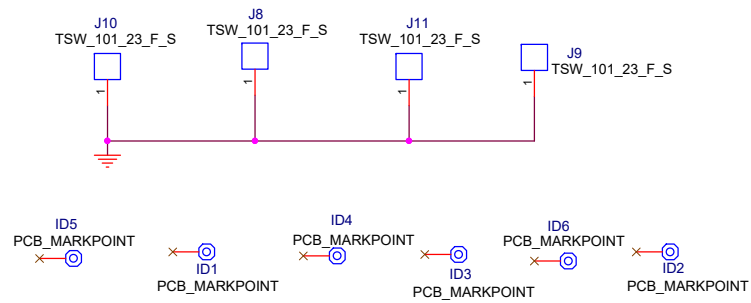
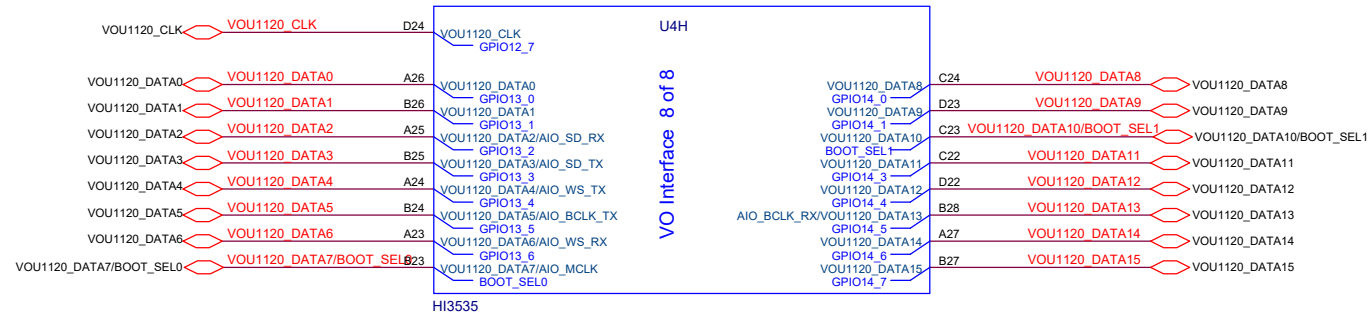
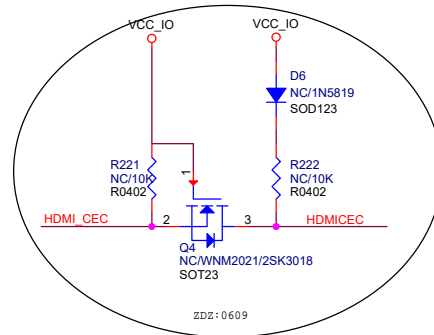
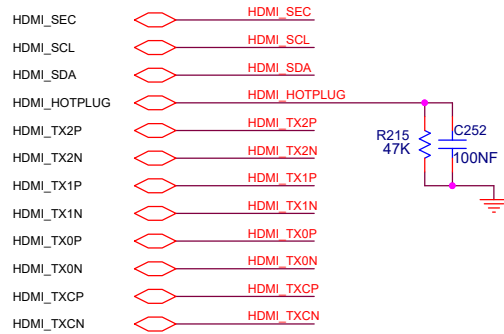


VO

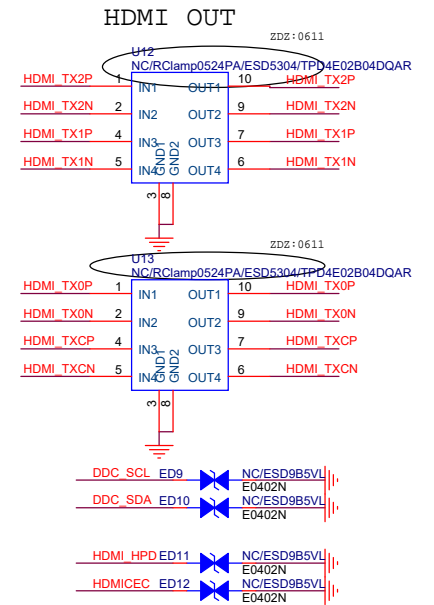
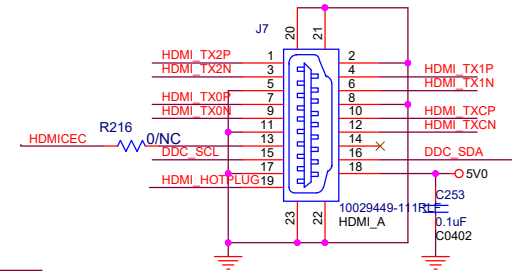
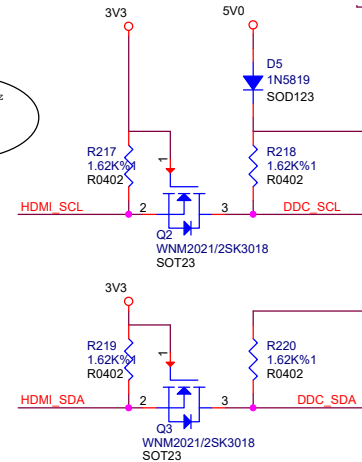


HDMI

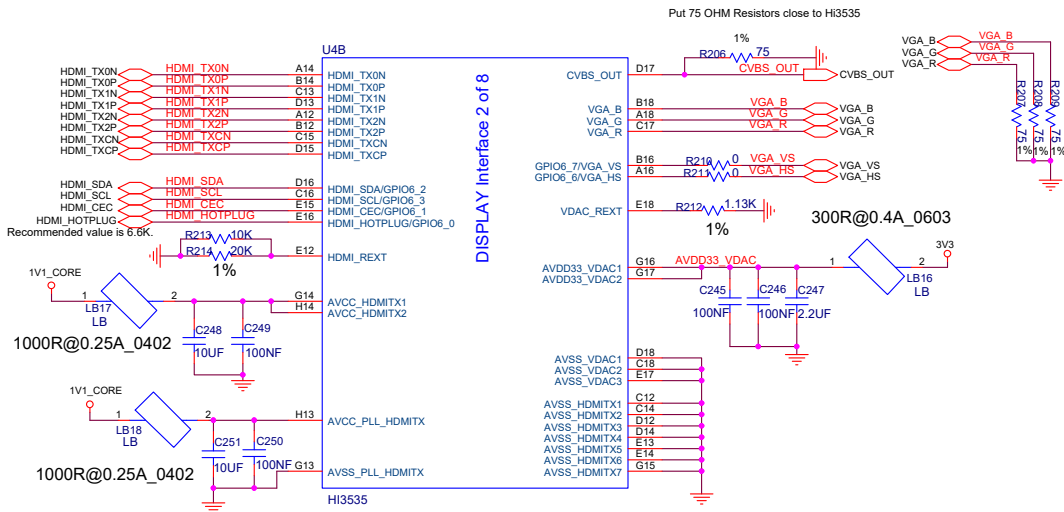
The HDMI differential trace impedance is 100 OHM.
The HDMI trace length is less than 5 inch.



04.22 zdz



DISPLAY

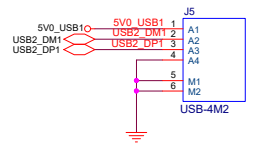
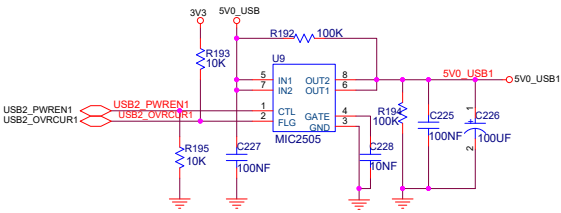


USB & SATA

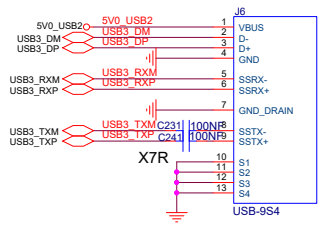
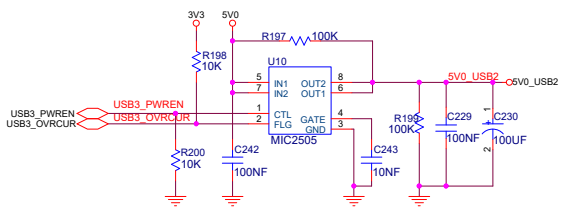
The USB differential trace impedance is 90 OHM.
The USB trace length is less than 5 inch.

