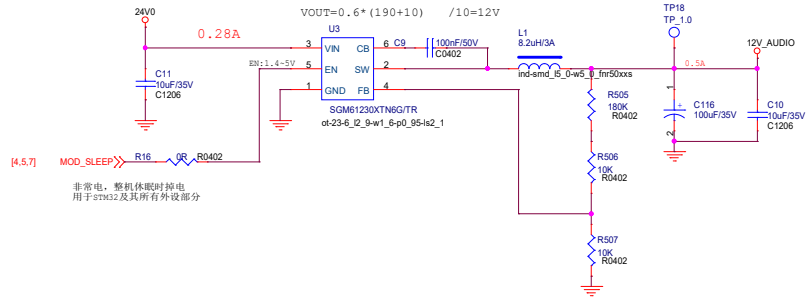
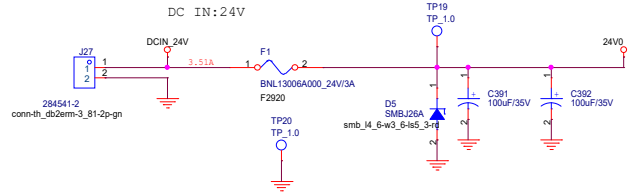
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Size	Document Number		Rev
B	01.Revision History		A05
Date:	Friday, November 29, 2024	Sheet	1 of 14



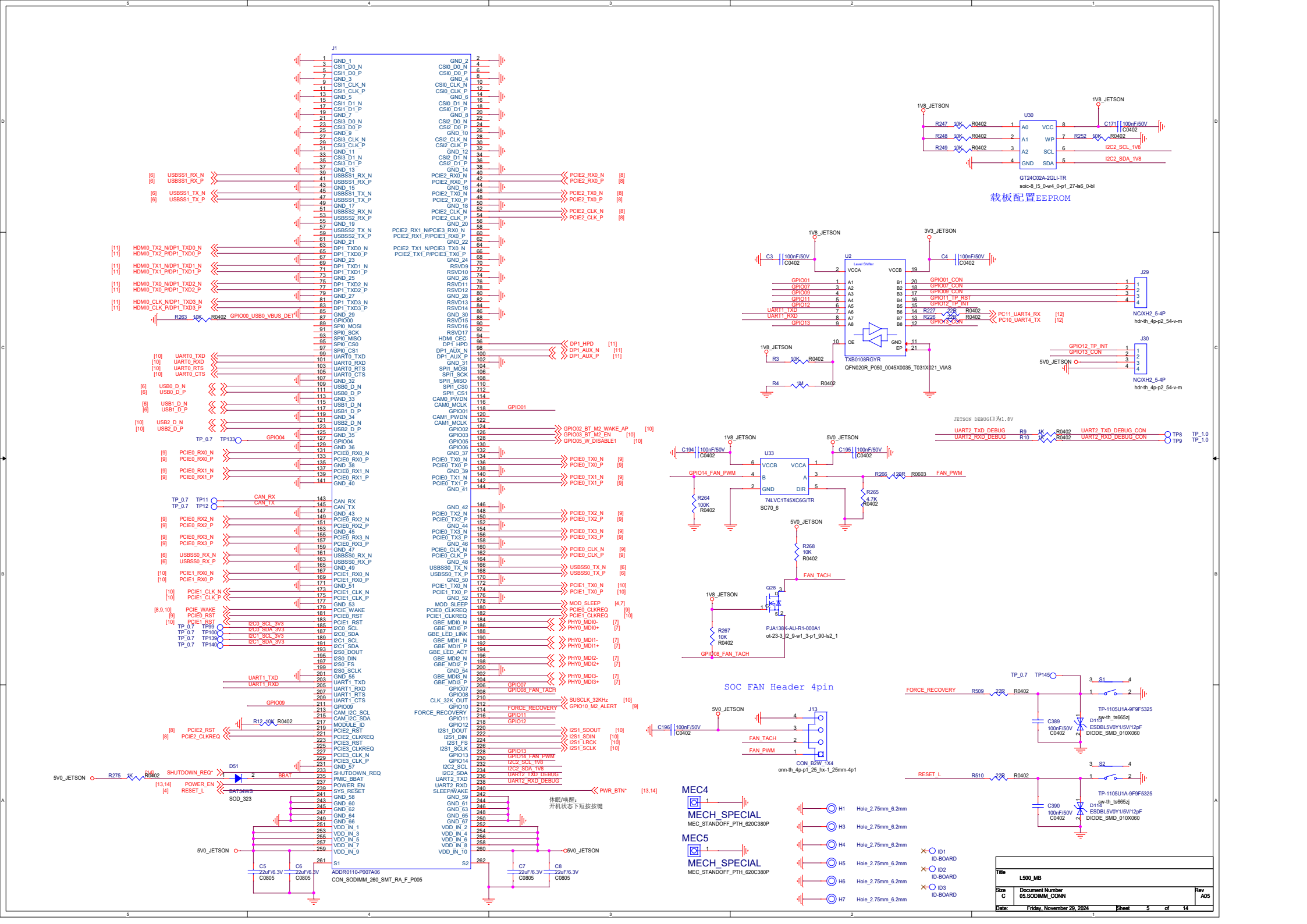
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Size	Document Number	Rev
B	02.Block_Diagram	A05
Date:	Friday, November 29, 2024	Sheet 2 of 14

