

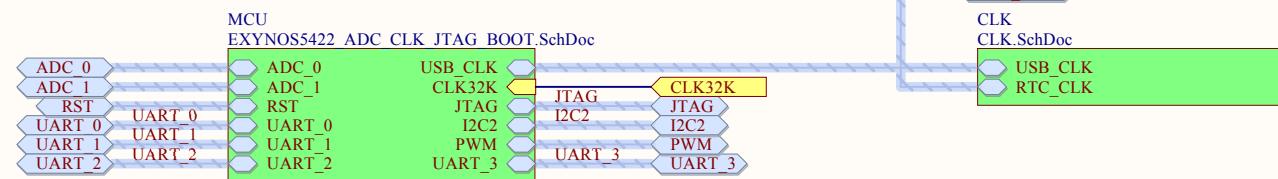
Mounting Holes

 MOUNTING HOLE 3MM
MH3

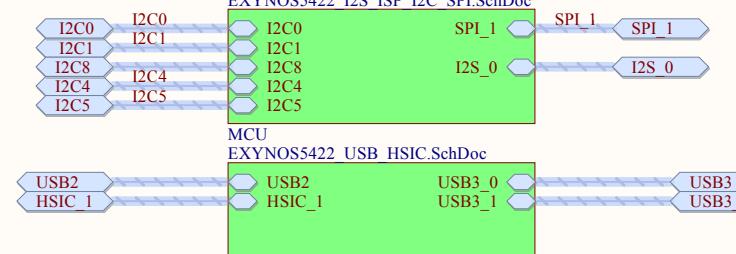
MOUNTING HOLE 3MM
MH4

Heat Sink

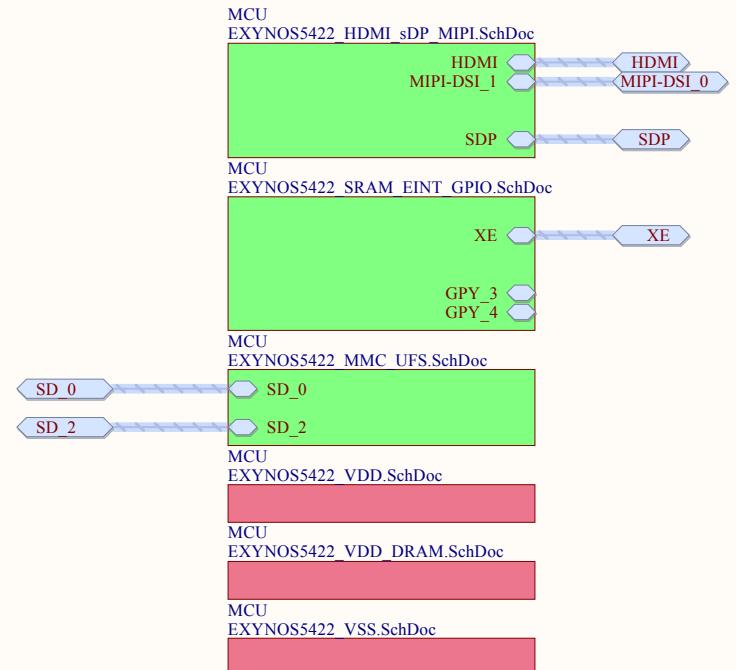
A



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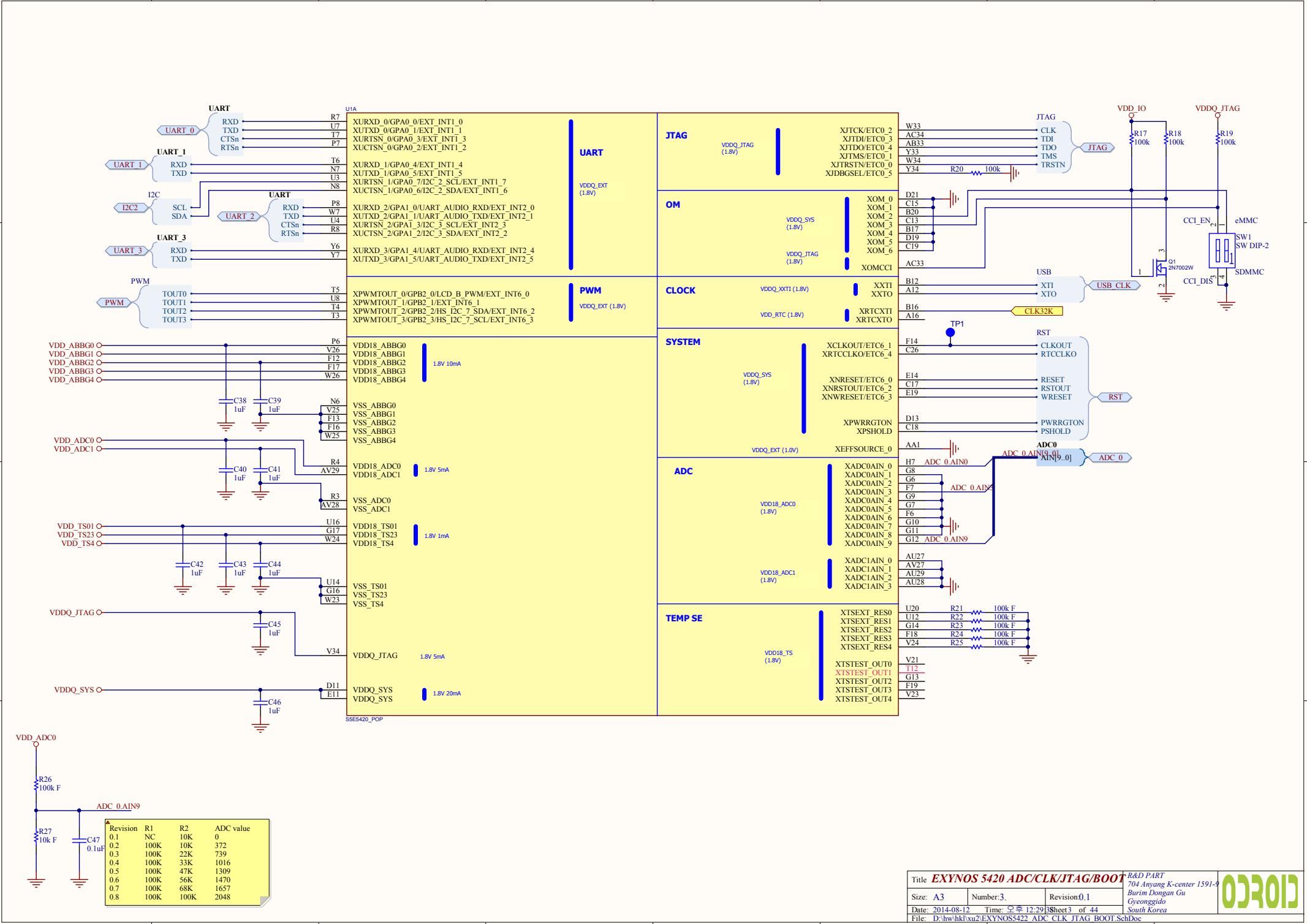
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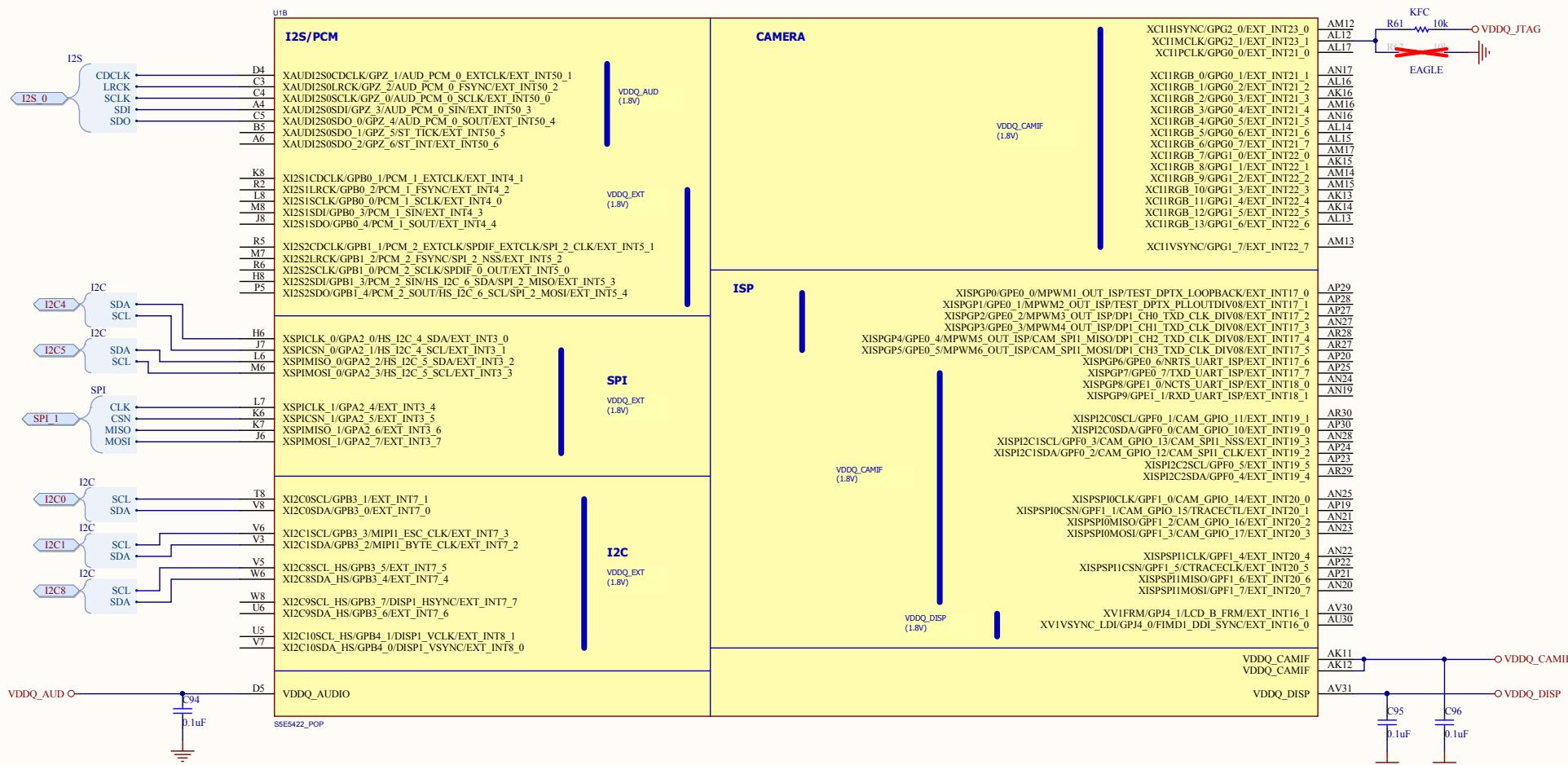


D

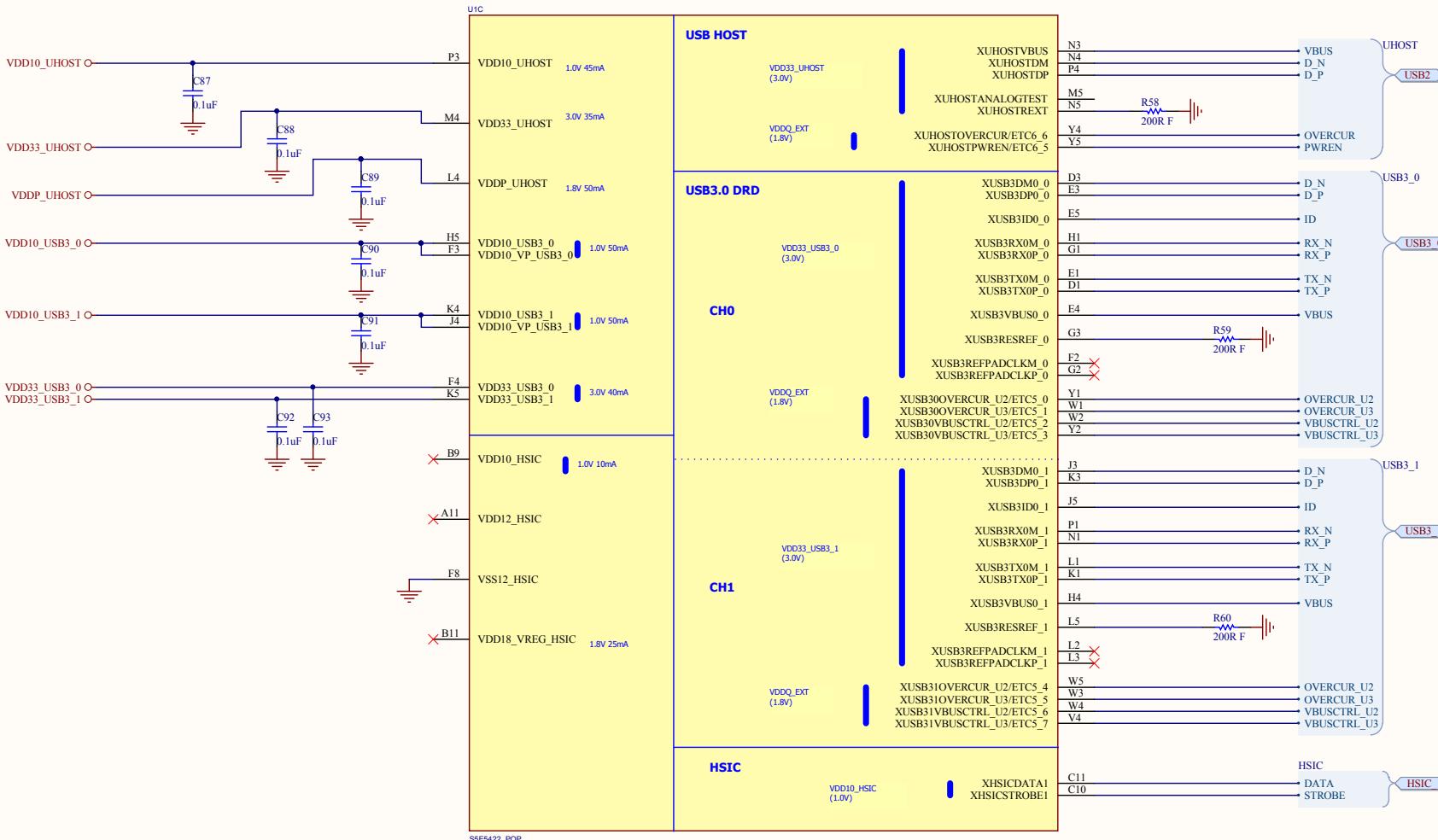
Title MCU EXYNOS 5422			R&D PART 704 Anyang K-center 248-25 Dongan Gu, Anyang City Gyeonggido South Korea
Size: A4	Number: 2.	Revision: 0.2	
Date: 2014-08-12	Time: 오후 12:29	38sheet2 of 44	
File: D:\hw\hkl\xu2\MCU_EXYNOS5422.SchDoc			

