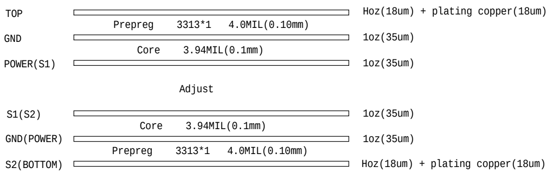
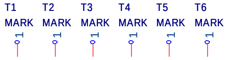
CONTENT INDEXING

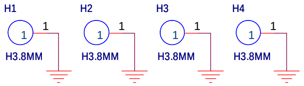
PCB POWER WIRE WIDTH INDICATE

🟥	above 80 miles
🟪	above 50 miles
🟩	above 30 miles
🟦	above 16 miles
No indicate	Under needs

6 LAYERS PCB STACK







福州瑞芯微电子有限公司			
Title: Index			
File: PX2_SDK_V10		REV: 1.1	
Create Date:	Wednesday, December 14, 2011	Page Num:	1
Modify Date:	Thursday, June 12, 2014	Page Total:	17

Version	Date	Author	Change Note	Approved
V1.0	20140111		First edictor	

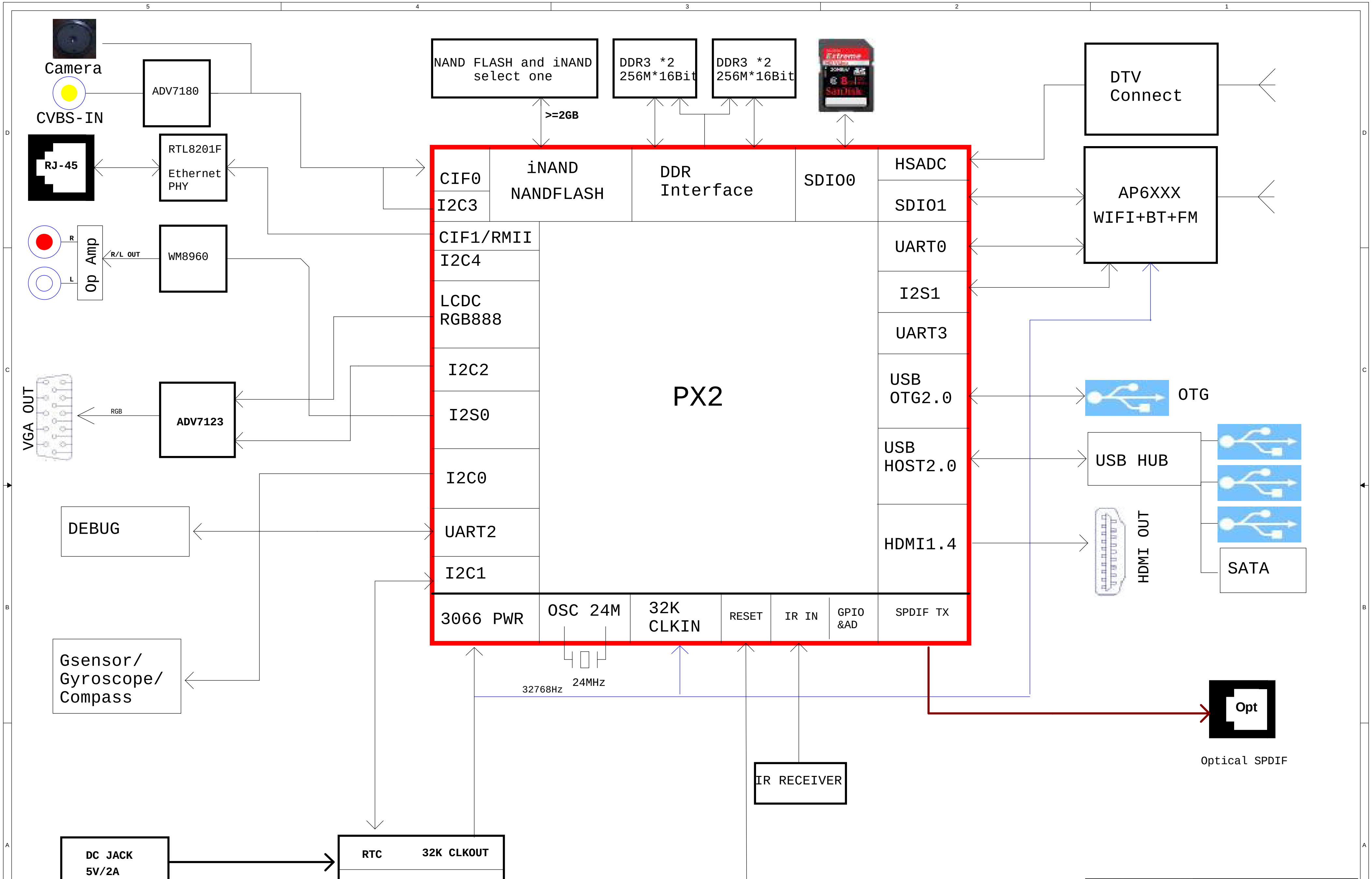
福州瑞芯微电子有限公司

Title: Modify note

File: PX2_SDK_V10 REV: 1.1

Create Date: Saturday, October 23, 2010 Page Num: 2

Modify Date: Thursday, June 12, 2014 Page Total: 17



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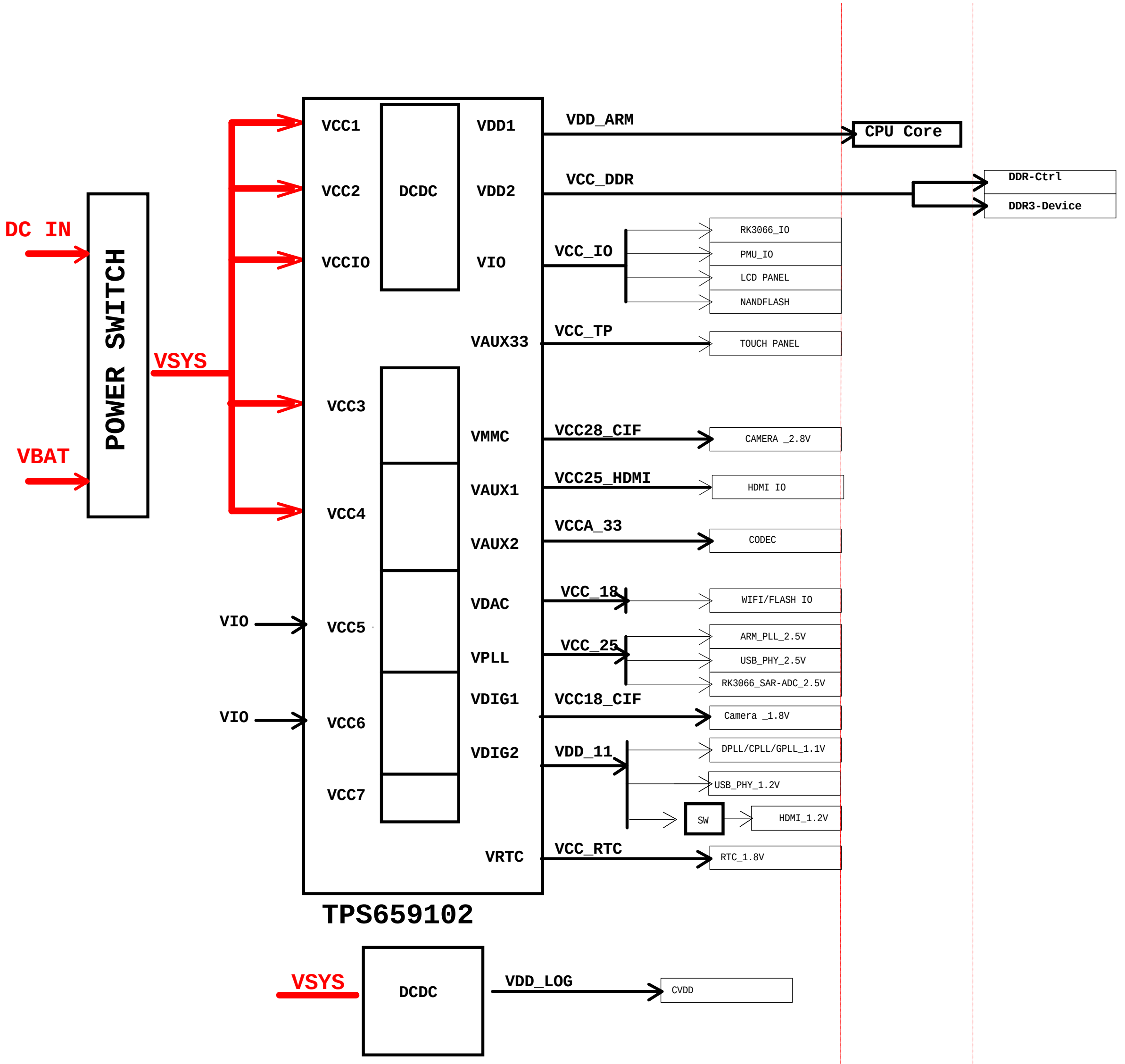
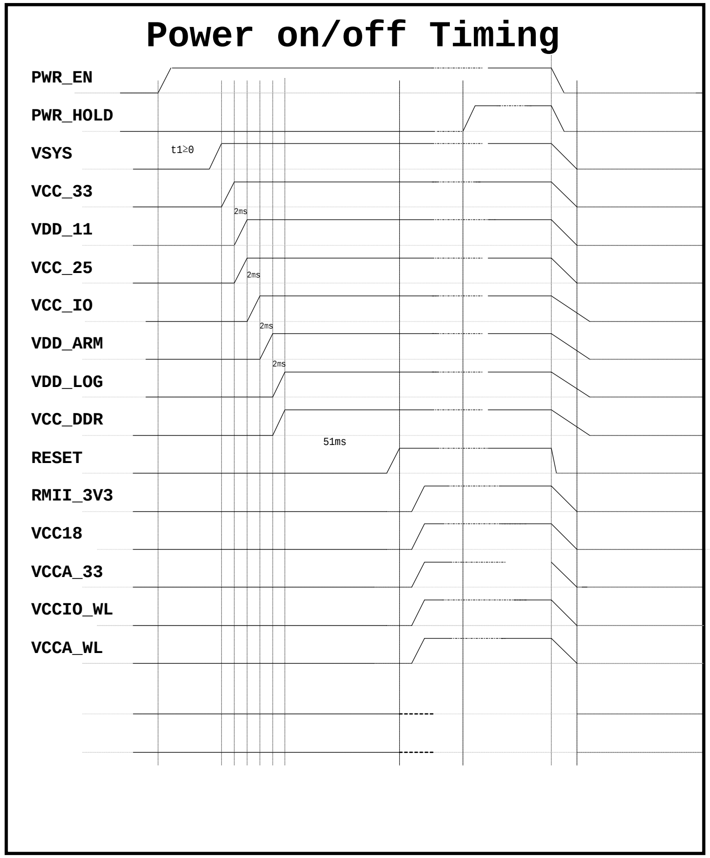
Title: Block Diagram