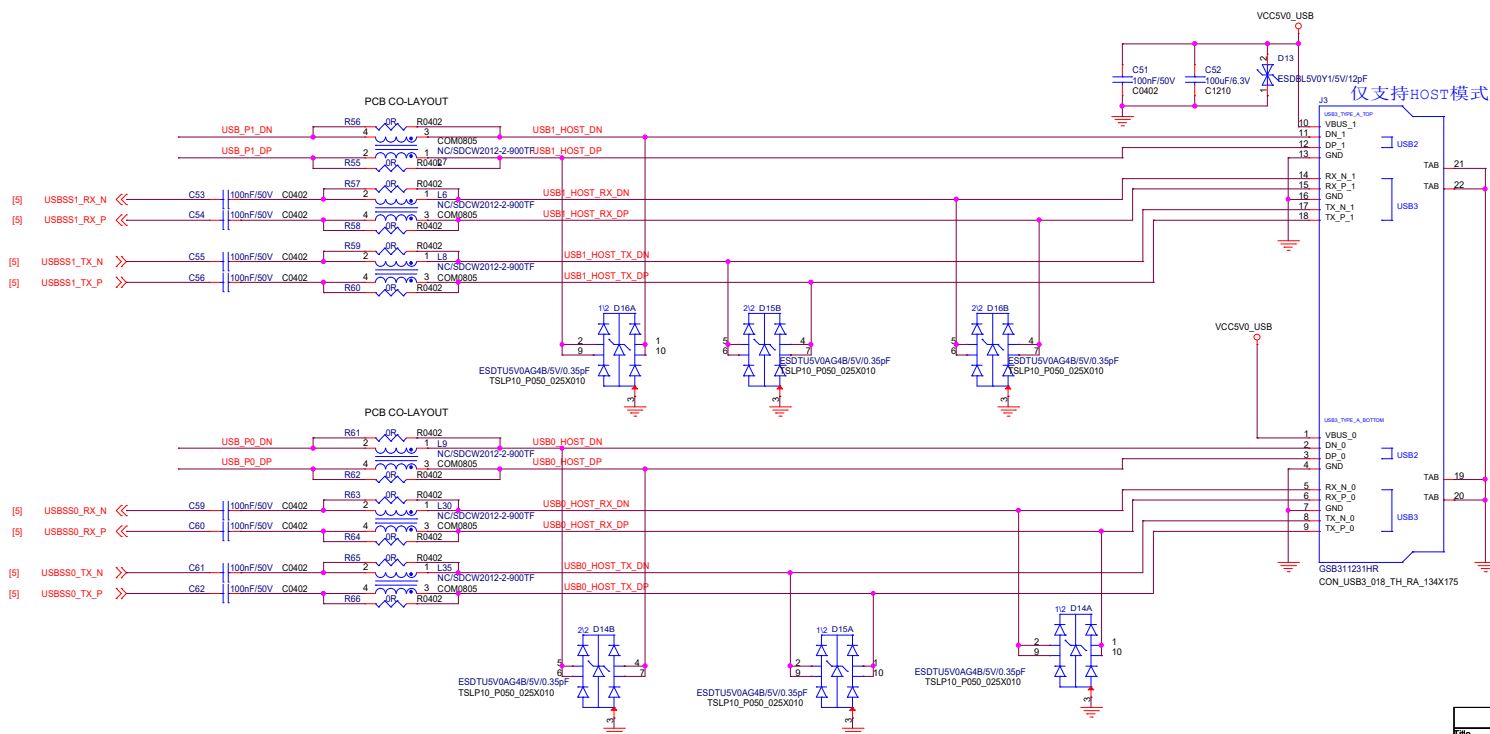
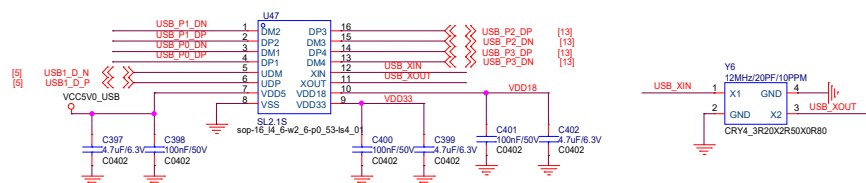
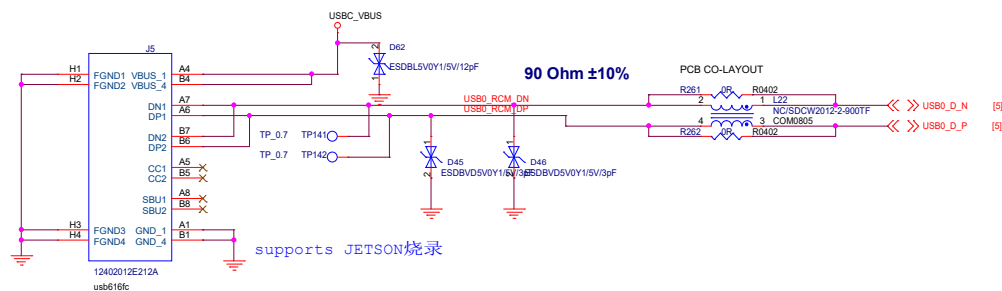


