

1

Date: Tuesday, September 10, 2013 Sheet 5 of 16

POWER

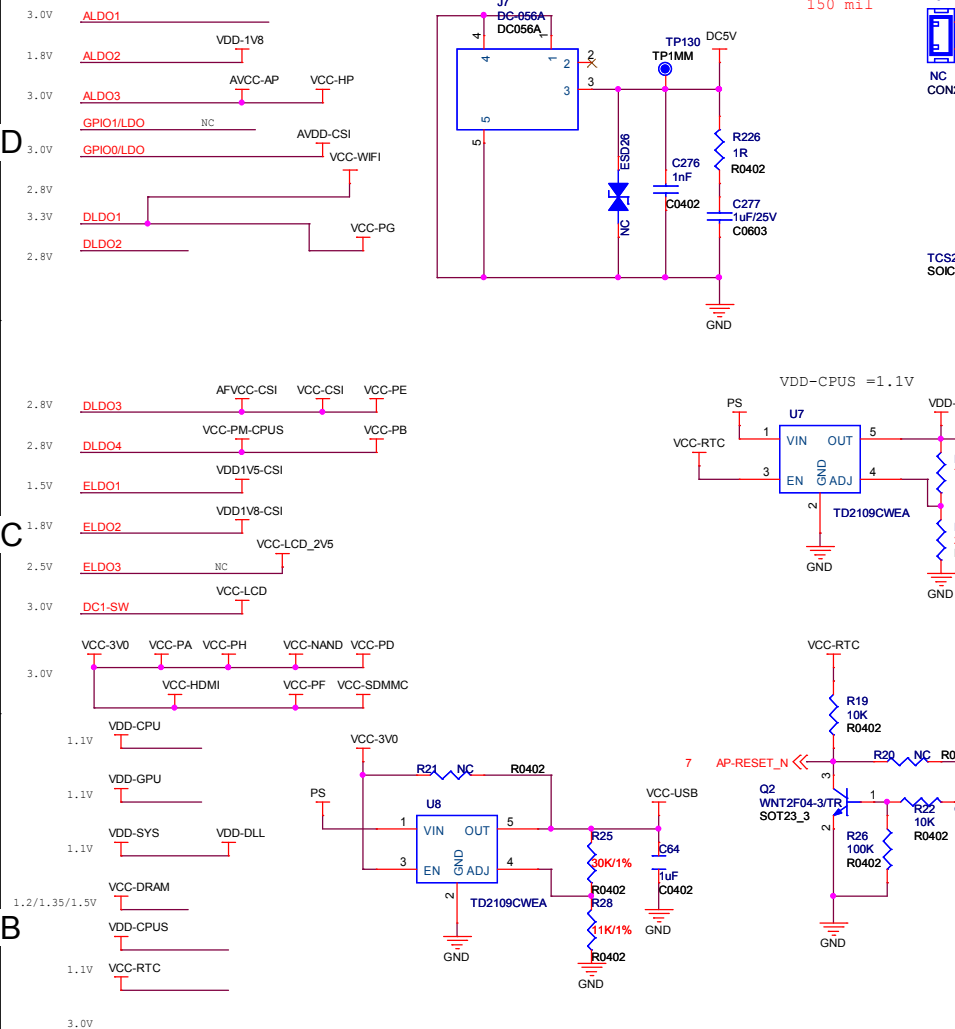
5

D

C

B

A



| Name | Default Voltage | Maximum Current | Comment | Name | Default Voltage | Maximum Current | Comment |
|-------|-----------------|-----------------|----------------------------------|---------|-----------------|-----------------|-------------------------------------|
| DCDC1 | 3.0V | 1A | For GPIO Default ON | DLDO1 | 0V | 400mA | Default OFF |
| DCDC2 | 1.1V | 2A | For GPU Default ON | DLDO2 | 0V | 200mA | Default OFF |
| DCDC3 | 1.1V | 2A | For CPU Default ON | DLDO3 | 0V | 200mA | Default OFF |
| DCDC4 | 1.1V | 600mA | For System Default ON | DLDO4 | 0V | 100mA | Default OFF |
| DCDC5 | 1.2V | 2A | For DRAM Default ON | ELDO1 | 0V | 400mA | Default OFF |
| ALDO1 | 0V | 300mA | Default OFF | ELDO2 | 0V | 200mA | Default OFF |
| ALDO2 | 1.8V | 300mA | For 1.8V IO/LPDDR2 Default ON | ELDO3 | 0V | 200mA | Default OFF |
| ALDO3 | 3V | 200mA | For SOC Analog Default ON | DC5LDO | 1.1V | 200mA | For CPUS, From DC/DC5 Default ON |
| GPIO0 | 0V | 100mA | Default OFF | DC1SW | 3.0V | 0.1ohm | For LCD, From DC/DC1 Default OFF |
| GPIO1 | 0V | 100mA | Default OFF | RTC-VCC | 3V | 30mA | For RTC Always On |

