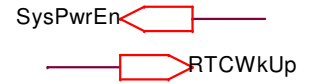
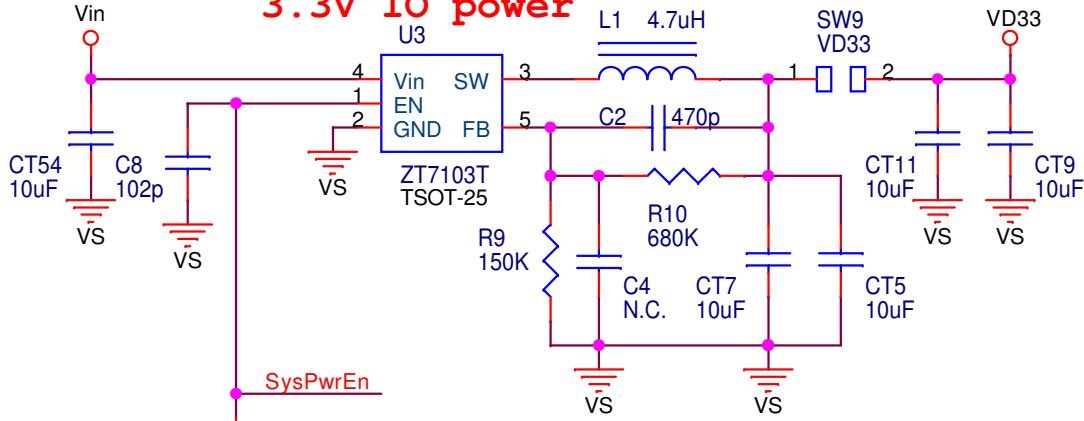


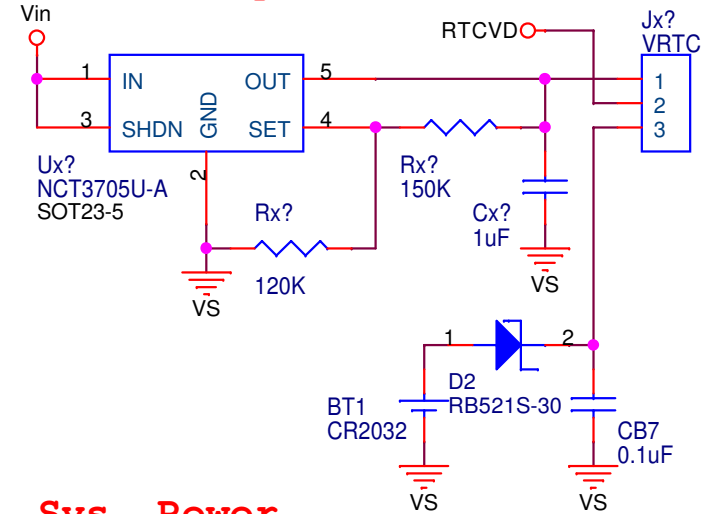
<b>NHS-972-1-YS-1M51</b>		
Size	Document Number	Rev
Custom	<b>Power Input, Crystal</b>	1.0
Date:	Monday, September 01, 2014	Sheet 2 of 14



