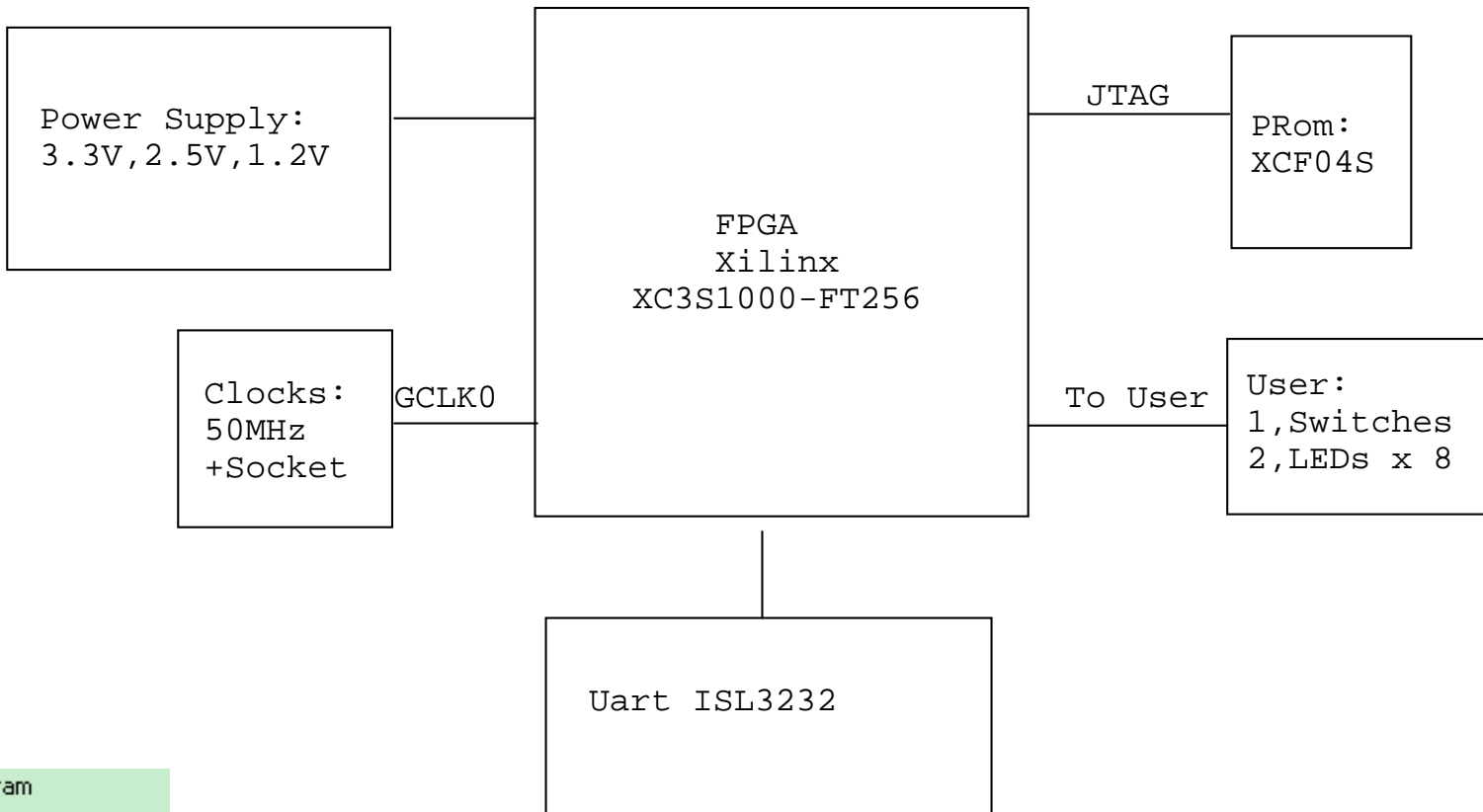
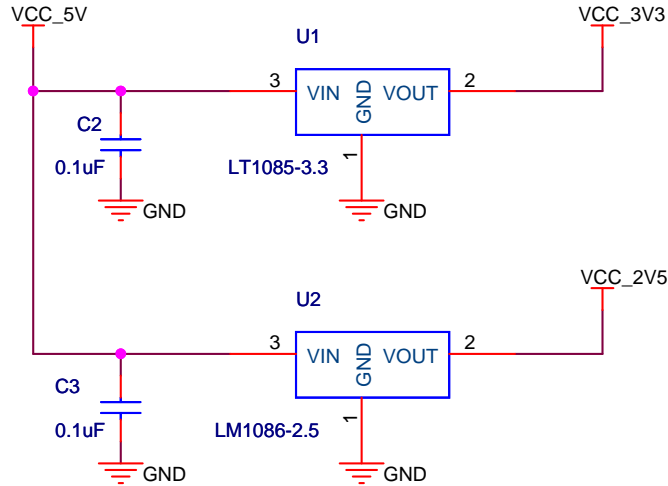
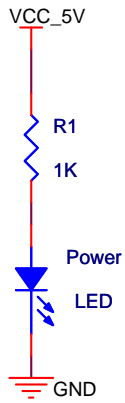