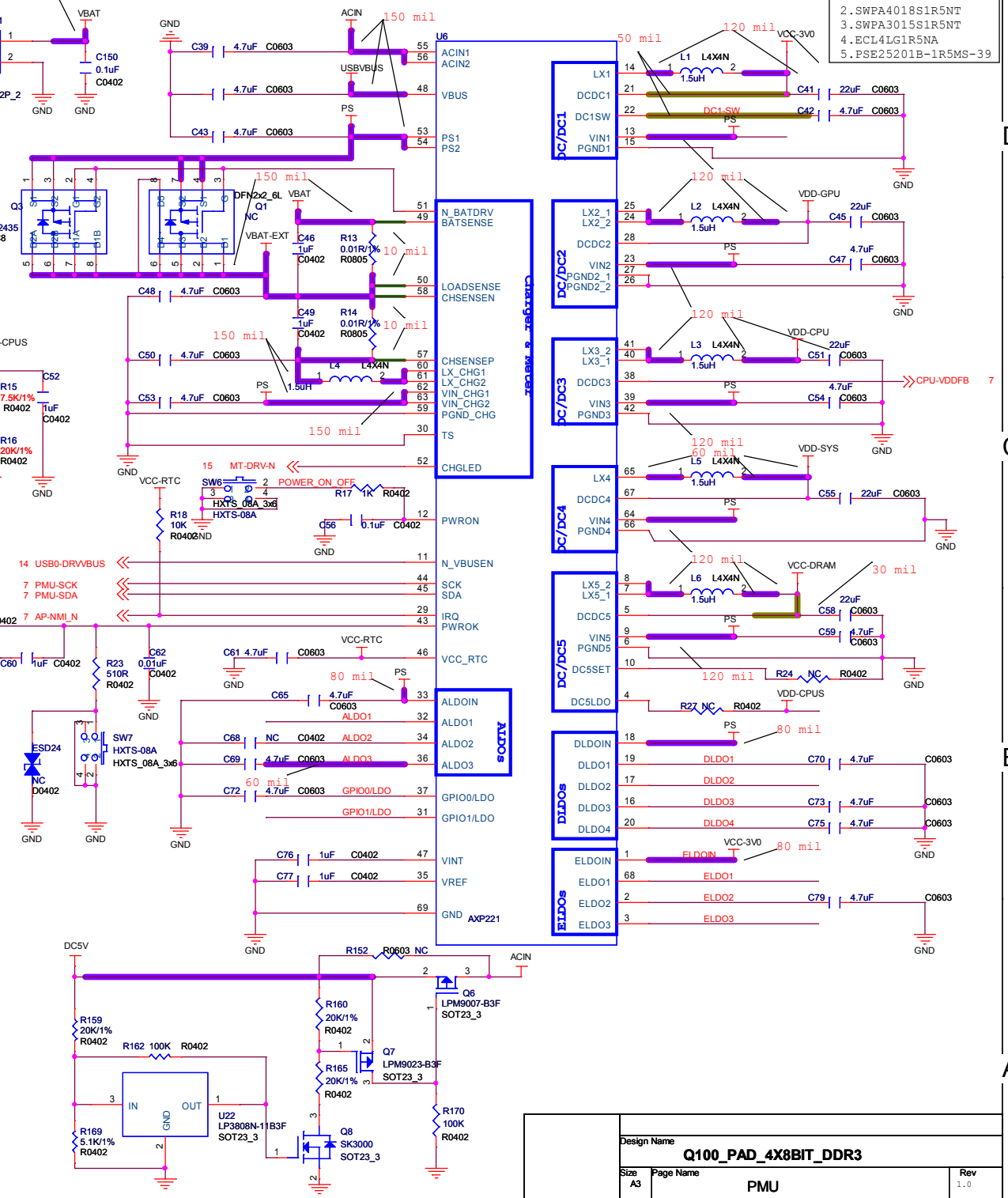
4

3

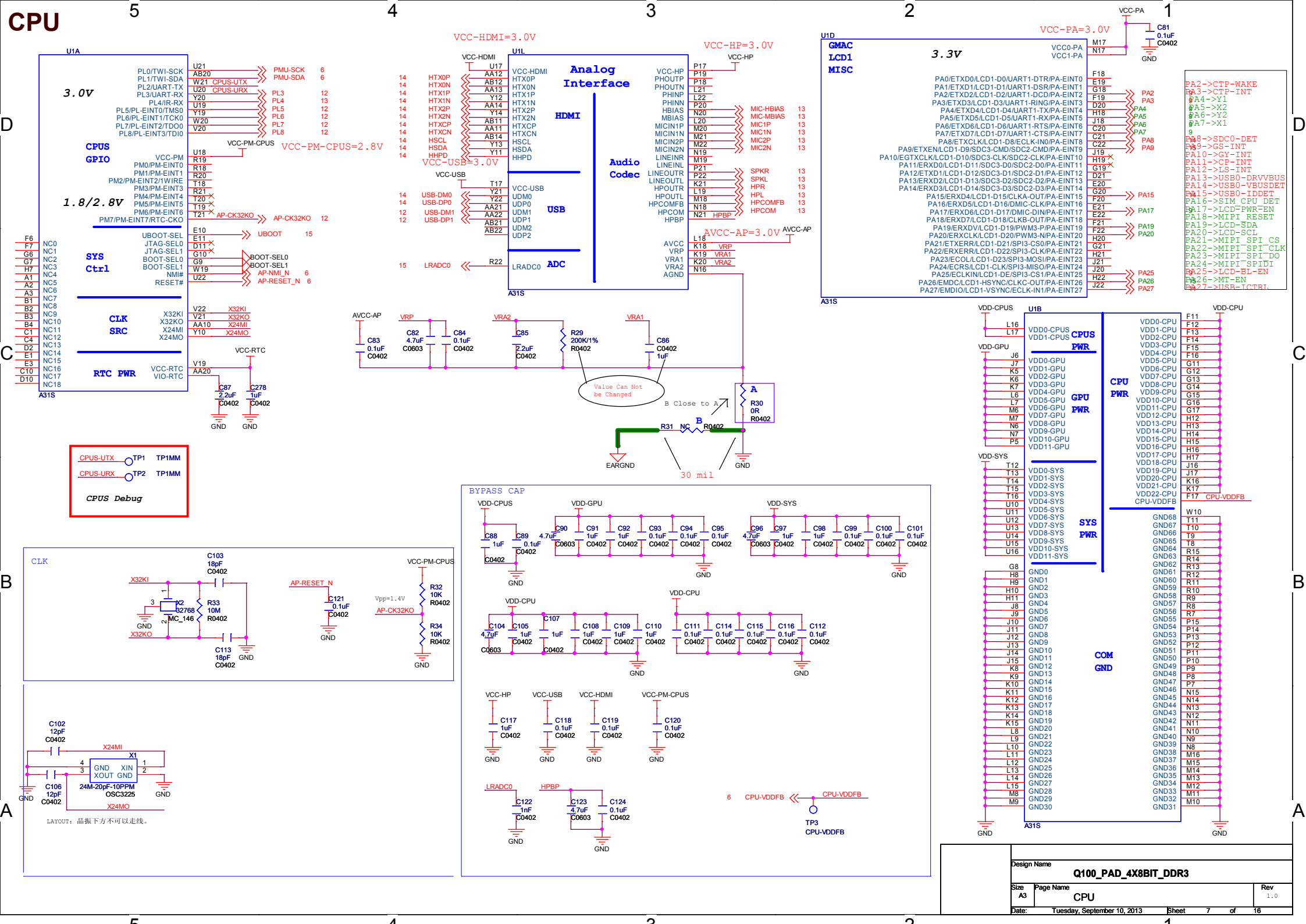
2

C40

1

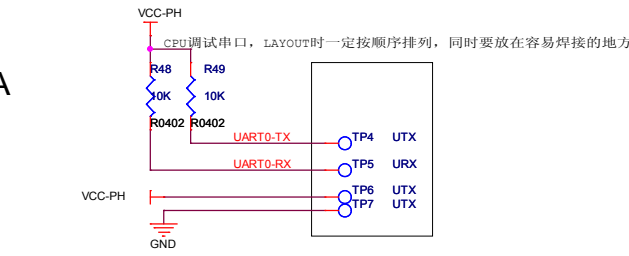
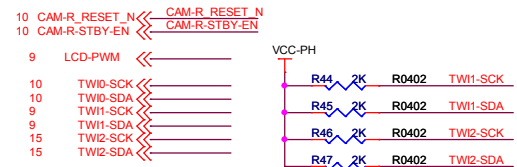
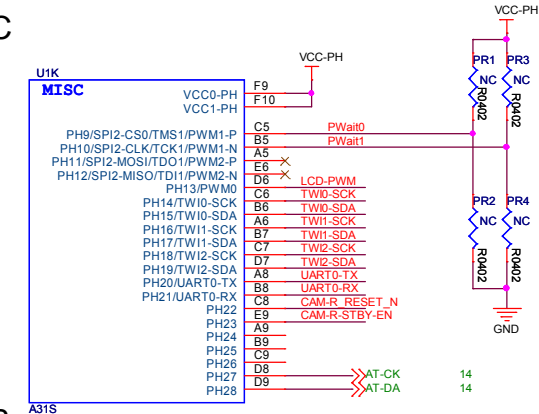
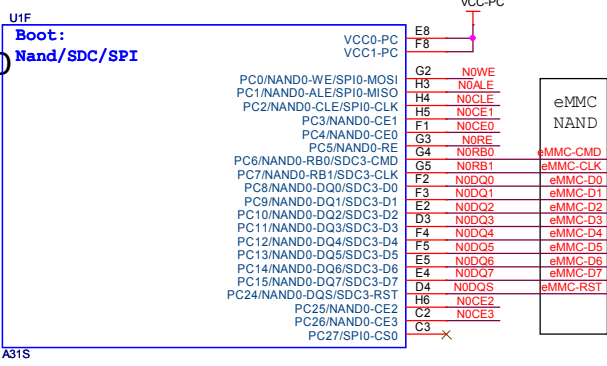


- Inductor option:
- 1.SPH40401R5METG
 - 2.SWPA4018S1R5NT
 - 3.SWPA3015S1R5NT
 - 4.ECL4LG1R5NA
 - 5.PSE25201B-1R5MS-39

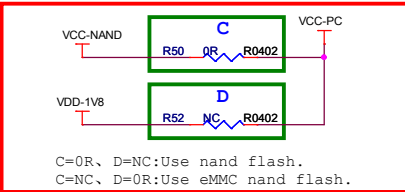
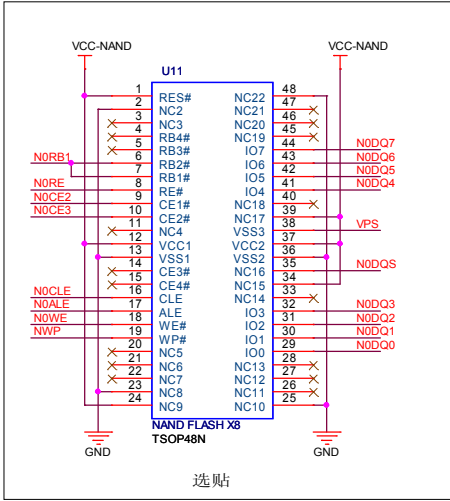
