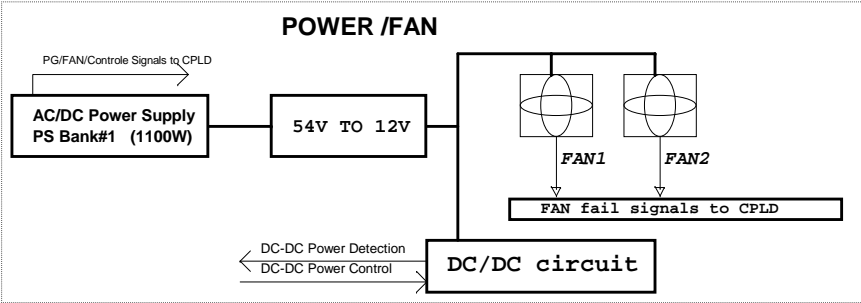


Revision History			PAGE	DATE
V00	Created	PCB Part Number:2976924600		2015.05.11
V01	1. Modify U60 to NC 2. Modify U38 to NC 3. Modify LED3,LED4 to NC		29 30 34	2016.04.08

Page Descriptions
01_ROOT 01_MAIN 02_BLOCK DIAGRAM_1 03_BLOCK DIAGRAM_2 04_PWR Convertor 05_VCC_5V/VCC_3.3V/RESET 06_MAC_AVS_1V/VCC_1V 07_DDR_1.5V/VTT 08_CLOCK 09_BCM56340_IP/DDR 10_BCM56340_MISC/PCI-E 11_BCM56840_GND 12_BCM56340 POWER A 13_BCM56340 POWER B 14_BCM56340_WC/QSGMII 15_Flash/RTC 16_BCM54282_PHY_A 17_BCM54282_PHY_B 18_BCM54282_PHY_C 19_BCM54282_PHY_D 20_BCM54282_PHY_E 21_BCM54285_PHY_F 22_RJ45 Bank P01 ~ P12 23_RJ45 Bank P13 ~ P24 24_RJ45 Bank P25 ~ P36 25_RJ45 Bank P37 ~ P48 26_SFP_P47~P48 27_BCM84752_PHY 28_SFP+_P1~P2 29_CONNETOR_TO_MODULE 30_Stacking_CONN 31_CPLD 32_POE_I2C_MB-DB CNT 33_OOB_BCM54616S 34_Console/Manage board 35_Fan Control 36_200W_PWR_BRD_1 37_200W_PWR_BRD_2 38_1100W_PSU_Protect_1 39_1100W_PSU_Protect_2

	SCHEMATICS OF	FILE NAME	DRAWN	DESIGNED	CHECKED	APPROVED

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Size	Document Number	Rev
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Date:	Friday, April 08, 2016	Sheet 1 of 39

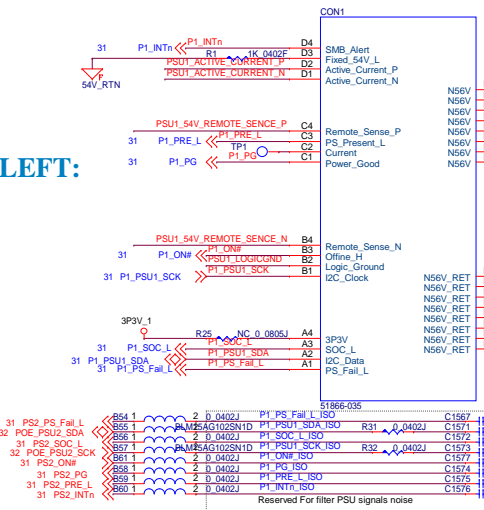


Agema Systems, INC.

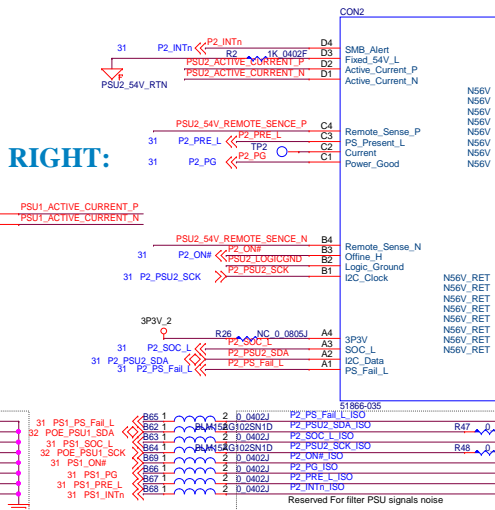
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Size	Document Number	Rev
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Date:	Friday, April 08, 2016	Sheet 3 of 39

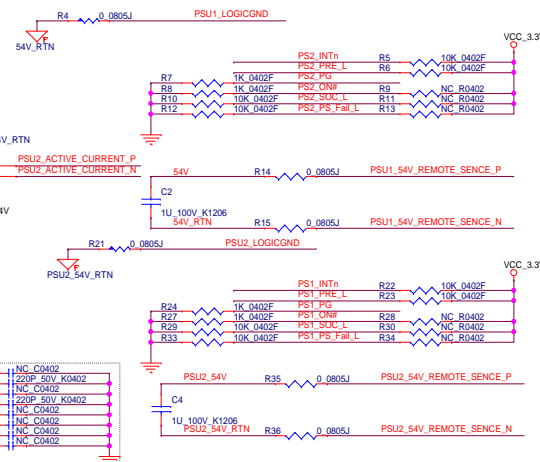
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RIGHT:

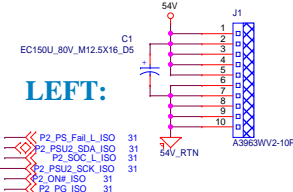


PSU CONNECTOR FOR POE(NC on 6448)

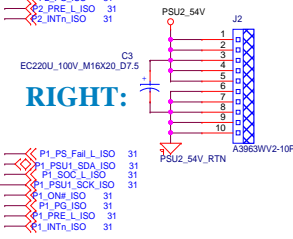


POE Board Power Connector

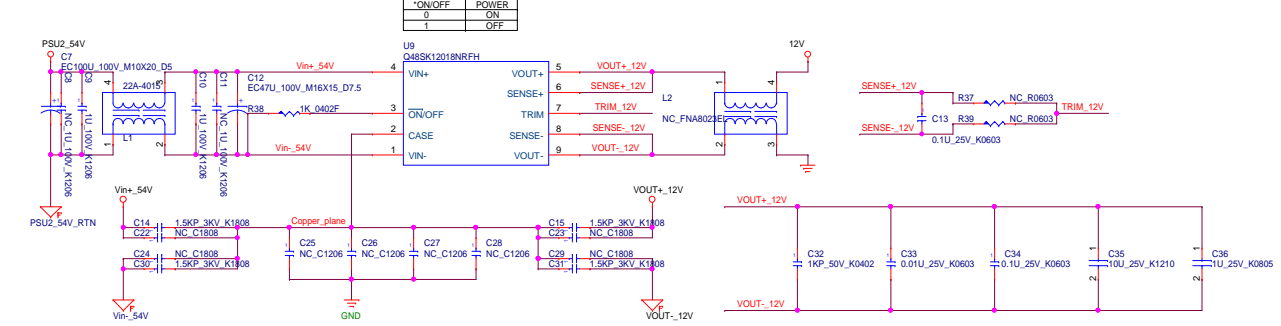
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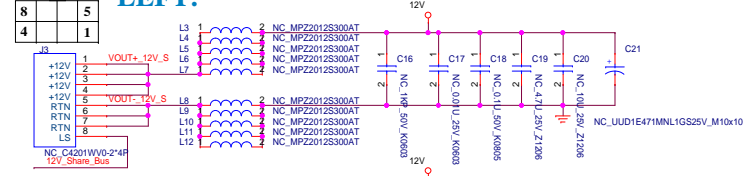


54V TO 12V(NC on 6448)

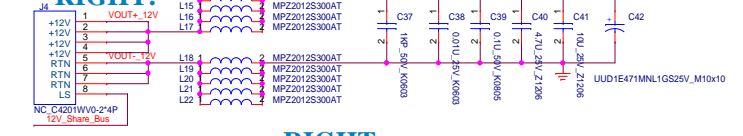


For None-POE (Some parts would be NC on 6448P)

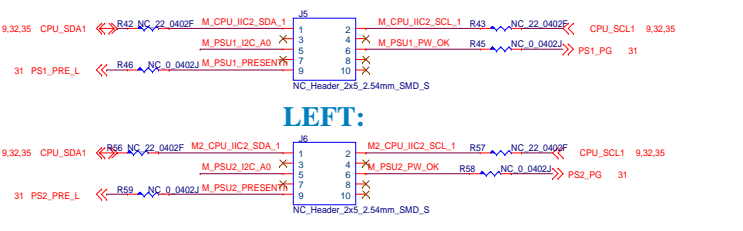
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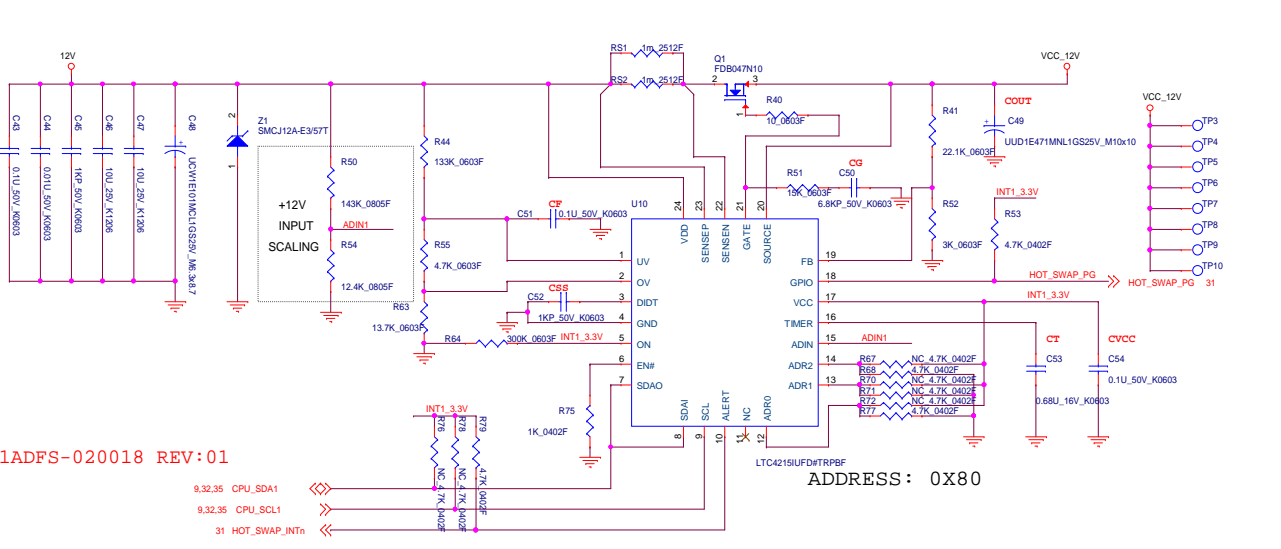
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RIGHT:



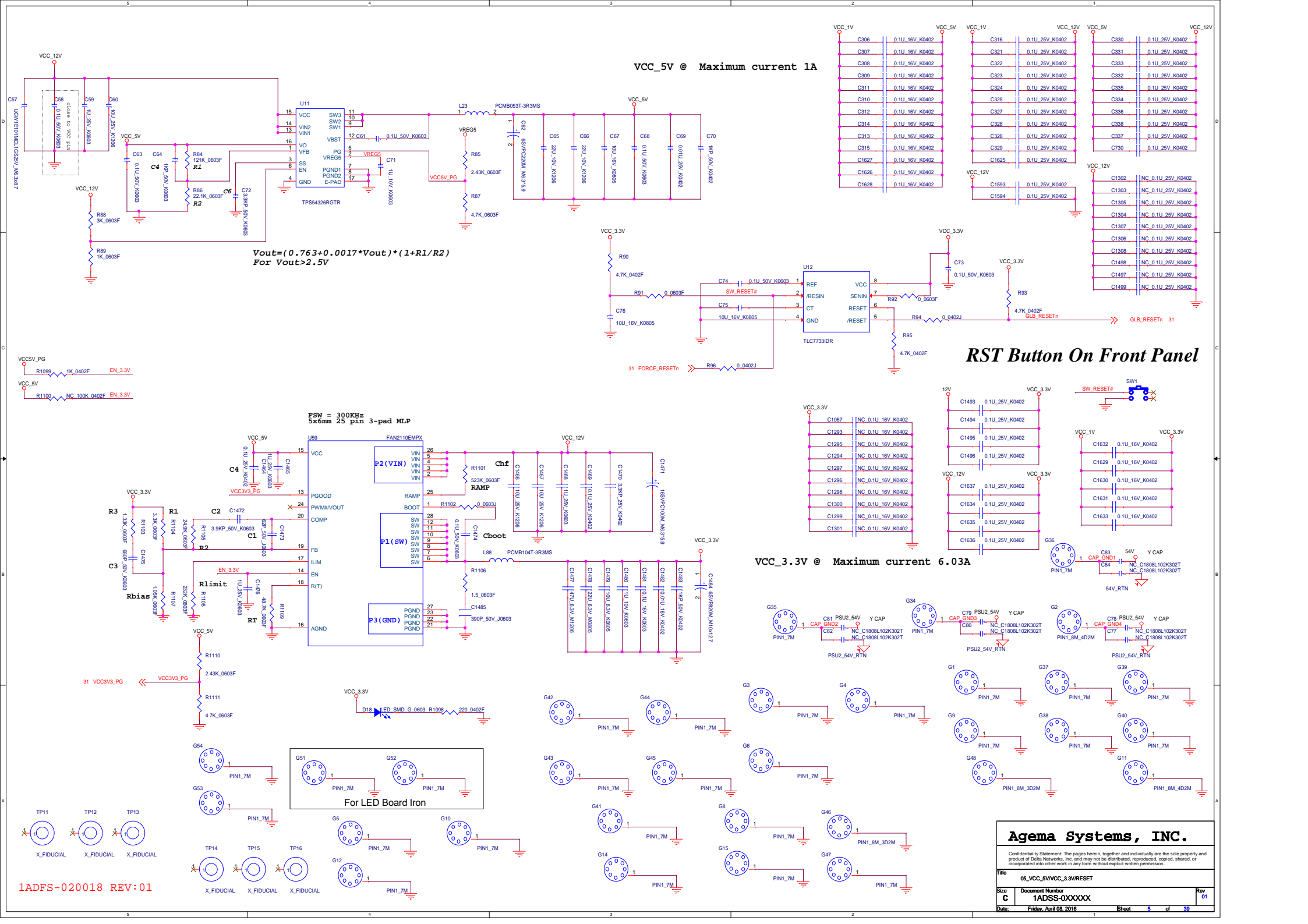
Power Monitor

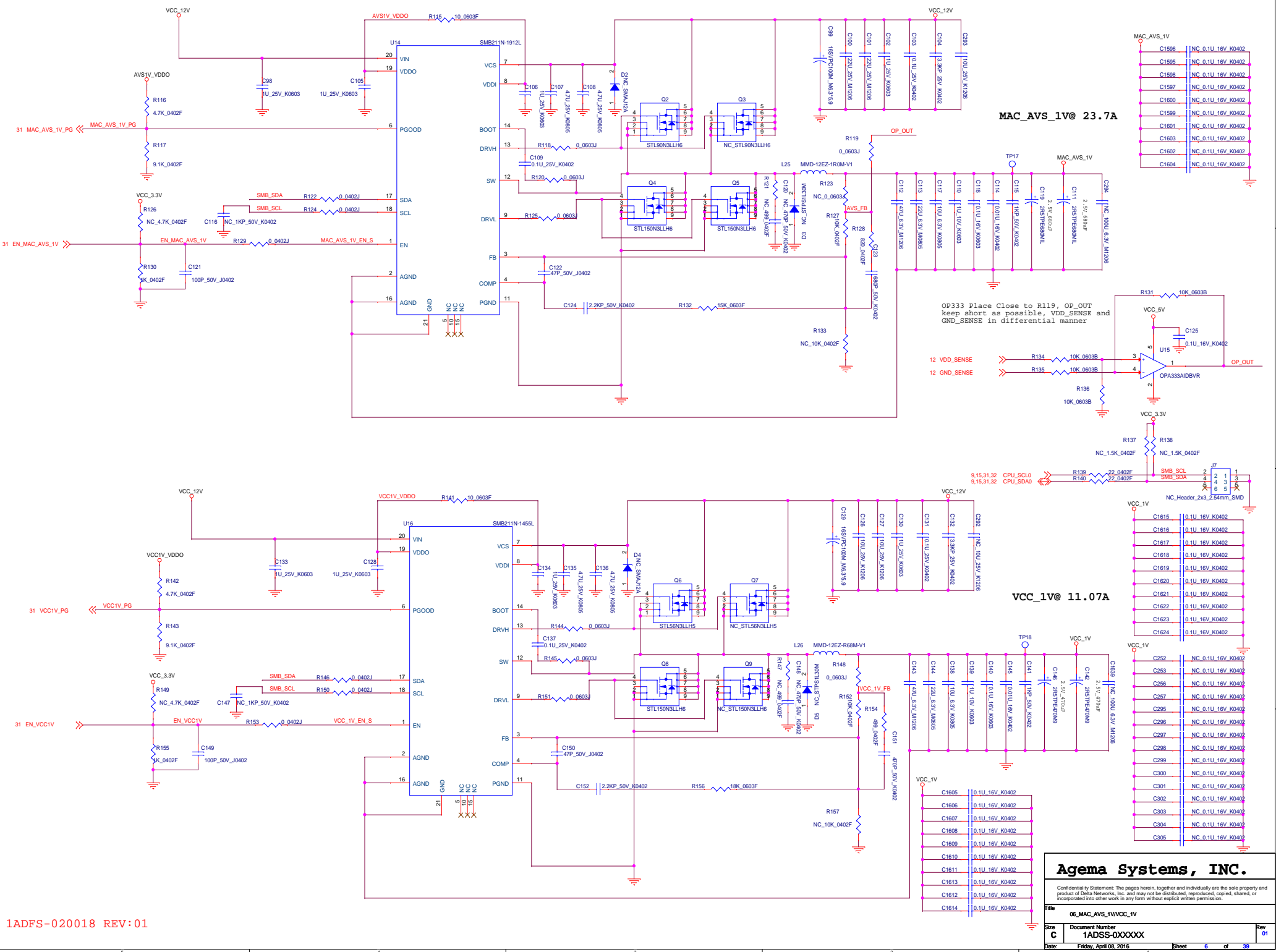


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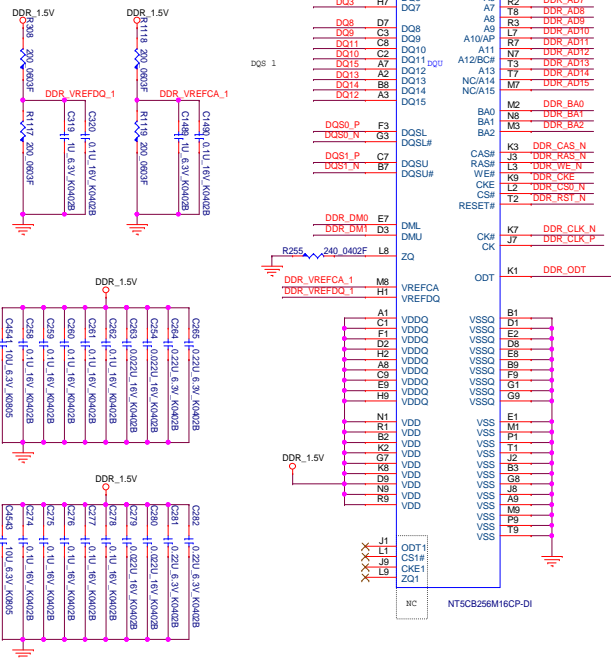
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Size	Document Number	1ADSS-0XXXXX
C		Rev 01
Date:	Friday, April 08, 2016	Sheet 4 of 39

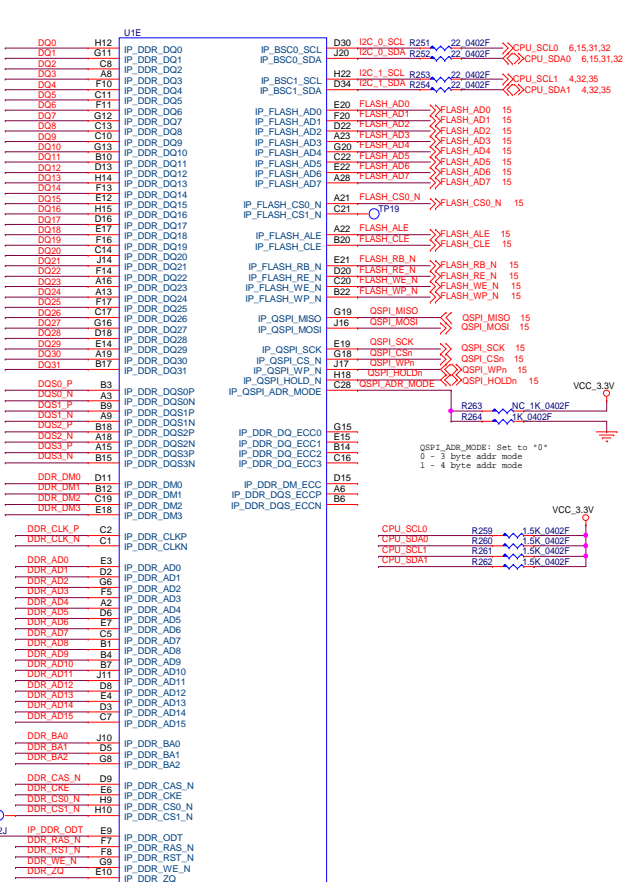
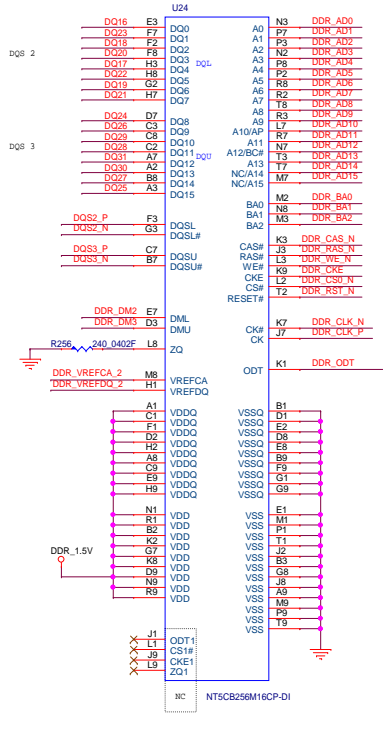
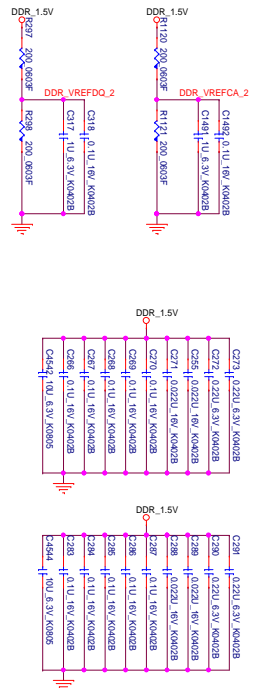




