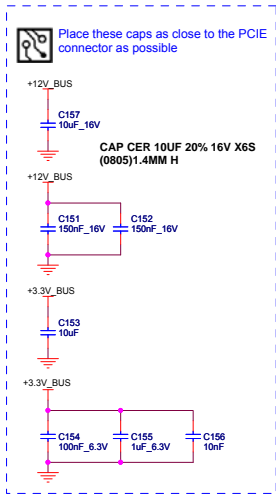




PCIe RESET Buffered



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

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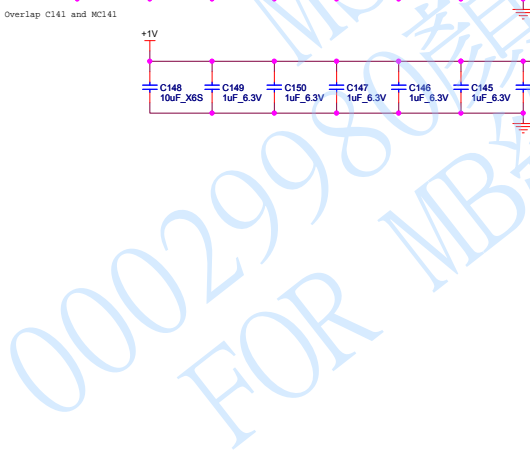
Date: Wednesday, November 17, 2010