ODROID



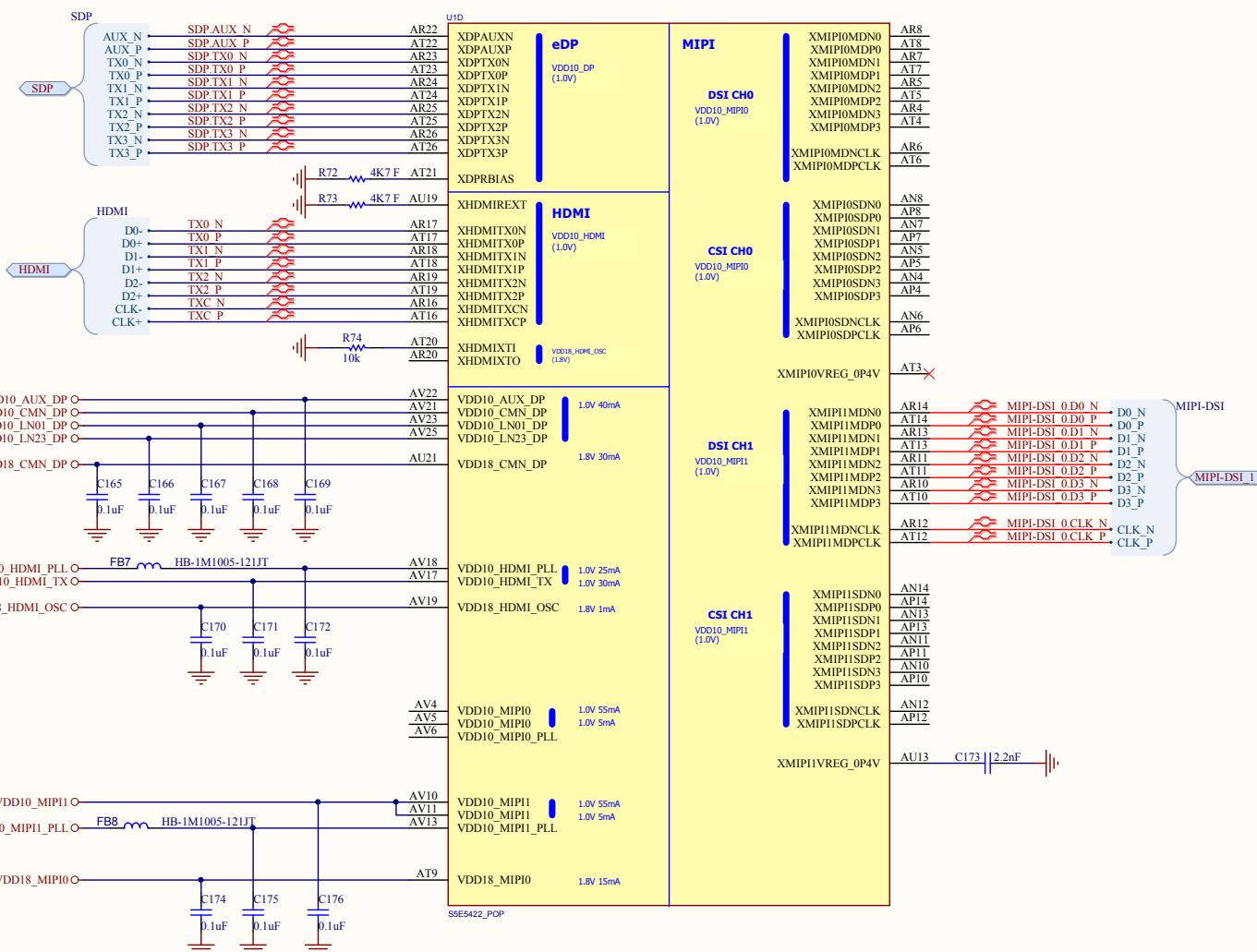


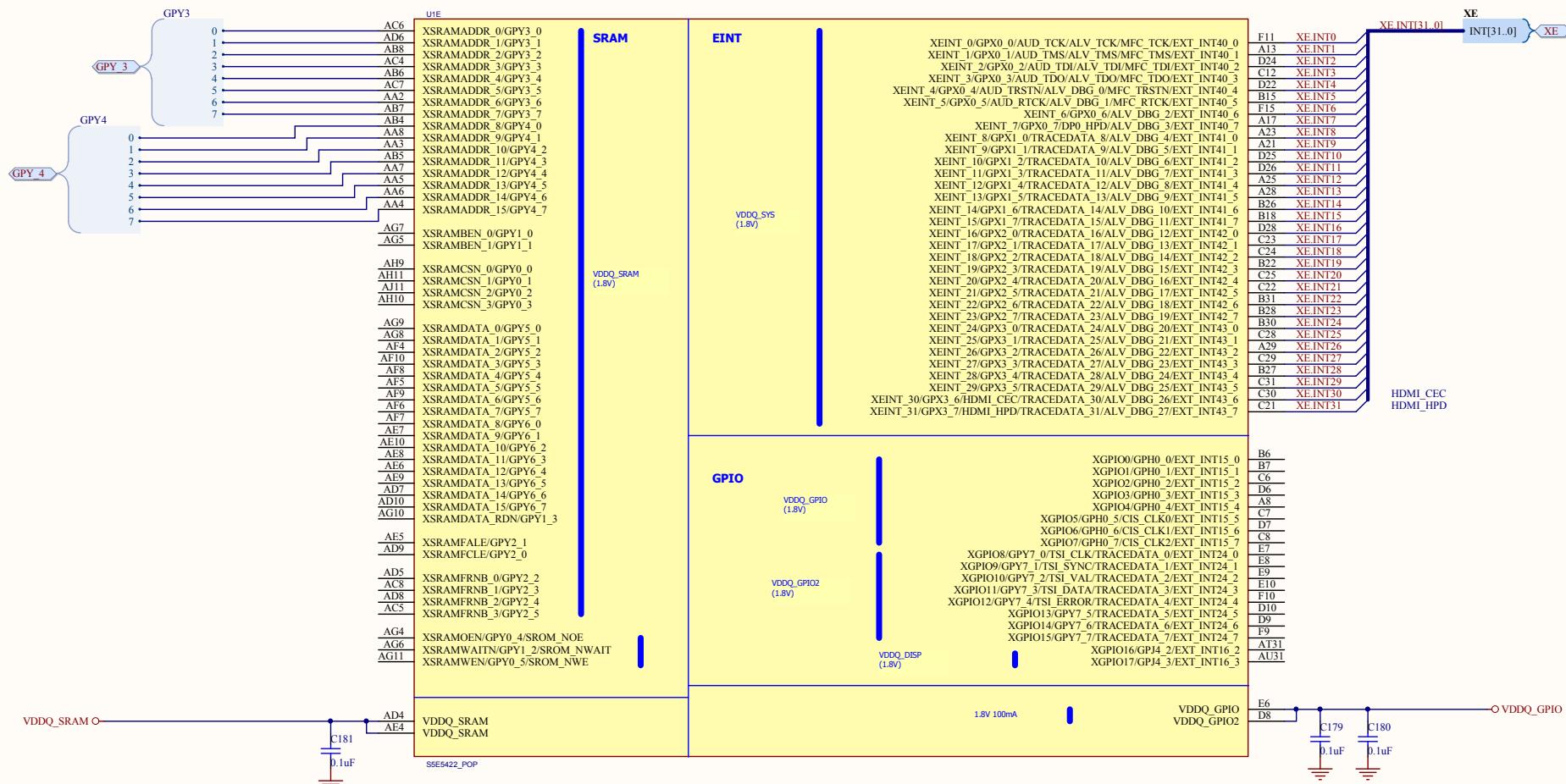
A

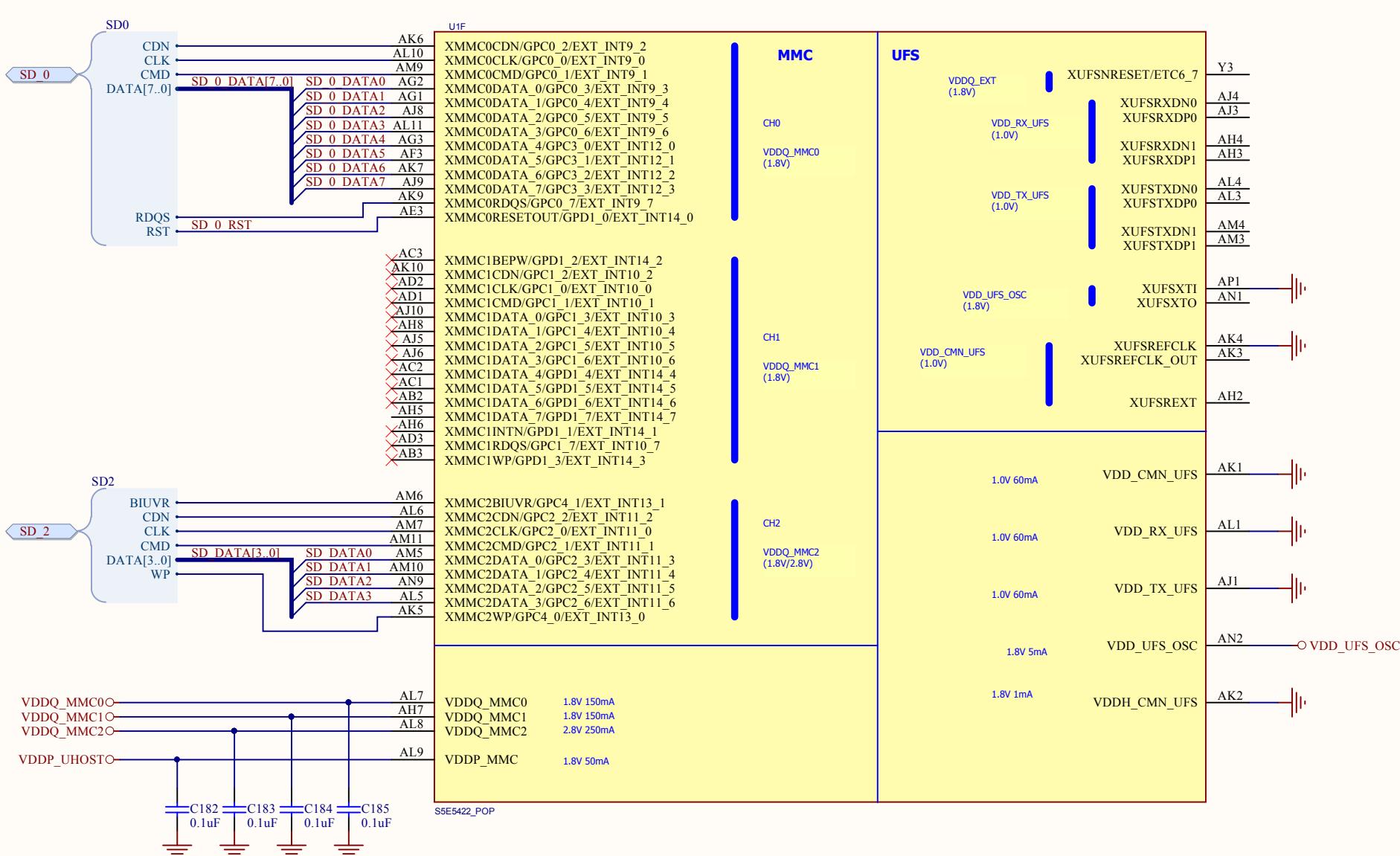


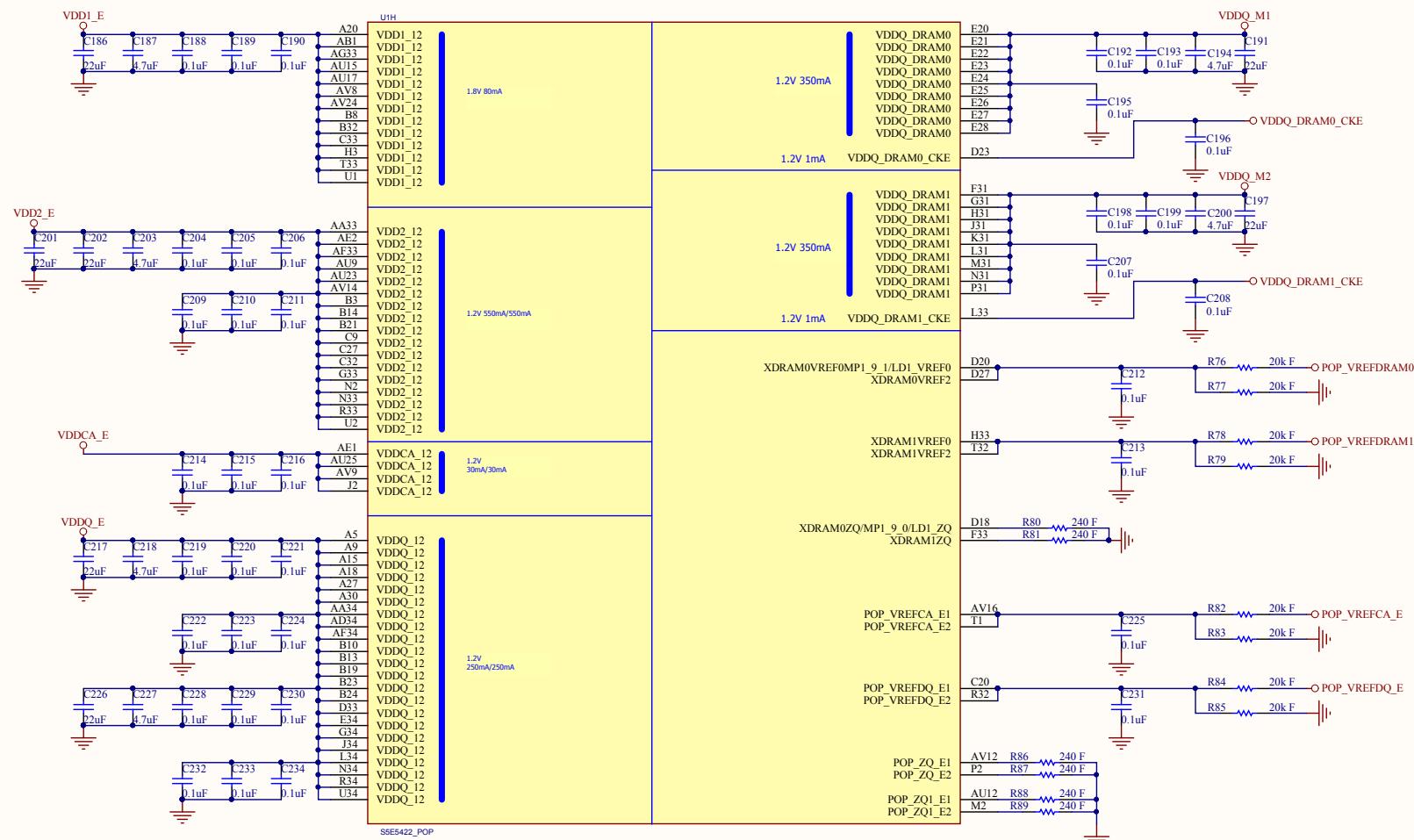
Title EXYNOS 5422 USB/HSIC		
R&D PART 704 Anyang K-center 1591-9	Burim Dongan Gu	
Size: A3	Number: 5.	Revision: 0.2
Date: 2014-08-12	Time: 오후 12:29	Sheet 5 of 44
File: D:\hw\hkl\xu2\EXYNOS5422_USB_HSIC.SchDoc		