The SATA differential trace impedance is 100 OHM.
The SATA trace length is less than 5 inch.

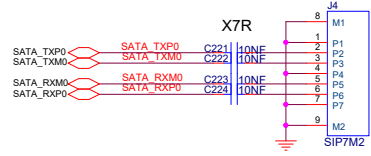
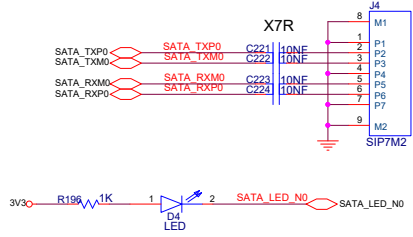
USB2.0 Port1



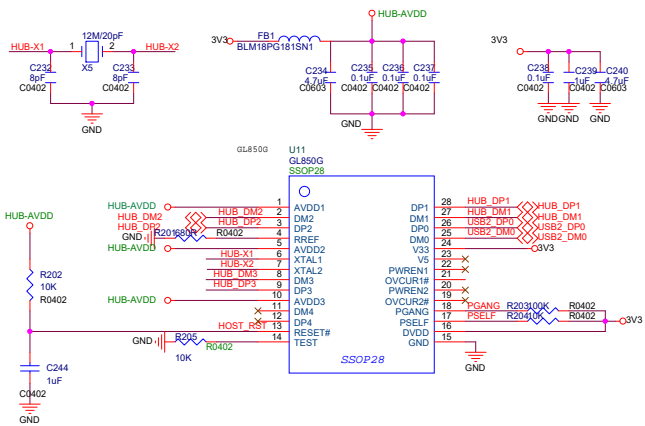
USB3.0



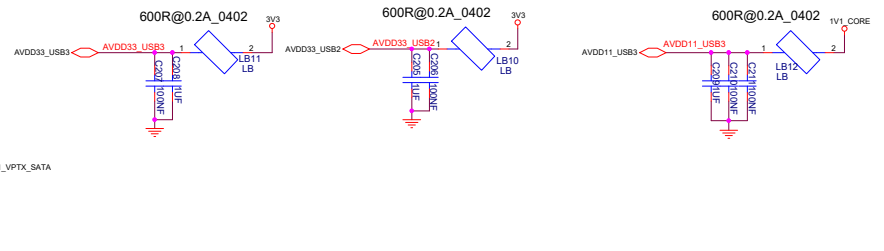
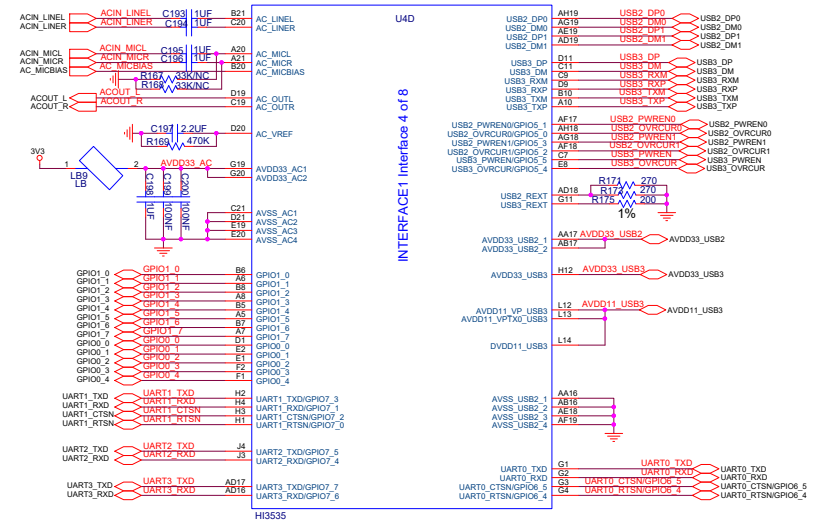
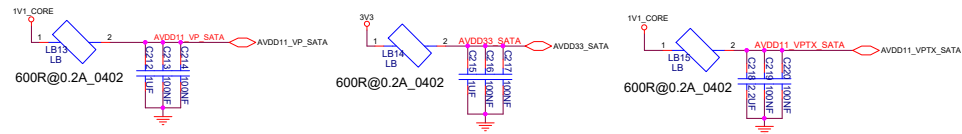
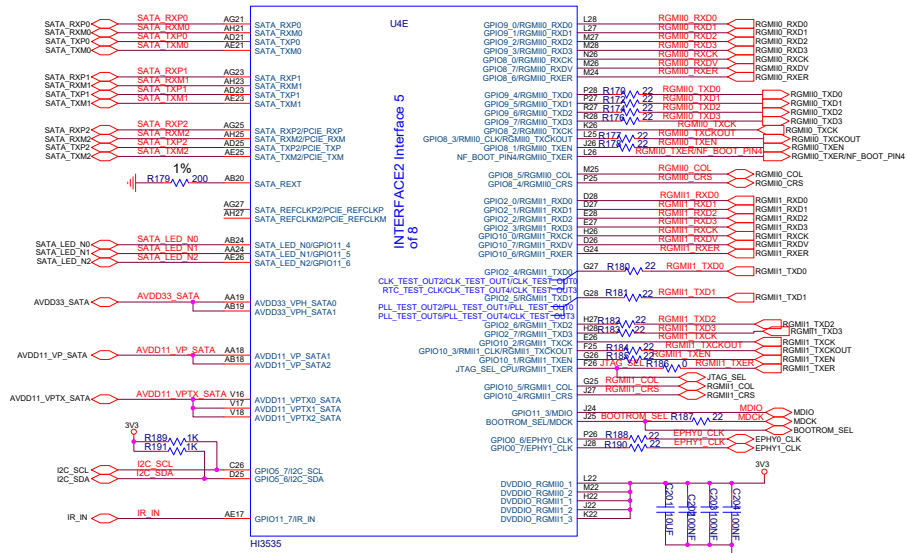
SATA3.0 Port0



USB HUB



Interface



Power on setting pins

NF_BOOT_PIN[4:0]

00011 2k page size,4bit ecc,64page/block,5addr

00100 4k page size,24bit ecc,256page/block,5addr

00101 2k page size,24bit ecc,64page/block,5addr

00111 8k page size,24bit ecc,256page/block,5addr

01000 4k page size,4bit ecc,128page/block,5addr

01001 4k page size,4bit ecc,64page/block,5addr

01010 2k page size,4bit ecc,64page/block,4addr

01011 4k page size,24bit ecc,128page/block,5addr

01101 8k page size,24bit ecc,128page/block,5addr

10000 8k page size,24bit ecc,64page/block,5addr

10001 4k page size,24bit ecc,64page/block,5addr

10101 2k page size,4bit ecc,128page/block,5addr

10110 2k page size,8bit ecc,128page/block,5addr

11001 2k page size,24bit ecc,128page/block,5addr

11010 2k page size,8bit ecc,64page/block,5addr

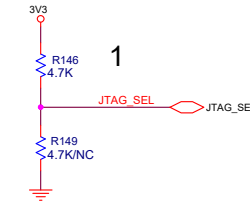
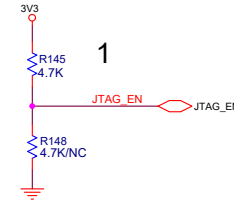
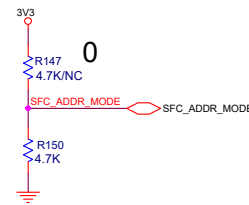
11110 4k page size,8bit ecc,64page/block,5addr