File: PX2_SDK_V10 REV: 1.1

Create Date: Saturday, October 23, 2010 Page Num: 3

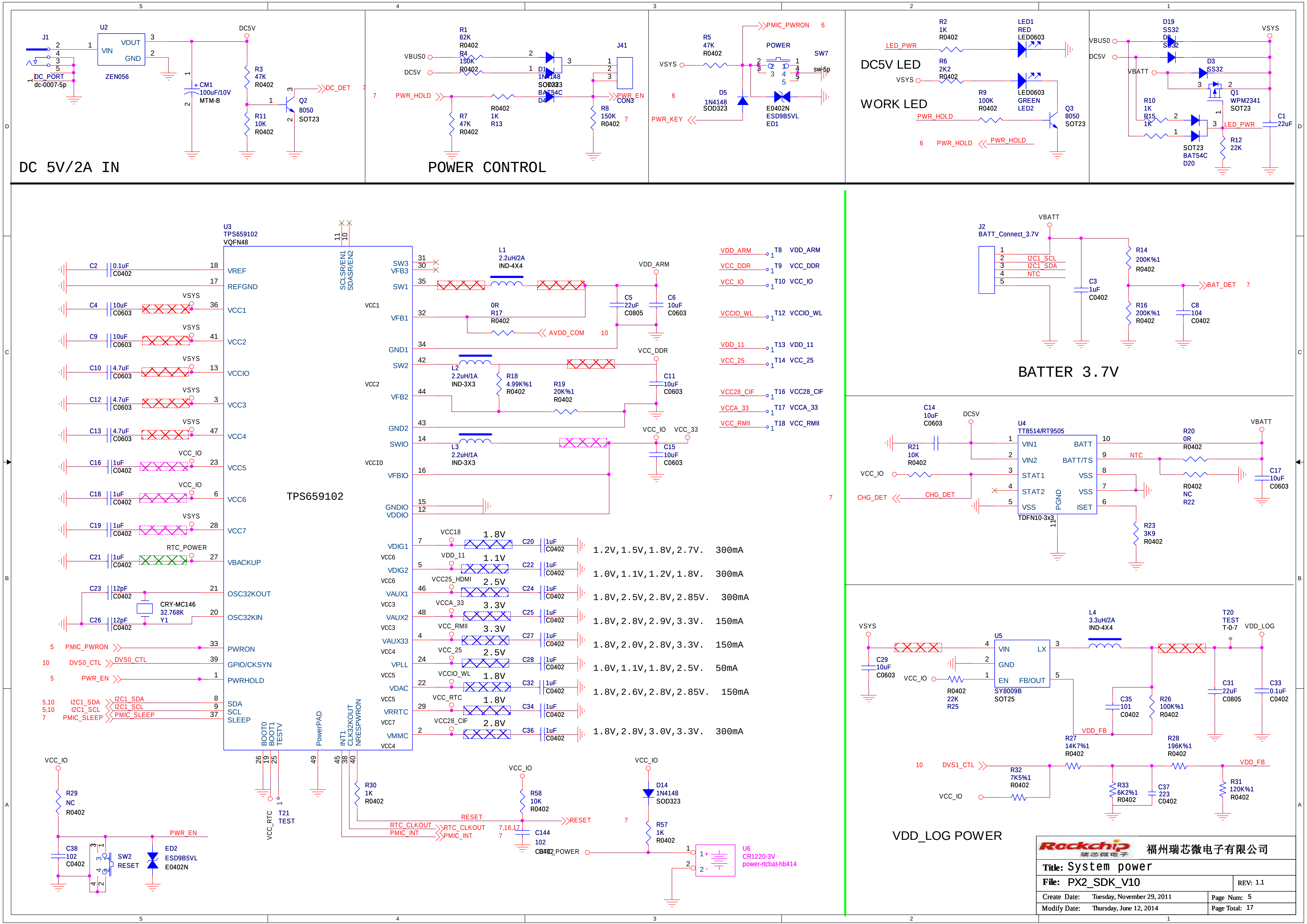
Modify Date: Thursday, June 12, 2014 Page Total: 17





POWER DIAGRAM

福州瑞芯微电子有限公司
Title: System power diagram
File: PX2_SDK_V10 REV: 1.1
Create Date: Wednesday, March 02, 2011 Page Num: 4
Modify Date: Thursday, June 12, 2014 Page Total: 17



