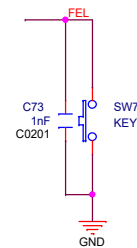
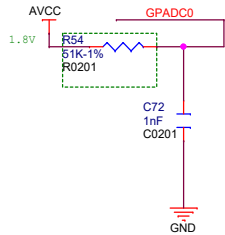
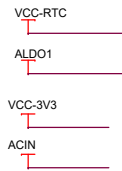
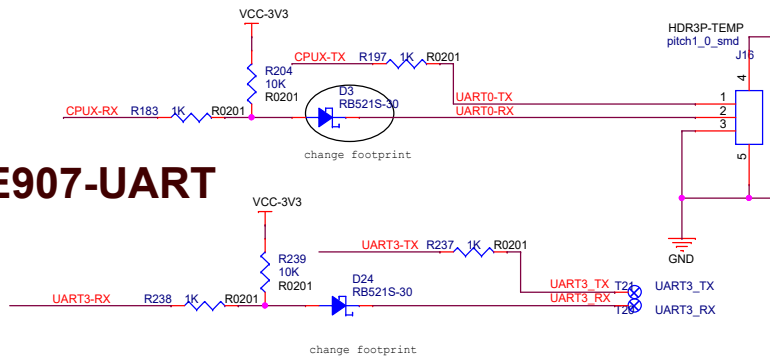
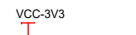


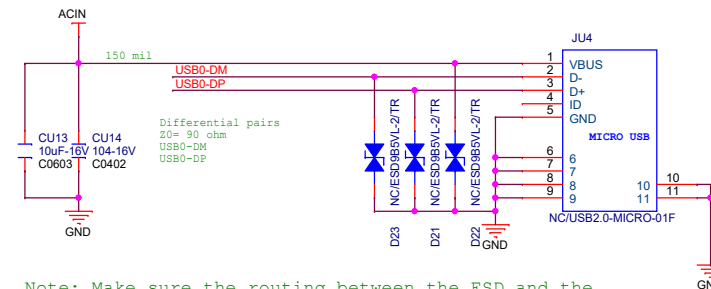
KEY



CPUX DEBUG

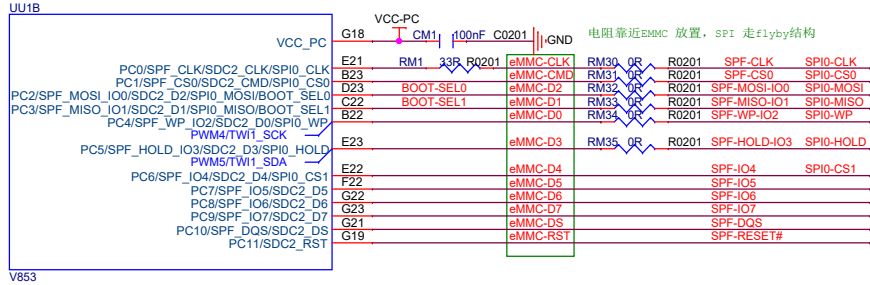


microUSB



Note: Make sure the routing between the ESD and the USB connectors should be on the same PCB side

FLASH



摆放成一排或者一列，便于拆料

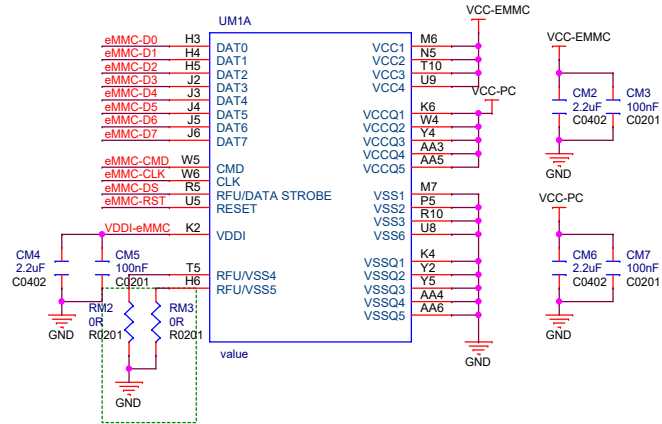
BOOT-SEL



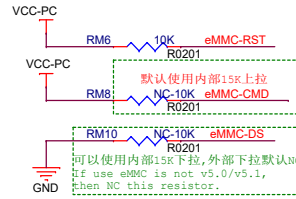
电阻靠近信号分叉点放置，以免影响信号质量

```
boot_sel[1:0]
0 0 SPI NAND->SPI NOR (4线)->SPI NOR (1线)->USB
0 1 SPI NOR (4线)->SPI NOR (1线)->SPI NAND->USB (快起)
1 0 SDIO->SPI NAND->SPI NOR (4线)->SPI NOR (1线)->UART BRUN->USB
1 1 (默认) SDIO->SPI NOR (4线)->SPI NOR (1线)->EMMC2_USR->EMMC2_BOOT->
SPI NAND->UART BRUN->USB
```