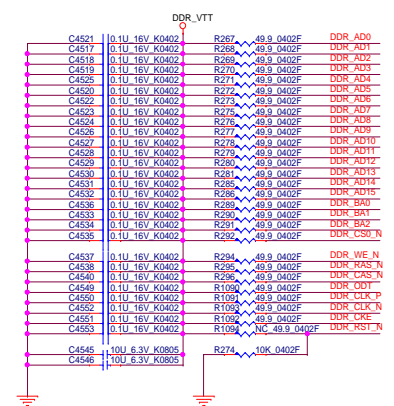
close to DDR



close to DDR

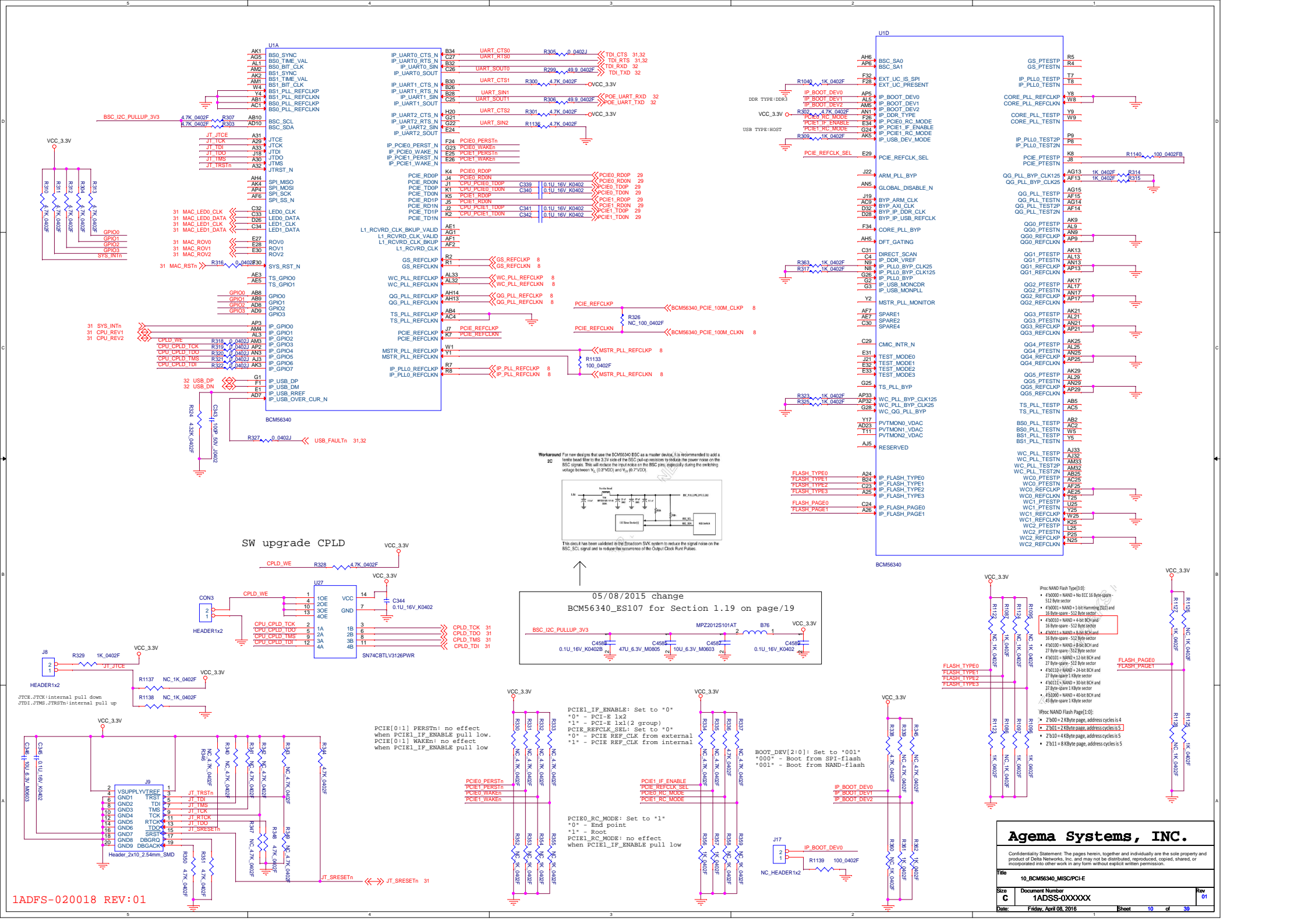


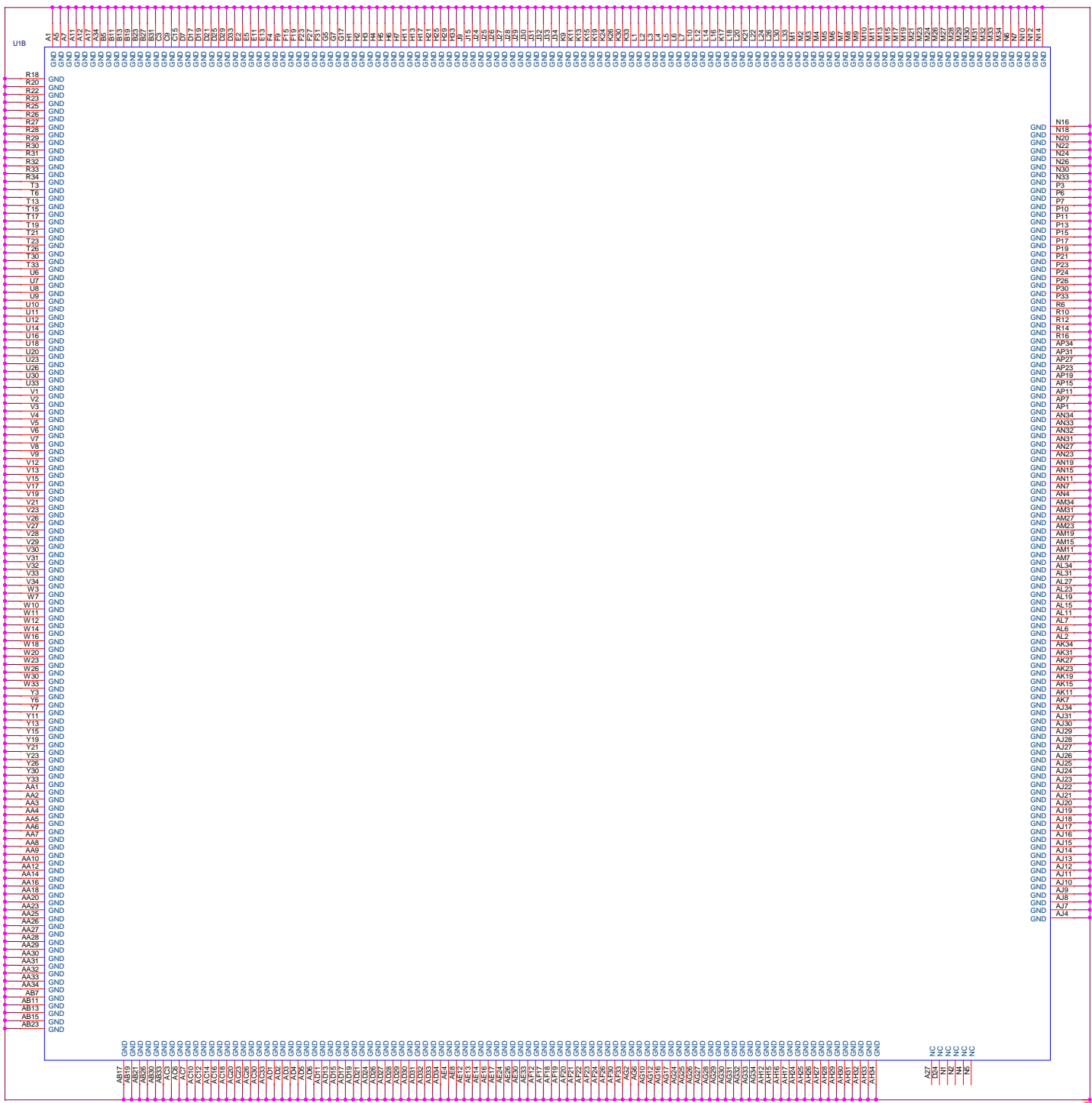
ADDR/CMD Vtt termination



Note:

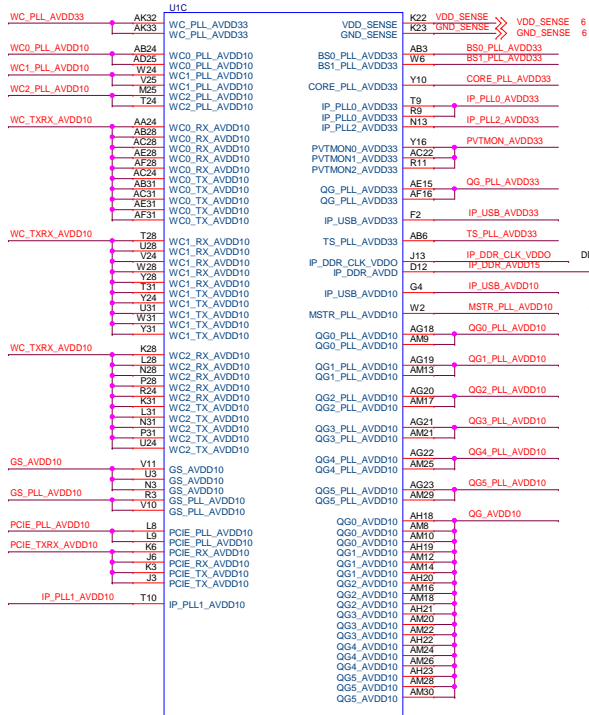
1. ADDR/ CMD are terminated to Vtt.
2. 128Mb*16 DDR3 die only use A0~A13.