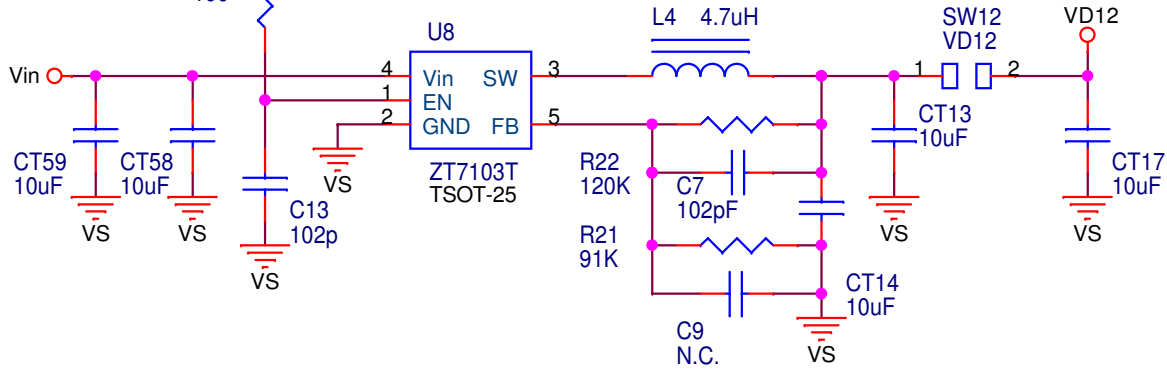
### 3.3V IO power



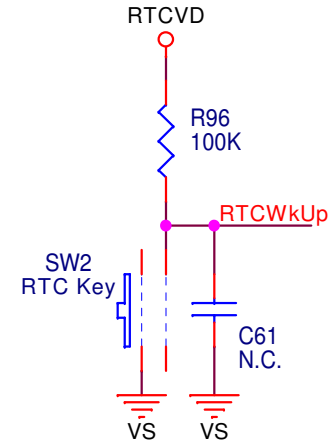
### RTC power



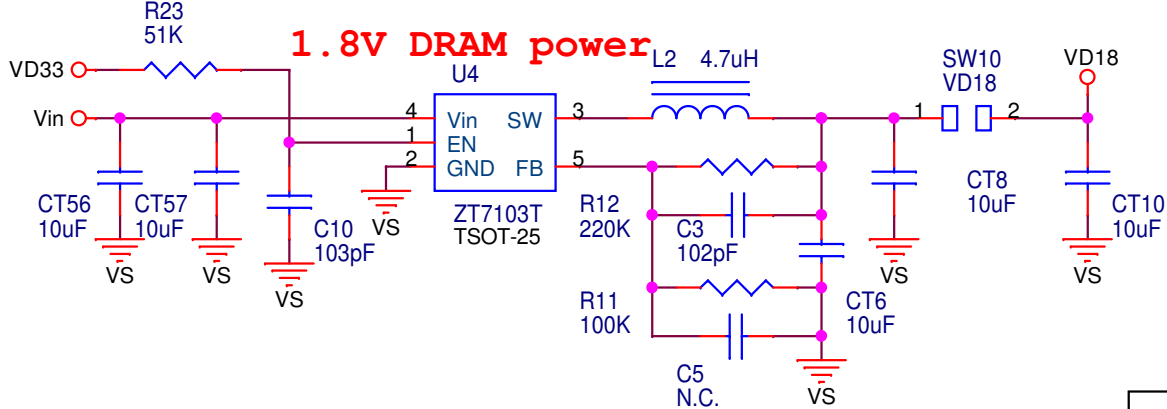
### 1.2V core power



### Sys. Power Switch

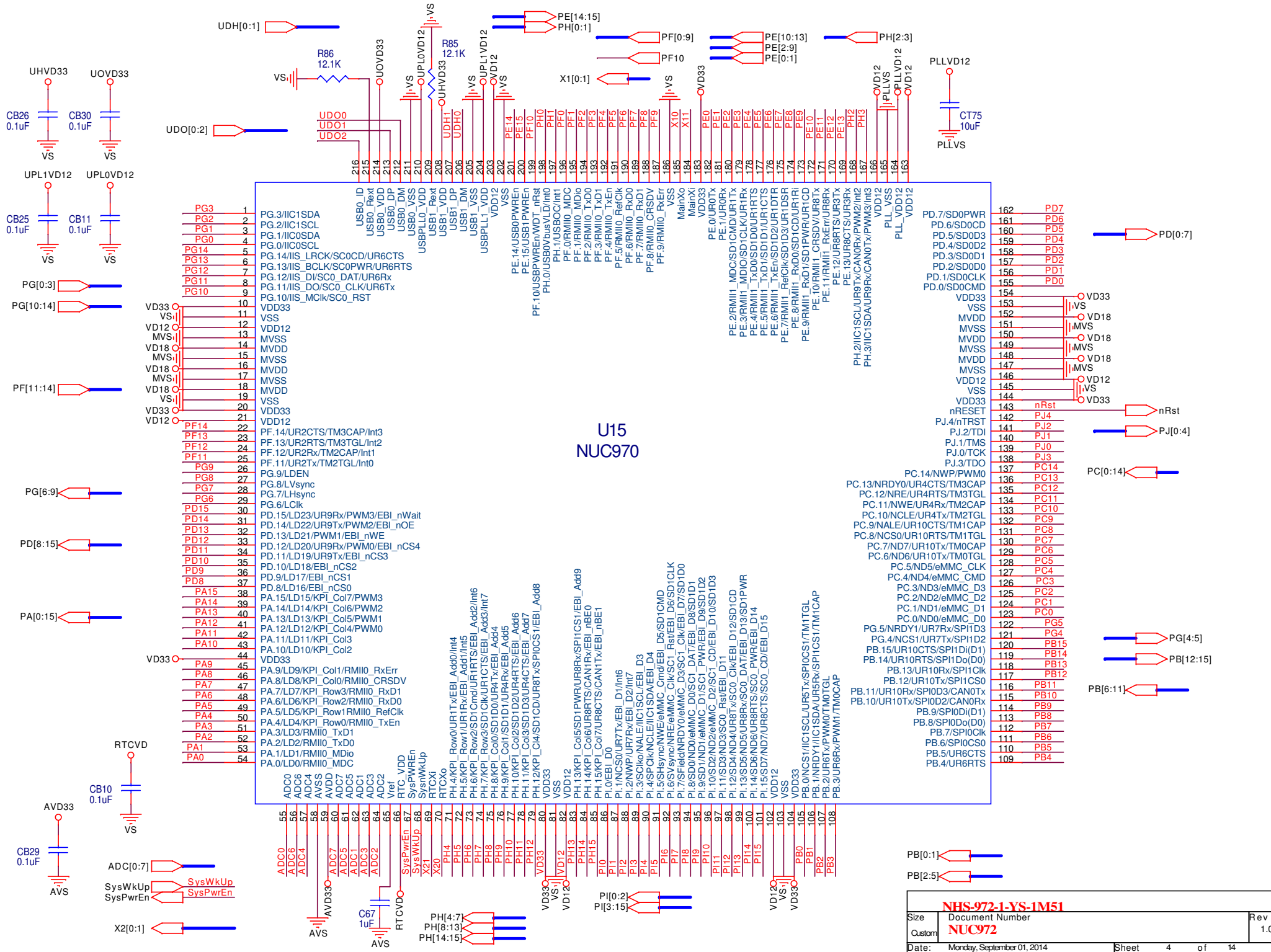


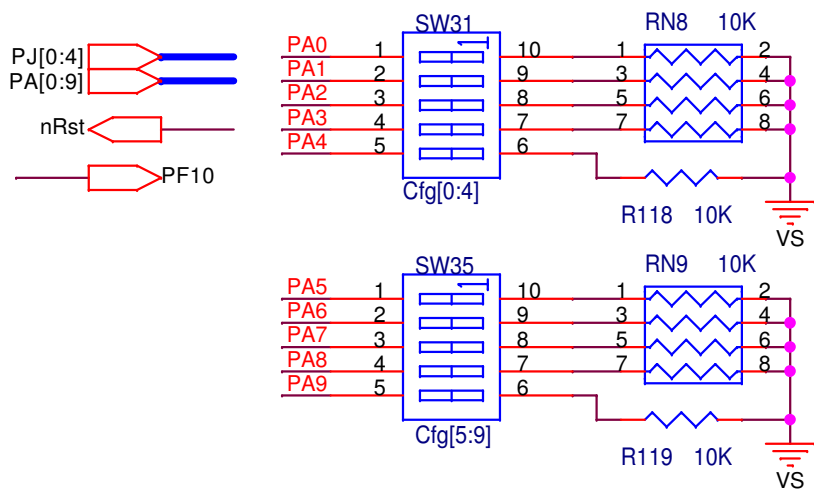
### 1.8V DRAM power



### NHS-972-1-YS-1M51

Size	Document Number	Rev
Custom	<b>System Power</b>	1.0
Date:	Wednesday, September 03, 2014	Sheet 3 of 14





Cfg1[0] =  
 00 : Boot from USB.  
 01 : Boor from eMMC.  
 10 : Boot from NANA Flash.  
 11 : Boot from SPI Flash.

Cfg2 =  
 0 : System clock is from 12 MHz crystal.  
 1 : System clock is from UPLL output.

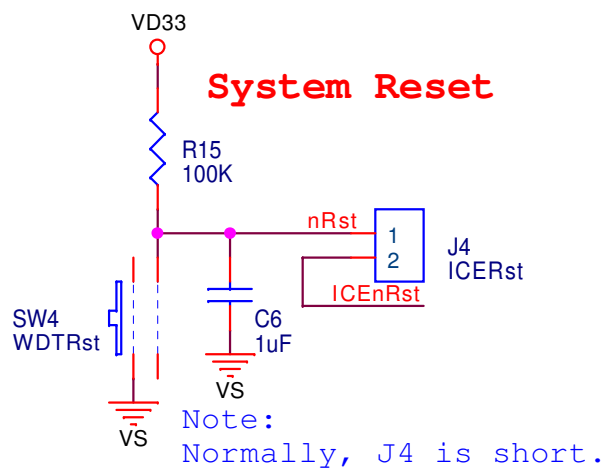
Cfg3 =  
 0 : WDT is OFF after power-on.  
 1 : WDT is ON after power-on.

Cfg4 =  
 0 : Pin PJ[4:0] used as GPIO pin.  
 1 : Pin PJ[4:0] used as JTAG interface.

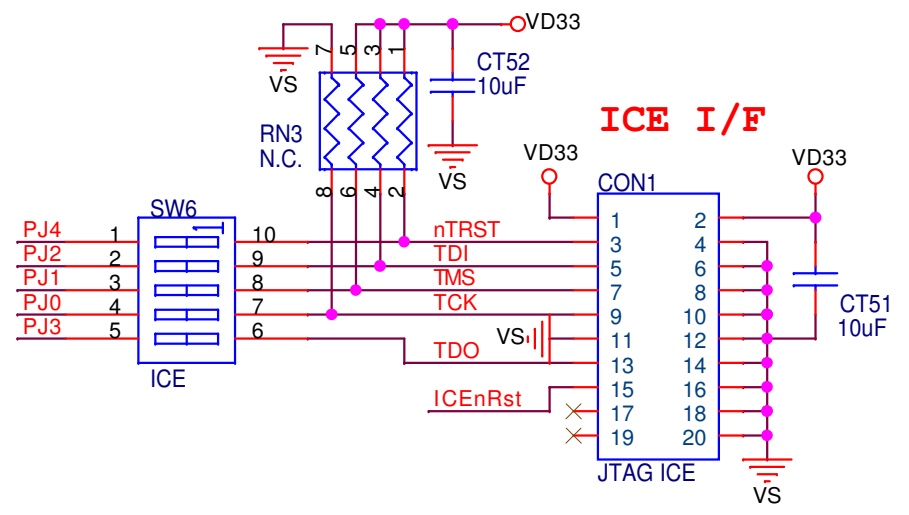
Cfg5 =  
 0 : UART 0 debug message output ON.  
 1 : UART 0 debug message output OFF.

