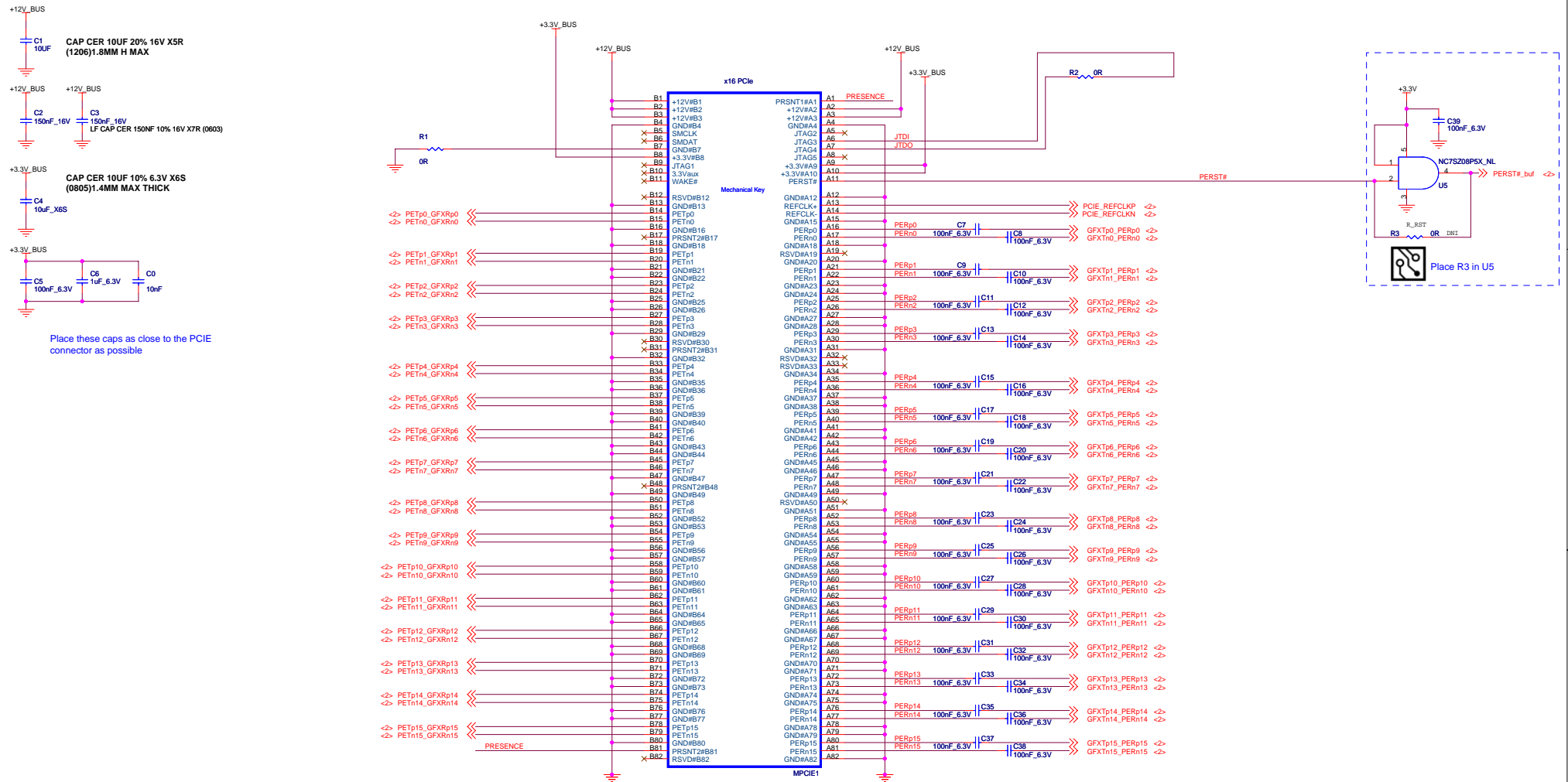


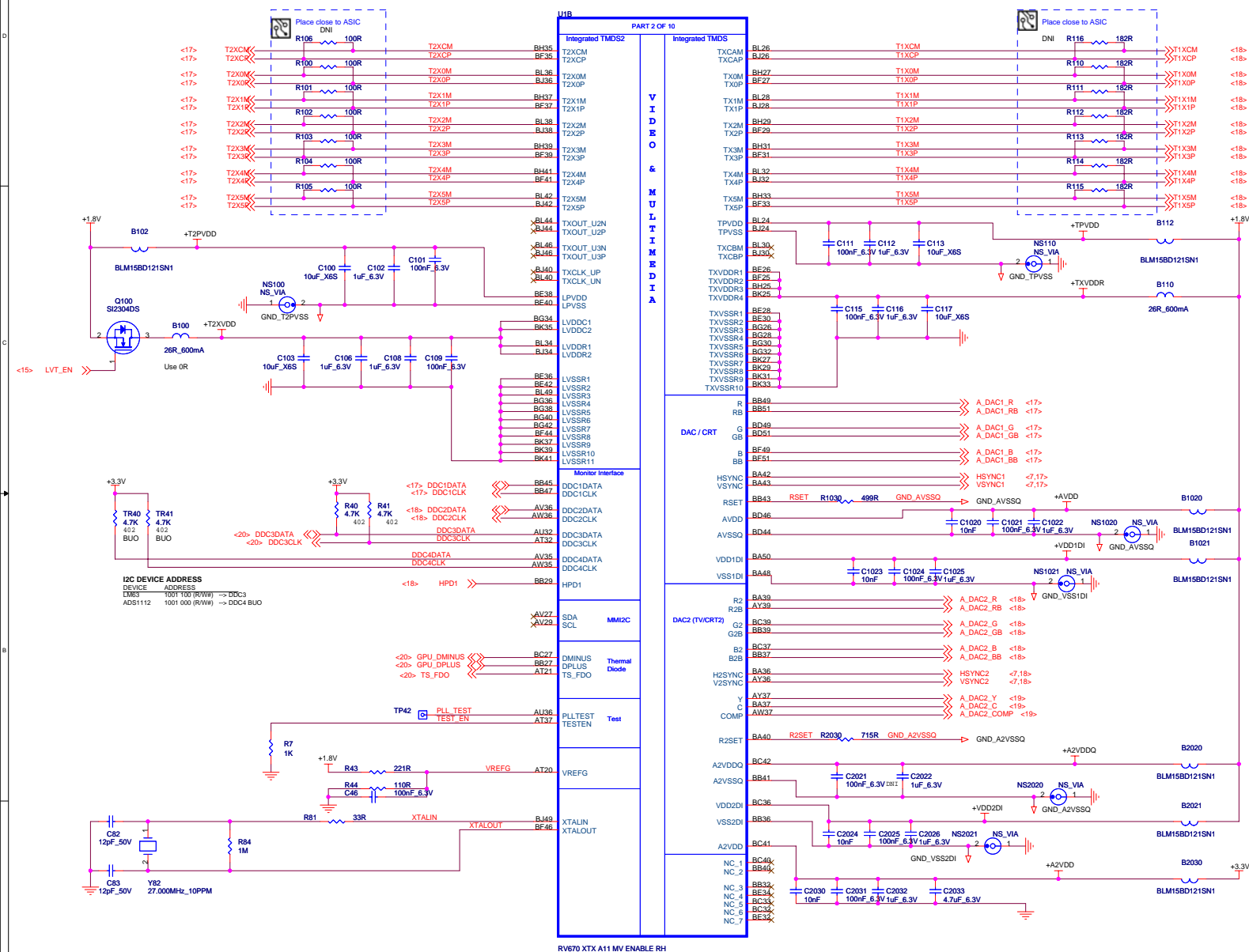
# PCI-EXPRESS EDGE CONNECTOR



SYMBOL LEGEND	
DNI	DO NOT INSTALL
#	ACTIVE LOW
	DIGITAL GROUND
	ANALOG GROUND
BLUO	BRING UP ONLY



**Recommended caps:**  
(see BOM for qualified values/vendors)  
10uF , X6S, 0805, 6.3V, 1.4MM MAX THICK  
4.7uF , X6S/X5R, 0603, 6.3V/4V  
1uF, X6S, 0402, 6.3V  
100nF, X7R, 0402  
10nF , X7R, 0402



**CONFIDENTIAL & PROPRIETARY TO ADVANCED MICRO DEVICES INC.**  
©2007 Advanced Micro Devices, Inc.  
This AMD Board schematic and design is the exclusive property of AMD, and is provided only to entities under a non-disclosure agreement with AMD for evaluation purposes. Further distribution or disclosure is strictly prohibited. Use of this schematic and design for any purpose other than evaluation is strictly prohibited. Under the Technology License Agreement with AMD, AMD makes no representations or warranties of any kind regarding this schematic and design, including, not limited to, any implied warranty of merchantability or fitness for a particular purpose, and disclaims responsibility for any consequences resulting from use of the information included herein.