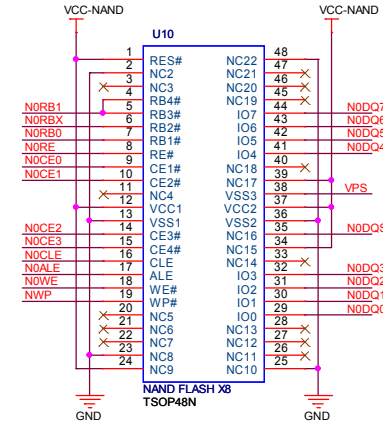
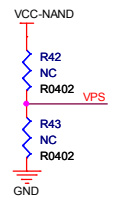
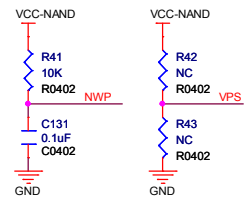
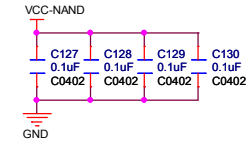
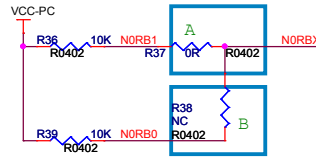
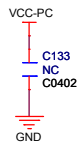
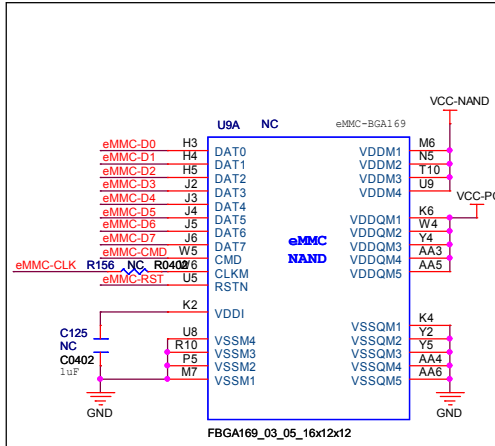


NAND

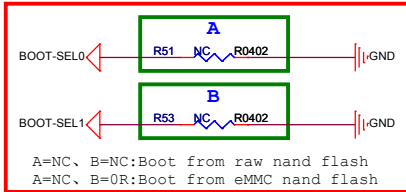
Nand Flash, eMMC



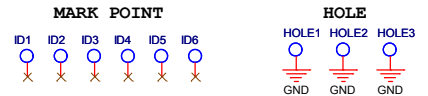
Both eMMC NAND and TSOP NAND layout together



B=0R、D=NC:Use nand flash.
C=NC、D=0R:Use eMMC nand flash.