ElecKits,Global electronic kits(UHF RFID STM32 WiFi Arduino ARM)online store.
 website:http://www.eleekits.com
 website:http://eleekits.com
 Skype: eleekits2011



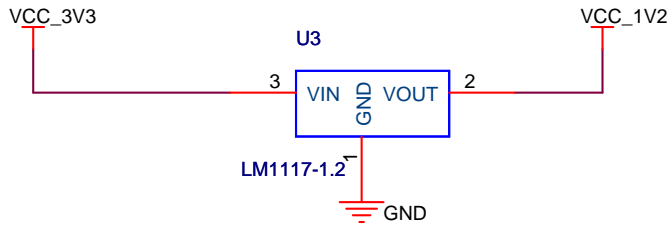
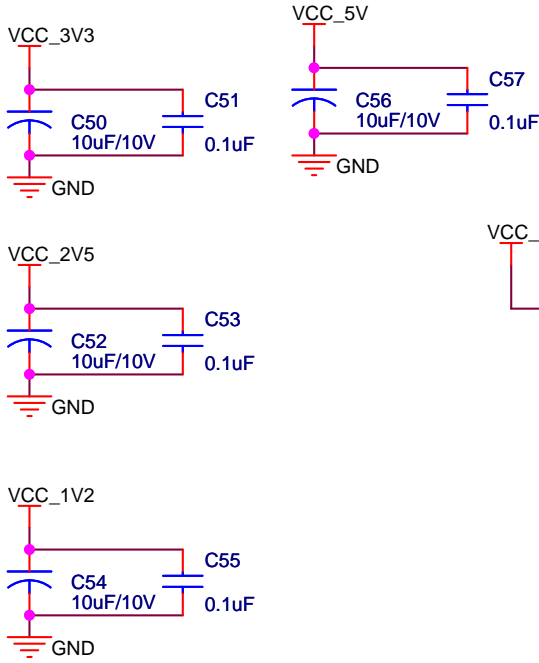
- 01 Block Diagram
- 02 Power Supply
- 03 Bank0 & Bank1 & LEDs
- 04 Bank2 & Bank3
- 05 Bank4 & Bank5 & CLK
- 06 Bank6 & Bank7
- 07 FPGA Power
- 08 FPGA JTAG PRom
- 09 Connector
- 10 Revision Notes

无锡速腾 XC3S1000-FT256 核心板		
Title		
Block Diagram		
Size	Document Number	Rev
A	<Doc>	1.0
Date:	Thursday, January 20, 2011	Sheet 1 of 10