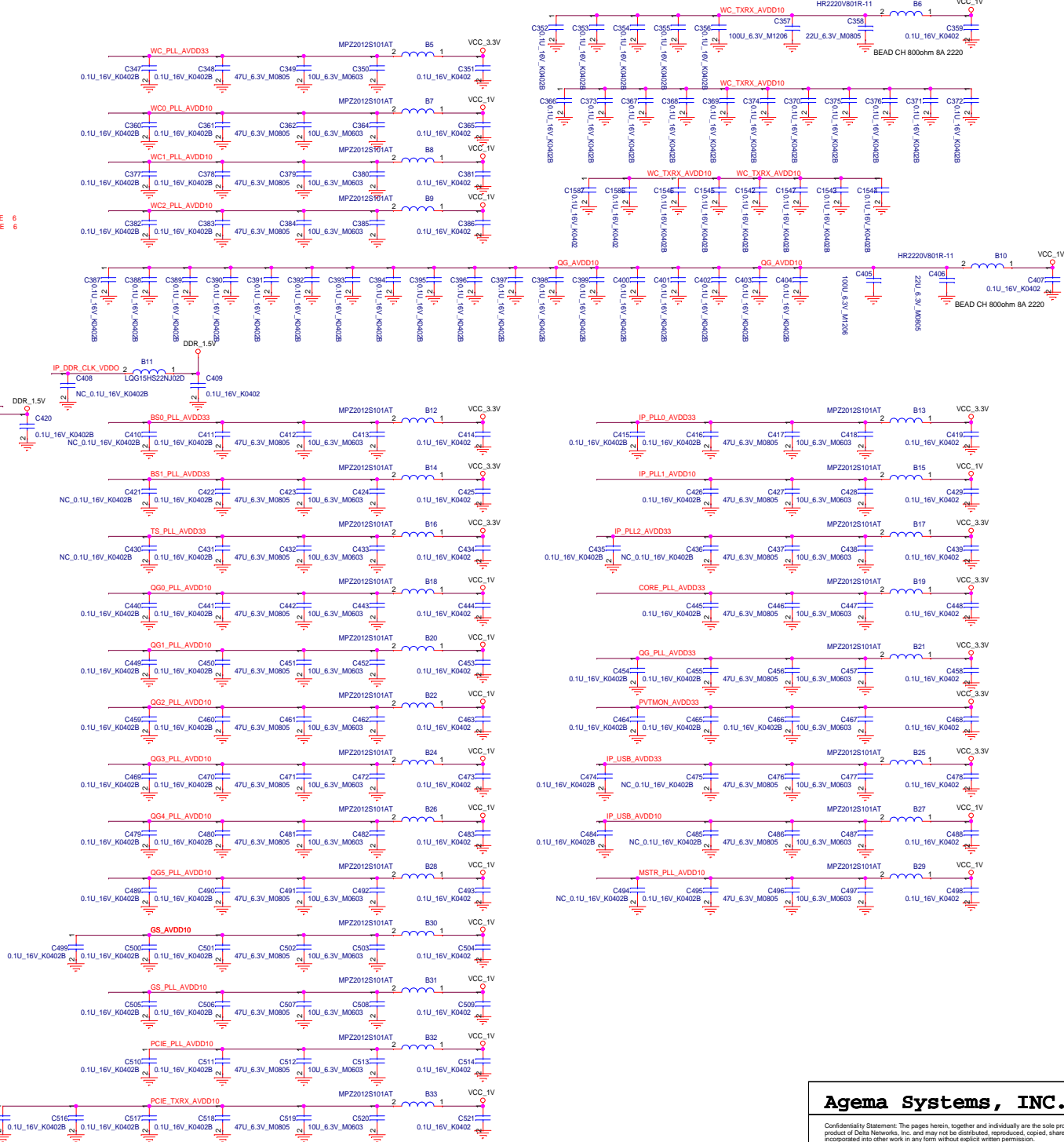


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11_BCM56340_GND			
Size	Document Number	Rev	
C	1ADSS-0XXXXX	01	
Date:	Friday, April 08, 2016	Sheet	11 of 39



BCM56340

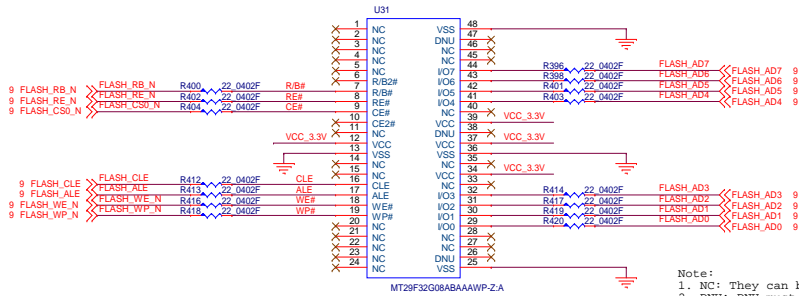


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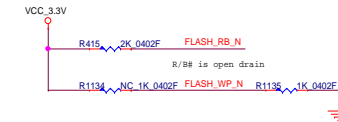
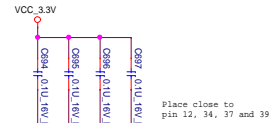
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Title		12_BCM56340 POWER A
Size	Document Number	1ADSS-0XXXXX
C		01
Date:	Friday, April 08, 2016	Sheet 12 of 39

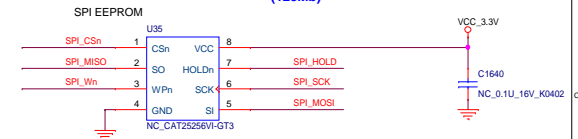
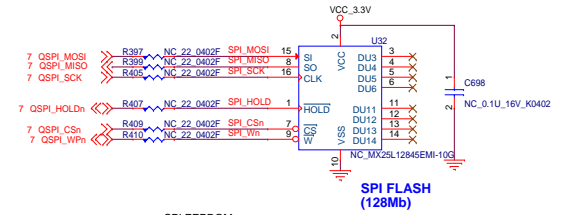
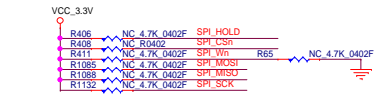
NAND Flash (256MB(2Gb)*8) =>Booted flash



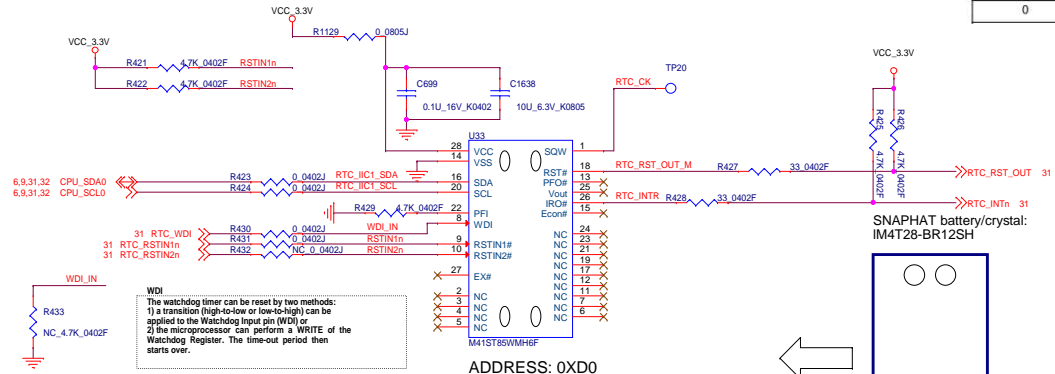
- Note:
1. NC: They can be driven or left unconnected.
 2. DNU: DNU must be left unconnected.
 3. For the 3V device, pin 38 is DNU. For the 1.8V device, pin 38 is LOCK.
 4. R/B# and CE2# are available on 16Gb device only.
 5. R/B# is open drain. Require an external pull up resistor.



SPI Flash (Reserved for debug)



RTC @ I2C Channel 1



WDI_IN
The watchdog timer can be reset by two methods:
1) a transition (high-to-low or low-to-high) can be applied to the Watchdog Input pin (WDI) or
2) the microprocessor can perform a WRITE of the Watchdog Register. The time-out period then starts over.

ADDRESS: 0XD0

Square Wave Output

The M41ST85Y/W offers the user a programmable square wave function which is output on the SQW pin. RS3-RS0 bits located in 13h establish the square wave output frequency. These frequencies are listed in Table 10. Once the selection

of the SQW frequency has been completed, the SQW pin can be turned on and off under software control with the Square Wave Enable Bit (SQWE) located in Register 0Ah.

Table 10. Square Wave Output Frequency

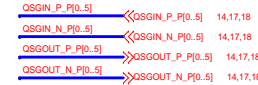
Square Wave Bits				Square Wave	
RS3	RS2	RS1	RS0	Frequency	Units
0	0	0	0	None	—
0	0	0	1	32.768	kHz