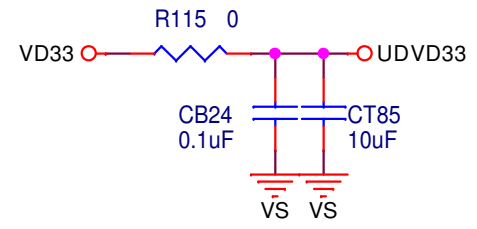
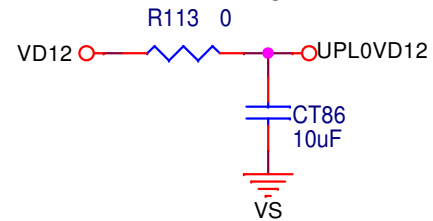
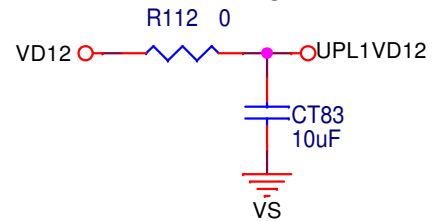
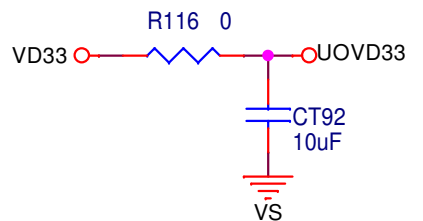
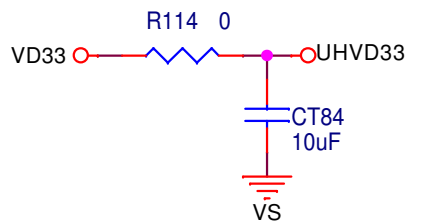
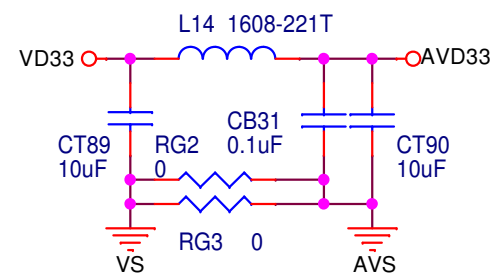
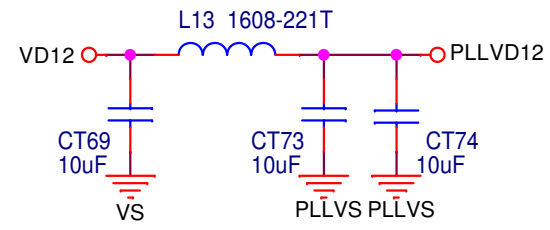
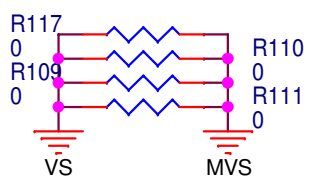
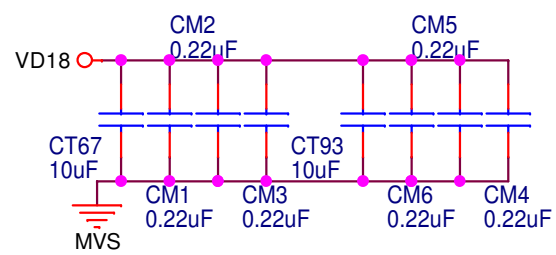
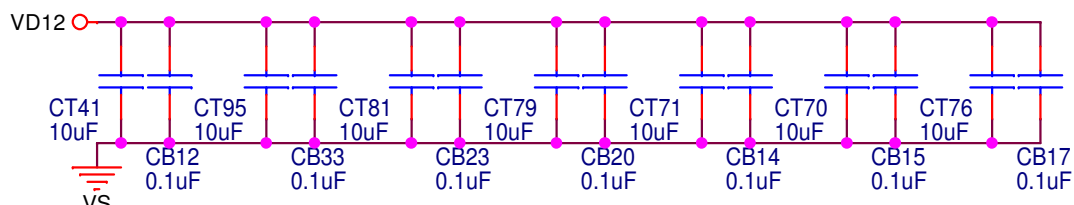
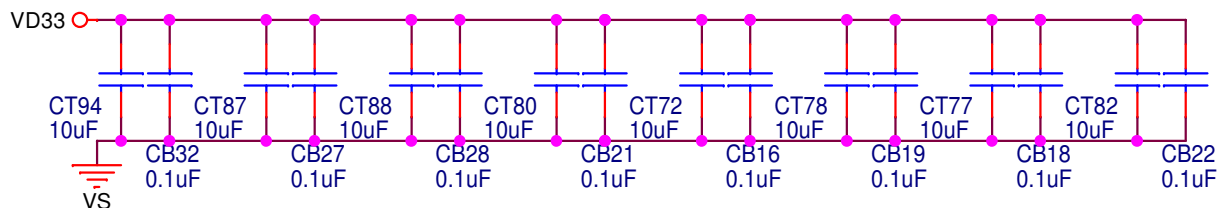
Cfg[7:6] =  
 00 : NAND Flash page size is 2KB.  
 01 : NAND Flash page size is 4KB.  
 10 : NAND Flash page size is 8KB.  
 11 : Ignore Power-On Setting.

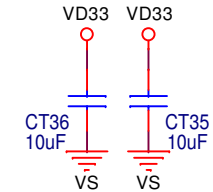
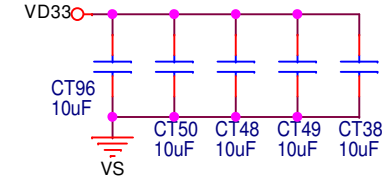
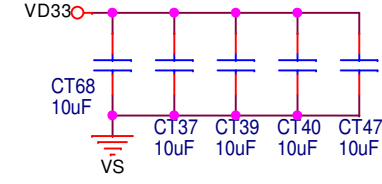
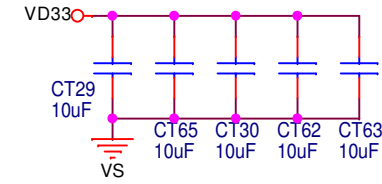
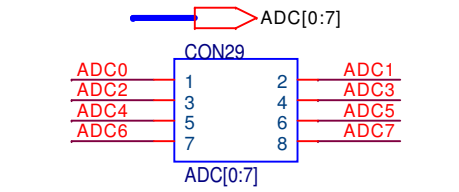
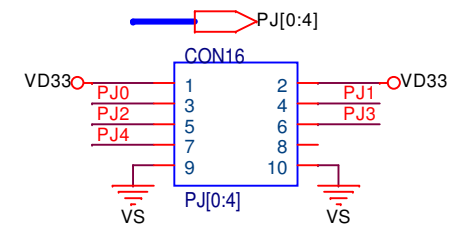
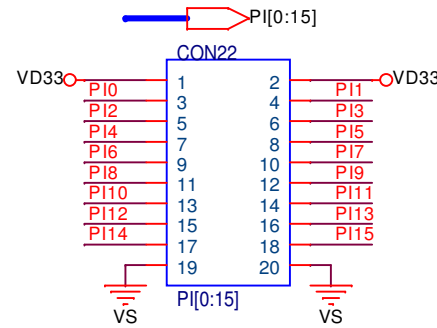
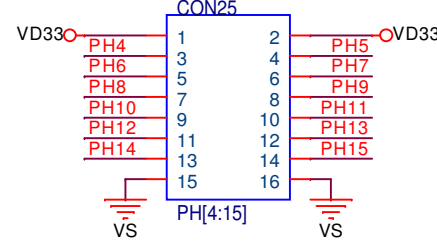
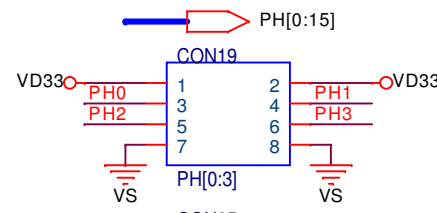
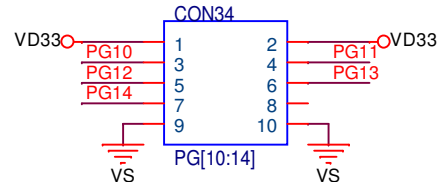
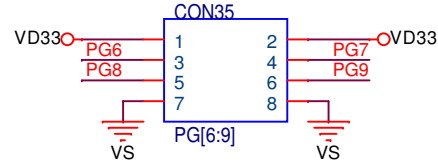
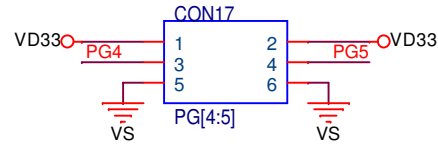
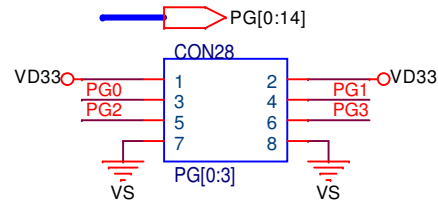
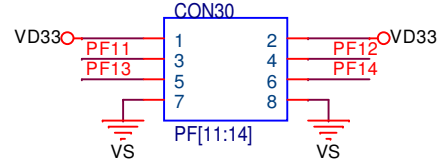
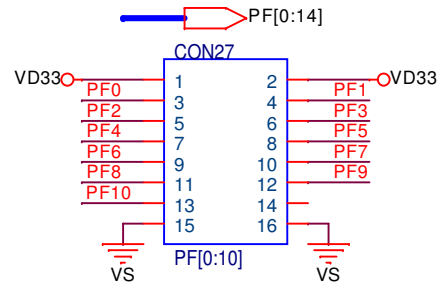
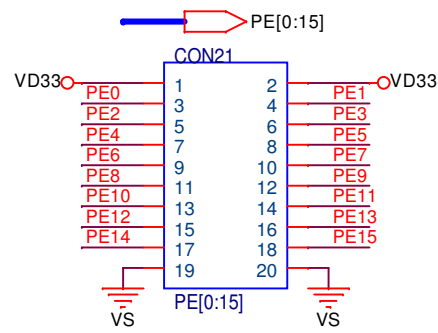
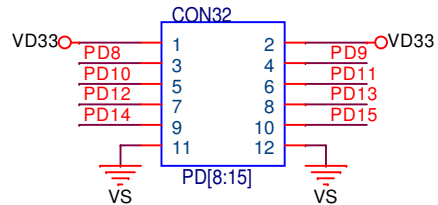
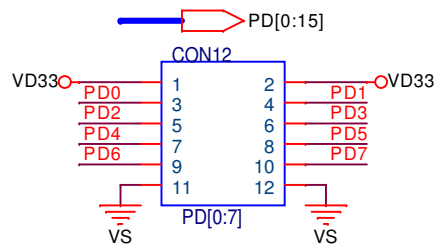
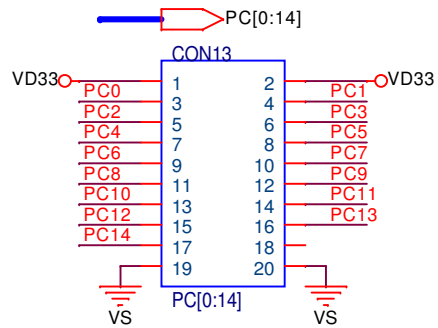
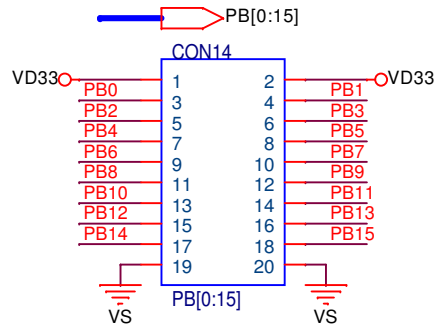
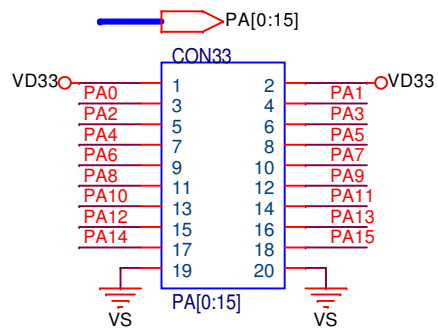
Cfg[9:8] =  
 00 : NAND Flash ECC type is BCH T12.  
 01 : NAND Flash ECC type is BCH T15.  
 10 : NAND Flash ECC type is BCH T24.  
 11 : Ignore Power-On Setting.