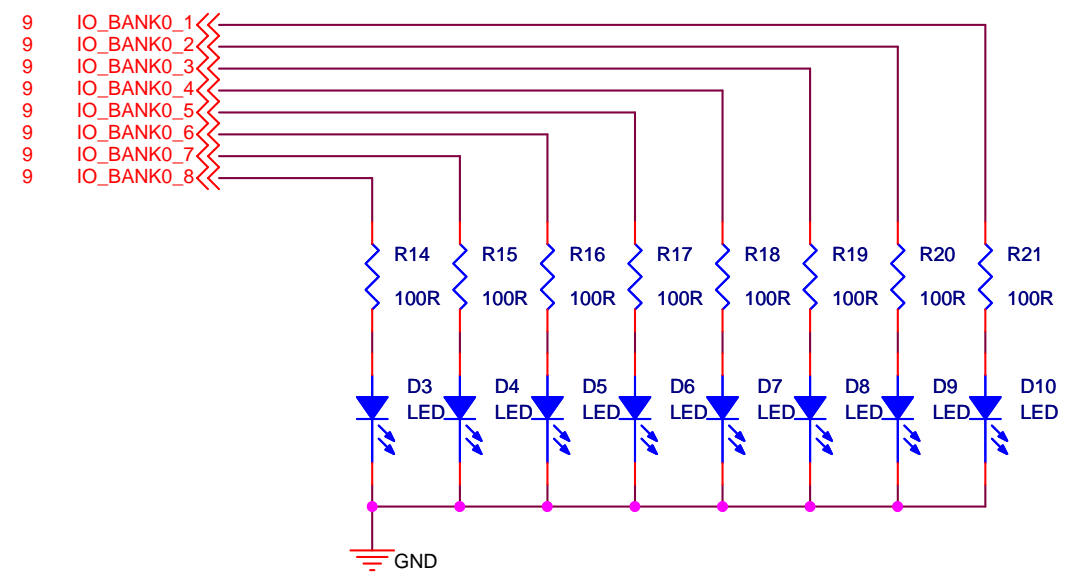
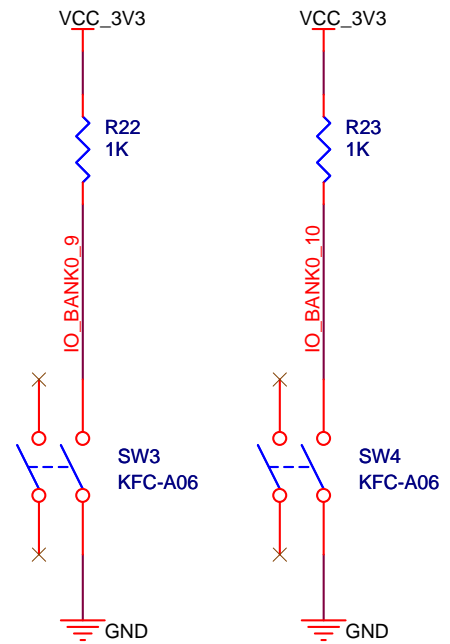
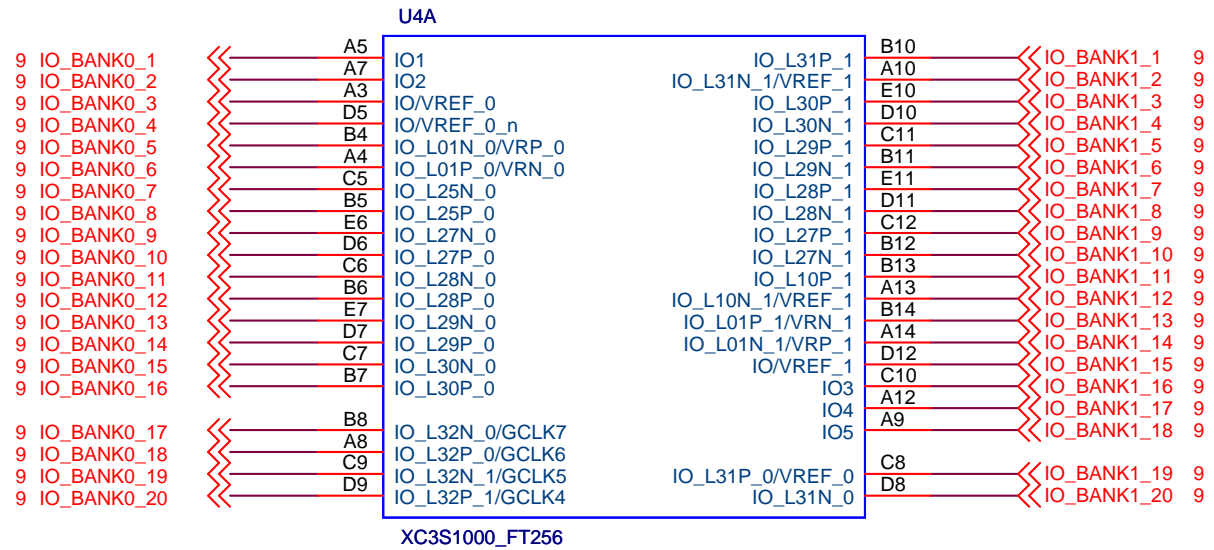