Sheet 1 of 24

Rev 01

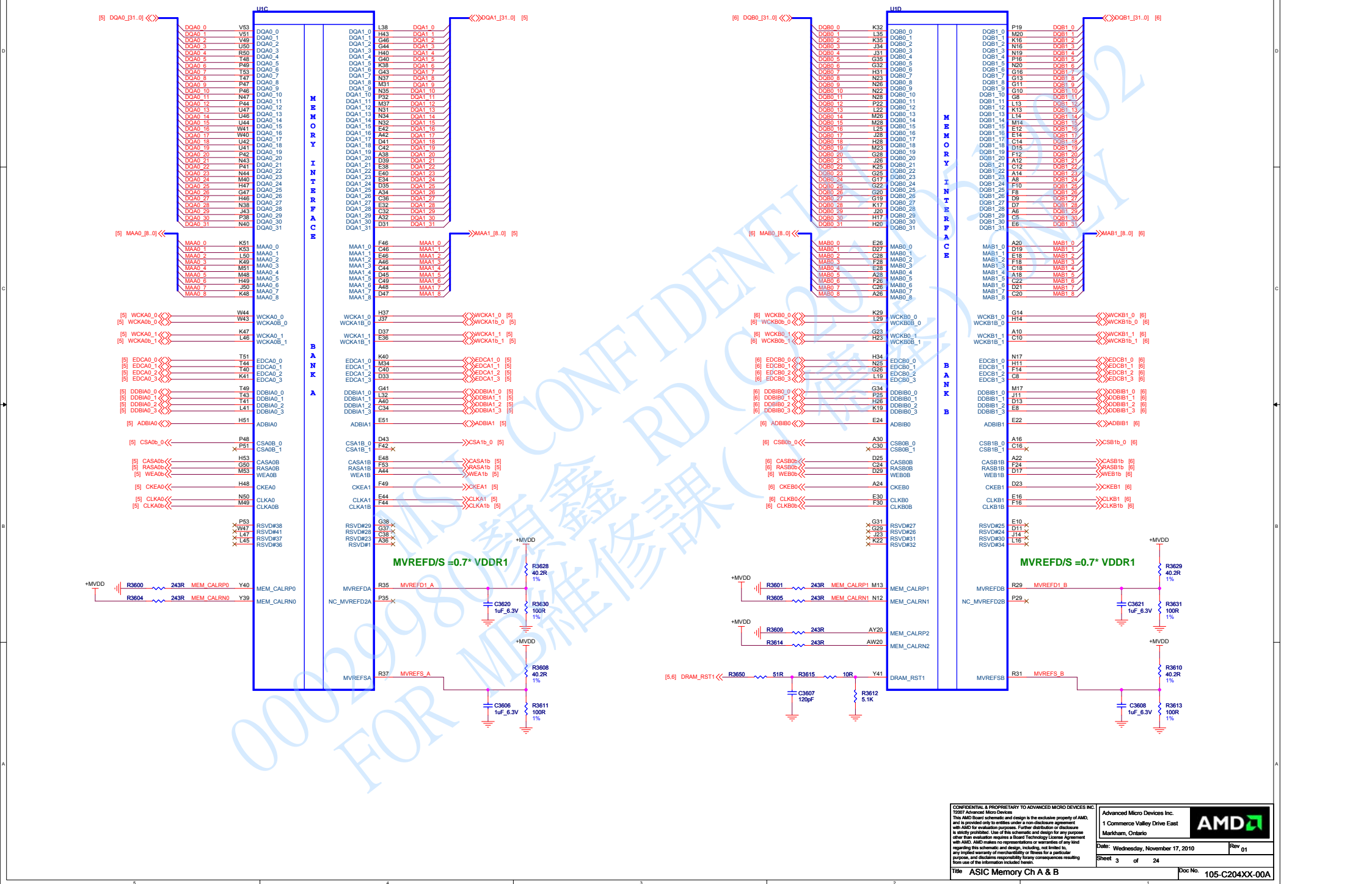
Title **PCIE EDGE CONNECTOR**

Doc No.	105-C204XY-00A
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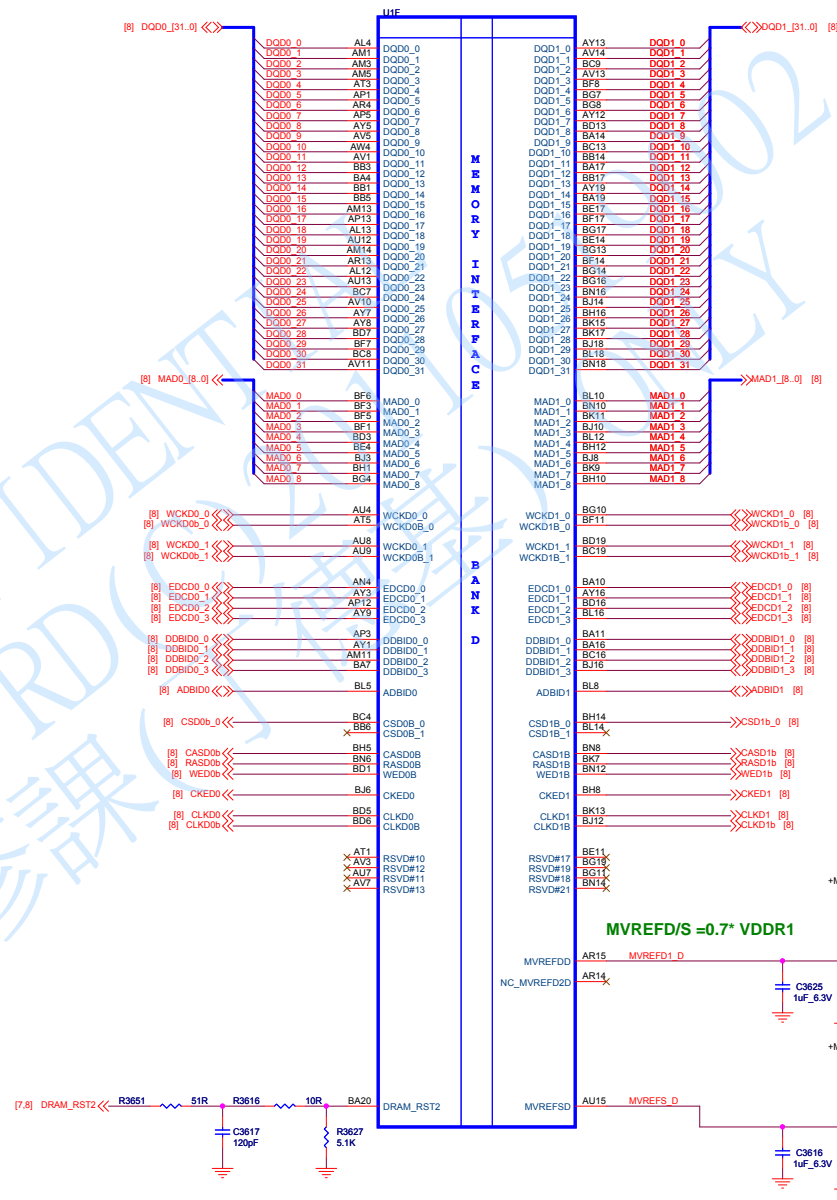
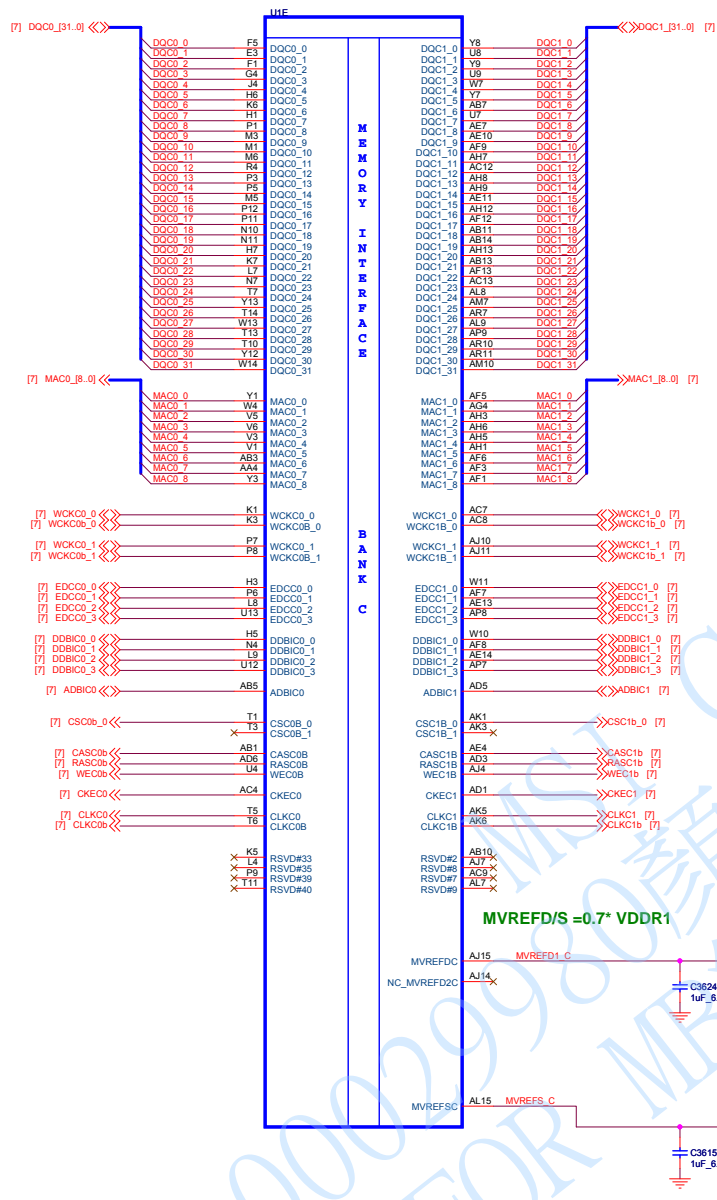


Doc No.	105-C204XX-00A
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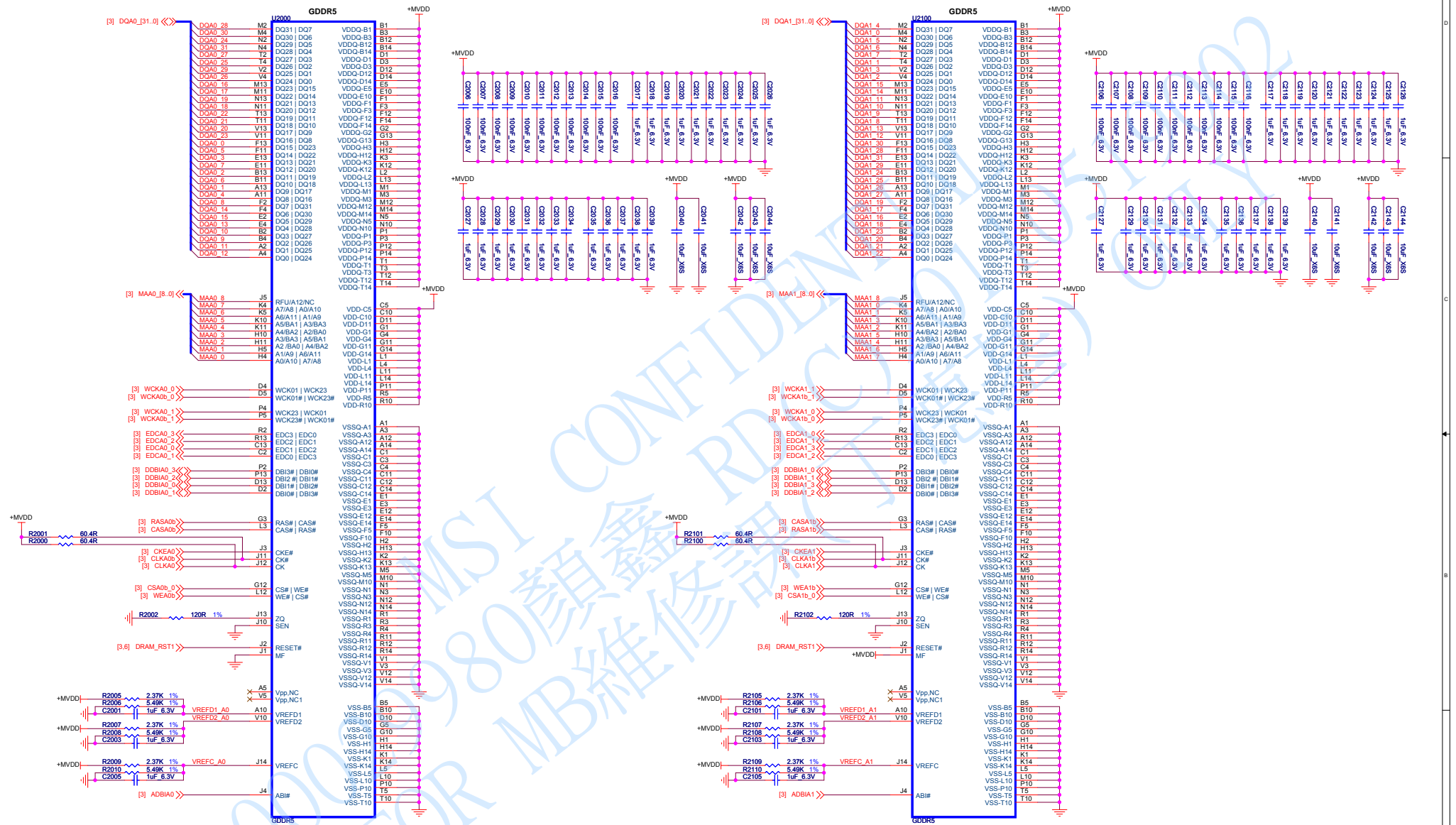
(3) CAYMEN MEM Interface Ch A&B