Note:  
 Normally, J4 is short.



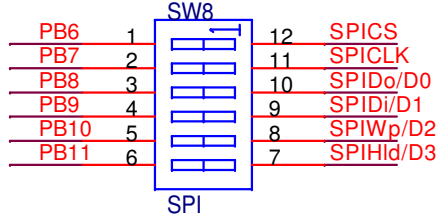






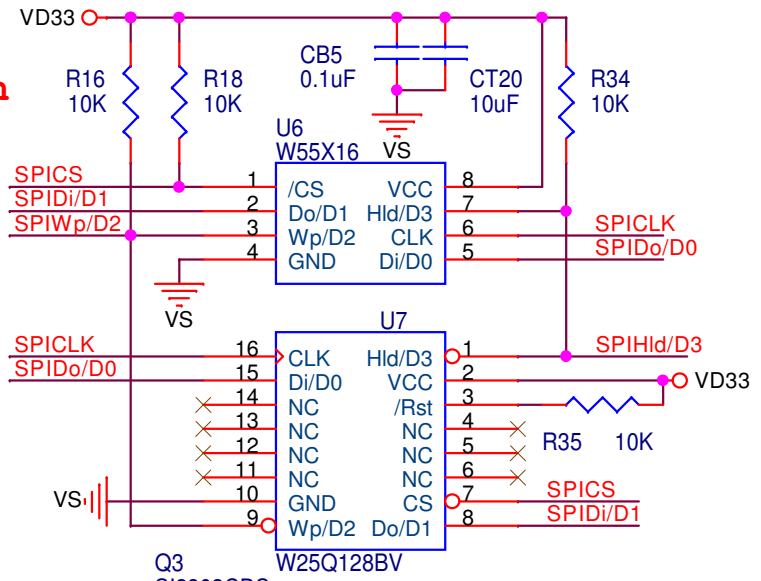
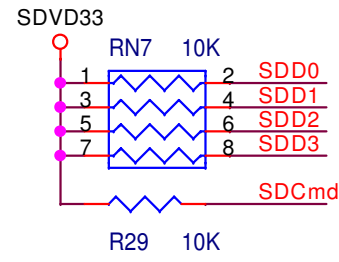
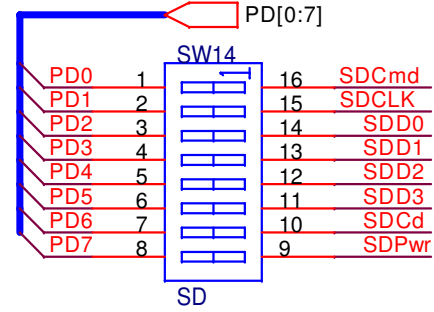
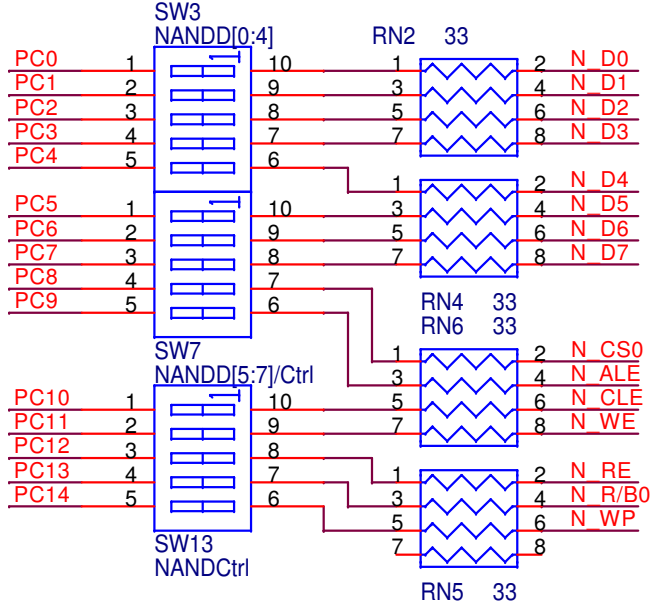
PB[6:11]

PC[0:14]