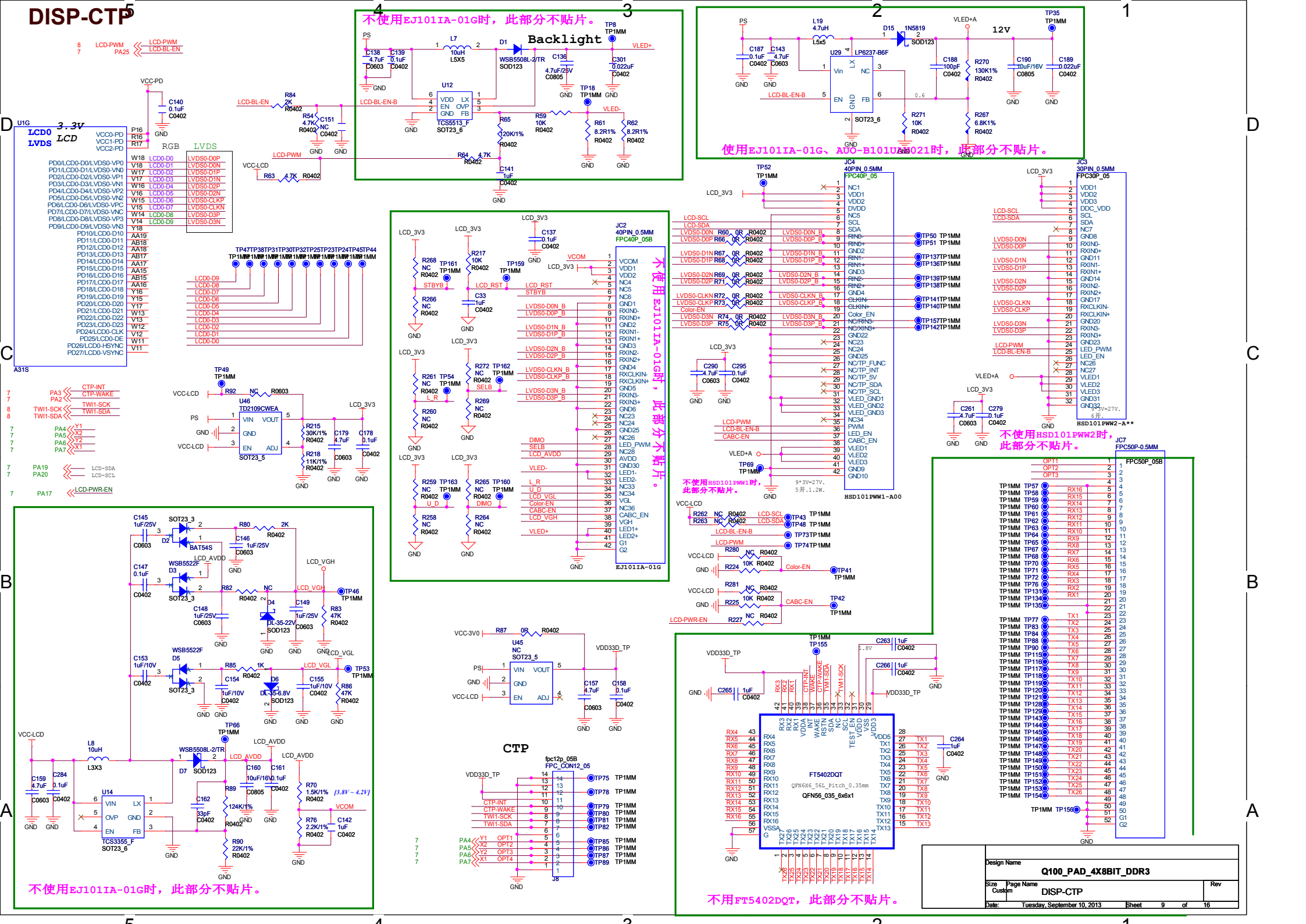


A=NC、B=NC:Boot from raw nand flash
A=NC、B=0R:Boot from eMMC nand flash

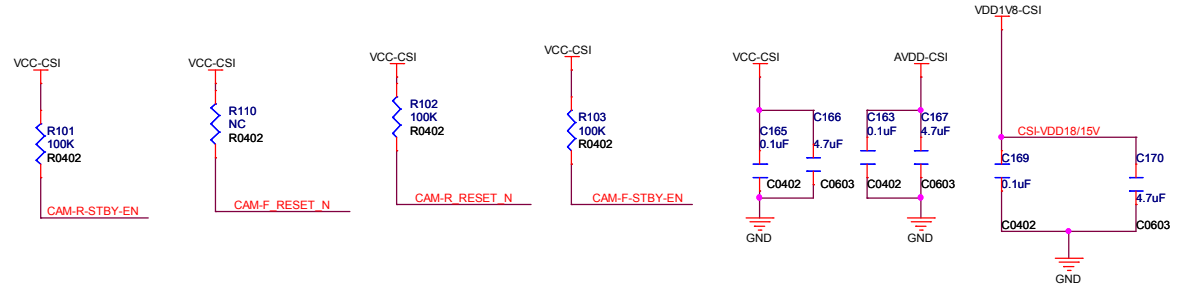
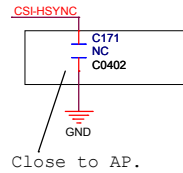
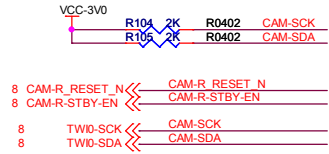
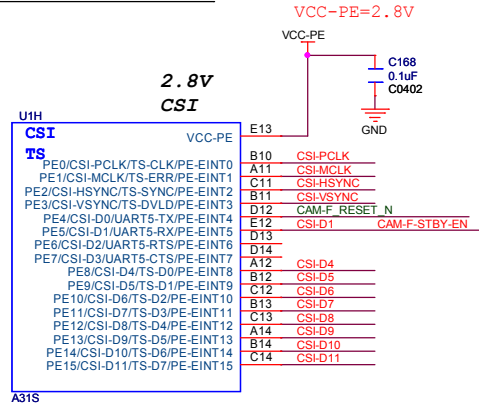