11111 4k page size,8bit ecc,128page/block,5addr

SFC_ADDR_MODE	
0	3 Byte mode
1	4 Byte mode

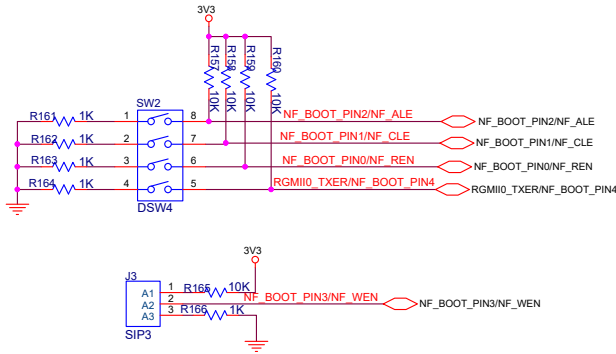
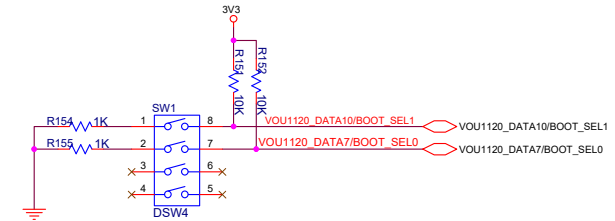
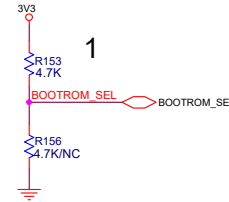
JTAG_EN	
0	Disable JTAG
1	Enable JTAG

JTAG_SEL	
0	Other
1	CPU



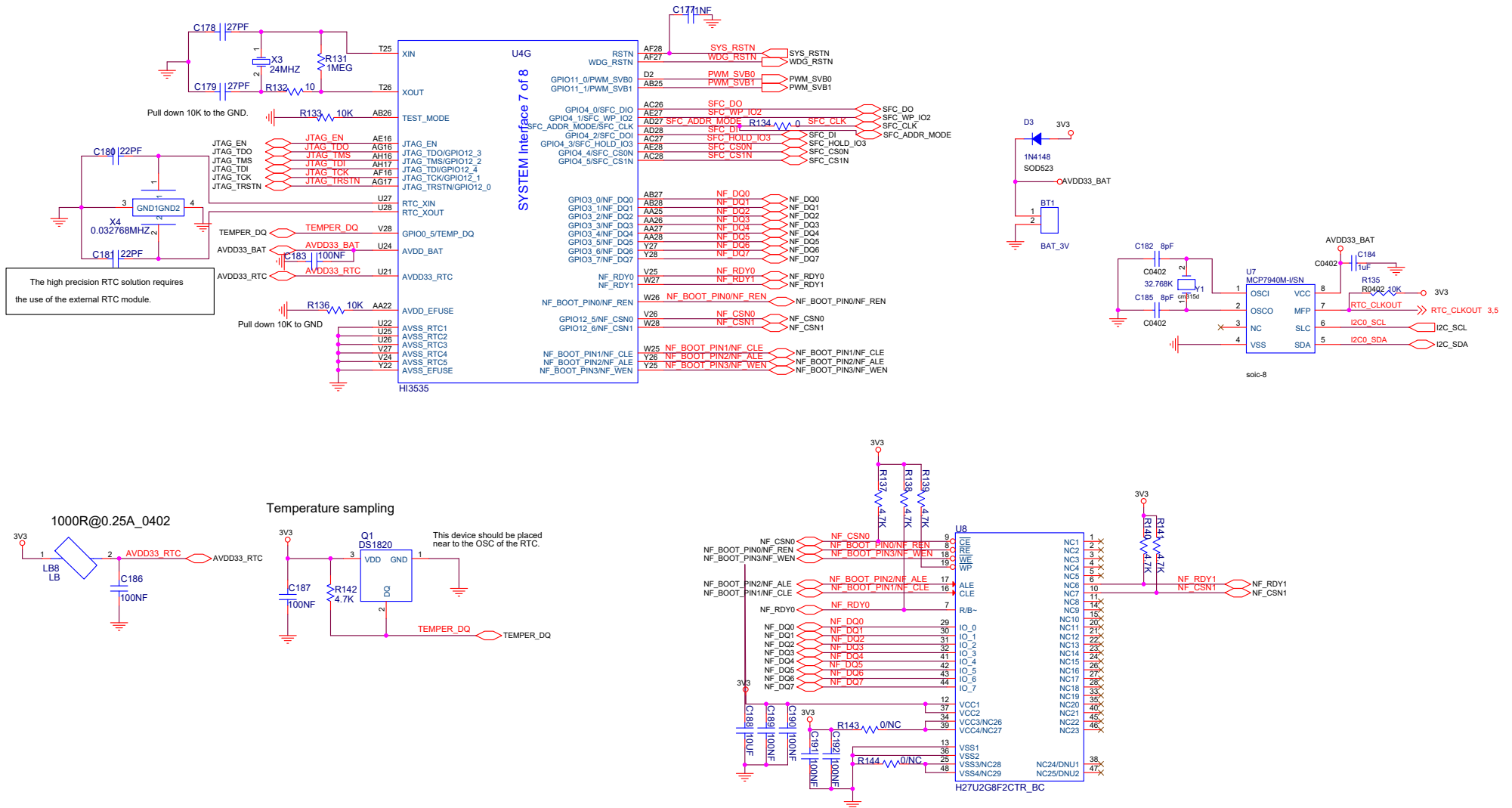
BOOTROM_SEL	
0	Boot from BOOT_SEL
1	Boot from Bootrom

