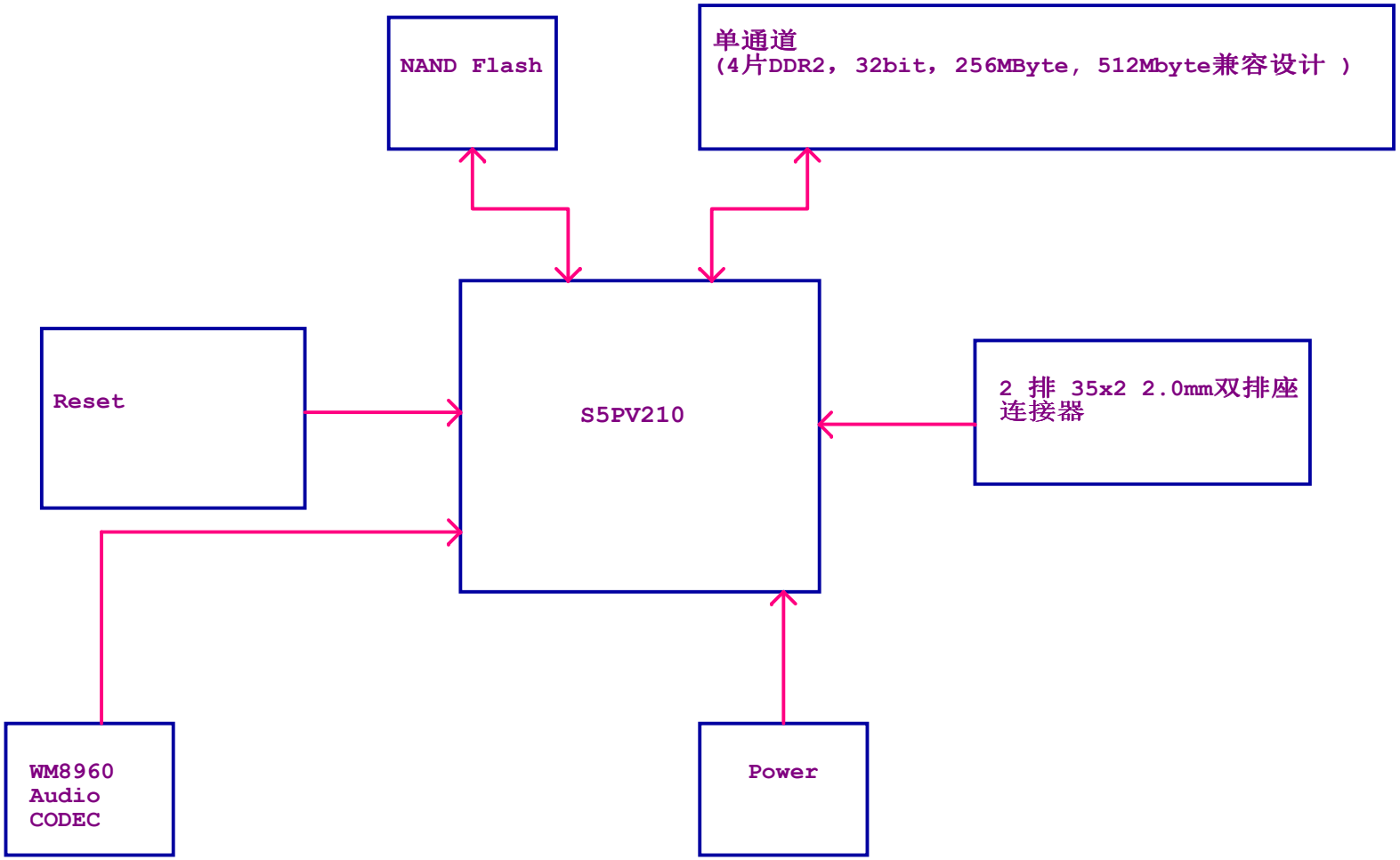
Revision History

Revision	Date	Comments
1.0	2010-12-9	初次版本

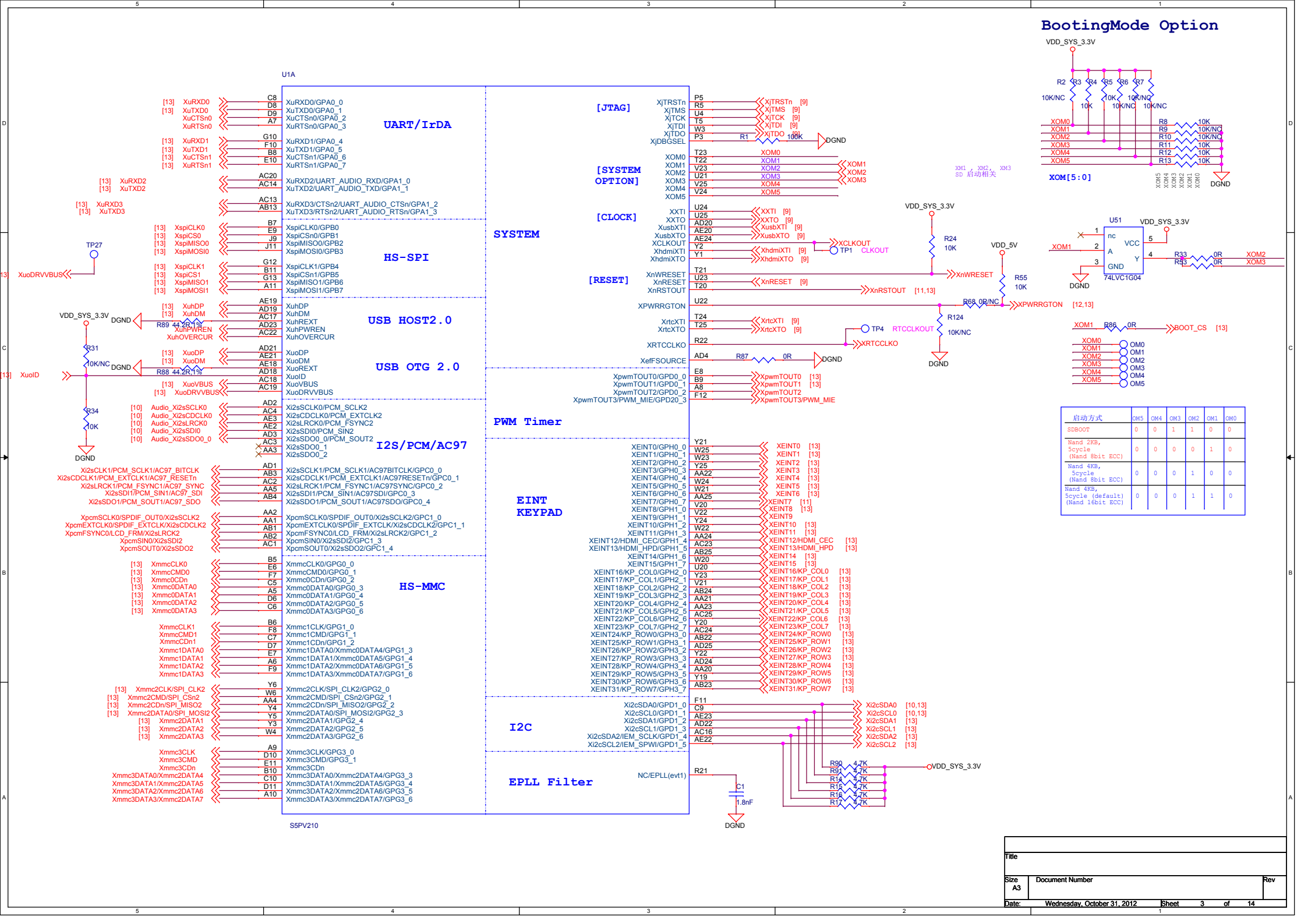