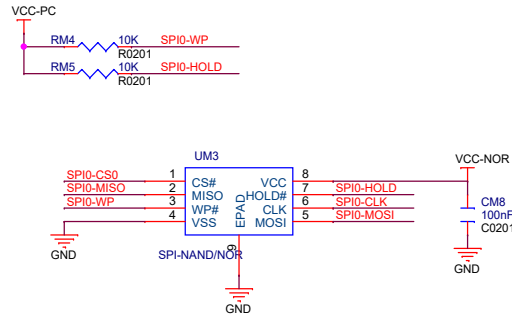
eMMC



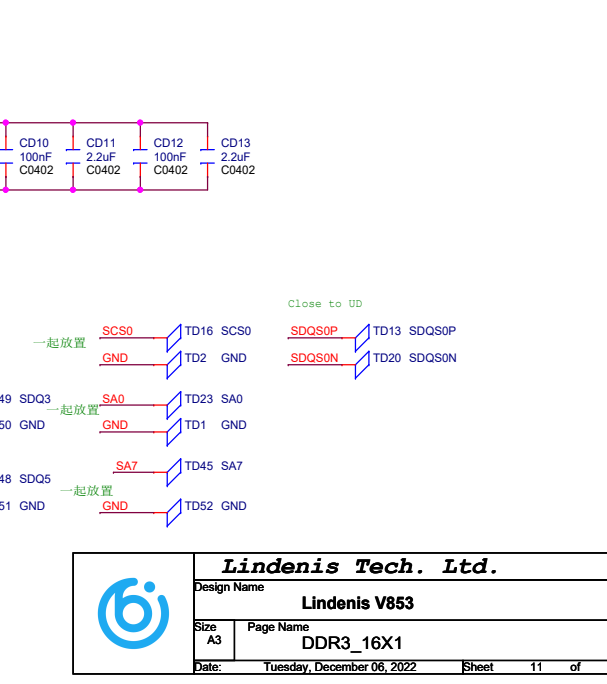
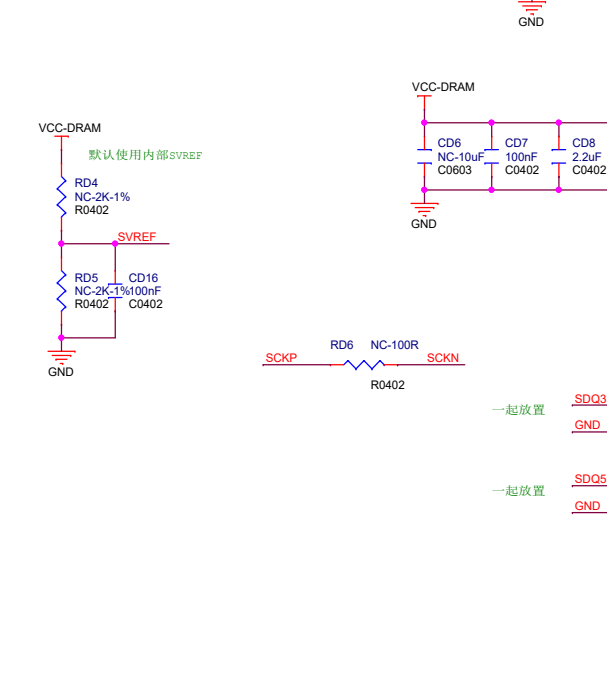
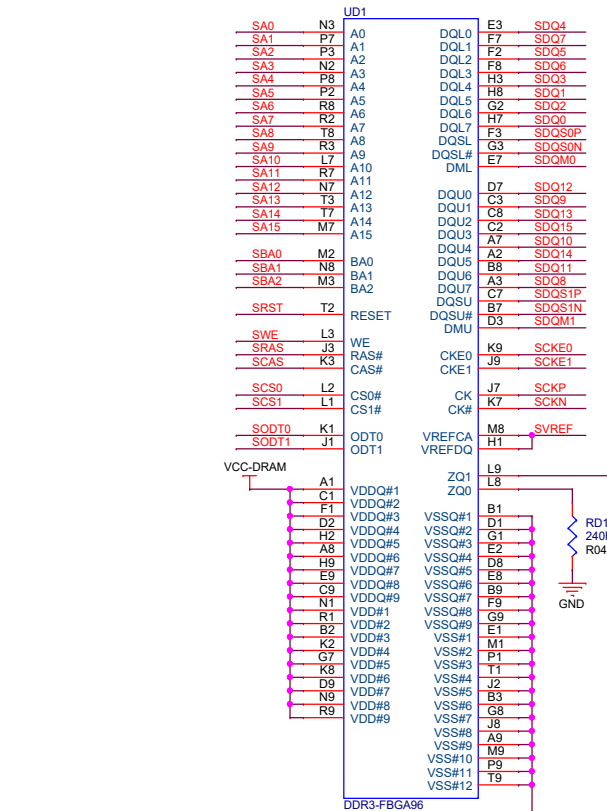