0R/OPEN

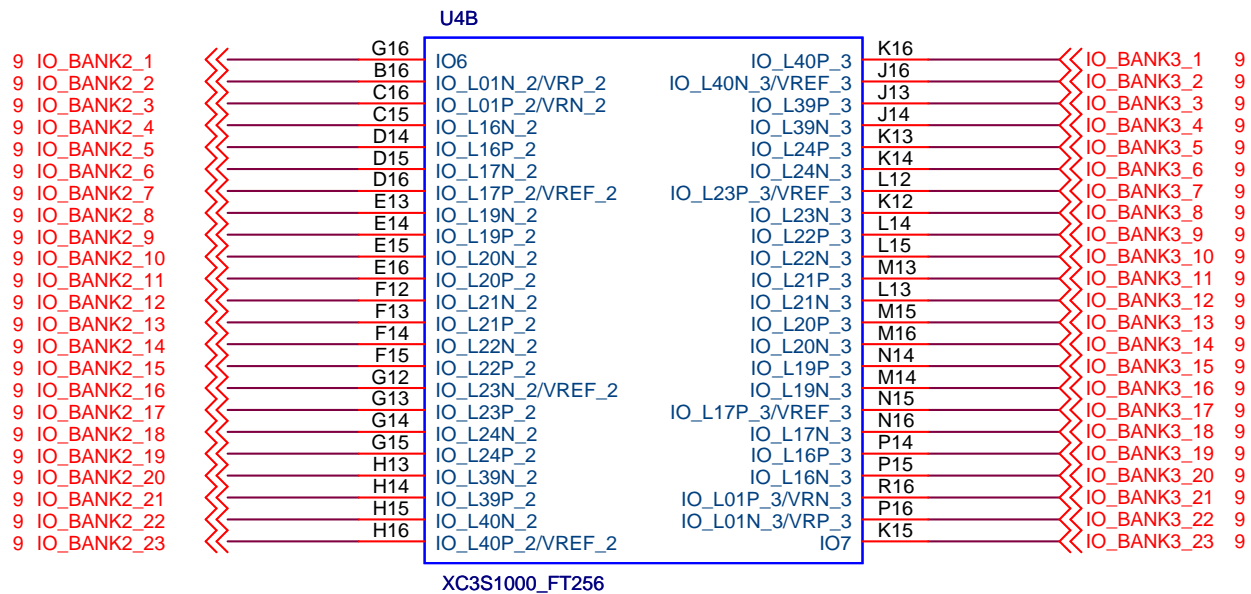
- 1、如果底板能够直接提供3V3的电源，则不焊U1，将R6（0R-0805）焊上；
- 2、如果底板提供的系5V电源，则不焊R6，将U1焊上；
- 3、上电时需要注意该部分器件设置；



无锡速腾 XC3S1000-FT256 核心板		
Title Power Supply		
Size A	Document Number <Doc>	Rev 1.0
Date:	Thursday, January 20, 2011	Sheet 2 of 10

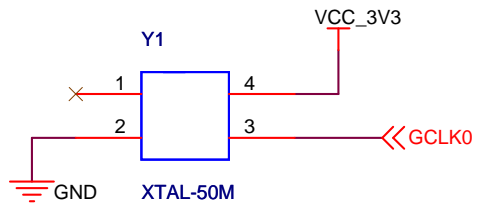
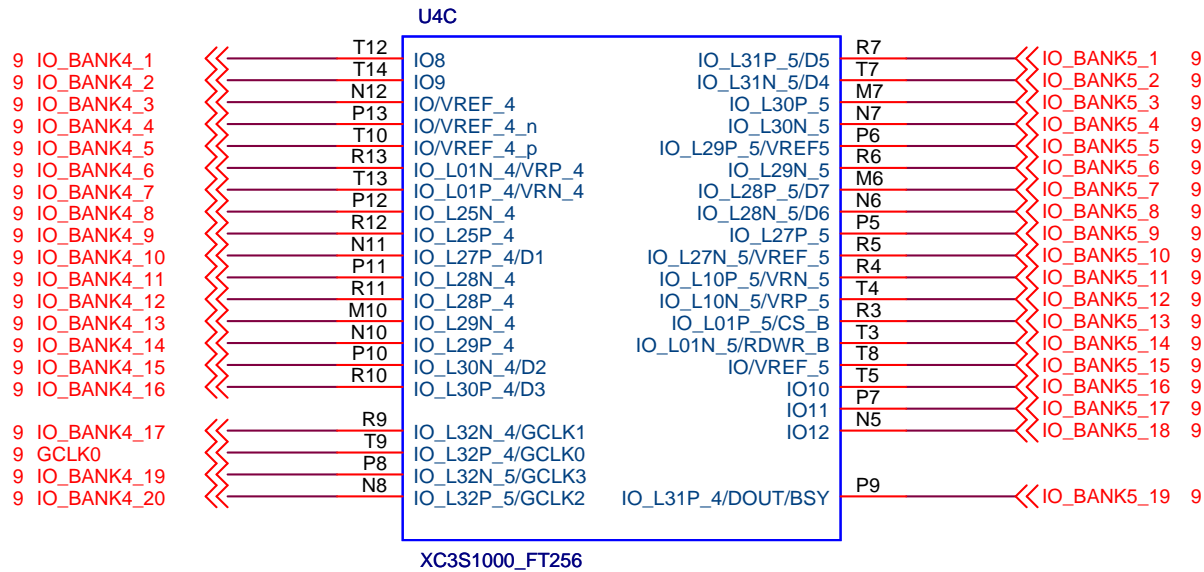