福州瑞芯微电子有限公司

Title: System power

File: PX2_SDK_V10

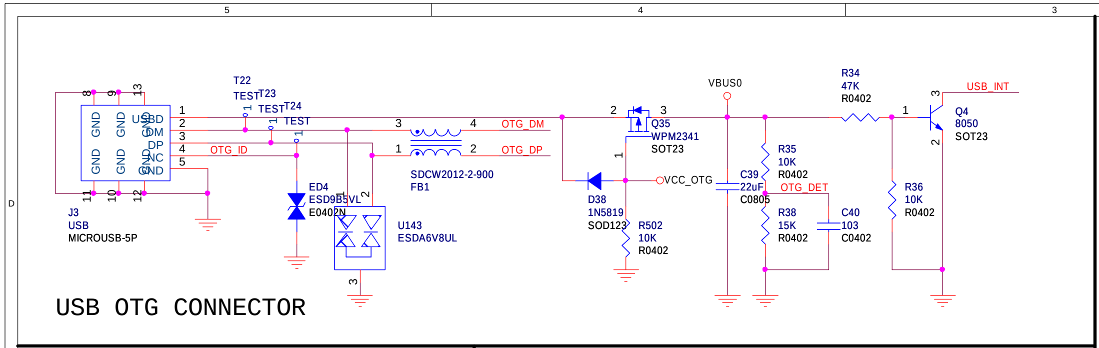
REV: 1.1

Create Date: Tuesday, November 29, 2011

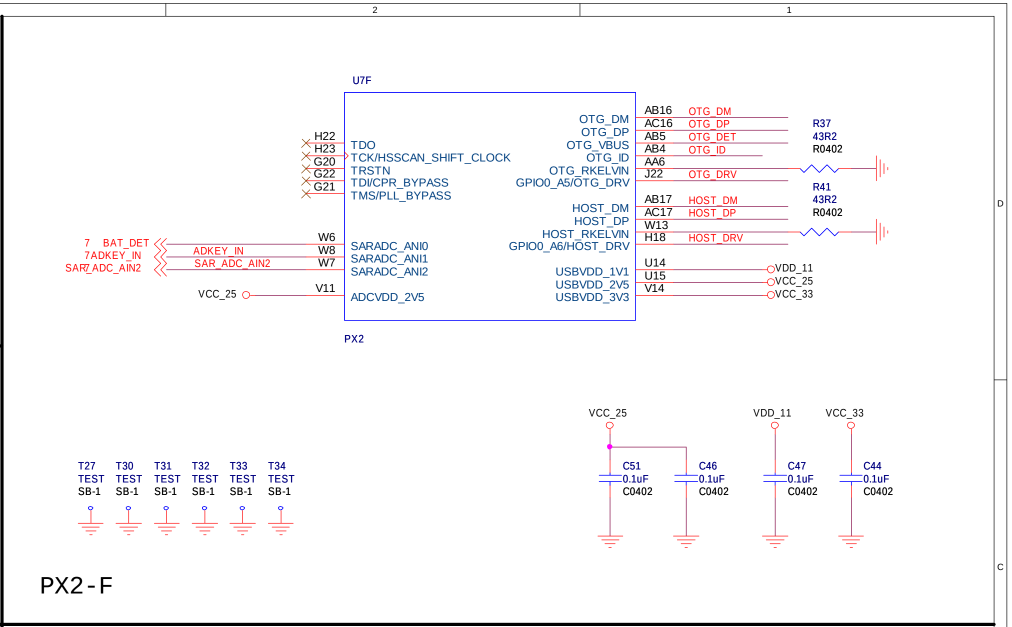
Modify Date: Thursday, June 12, 2014

Page Num: 5

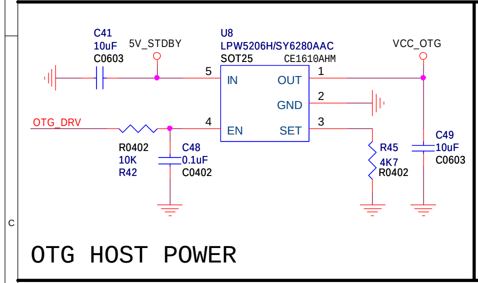
Page Total: 17



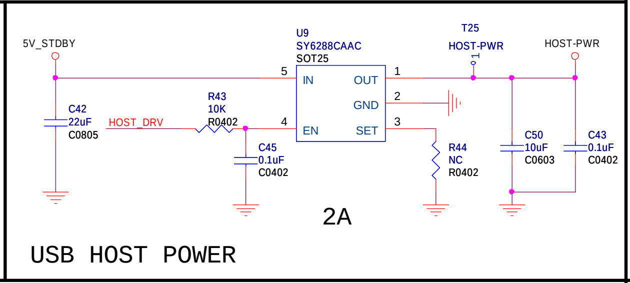
USB OTG CONNECTOR



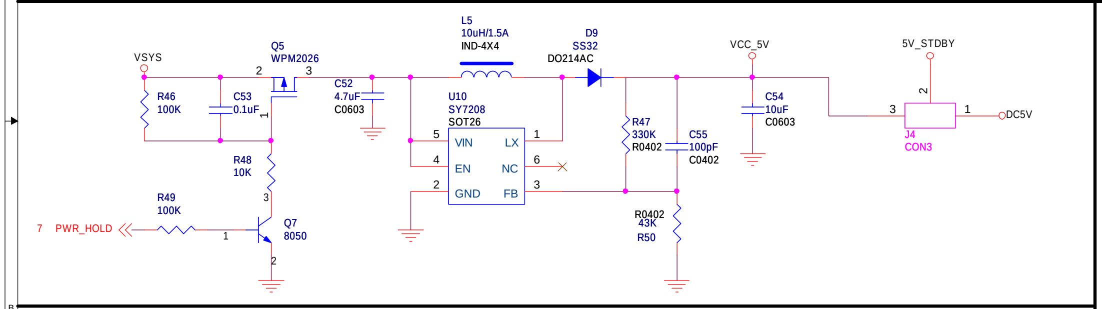
PX2-F

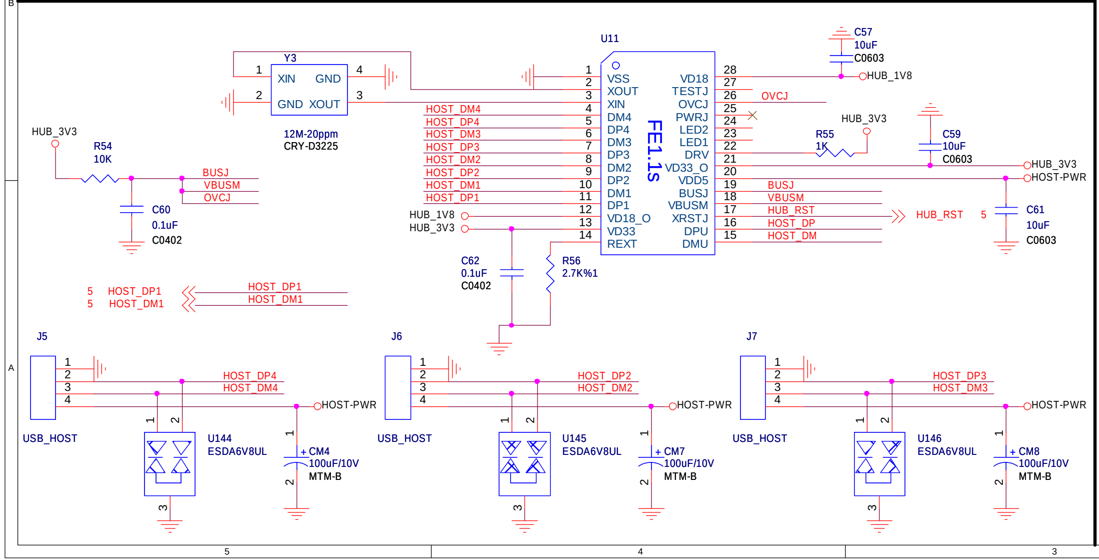


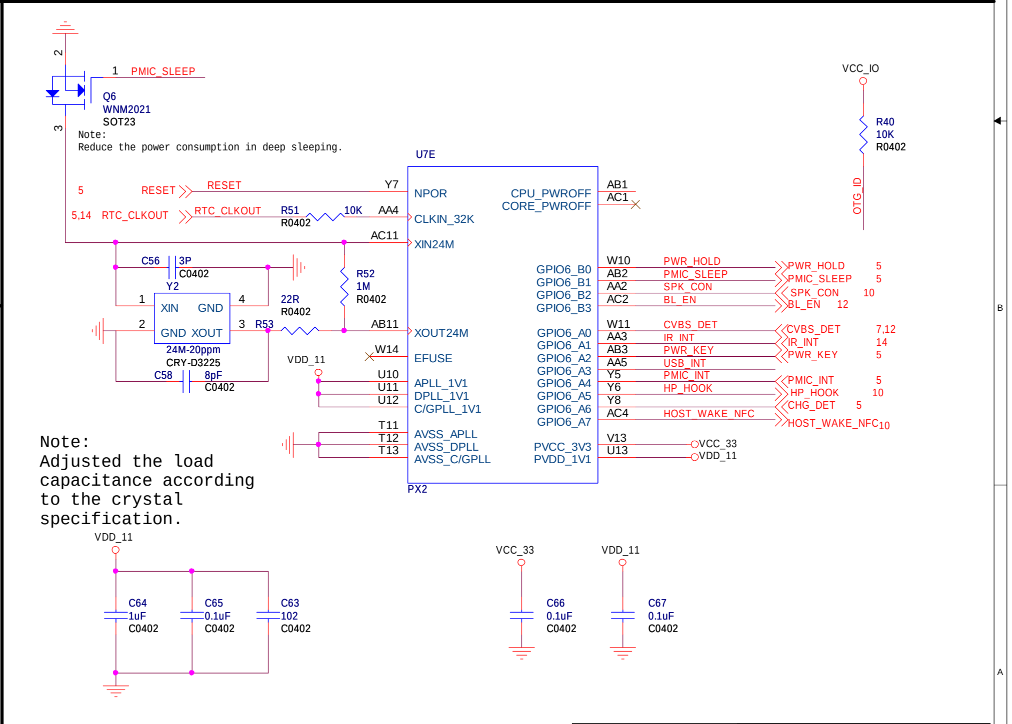
OTG HOST POWER



USB HOST POWER







Note:
Adjusted the load
capacitance according
to the crystal
specification.

PX2-E

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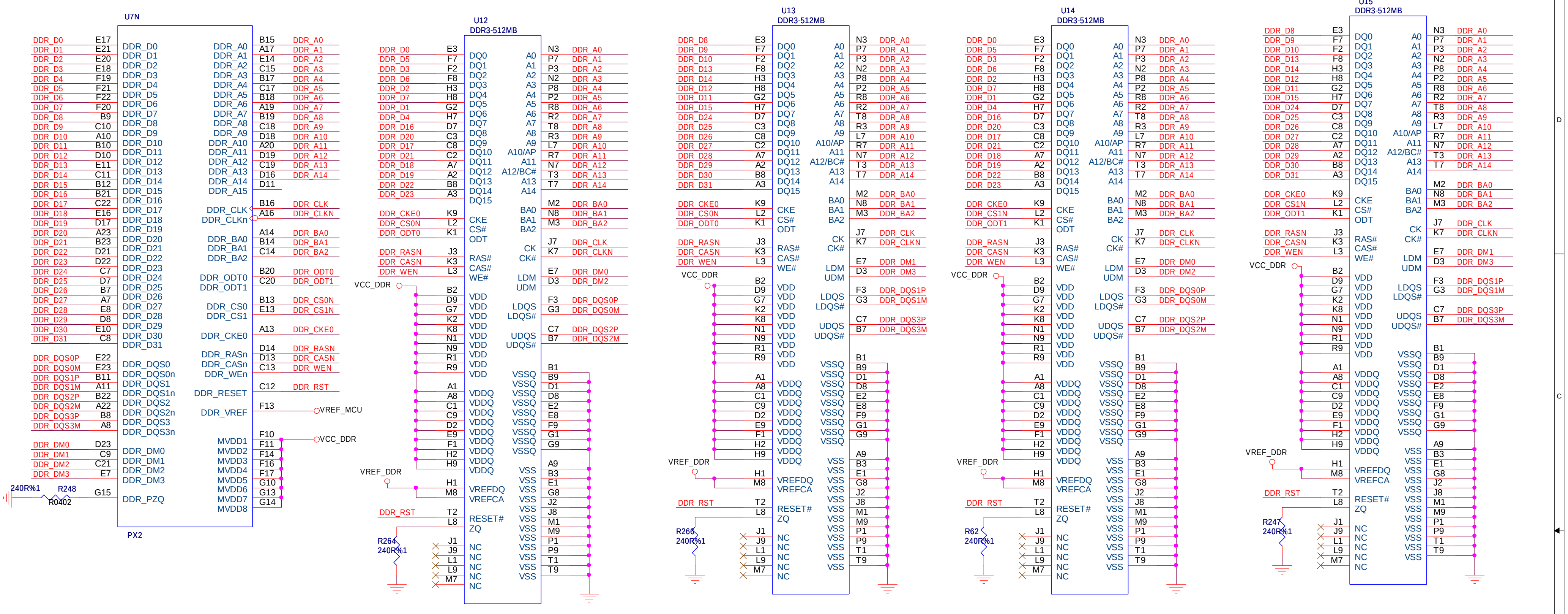
Title: USB OTG

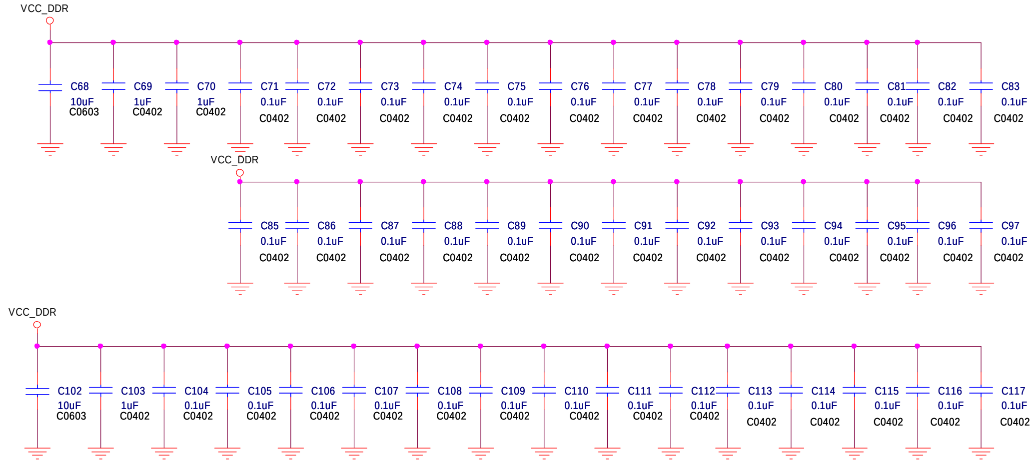
File: PX2_SDK_V10 **REV:** 1.1

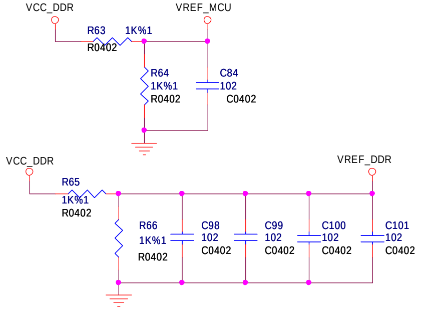
Create Date: Tuesday, November 29, 2011 Page Num: 6