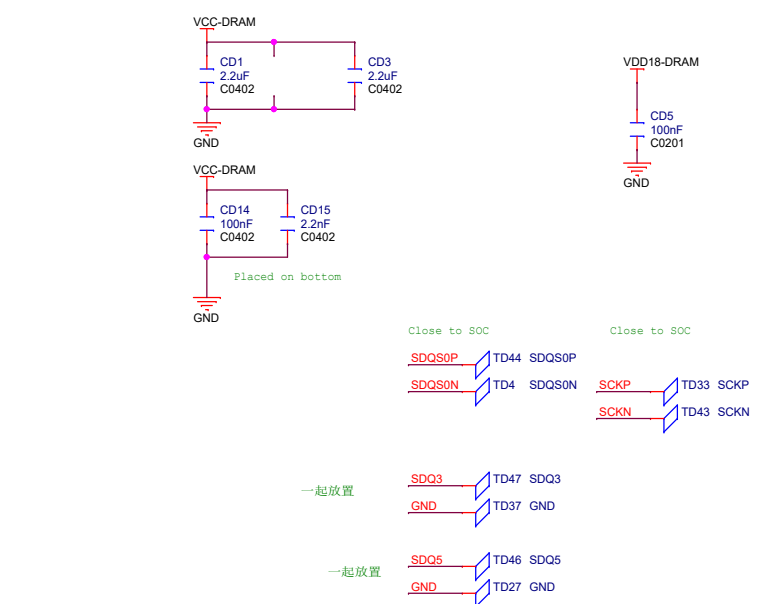
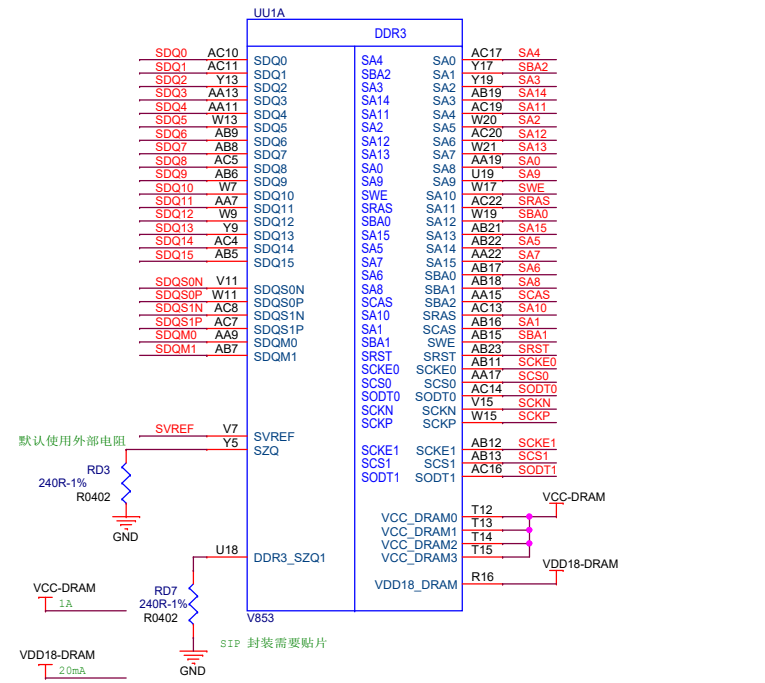
If eMMC is not v5.0/v5.1, then NC this two resistors.