无锡速腾 XC3S1000-FT256 核心板		
Title Bank 0 & Bank 1 & LEDs*8 & Keys		
Size A	Document Number <Doc>	Rev <RevCode>
Date:	Thursday, January 20, 2011	Sheet 3 of 10

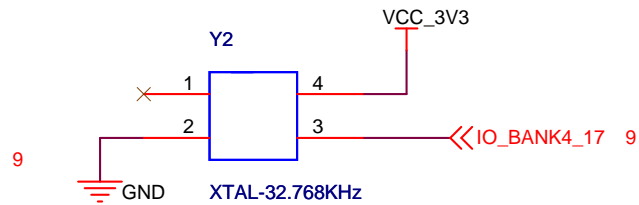


无锡速腾 XC3S1000-FT256 核心板

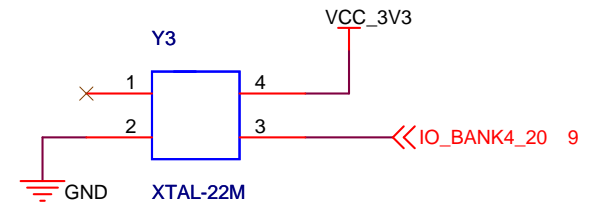
Title		
Bank 2 & Bank 3		
Size	Document Number	Rev
A	<Doc>	<RevCode>
Date: Thursday, January 20, 2011		Sheet 4 of 10



1、GCLK0=50MHz, Use T9

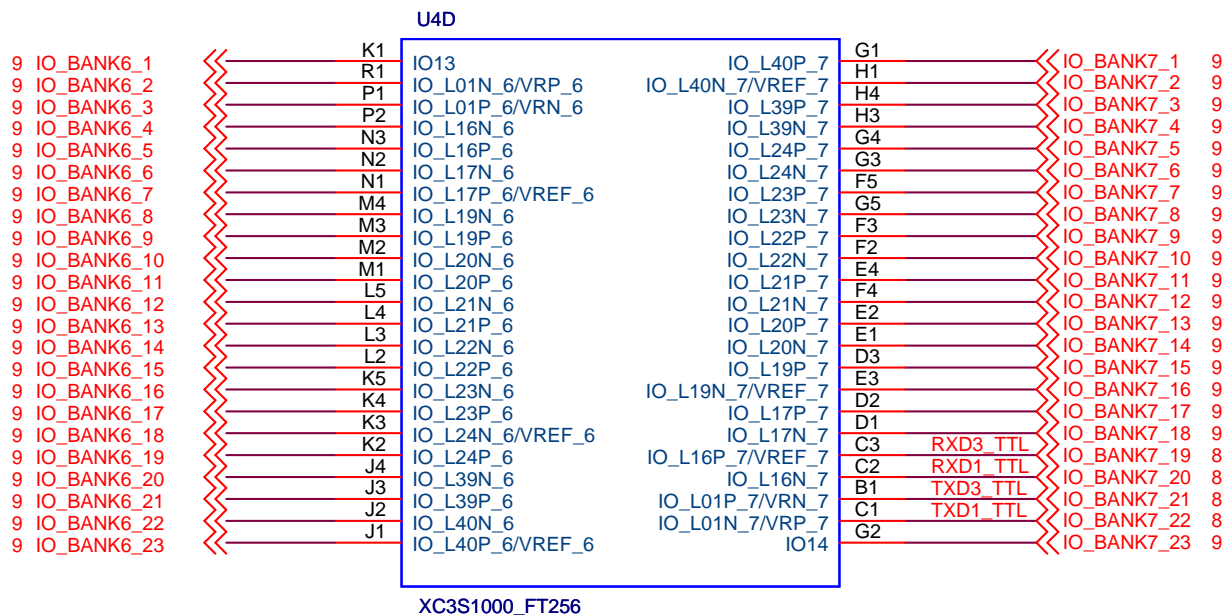


1、GCLK0=32.768kHz, Use R9
2、使用有源晶振, 如用无源晶振需要新增一个非门70LS04;