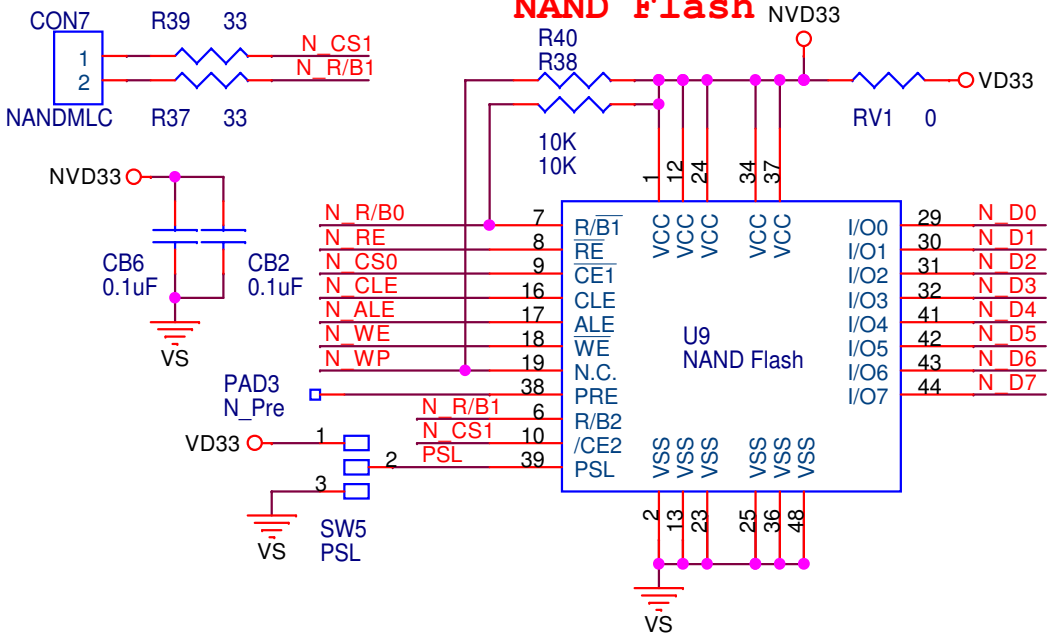


### SPI Falsh

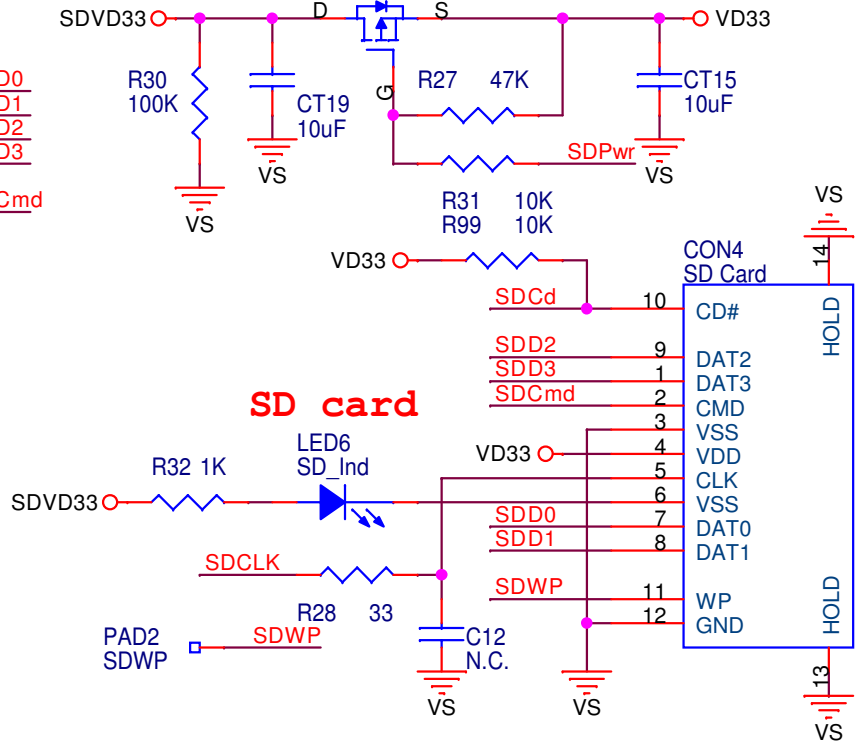
Note:  
Only one SPI  
Flash is used.