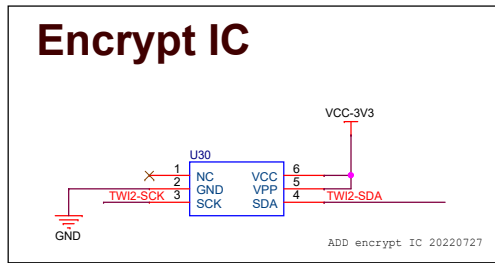
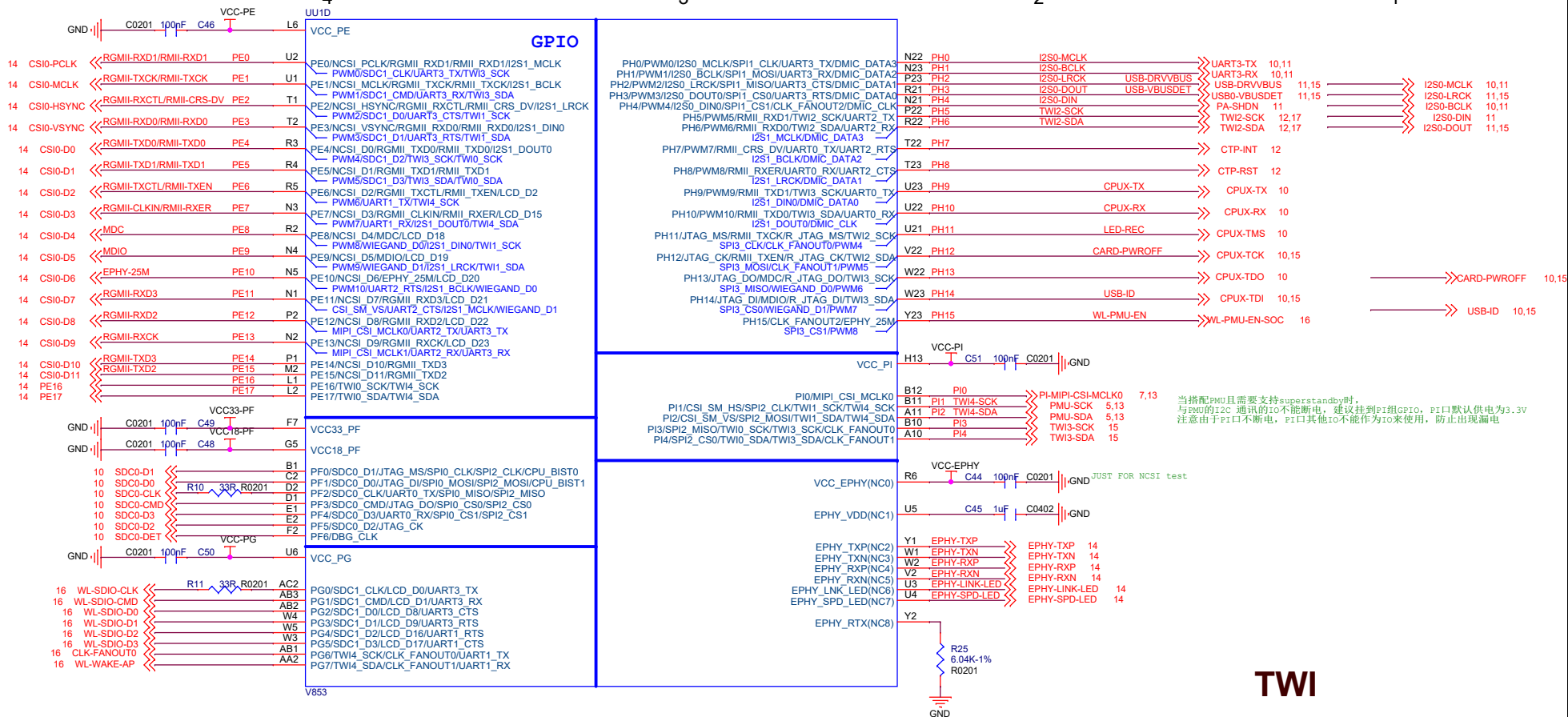
PC-SPI0