| | | | |
|----------------------|-----------------------------|-------|---------|
| Design Name | | | |
| Q100_PAD_4X8BIT_DDR3 | | | |
| Size | Page Name | Rev | |
| A3 | NAND | 1.0 | |
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DISP-CTP

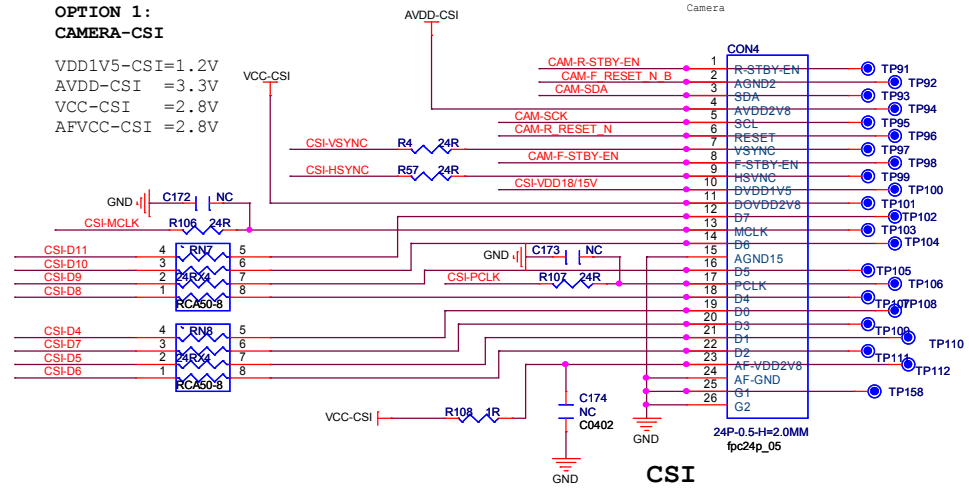


CAMERA



OPTION 1: CAMERA-CSI

VDD1V5-CSI=1.2V
AVDD-CSI =3.3V
VCC-CSI =2.8V
AFVCC-CSI =2.8V

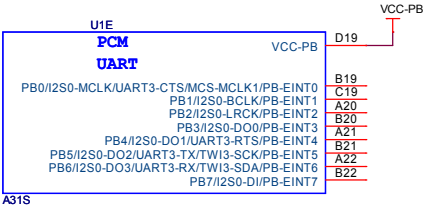


前30W, 后200W.