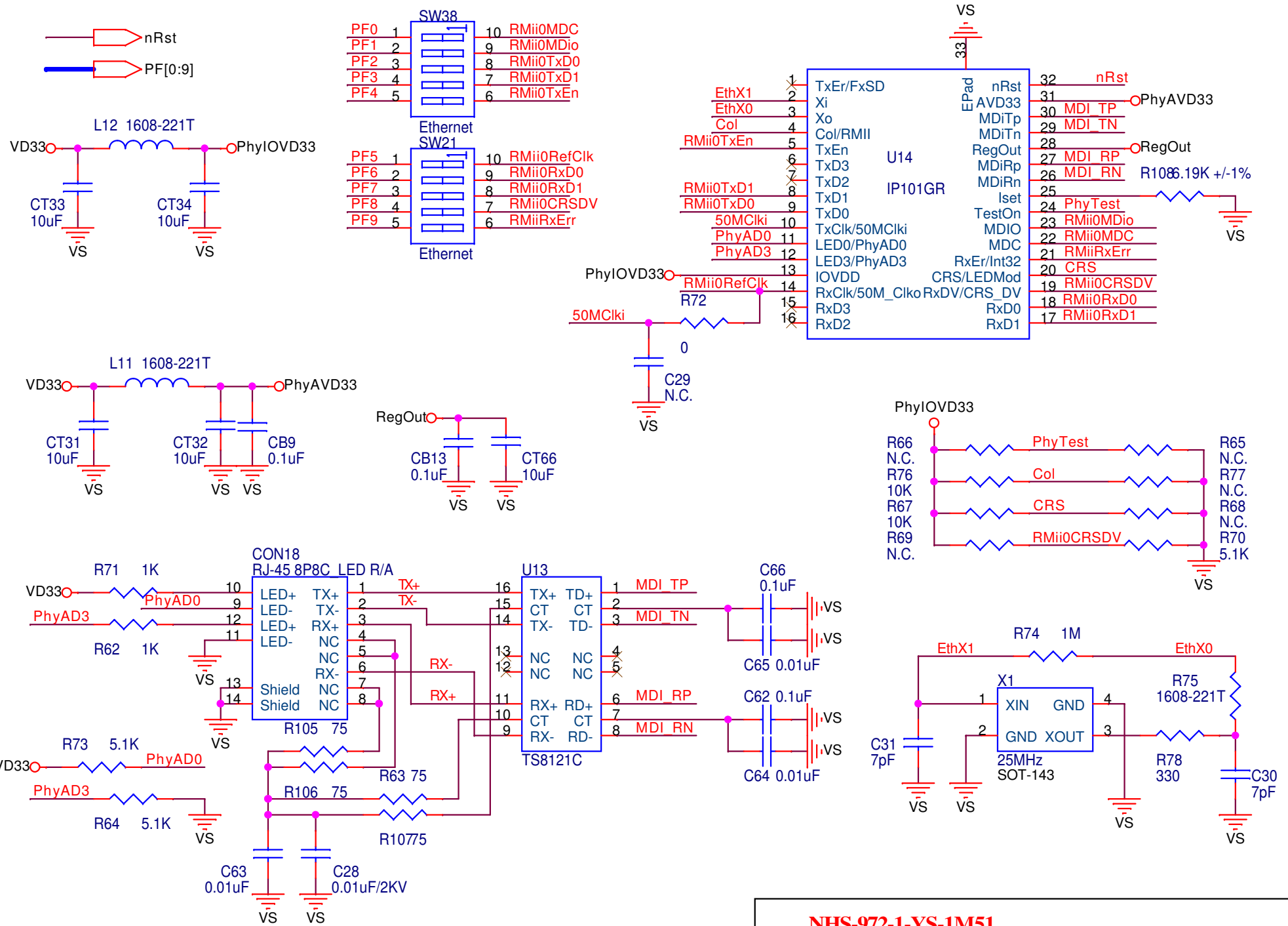


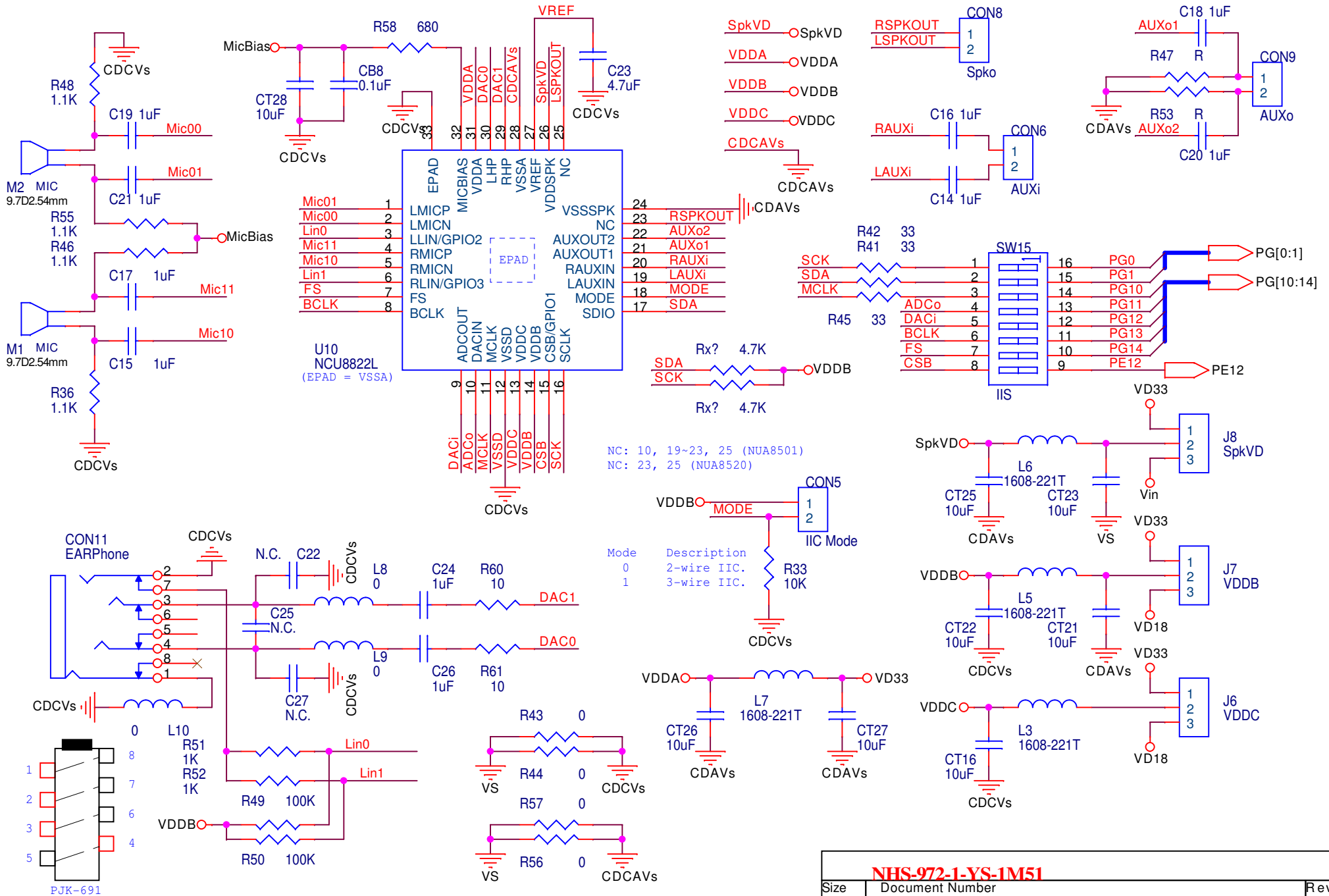
### NAND Flash



### SD card





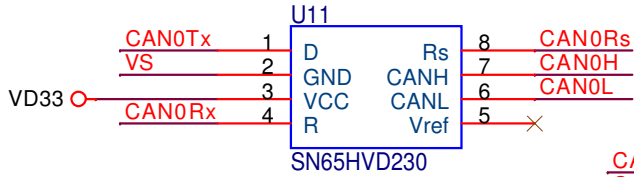
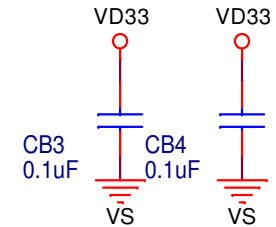
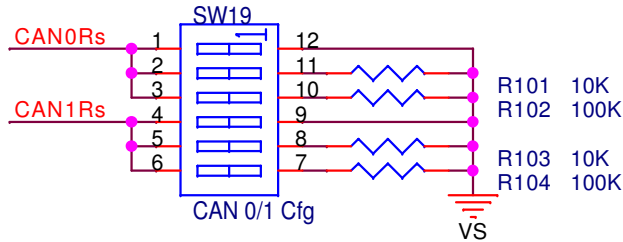
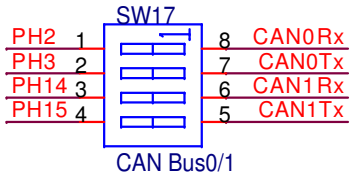
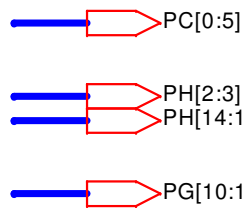


NC: 10, 19~23, 25 (NUA8501)  
 NC: 23, 25 (NUA8520)

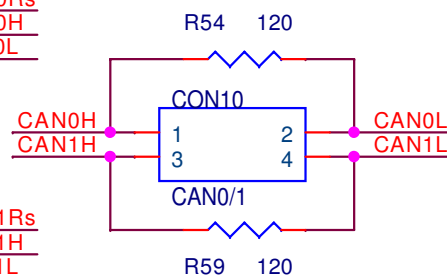
Mode	Description
0	2-wire IIC.
1	3-wire IIC.

**NHS-972-1-YS-1M51**

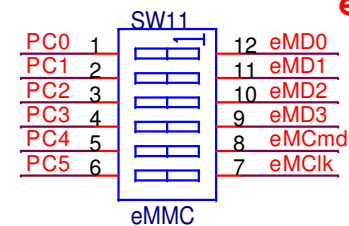
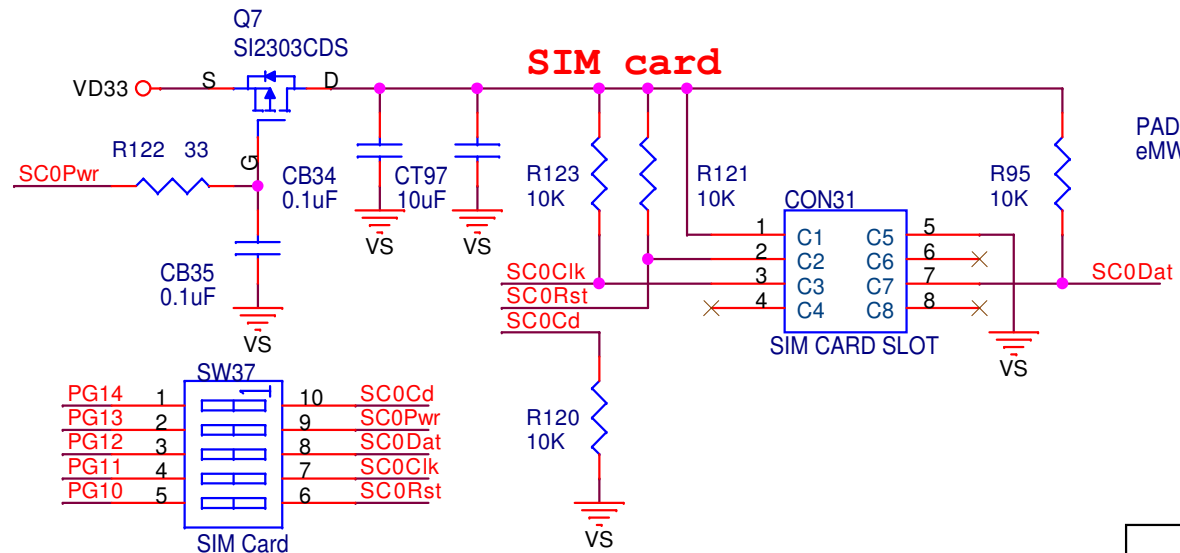
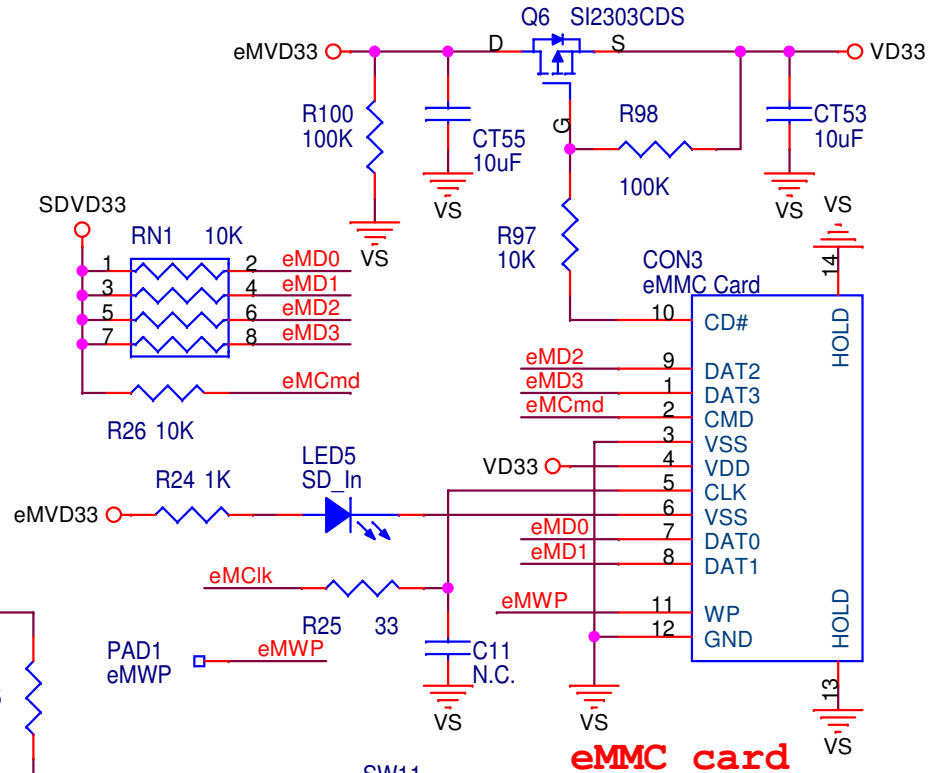
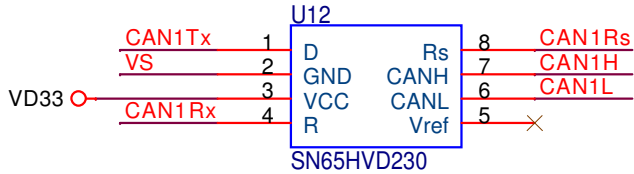
Size	Document Number	Rev
Custom	<b>IIS</b>	1.0
Date:	Tuesday, September 09, 2014	Sheet 11 of 14