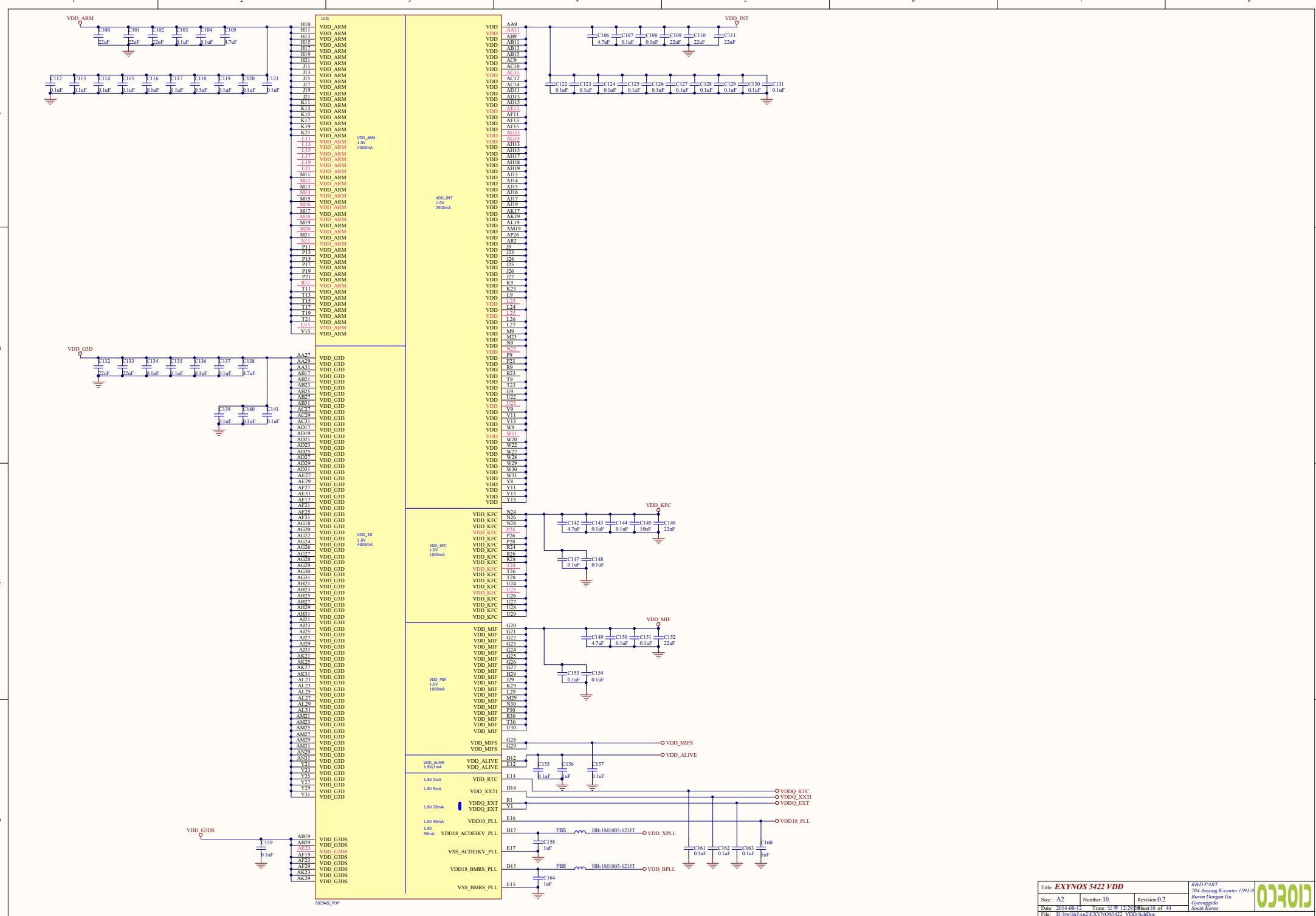
ODROID

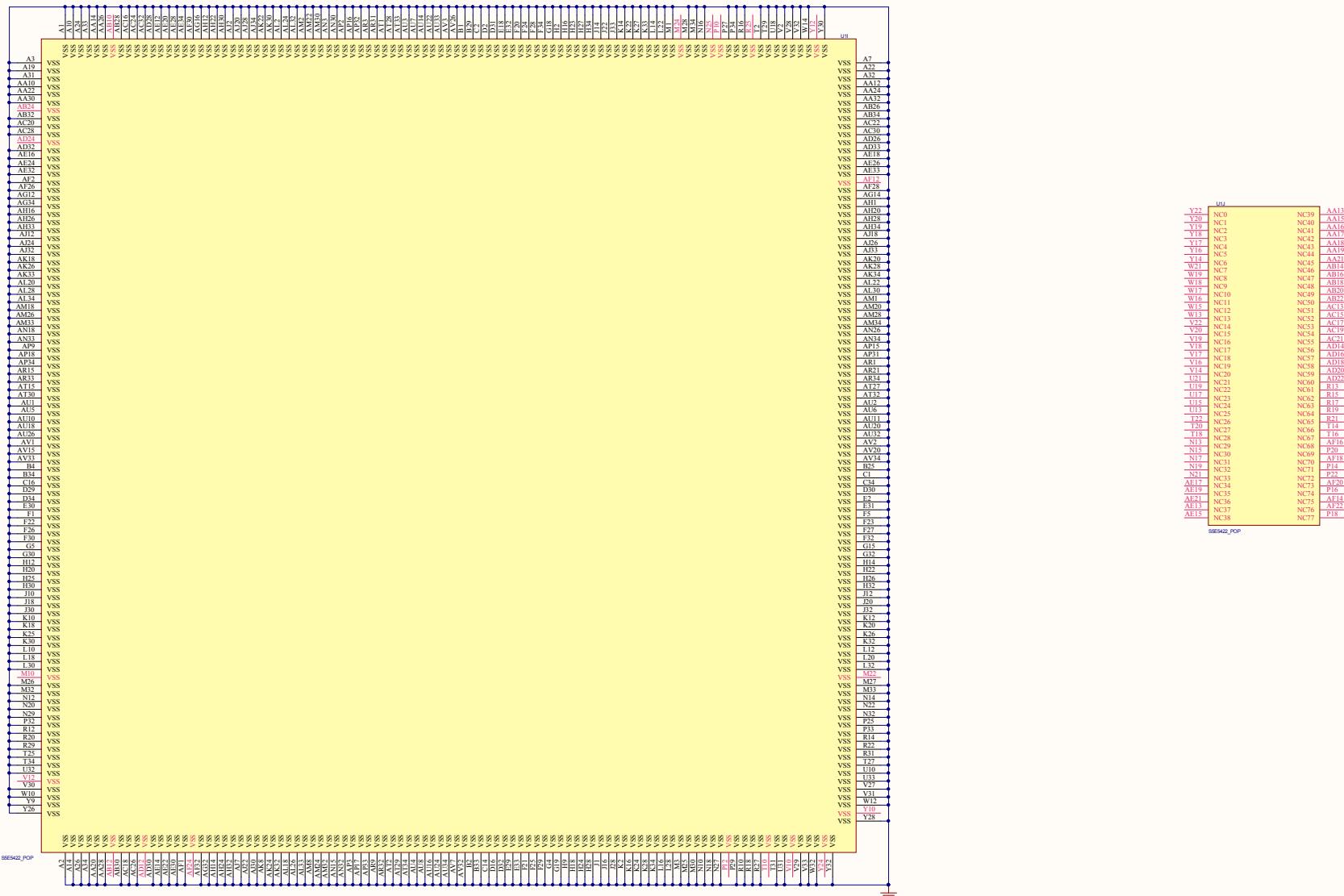






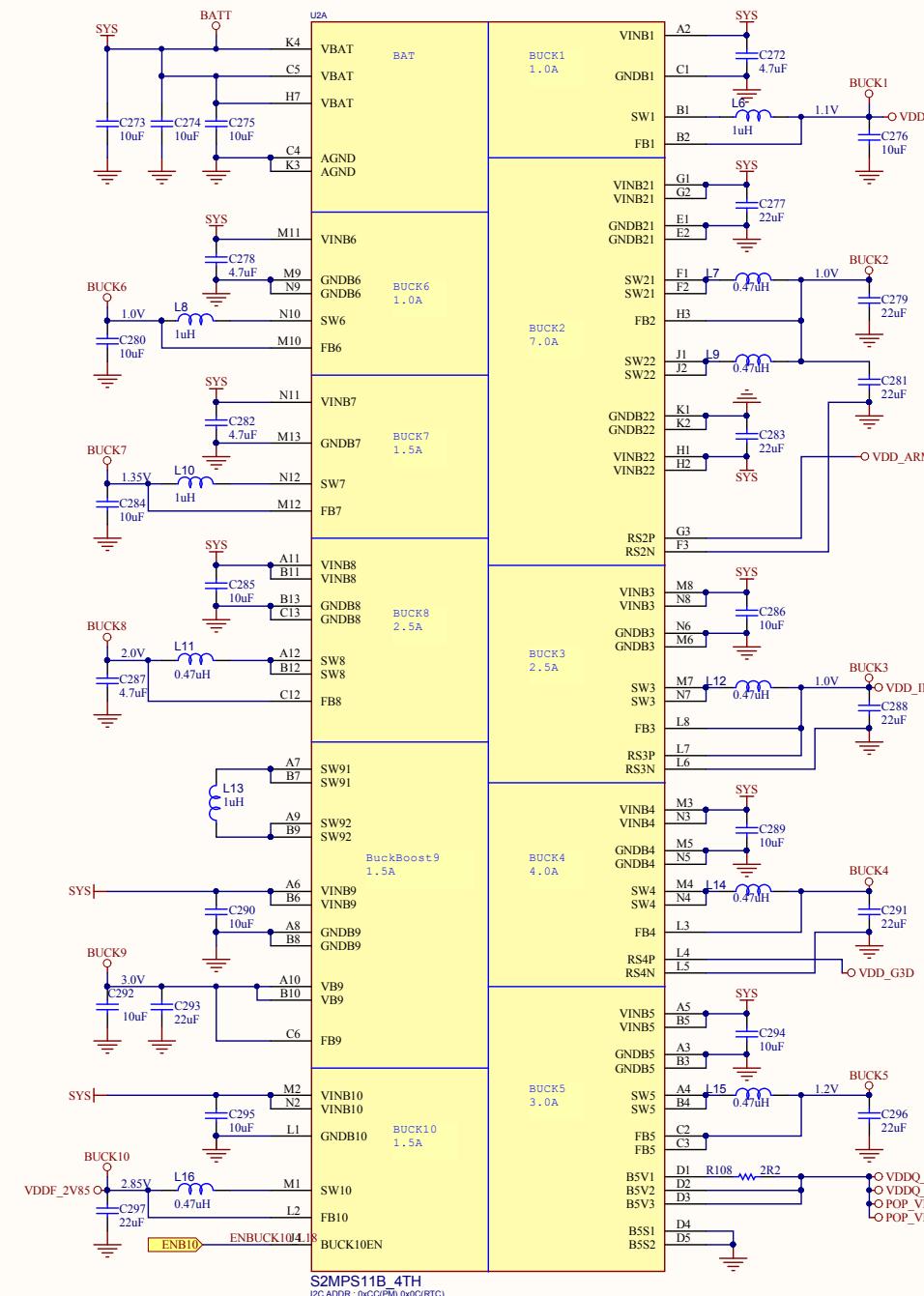






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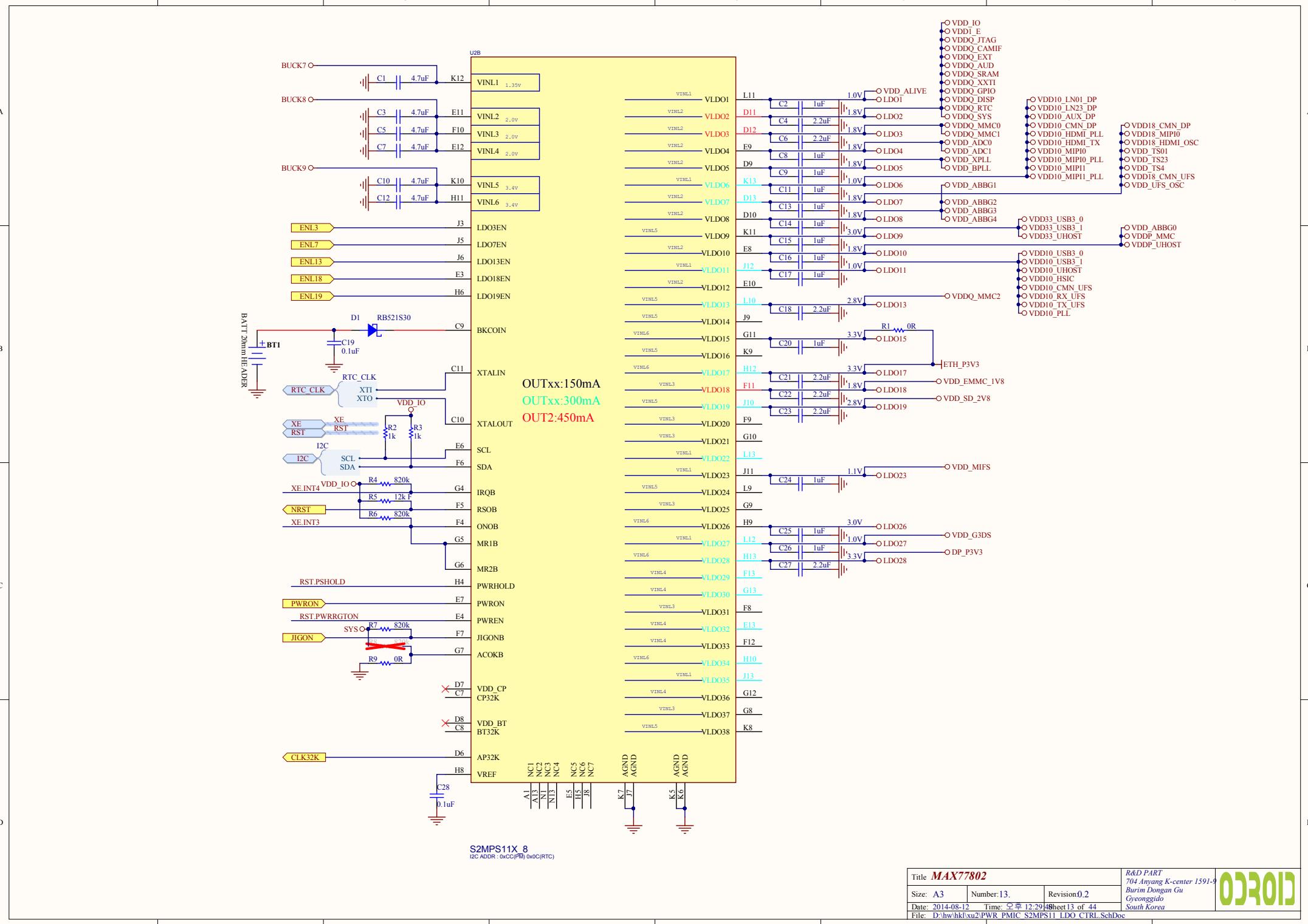


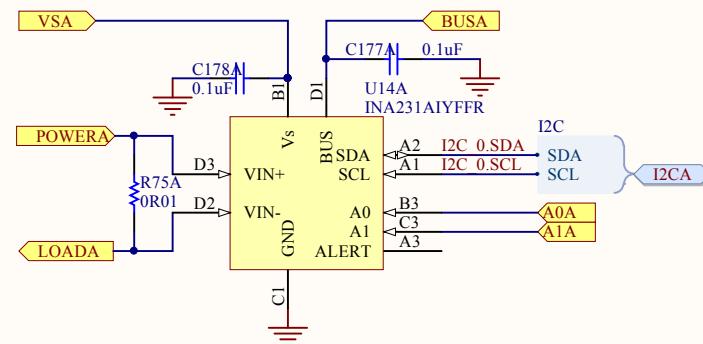
S2MPS11B_4TH

- VDD_MEM
- VDDCA_E
- VDD2_E
- POP_VREFCA_E
- VDDQ_DRAM0_CKE
- VDDQ_DRAM1_CKE
- VDDQ_E
- POP_VREFDQ_E

Title MAX77802		
Size: A3	Number: 12.	Revision: 0.2
Date: 2014-08-12	Time: 오후 12:29	3sheet 12 of 44
File: D:\hw\hkl\xu2\PWR PMIC S2MPS11 BUCK.SchDoc		

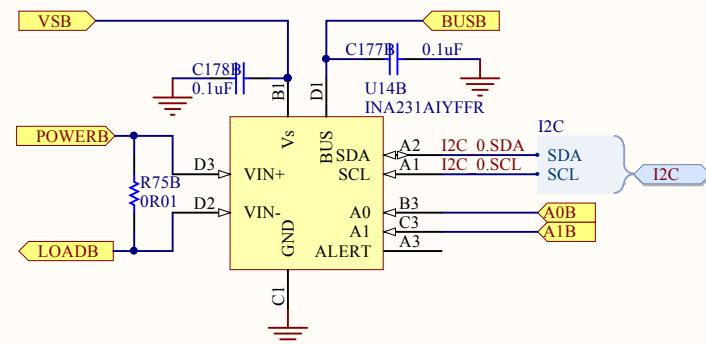
1591-9





Title Current Sensor			Hardkernel Co.,LTD. 704 Anyang K-center 1591-9 Burim, Dongangu, Anyang Kyeonggido South Korea
Size: A4	Number:14.1	Revision:0.2	
Date: 2014-08-12	Time: 오후 12:29	Sheet:14.bf	44
File: D:\hw\hkl\xu2\INA231.SchDoc			