Index

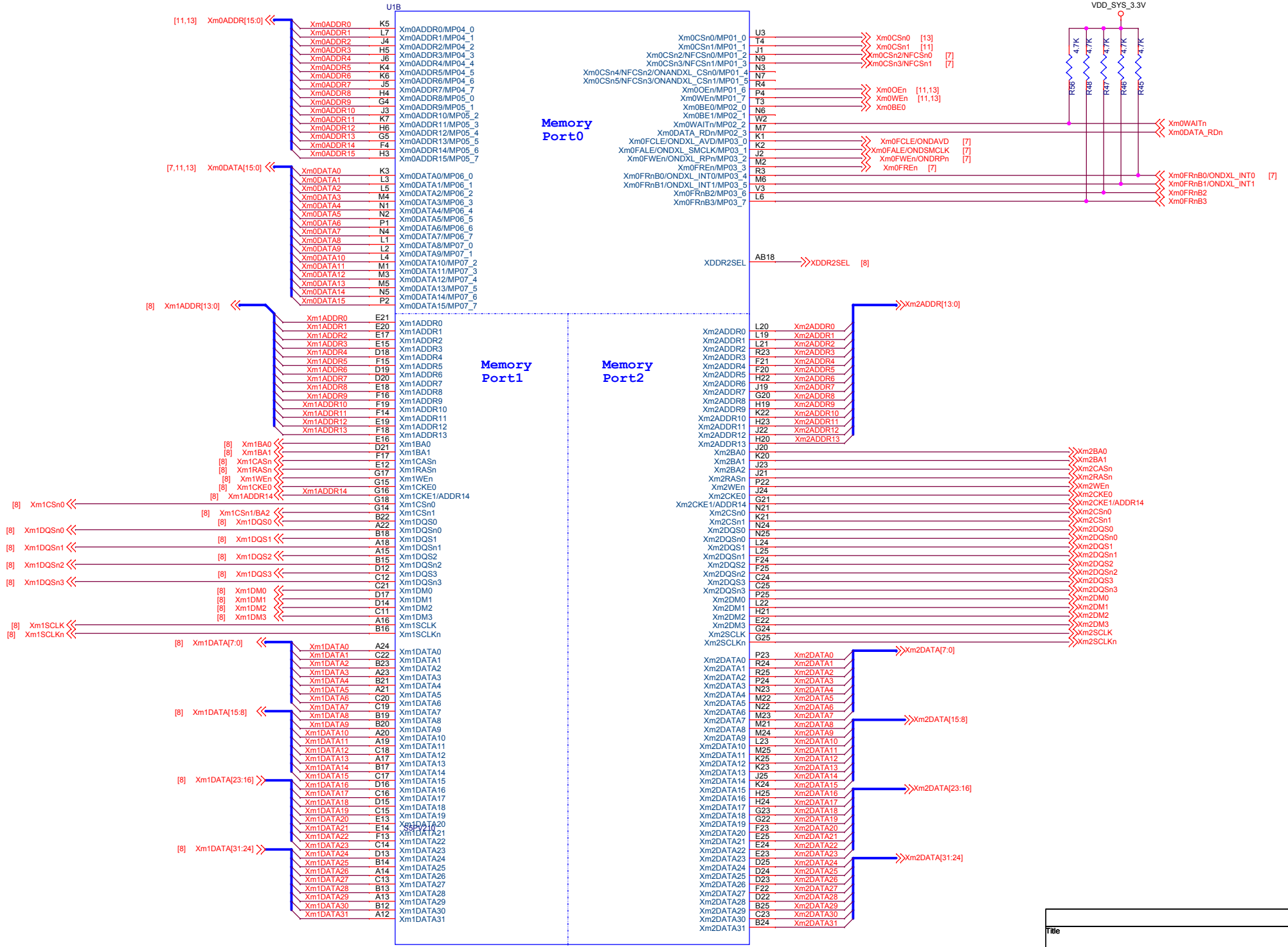
Title		
Size: A3	Document Number: <Doc>	Rev
Date: Wednesday, October 31, 2012	Sheet 1 of 14	