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B	03.Power_Tree	A05	
Date:	Friday, November 29, 2024	Sheet	3 of 14

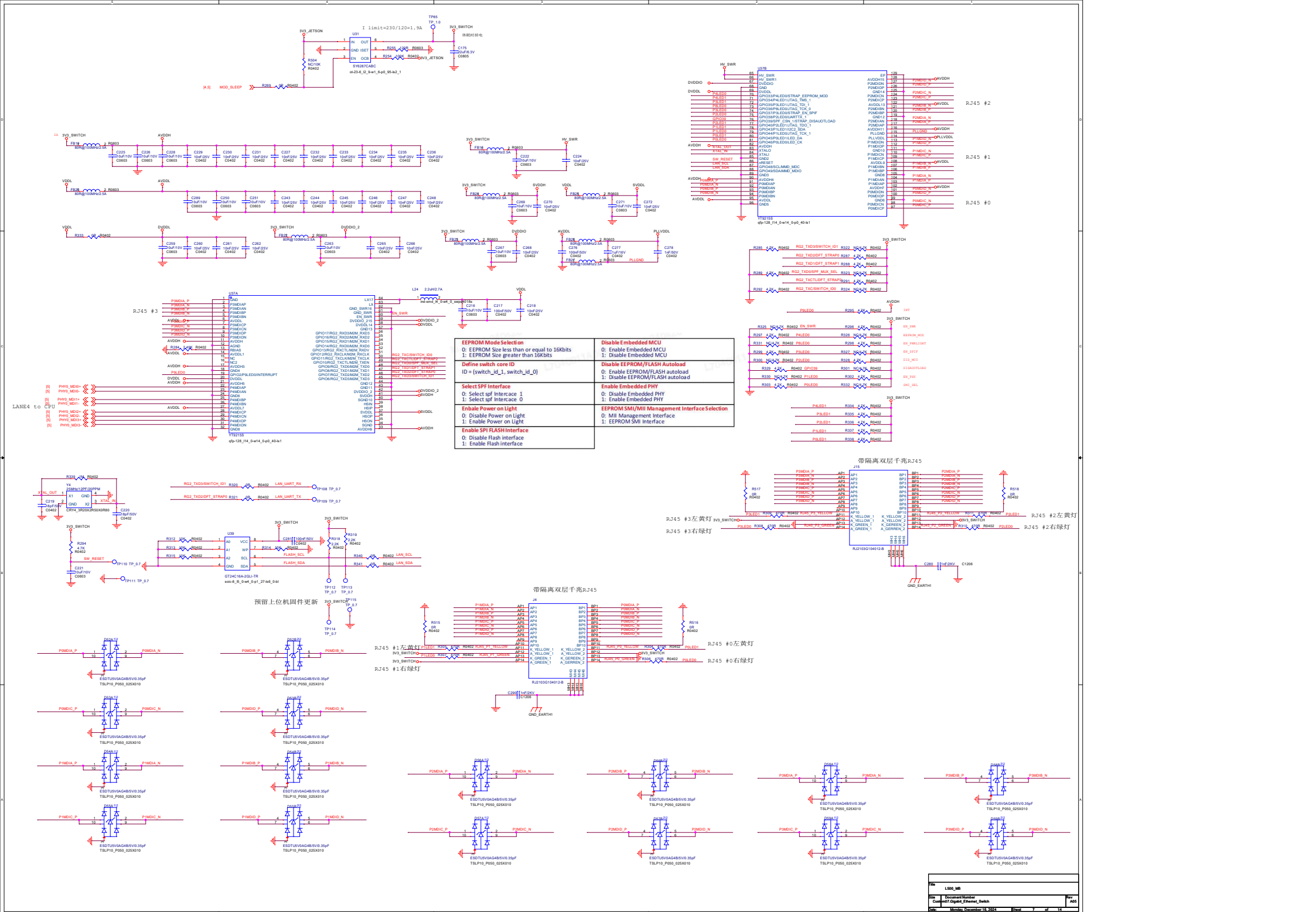


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C	04_DC_POWER	A05	
Date:	Monday, December 16, 2024	Sheet	4 of 14



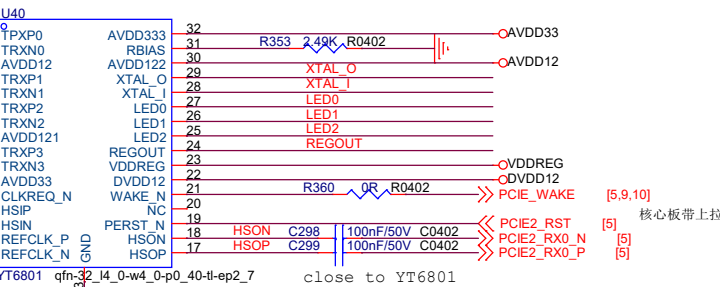
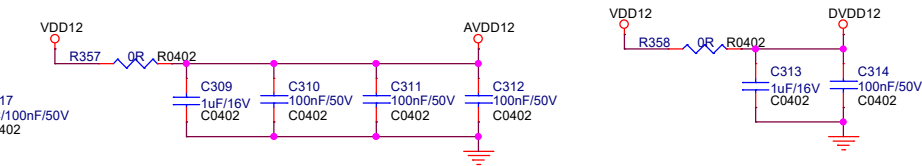
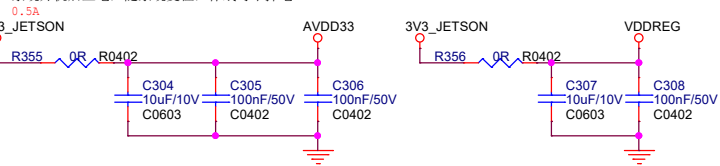