Modify Date: Thursday, June 12, 2014 Page Total: 17



PX2-N



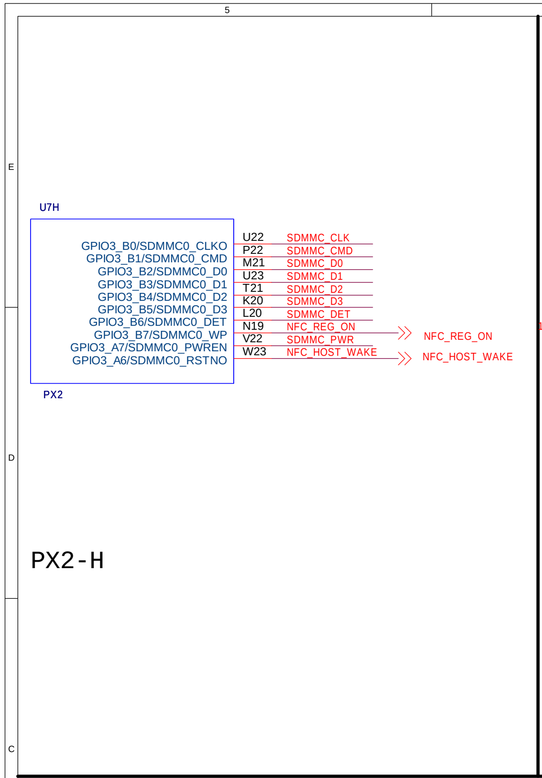


DDR FILTER

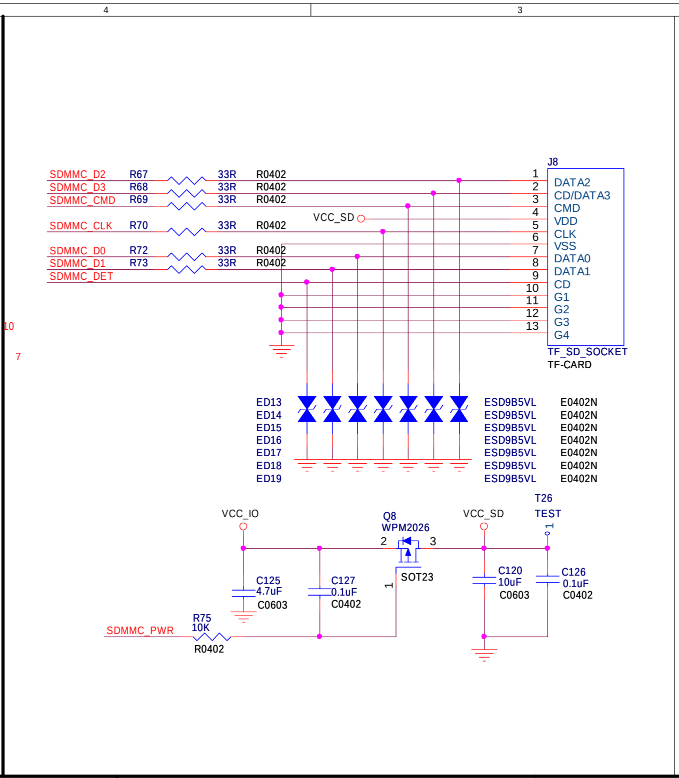
Rockchip 瑞芯微电子

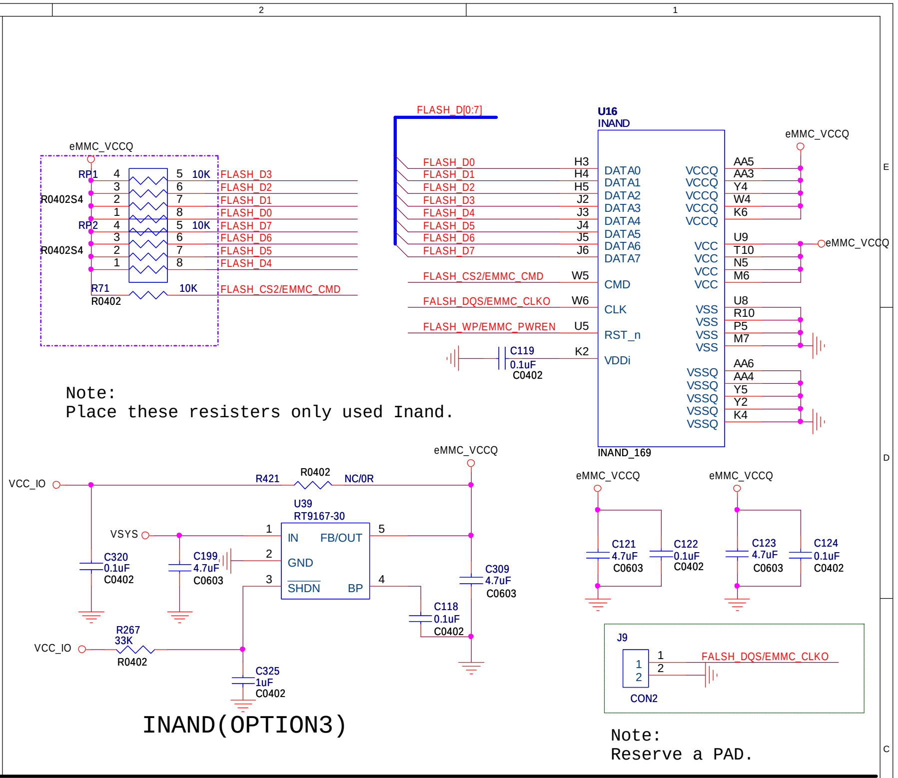
福州瑞芯微电子有限公司

Title: DDR3		
File: PX2_SDK_V10		REV: 1.1
Create Date: Tuesday, November 09, 2010		Page Num: 7
Modify Date: Thursday, June 12, 2014		Page Total: 17

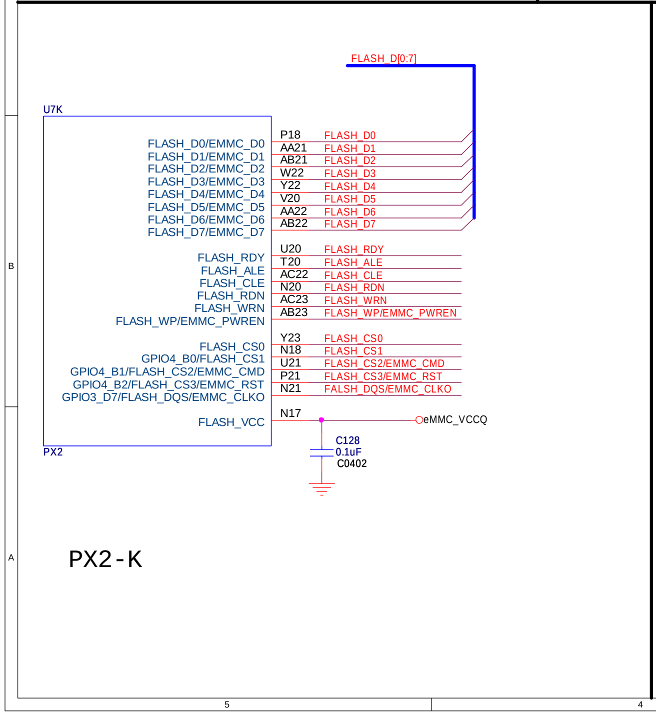


PX2-H

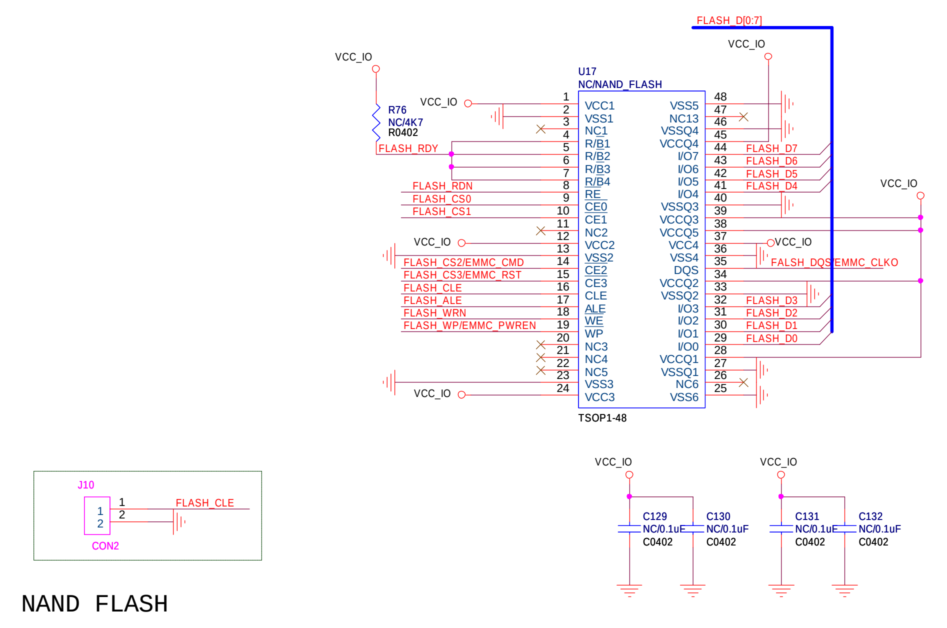




INAND(OPTION3)