ODROID



Title Current Sensor			Hardkernel Co.,LTD. 704 Anyang K-center 1591-9 Burim, Dongangu, Anyang Kyeongido South Korea
Size: A4	Number:14.2	Revision:0.2	
Date: 2014-08-12	Time: 오후 12:29	Sheet: 14 of 44	
File: D:\hw\hkl\xu2\INA231.SchDoc			ODROID

A

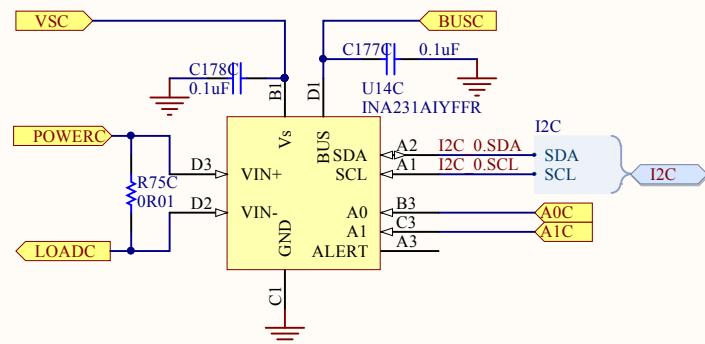
1

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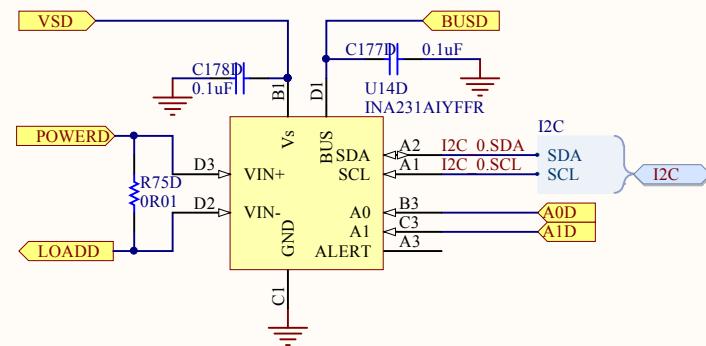
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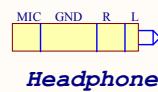
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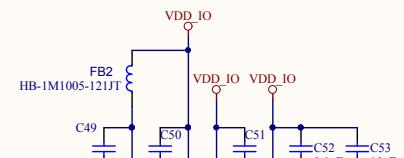
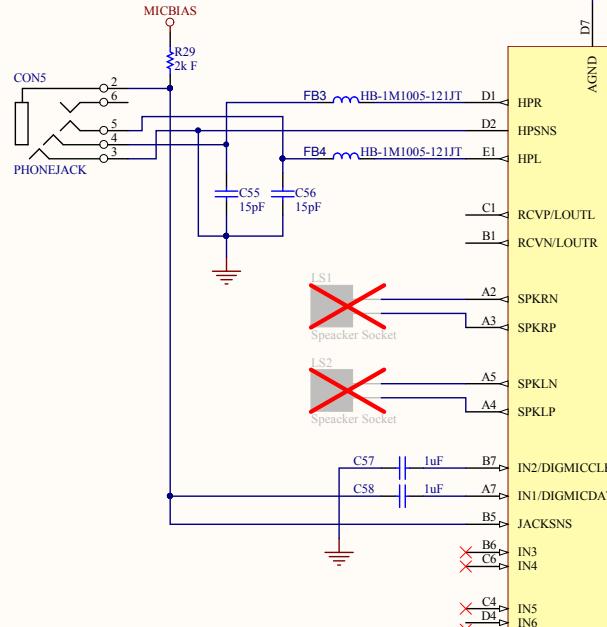
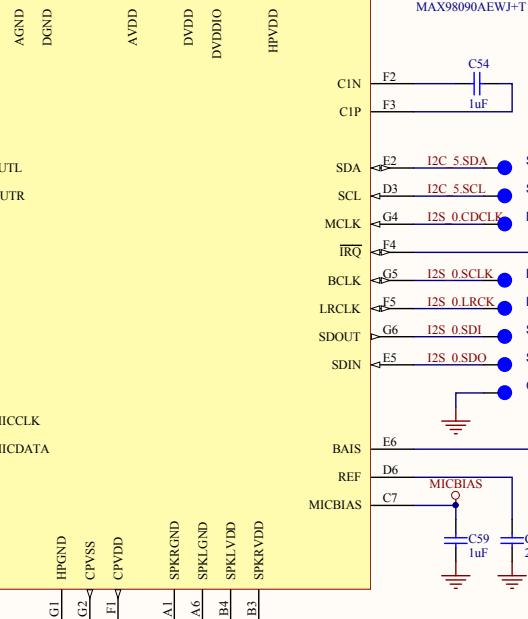
Title Current Sensor			Hardkernel Co.,LTD. 704 Anyang K-center 1591-9 Burim, Dongangu, Anyang Kyeongido South Korea	
Size: A4	Number:14.3	Revision 0.2		
Date: 2014-08-12	Time: 오후 12:29	48	sheet 14 of 44	
File: D:\hw\hkl\xu2\INA231.SchDoc				



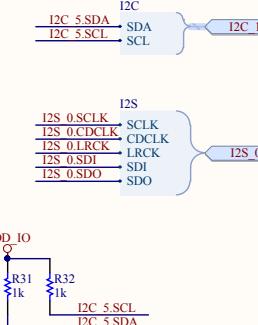
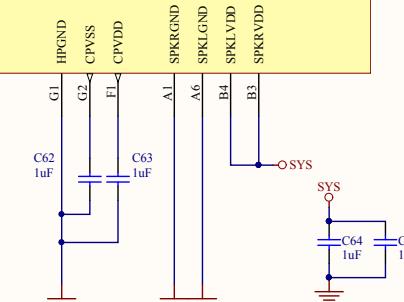
Title Current Sensor			Hardkernel Co.,LTD. 704 Anyang K-center 1591-9 Burim, Dongangu, Anyang Kyeongido South Korea
Size: A4	Number:14.4	Revision:0.2	
Date: 2014-08-12	Time: 오후 12:29 48sheet 14.4f 44		
File: D:\hw\hkl\xu2\INA231.SchDoc			ODROID



Headphone

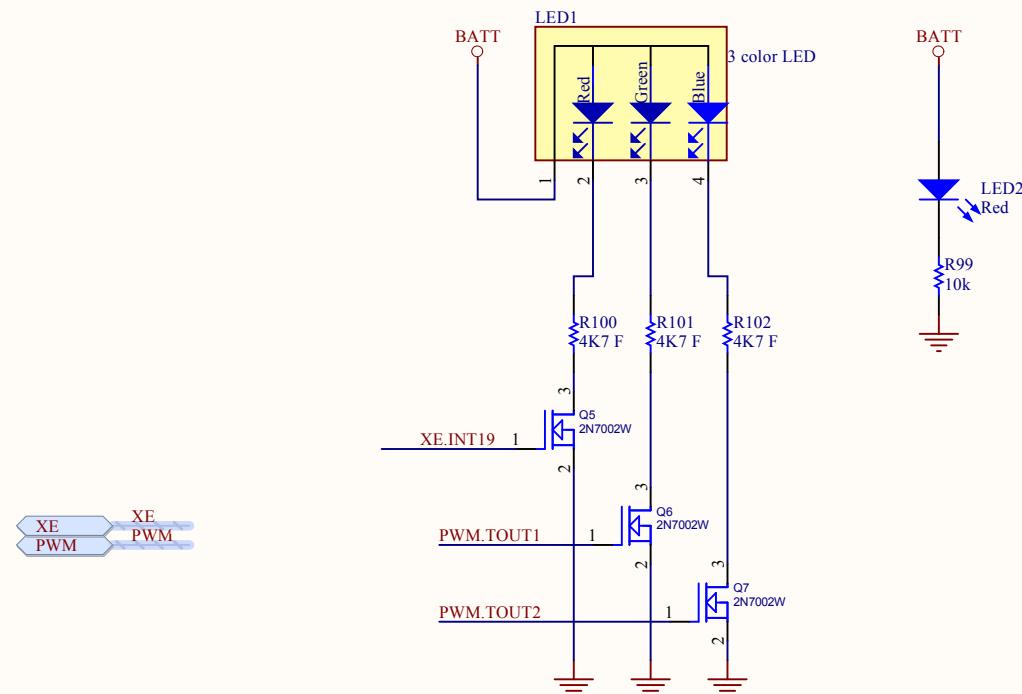
U5
MAX98090AEWJ+T

GND1



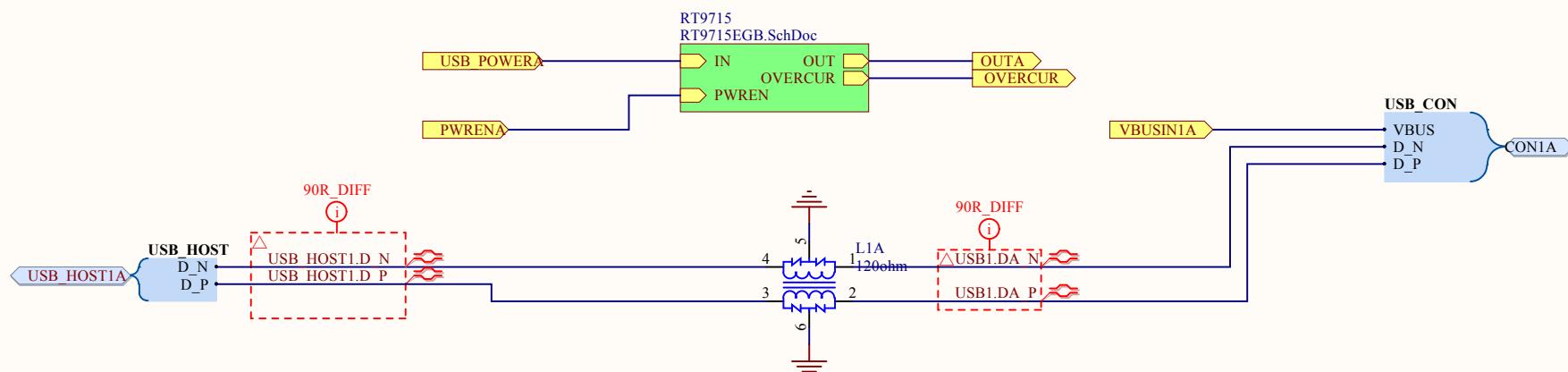
Title Audio Codec		
Size: A3	Number: 15.	Revision: 0.2
Date: 2014-08-12	Time: 오후 12:29	Sheet 15 of 44
File: D:\hw\hkl\xu2\AUDIO_CODEC MAX98090.SchDoc		Hardkernel Co.,LTD. 704 Anyang K-center 1591-9 Burim, Dongangu, Anyang Gyeonggi-do South Korea

ODROID

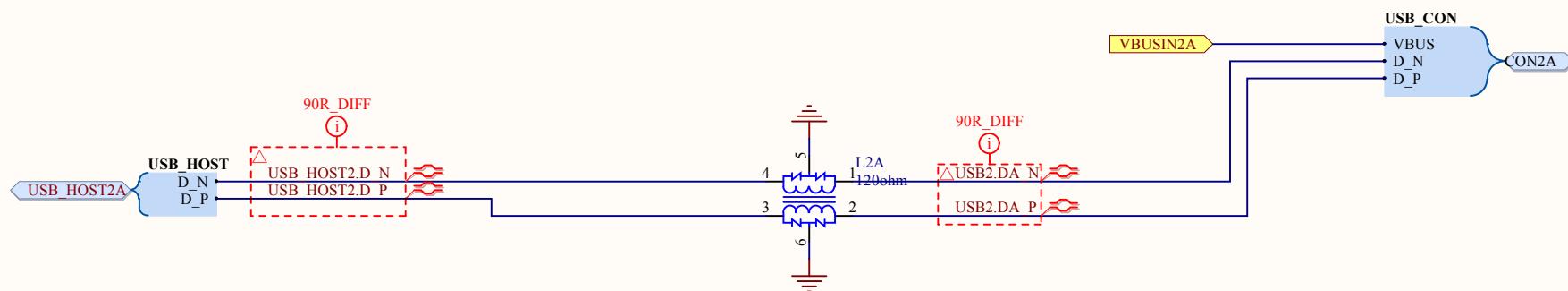


Title LEDs			Hardkernel Co.,LTD. 704 Anyang K-center 1591-9 Burim Dongan Gu Gyeonggido South Korea
Size: A4	Number:16.	Revision:0.2	
Date: 2014-08-12	Time: 오후 12:29	Sheet 16 of 44	
File: D:\hw\hkl\xu2\XU_LEDs.SchDoc			ODROID

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Title **USB HOST Power Switch**

Size: A4 Number:17.1 Revision:0.2

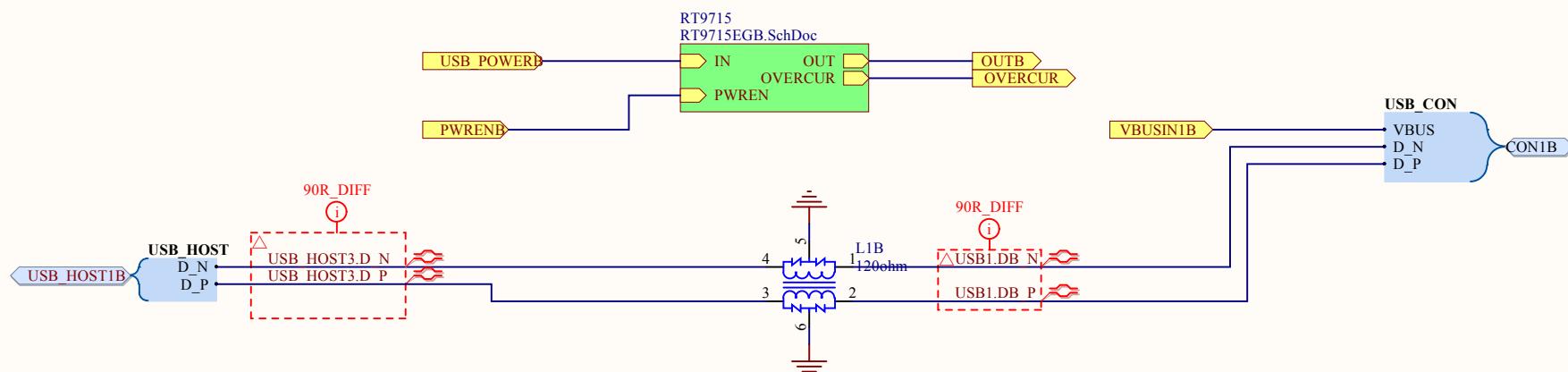
Date: 2014-08-12 Time: 오후 12:29:49 sheet17. bf 44

File: D:\hw\hkl\xu2\USB_HOST_PWR_SW_RT9715.SchDoc

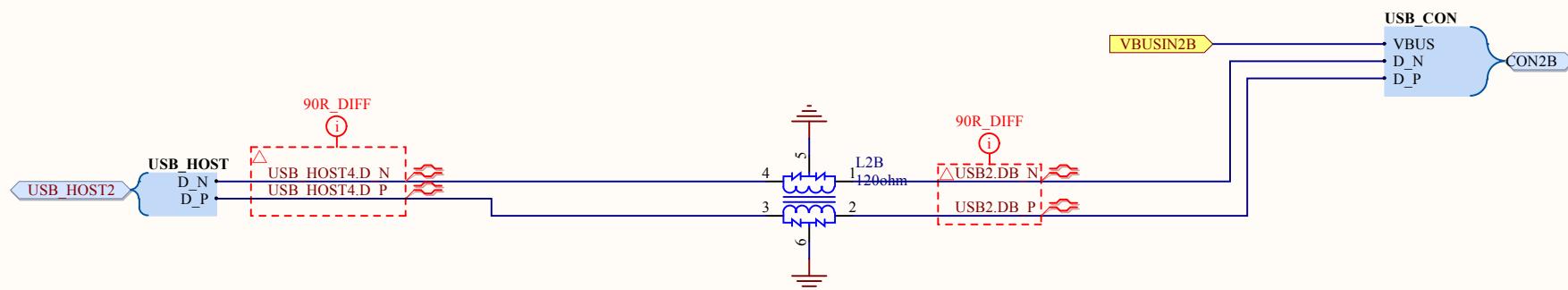
Hardkernel Co.,LTD.
704 Anyang K-center 1591-9
Burim, Dongangu, Anyang
Gyeonggido
South Korea