Title **RH RV670 - ASIC MAIN**

Advanced Micro Devices Inc.  
1 Commerce Valley Drive East  
Markham, Ontario

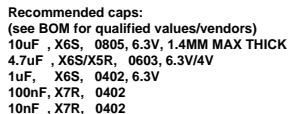


Date: Wednesday, March 26, 2008

Sheet 3 of 23

Rev. 4

Doc No.	105-B340xx-00B
---------	----------------



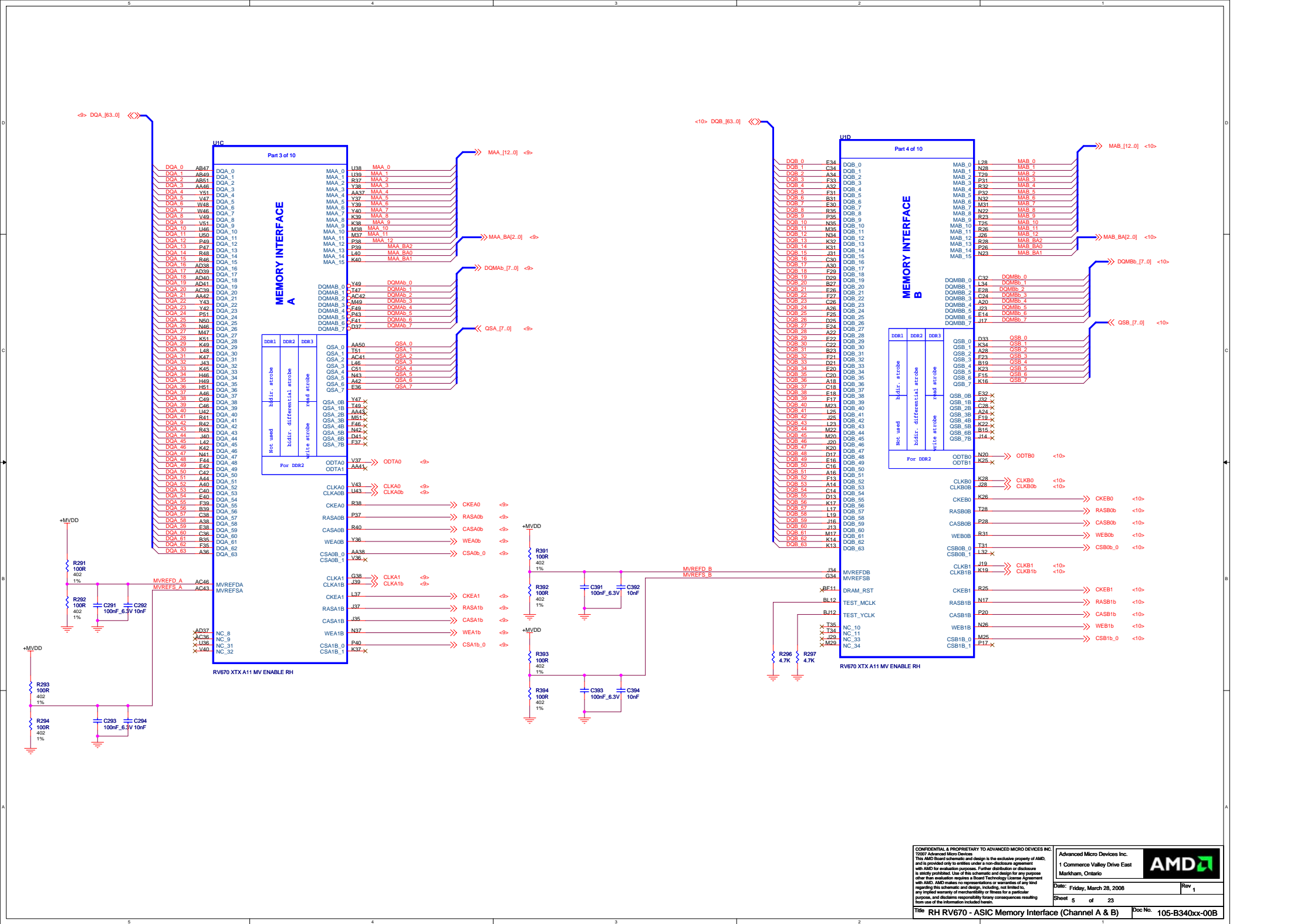
Advanced Micro Devices Inc.  
1 Commerce Valley Drive East  
Markham, Ontario

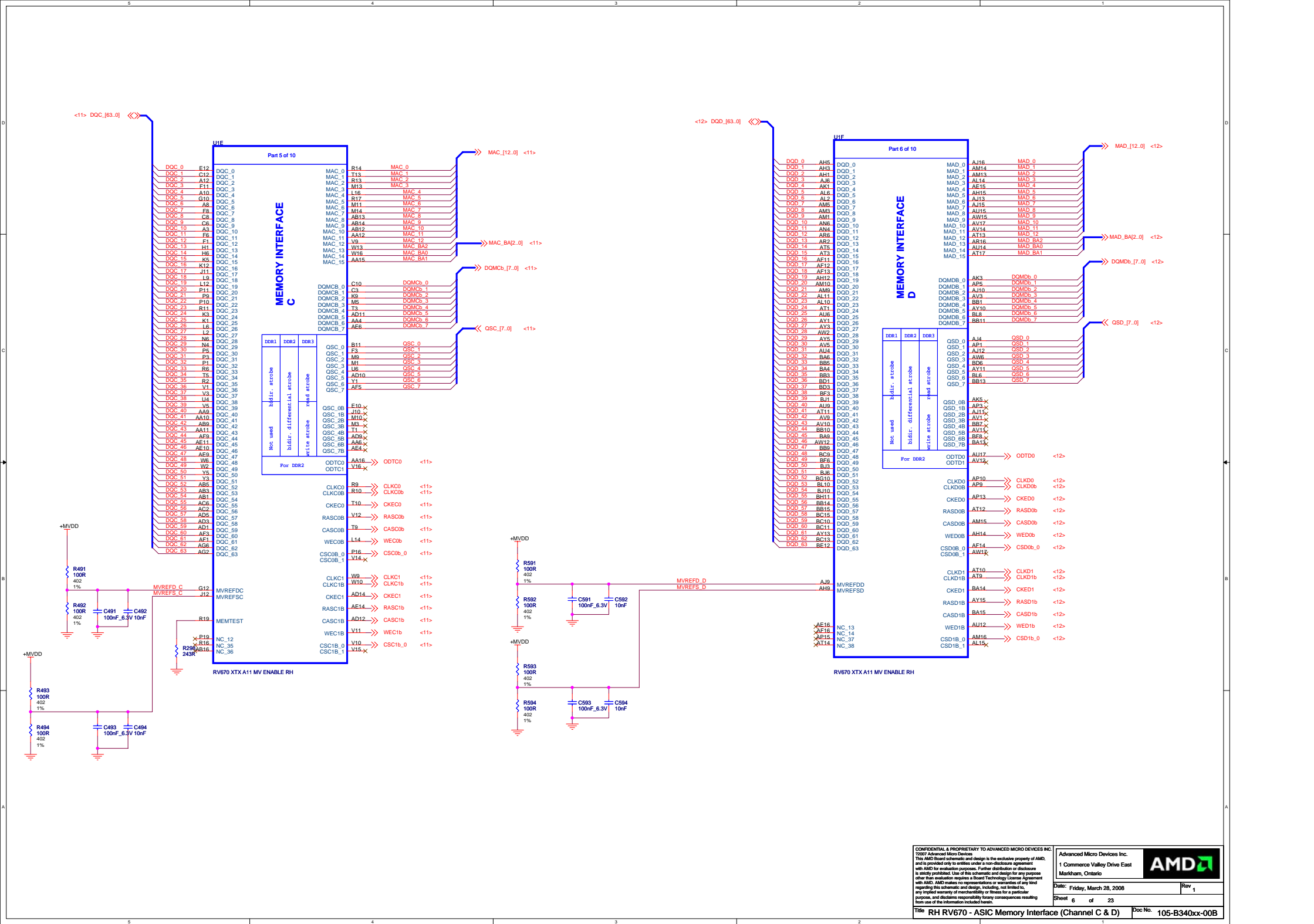
Rev

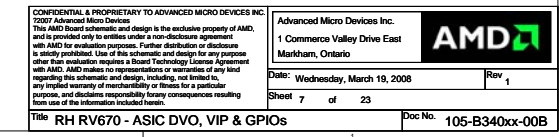
23

Doc No. 10E-B340-xx-00B

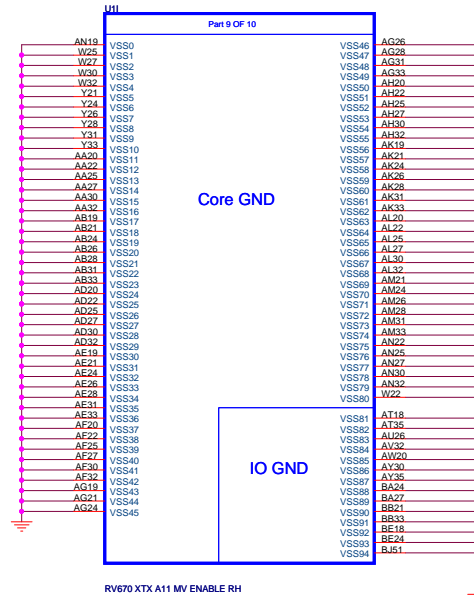
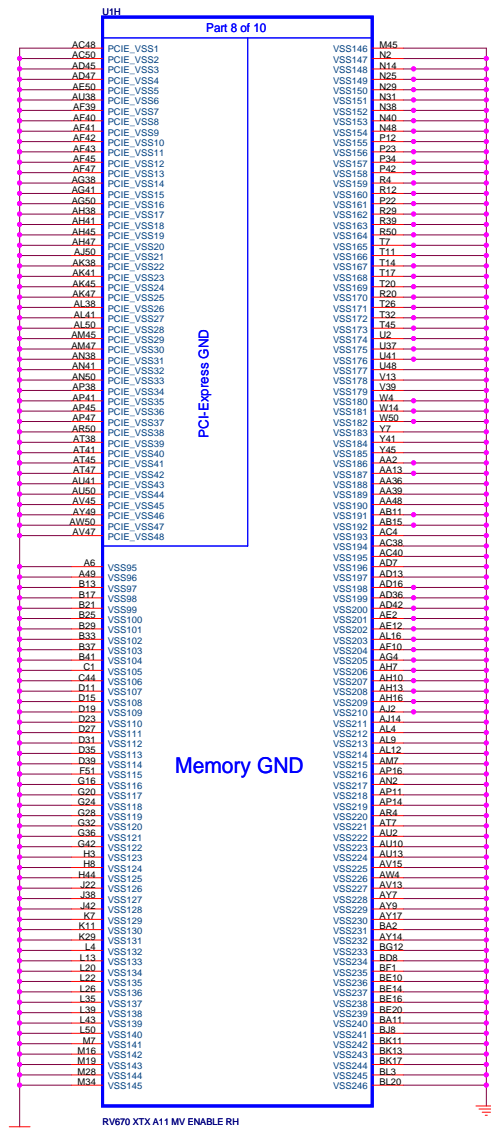
Title RH RV670 - ASIC Power