Camera

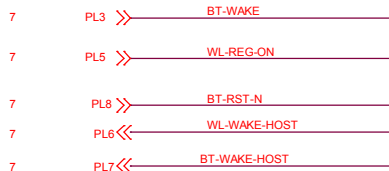
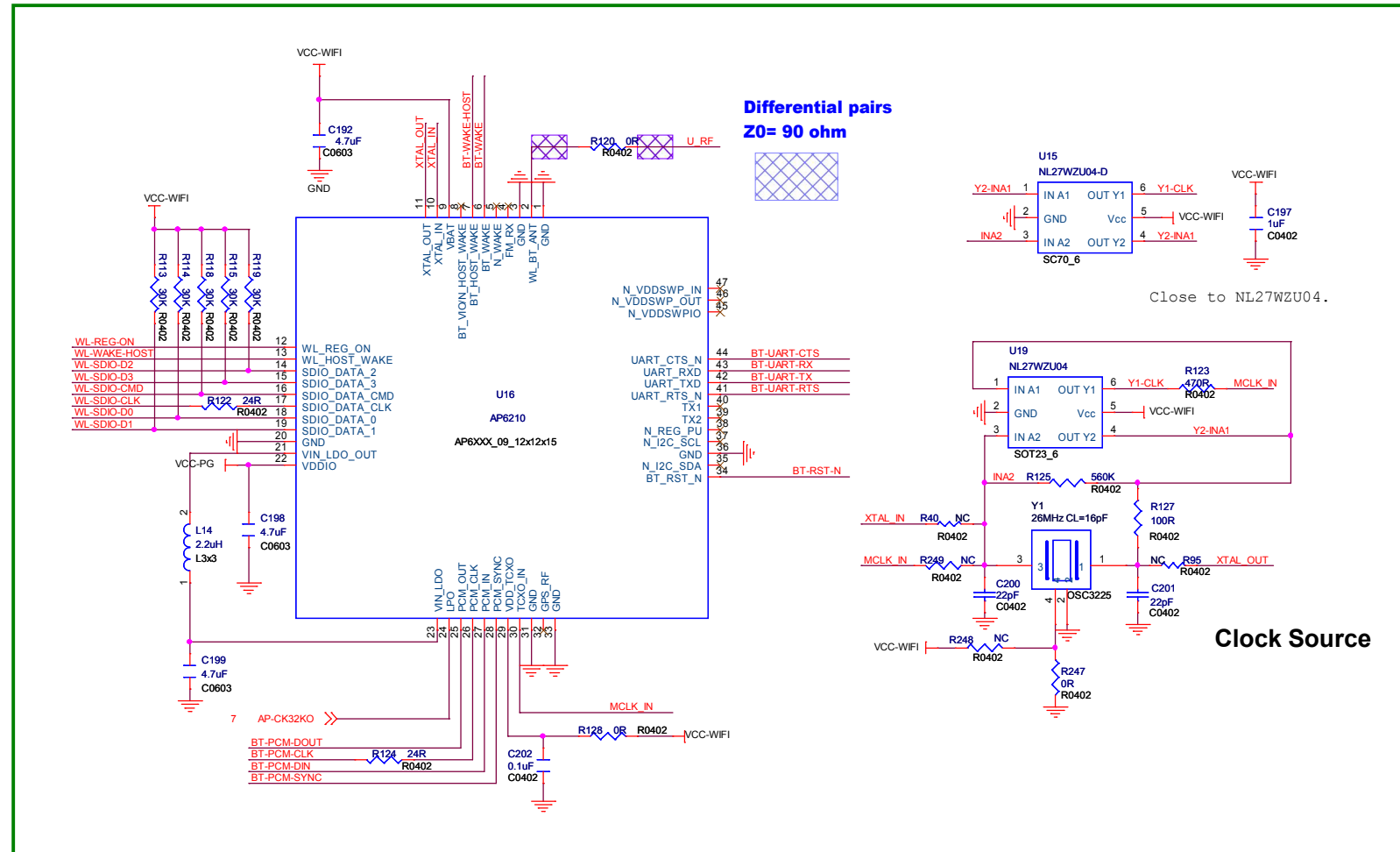
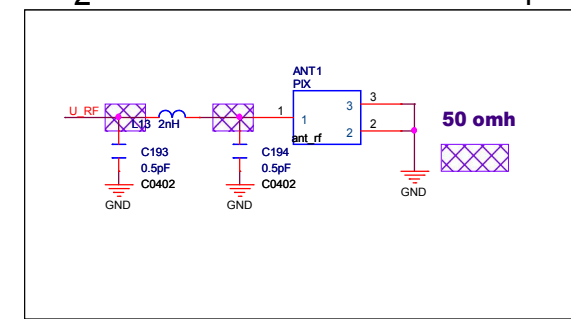
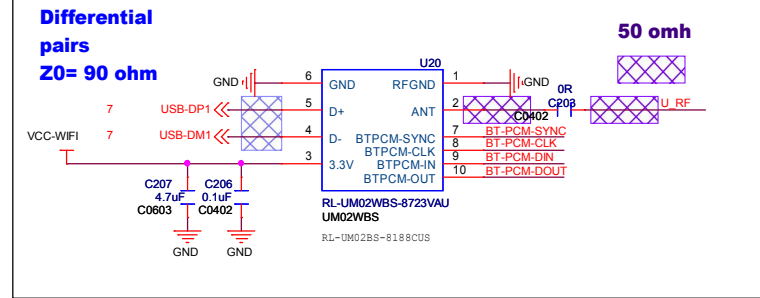
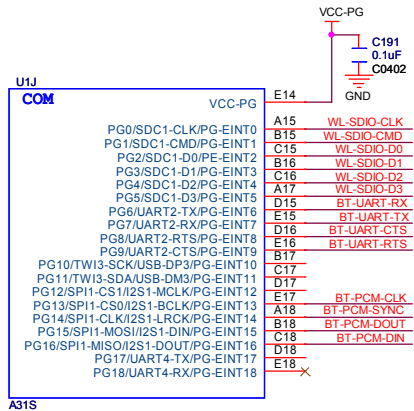
CSI

MODEM



| | | | |
|----------------------|-----------------------------|-------|----------|
| Design Name | | | |
| Q100_PAD_4X8BIT_DDR3 | | | |
| Size | Page Name | | Rev |
| A3 | MODEM | | 1.0 |
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WIFI-BT-GPS-FM



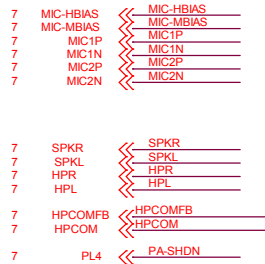
Design Name
Q100_PAD_4X8BIT_DDR3

Size Page Name
A3 WIFI-BT-GPS-FM

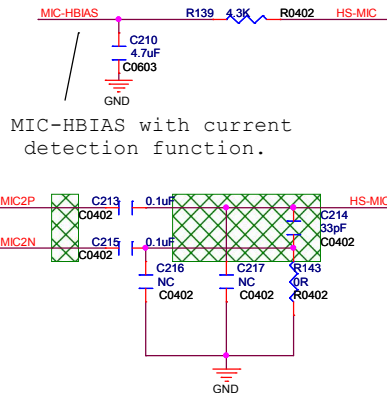
Rev
1.0

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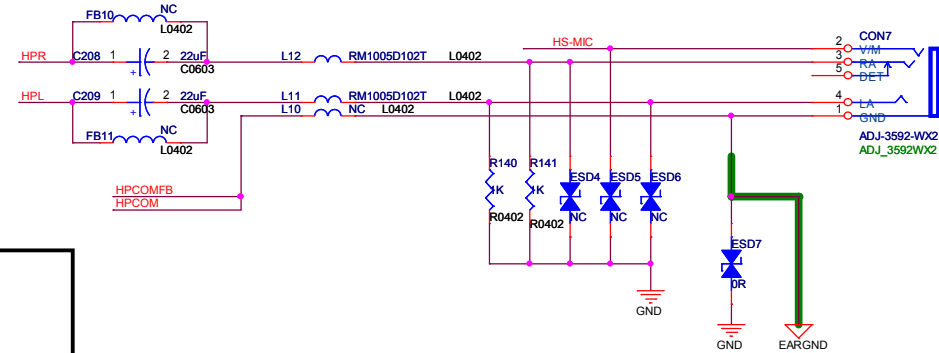
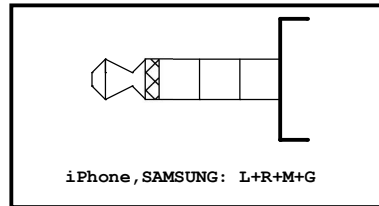
AUDIO IN/OUT