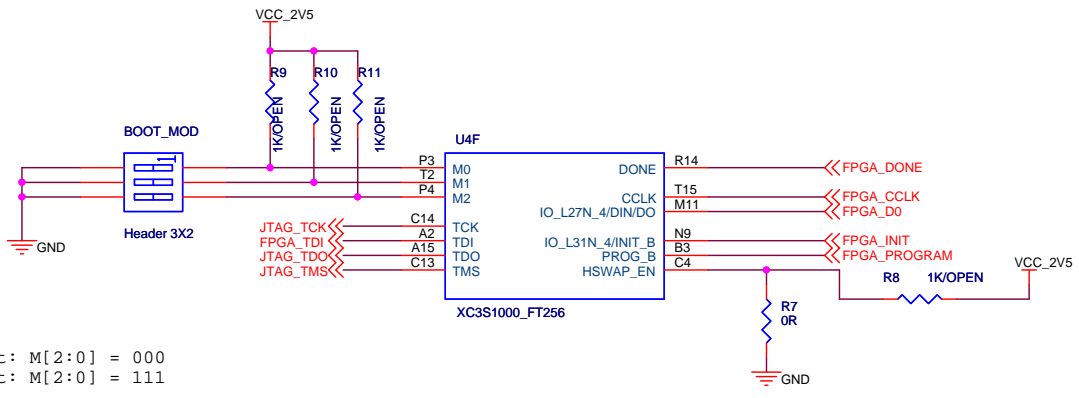


1、GCLK0=22MHz, Use N8

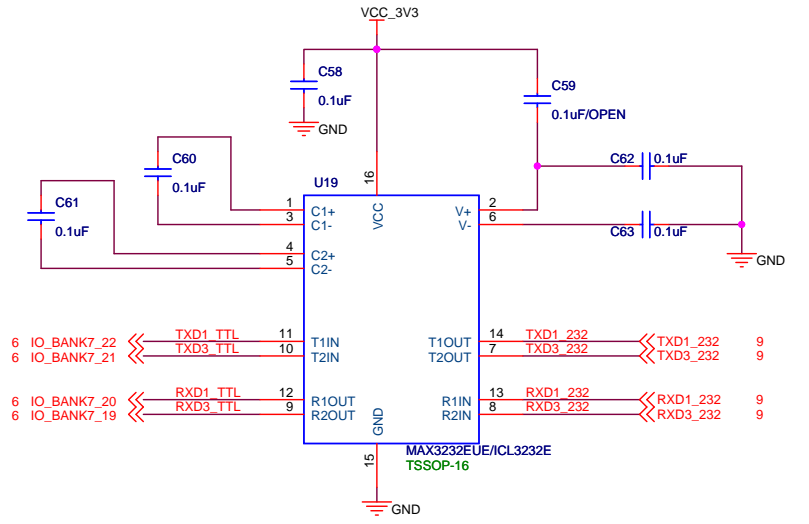
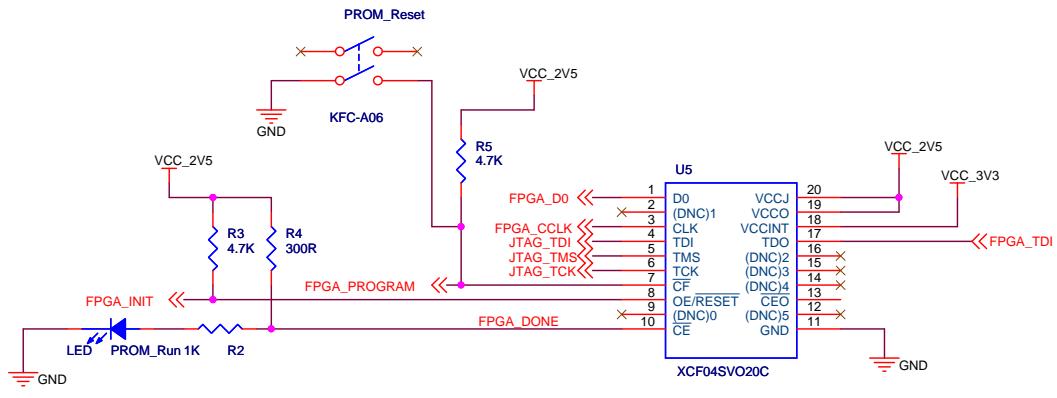
无锡速腾 XC3S1000-FT256 核心板		
Title		
Bank4 & Bank 5 & CLK		
Size	Document Number	Rev
A	<Doc>	<RevCode>
Date:	Thursday, January 20, 2011	Sheet 5 of 10