BOOT_SEL[1:0]	
00	SPI FLASH
01	DDR
10	NAND FLASH
11	Reserve



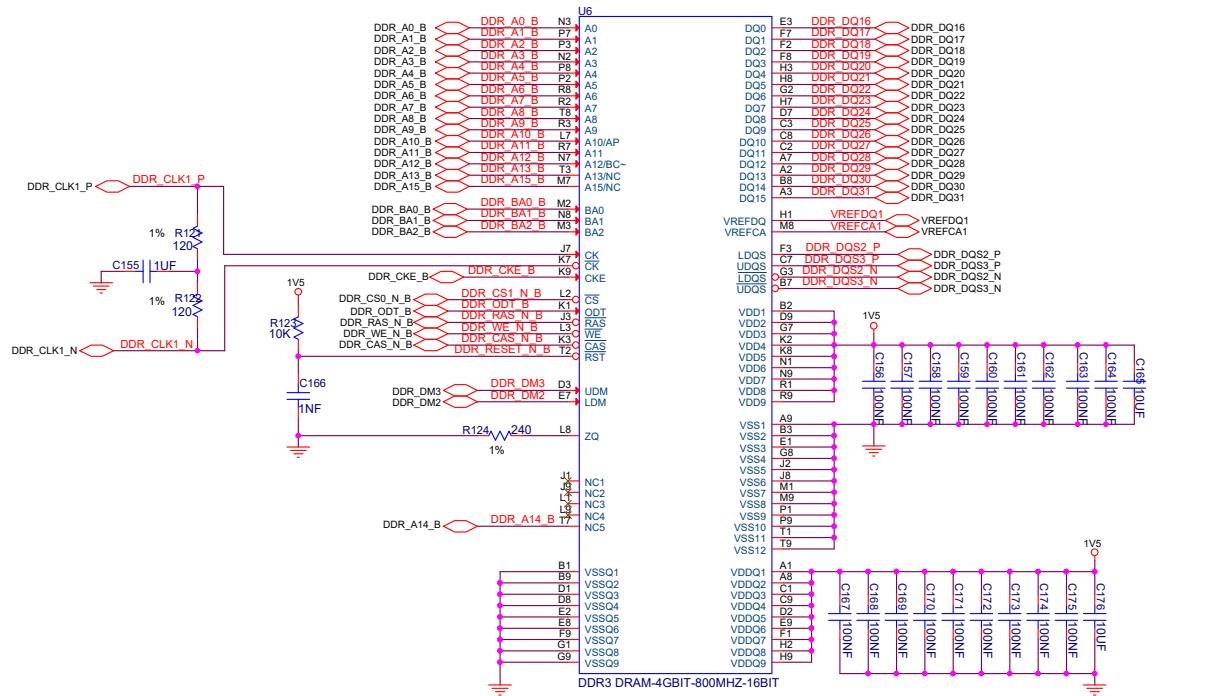
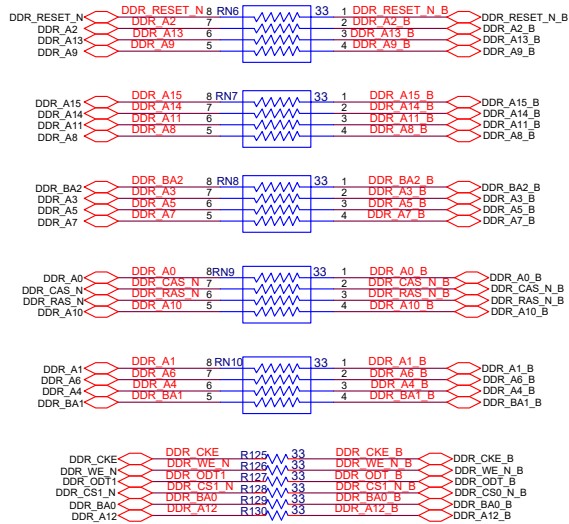
SYSTEM & FLASH

Put this cap close to the Hi3535.



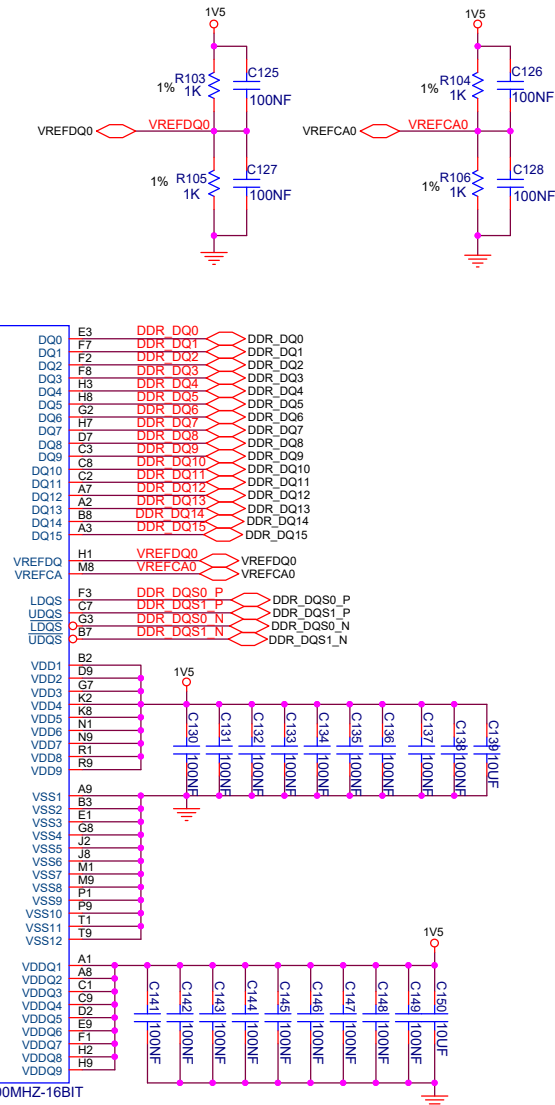
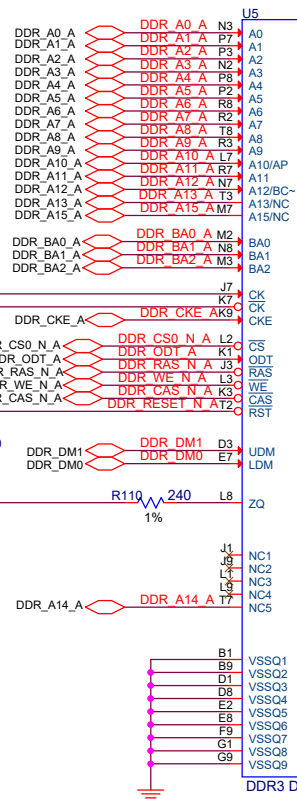
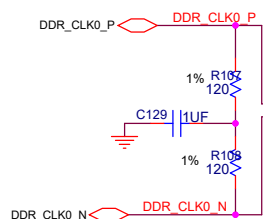
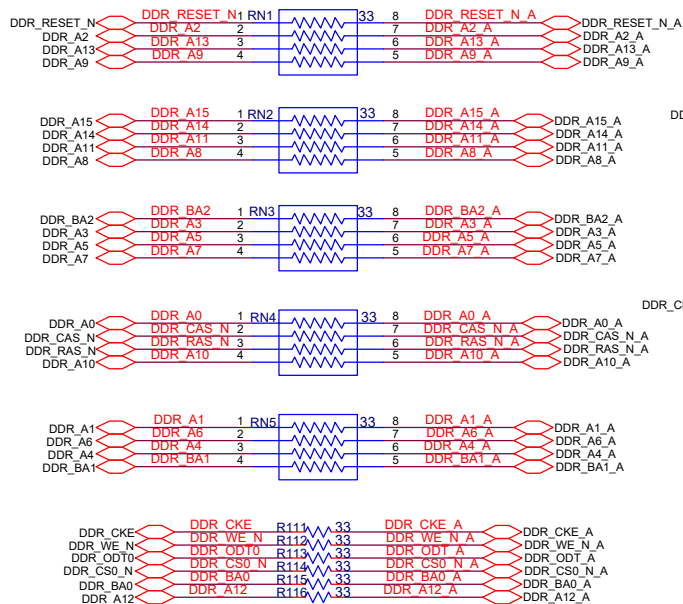
DDR3 B

The routing design of the DDR must be the same as that for the Hi3535 demo board.