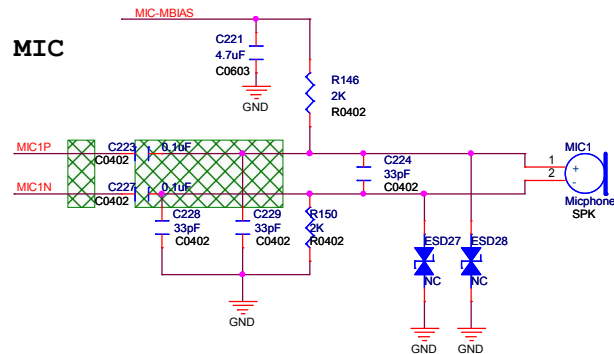
Head Phone



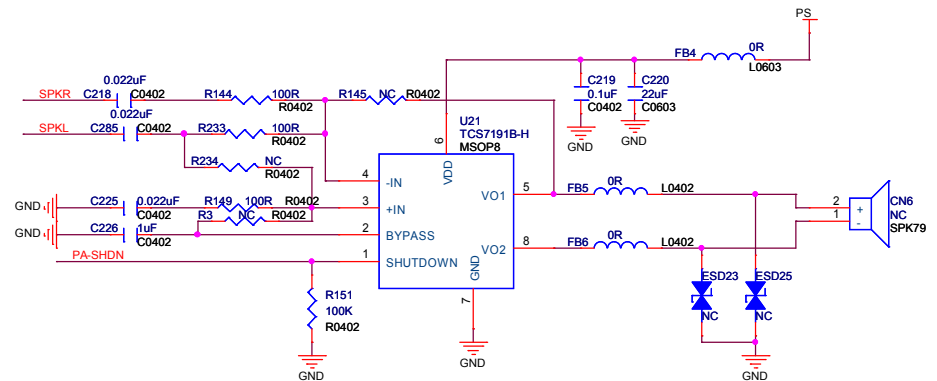
Differential pairs



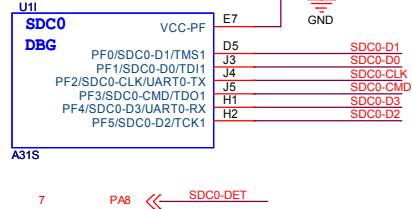
Differential pairs



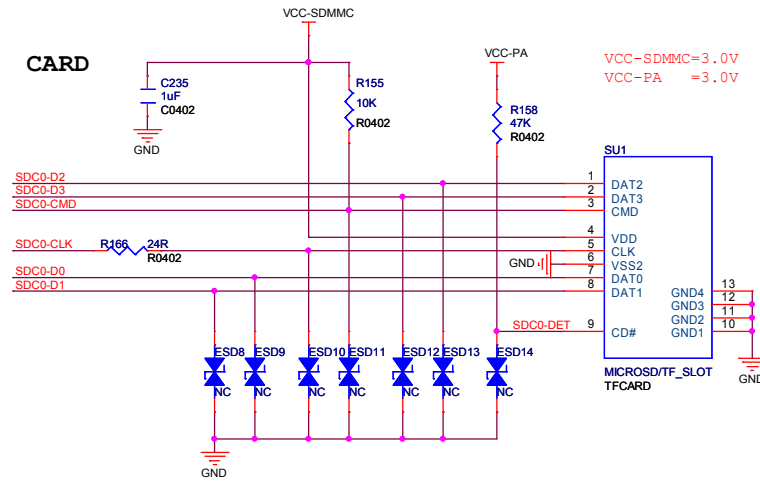
Speaker



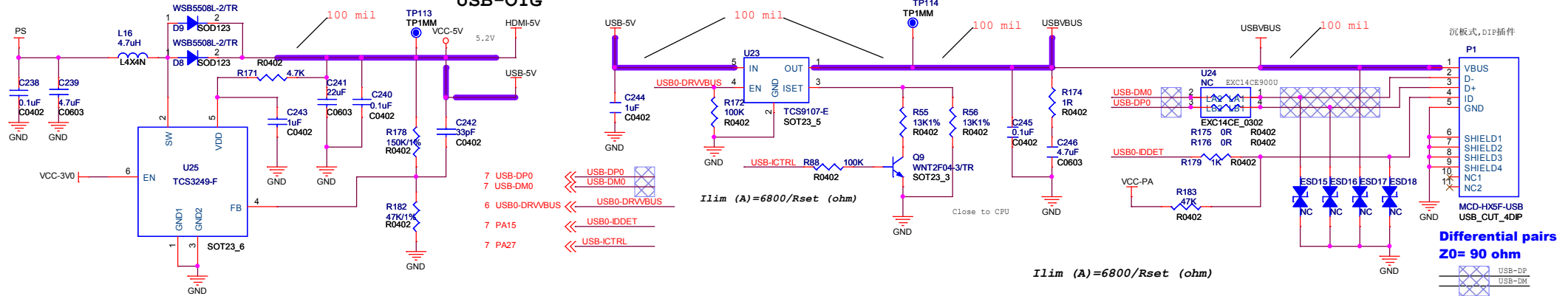
7



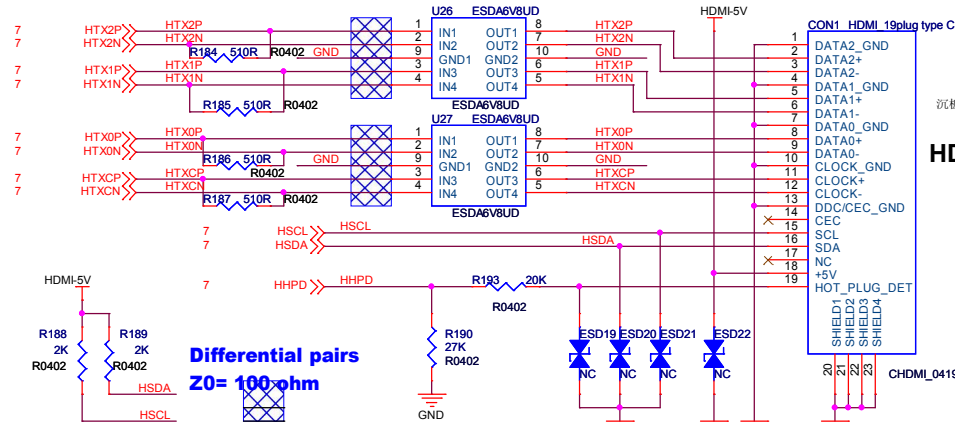
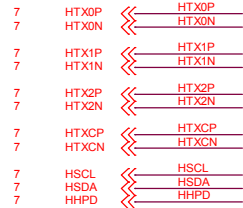
CARD