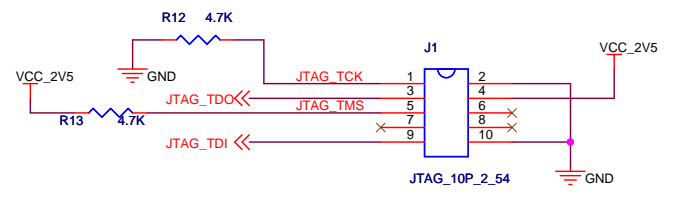
无锡速腾 XC3S1000-FT256 核心板		
Title		
Bank 6 & Bank 7		
Size	Document Number	Rev
A	<Doc>	<RevCode>
Date:	Thursday, January 20, 2011	Sheet 6 of 10



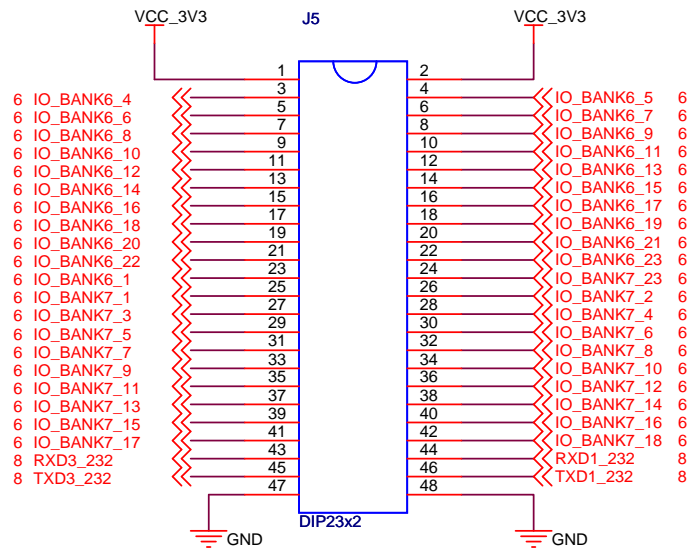
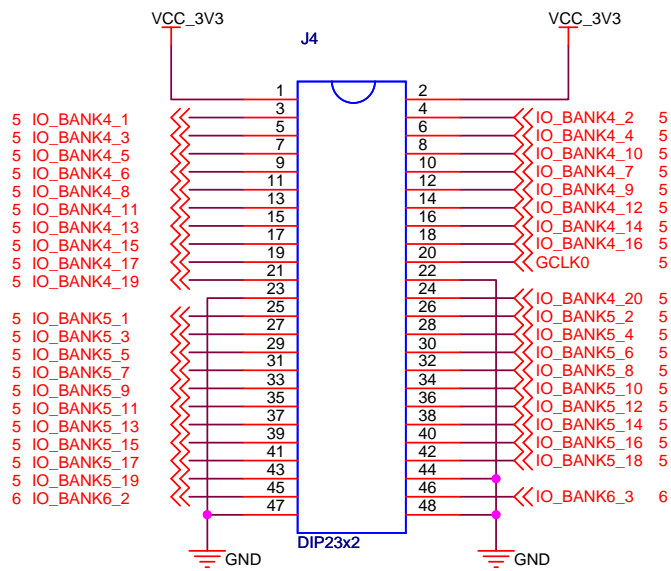
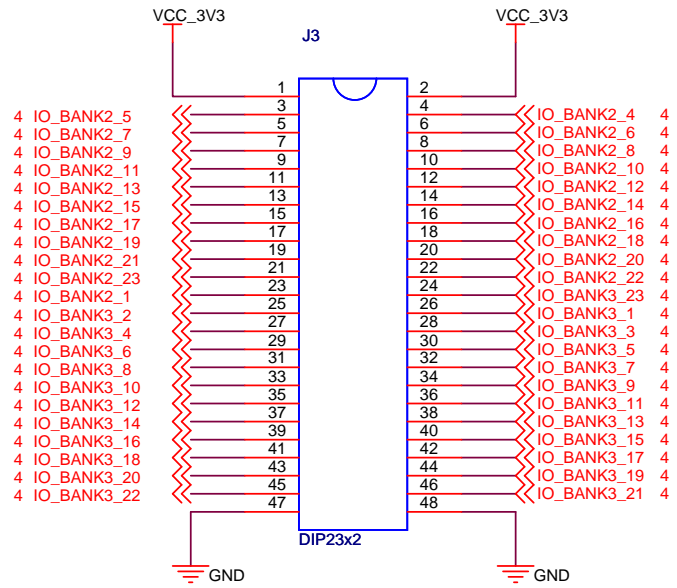
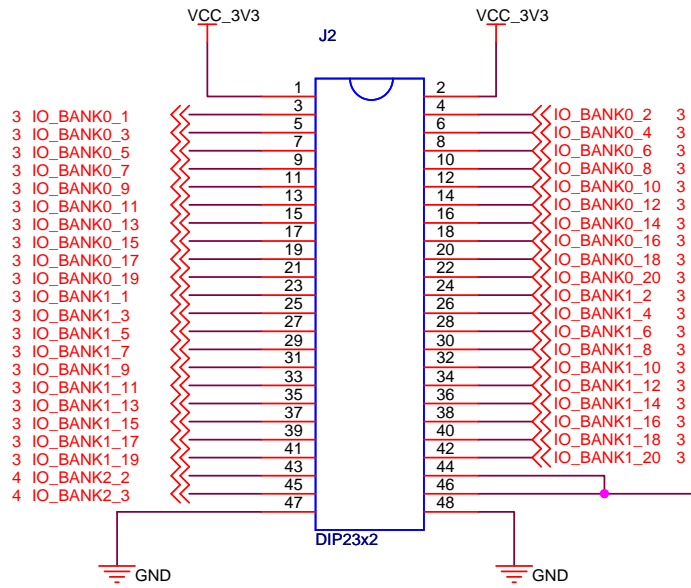
NOTE:
 PROM Boot: M[2:0] = 000
 FPGA Boot: M[2:0] = 111