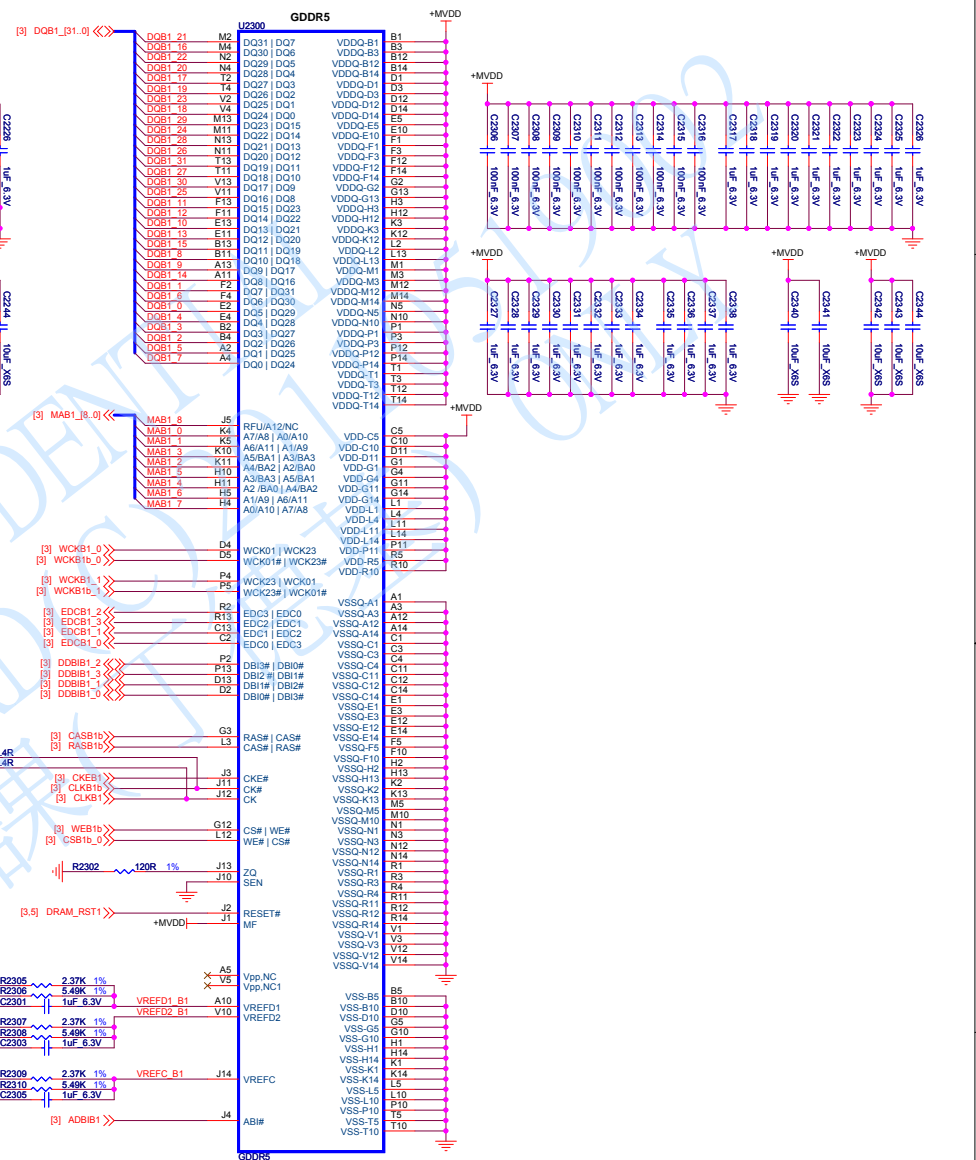
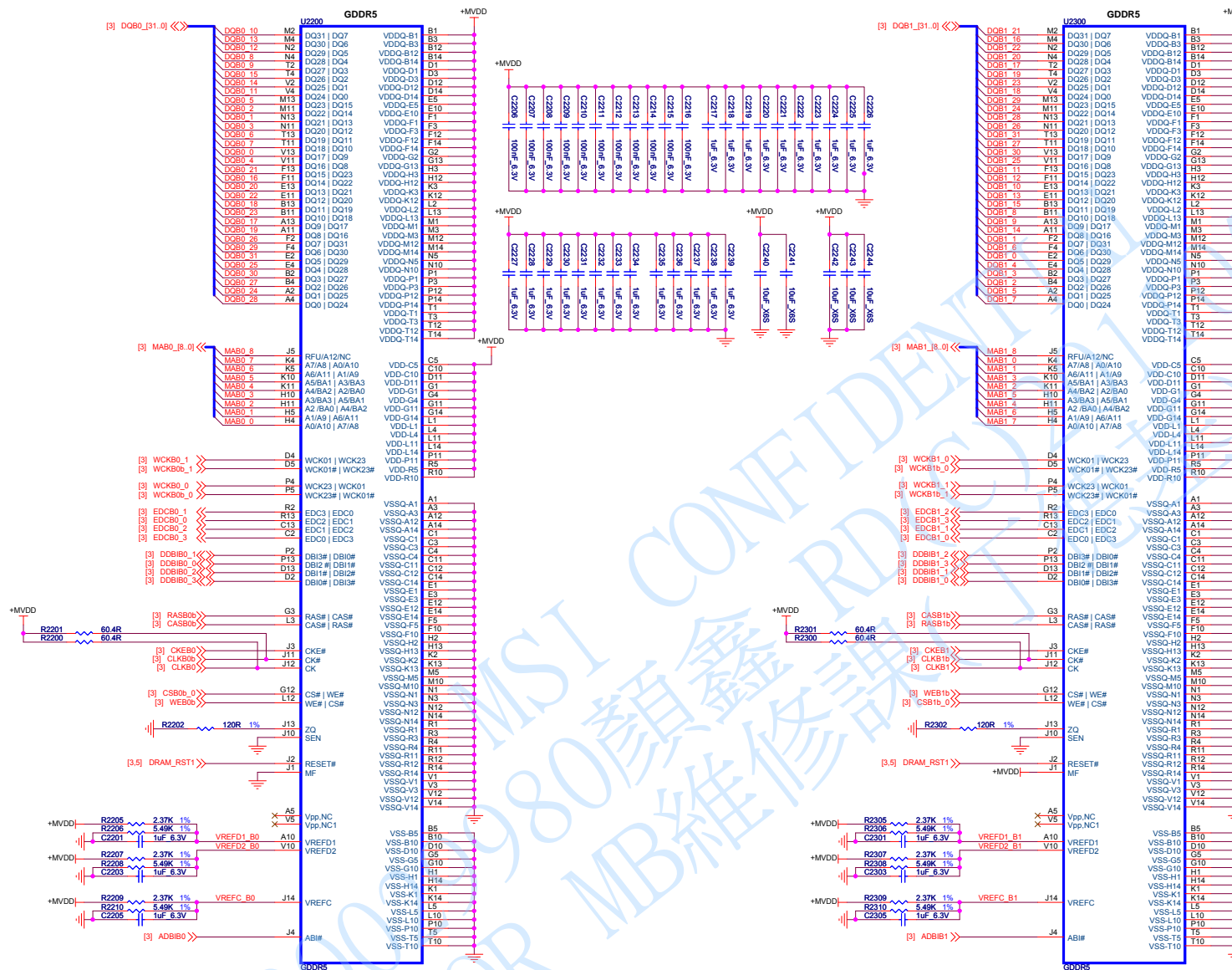
(4) CAYMEN MEM Interface Ch C&D