SNAPHAT battery/crystal:
IM4T28-BR12SH

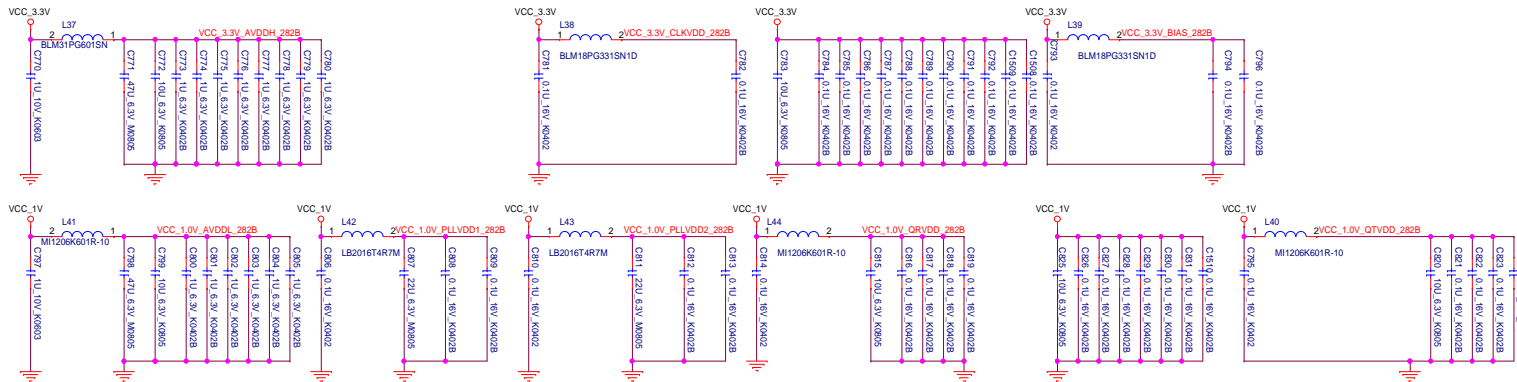
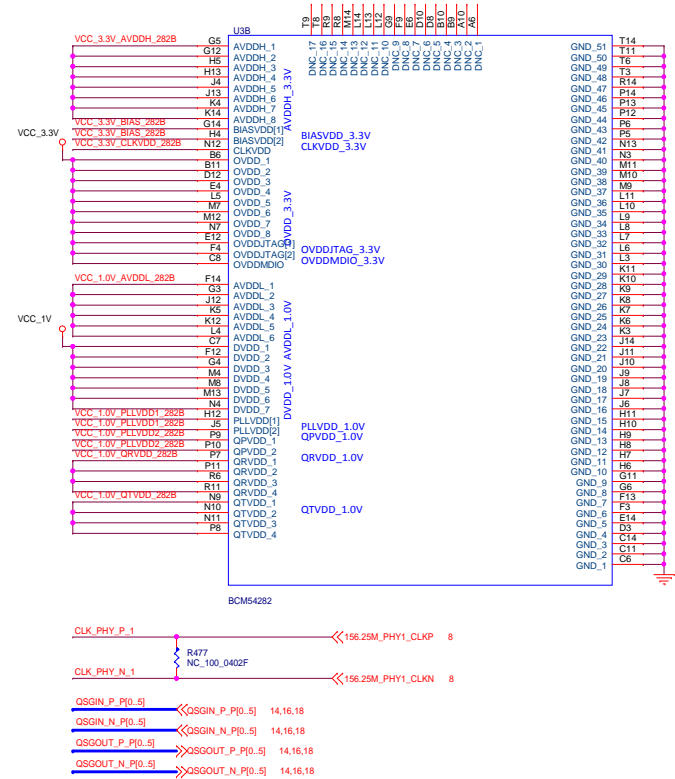
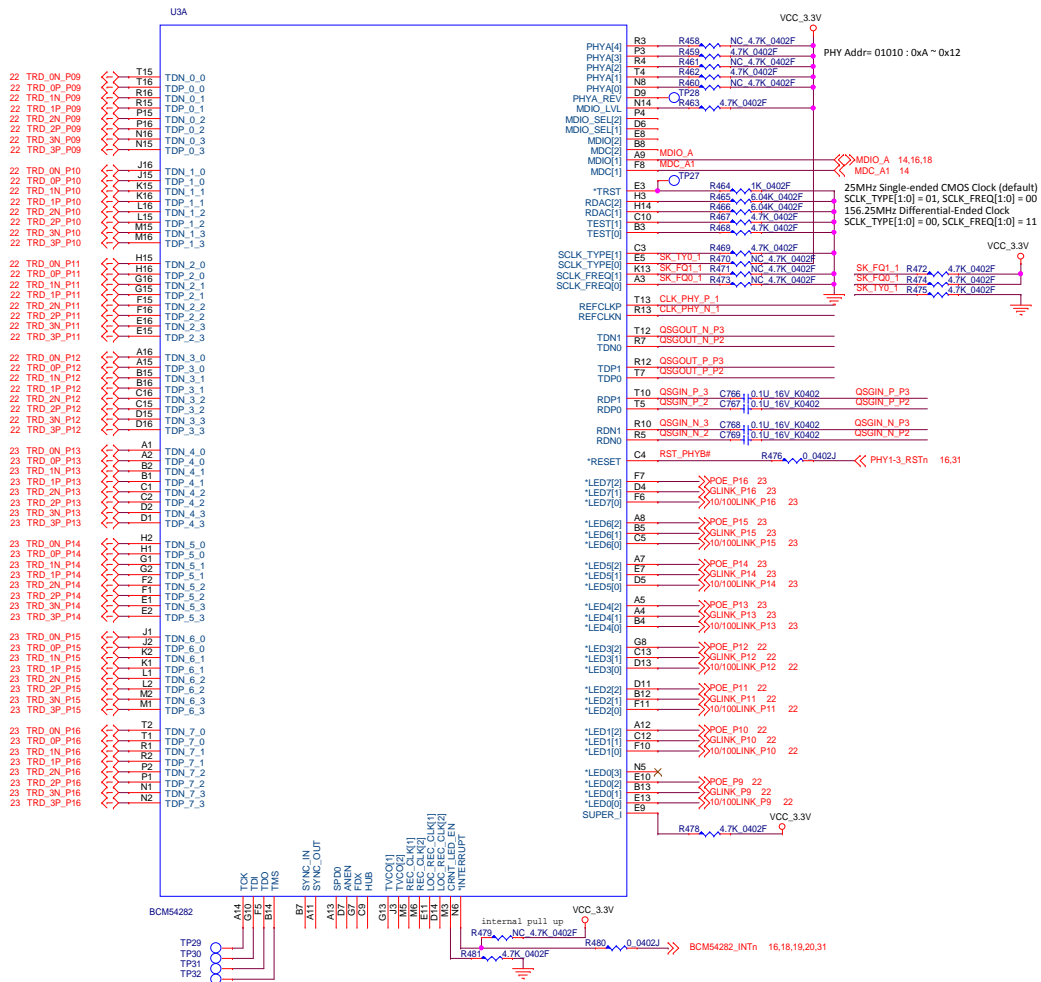
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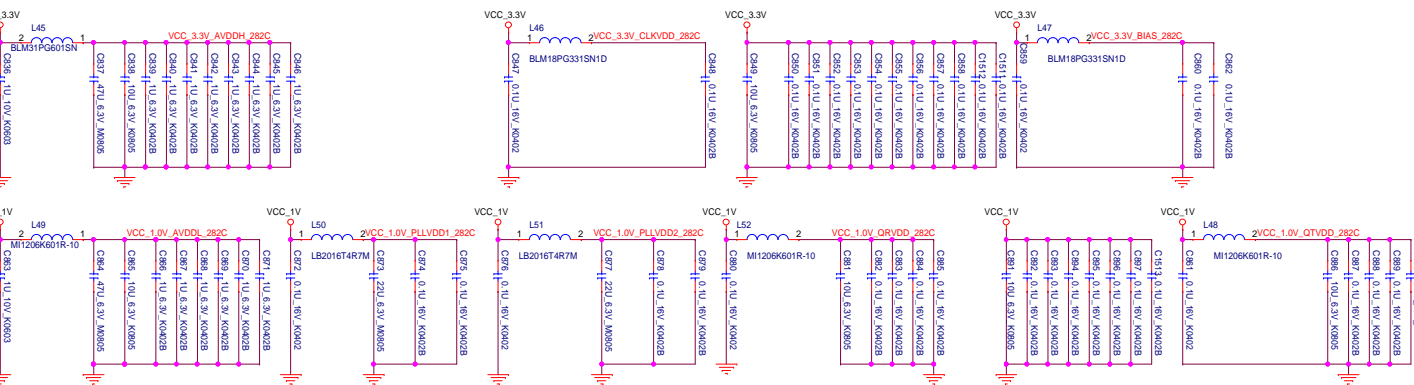
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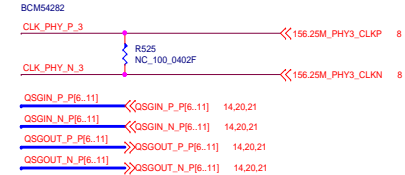
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Size	Document Number	1ADSS-0XXXXX	
Date	Friday, April 08, 2016	Sheet	15 of 39

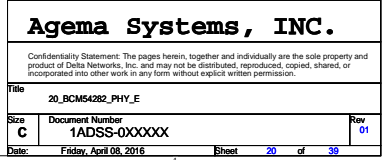


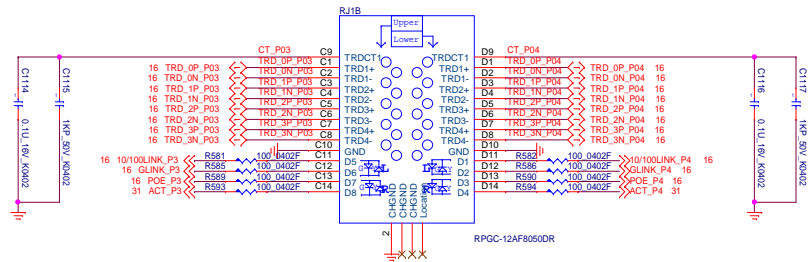
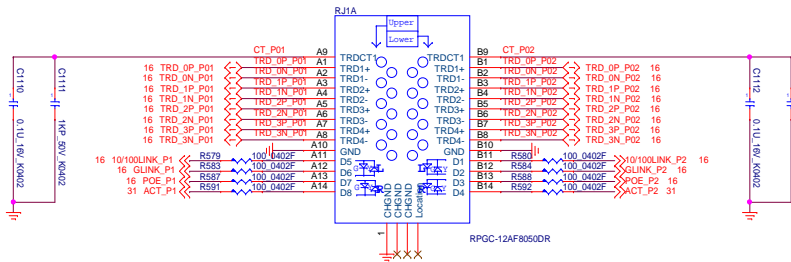
1ADFS-020018 REV:01



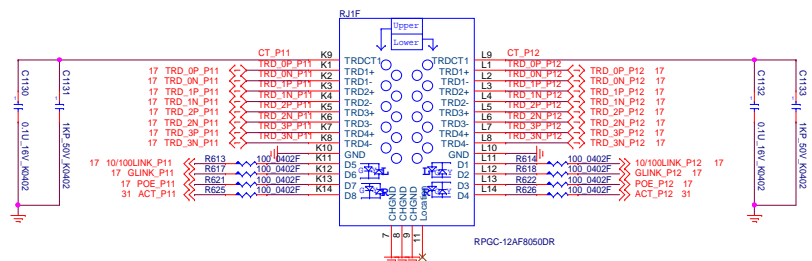
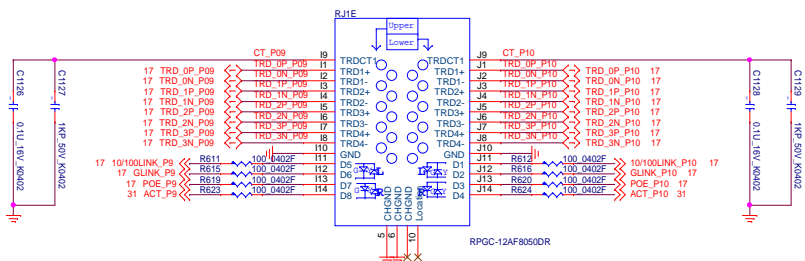
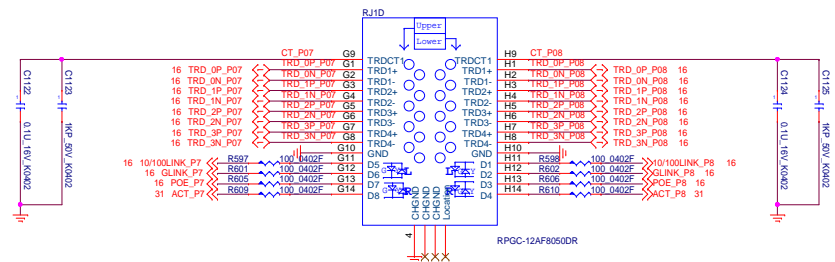
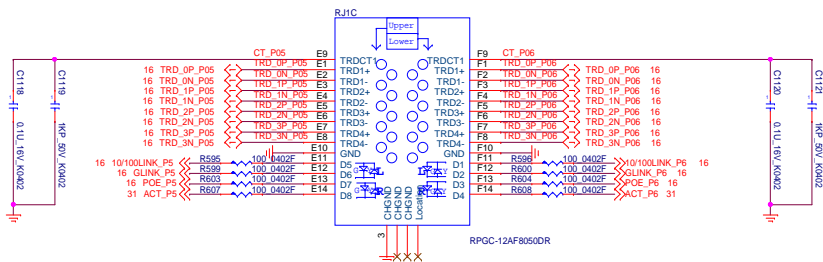