ODROID

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Title **USB HOST Power Switch**

Size: A4 Number:17.2 Revision:0.2

Date: 2014-08-12 Time: 오후 12:29 48sheet17.0f 44

File: D:\hw\hkl\xu2\USB_HOST_PWR_SW_RT9715.SchDoc

Hardkernel Co.,LTD.
704 Anyang K-center 1591-9
Burim, Dongangu, Anyang
Gyeonggido
South Korea

ODROID

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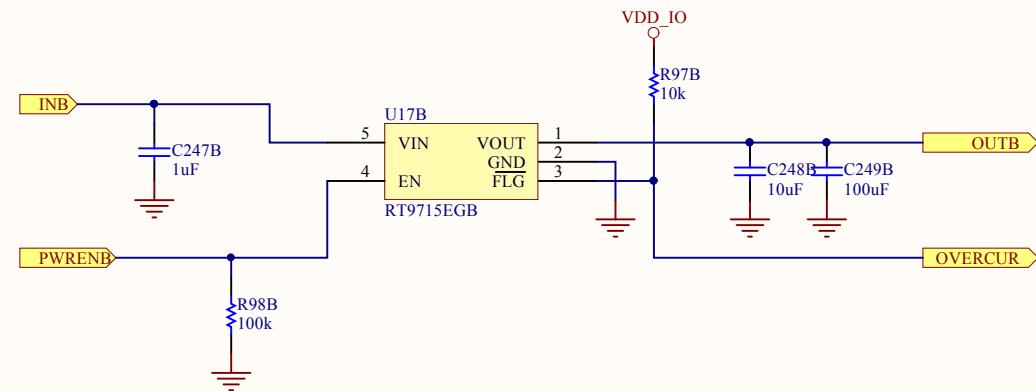
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Title **USB HOST Power Switch**Size: **A4** Number: **18.1.1** Revision: **0.2**Date: **2014-08-12** Time: **오 12:29** sheet **18**.bfl **44**File: **D:\hw\hkl\xu2\RT9715EGB.SchDoc**

Hardkernel Co.,LTD.
 704 Anyang K-center 1591-9
 Burim, Dongangu, Anyang
 Gyeonggido
 South Korea

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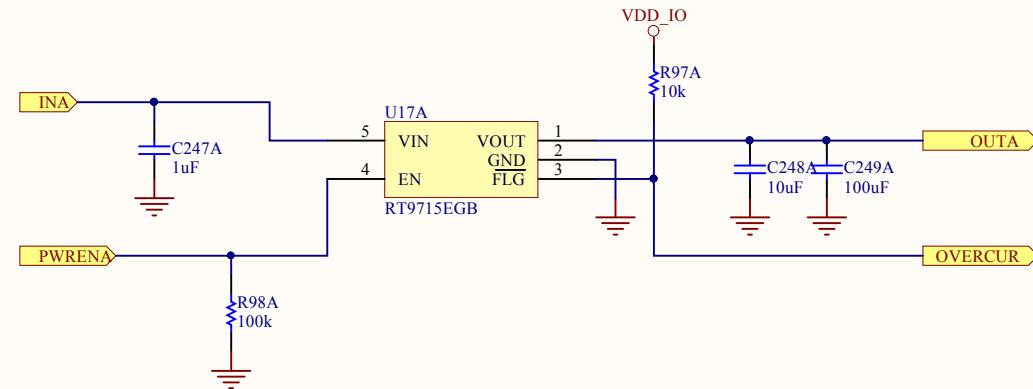
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Title **USB HOST Power Switch**Size: **A4** Number: **18.1.1** Revision: **0.2**Date: **2014-08-12** Time: **오 12:29** sheet **18**.bfl **44**File: **D:\hw\hkl\xu2\RT9715EGB.SchDoc**

Hardkernel Co.,LTD.
 704 Anyang K-center 1591-9
 Burim, Dongangu, Anyang
 Gyeonggido
 South Korea

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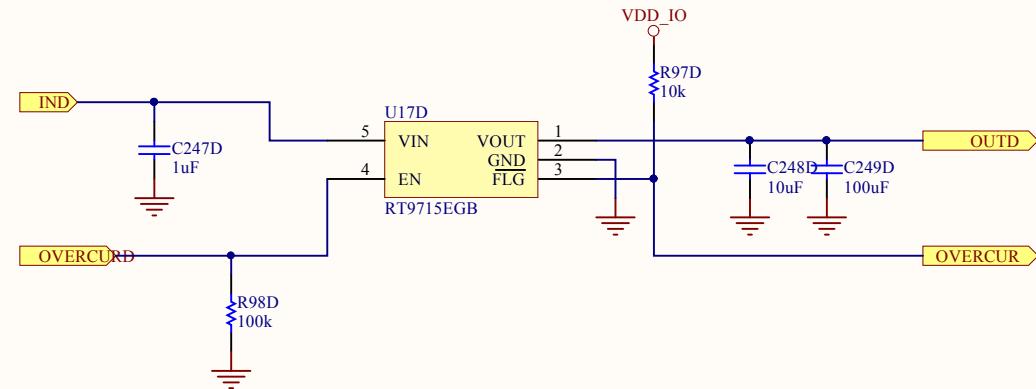
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Title **USB HOST Power Switch**Size: **A4** Number: **18.2.1** Revision: **0.2**Date: **2014-08-12** Time: **오늘 12:29** Sheet: **18** of **44**File: **D:\hw\hkl\xu2\RT9715EGB.SchDoc**

Hardkernel Co.,LTD.
704 Anyang K-center 1591-9
Burim, Dongangu, Anyang
Gyeonggido
South Korea

ODROID

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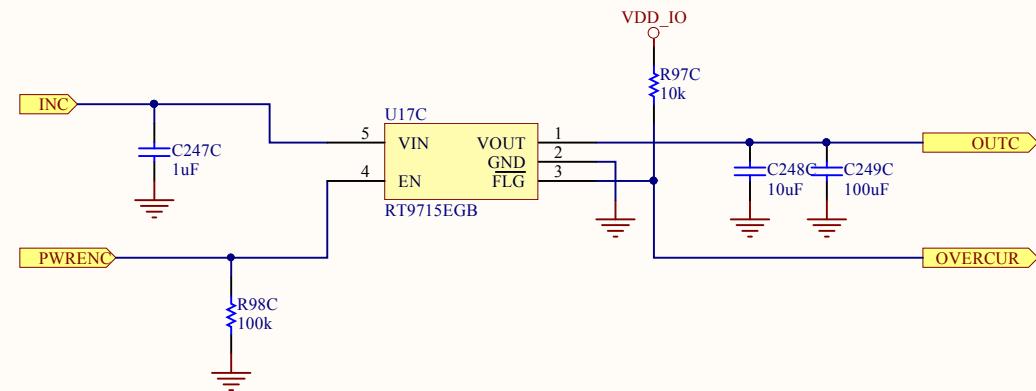
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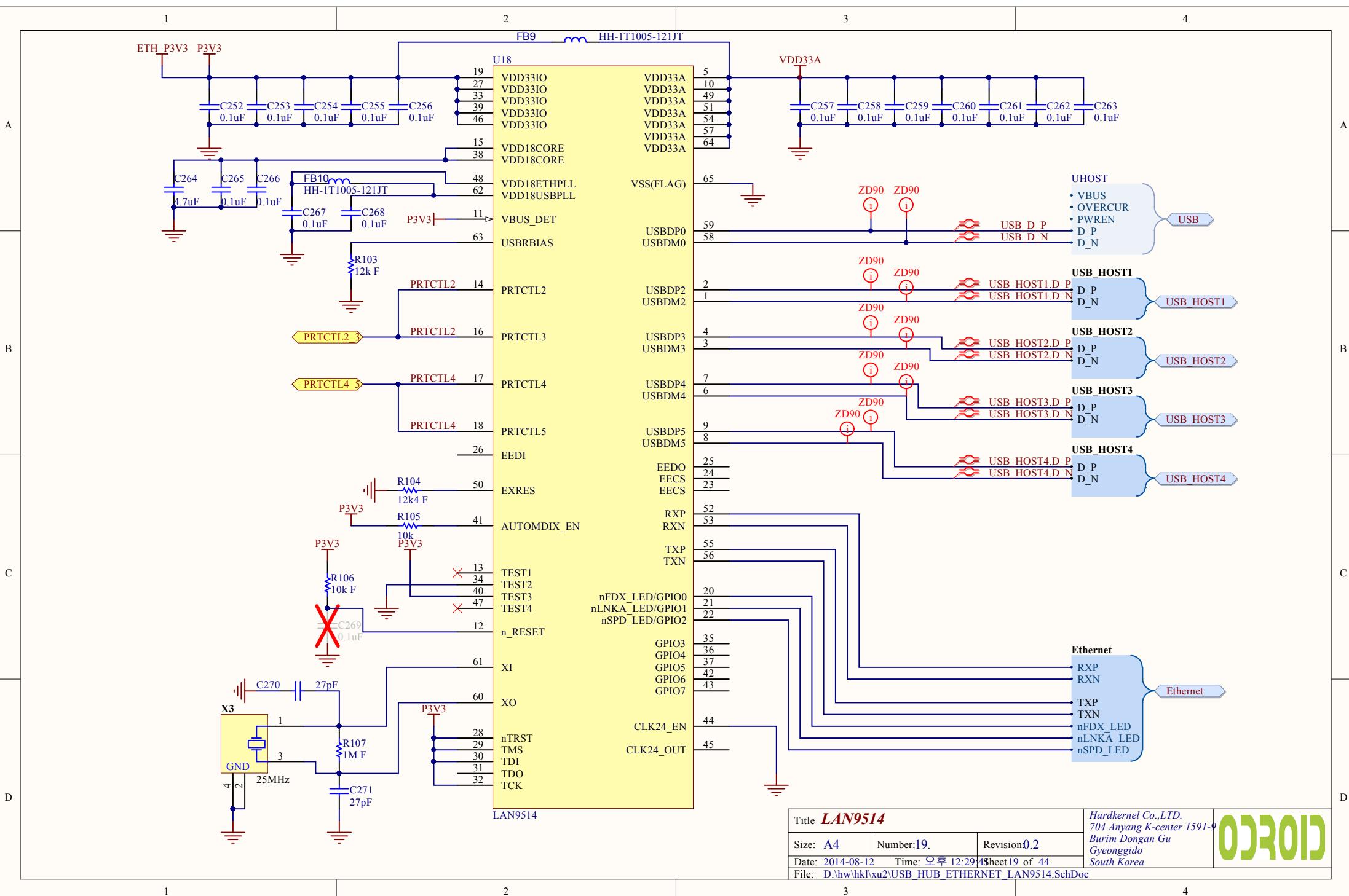
Title **USB HOST Power Switch**

Size: A4 Number: 18.2.1 Revision: 0.2

Date: 2014-08-12 Time: 오후 12:29 | 48 sheet 18.2fl 44

File: D:\hw\hkl\xu2\RT9715EGB.SchDoc

Hardkernel Co.,LTD.
 704 Anyang K-center 1591-9
 Burim, Dongangu, Anyang
 Gyeonggido
 South Korea



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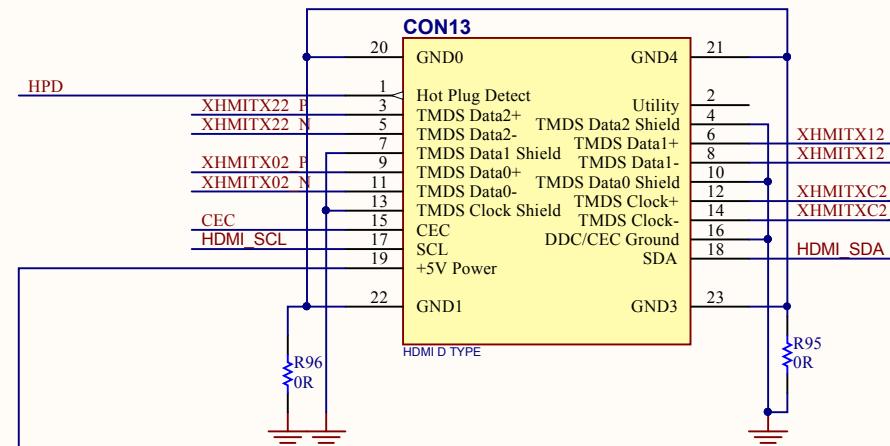
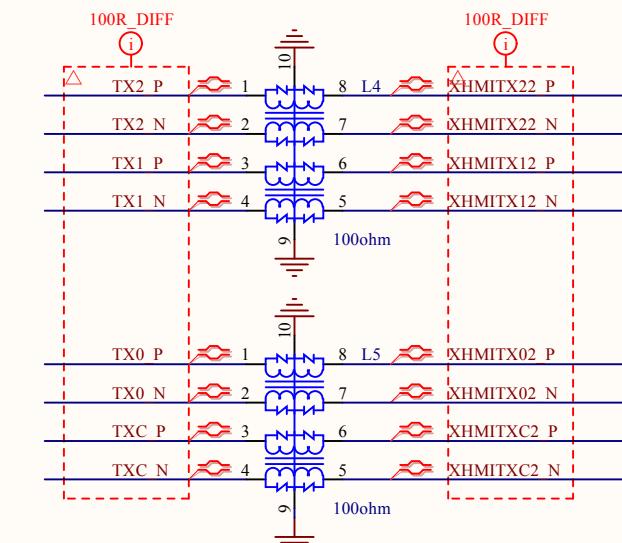
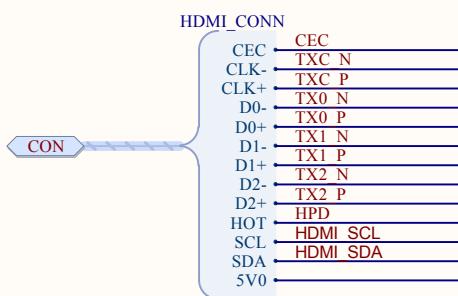
B

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Title **Micro HDMI Connector**