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C	06.USB		
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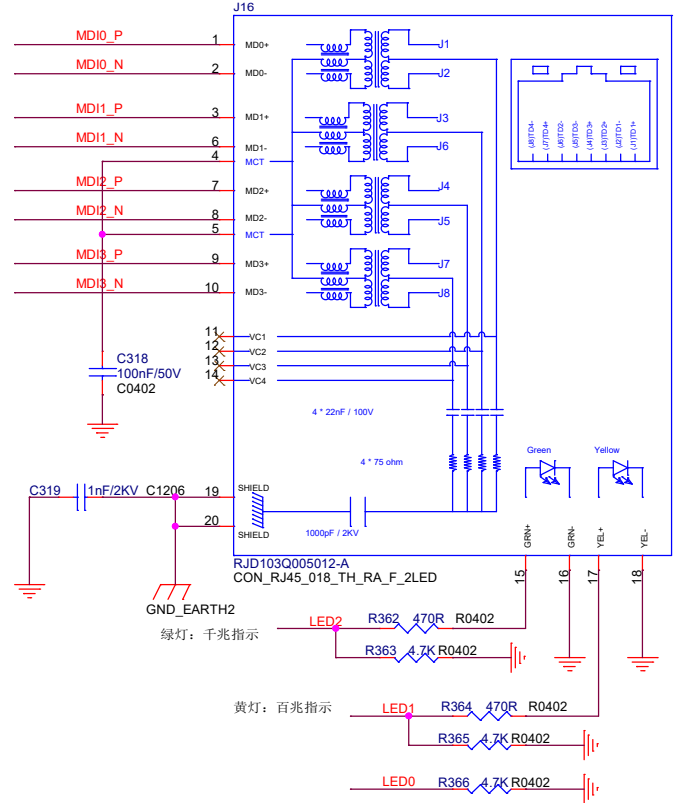
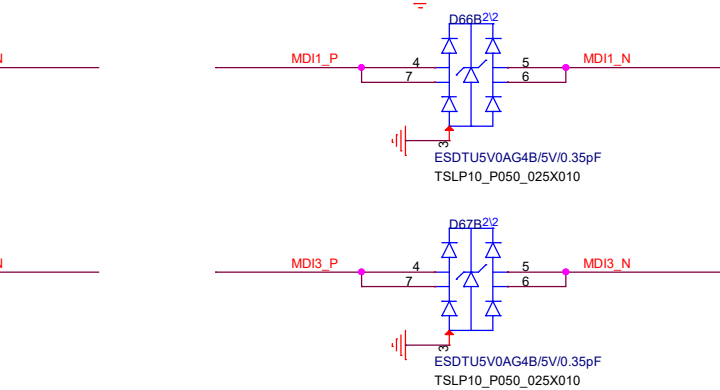
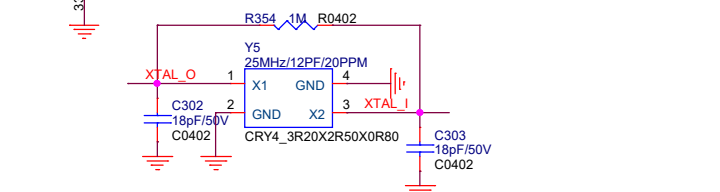


EEPROM Mode Selection 0: EEPROM Size less than or equal to 16Kbits 1: EEPROM Size greater than 16Kbits	
Define switch core ID ID = (switch_id_1, switch_id_0)	
Select SPI Interface 0: Select spi Interface 1 1: Select spi Interface 0	
Enable Power on Light 0: Disable Power on Light 1: Enable Power on Light	
Enable Embedded MCU 0: Disable Embedded MCU 1: Enable Embedded MCU	
Disable EEPROM/FLASH Autoload 0: Disable EEPROM/FLASH autoload 1: Disable EEPROM/FLASH autoload	
Enable Embedded PHY 0: Disable Embedded PHY 1: Enable Embedded PHY	
EEPROM SMI/MII Management Interface Selection 0: MII Management Interface 1: EEPROM SMI Interface	
Enable SPI FLASH Interface 0: Disable Flash interface 1: Enable Flash interface	