PX2-K



NAND FLASH

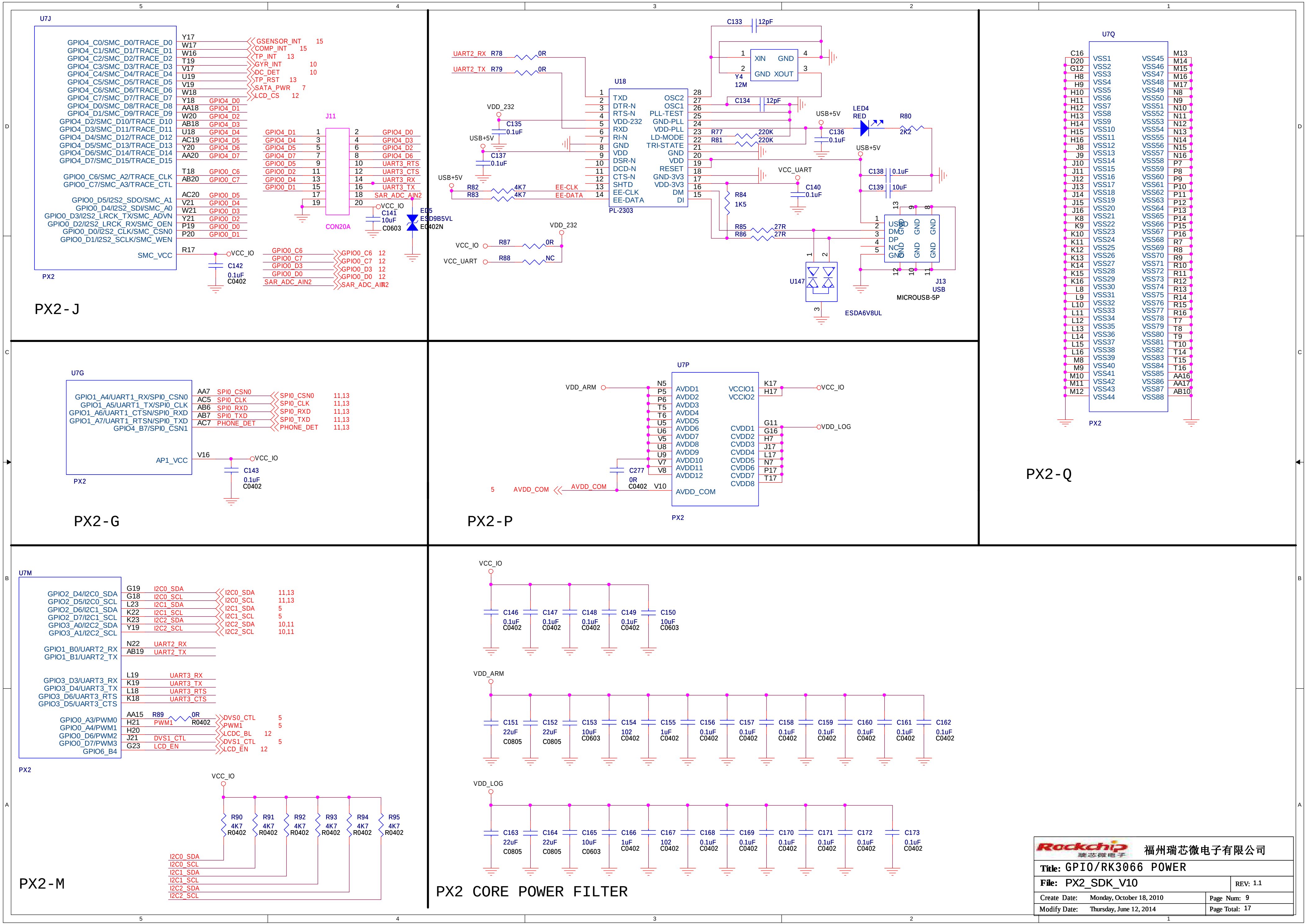
福州瑞芯微电子有限公司

Title: Nand Flash/SD

File: PX2_SDK_V10 REV: 1.1

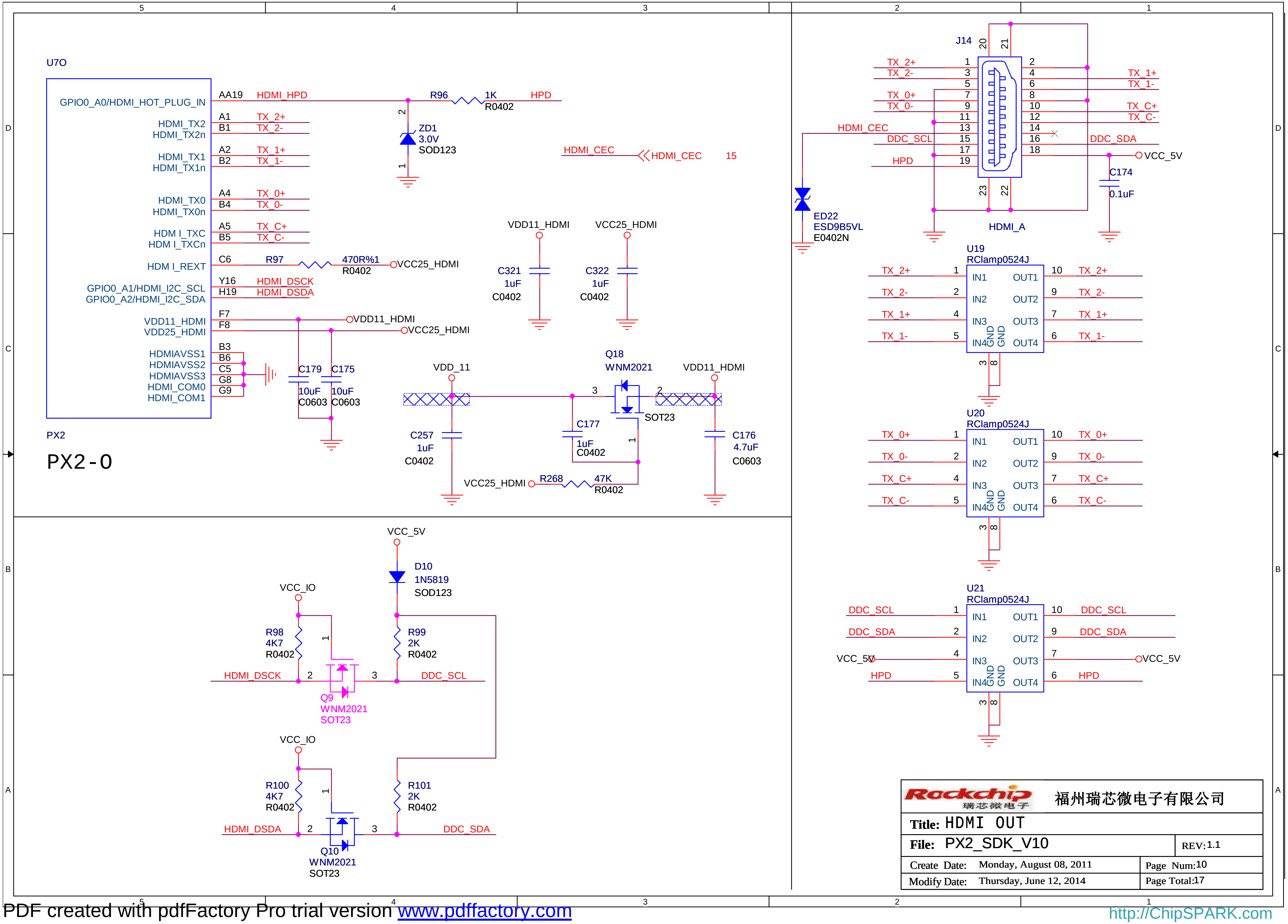
Create Date: Thursday, October 14, 2010 Page Num: 8

Modify Date: Thursday, June 12, 2014 Page Total: 17



Rockchip 瑞芯微电子 福州瑞芯微电子有限公司

Title: GPIO/RK3066 POWER			
File: PX2_SDK_V10		REV: 1.1	
Create Date:	Monday, October 18, 2010	Page Num:	9
Modify Date:	Thursday, June 12, 2014	Page Total:	17