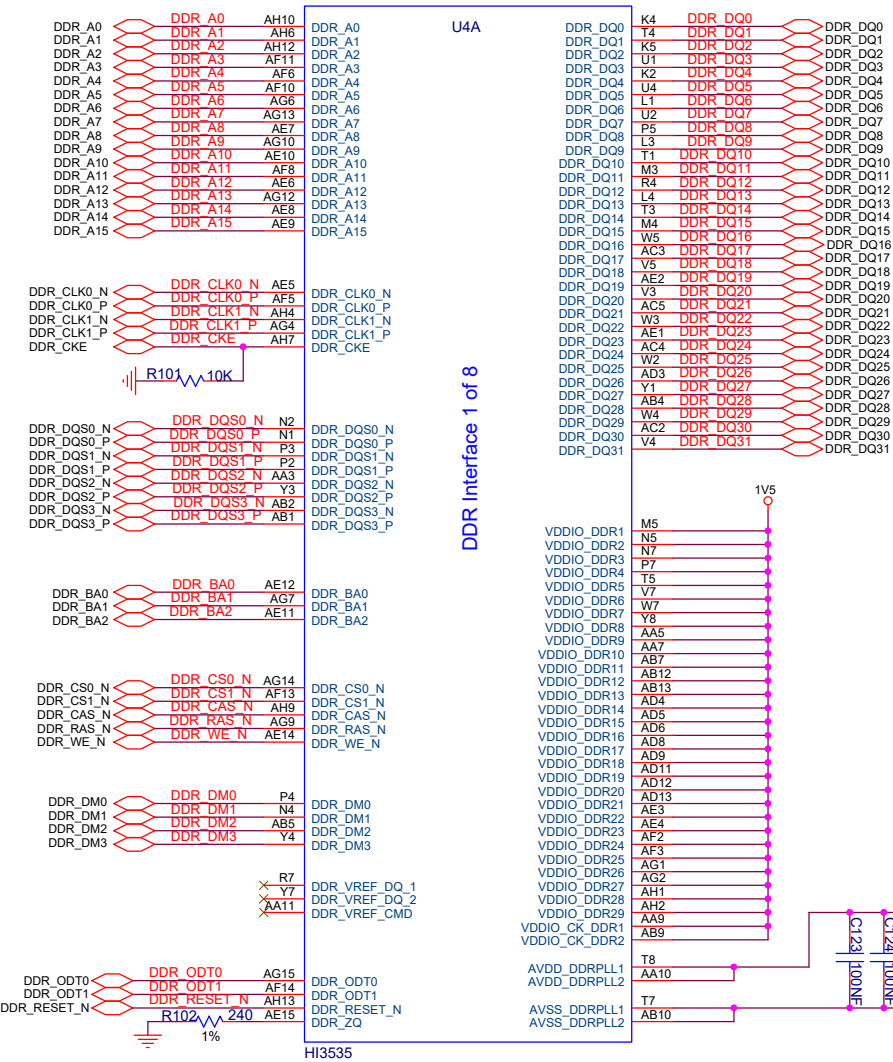


DDR3_A

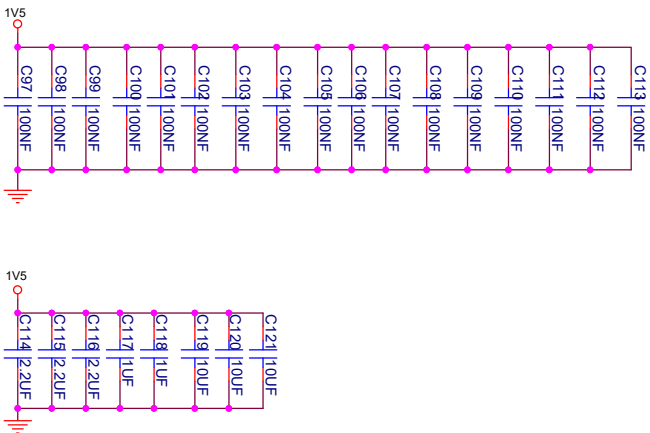
The routing design of the DDR must be the same as that for the Hi3535 demo board.



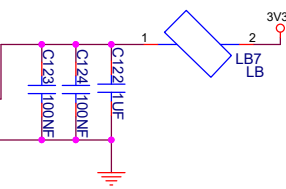
HI3535 DDR3



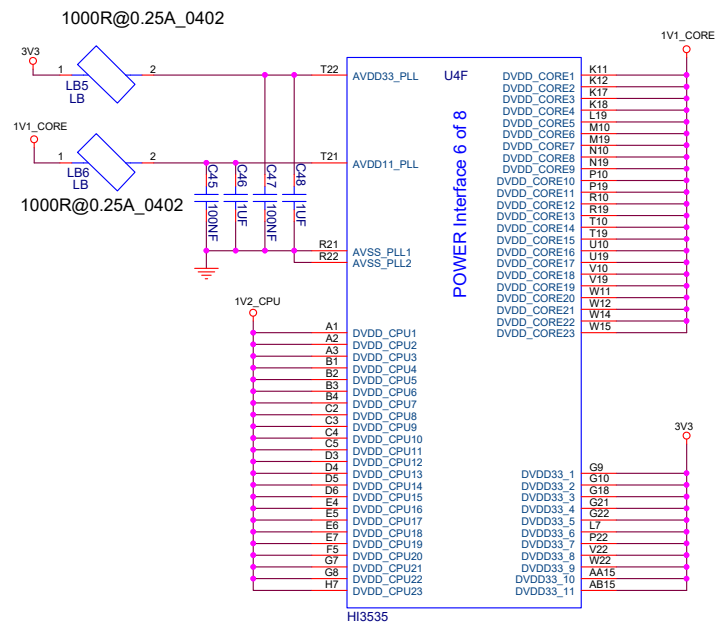
The kind and quantity of the caps must be the same as that for the Hi3535 demo board.



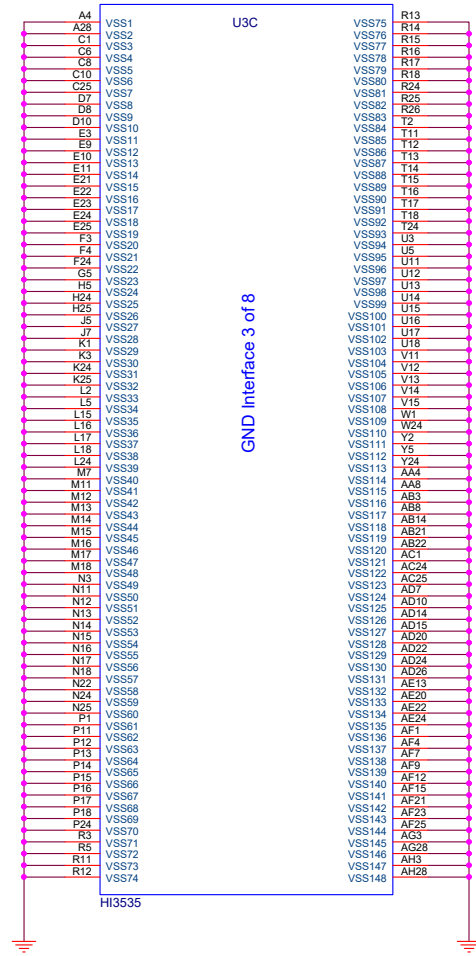
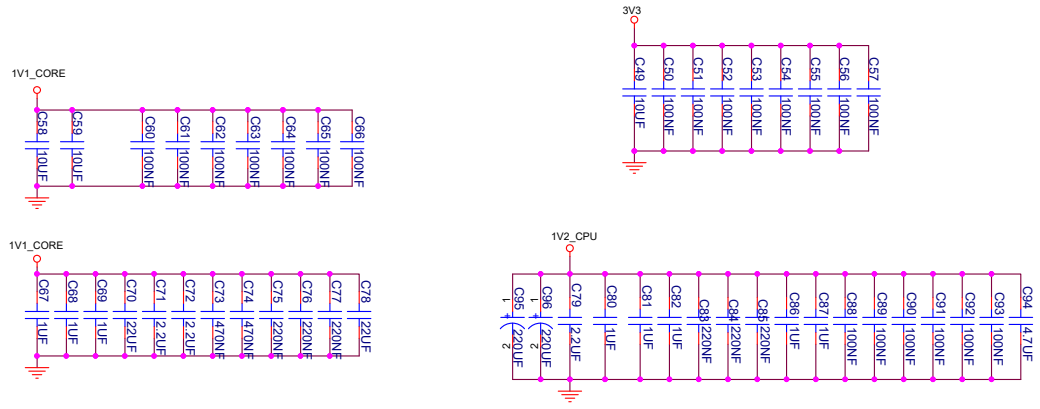
1000R@0.25A_0402