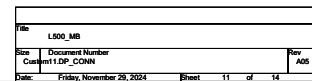
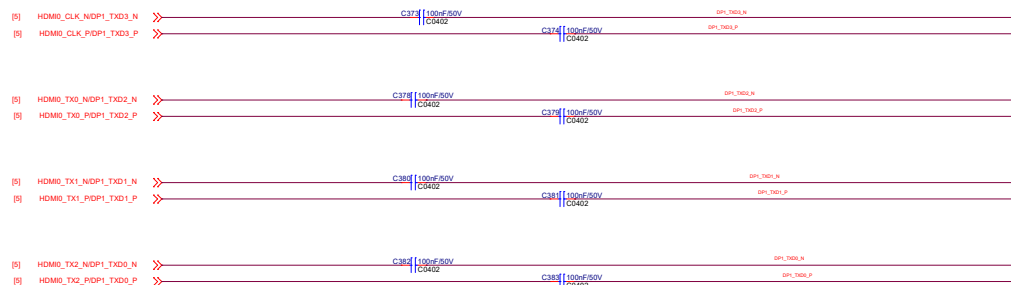
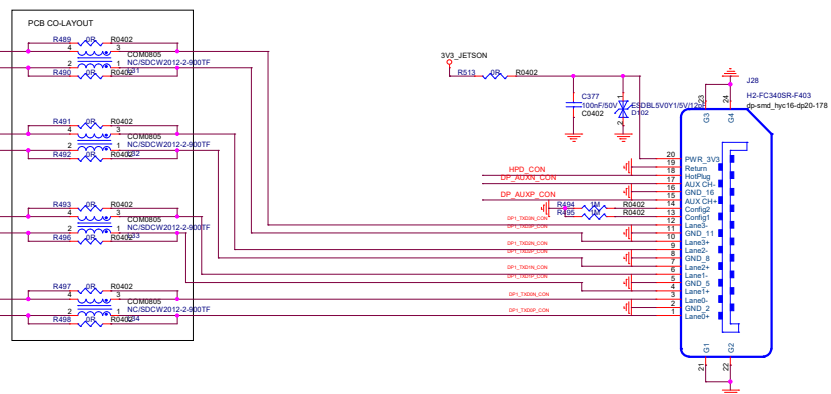
系统开机后上电，随系统复位，休眠时不掉电