Size: A4 Number:20 Revision:0.2

Date: 2014-08-12 Time: 오후 12:29 4\$heet20 of 44

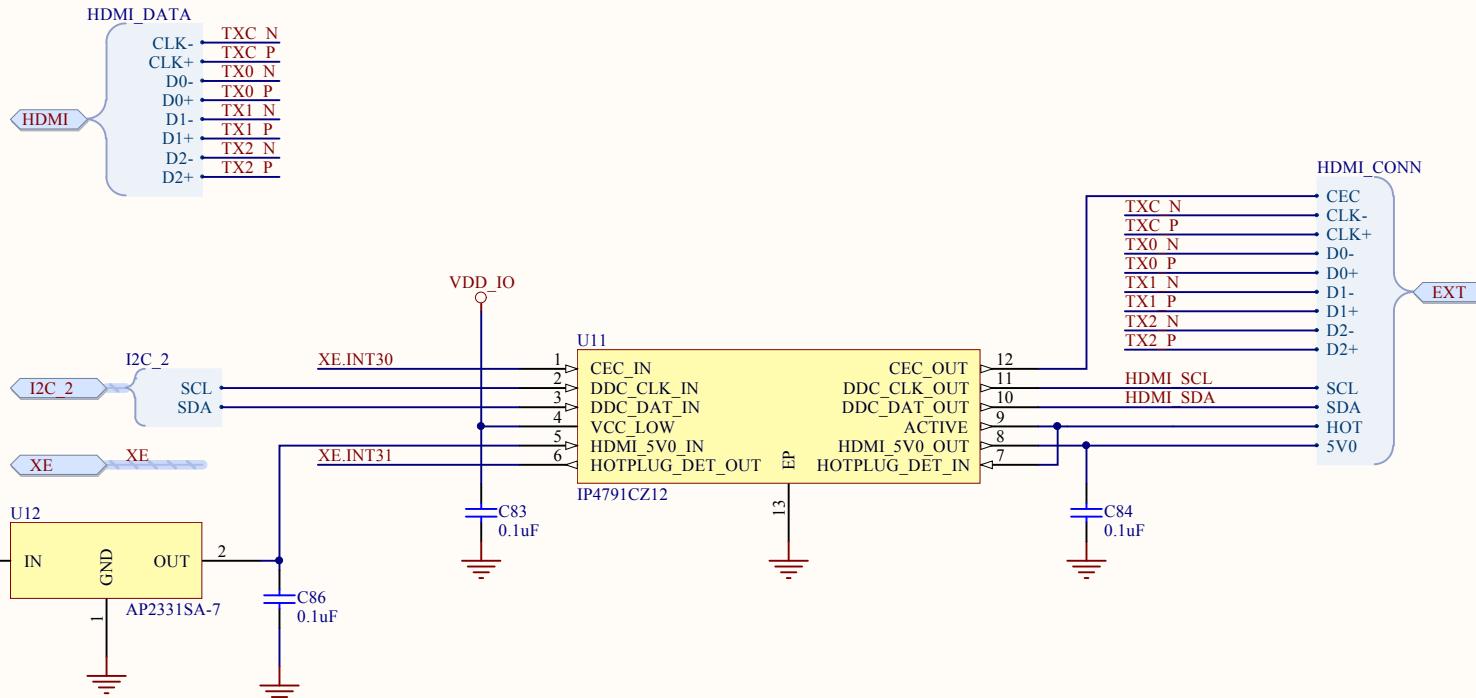
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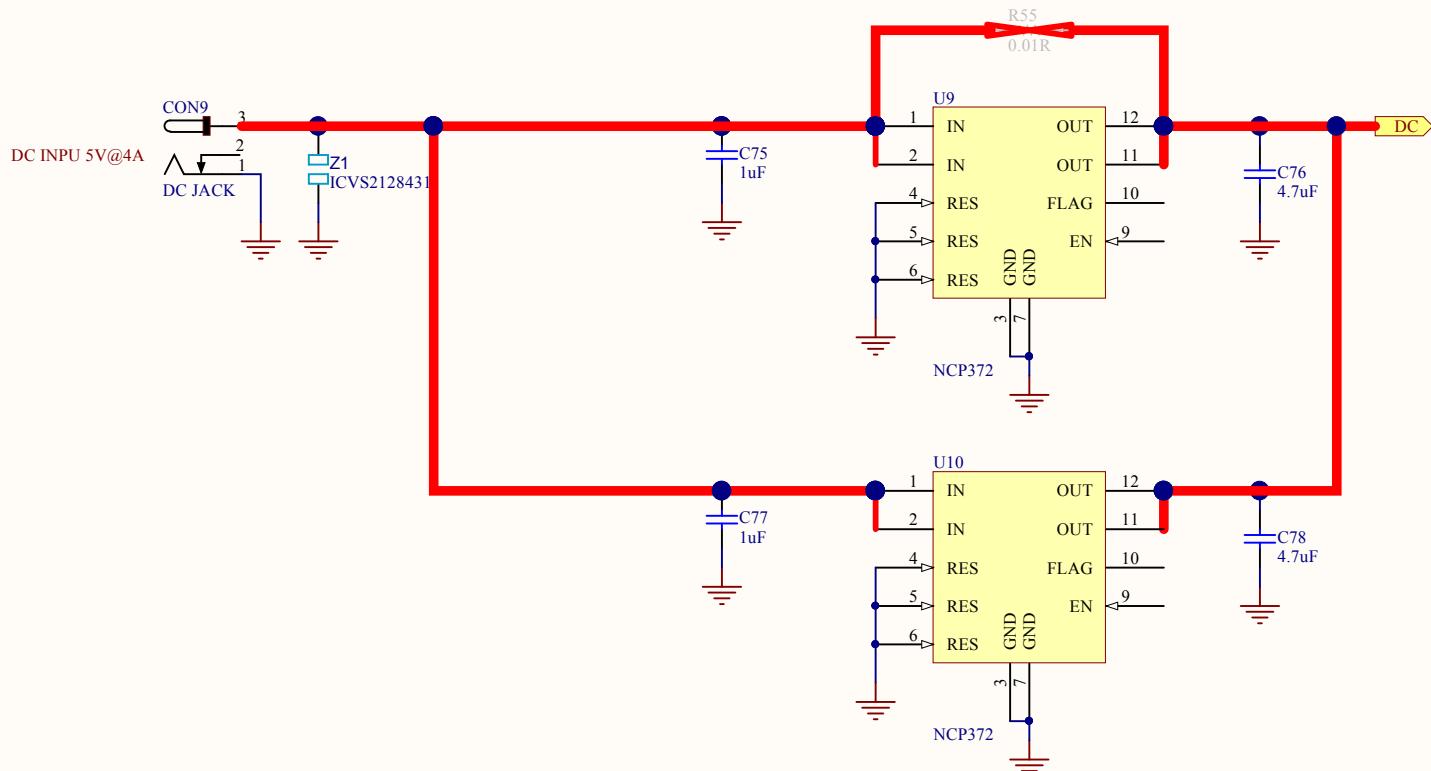
Hardkernel Co.,LTD.
704 Anyang K-center 1591-9
Burim, Dongangu, Anyang
Kyeonggido
South Korea

ODROID

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Title **DC Jack and Potection IC**

Size: A4 Number:22. Revision:0.2
 Date: 2014-08-12 Time: 오후 12:29 | 48sheet22 of 44
 File: D:\hw\hkl\xu2\CON_DCJACK.SchDoc

Hardkernel Co.,LTD.
 704 Anyang K-center 1591-9
 Burim, Dongangu, Anyang
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 South Korea

ODROID

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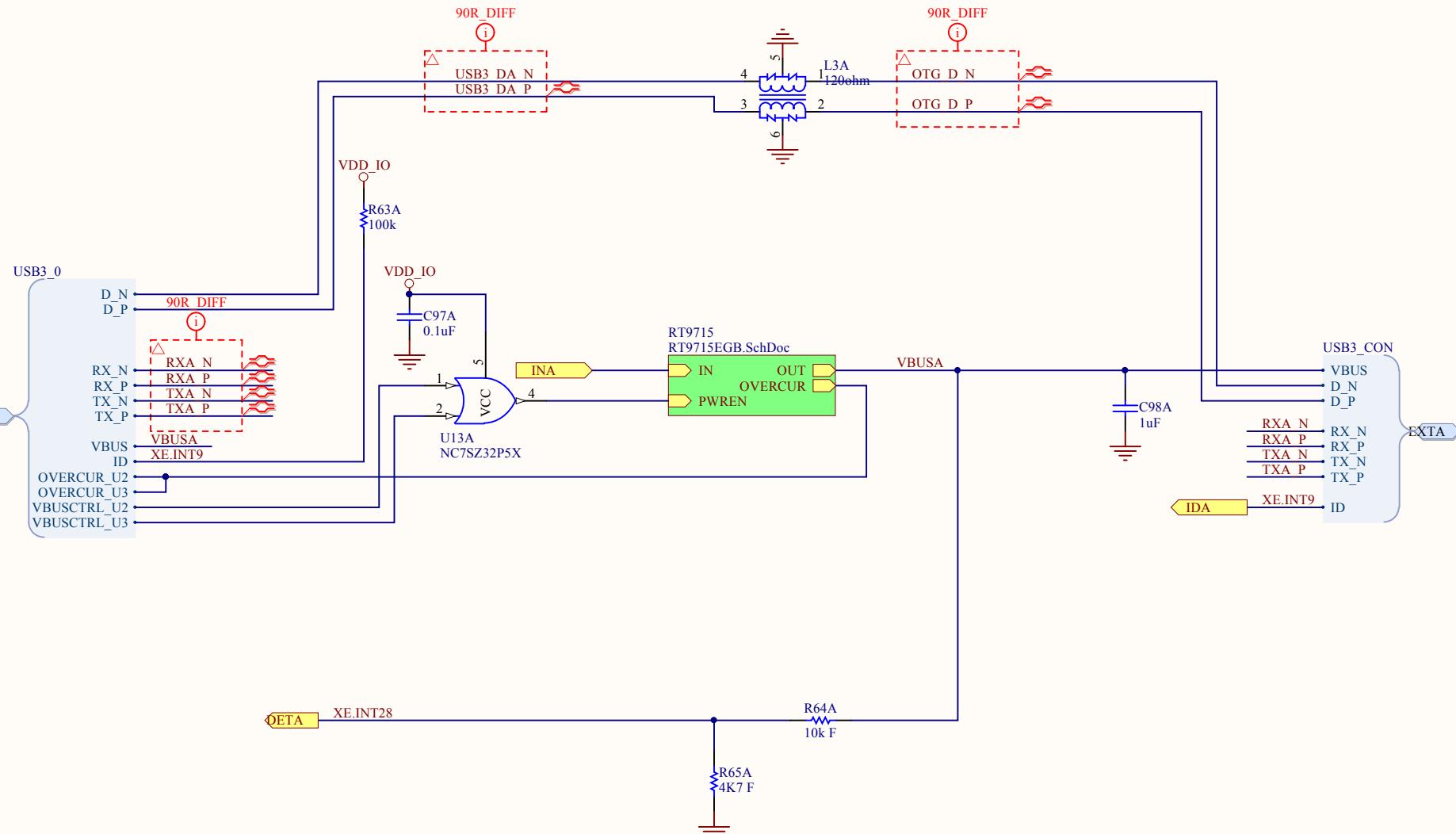
113

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113

D

113



Title **USB3 BUS POWER**

Hardkernel Co., LTD.
1-605 Shinan Metrokhan 111,
Dalandong, Dongangu, Anyang
Gyeonggido
South Korea

ANDROID

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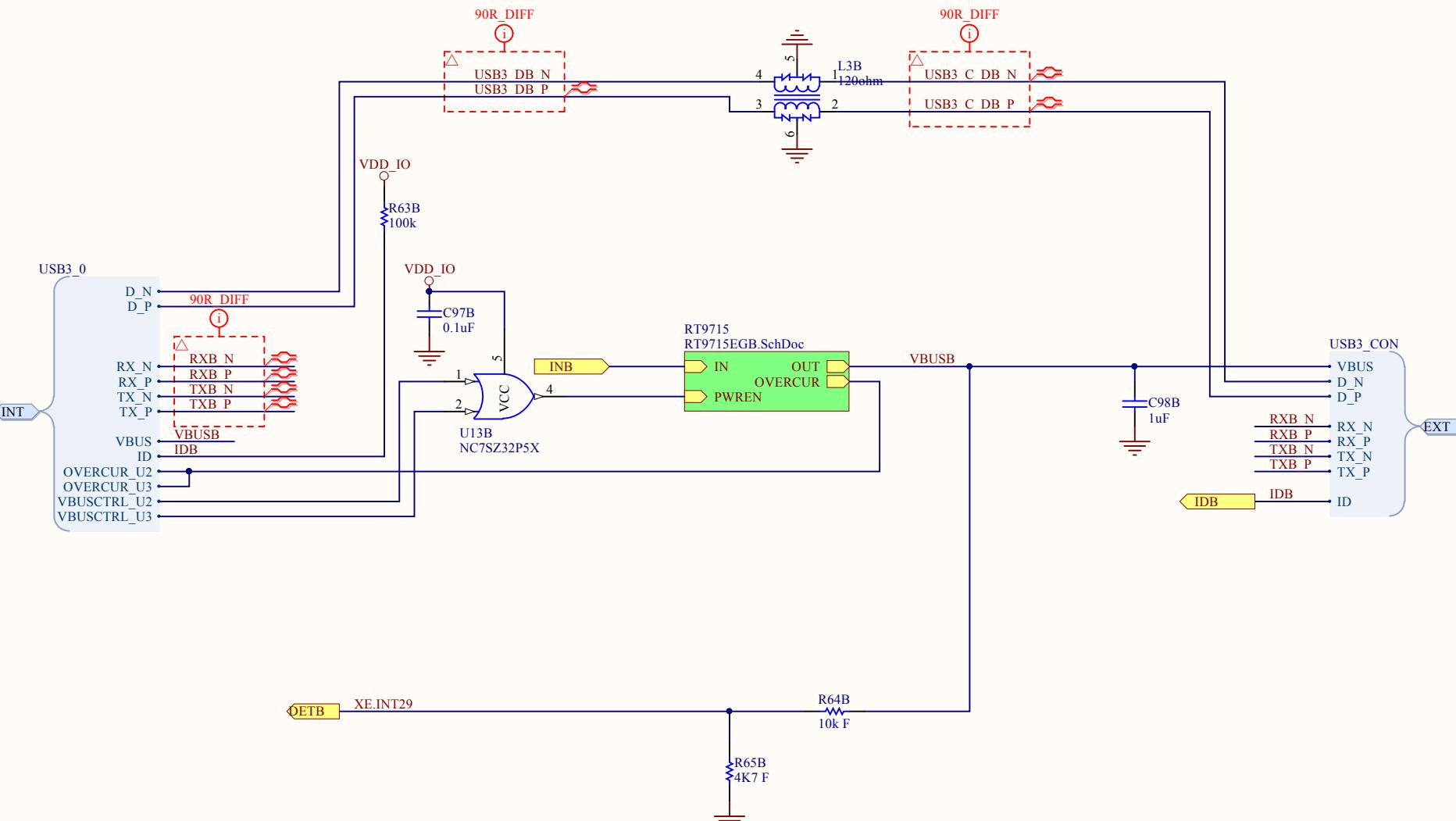
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Title **USB3 BUS POWER**

Size: A4 Number:23.2 Revision:0.2
 Date: 2014-08-12 Time: 오후 12:29 4Sheet 23.0f 44
 File: D:\hw\hbk\1\yu\2\USR2_PUS_PWP.SchDoc

*Hardkernel Co., LTD.
1-605 Shinan Metrokhan 111,
Dalandong, Dongangu, Anyang
Gyeonggido
South Korea*

CODE

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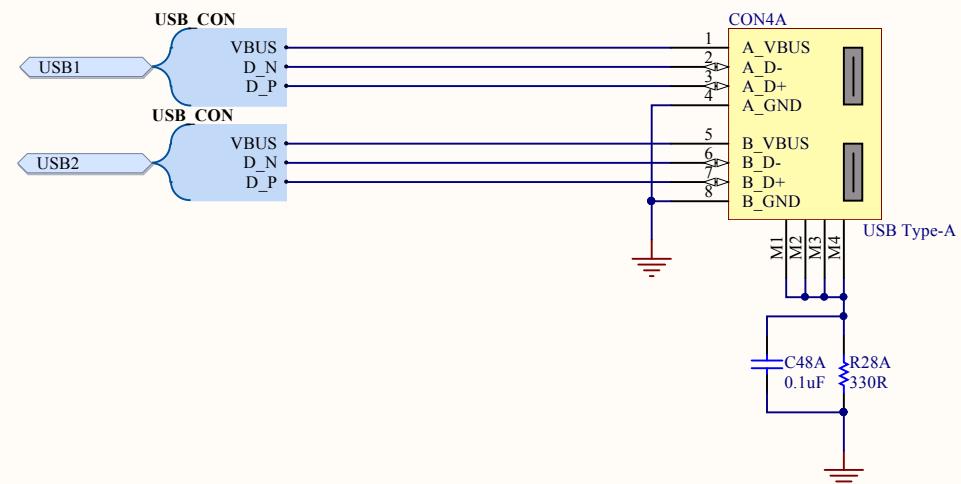
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Title **USB 2.0 Type A Connector**