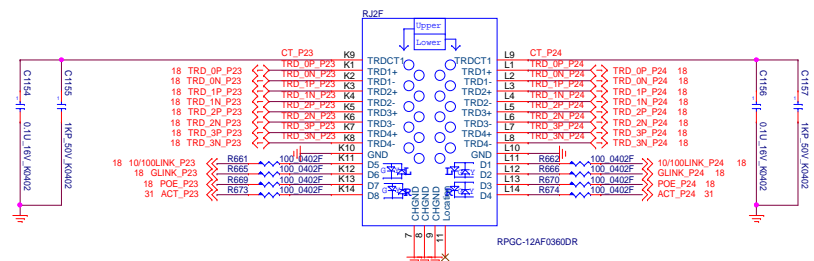
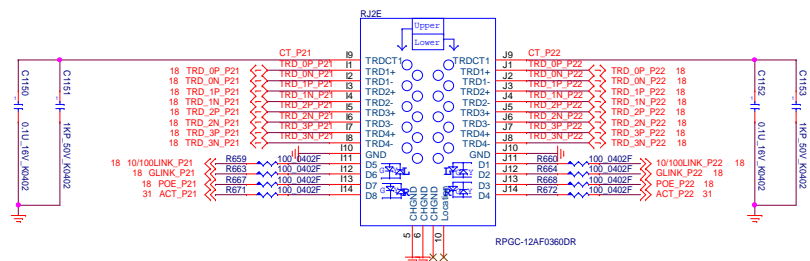
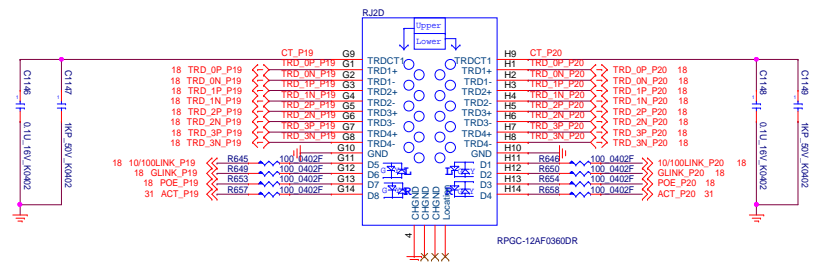
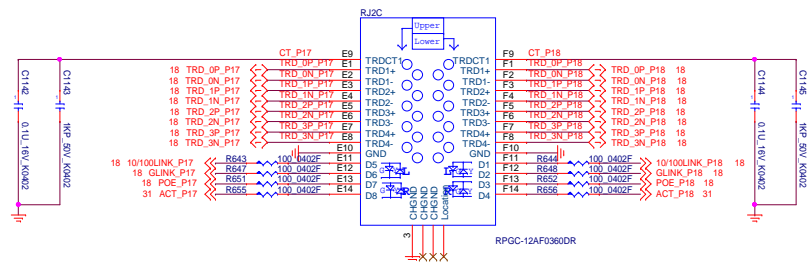
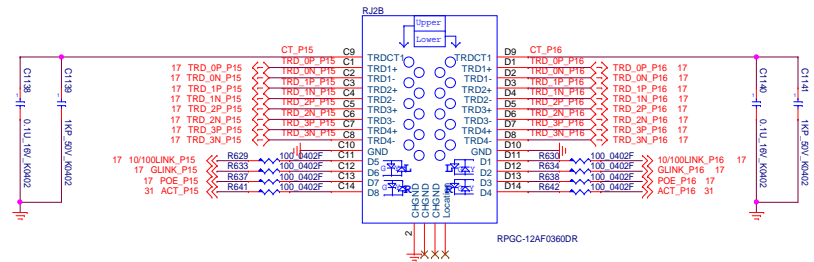
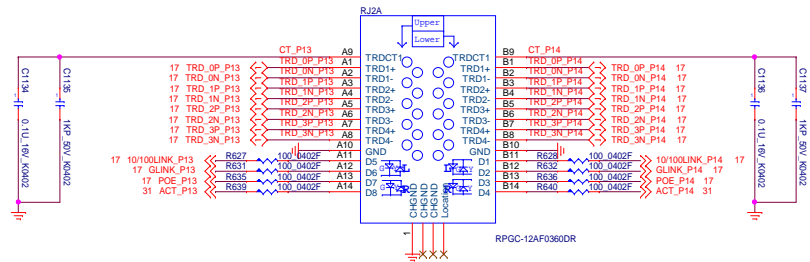
RPGC-12AF8050DR : GIGA & UPOE
RPGC-12AF0360DR(3072452497): GIGA & POE+
RJGE-12BA6070DR(3072452597): GIGA & None POE



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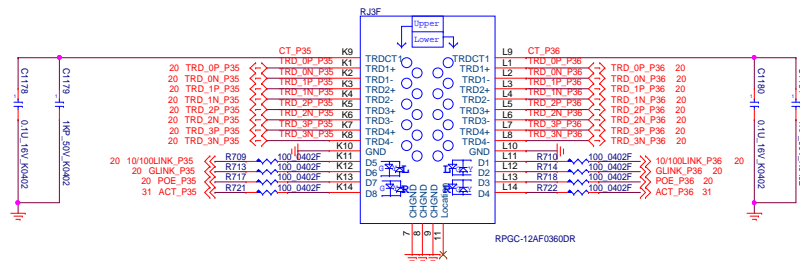
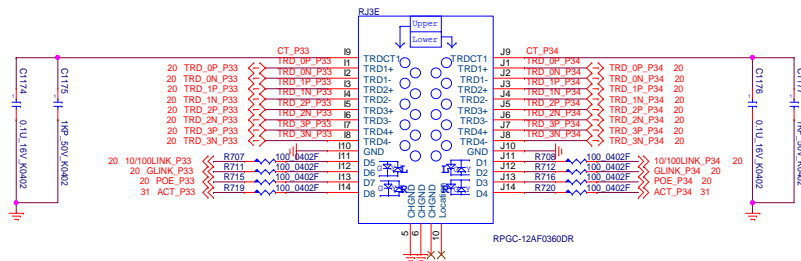
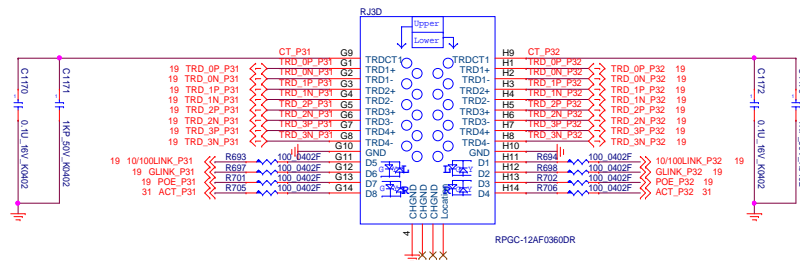
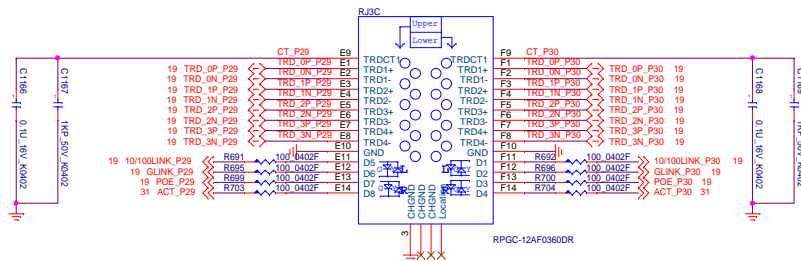
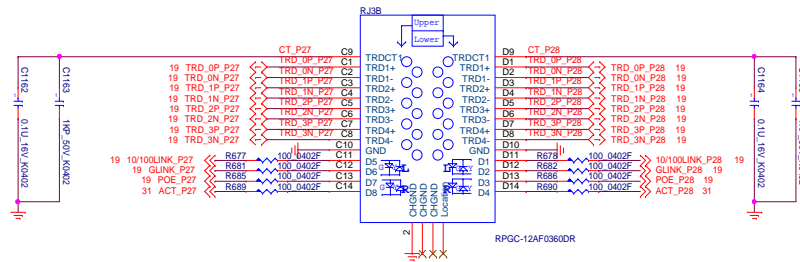
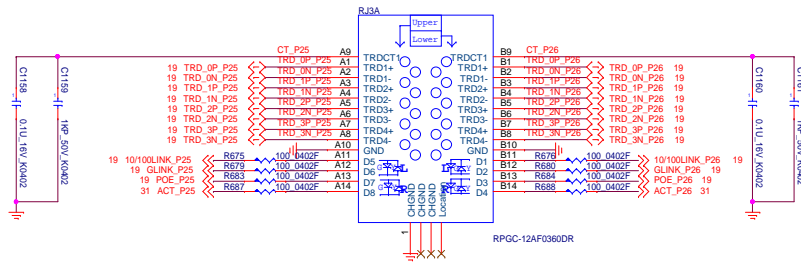
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Size	Document Number		
C	1ADSS-0XXXXX	Rev 01	
Date:	Friday, April 08, 2016	Sheet	22 of 39



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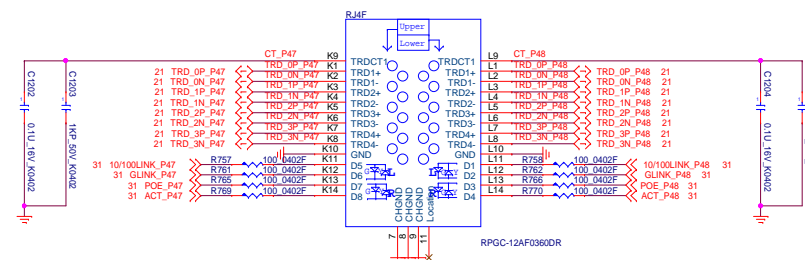
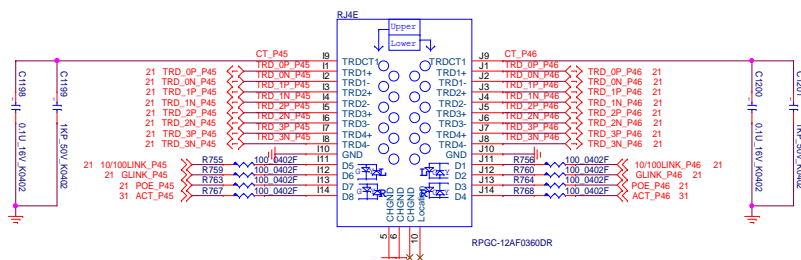
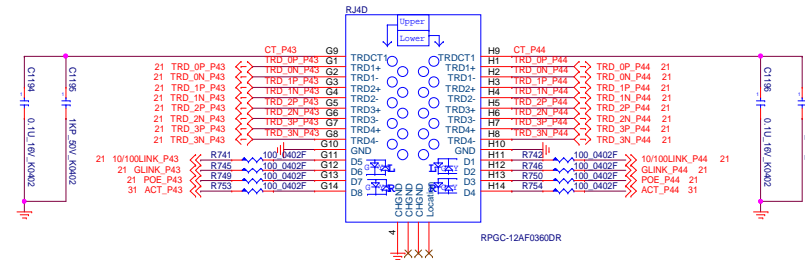
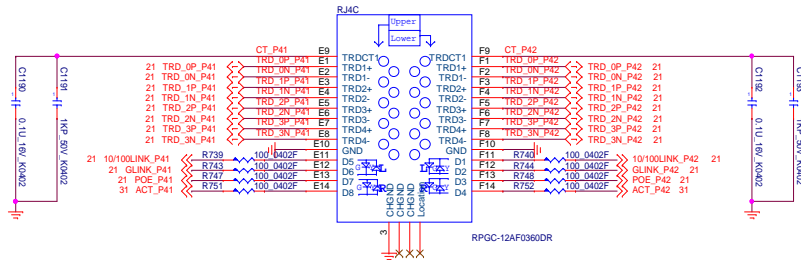
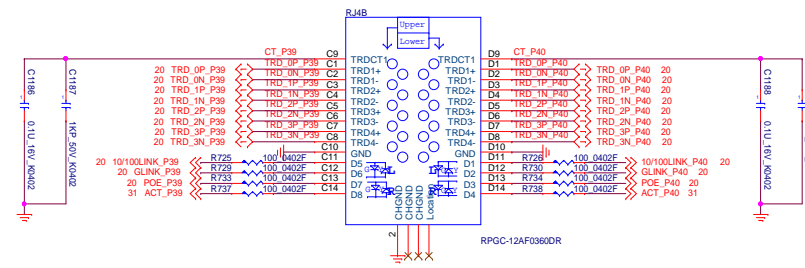
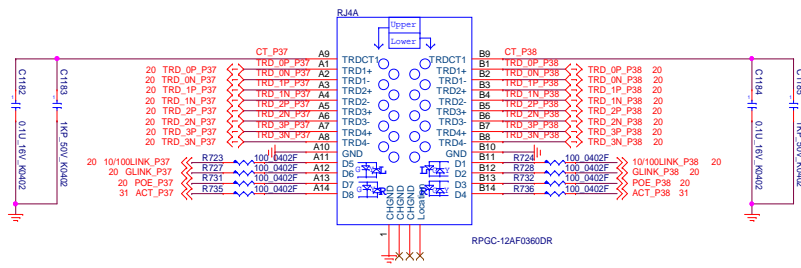
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Size	Document Number	1ADSS-0XXXXX	Rev 01
Date	Friday, April 08, 2016	Sheet 23 of 39	