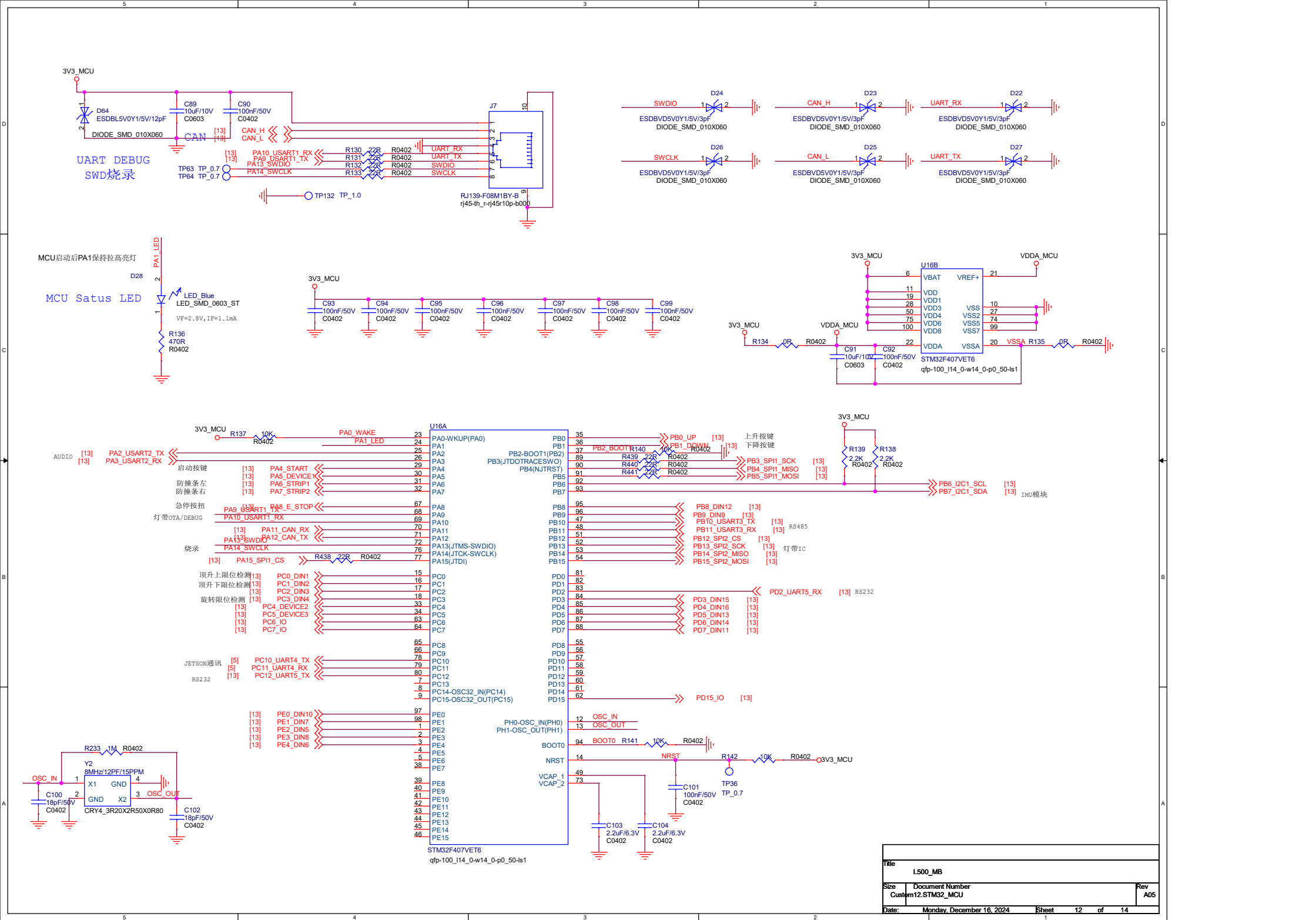


100 Ohm $\pm 10\%$
GEN1

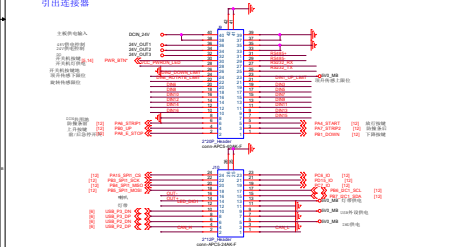


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B	