Rockchip 瑞芯微电子

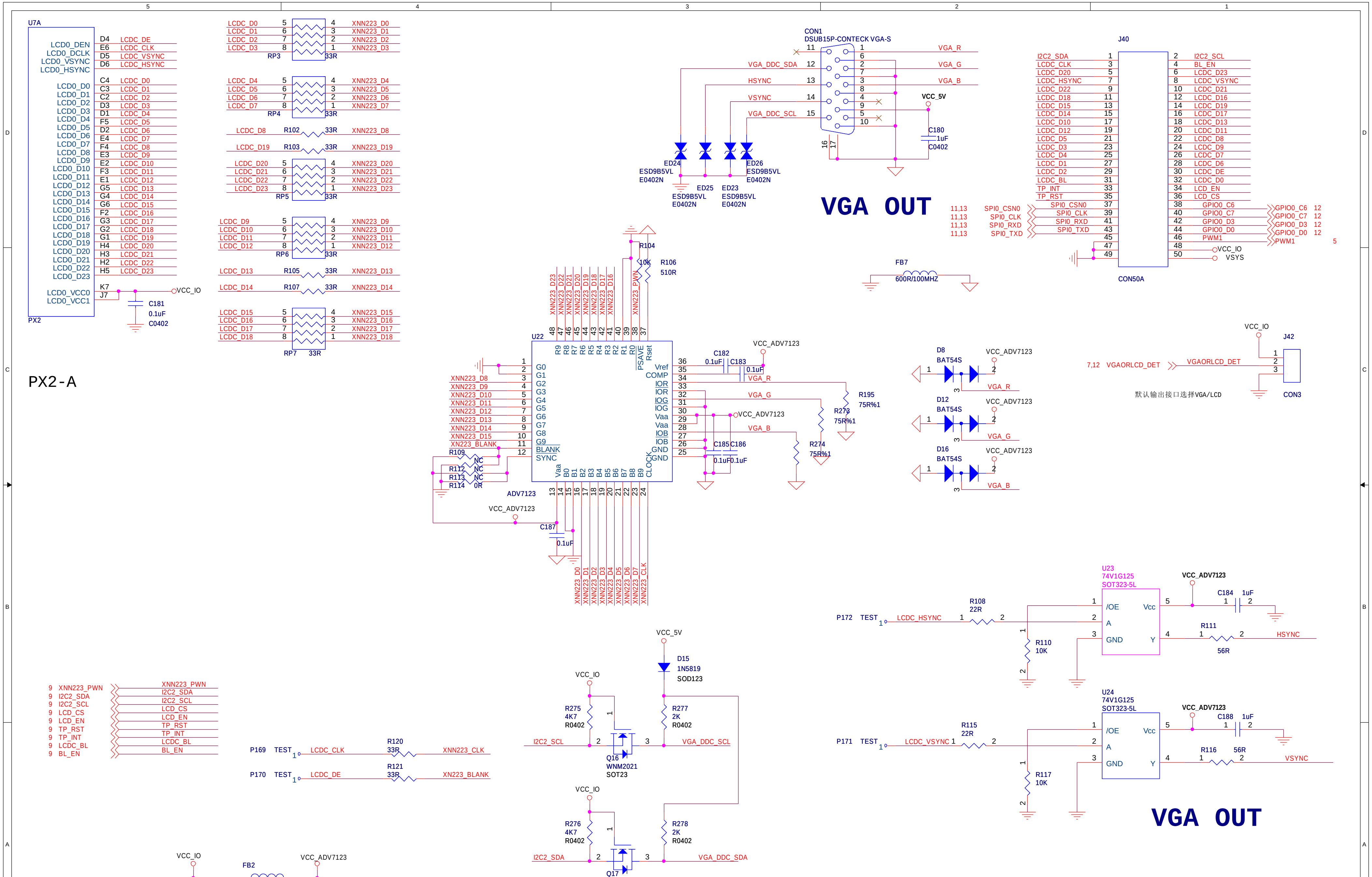
福州瑞芯微电子有限公司

Title: HDMI OUT

File: PX2_SDK_V10 **REV:** 1.1

Create Date: Monday, August 08, 2011 Page Num: 10

Modify Date: Thursday, June 12, 2014 Page Total: 17



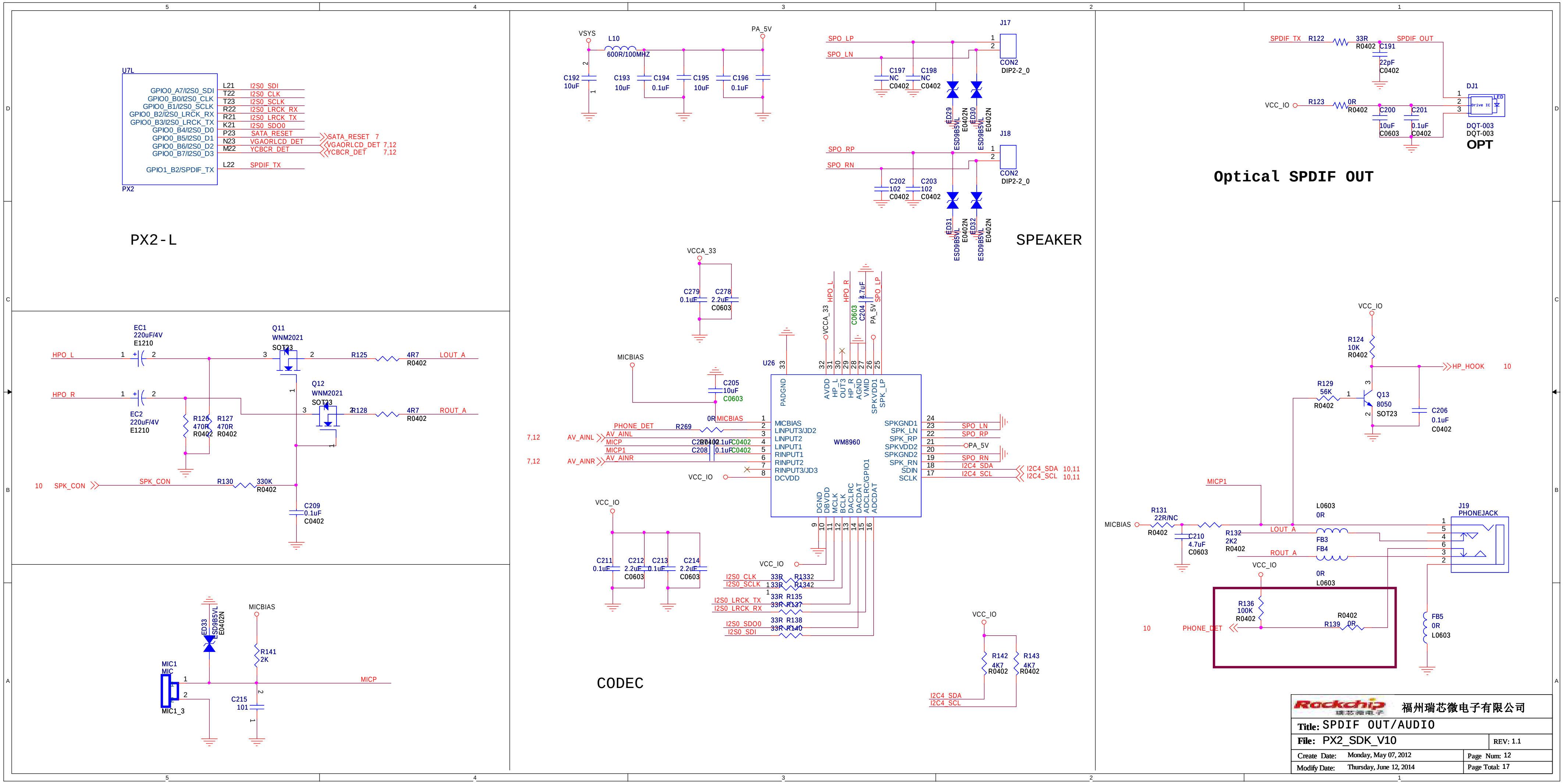
Rockchip 福州瑞芯微电子有限公司

Title: YPbPr/CVBS/VGA OUT

File: PX2_SDK_V10 REV: 1.1

Create Date: Friday, October 15, 2010 Page Num: 11

Modify Date: Thursday, June 12, 2014 Page Total: 17



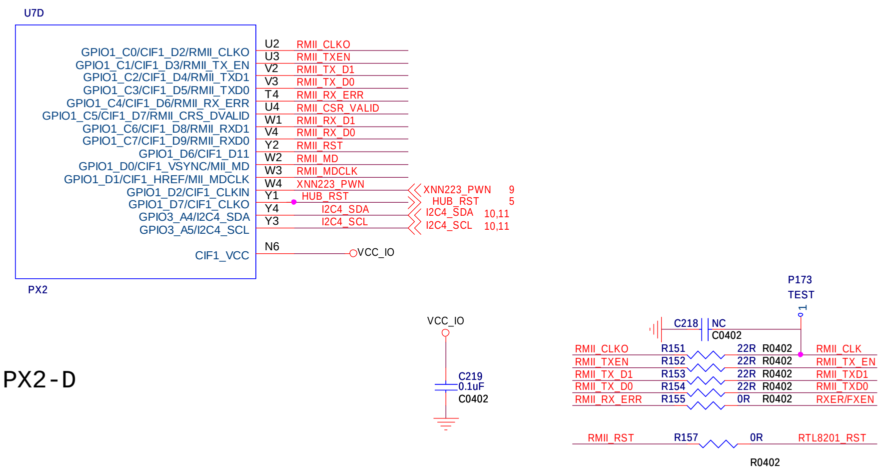
福州瑞芯微电子有限公司

Title: SPDIF OUT/AUDIO

File: PX2_SDK_V10 REV: 1.1

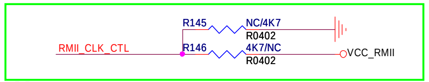
Create Date: Monday, May 07, 2012 Page Num: 12

Modify Date: Thursday, June 12, 2014 Page Total: 17



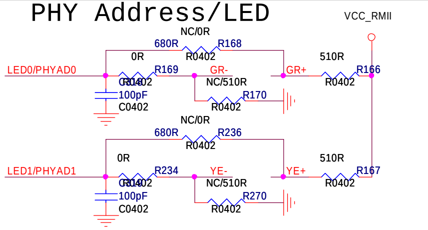
PX2-D

RMII REF_CLK direction

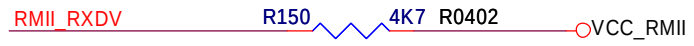


Pull Low for RMII REF_CLK Output mode
Pull High for RMII REF_CLK Input mode(default)

PHY Address/LED

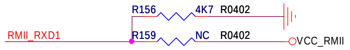


MII/RMII Selection



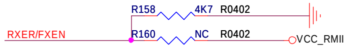
Pull High for RMII mode(default)

WOL/LED0 Selection



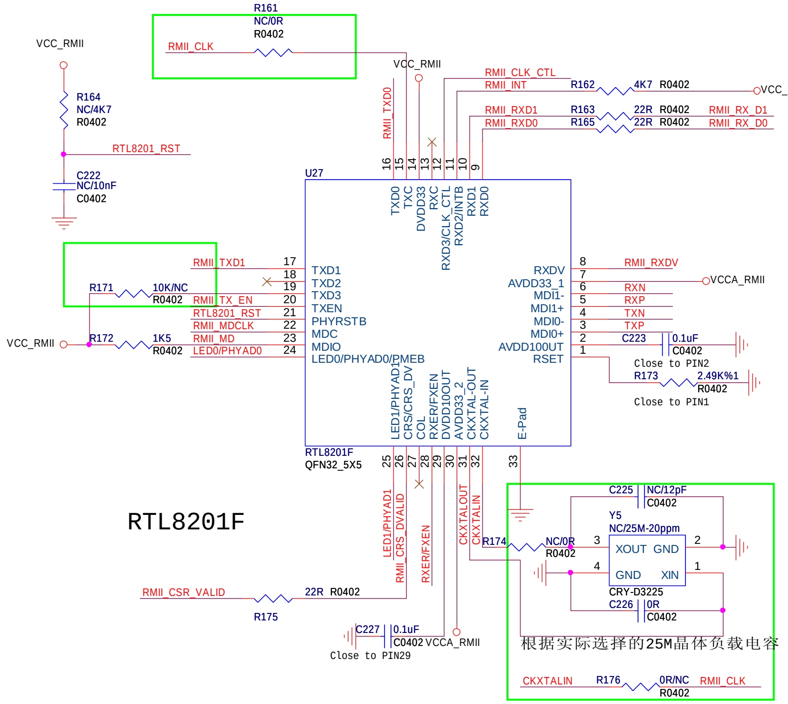
Pull Low for LED0 Mode(default)
Pull High for WOL Mode
WOL:Wake-on-LAN