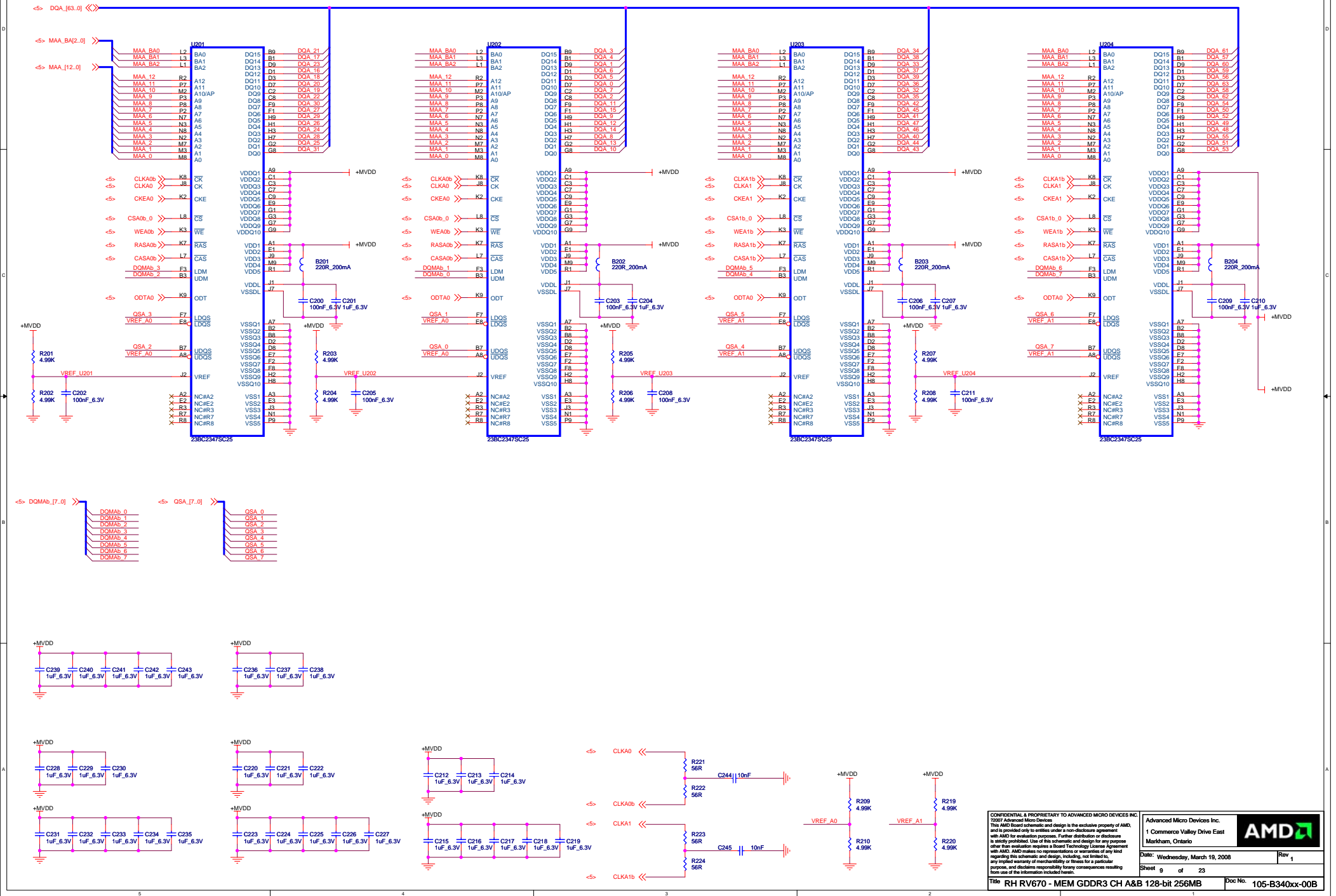




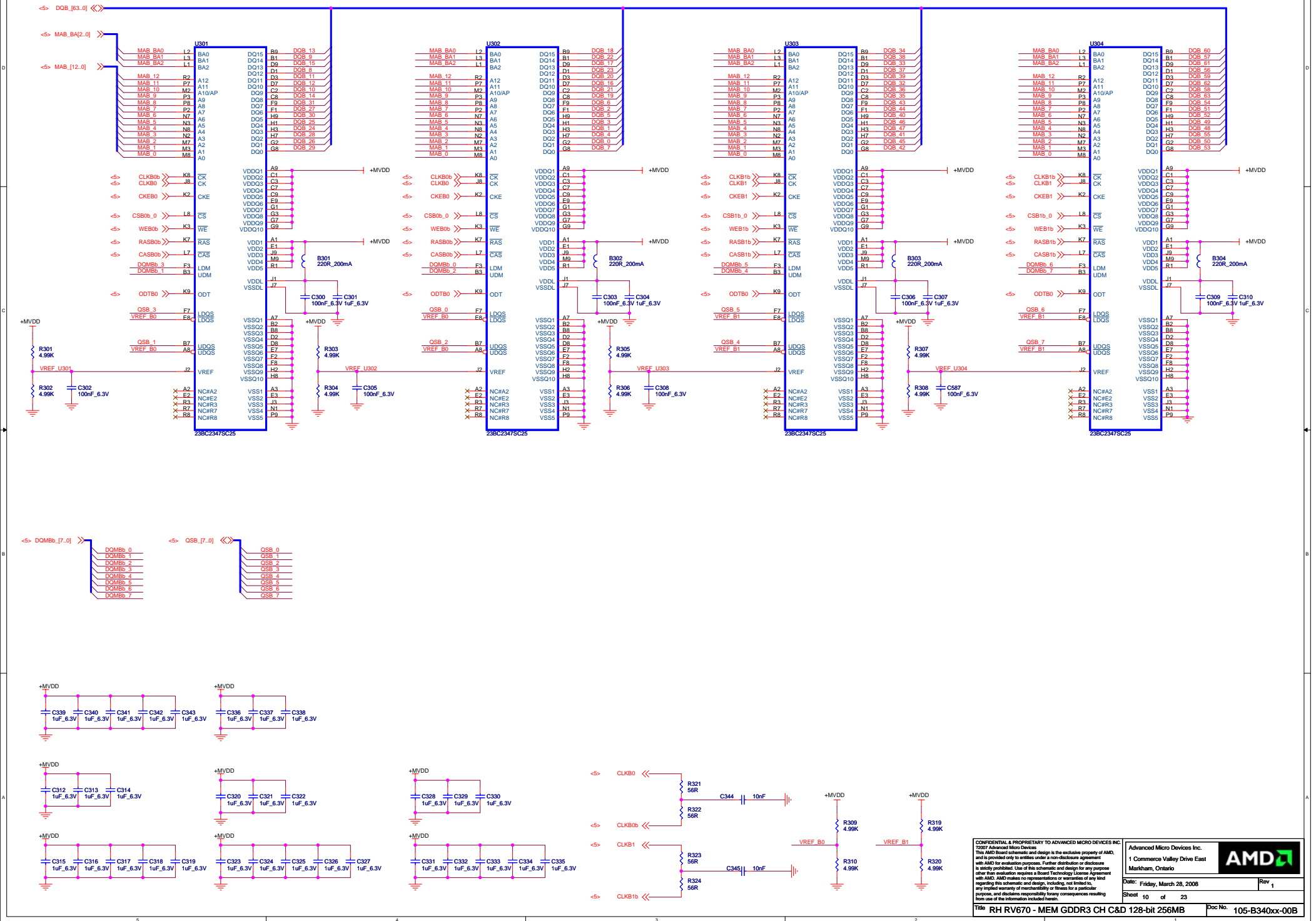




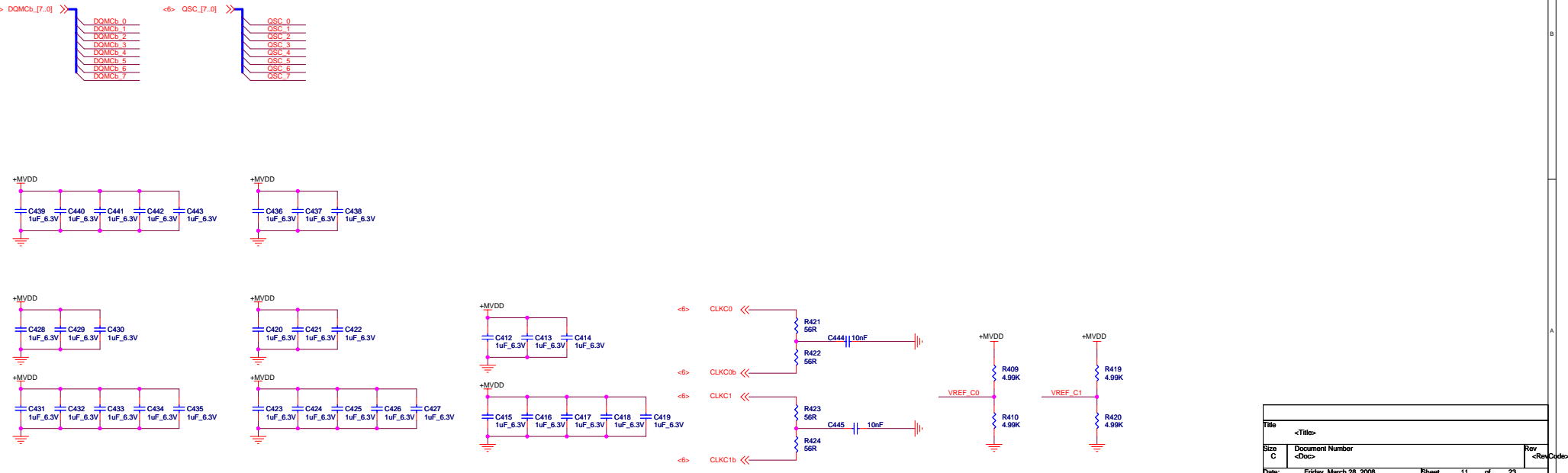
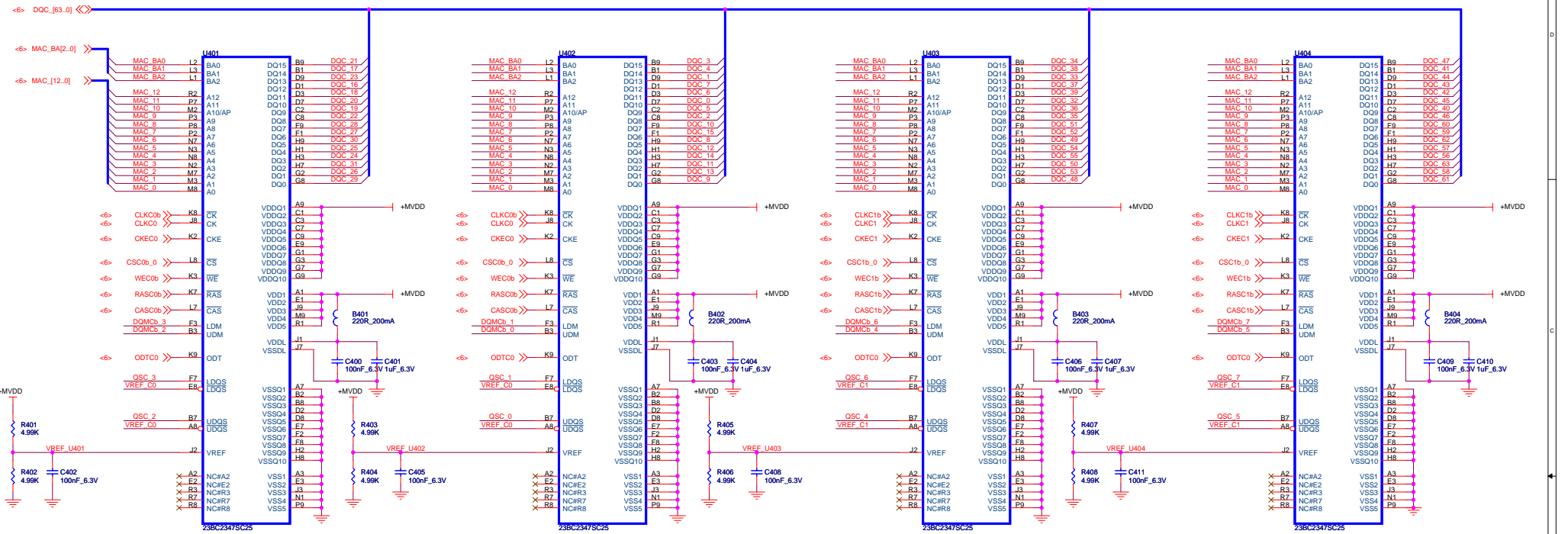
# CHANNEL A: 128MB/256MB DDR2