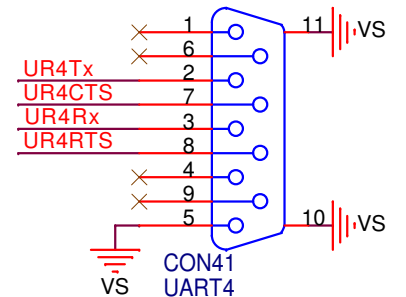
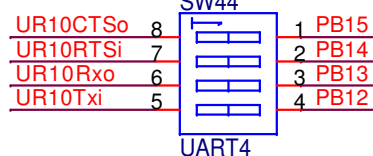
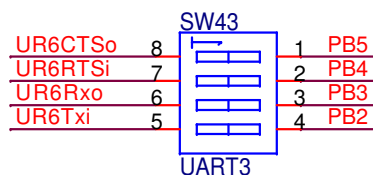
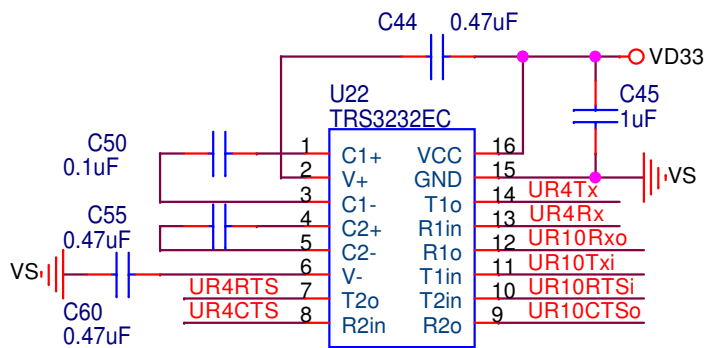
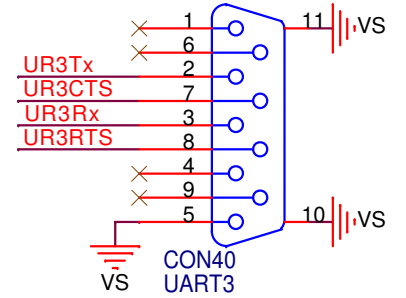
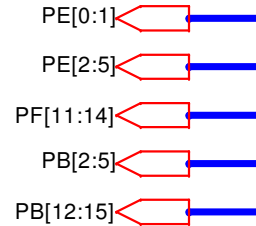
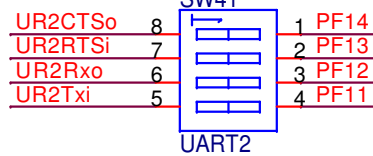
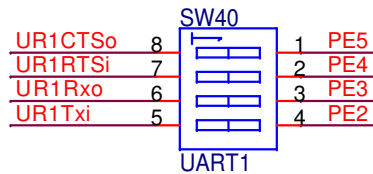
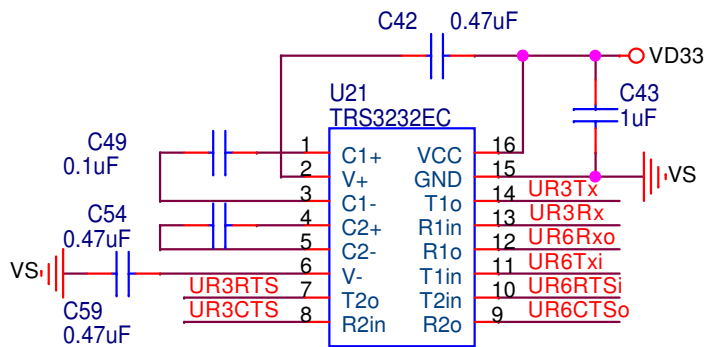
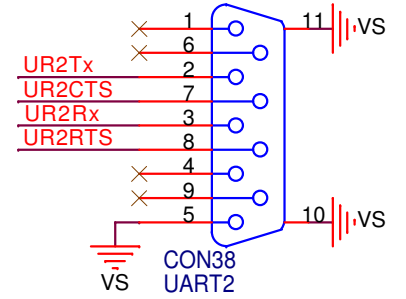
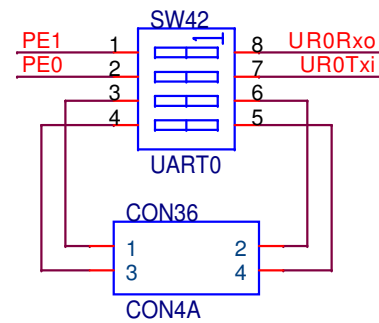
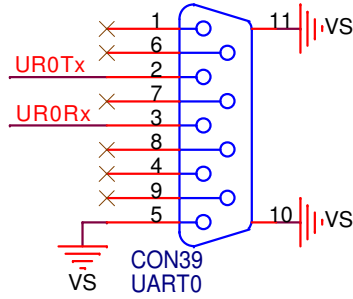
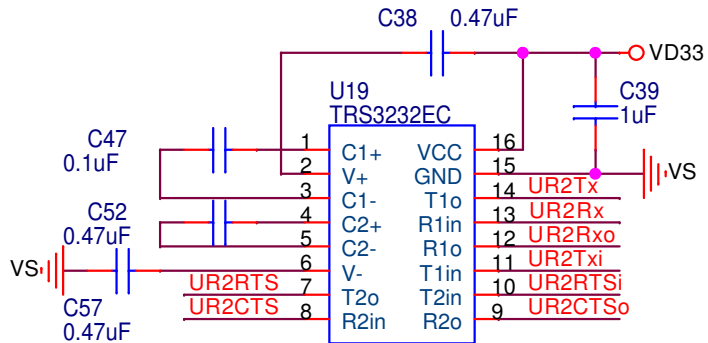
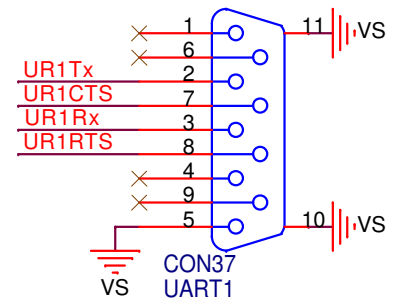
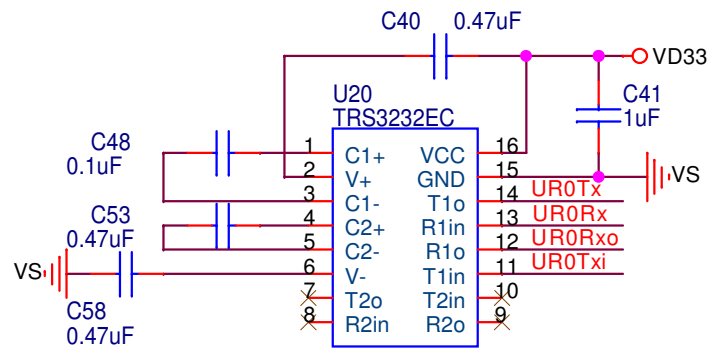
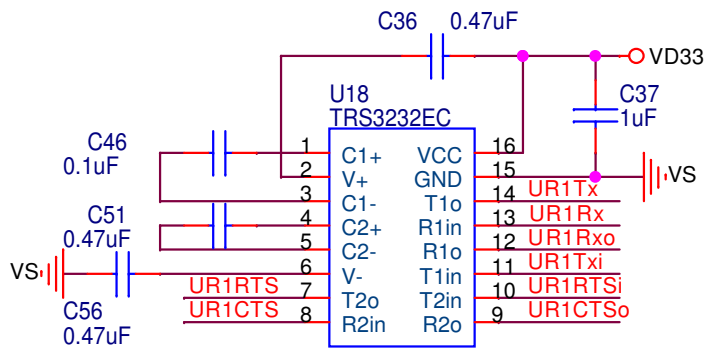
**CAN bus0**