(5) GDDR5 Memory Channel A



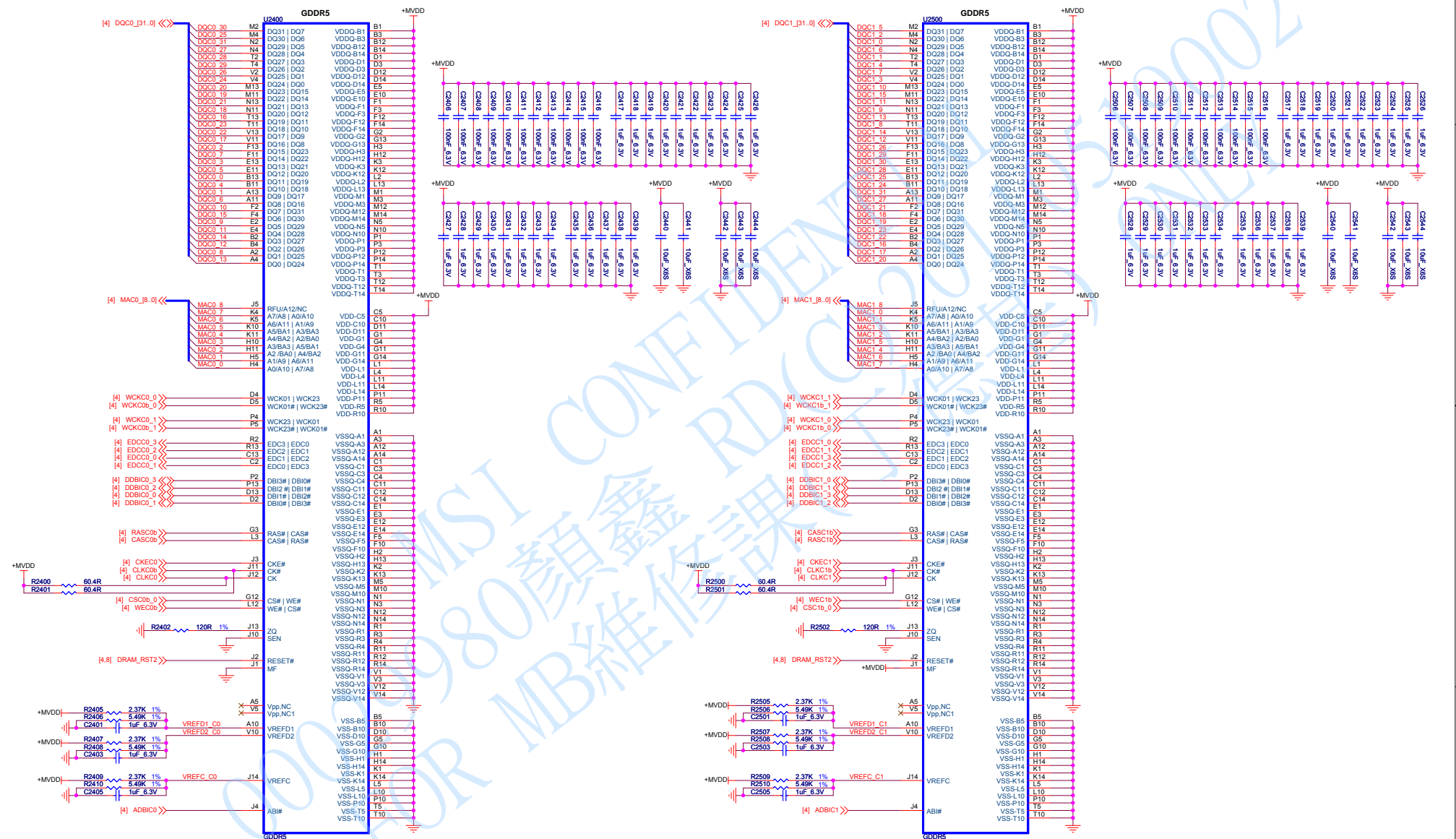
(6) GDDR5 Memory Channel B



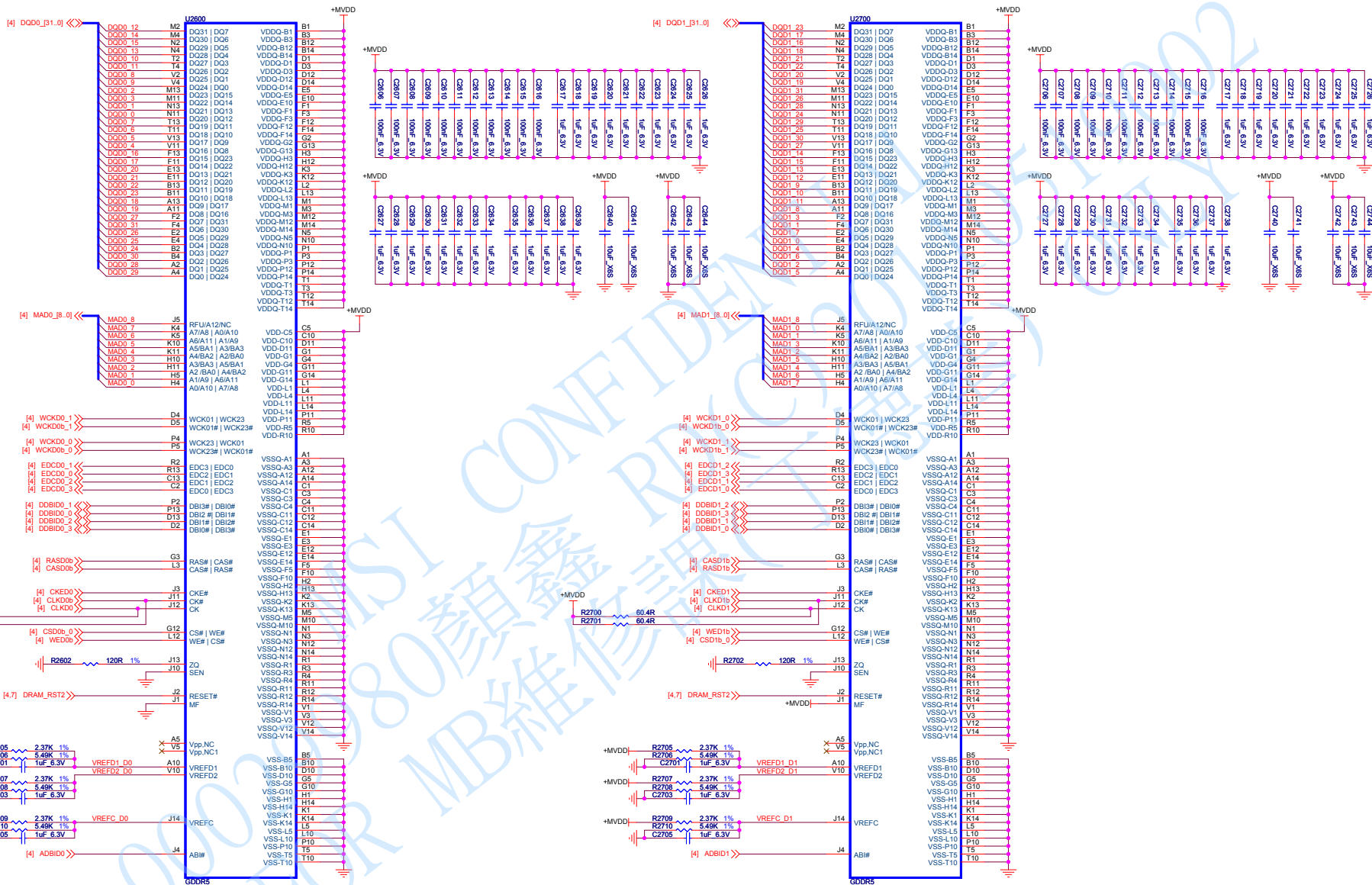
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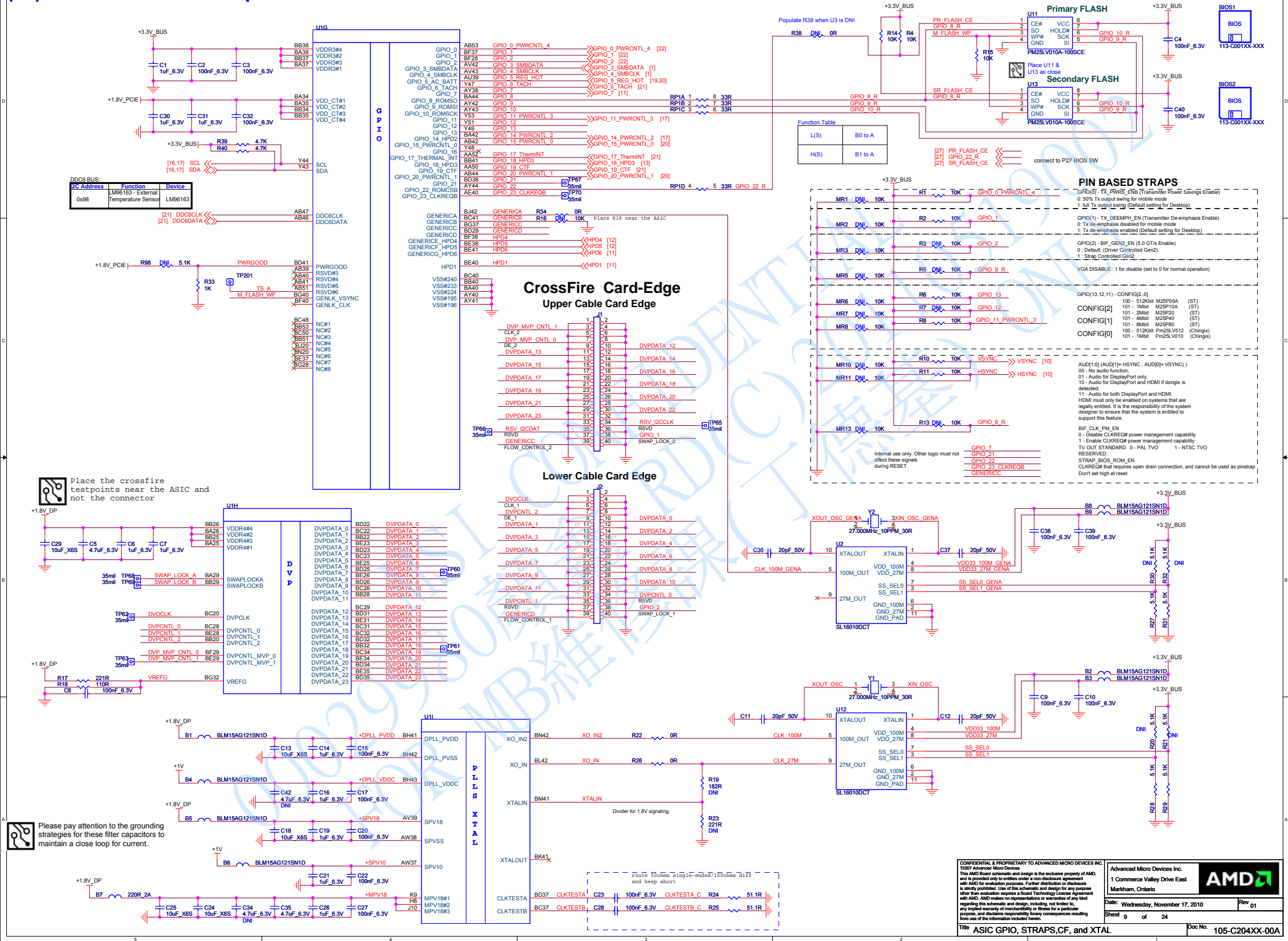
(7) GDDR5 Memory Channel C