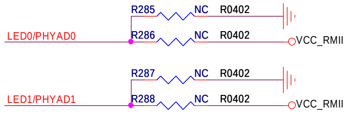
UTP / Fiber Selection

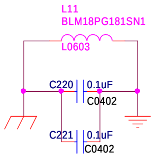


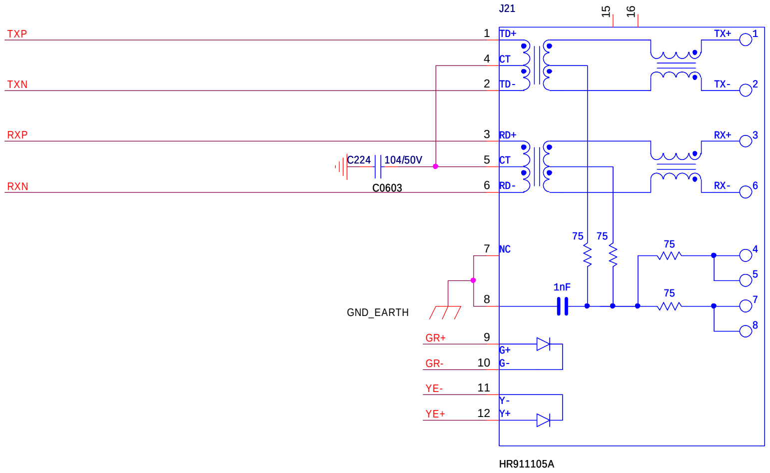
Pull Low for UTP Mode(default)
Pull High for Fiber Mode

RTL8201F

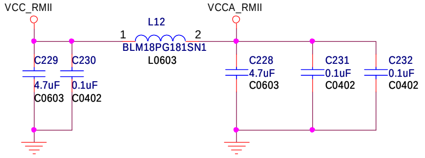








RTL8201F POWER



福州瑞芯微电子有限公司
Title: .RMII_Ethernet
File: PX2_SDK_V10
REV: 1.1
Create Date: Friday, October 15, 2010
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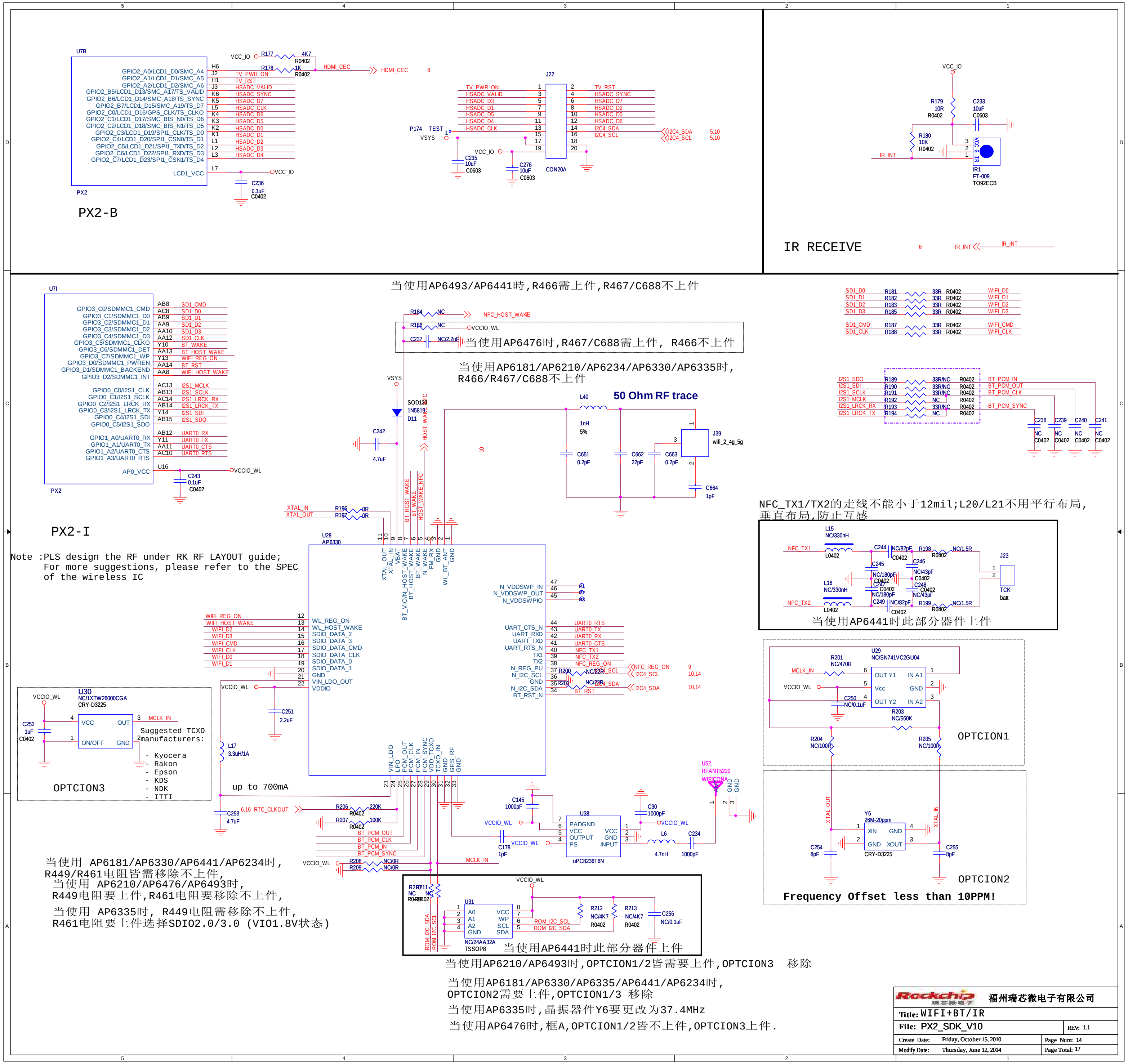
Page Total: 17



当使用AP6493/AP6441時,R466需上件,R467/C688不上件

当使用AP6476时,R467/C688需上件, R466不上件

当使用AP6181/AP6210/AP6234/AP6330/AP6335时,
R466/R467/C688不上件

NFC_TX1/TX2的走线不能小于12mil;L20/L21不用平行布局,
垂直布局,防止互感

当使用AP6441时此部分器件上件

Note :PLS design the RF under RK RF LAYOUT guide;
For more suggestions, please refer to the SPEC
of the wireless IC

Suggested TCXO
manufacturers:
- Kyocera
- Rakon
- Epson
- KDS
- NDK
- ITTI

当使用 AP6181/AP6330/AP6441/AP6234时,
R449/R461电阻皆需移除不上件,
当使用 AP6210/AP6476/AP6493时,
R449电阻要上件,R461电阻要移除不上件,
当使用 AP6335时, R449电阻需移除不上件,
R461电阻要上件选择SDIO2.0/3.0 (VIO1.8V状态)

当使用AP6441时此部分器件上件

Frequency Offset less than 10PPM!

当使用AP6210/AP6493时,OPTCION1/2皆需要上件,OPTCION3 移除

当使用AP6181/AP6330/AP6335/AP6441/AP6234时,
OPTCION2需要上件,OPTCION1/3 移除
当使用AP6335时,晶振器件Y6要更改为37.4MHz
当使用AP6476时,框A,OPTCION1/2皆不上件,OPTCION3上件.

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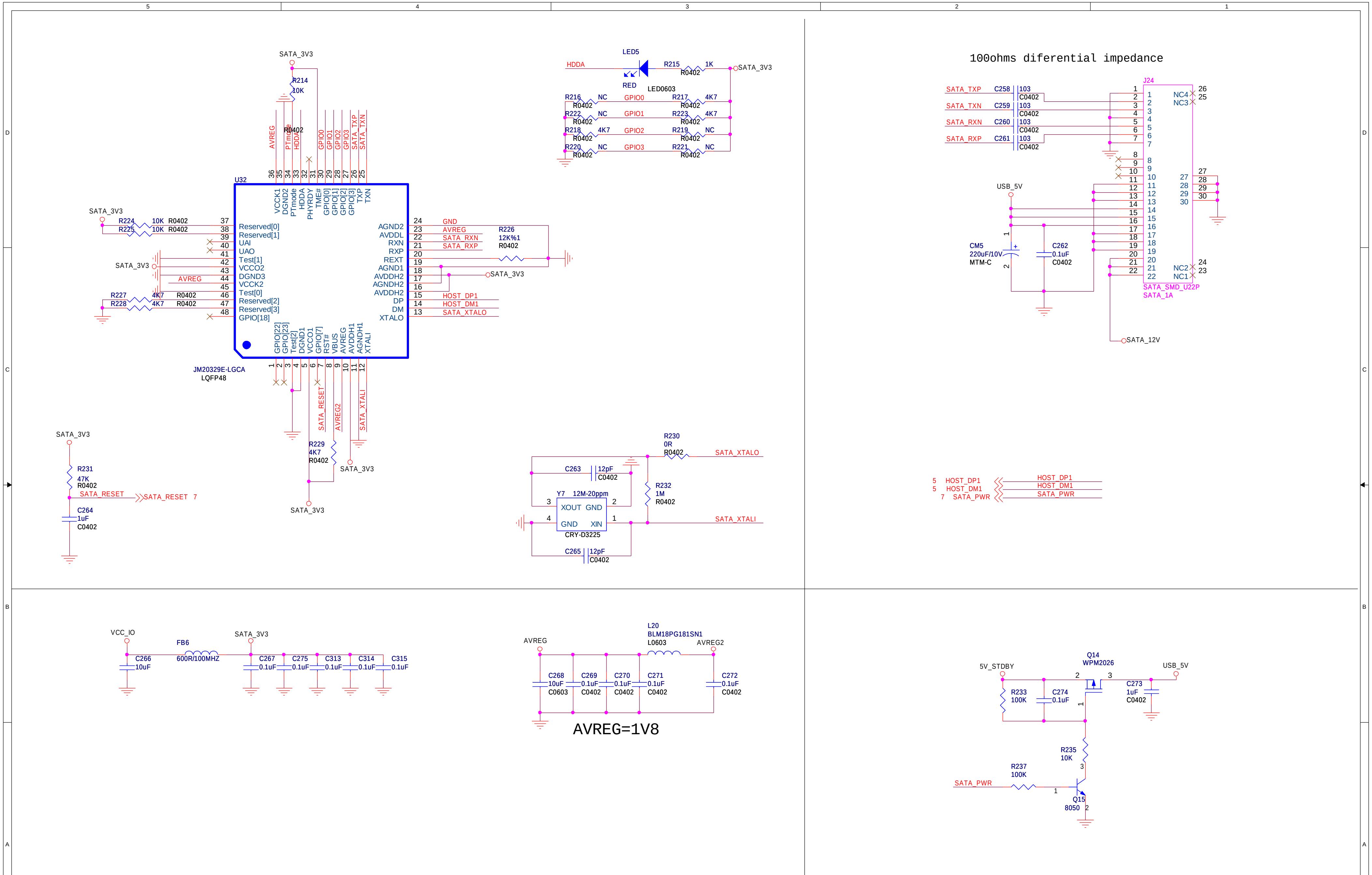
Title: WIFI+BT/IR
File: PX2_SDK_V10
REV: 1.1
Create Date: Friday, October 15, 2010
Modify Date: Thursday, June 12, 2014
Page Num: 14
Page Total: 17