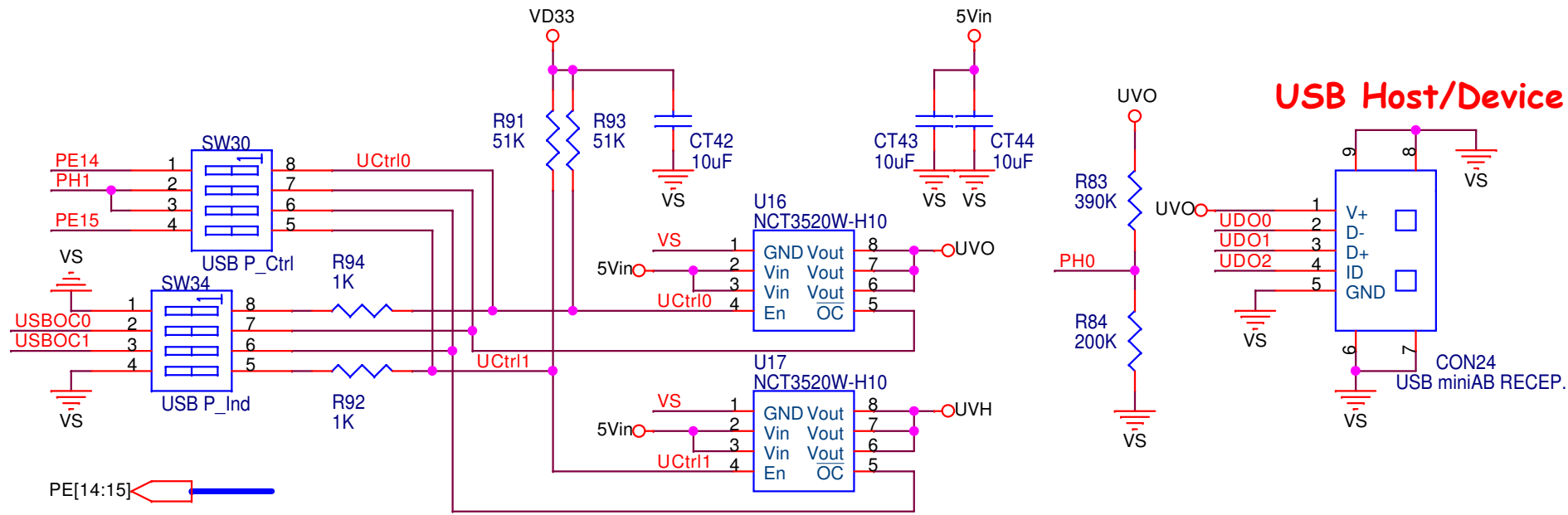


**CAN bus1**

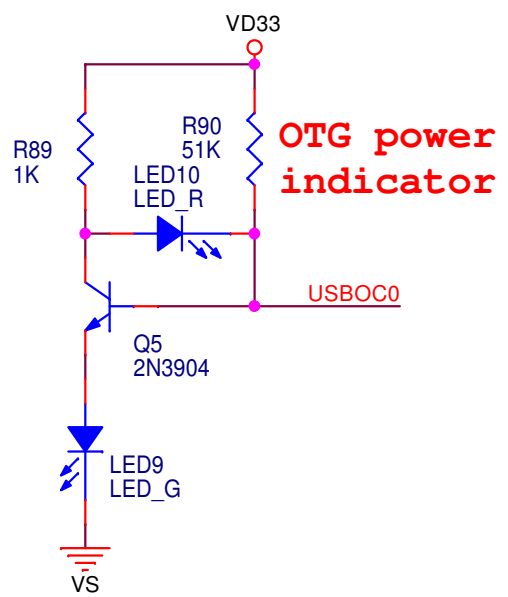
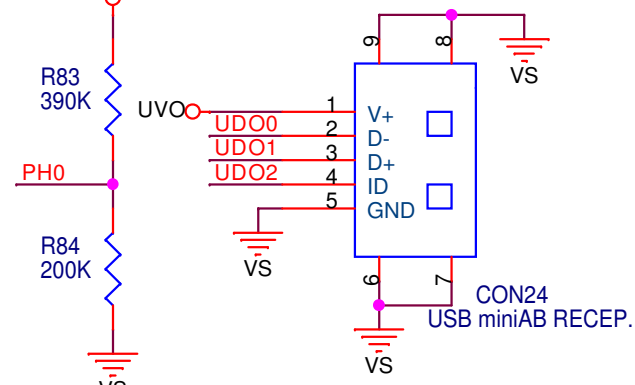


**NHS-972-1-YS-1M51**

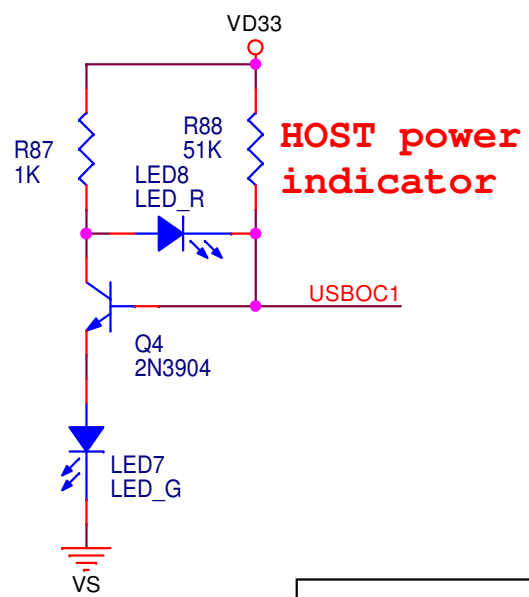




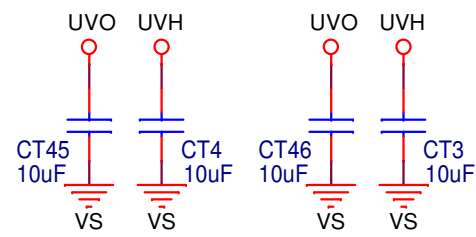
### USB Host/Device



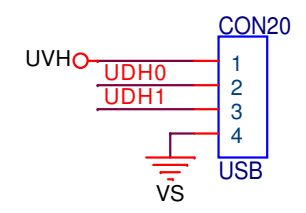
### OTG power indicator



### HOST power indicator



### USB Host



<b>NHS-972-1-YS-1M51</b>		
Size	Document Number	Rev
Custom	<b>USB</b>	1.0
Date:	Tuesday, September 02, 2014	Sheet 14 of 14