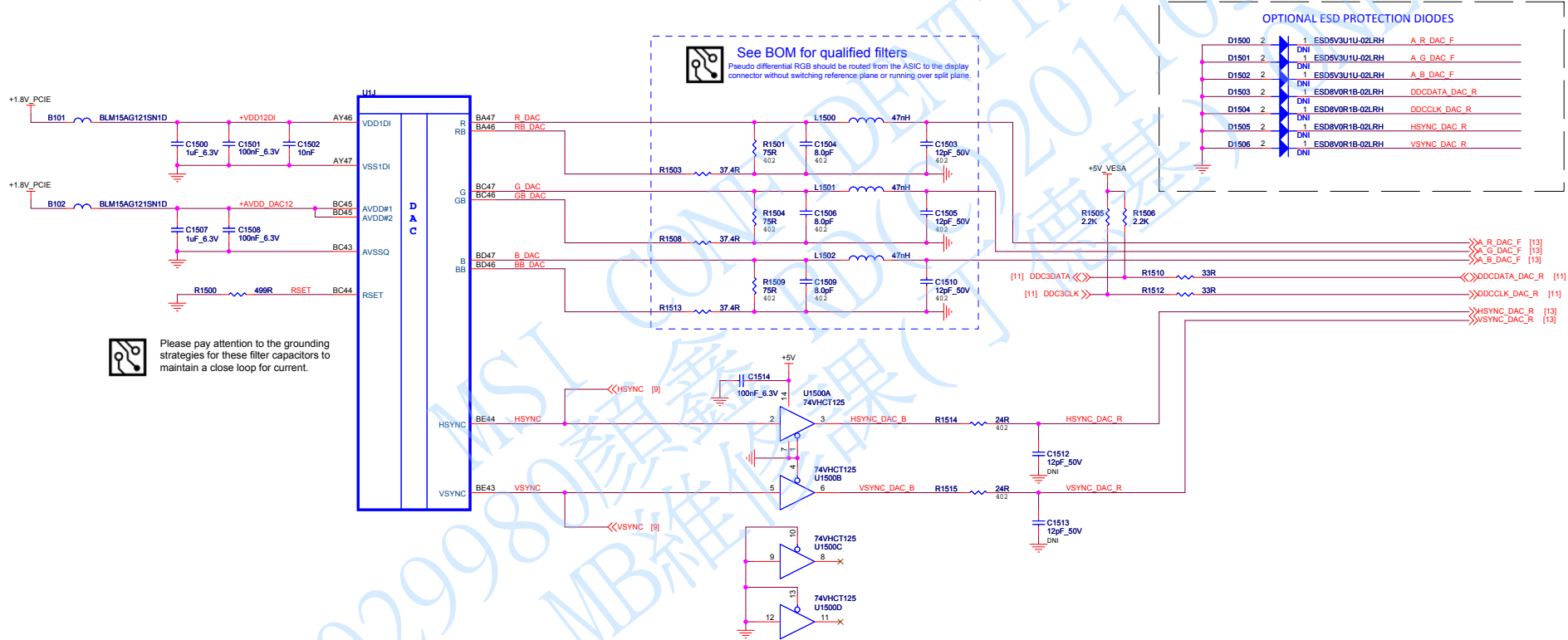
(8) GDDR5 Memory Channel D



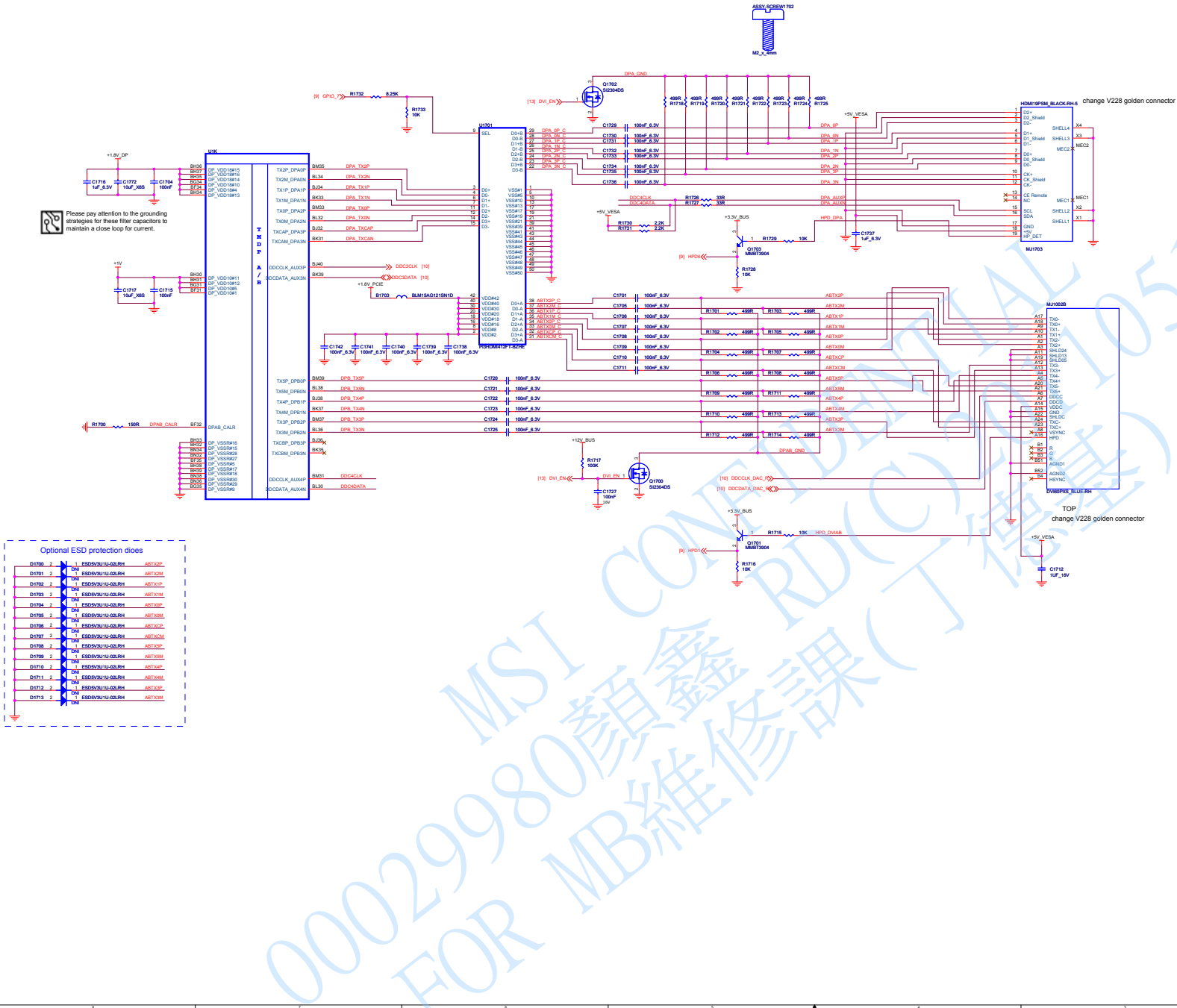
(09) CAYMEN GPIOs Strap CF XTAL OSC



(10) CAYMEN DAC