08.PCIE to Gigabit	A05
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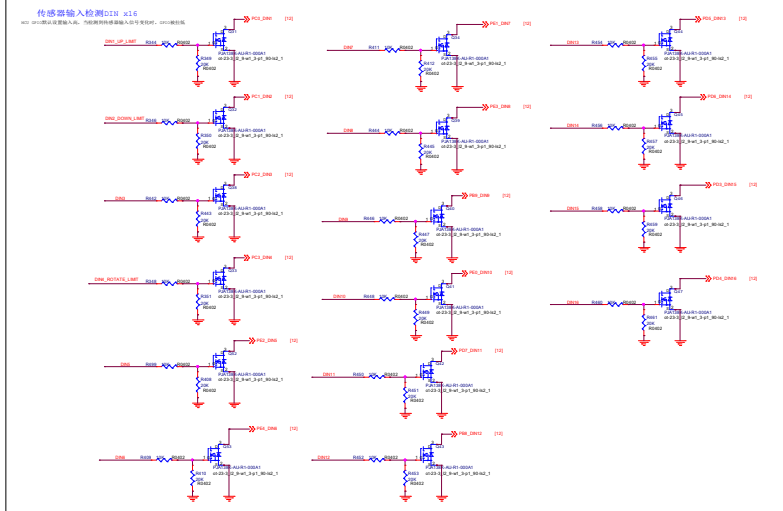
引出连接器