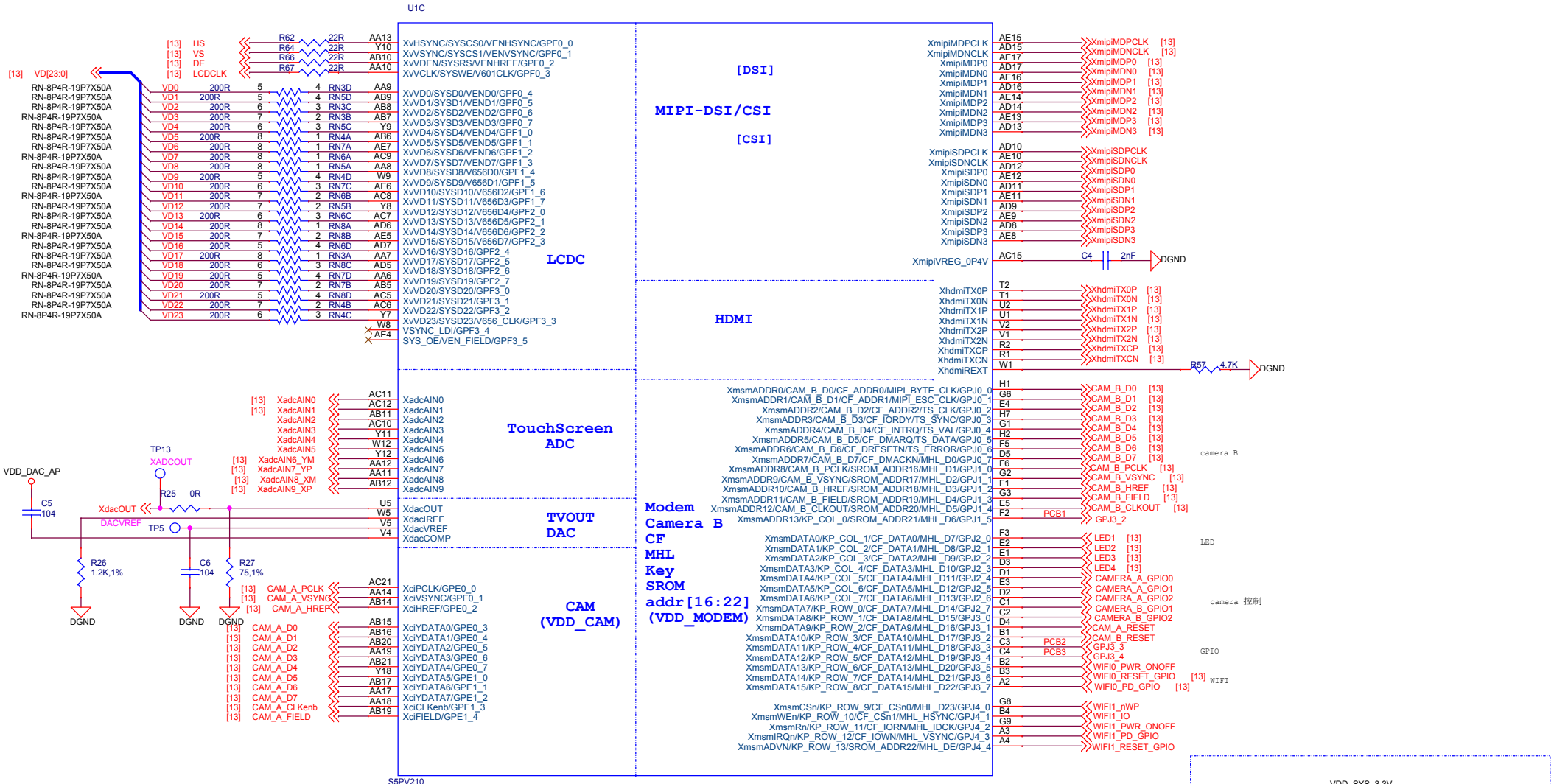


核心板面积大约75mmx75mm
周边4 排 50x2 2.0mm双排座连接器

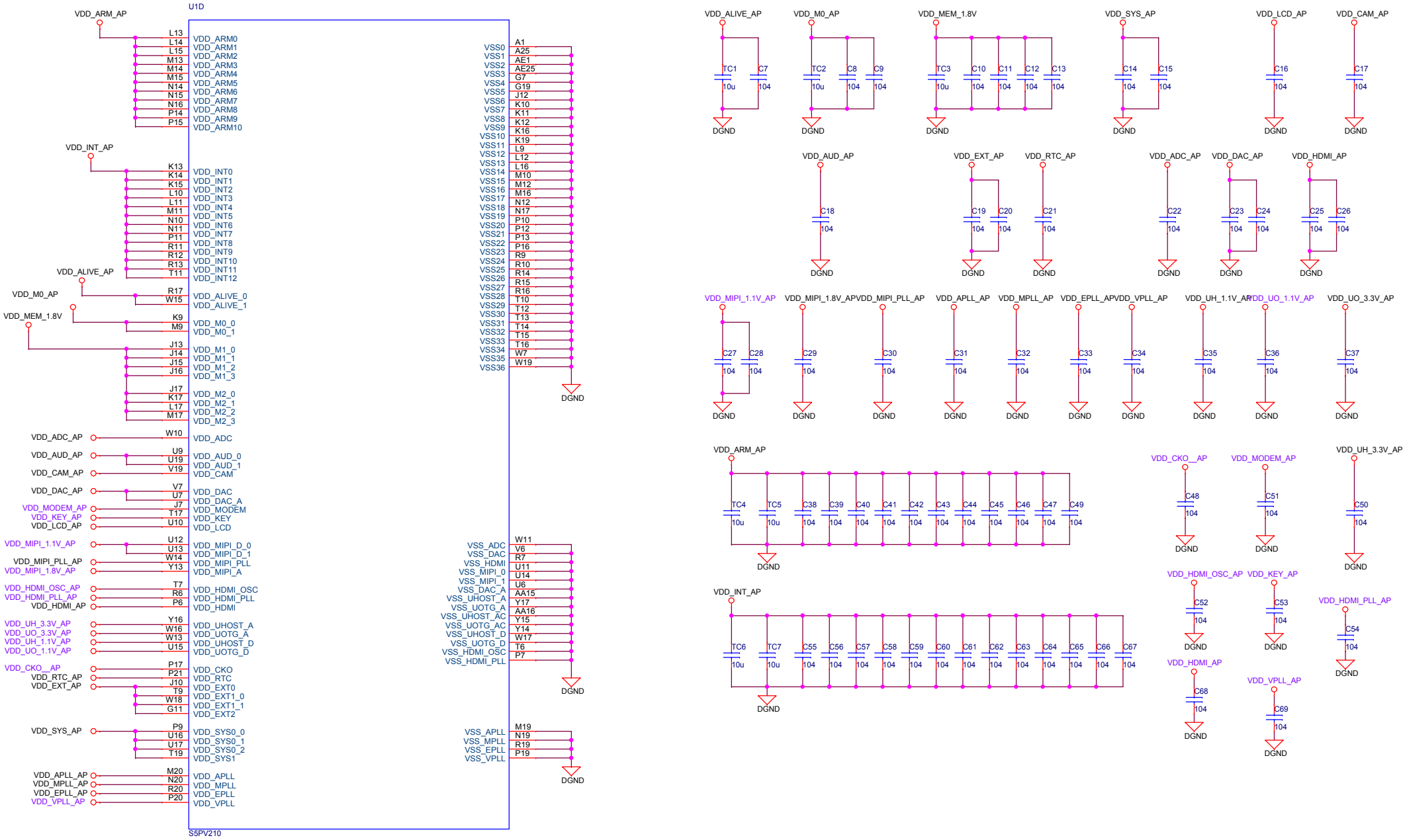
Title		
Size A3	Document Number <Doc>	Rev
Date: Wednesday, October 31, 2012	Sheet 2 of 14	


BootingMode Option
U1A
UART/IrDA
HS-SPI
USB HOST2.0
USB OTG 2.0
I2S/PCM/AC97
HS-MMC
SYSTEM
PWM Timer
EINT
KEYPAD
I2C
EPLL Filter
[JTAG]
[SYSTEM OPTION]
[CLOCK]
[RESET]
XOM[5:0]
XM1 , XM2, XM3
SD 启动相关
启动方式
SDBOOT
Nand 2KB, 5cycle (Nand 8bit ECC)
Nand 4KB, 5cycle (Nand 8bit ECC)
Nand 4KB, 5cycle (default) (Nand 16bit ECC)
S5PV210
Title
Size A3
Document Number
Rev
Date: Wednesday, October 31, 2012
Sheet 3 of 14


U1B
Memory Port0
Memory Port1
Memory Port2
VDD_SYS_3.3V
4.7K
R56
R48
R47
R46
R45
XDDR2SEL
AB18
[11,13] Xm0ADDR[15:0]
[7,11,13] Xm0DATA[15:0]
[8] Xm1ADDR[13:0]
[8] Xm1CSn0
[8] Xm1DQSn0
[8] Xm1DQSn1
[8] Xm1DQSn2
[8] Xm1DQSn3
[8] Xm1SCLK
[8] Xm1SCLKn
[8] Xm1DATA[7:0]
[8] Xm1DATA[15:8]
[8] Xm1DATA[23:16]
[8] Xm1DATA[31:24]
Xm2ADDR[13:0]
Xm2DATA[7:0]
Xm2DATA[15:8]
Xm2DATA[23:16]
Xm2DATA[31:24]
Title
Size A3
Document Number <Doc>
Rev
Date: Wednesday, October 31, 2012
Sheet 4 of 14