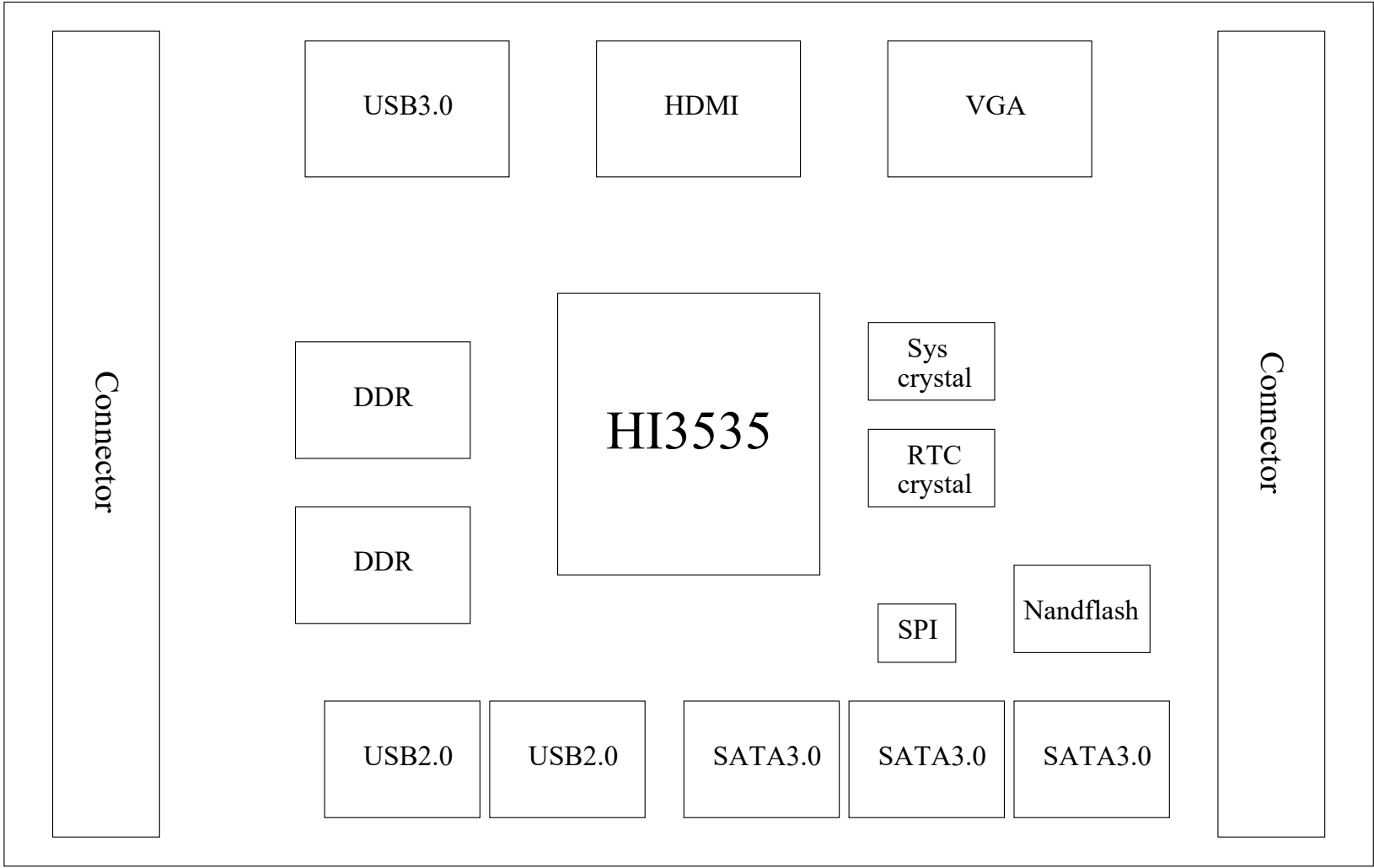
POWER & VSS



The kind and quantity of the caps must be the same as that for the Hi3535 demo board.