**CHANNEL B: 128MB/256MB DDR2**



# CHANNEL C: 128MB/256MB DDR2

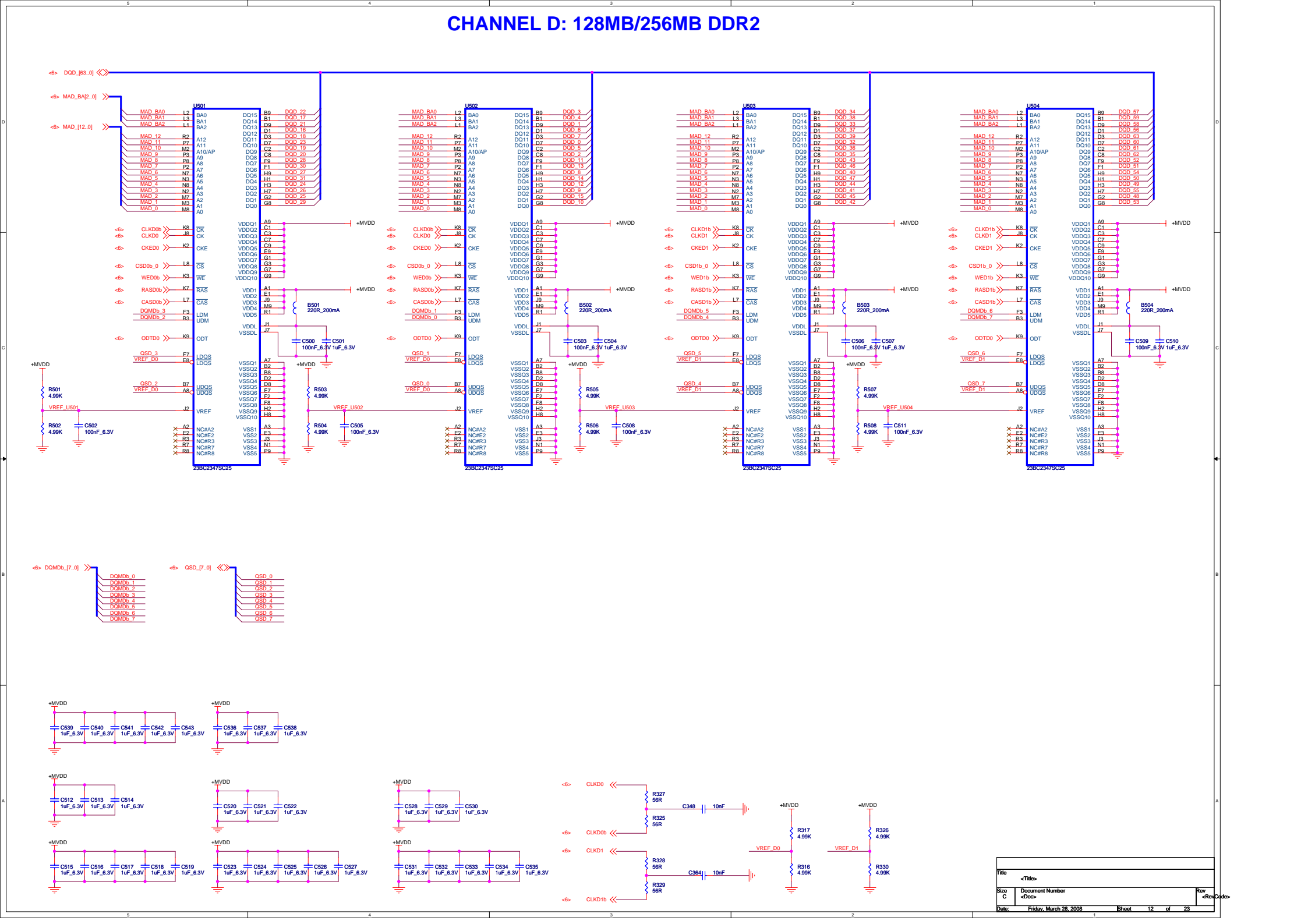


File	<Title>	Rev	<Rev Code>
Size	Document Number		
C	<Doc>		
Date	Friday, March 28, 2008	Sheet	11 of 23

**CHANNEL D: 128MB/256MB DDR2**

The schematic diagram illustrates the electrical connections for Channel D, which consists of four 128MB/256MB DDR2 memory modules (U501, U502, U503, U504) connected to a common bus. The diagram shows the following components and connections:

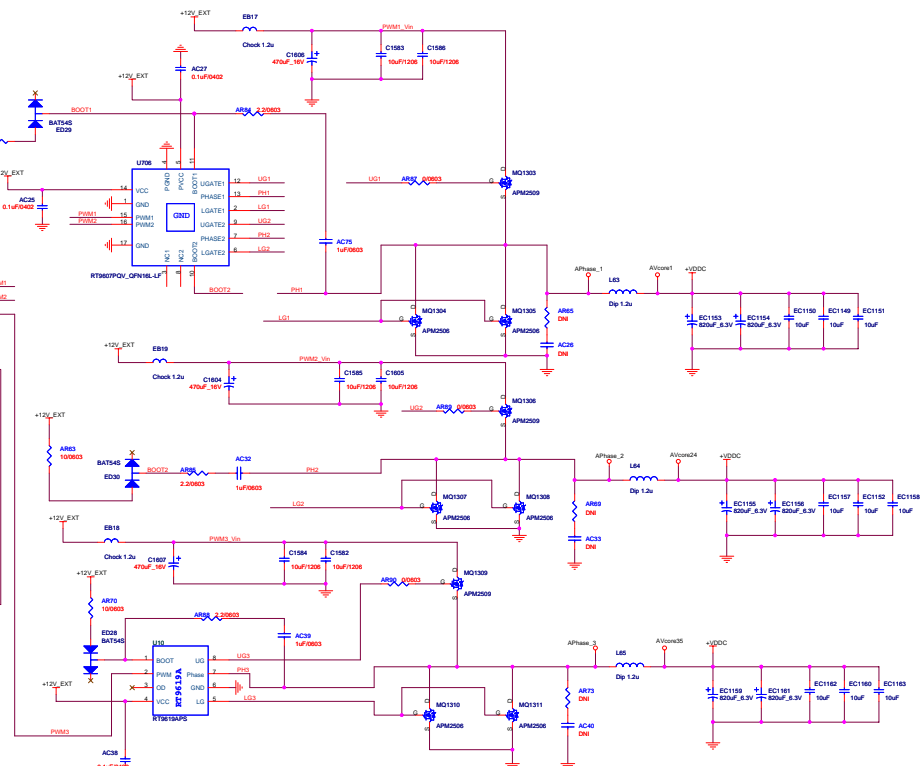
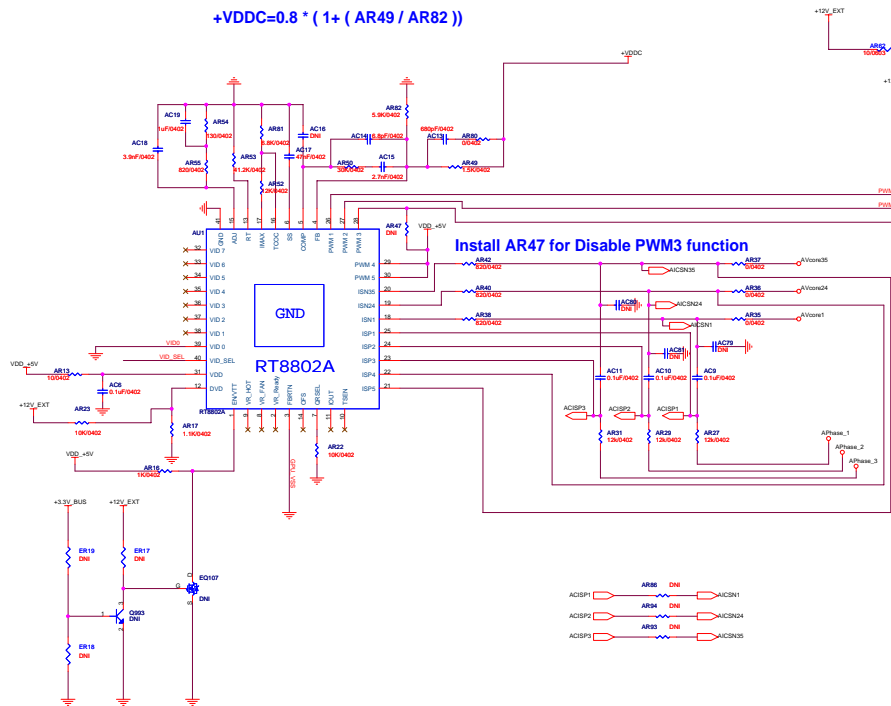
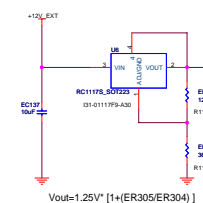
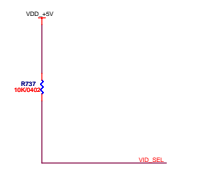
- Memory Modules (U501, U502, U503, U504):** Each module is connected to a common bus. The modules are labeled with their respective pin numbers and signals.
  - U501:** Pins 1-16 (MAD\_BA0 to MAD\_0), 17-32 (DO0 to DO15), 33-48 (DO16 to DO31), 49-64 (DO32 to DO47), 65-80 (DO48 to DO63), 81-96 (DO64 to DO79), 97-112 (DO80 to DO95), 113-128 (DO96 to DO111), 129-144 (DO112 to DO127), 145-160 (DO128 to DO143), 161-176 (DO144 to DO159), 177-192 (DO160 to DO175), 193-208 (DO176 to DO191), 209-224 (DO192 to DO207), 225-240 (DO208 to DO223), 241-256 (DO224 to DO239), 257-272 (DO240 to DO255), 273-288 (DO256 to DO271), 289-304 (DO272 to DO287), 305-320 (DO288 to DO303), 321-336 (DO304 to DO319), 337-352 (DO320 to DO335), 353-368 (DO336 to DO351), 369-384 (DO352 to DO367), 385-400 (DO368 to DO383), 401-416 (DO384 to DO400), 417-432 (DO401 to DO416), 433-448 (DO417 to DO432), 449-464 (DO433 to DO448), 465-480 (DO449 to DO464), 481-496 (DO465 to DO480), 497-512 (DO481 to DO496), 513-528 (DO497 to DO512), 529-544 (DO513 to DO528), 545-560 (DO529 to DO544), 561-576 (DO545 to DO560), 577-592 (DO561 to DO576), 593-608 (DO577 to DO592), 609-624 (DO593 to DO608), 625-640 (DO609 to DO624), 641-656 (DO625 to DO640), 657-672 (DO641 to DO656), 673-688 (DO657 to DO672), 689-704 (DO673 to DO688), 705-720 (DO689 to DO704), 721-736 (DO705 to DO720), 737-752 (DO721 to DO736), 753-768 (DO737 to DO752), 769-784 (DO753 to DO768), 785-800 (DO769 to DO784), 801-816 (DO785 to DO800), 817-832 (DO801 to DO816), 833-848 (DO817 to DO832), 849-864 (DO833 to DO848), 865-880 (DO849 to DO864), 881-896 (DO865 to DO880), 897-912 (DO881 to DO896), 913-928 (DO897 to DO912), 929-944 (DO913 to DO928), 945-960 (DO929 to DO944), 961-976 (DO945 to DO960), 977-992 (DO961 to DO976), 993-1008 (DO977 to DO992), 1009-1024 (DO993 to DO1008), 1025-1040 (DO1009 to DO1024), 1041-1056 (DO1025 to DO1040), 1057-1072 (DO1041 to DO1056), 1073-1088 (DO1057 to DO1072), 1089-1104 (DO1073 to DO1088), 1105-1120 (DO1089 to DO1104), 1121-1136 (DO1105 to DO1120), 1137-1152 (DO1121 to DO1136), 1153-1168 (DO1137 to DO1152), 1169-1184 (DO1153 to DO1168), 1185-1200 (DO1169 to DO1184), 1201-1216 (DO1185 to DO1200), 1217-1232 (DO1201 to DO1216), 1233-1248 (DO1217 to DO1232), 1249-1264 (DO1233 to DO1248), 1265-1280 (DO1249 to DO1264), 1281-1296 (DO1265 to DO1280), 1297-1312 (DO1281 to DO1296), 1313-1328 (DO1297 to DO1312), 1329-1344 (DO1313 to DO1328), 1345-1360 (DO1329 to DO1344), 1361-1376 (DO1361 to DO1376), 1377-1392 (DO1377 to DO1392), 1393-1408 (DO1393 to DO1408), 1409-1424 (DO1409 to DO1424), 1425-1440 (DO1425 to DO1440), 1441-1456 (DO1441 to DO1456), 1457-1472 (DO1457 to DO1472), 1473-1488 (DO1473 to DO1488), 1489-1504 (DO1489 to DO1504), 1505-1520 (DO1505 to DO1520), 1521-1536 (DO1521 to DO1536), 1537-1552 (DO1537 to DO1552), 1553-1568 (DO1553 to DO1568), 1569-1584 (DO1569 to DO1584), 1585-1600 (DO1585 to DO1600), 1601-1616 (DO1601 to DO1616), 1617-1632 (DO1617 to DO1632), 1633-1648 (DO1633 to DO1648), 1649-1664 (DO1649 to DO1664), 1665-1680 (DO1665 to DO1680), 1681-1696 (DO1681 to DO1696), 1697-1712 (DO1697 to DO1712), 1713-1728 (DO1713 to DO1728), 1729-1744 (DO1729 to DO1744), 1745-1760 (DO1745 to DO1760), 1761-1776 (DO1761 to DO1776), 1777-1792 (DO1777 to DO1792), 1793-1808 (DO1793 to DO1808), 1809-1824 (DO1809 to DO1824), 1825-1840 (DO1825 to DO1840), 1841-1856 (DO1841 to DO1856), 1857-1872 (DO1857 to DO1872), 1873-1888 (DO1873 to DO1888), 1889-1904 (DO1889 to DO1904), 1905-1920 (DO1905 to DO1920), 1921-1936 (DO1921 to DO1936), 1937-1952 (DO1937 to DO1952), 1953-1968 (DO1953 to DO1968), 1969-1984 (DO1969 to DO1984), 1985-2000 (DO1985 to DO2000), 2001-2016 (DO2001 to DO2016), 2017-2032 (DO2017 to DO2032), 2033-2048 (DO2033 to DO2048), 2049-2064 (DO2049 to DO2064), 2065-2080 (DO2065 to DO2080), 2081-2096 (DO2081 to DO2096), 2097-2112 (DO2097 to DO2112), 2113-2128 (DO2113 to DO2128), 2129-2144 (DO2129 to DO2144), 2145-2160 (DO2145 to DO2160), 2161-2176 (DO2161 to DO2176), 2177-2192 (DO2177 to DO2192), 2193-2208 (DO2193 to DO2208), 2209-2224 (DO2209 to DO2224), 2225-2240 (DO2225 to DO2240), 2241-2256 (DO2241 to DO2256), 2257-2272 (DO2257 to DO2272), 2273-2288 (DO2273 to DO2288), 2289-2304 (DO2289 to DO2304), 2305-2320 (DO2305 to DO2320), 2321-2336 (DO2321 to DO2336), 2337-2352 (DO2337 to DO2352), 2353-2368 (DO2353 to DO2368), 2369-2384 (DO2369 to DO2384), 2385-2400 (DO2385 to DO2400), 2401-2416 (DO2401 to DO2416), 2417-2432 (DO2417 to DO2432), 2433-2448 (DO2433 to DO2448), 2449-2464 (DO2449 to DO2464), 2465-2480 (DO2465 to DO2480), 2481-2496 (DO2481 to DO2496), 2497-2512 (DO2497 to DO2512), 2513-2528 (DO2513 to DO2528), 2529-2544 (DO2529 to DO2544), 2545-2560 (DO2545 to DO2560), 2561-2576 (DO2561 to DO2576), 2577-2592 (DO2577 to DO2592), 2593-2608 (DO2593 to DO2608), 2609-2624 (DO2609 to DO2624), 2625-2640 (DO2625 to DO2640), 2641-2656 (DO2641 to DO2656), 2657-2672 (DO2657 to DO2672), 2673-2688 (DO2673 to DO2688), 2689-2704 (DO2689 to DO2704), 2705-2720 (DO2705 to DO2720), 2721-2736 (DO2721 to DO2736), 2737-2752 (DO2737 to DO2752), 2753-2768 (DO2753 to DO2768), 2769-2784 (DO2769 to DO2784), 2785-2800 (DO2785 to DO2800), 2801-2816 (DO2801 to DO2816), 2817-2832 (DO2817 to DO2832), 2833-2848 (DO2833 to DO2848), 2849-2864 (DO2849 to DO2864), 28