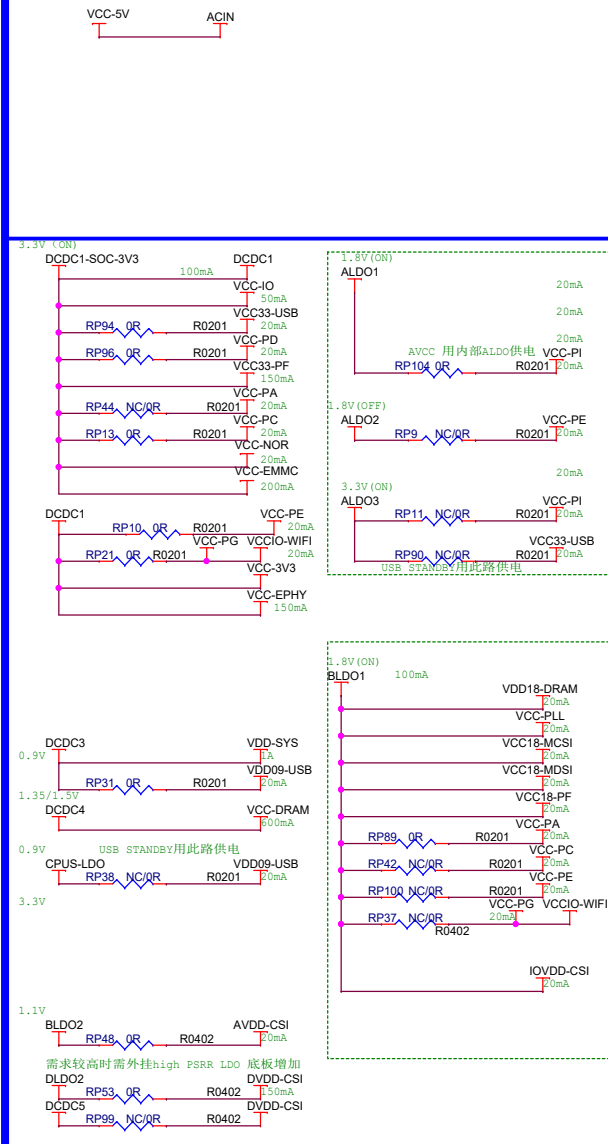
DDR3 16X1



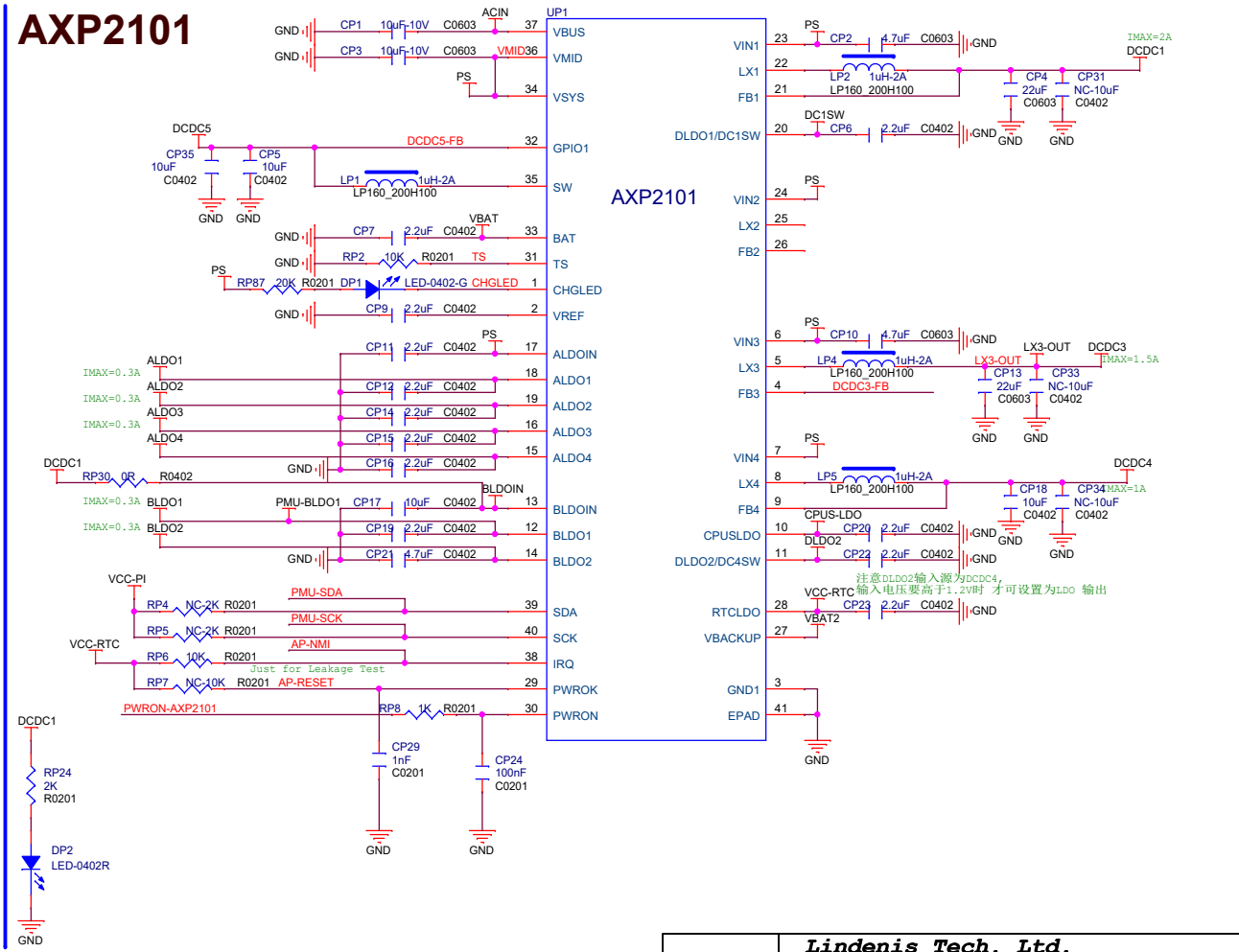
SOC



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AXP2101