BLOCK DIAGRAM



CHANGE LIST

2013.07.10 Ver.A schematic

2013.09.27 Change C144 C145 form 10nF to 100nF

01.Hi3535DMEB VER.A

02.CHANGE LIST

03.BLOCK DIAGRAM

04.POWER TREE

05.POWER & VSS

06.Hi3535 DDR3

07.DDR3_A

08.DDR3_B

09.SYSTEM & FLASH

10.POWER ON SETTING PINS

11.INTERFACE

12.USB & SATA

13.DISPLAY

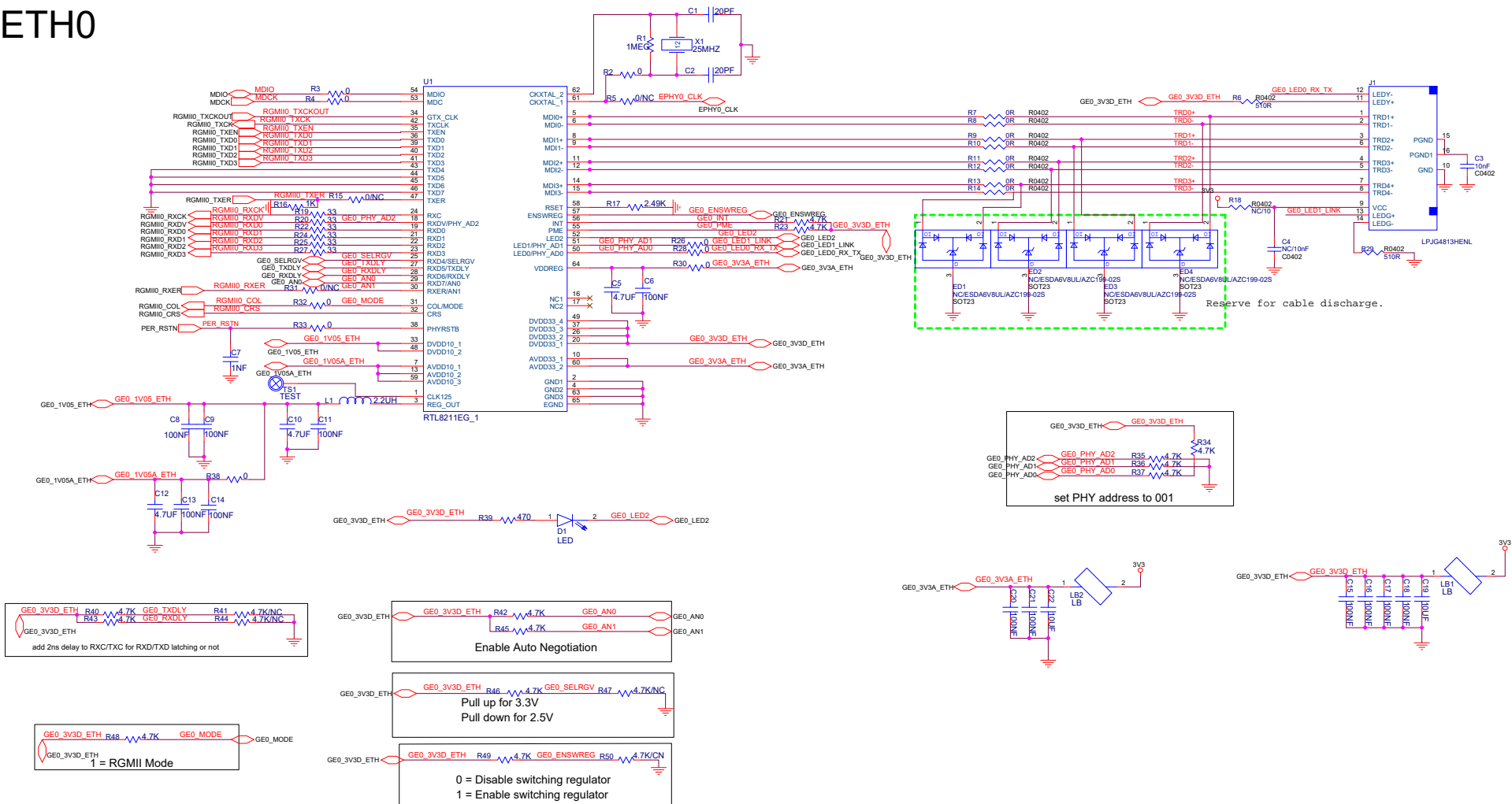
14.HDMI

15.VO

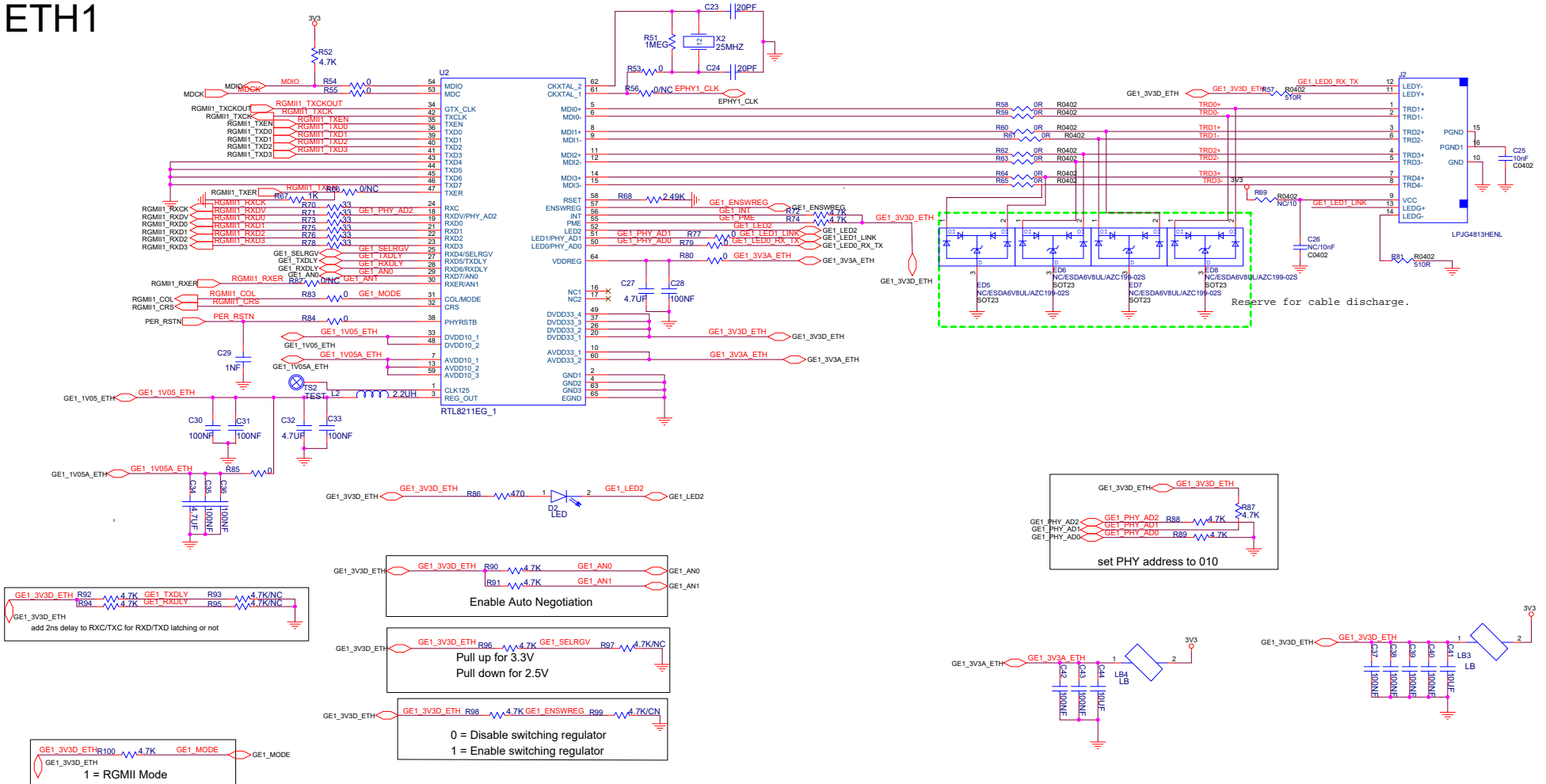
16.Connector

Hi3535DMEB VER.A

ETH0

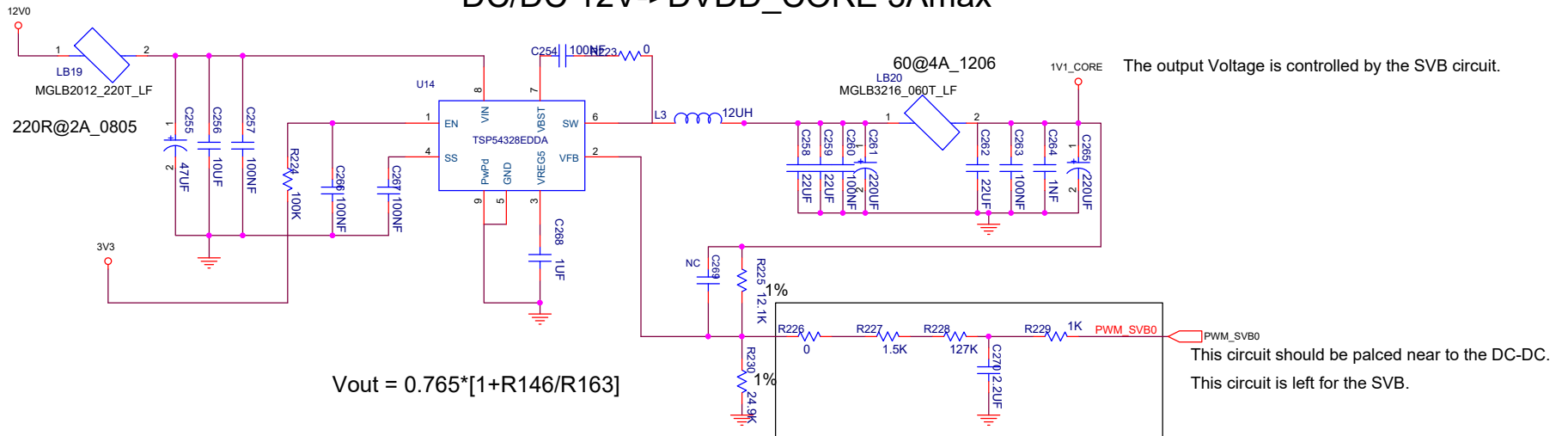


ETH1

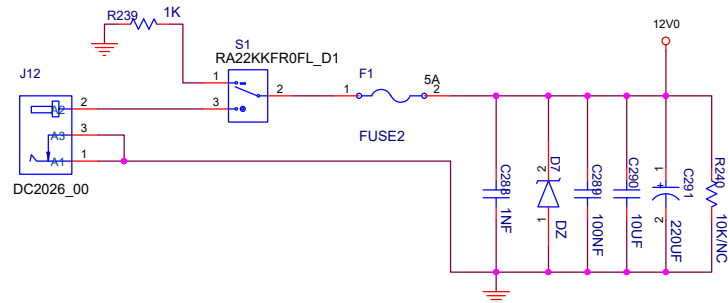
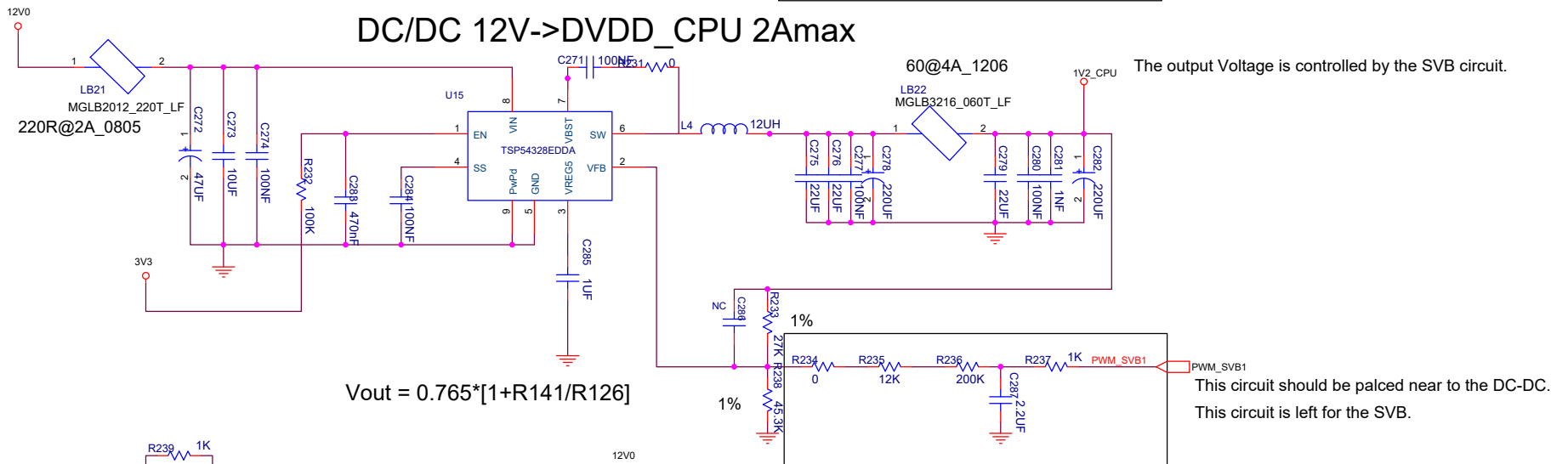