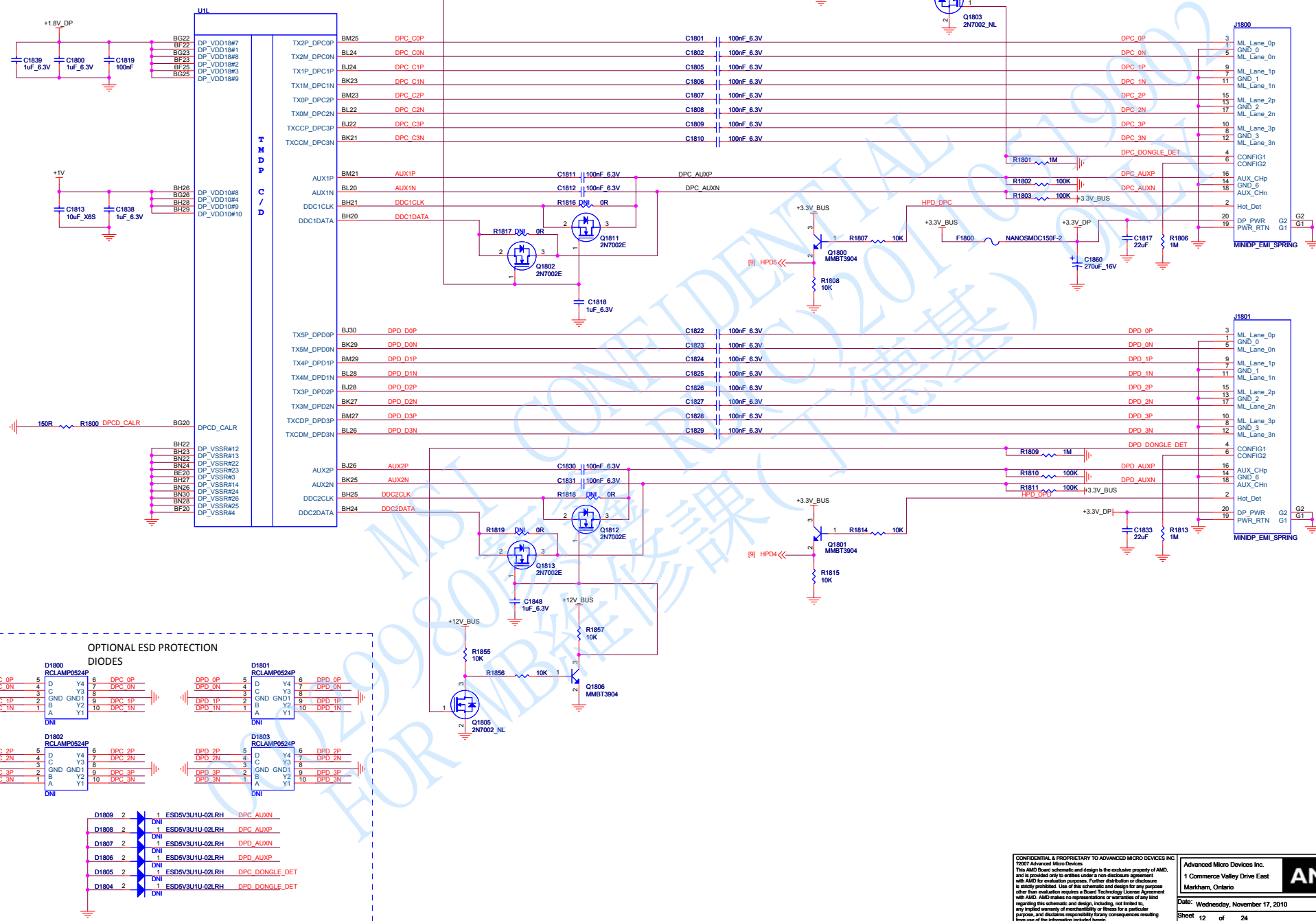
(11) CAYMEN TMD5 A&B



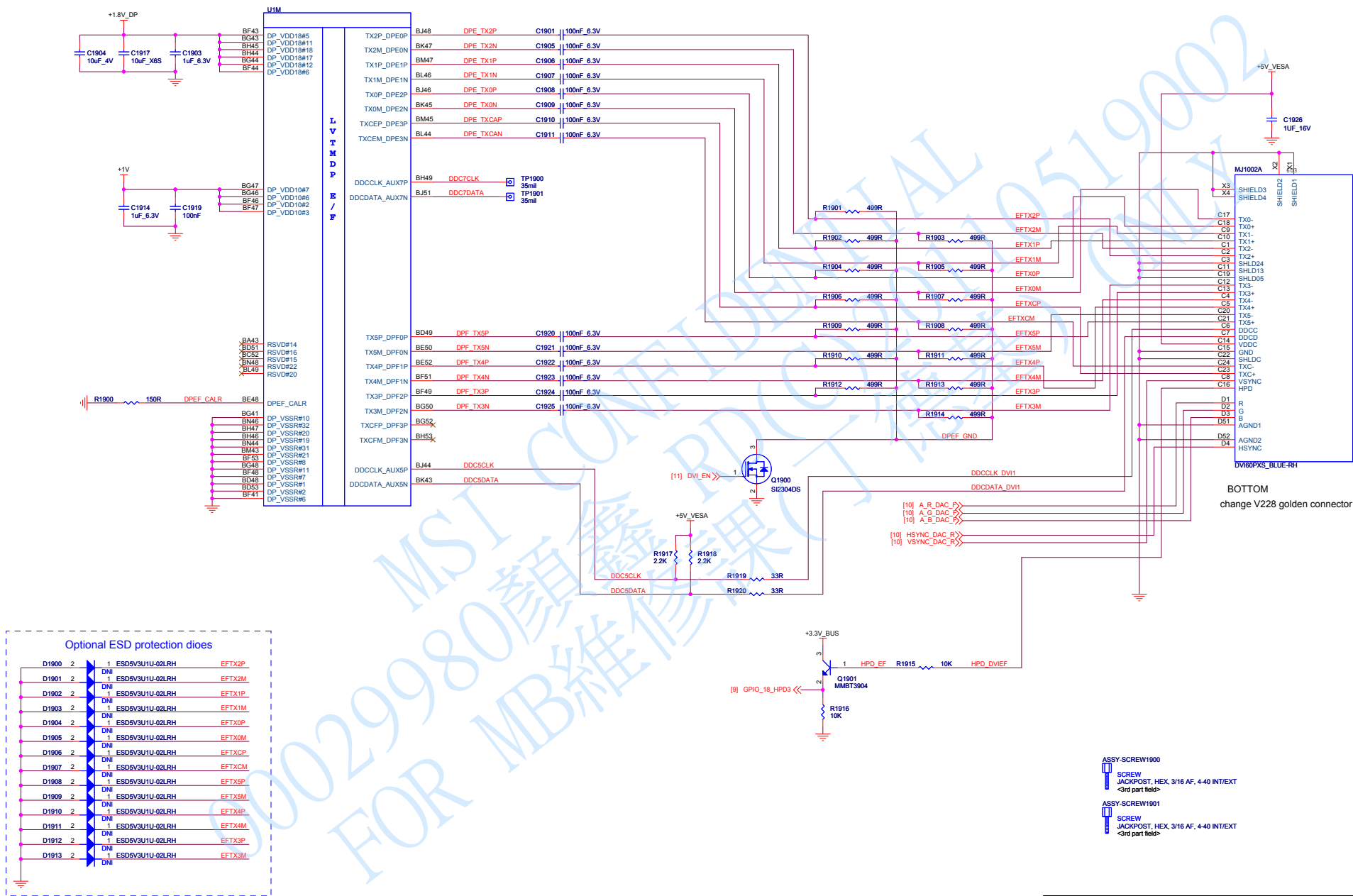
ASPY-SCREW1700
SCREW
JACKPOST, HEX, 316 AF, 4-40 INTXCT
3rd part field