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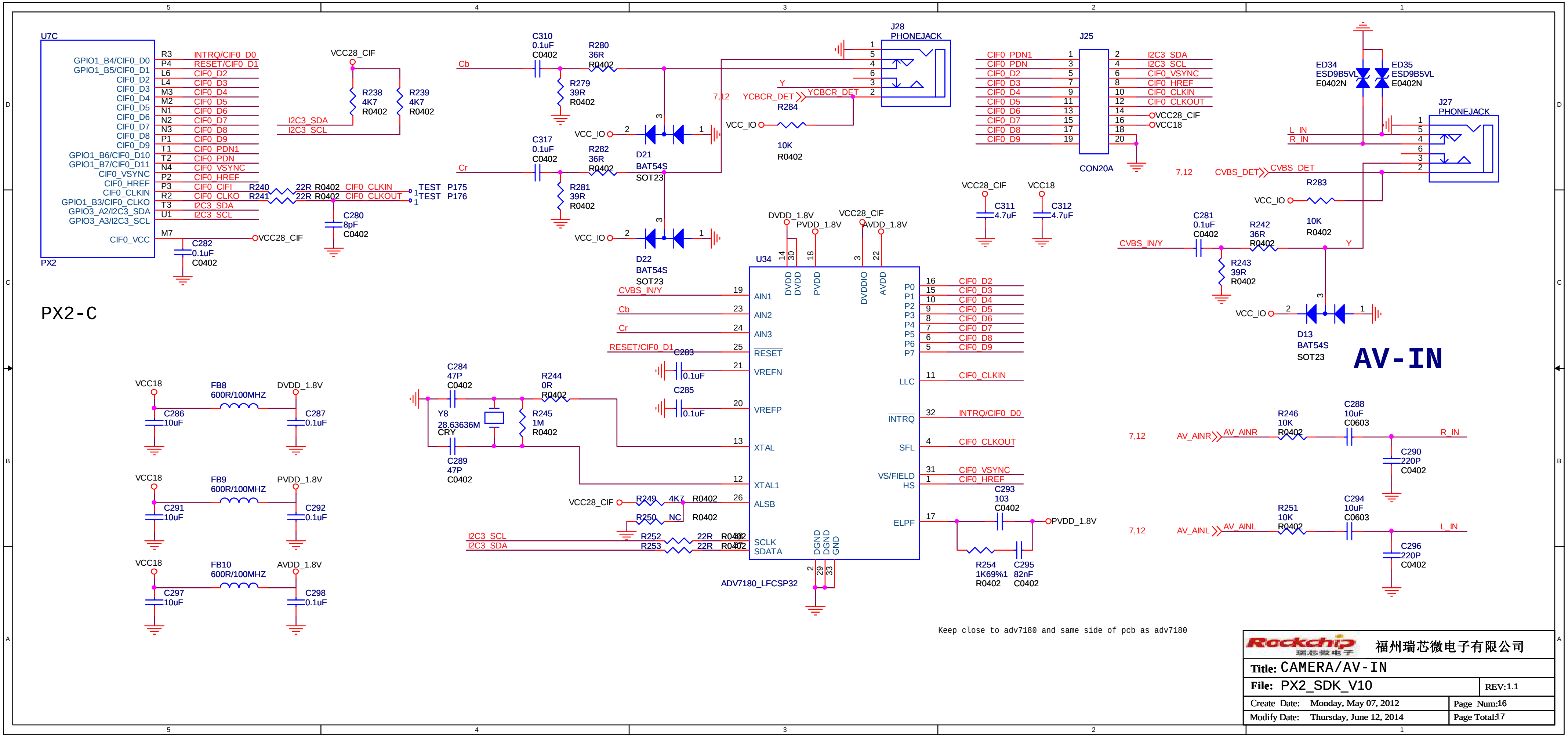
Title: SATA			
File: PX2_SDK_V10		REV: 1.1	
Create Date:	Monday, May 07, 2012	Page Num:	15
Modify Date:	Thursday, June 12, 2014	Page Total:	17



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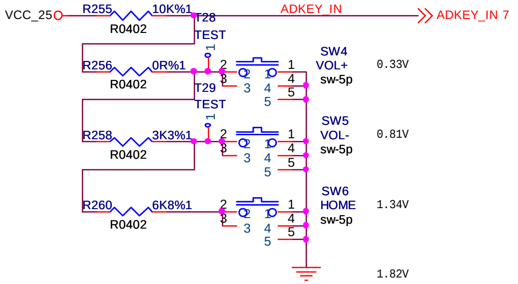
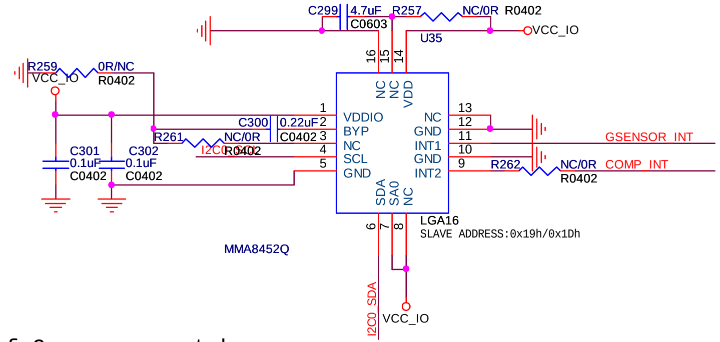
Title: CAMERA/AV-IN
File: PX2_SDK_V10 REV:1.1
Create Date: Monday, May 07, 2012 Page Num:16
Modify Date: Thursday, June 12, 2014 Page Total:17



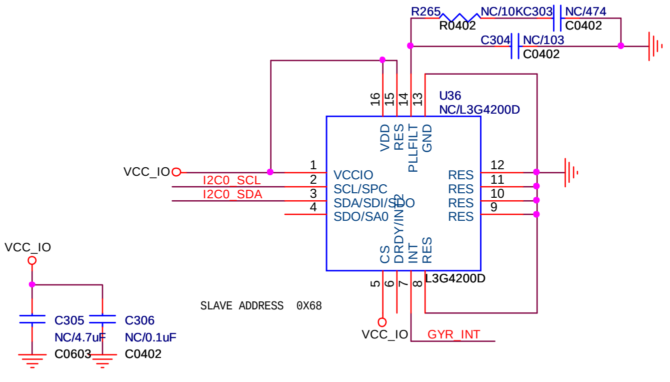
KEY BAORD

	LIS3DH/ MMA8452Q	LSM303D	KXTIK-1013
C303	NC	4.7uF	NC
R190	0ohm	NC	NC
R192	0ohm	NC	NC
C265	0.1uF	2.2uF	NC
U34	AK8963C	NC	NC
		R196 0R	
		R194 0R	

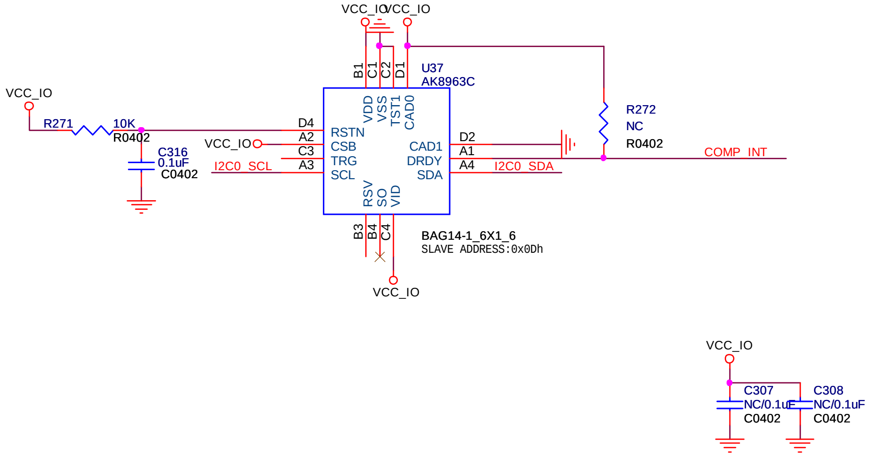


Note:
The first pin of G-sensor must be
place on the lower left corner of PCB.

3D G-Sensor



Gyroscope



Compass

Title
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Size B
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Rev <RevCode:

Date: Thursday, June 12, 2014
Sheet 17 of 17