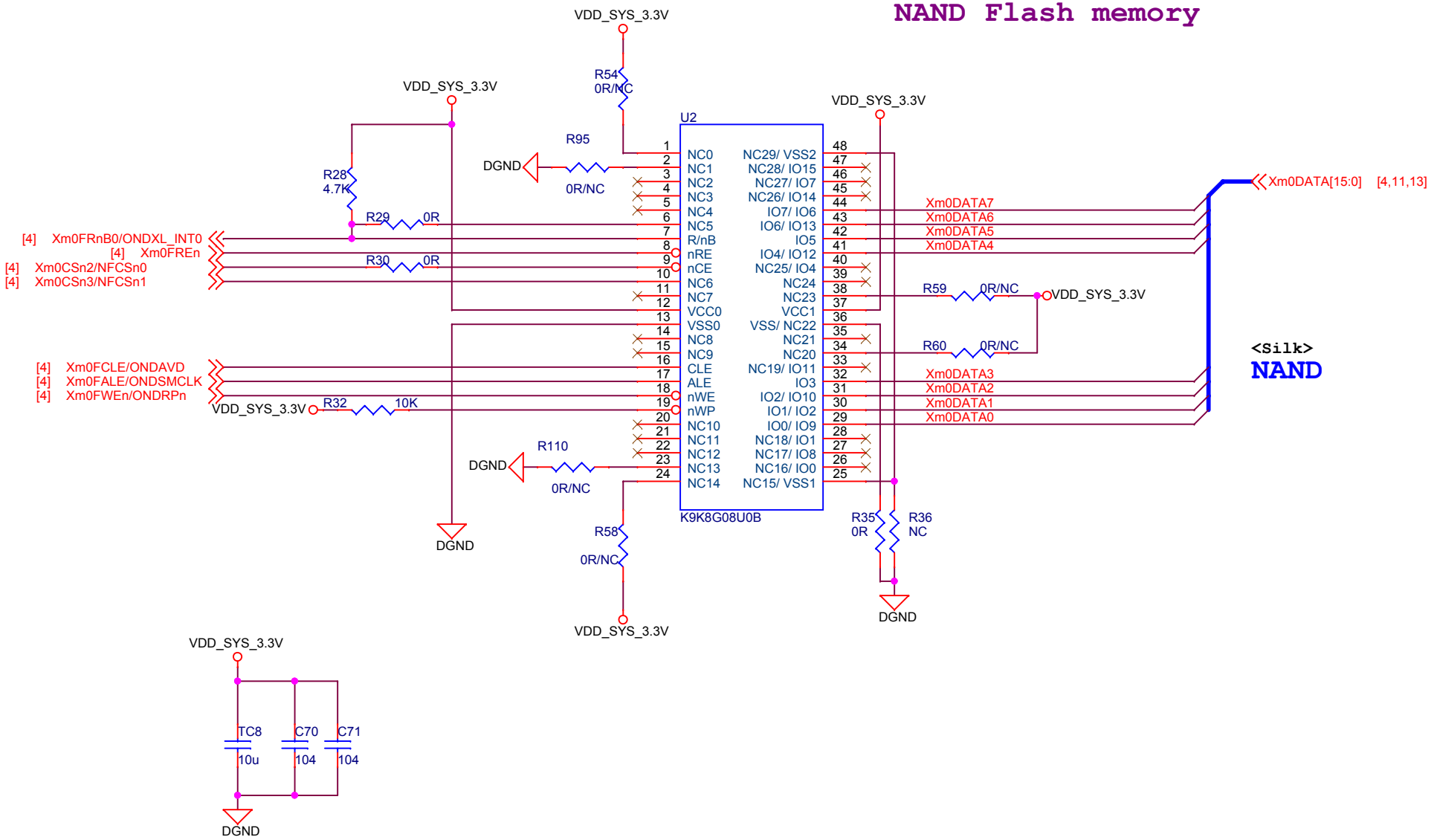


Title			
Size A3	Document Number <Doc>		Rev
Date: Wednesday, October 31, 2012	Sheet 5 of 14		

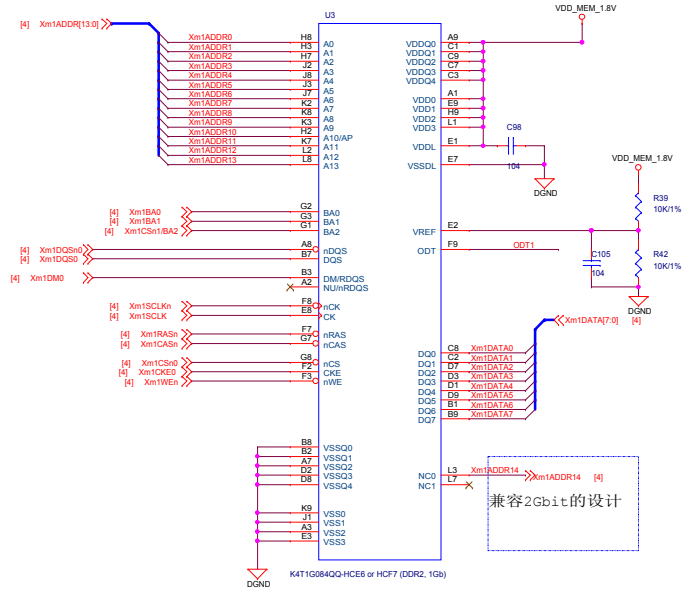


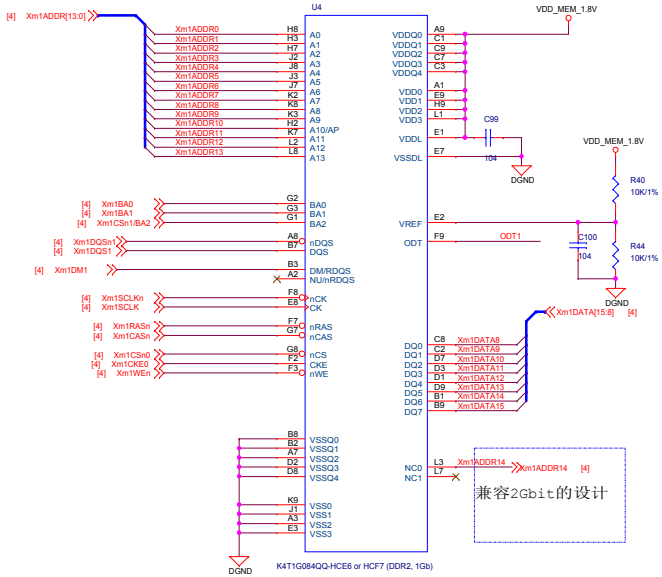
Title		
Size A3	Document Number	Rev
Date: Wednesday, October 31, 2012	Sheet 6 of 14	