ASPY-SCREW1701
SCREW
JACKPOST, HEX, 316 AF, 4-40 INTXCT
3rd part field

(12) CAYMEN DP C&D



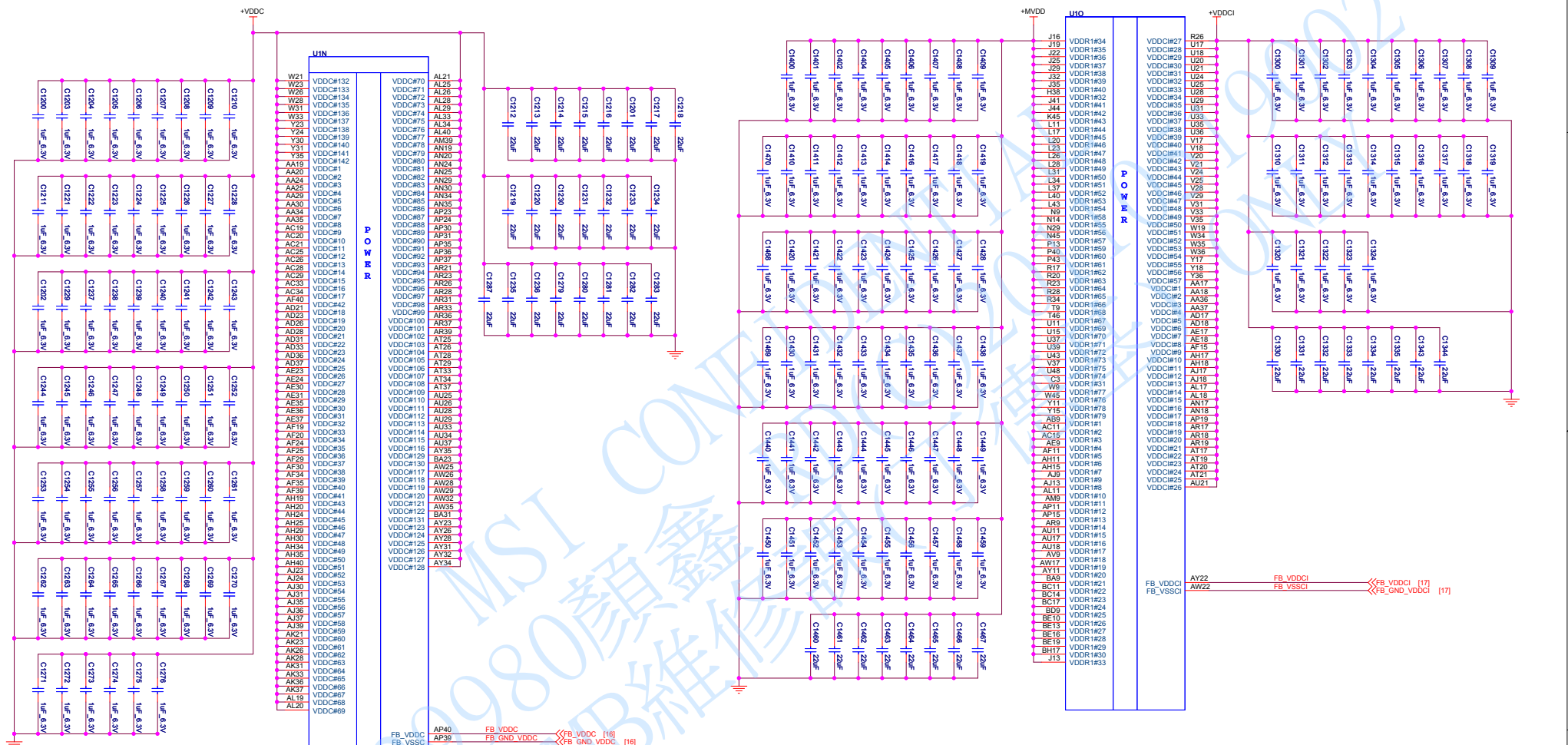
(13) CAYMEN LVTMDP E&F



BOTTOM
change V228 golden connector


- ASSY-SCREW1900
- SCREW JACKPOST, HEX, 3/16 AF, 4-40 INT/EXT
<3rd part field>
- ASSY-SCREW1901
- SCREW JACKPOST, HEX, 3/16 AF, 4-40 INT/EXT
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(14) CAYMEN Power