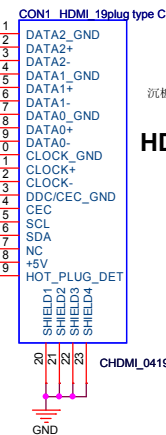
USB-OTG



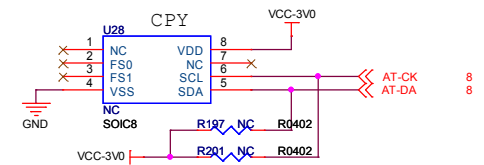
HD MI



HDMI



加密IC，如客户有需要时请加上

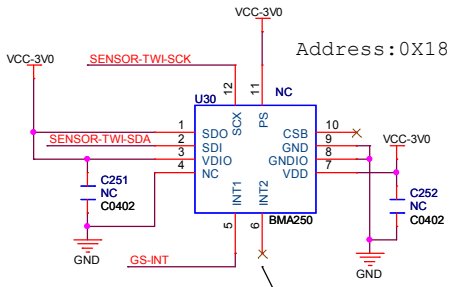


| | | | |
|----------------------|-----------------------------|-------|------------|
| Design Name | | | |
| Q100_PAD_4X8BIT_DDR3 | | | |
| Size A3 | Page Name | | Rev 1.0 |
| | USB-HDMI-CARD | | |
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SENSORS

8 TWI2-SCK << SENSOR-TWI-SCK
8 TWI2-SDA << SENSOR-TWI-SDA
7 PA9 << GS-INT

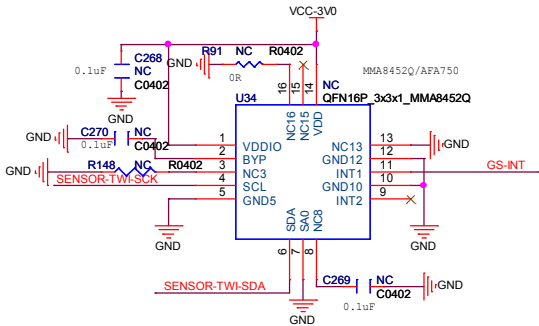
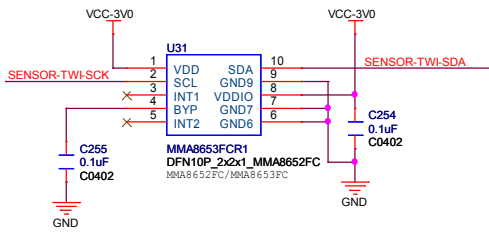
3D G-Sensor



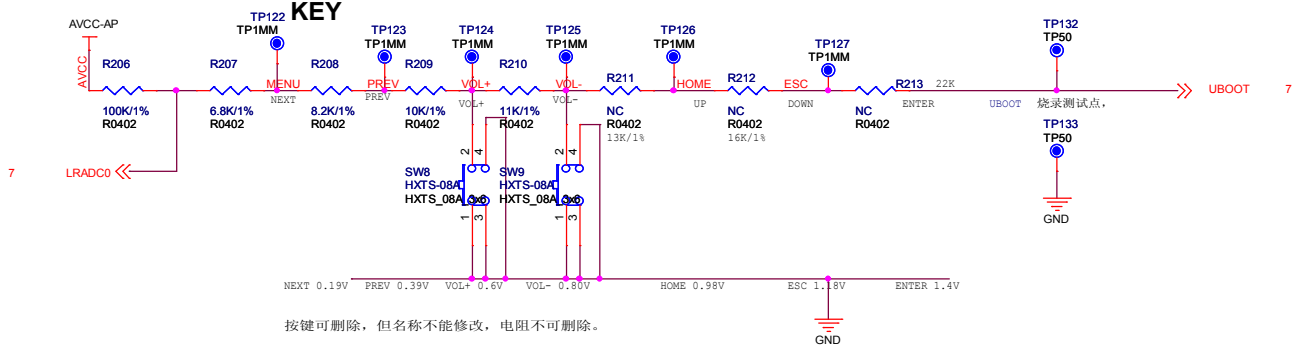
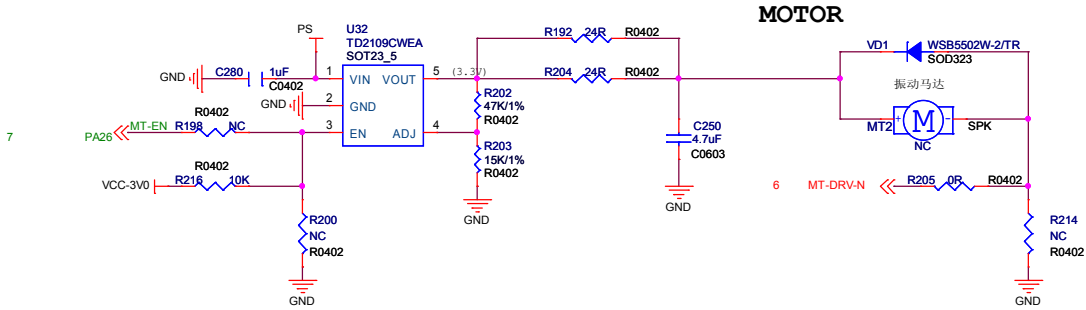
右上方放置PIN1脚，与屏平行放置，放在屏的左上方

1、The first pin paced on the left lower corner of product on top view.

3D G-Sensor



Motor 2-in-1 Light Sensor and Proximity Sensor



| | | |
|----------------------|-----------------------------|----------------|
| Design Name | | |
| Q100_PAD_4X8BIT_DDR3 | | |
| Size | Page Name | Rev |
| A3 | SENSORSs-KEY | 1.0 |
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