NOTE: The negative terminal of C59 can be connected to either VCC_3V3 or GND



无锡速腾 XC3S1000-FT256 核心板			
Title FPGA JTAG PROM			
Size B	Document Number <Doc>		Rev <RevCode>
Date:	Thursday, January 20, 2011	Sheet 8	of 10



FPGA开放16组差分对，可用于差分信号输入输出。

16组差分对：

Diff- <P>	<N>
IO_BANK7_17	IO_BANK7_18
IO_BANK7_15	IO_BANK7_16
IO_BANK7_5	IO_BANK7_6
IO_BANK7_3	IO_BANK7_4
IO_BANK7_1	IO_BANK7_2
IO_BANK6_23	IO_BANK6_22
IO_BANK6_21	IO_BANK6_20
IO_BANK6_11	IO_BANK6_10
IO_BANK6_9	IO_BANK6_8
IO_BANK6_7	IO_BANK6_6
IO_BANK5_13	IO_BANK5_14
IO_BANK5_11	IO_BANK5_12
IO_BANK5_1	IO_BANK5_2
IO_BANK4_7	IO_BANK4_6
IO_BANK3_13	IO_BANK3_14
IO_BANK2_21	IO_BANK2_20

无锡速腾 XC3S1000-FT256 核心板

Title Connector		
Size	Document Number Custom<Doc>	Rev <Rev Code>
Date:	Thursday, January 20, 2011	Sheet 9 of 10

Revision Notes:

- 1、 Add Y2、 Y3

Ver 1.1

2011.1.19

- 1\ Modfiy J1 (2.0 to 2.54)
- 2\ Add ICL3232
- 3\ 将FPGA-MOD[2:0]的三个1K 上拉电阻R9、 R10、 R11 留空， 不焊接；
- 4\ 将U5 (XCF04S) 的Pin10 的上拉电阻R4-4.7k替换为300R 电阻；
- 5\ 将U5 (XCF04S) 的Pin18 网络由2.5V 改为3.3V供电；
- 6\ FPGA阻焊改为offset: 4mil

ElecKits,Global electronic kits(UHF RFID STM32 WiFi Arduino ARM)online store.
website:<http://www.eleckits.com>
website:<http://eleckits.com>
Skype: eleckits2011

无锡速腾 XC3S1000-FT256 核心板		
Title Revision Notes		
Size A	Document Number <Doc>	Rev <RevCode>
Date:	Thursday, January 20, 2011	Sheet 10 of 10