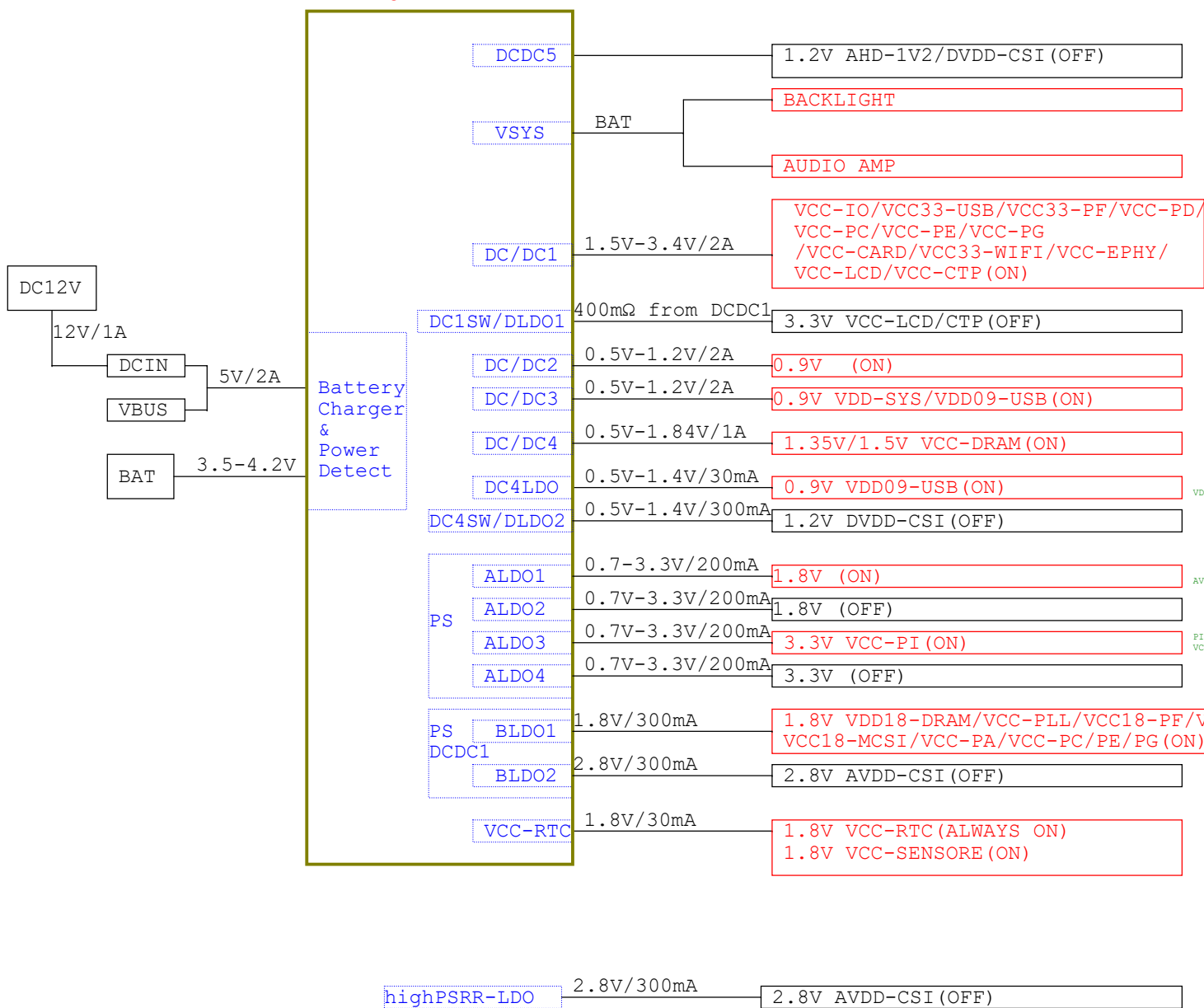
- PS
- 6 VDD-SYSFB << DCDC3-FB
- 7.13 PMU-SDA
- 7.13 PMU-SCK
- 6 AP-RESET
- PWRON-AXP2101
- 5.15 AP-NMI
- 6.15 TS