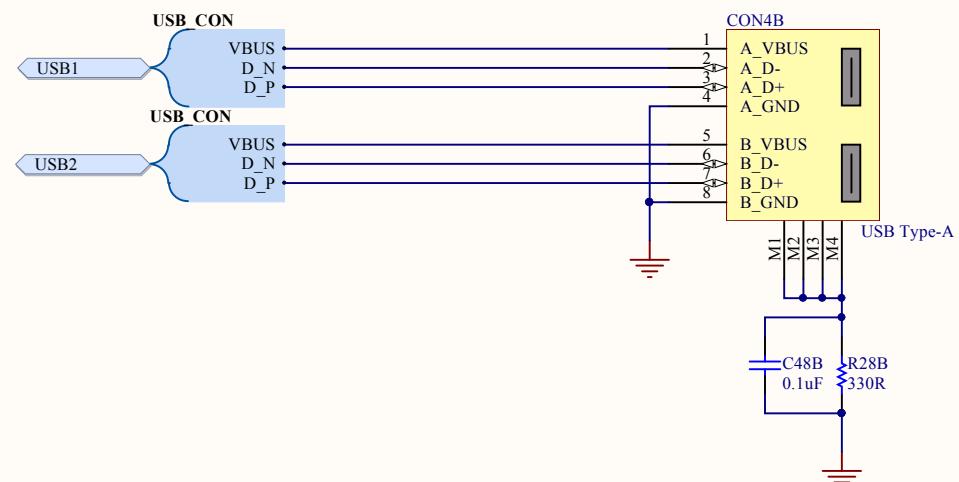
Size: A4 Number:24.1 Revision:0.2

Date: 2014-08-12 Time: 오후 12:29|4sheet24.bf 44

File: D:\hw\hkl\xu2\CON_USB_RA_DUAL.SchDoc

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1-605 Shinan Metrokhan 111,
Dalandong, Dongangu, Anya
Gyeonggi-do
South Korea

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Title **USB 2.0 Type A Connector**

Size: A4 Number:24.2 Revision:0.2

Date: 2014-08-12 Time: 오후 12:29 48sheet24.0f 44

File: D:\hw\hkl\xu2\CON_USB_RA_DUAL.SchDoc

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Dalandong, Dongangu, Anya
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South Korea

ODROID

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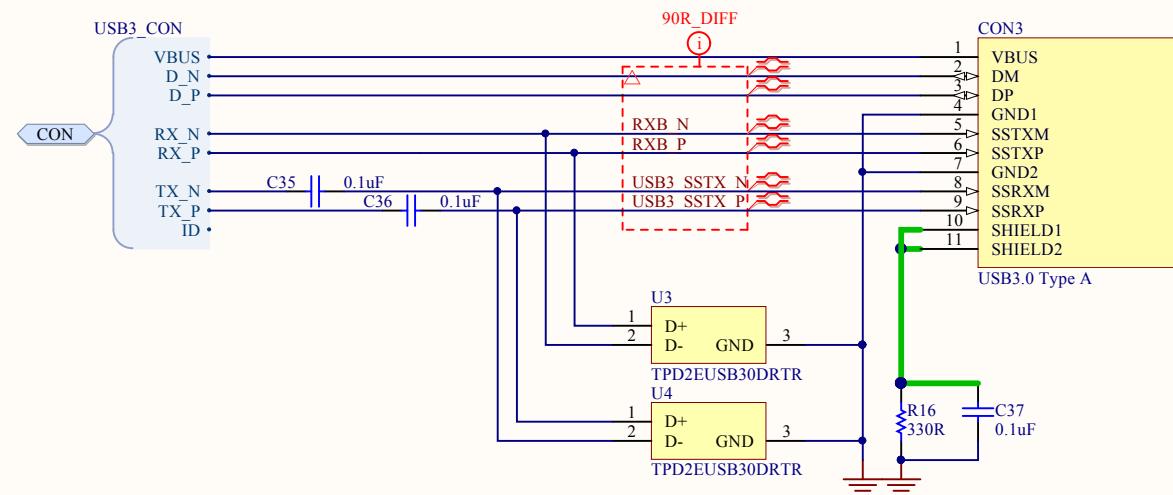
B

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Title **USB 3.0 Type A Connector**

Size: A4 Number:25. Revision:0.2

Date: 2014-08-12 Time: 오후 12:29 | 48sheet25 of 44

File: D:\hw\hkl\xu2\CON_USB3_RA.SchDoc

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ODROID

A

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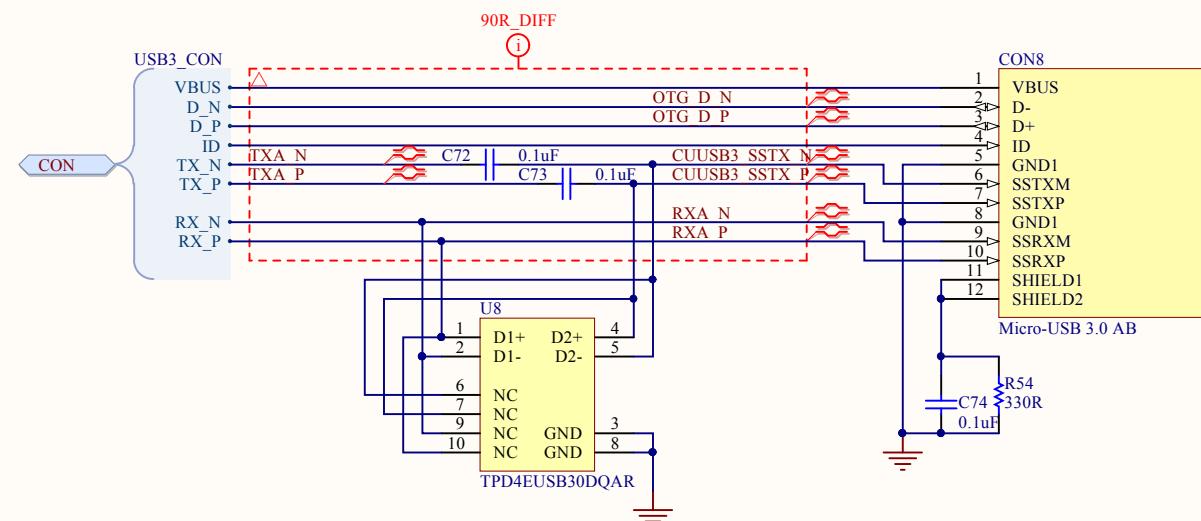
B

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Title Micro USB 3.0 Connector		
Size: A4	Number: 26	Revision: 0.2
Date: 2014-08-12	Time: 오후 12:29	Sheet 26 of 44
File: D:\hw\hkl\xu2\CON_USB3_MICROUSB.SchDoc		

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Burim, Dongangu, Anyang
Kyeonggido
South Korea*

ANDROID

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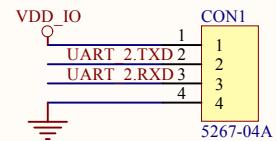
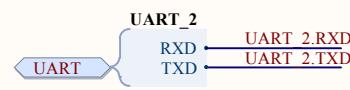
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Title **CON_UART**

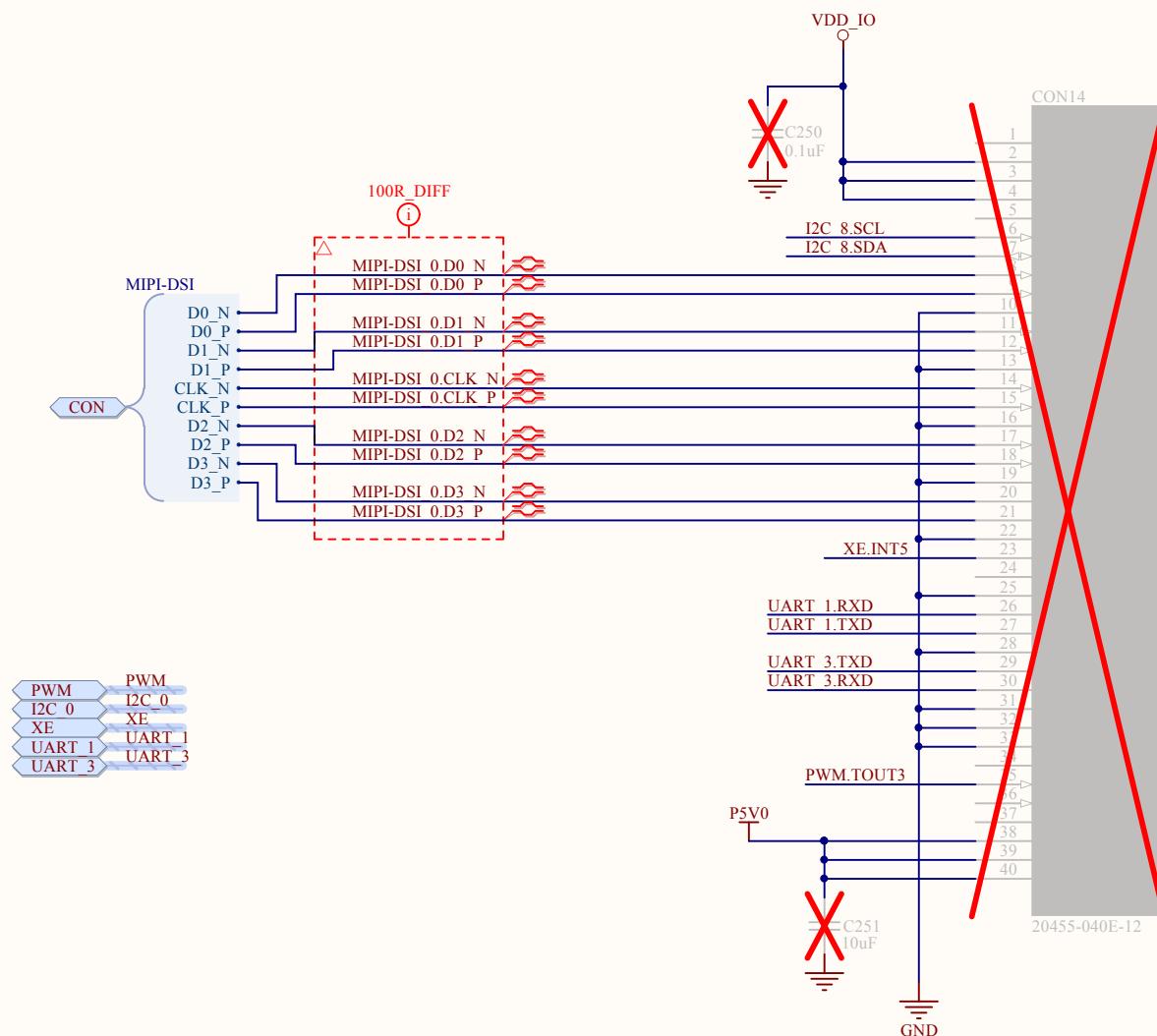
Size: A4

Number: 27.

Revision

0.2

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South Korea



Title *LCD Connector*

Sign: A4 Number: 28 Revision: 0.2

Page 2014-09-10 Time 07:10:00 Page 1 of 14

Date: 2014-08-12 Time: 오후 12:29 Sheet 28 of 44

File: D:\hw\hkl\xu2\CON_LCD_IPEX_20455-040E-12.SchDoc

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Kyeonggido
www.hardkernel.com

CEBROD

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B

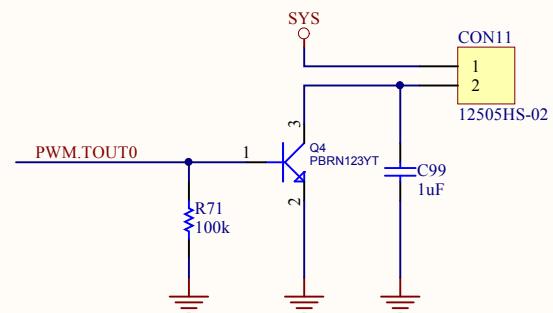
C

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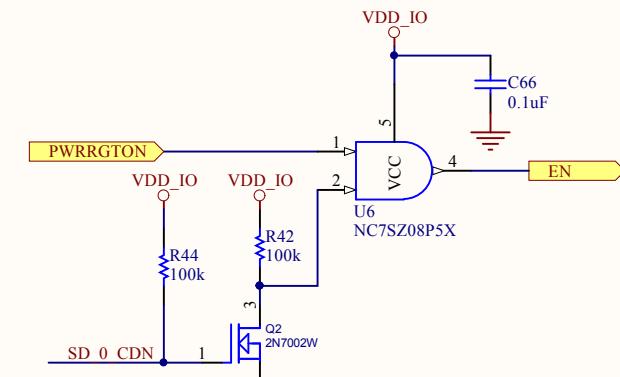
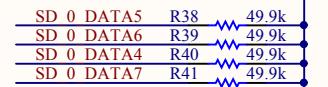
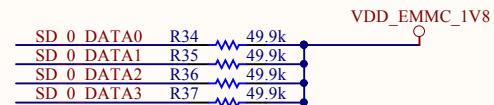
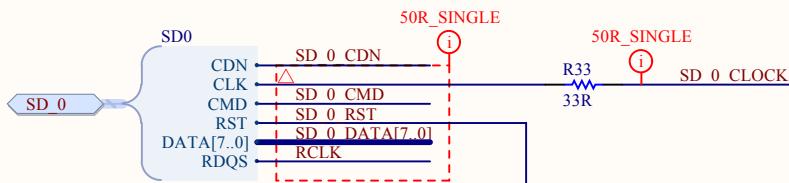
PWM

Title **FAN Connector**

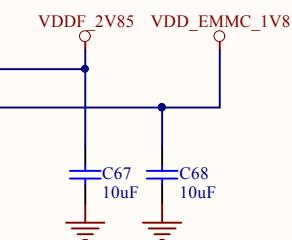
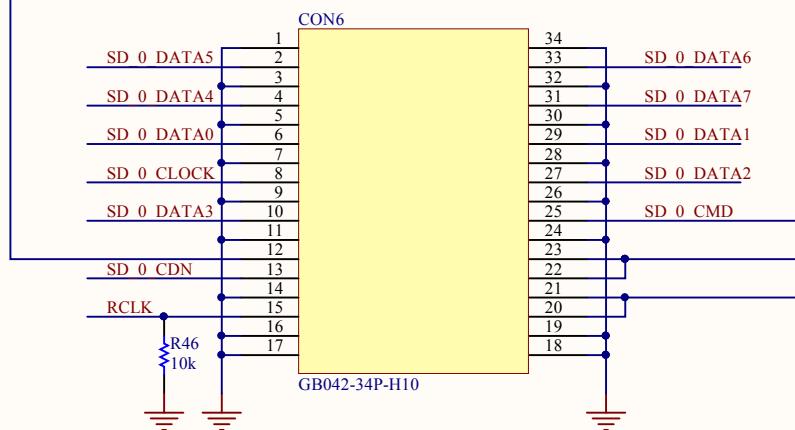
Size: A4	Number: 29.	Revision: 0.2
Date: 2014-08-12	Time: 오후 12:29	Sheet 29 of 44
File: D:\hw\hkl\xu2\CON_FAN.SchDoc		

Hardkernel Co.,LTD.
704 Anyang K-center 1591-9
Burim Dongan Gu
Gyeonggido
South Korea