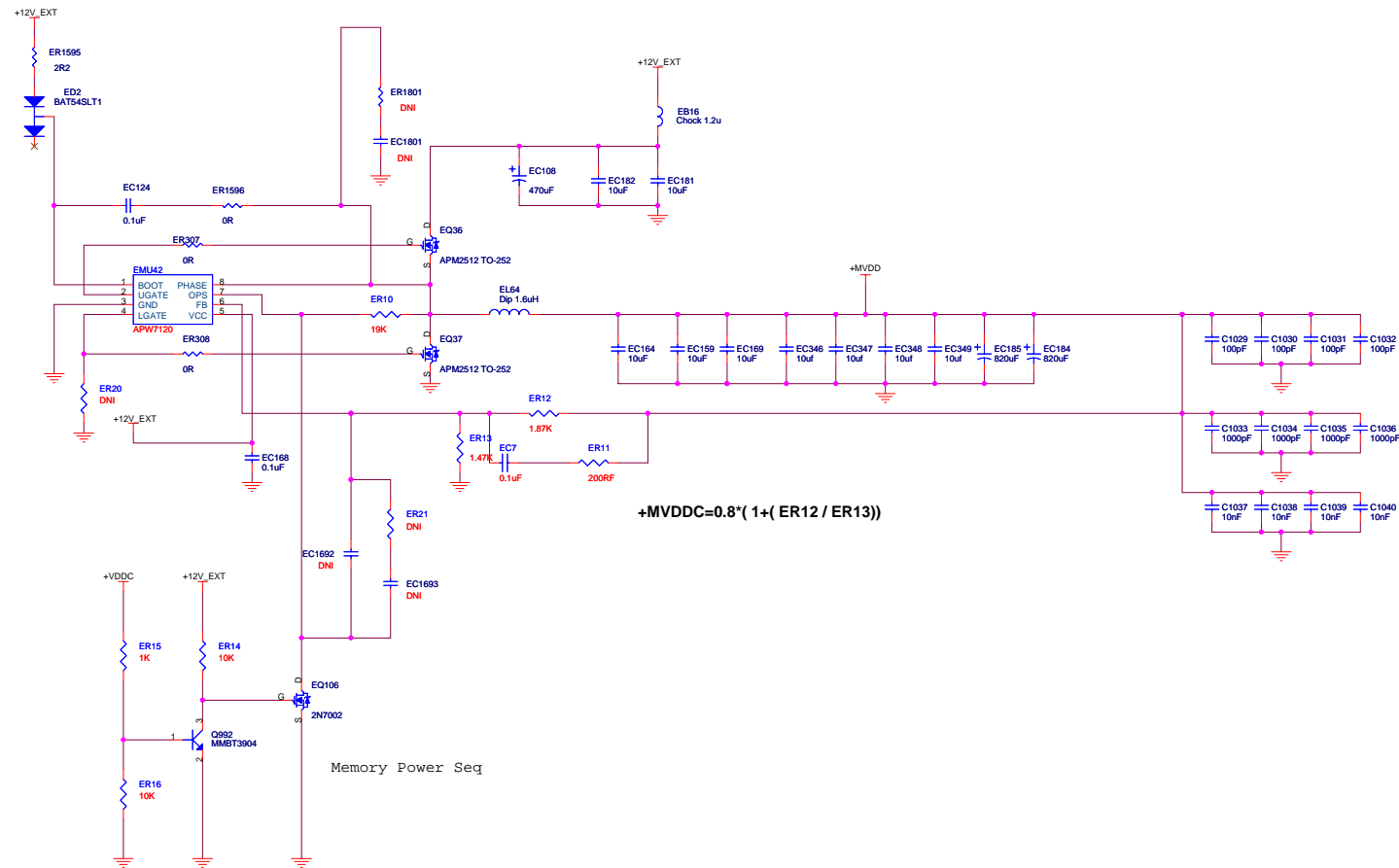


**CHANNEL D: 128MB/256MB DDR2**

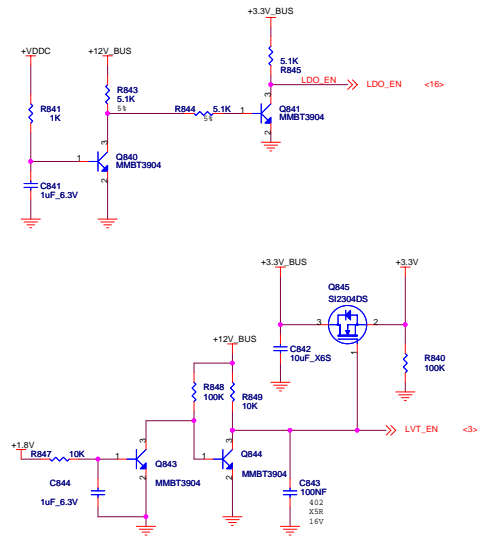
The schematic diagram illustrates the electrical connections for Channel D, which consists of four 128MB/256MB DDR2 memory modules (U501, U502, U503, U504) connected to a common bus. The diagram shows the following components and connections:

- Memory Modules (U501, U502, U503, U504):** Each module is connected to a common bus. The modules are labeled with their respective pin numbers and signals.
  - U501:** Pins 1-16 (MAD\_BA0 to MAD\_0), 17-32 (DO0 to DO15), 33-48 (DO16 to DO31), 49-64 (DO32 to DO47), 65-80 (DO48 to DO63), 81-96 (DO64 to DO79), 97-112 (DO80 to DO95), 113-128 (DO96 to DO111), 129-144 (DO112 to DO127), 145-160 (DO128 to DO143), 161-176 (DO144 to DO159), 177-192 (DO160 to DO175), 193-208 (DO176 to DO191), 209-224 (DO192 to DO207), 225-240 (DO208 to DO223), 241-256 (DO224 to DO239), 257-272 (DO240 to DO255), 273-288 (DO256 to DO271), 289-304 (DO272 to DO287), 305-320 (DO288 to DO303), 321-336 (DO304 to DO319), 337-352 (DO320 to DO335), 353-368 (DO336 to DO351), 369-384 (DO352 to DO367), 385-400 (DO368 to DO383), 401-416 (DO384 to DO400), 417-432 (DO401 to DO416), 433-448 (DO417 to DO432), 449-464 (DO433 to DO448), 465-480 (DO449 to DO464), 481-496 (DO465 to DO480), 497-512 (DO481 to DO496), 513-528 (DO497 to DO512), 529-544 (DO513 to DO528), 545-560 (DO529 to DO544), 561-576 (DO545 to DO560), 577-592 (DO561 to DO576), 593-608 (DO577 to DO592), 609-624 (DO593 to DO608), 625-640 (DO609 to DO624), 641-656 (DO625 to DO640), 657-672 (DO641 to DO656), 673-688 (DO657 to DO672), 689-704 (DO673 to DO688), 705-720 (DO689 to DO704), 721-736 (DO705 to DO720), 737-752 (DO721 to DO736), 753-768 (DO737 to DO752), 769-784 (DO753 to DO768), 785-800 (DO769 to DO784), 801-816 (DO785 to DO800), 817-832 (DO801 to DO816), 833-848 (DO817 to DO832), 849-864 (DO833 to DO848), 865-880 (DO849 to DO864), 881-896 (DO865 to DO880), 897-912 (DO881 to DO896), 913-928 (DO897 to DO912), 929-944 (DO913 to DO928), 945-960 (DO929 to DO944), 961-976 (DO945 to DO960), 977-992 (DO961 to DO976), 993-1008 (DO977 to DO992), 1009-1024 (DO993 to DO1008), 1025-1040 (DO1009 to DO1024), 1041-1056 (DO1025 to DO1040), 1057-1072 (DO1041 to DO1056), 1073-1088 (DO1057 to DO1072), 1089-1104 (DO1073 to DO1088), 1105-1120 (DO1089 to DO1104), 1121-1136 (DO1105 to DO1120), 1137-1152 (DO1121 to DO1136), 1153-1168 (DO1137 to DO1152), 1169-1184 (DO1153 to DO1168), 1185-1200 (DO1169 to DO1184), 1201-1216 (DO1185 to DO1200), 1217-1232 (DO1201 to DO1216), 1233-1248 (DO1217 to DO1232), 1249-1264 (DO1233 to DO1248), 1265-1280 (DO1249 to DO1264), 1281-1296 (DO1265 to DO1280), 1297-1312 (DO1281 to DO1296), 1313-1328 (DO1297 to DO1312), 1329-1344 (DO1313 to DO1328), 1345-1360 (DO1329 to DO1344), 1361-1376 (DO1361 to DO1376), 1377-1392 (DO1377 to DO1392), 1393-1408 (DO1393 to DO1408), 1409-1424 (DO1409 to DO1424), 1425-1440 (DO1425 to DO1440), 1441-1456 (DO1441 to DO1456), 1457-1472 (DO1457 to DO1472), 1473-1488 (DO1473 to DO1488), 1489-1504 (DO1489 to DO1504), 1505-1520 (DO1505 to DO1520), 1521-1536 (DO1521 to DO1536), 1537-1552 (DO1537 to DO1552), 1553-1568 (DO1553 to DO1568), 1569-1584 (DO1569 to DO1584), 1585-1600 (DO1585 to DO1600), 1601-1616 (DO1601 to DO1616), 1617-1632 (DO1617 to DO1632), 1633-1648 (DO1633 to DO1648), 1649-1664 (DO1649 to DO1664), 1665-1680 (DO1665 to DO1680), 1681-1696 (DO1681 to DO1696), 1697-1712 (DO1697 to DO1712), 1713-1728 (DO1713 to DO1728), 1729-1744 (DO1729 to DO1744), 1745-1760 (DO1745 to DO1760), 1761-1776 (DO1761 to DO1776), 1777-1792 (DO1777 to DO1792), 1793-1808 (DO1793 to DO1808), 1809-1824 (DO1809 to DO1824), 1825-1840 (DO1825 to DO1840), 1841-1856 (DO1841 to DO1856), 1857-1872 (DO1857 to DO1872), 1873-1888 (DO1873 to DO1888), 1889-1904 (DO1889 to DO1904), 1905-1920 (DO1905 to DO1920), 1921-1936 (DO1921 to DO1936), 1937-1952 (DO1937 to DO1952), 1953-1968 (DO1953 to DO1968), 1969-1984 (DO1969 to DO1984), 1985-2000 (DO1985 to DO2000), 2001-2016 (DO2001 to DO2016), 2017-2032 (DO2017 to DO2032), 2033-2048 (DO2033 to DO2048), 2049-2064 (DO2049 to DO2064), 2065-2080 (DO2065 to DO2080), 2081-2096 (DO2081 to DO2096), 2097-2112 (DO2097 to DO2112), 2113-2128 (DO2113 to DO2128), 2129-2144 (DO2129 to DO2144), 2145-2160 (DO2145 to DO2160), 2161-2176 (DO2161 to DO2176), 2177-2192 (DO2177 to DO2192), 2193-2208 (DO2193 to DO2208), 2209-2224 (DO2209 to DO2224), 2225-2240 (DO2225 to DO2240), 2241-2256 (DO2241 to DO2256), 2257-2272 (DO2257 to DO2272), 2273-2288 (DO2273 to DO2288), 2289-2304 (DO2289 to DO2304), 2305-2320 (DO2305 to DO2320), 2321-2336 (DO2321 to DO2336), 2337-2352 (DO2337 to DO2352), 2353-2368 (DO2353 to DO2368), 2369-2384 (DO2369 to DO2384), 2385-2400 (DO2385 to DO2400), 2401-2416 (DO2401 to DO2416), 2417-2432 (DO2417 to DO2432), 2433-2448 (DO2433 to DO2448), 2449-2464 (DO2449 to DO2464), 2465-2480 (DO2465 to DO2480), 2481-2496 (DO2481 to DO2496), 2497-2512 (DO2497 to DO2512), 2513-2528 (DO2513 to DO2528), 2529-2544 (DO2529 to DO2544), 2545-2560 (DO2545 to DO2560), 2561-2576 (DO2561 to DO2576), 2577-2592 (DO2577 to DO2592), 2593-2608 (DO2593 to DO2608), 2609-2624 (DO2609 to DO2624), 2625-2640 (DO2625 to DO2640), 2641-2656 (DO2641 to DO2656), 2657-2672 (DO2657 to DO2672), 2673-2688 (DO2673 to DO2688), 2689-2704 (DO2689 to DO2704), 2705-2720 (DO2705 to DO2720), 2721-2736 (DO2721 to DO2736), 2737-2752 (DO2737 to DO2752), 2753-2768 (DO2753 to DO2768), 2769-2784 (DO2769 to DO2784), 2785-2800 (DO2785 to DO2800), 2801-2816 (DO2801 to DO2816), 2817-2832 (DO2817 to DO2832), 2833-2848 (DO2833 to DO2848), 2849-2864 (DO2849 to DO2864), 28

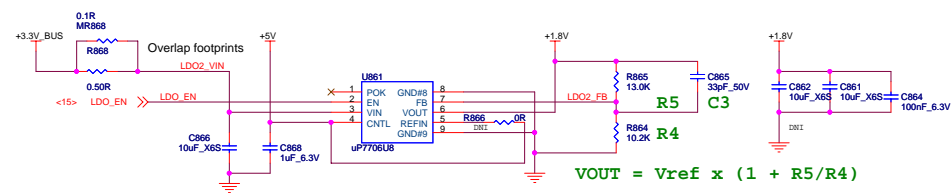
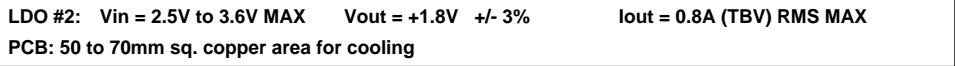