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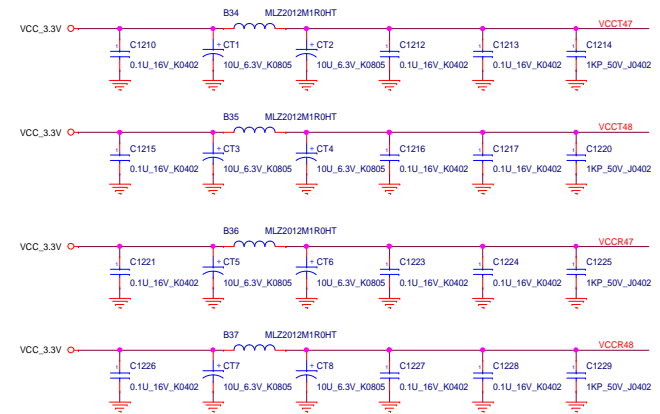
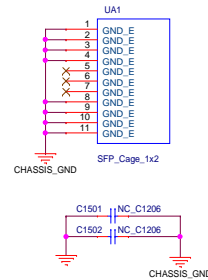
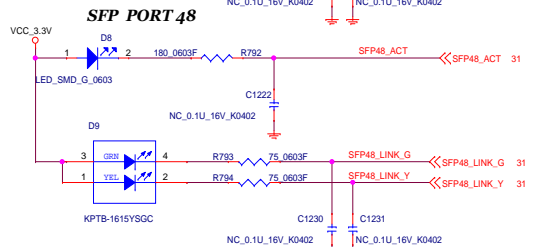
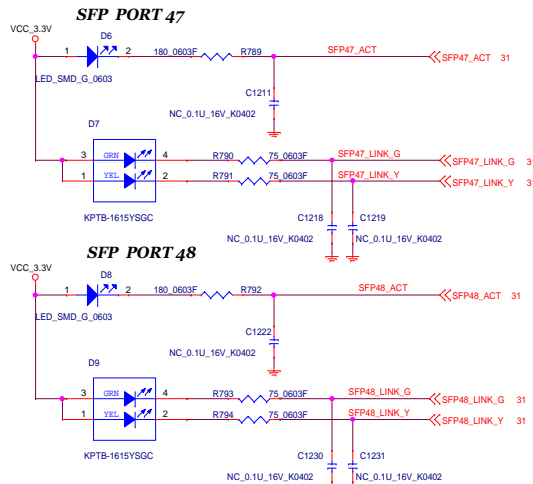
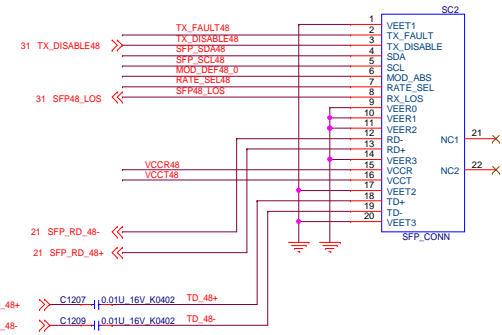
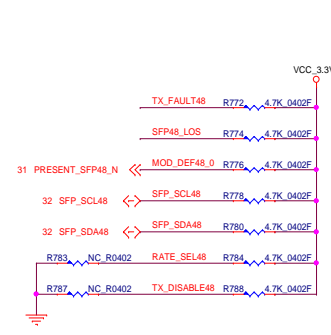
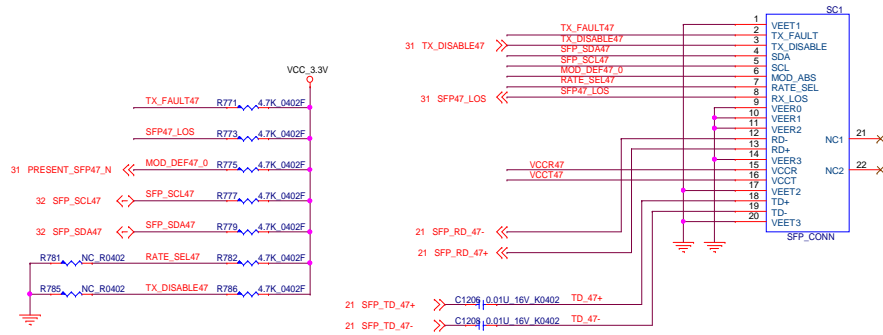
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Size		Document Number
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Date:	Friday, April 08, 2016	Sheet 24 of 39
Rev		01



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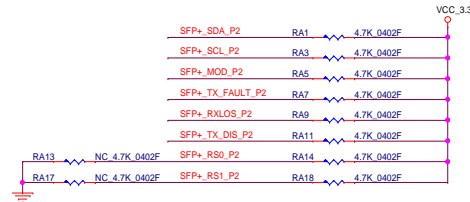
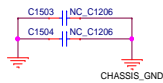
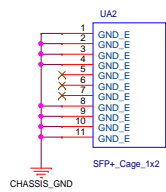
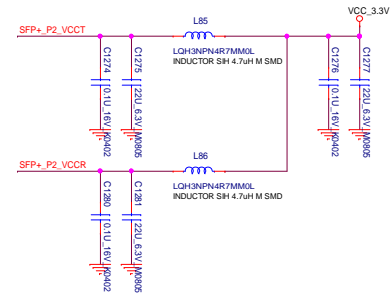
File	25_RJ45 Bank P37 - P48		
Size	Document Number		
C	1ADSS-0XXXXX	Rev 01	
Date:	Friday, April 08, 2016	Sheet	25 of 39



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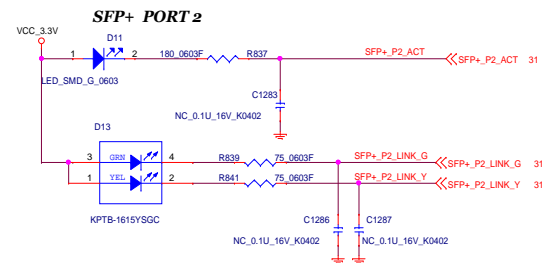
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Size			Document Number
C			1ADSS-0XXXXX
Date:	Friday, April 08, 2016	Sheet	26 of 39
Rev			01



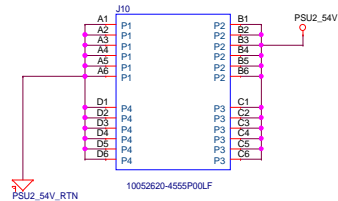
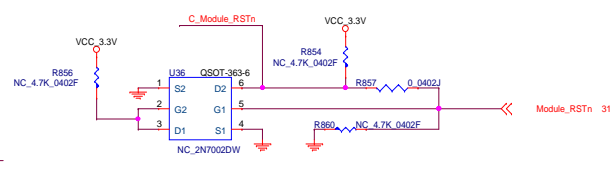
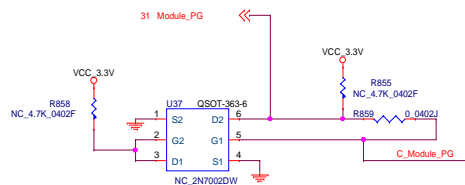
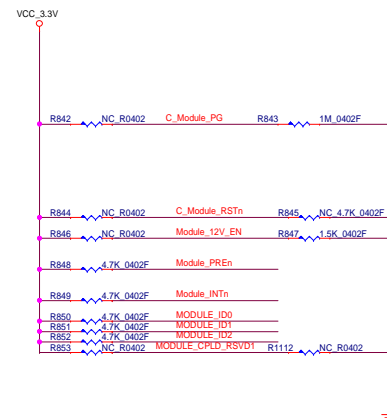
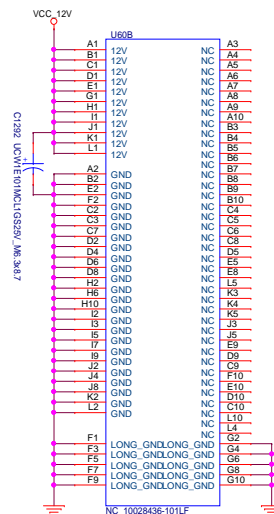
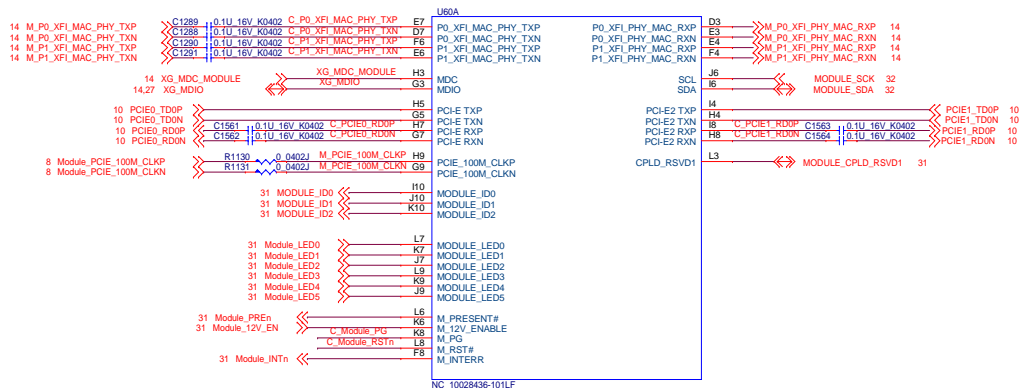
RS0 Rate Select 0, optionally controls SFP+ module receiver. When High input data rate > 4.25 Gb/s and when LOW input data rate < 4.25 Gb/s.