A



B



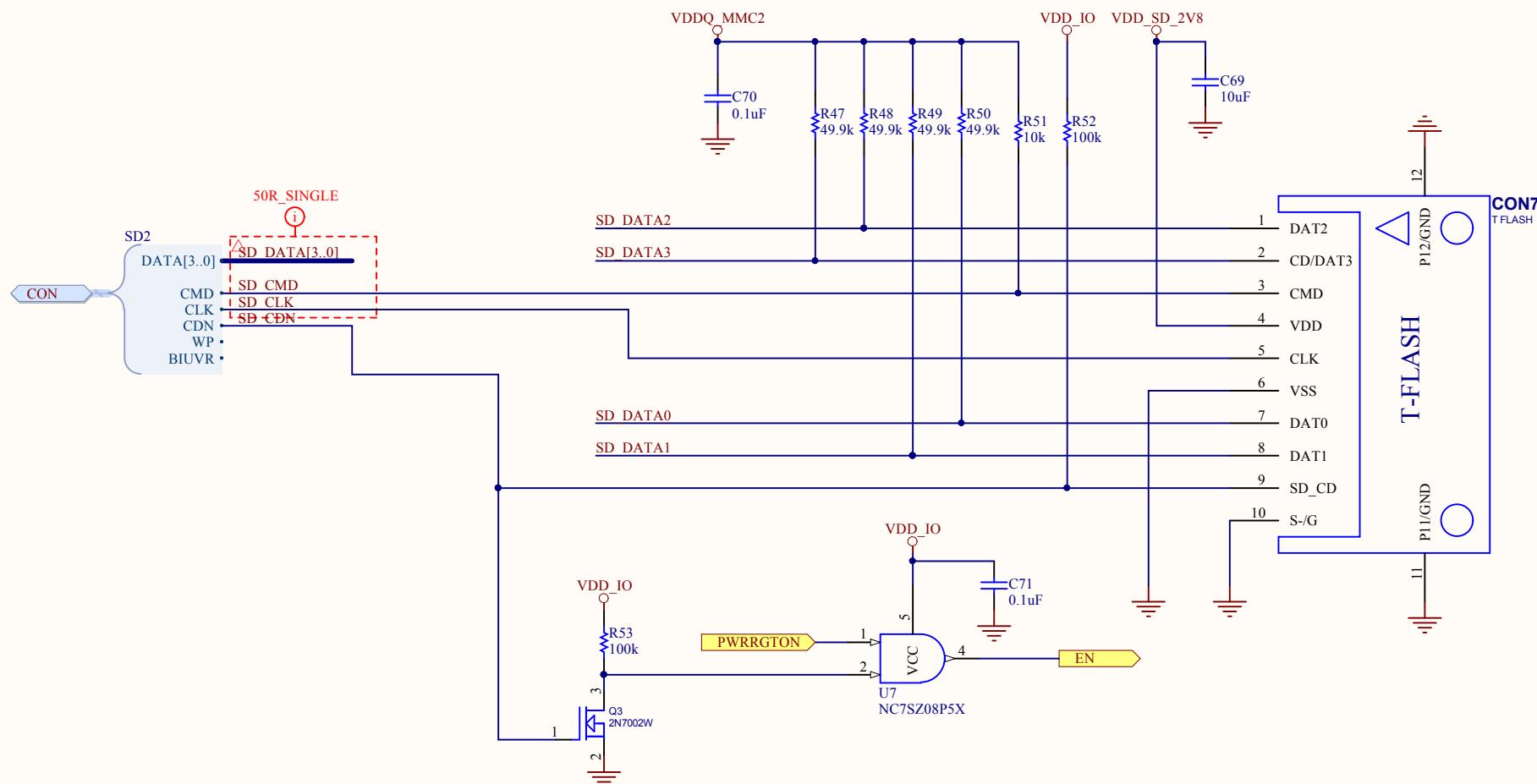
C

D

Title **CON_EMMC**

Size: A4 Number:30. Revision:0.2
 Date: 2014-08-12 Time: 오후 12:29 | 44 sheet 30 of 44
 File: D:\hw\hkl\xu2\CON_EMMC.SchDoc

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 South Korea



Title Micro SD Socket		
Size: A4	Number:31.	Revision:0.2
Date: 2014-08-12	Time: 오후 12:29	49sheet 31 of 44
File: D:\hw\hkl\xu2\CON_MICROSD_HD08-AL00335.SchDoc		

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Gyeonggi-do
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• ODRP

A

A

B

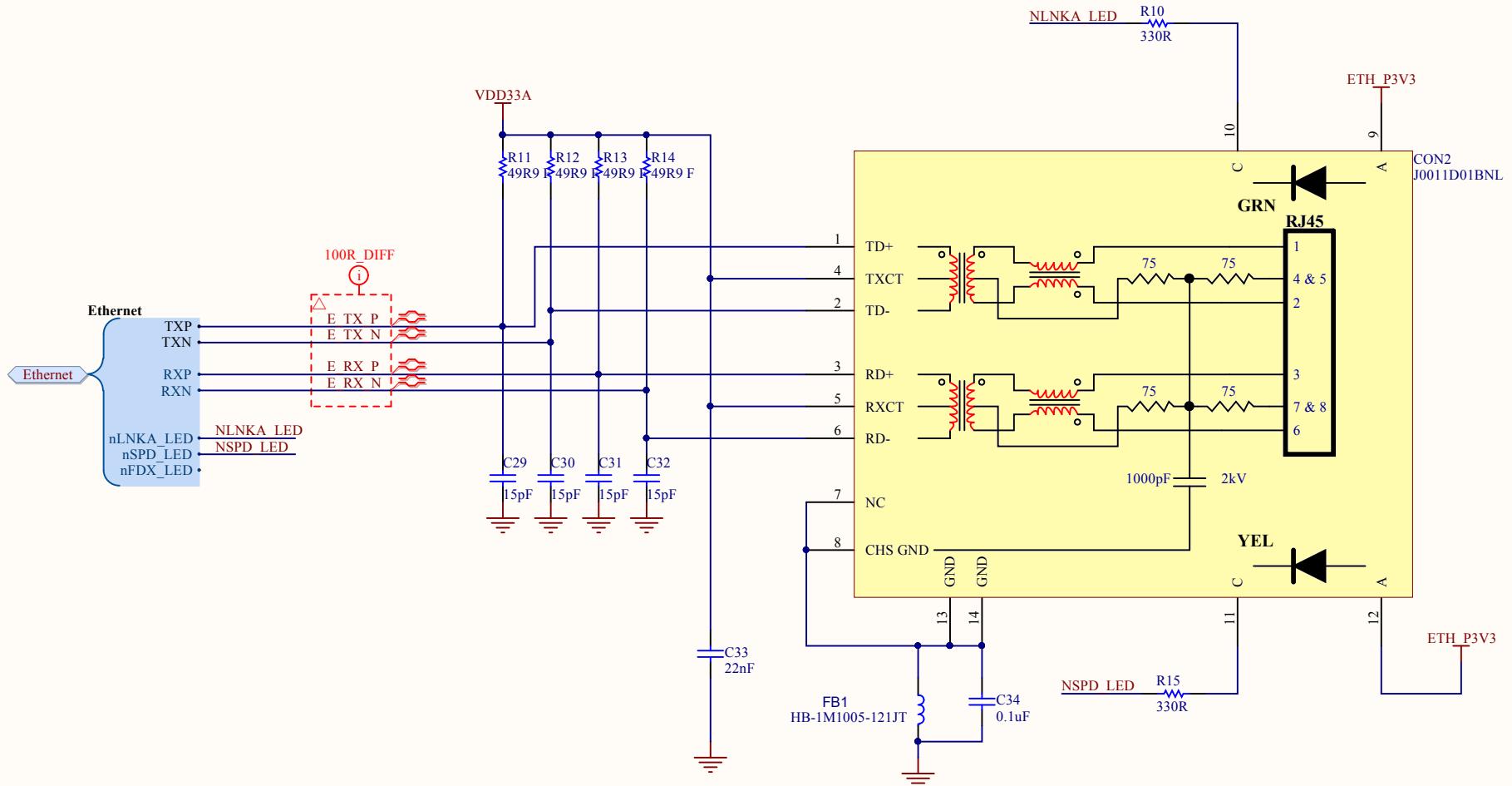
B

C

C

D

D

Title **Ethernet Connector**

Size: A4	Number: 32	Revision: 0.2
Date: 2014-08-12	Time: 오후 12:29	Sheet 32 of 44
File: D:\hw\hkl\xu2\CON_ETHERNET.SchDoc		

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ODROID

A

A

B

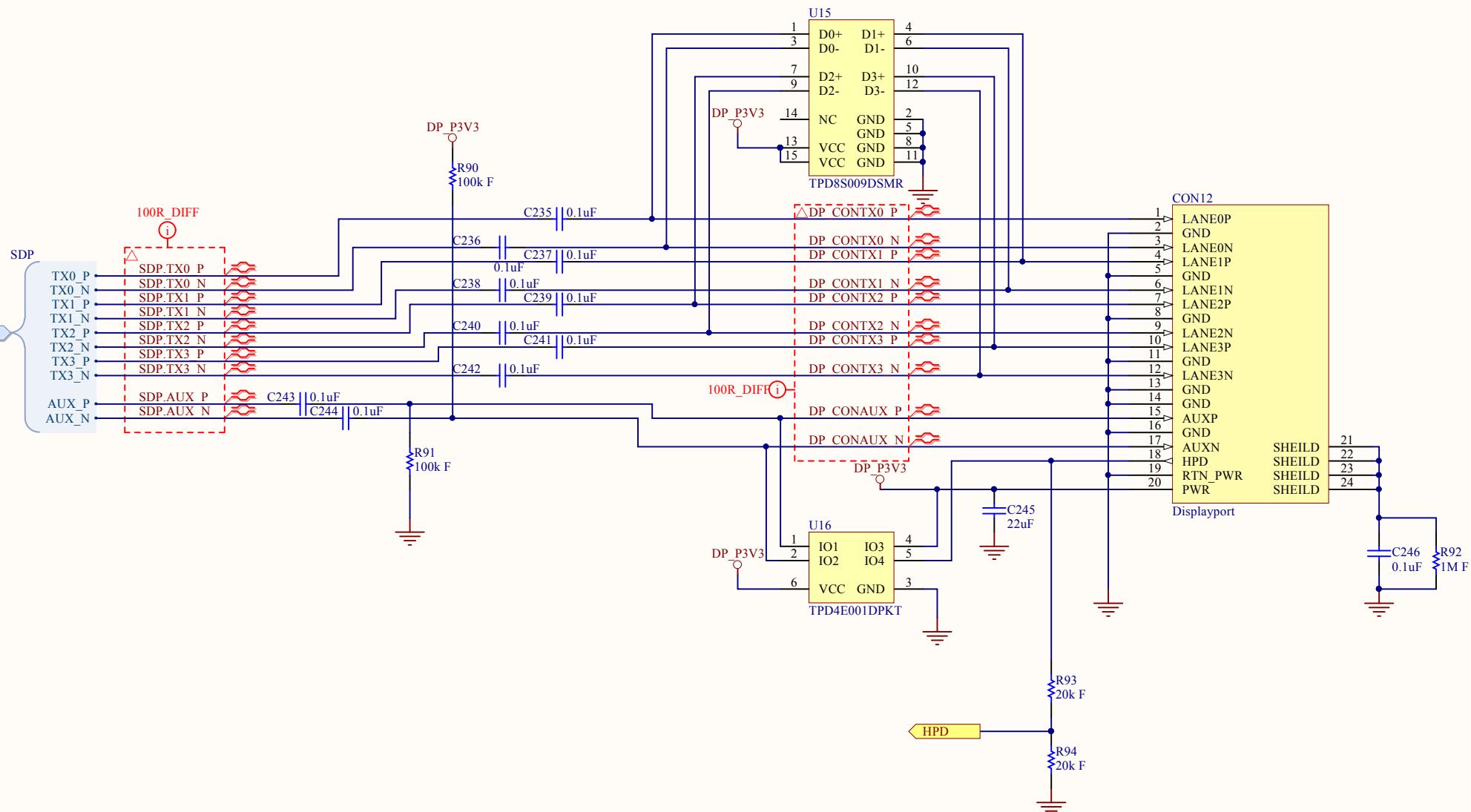
B

C

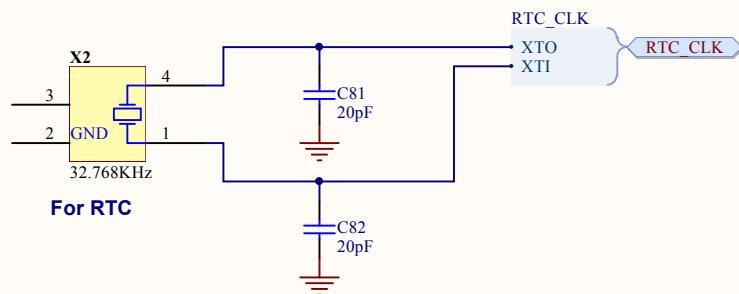
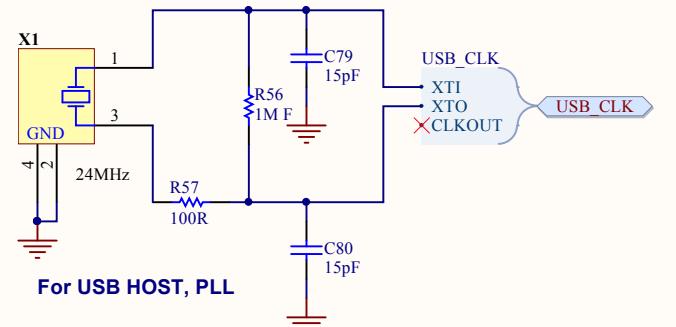
C

D

D

Title **DisplayPort Connector**

Size: A4	Number: 33.	Revision: 0.2
Date: 2014-08-12	Time: 오후 12:29	Sheet 33 of 44
File: D:\hw\hkl\xu2\CON_DISPAPORT.SchDoc		Hardkernel Co., LTD. 704 Anyang K-center 1591-9 Burim, Dongangu, Anyang Kyeonggido South Korea



Title CLK			R&D PART 704 Anyang K-center 1591-9
Size: A4	Number: 34.	Revision: 0.2	Burim Dongan Gu Gyeonggido South Korea
Date: 2014-08-12	Time: 오후 12:29	4Sheet34 of 44	
File: D:\hw\hkl\xu2\CLK.SchDoc			ODROID

A

A

B

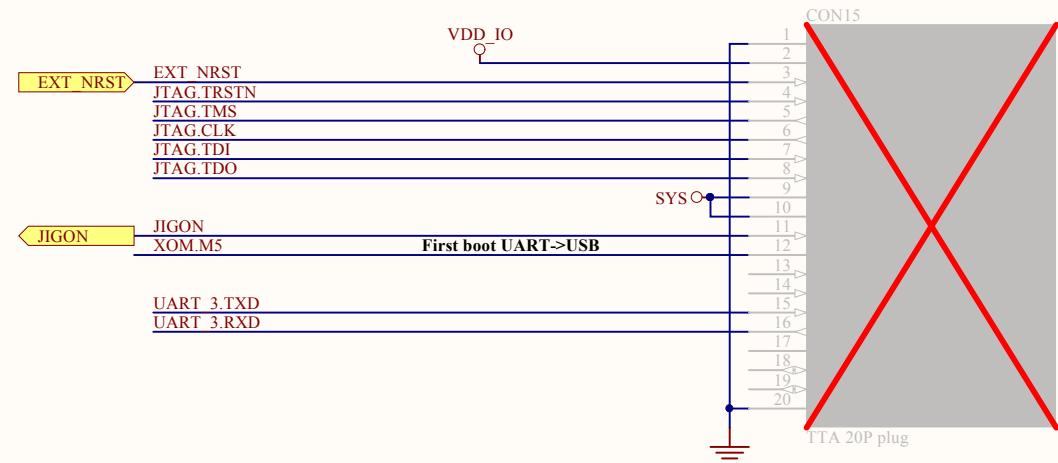
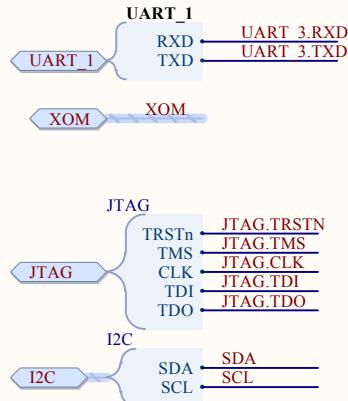
B

C

C

D

D

Title **TTA20P Connector**

Size: A4 Number:35. Revision:0.2

Date: 2014-08-12 Time: 오후 12:29 Sheet 35 of 44

File: D:\hw\hkl\xu2\CON_TTA20.SchDoc

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