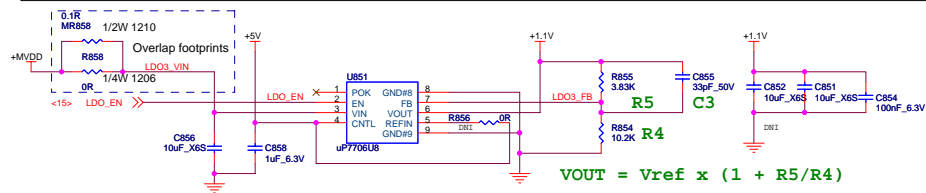
## Power up Sequencing





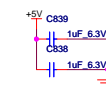
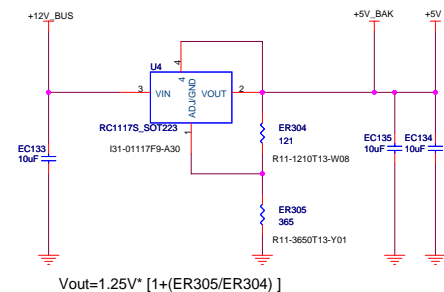
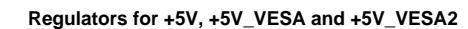
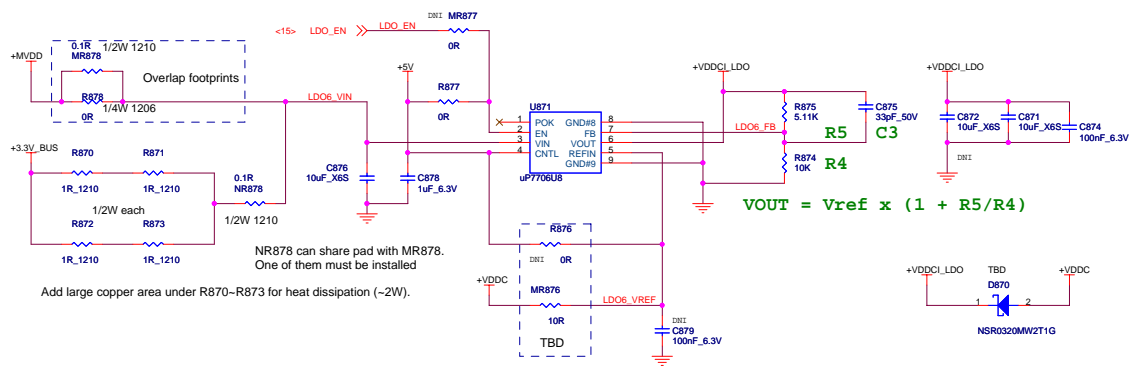


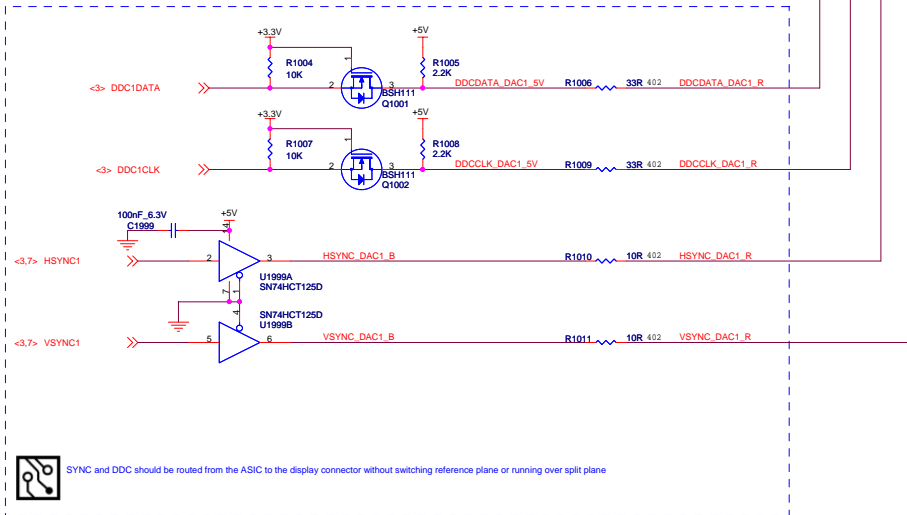
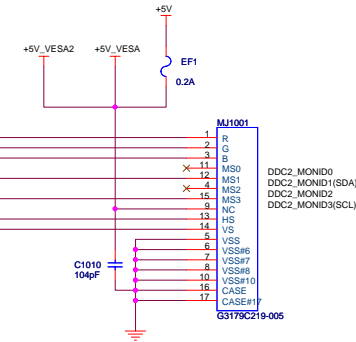
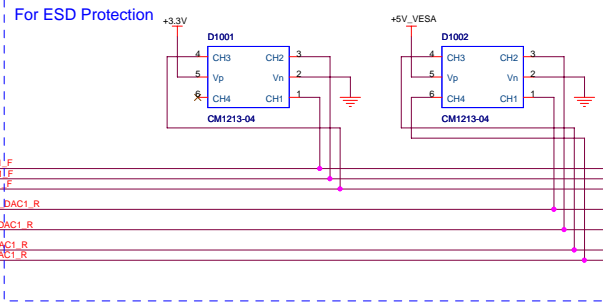
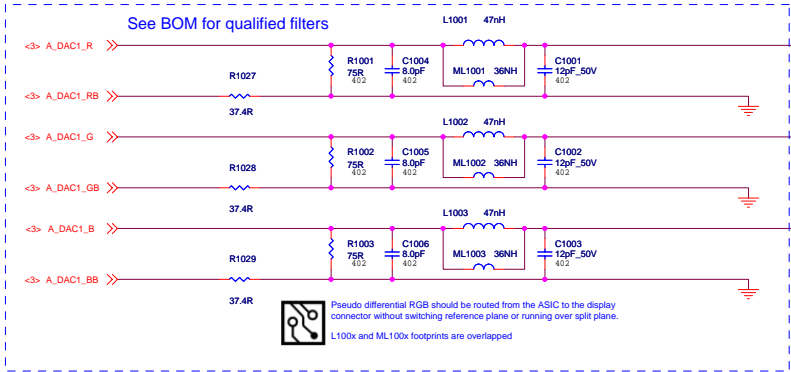
**LDO #3: Vin = +1.70V to 2.1VMAX      Vout = +1.1V +/- 3%      Iout = Up to 1.3A (TBV) RMS MAX**  
**PCB: 50 to 70mm sq. copper area for cooling**



**LDO #6:** For fixed output voltage:  $V_{in} = +1.70V$  to  $2.1V$  MAX  $V_{out} = +1.20V \pm 3\%$   $I_{out} = 1.3A$  (TBV) RMS MAX  
PCB: 50 to 70mm sq. copper area for cooling

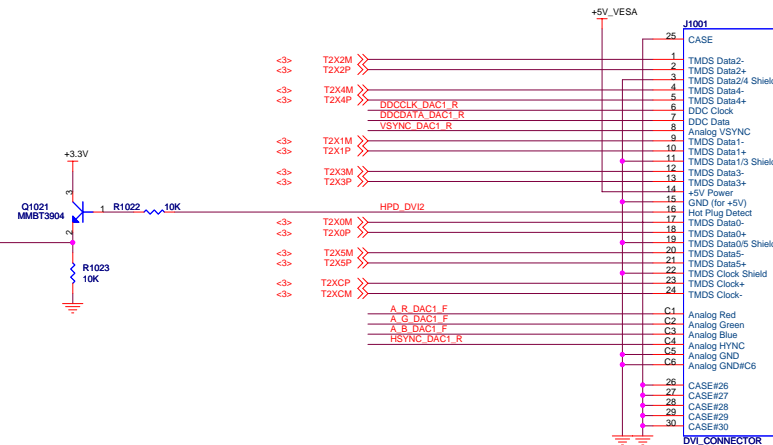
**LDO #6:** For tracking VDDC:  $V_{in}$  = TBD  $V_{out}$  = TBD  $I_{out}$  = 1.3A (TBV) RMS MAX  
PCB: 50 to 70mm sq. copper area for cooling

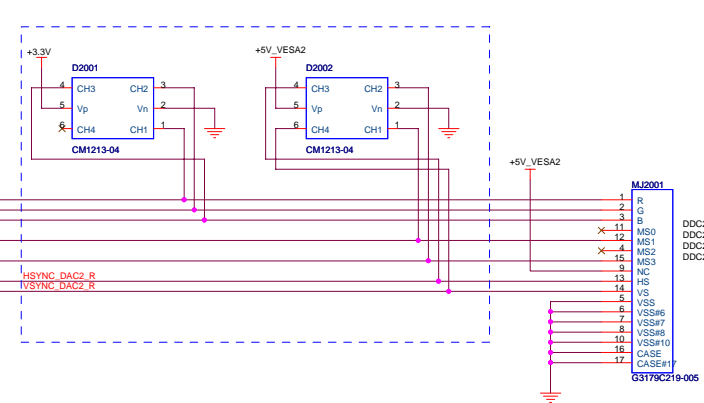
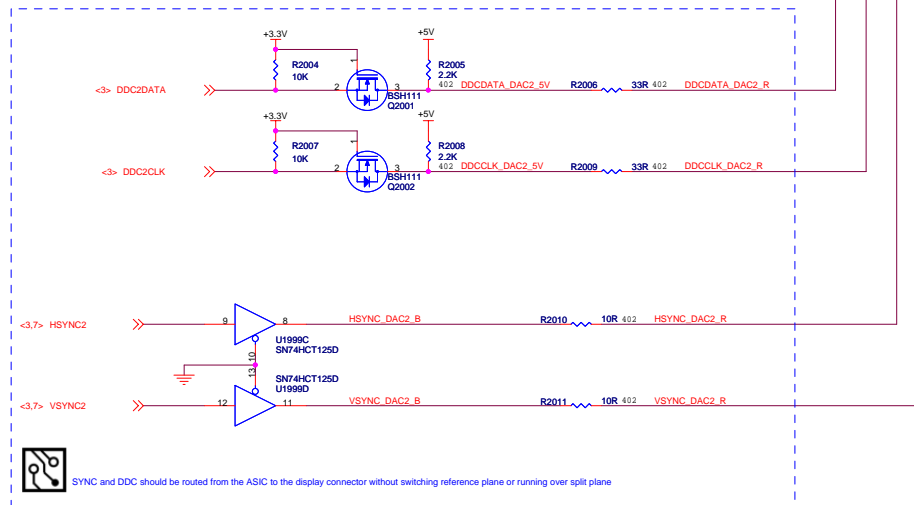
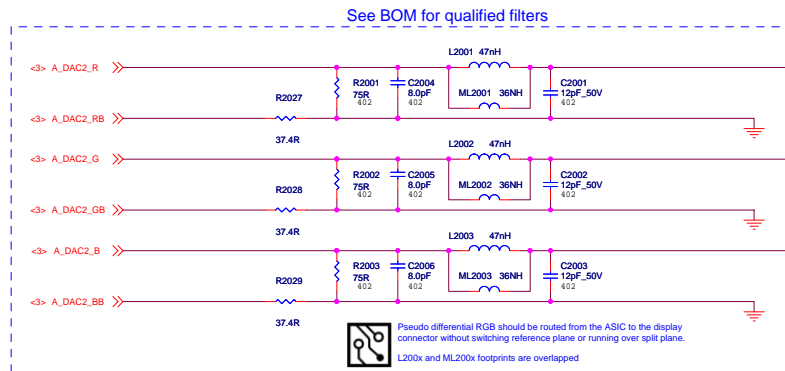