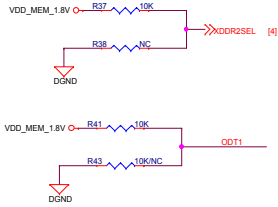
NAND Flash memory

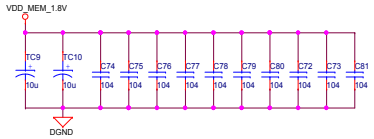


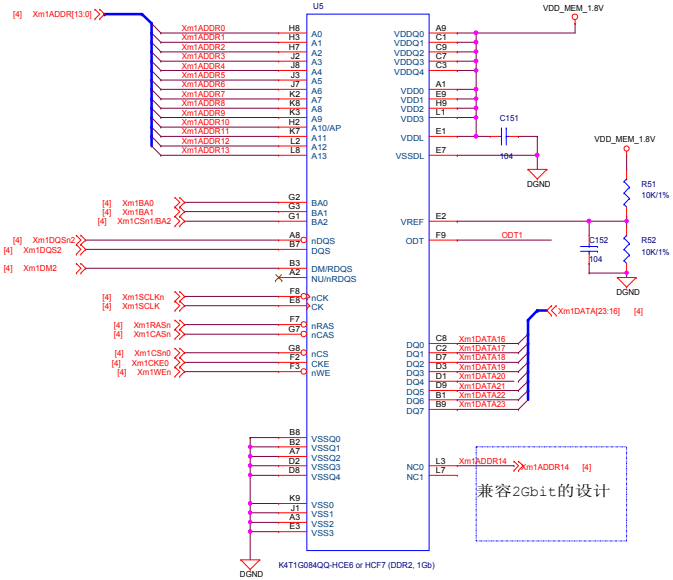
Title		
Size A4	Document Number <Doc>	Rev
Date: Wednesday, October 31, 2012	Sheet 7 of 14	

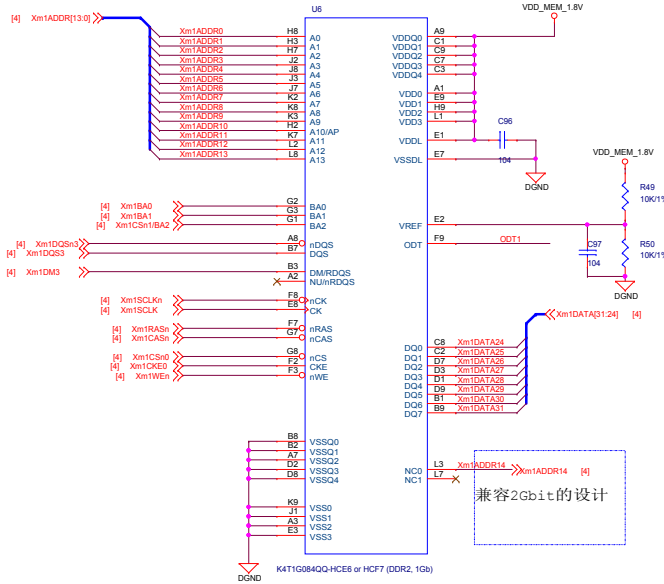


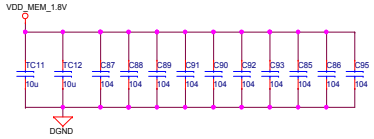


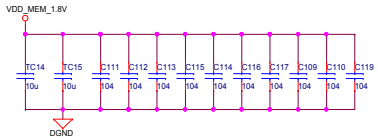


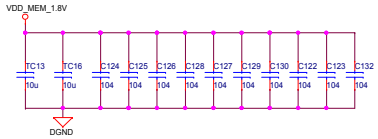






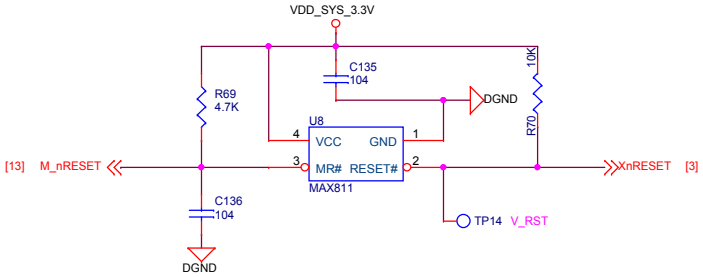




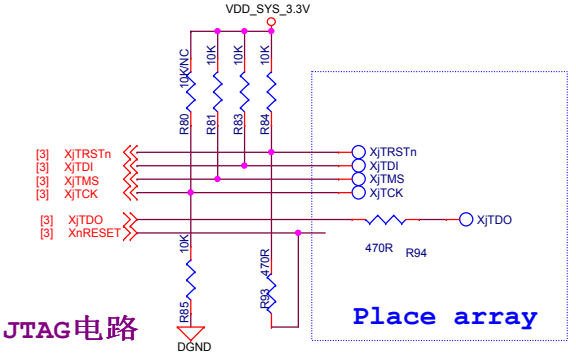


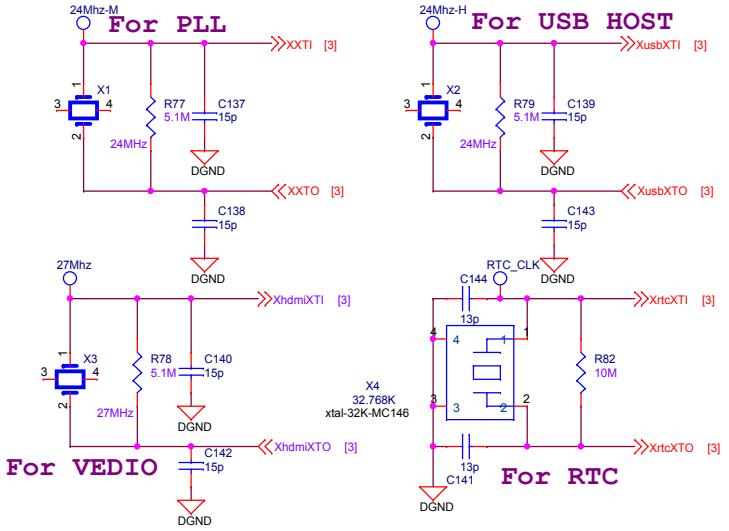
Title		
Size A2	Document Number	Rev
Date: Wednesday, October 31, 2012	Sheet 8 of 14	