RS1 Rate Select 1, optionally controls SFP+ transmitter. When High input data rate > 4.25 Gb/s and when LOW input data rate < 4.25 Gb/s.



1ADFS-020018 REV:01

Non populated on AG6248C POE-R



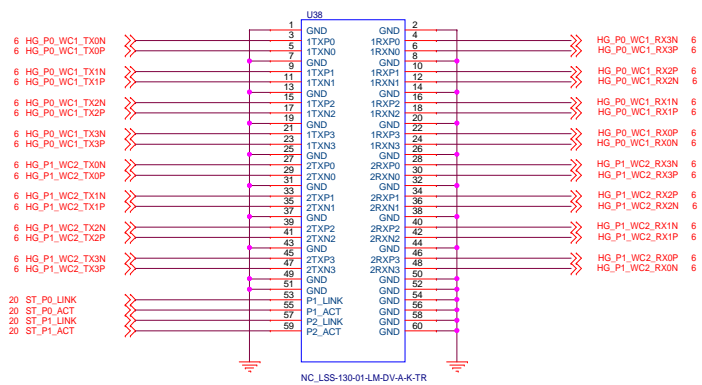
Support Future PoE (Only on POE Model)

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File		
29_CONNECTOR_TO_MODULE		
Document Number		
1ADSS-0XXXXX		
Size	Rev	
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Date:	Friday, April 08, 2016	Sheet 29 of 39

Non populated on AG6248C POE-R

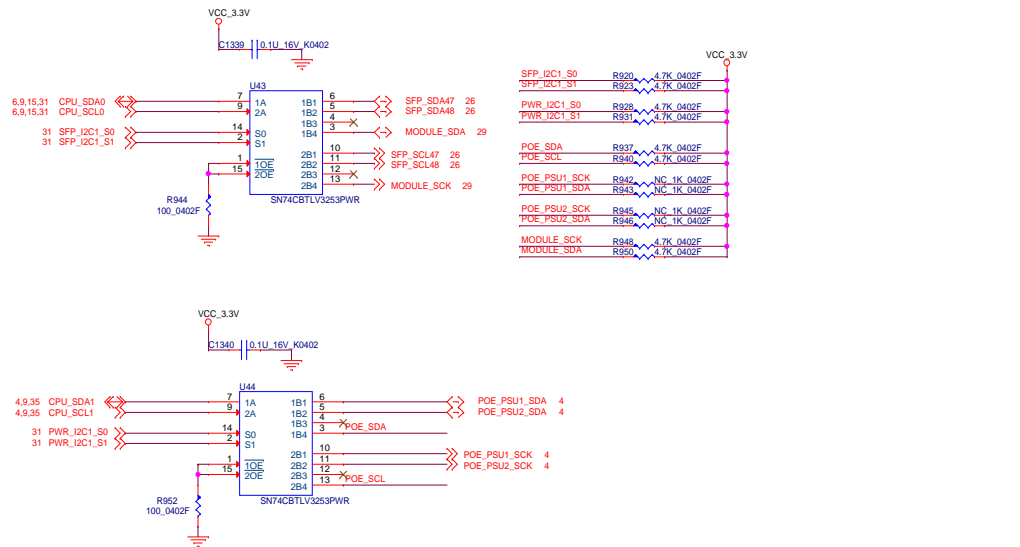


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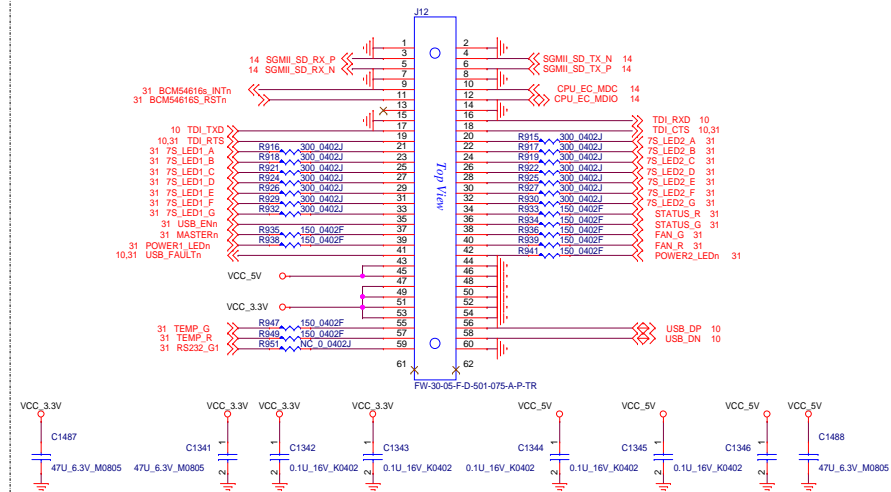
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Title		
30_Stacking_CONN		
Size	Document Number	Rev
C	1ADSS-0XXXXX	01
Date:	Friday, April 08, 2016	Sheet 30 of 39

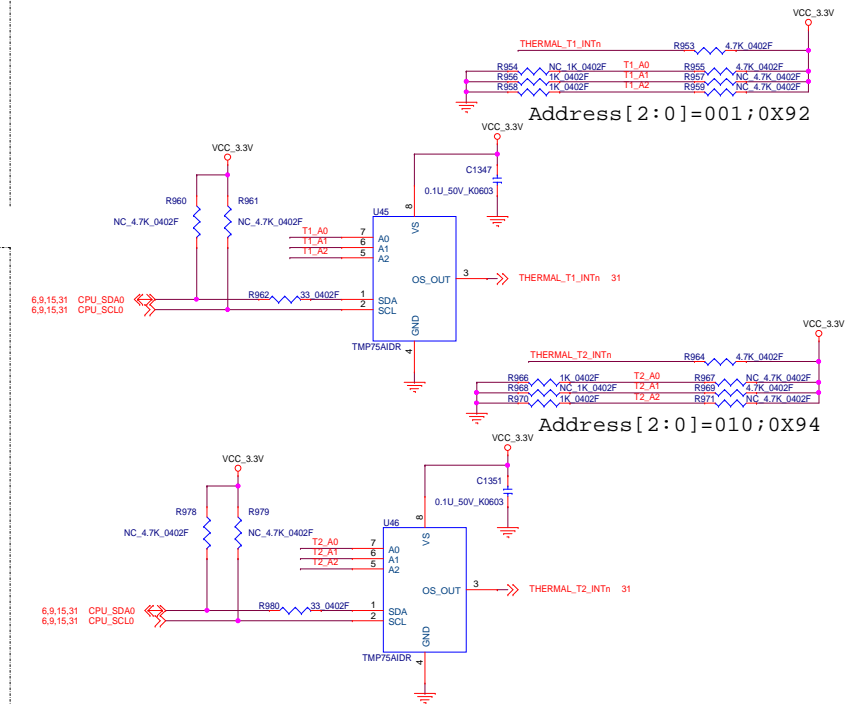
I2C Control Switch



MB-DB Connector



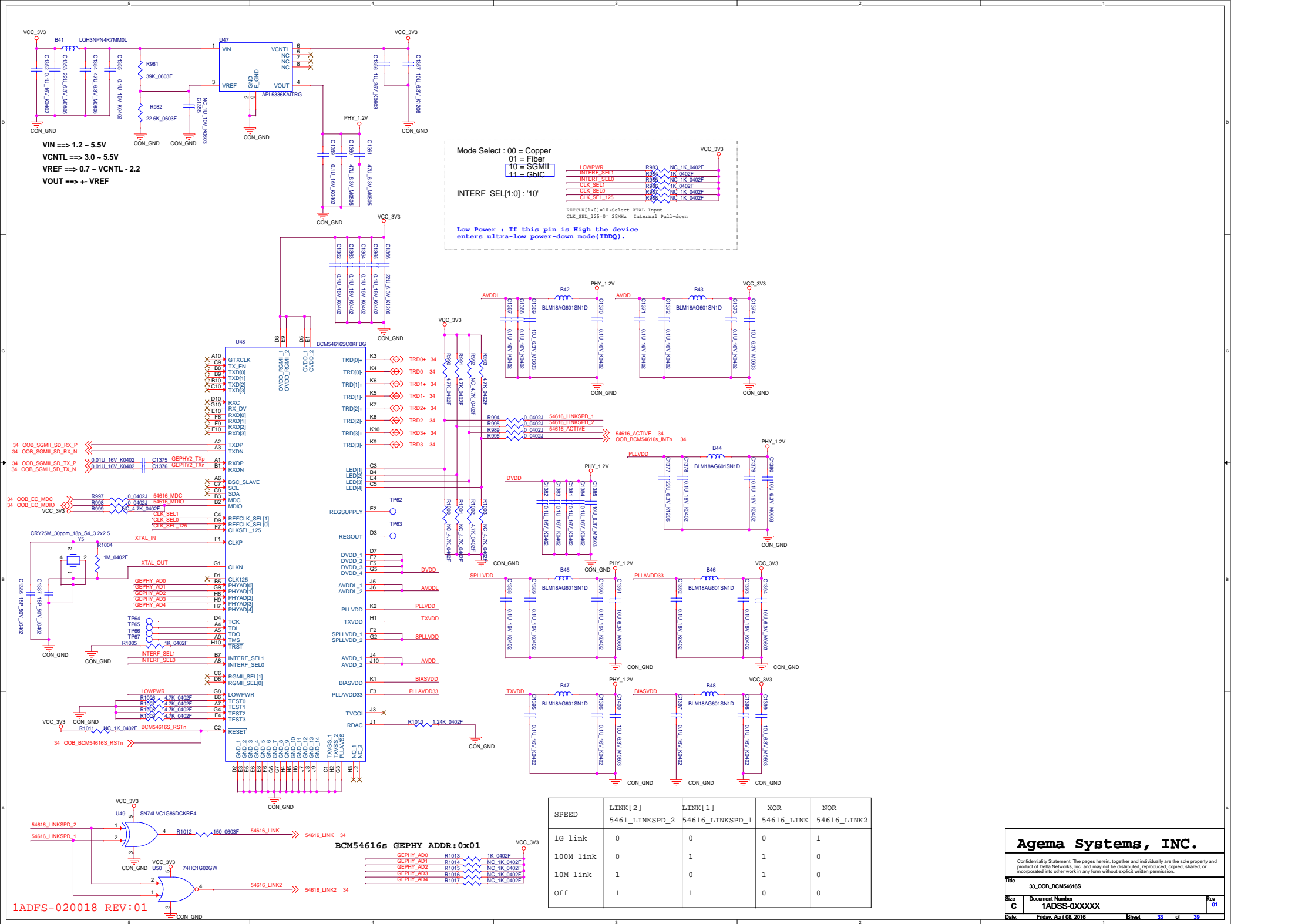
Thermal Sensor

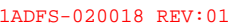


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File		
32_POE_I2C_MB-DB CNT		
Size	Document Number	Rev
C	1ADSS-0XXXXX	01
Date:	Friday, April 08, 2016	Sheet 32 of 39





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Title			
34_Console/Manage board			
Size	Document Number	Rev	
C	1ADSS-0XXXXX	01	
Date:	Friday, April 08, 2016	Sheet	34 of 39

For None-POE