DB15 pin	Standard VGA	DDC1 Host	DDC2B or DDC2B+ Host	DDC2AB Host	DDC1/2 Display
11	Monitor ID bit 0	Monitor ID bit 0	Monitor ID bit 0	Monitor ID bit 0	Optional SDA
12	Monitor ID bit 1	Monitor ID bit 1	Monitor ID bit 1	Monitor ID bit 1	Optional SDA
4	Monitor ID bit 2	Monitor ID bit 2	Monitor ID bit 2	Monitor ID bit 2	Optional SCL
15	Monitor ID bit 3	Open	Open	Open	Optional SCL
9	N/C	+5V	+5V	+5V	Optional
Support	No	Yes	Yes	No	Yes

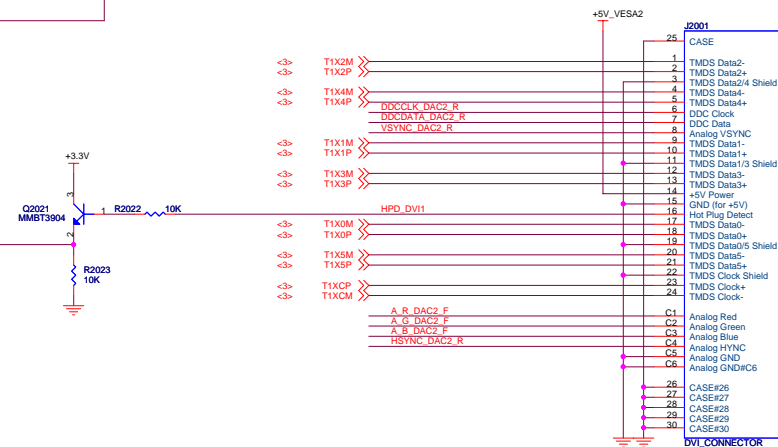
Based on VESA Display Data Channel (DDC) Standard Ver. 3 Dec. 15, 1997

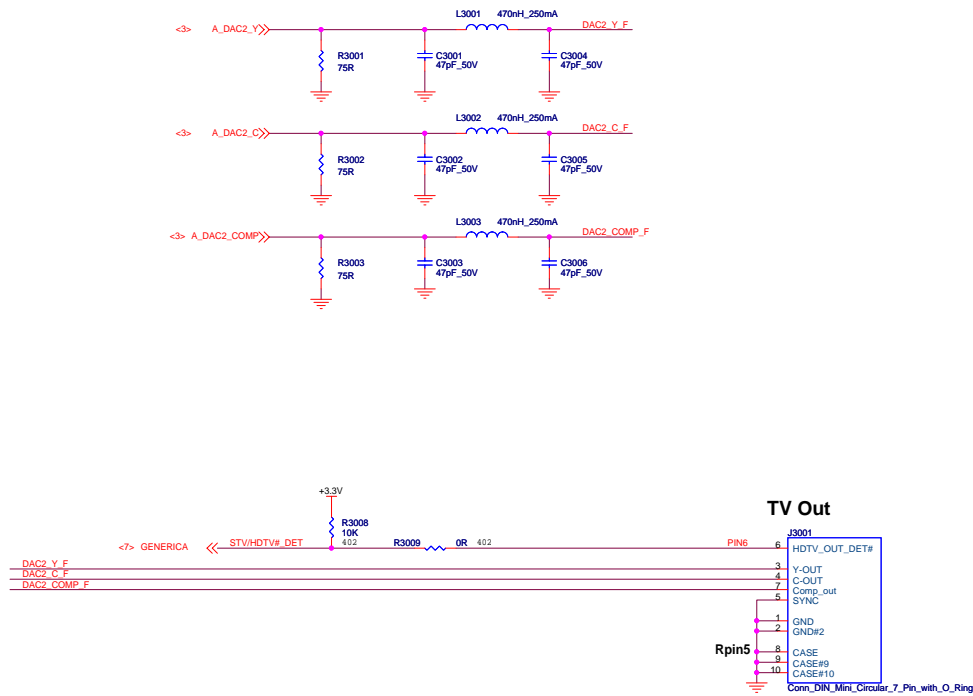




DB15 pin	Standard VGA	DDC1 Host	DDC2B or DDC2B Host	DDC2AB Host	DDC1/2 Display
11	Monitor ID bit 0	Monitor ID bit 0	Monitor ID bit 0	Monitor ID bit 0	Optional
12	Monitor ID bit 1	Monitor ID bit 1	Monitor ID bit 1	Monitor ID bit 1	Optional
4	Monitor ID bit 2	Monitor ID bit 2	Monitor ID bit 2	Monitor ID bit 2	Optional
15	Monitor ID bit 3	Open	Monitor ID bit 3	Monitor ID bit 3	Optional
9	N/C	+5V	+5V	+5V	Optional
Support	Mechanical Key	50mA min 1A max	50mA min 1A max	50mA min 1A max	Yes

Based on VESA Display Data Channel (DDC) Standard Ver. 3 Dec. 15, 1997





CONFIDENTIAL & PROPRIETARY TO ADVANCED MICRO DEVICES INC.  
 72007 Advanced Micro Devices  
 This AMD Board schematic and design is the exclusive property of AMD, and is provided only to entities under a non-disclosure agreement with AMD for evaluation purposes. Further distribution or disclosure is strictly prohibited. Use of this schematic and design for any purpose other than evaluation requires a Board Technology License Agreement with AMD. AMD makes no representations or warranties of any kind regarding this schematic and design, including, not limited to, any implied warranty of merchantability or fitness for a particular purpose, and disclaims responsibility for any consequences resulting from use of the information included herein.

Advanced Micro Devices Inc.  
 1 Commerce Valley Drive East  
 Markham, Ontario



Date: Wednesday, March 10, 2008  
 Sheet 19 of 23

Rev 1

Title RH RV670 - TV OUT

Doc No. 105-B340xx-00B



ASSY-SCREW1  
SCREW  
JACKPOST, HEX, 3/16 AF, 4-40 INT/EXT  
<3rd part field>

ASSY-SCREW2  
SCREW  
JACKPOST, HEX, 3/16 AF, 4-40 INT/EXT  
<3rd part field>

ASSY-SCREW3  
SCREW  
JACKPOST, HEX, 3/16 AF, 4-40 INT/EXT  
<3rd part field>

ASSY-SCREW4  
SCREW  
JACKPOST, HEX, 3/16 AF, 4-40 INT/EXT  
<3rd part field>

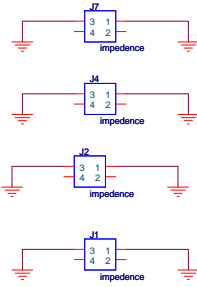
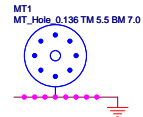
ASSY1  
ANTISTATIC  
BAG  
6\_X\_11

BKT1  
BRACKET  
8020038600G

ASSY-SCREWS5  
SCREW  
SCREW

BKT2  
BRACKET  
80200386B0G

BKT1: DVI - DIN-DVI  
BKT2: DVI - DVI  
ASSY-SCREWS only for Slim-VGA with upper or lower tab bracket



CONFIDENTIAL & PROPRIETARY TO ADVANCED MICRO DEVICES INC.  
©2007 Advanced Micro Devices  
This AMD Board schematic and design is the exclusive property of AMD, and is provided only to entities under a non-disclosure agreement with AMD for evaluation purposes. Further distribution or disclosure is strictly prohibited. Use of this schematic and design for any purpose other than evaluation requires a Board Technology License Agreement with AMD. AMD makes no representations or warranties of any kind regarding this schematic and design, including, not limited to, any implied warranty of merchantability or fitness for a particular purpose, and disclaims responsibility for any consequences resulting from use of the information included herein.

Advanced Micro Devices Inc.  
1 Commerce Valley Drive East  
Markham, Ontario



Date: Friday, March 28, 2008  
Sheet 21 of 23

Rev 1

Title RH RV670 - Mechanical

Doc No. 105-B340xx-00B



Title	RH PCIE RV670 512MB GDDR3 DUAL DL-DVI-I VO FH
-------	---

Schematic No.  
105-B340xx-00B

Date:  
Thursday, March 13, 2008

**REVISION HISTORY**

**NOTE:** This schematic represents the PCB, it does not represent any specific SKU.  
 For Stuffing options (component values, DNI , ? please consult the product specific BOM.  
 Please contact AMD representative to obtain latest BOM closest to the application desired.

Rev 1

Sch Rev	PCB Rev	Date	REVISION DESCRIPTION
0	00A	07/05/11	Initial design for RV670 GDDR3 (Revival) based on B339
1	00B	07/08/1	(pg 1) Adding R1 and connecting switch #7 of TSW1. Some mother boards require B7 to be grounded. Table-1 updated accordingly (pg 7) Adding R64 and MR64 to select HOT_PLUG_DET or ThermINT as the interrupt source. (pg 13) Adding R1617, MR1617, R1616, Q1613, R1615, R1618, and R1619 as option to support hot plug detection of external cable. (pg 13) Adding R1282, MR1282, R1283, MR1283, R1284, MR1284, R1281, R1285, Q1280, and C1280 as option for thermal protection for VDDC SMPS MOSFETs (pg 13) Adding MC1603 (overlapped with C1603) (pg 14) Adding D870 as option for power up sequencing (pg 18) Adding heatsink symbol/footprint  (Layout) Increasing spacing between DDC4DATA & DDC4CLK going to U1270 to reduce the crosstalk