Power Supply

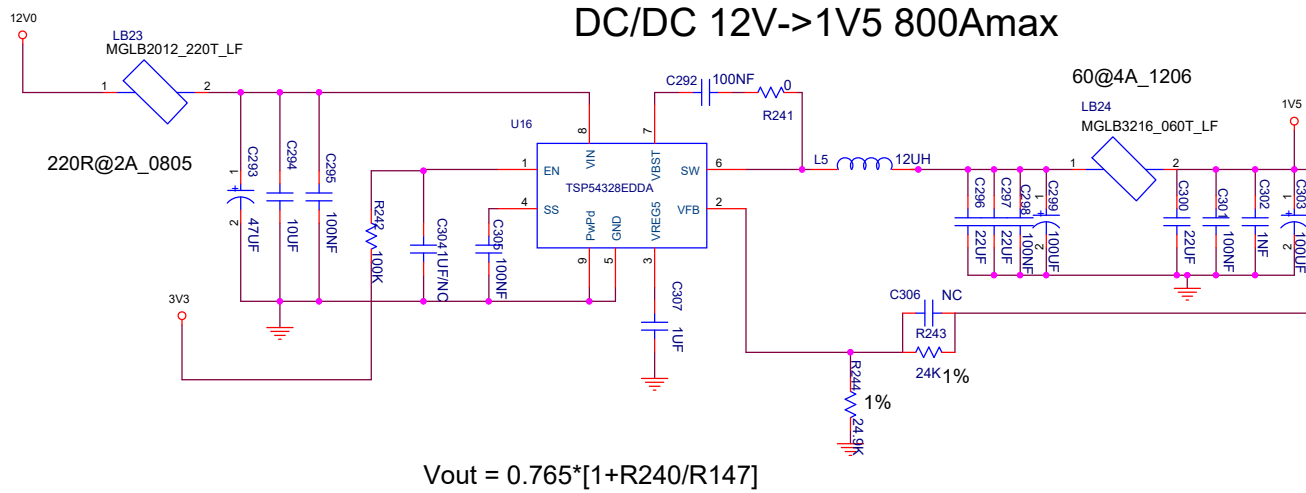
DC/DC 12V->DVDD_CORE 3Amax



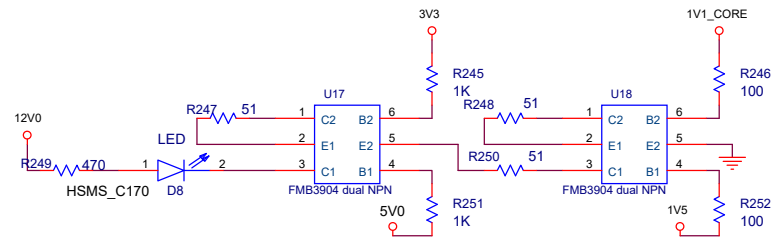
DC/DC 12V->DVDD_CPU 2Amax



Power Supply

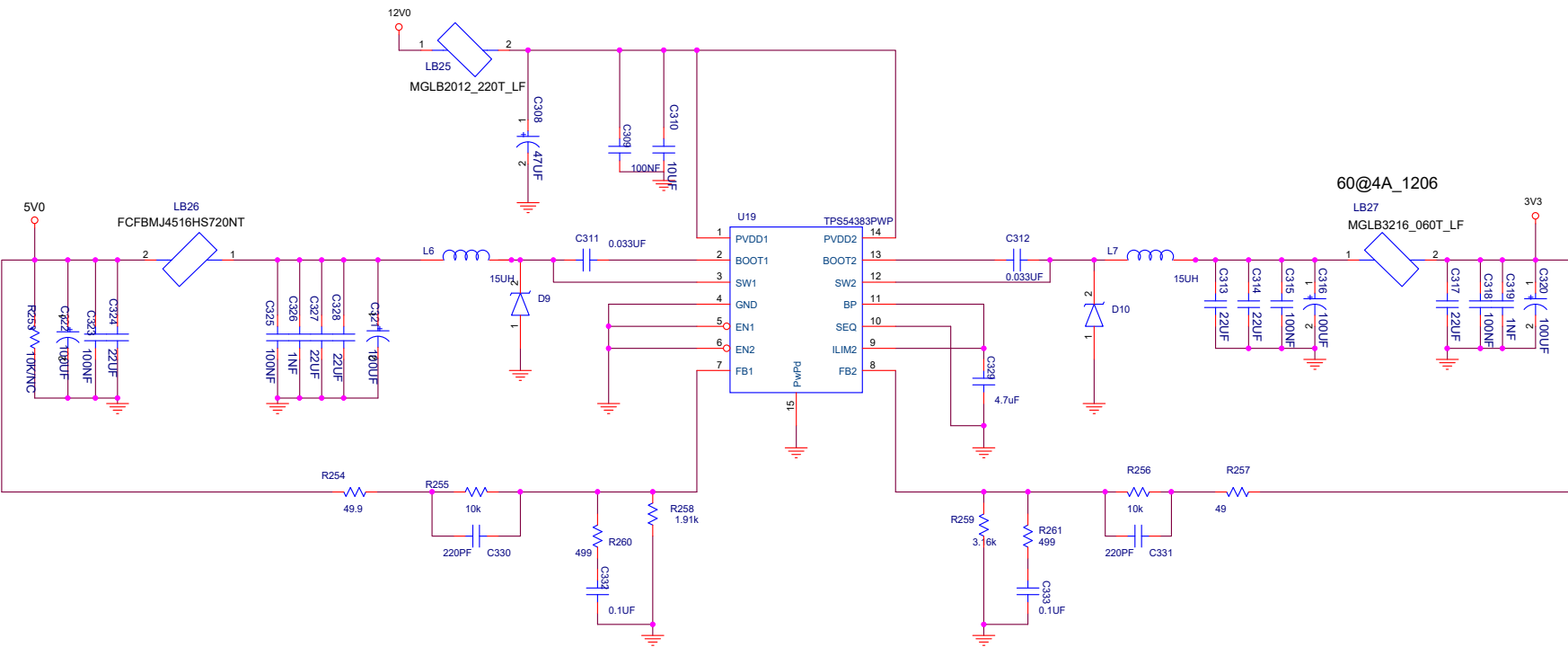


Power Indicator LED



Power Supply

12V -> 5V - 2A and 3.3V - 2A



POWER TREE