复位电路

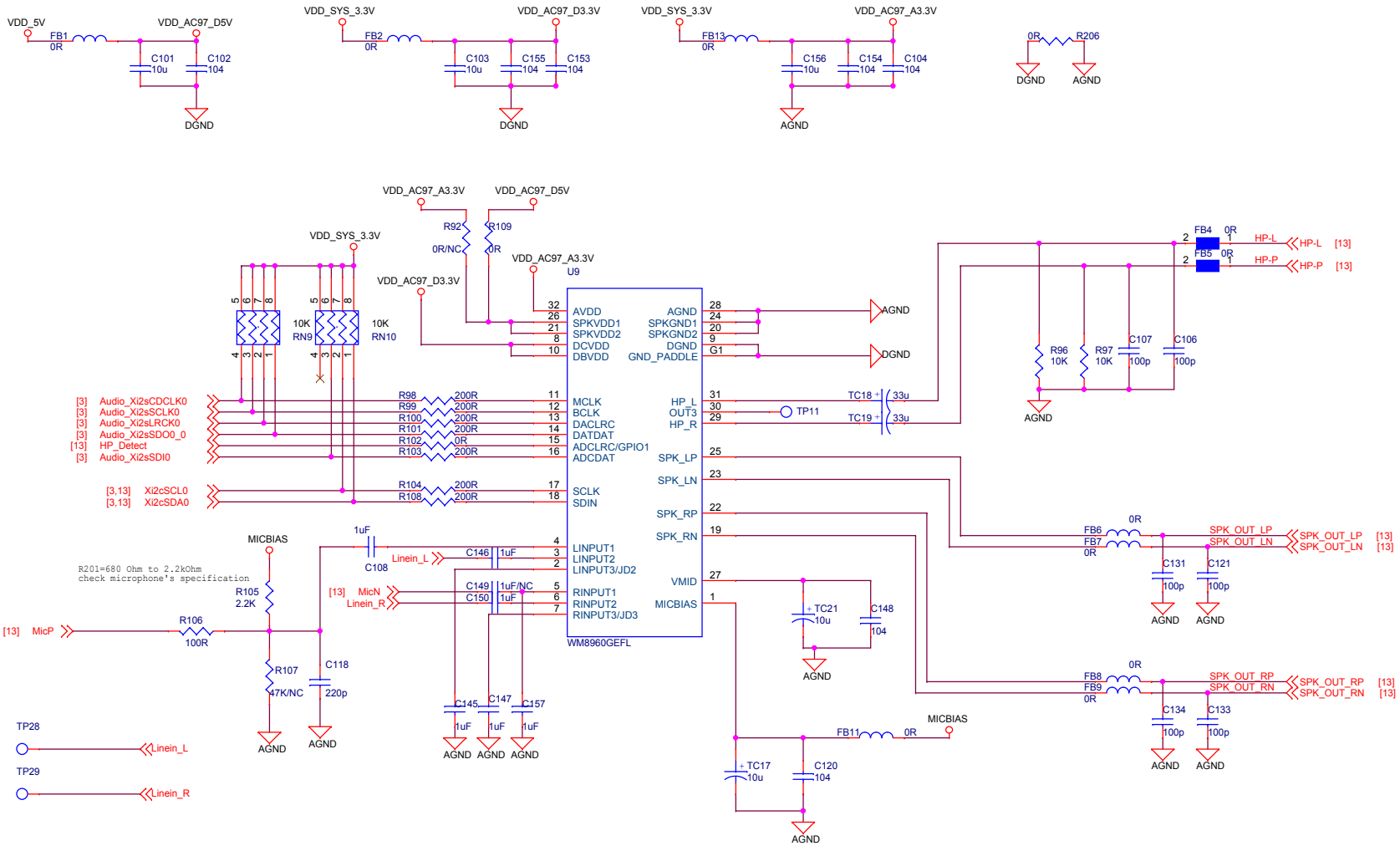


JTAG电路

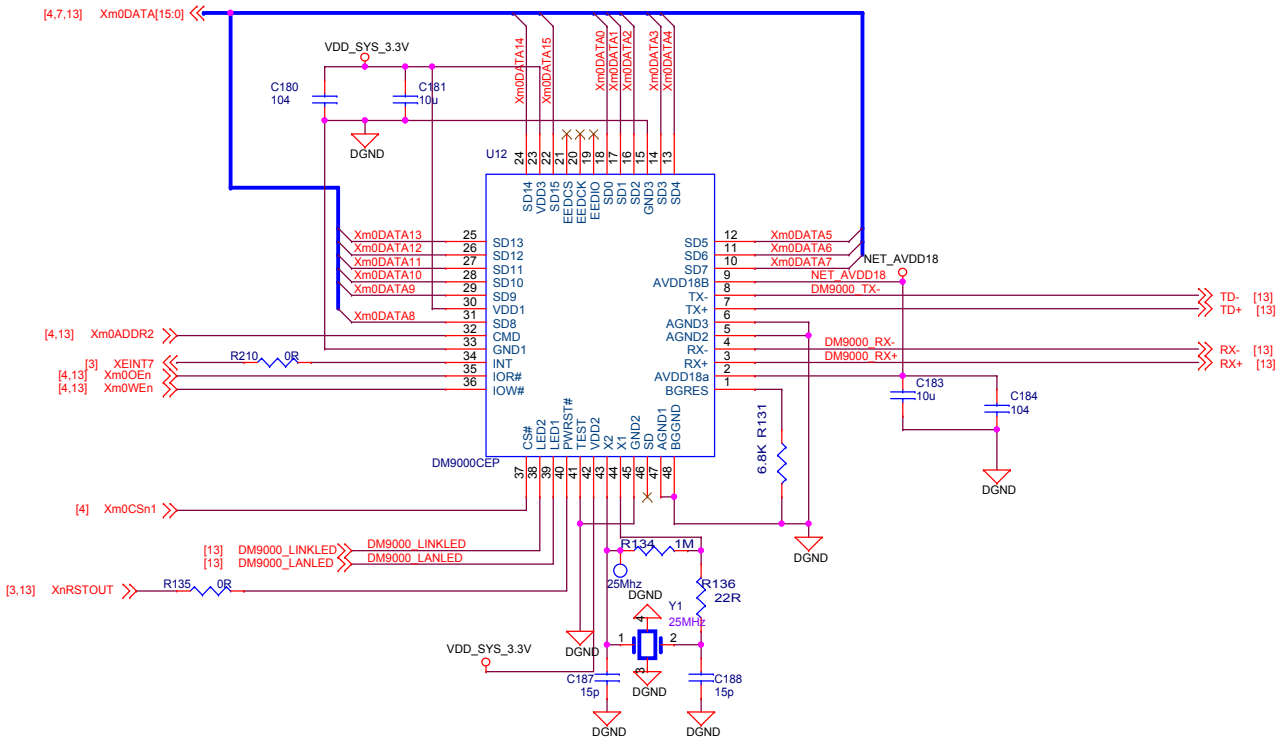




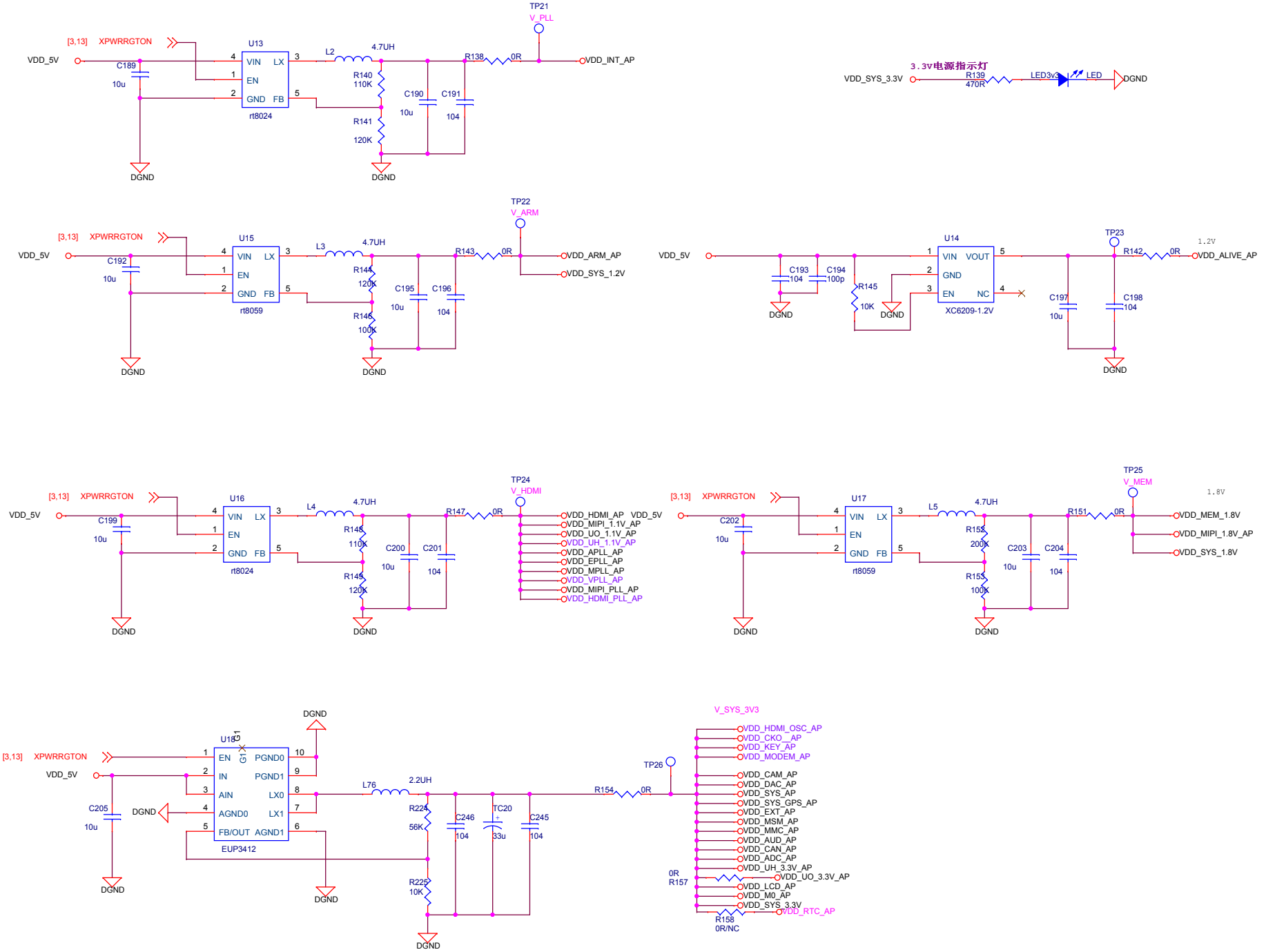
Title		
Size A3	Document Number	Rev
Date: Wednesday, October 31, 2012	Sheet 9 of 14	



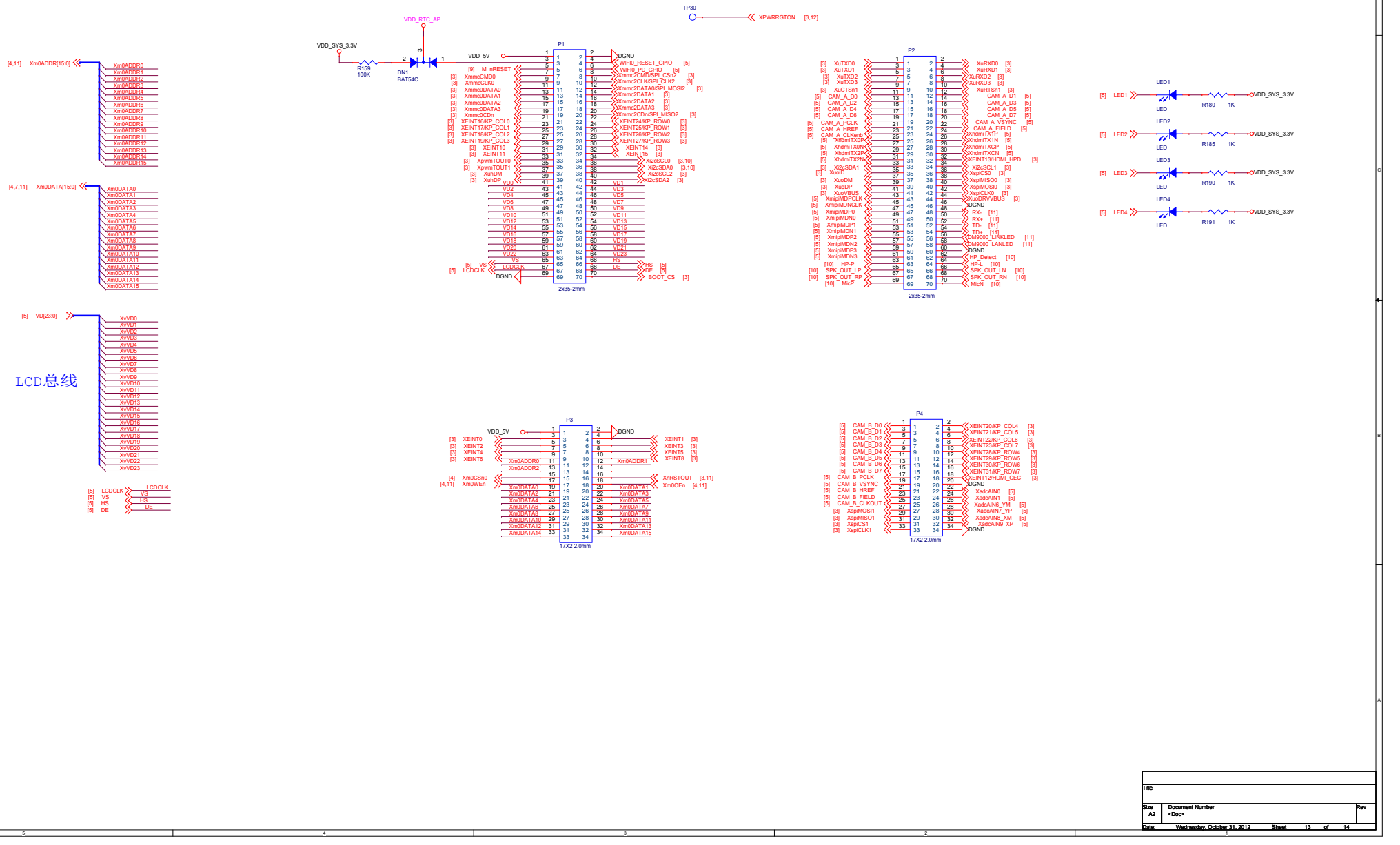
Title		
Size A3	Document Number <Doc>	Rev
Date: Wednesday, October 31, 2012	Sheet 10 of 14	

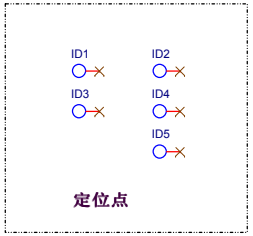


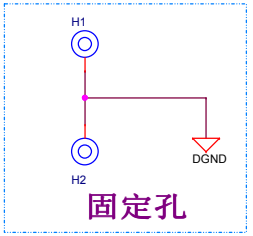
Title	<Title>	
Size A3	Document Number <Doc>	Rev
Date: Wednesday, October 31, 2012	Sheet 11 of 14	



Title		
Size A3	Document Number	Rev
Date: Wednesday, October 31, 2012	Sheet 12 of 14	