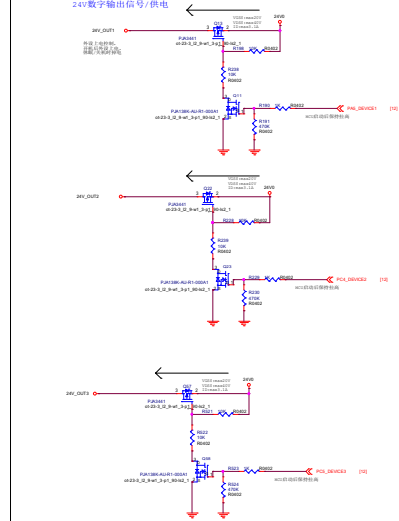
5508-5510



传感器输入检测DIN x16

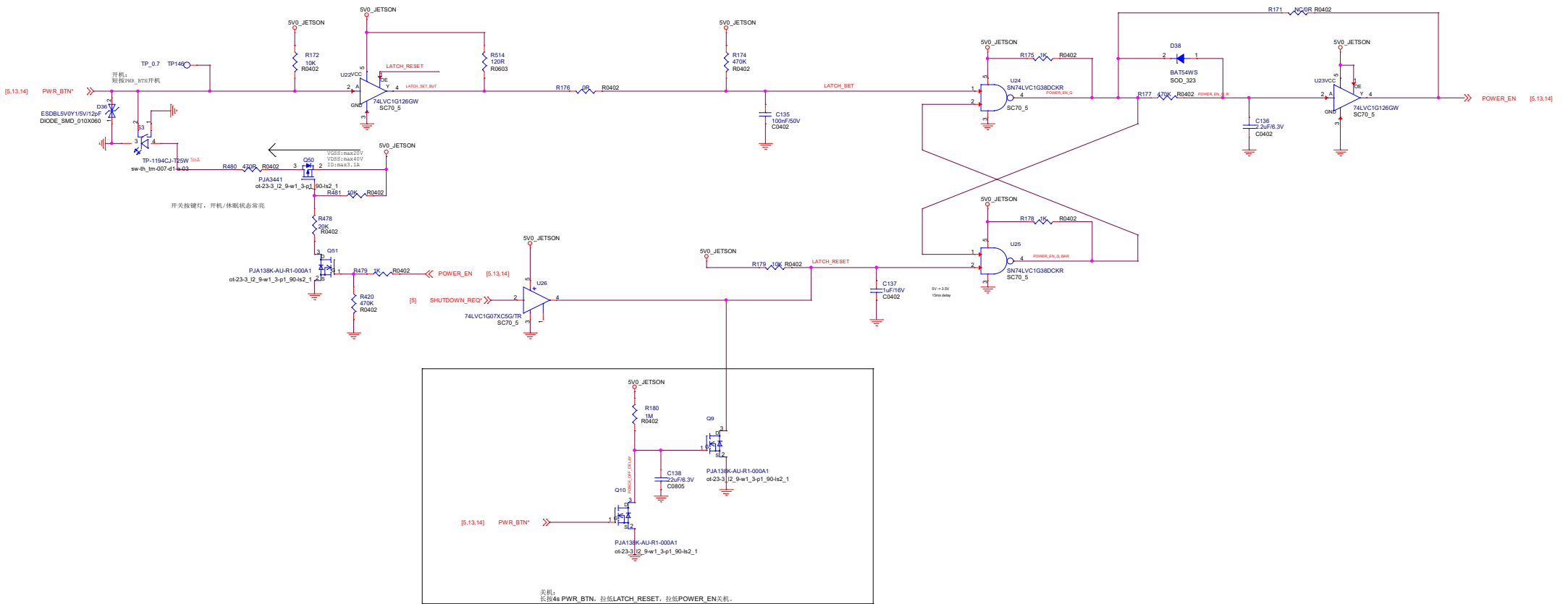


24V数字输出信号/供电



L000_M0									
100% Discharge Waiver Comm'n 12 Est_Decline									
DATE	Monday, December 16, 2008				Time	12	07	14	

Module Power ON/OFF logic



Title			
L500_MB			
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Customer	14.Power ON/OFF Logic		A05
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