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POWER TREE

AXP2101

DEFAULT POWER ON
 DEFAULT POWER OFF

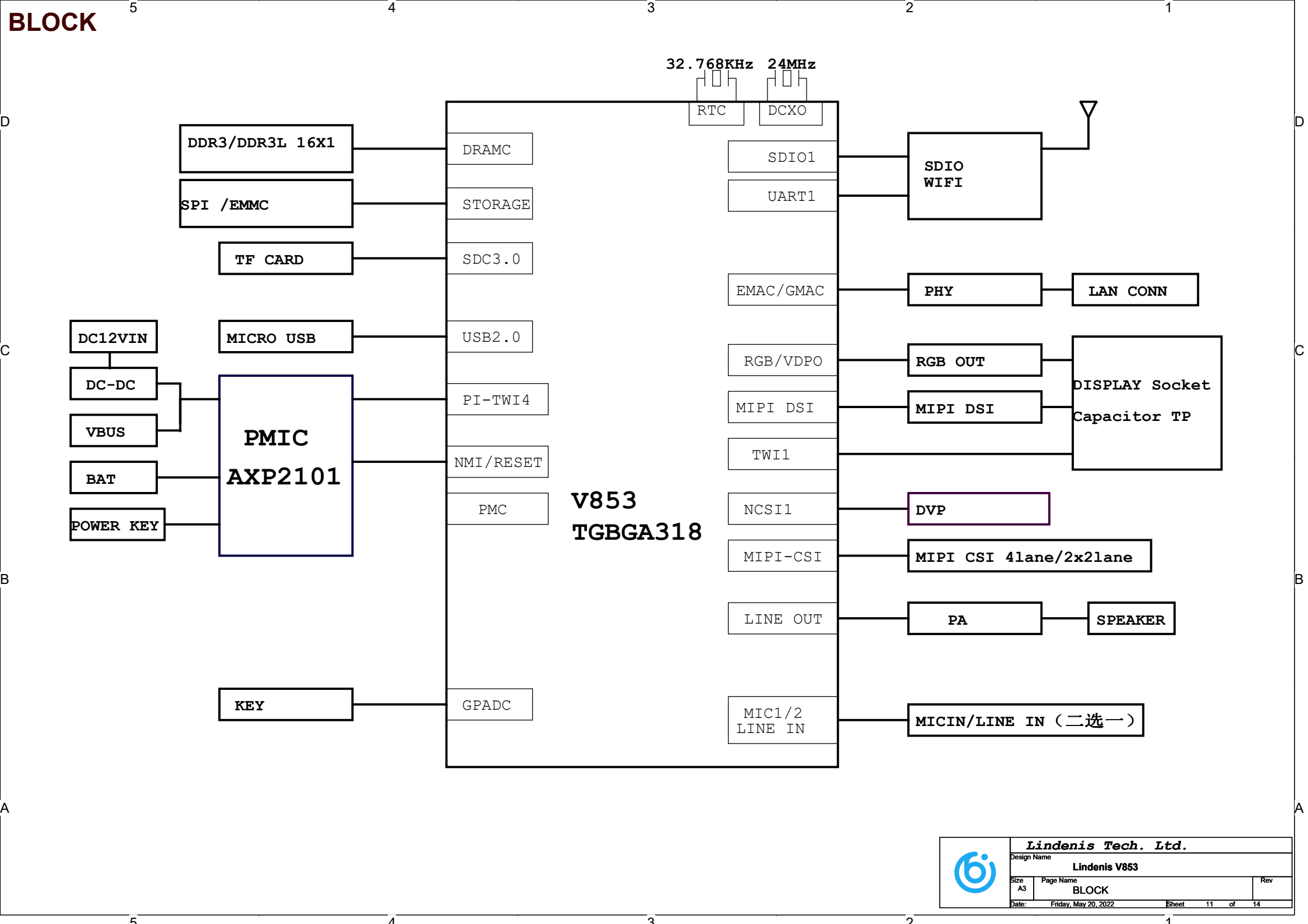


VCC-PC/VCC-PE/VCC-PG 开发板默认为3.3V
VCC-PA/PI开发板默认为1.8V

VDD09-USB for usb standby

AVCC 默认使用内部LDO输出

PI口供电外挂一个LDO转1.8V(开发板)
VCC33-USB for usb standby



BLOCK


**V853
TGBGA318**

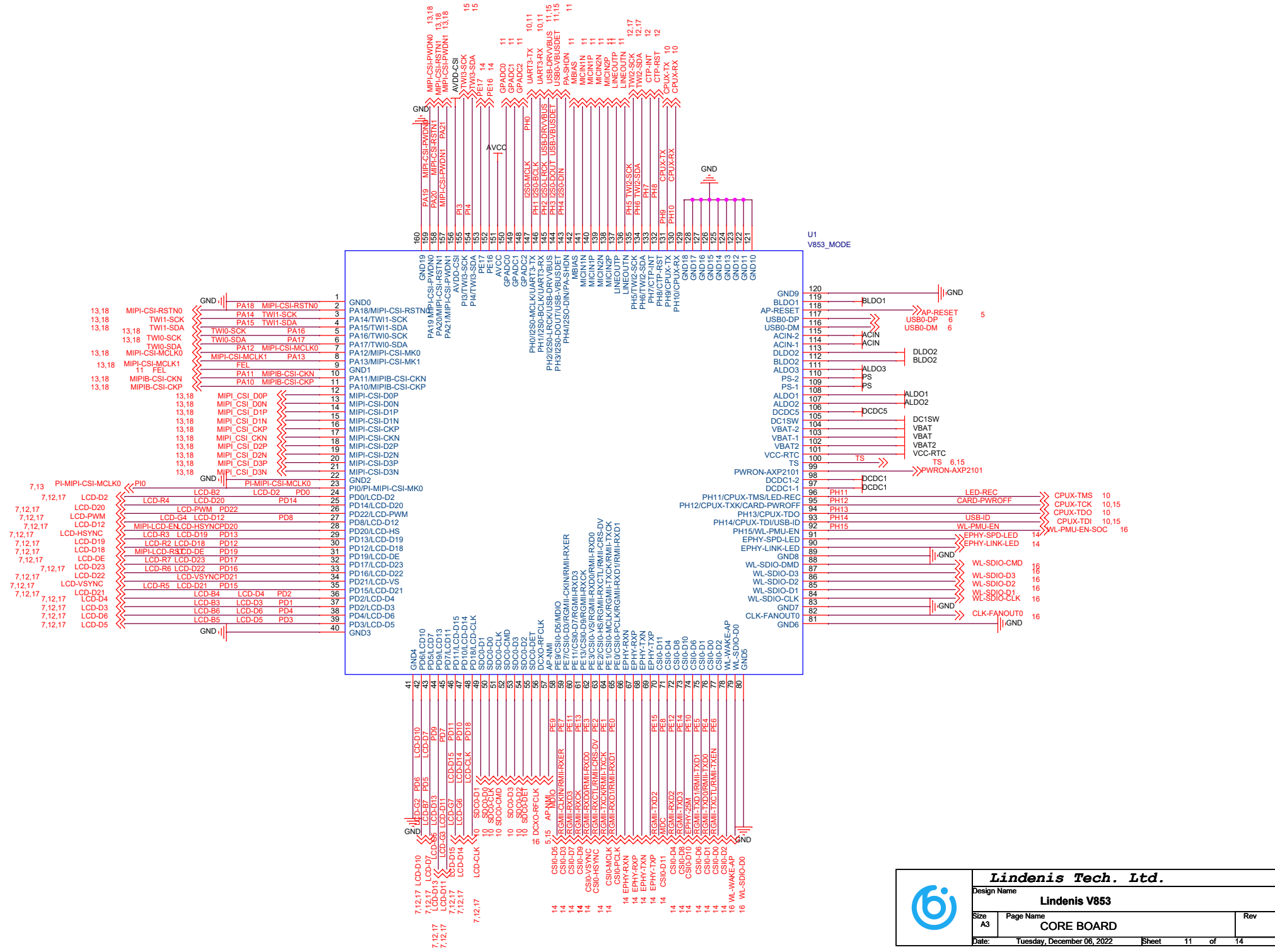
REVISION HISTORY

Revision	Description	Date	Drawn	Checked
Ver 0.1	Initial Version	2022-05-20		

Schematics Index:

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- P02: BLOCK
- P03: POWER TREE
- P04: POWER
- P05: CPU
- P06: GPIO
- P07: DDR3 16X1
- P08: eMMC/SPI FLASH
- P09: MIPI CSI/CSI
- P10: KEY/USB/DEBUG
- P11: CORE BOARD

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