[4,11] Xm0ADDR[15:0]
Xm0ADDR0
Xm0ADDR1
Xm0ADDR2
Xm0ADDR3
Xm0ADDR4
Xm0ADDR5
Xm0ADDR6
Xm0ADDR7
Xm0ADDR8
Xm0ADDR9
Xm0ADDR10
Xm0ADDR11
Xm0ADDR12
Xm0ADDR13
Xm0ADDR14
Xm0ADDR15
[4,7,11] Xm0DATA[15:0]
Xm0DATA0
Xm0DATA1
Xm0DATA2
Xm0DATA3
Xm0DATA4
Xm0DATA5
Xm0DATA6
Xm0DATA7
Xm0DATA8
Xm0DATA9
Xm0DATA10
Xm0DATA11
Xm0DATA12
Xm0DATA13
Xm0DATA14
Xm0DATA15
[5] VD[23:0]
XvVD0
XvVD1
XvVD2
XvVD3
XvVD4
XvVD5
XvVD6
XvVD7
XvVD8
XvVD9
XvVD10
XvVD11
XvVD12
XvVD13
XvVD14
XvVD15
XvVD16
XvVD17
XvVD18
XvVD19
XvVD20
XvVD21
XvVD22
XvVD23
LCD总线
[5] LCDCLK
[5] VS
[5] HS
[5] DE
LCDCLK
VS
HS
DE
VDD_RTC_AP
VDD_SYS_3.3V
R159
100K
DN1
BAT54C
VDD_5V
P1
[9] M_nRESET
[3] XmmcCMD0
[3] XmmcCLK0
[3] Xmmc0DATA0
[3] Xmmc0DATA1
[3] Xmmc0DATA2
[3] Xmmc0DATA3
[3] Xmmc0CDn
[3] XEINT16/KP_COL0
[3] XEINT17/KP_COL1
[3] XEINT18/KP_COL2
[3] XEINT19/KP_COL3
[3] XEINT10
[3] XEINT11
[3] XpwmTOUT0
[3] XpwmTOUT1
[3] XuhDM
[3] XuhDP
VD0
VD2
VD4
VD6
VD8
VD10
VD12
VD14
VD16
VD18
VD20
VD22
VS
[5] VS
[5] LCDCLK
LCDCLK
DGND
WIFI0_RESET_GPIO [5]
WIFI0_PD_GPIO [5]
Xmmc2CMD/SPI_CSn2 [3]
Xmmc2CLK/SPI_CLK2 [3]
Xmmc2DATA0/SPI_MOSI2 [3]
Xmmc2DATA1 [3]
Xmmc2DATA2 [3]
Xmmc2DATA3 [3]
Xmmc2CDn/SPI_MISO2 [3]
XEINT24/KP_ROW0 [3]
XEINT25/KP_ROW1 [3]
XEINT26/KP_ROW2 [3]
XEINT27/KP_ROW3 [3]
XEINT14 [3]
XEINT15 [3]
Xi2cSCL0 [3,10]
Xi2cSDA0 [3,10]
Xi2cSCL2 [3]
Xi2cSDA2 [3]
VD1
VD3
VD5
VD7
VD9
VD11
VD13
VD15
VD17
VD19
VD21
VD23
HS
DE
BOOT_CS [3]
HS [5]
DE [5]
2x35-2mm
TP30
XPWRRGTON [3,12]
P2
[3] XuTXD0
[3] XuTXD1
[3] XuTXD2
[3] XuTXD3
[3] XuCTSn1
[5] CAM_A_D0
[5] CAM_A_D2
[5] CAM_A_D4
[5] CAM_A_D6
[5] CAM_A_PCLK
[5] CAM_A_HREF
[5] CAM_A_CLKenb
[5] XhdmiTX0P
[5] XhdmiTX0N
[5] XhdmiTX2P
[5] XhdmiTX2N
[3] XuoID
[3] XuoDM
[3] XuoDP
[3] XuoVBUS
[5] XmipiMDPCLK
[5] XmipiMDNCLK
[5] XmipiMDP0
[5] XmipiMDN0
[5] XmipiMDP1
[5] XmipiMDN1
[5] XmipiMDP2
[5] XmipiMDN2
[5] XmipiMDP3
[5] XmipiMDN3
[10] HP-P
[10] SPK_OUT_LP
[10] SPK_OUT_RP
[10] MicP
XuRXD0 [3]
XuRXD1 [3]
XuRXD2 [3]
XuRXD3 [3]
XuRTSn1 [3]
CAM_A_D1 [5]
CAM_A_D3 [5]
CAM_A_D5 [5]
CAM_A_D7 [5]
CAM_A_VSYNC [5]
CAM_A_FIELD [5]
XhdmiTXTP [5]
XhdmiTX1N [5]
XhdmiTXCP [5]
XhdmiTXCN [5]
XEINT13/HDMI_HPD [3]
Xi2cSCL1 [3]
XspiCS0 [3]
XspiMISO0 [3]
XspiMOSI0 [3]
XspiCLK0 [3]
XuUDRVVBUS [3]
DGND
RX- [11]
RX+ [11]
TD- [11]
TD+ [11]
XM9000_LINKLED [11]
XM9000_LANLED [11]
DGND
HP_Detect [10]
HP-L [10]
SPK_OUT_LN [10]
SPK_OUT_RN [10]
MicN [10]
2x35-2mm
LED1
LED2
LED3
LED4
[5] LED1
[5] LED2
[5] LED3
[5] LED4
LED
R180 1K
R185 1K
R190 1K
R191 1K
VDD_SYS_3.3V
P3
VDD_5V
[3] XEINT0
[3] XEINT2
[3] XEINT4
[3] XEINT6
Xm0ADDR0
Xm0ADDR2
[4] Xm0CSn0
[4,11] Xm0WEn
Xm0DATA0
Xm0DATA2
Xm0DATA4
Xm0DATA6
Xm0DATA8
Xm0DATA10
Xm0DATA12
Xm0DATA14
DGND
XEINT1 [3]
XEINT3 [3]
XEINT5 [3]
XEINT8 [3]
Xm0ADDR1
XnRSTOUT [3,11]
Xm0OEn [4,11]
Xm0DATA1
Xm0DATA3
Xm0DATA5
Xm0DATA7
Xm0DATA9
Xm0DATA11
Xm0DATA13
Xm0DATA15
17X2 2.0mm
P4
[5] CAM_B_D0
[5] CAM_B_D1
[5] CAM_B_D2
[5] CAM_B_D3
[5] CAM_B_D4
[5] CAM_B_D5
[5] CAM_B_D6
[5] CAM_B_D7
[5] CAM_B_PCLK
[5] CAM_B_VSYNC
[5] CAM_B_HREF
[5] CAM_B_FIELD
[5] CAM_B_CLKOUT
[3] XspiMOSI1
[3] XspiMISO1
[3] XspiCS1
[3] XspiCLK1
XEINT20/KP_COL4 [3]
XEINT21/KP_COL5 [3]
XEINT22/KP_COL6 [3]
XEINT23/KP_COL7 [3]
XEINT28/KP_ROW4 [3]
XEINT29/KP_ROW5 [3]
XEINT30/KP_ROW6 [3]
XEINT31/KP_ROW7 [3]
XEINT12/HDMI_CEC [3]
DGND
XadcAIN0 [5]
XadcAIN1 [5]
XadcAIN6_YM [5]
XadcAIN7_YP [5]
XadcAIN8_XM [5]
XadcAIN9_XP [5]
DGND
17X2 2.0mm
Title
Size A2
Document Number <Doc>
Rev
Date: Wednesday, October 31, 2012
Sheet 13 of 14





Title		
Size A3	Document Number	Rev
Date: Wednesday, October 31, 2012	Sheet 14 of 14	