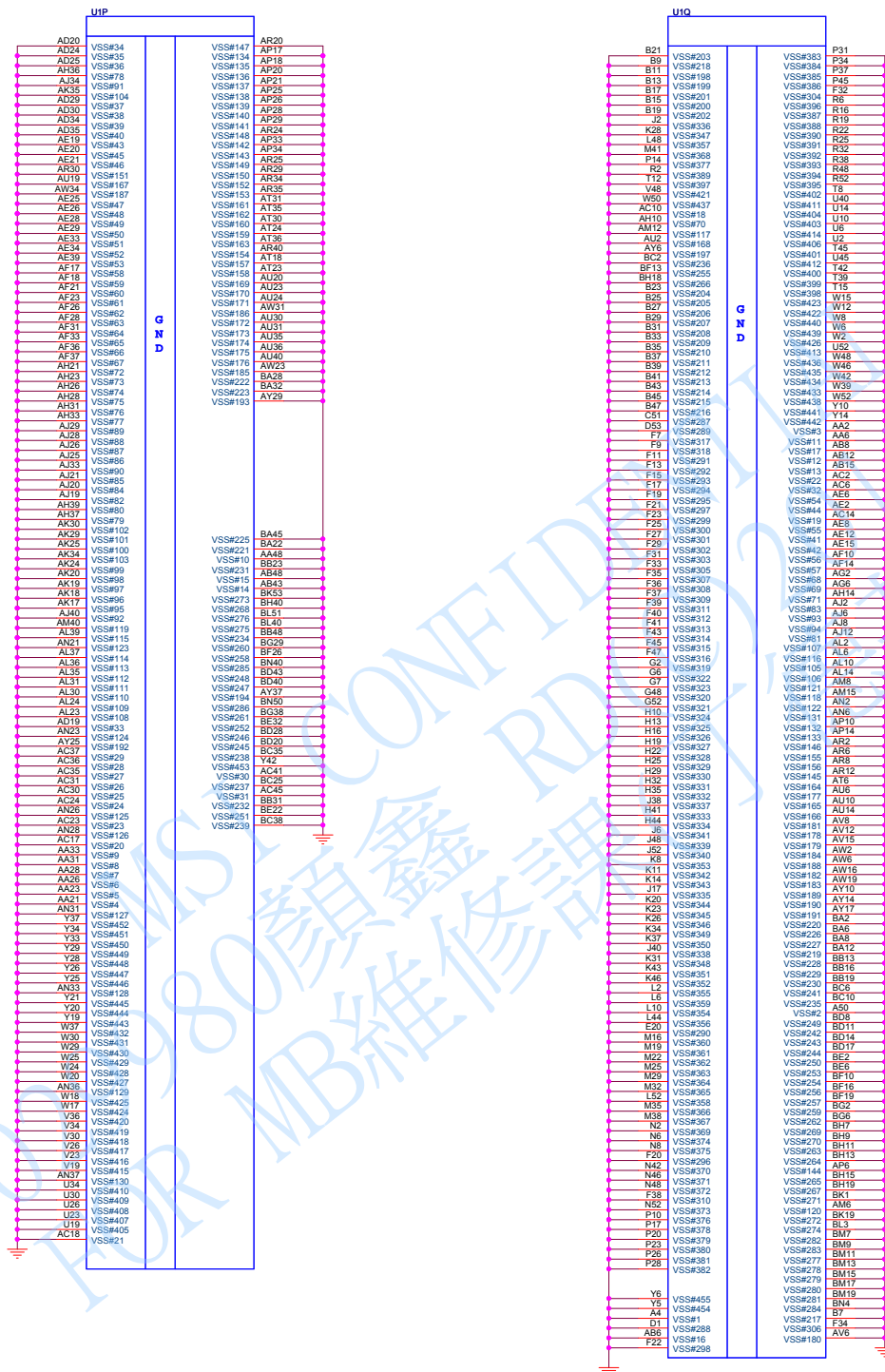


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(15) CAYMEN GND



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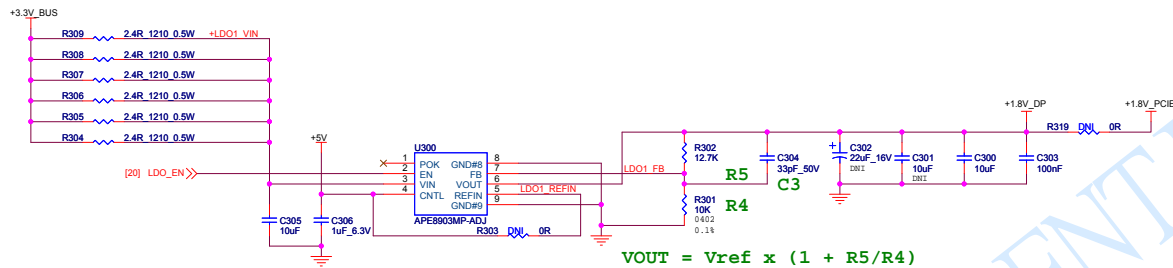
Date: Wednesday, November 17, 2010	Rev 01
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Title ASIC GND

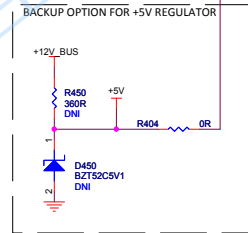
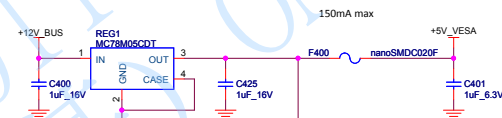
Doc No. 105-C204XX-004

(18) CAYMEN Small Rail Regulators

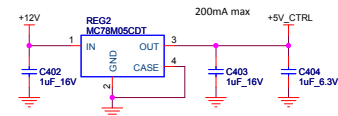
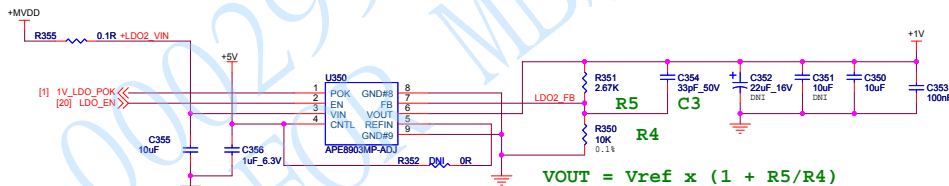
LDO #1: Vin = 2.3V to 3.6V MAX Vout = +1.8V +/- 2% Iout = 2.0A (TBV) RMS MAX
PCB: 50 to 70mm sq. copper area for cooling



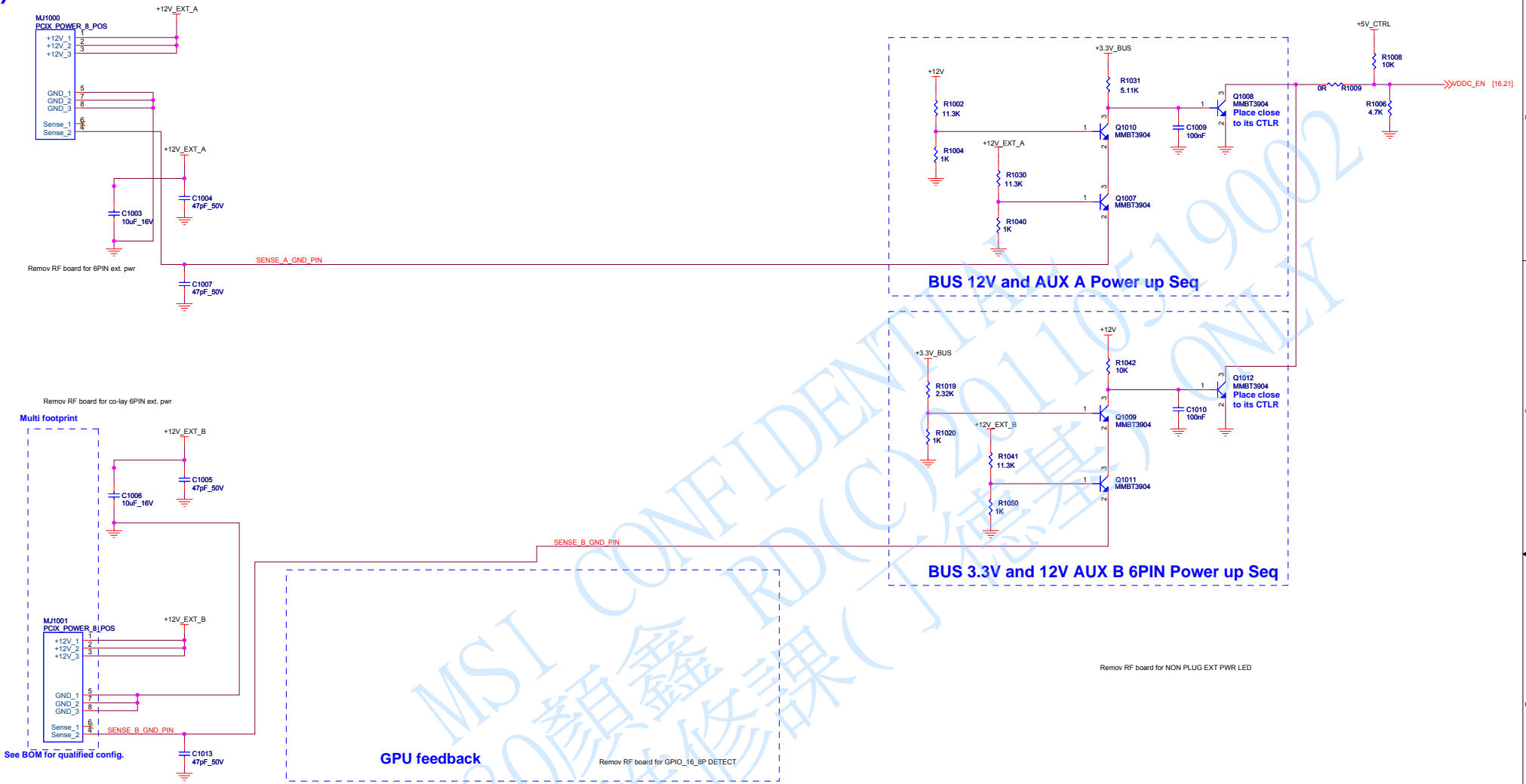
Regulators for +5V, +5V_VESA and +5V_HDMI
Iout max = 150mA (DVI+HDMI)



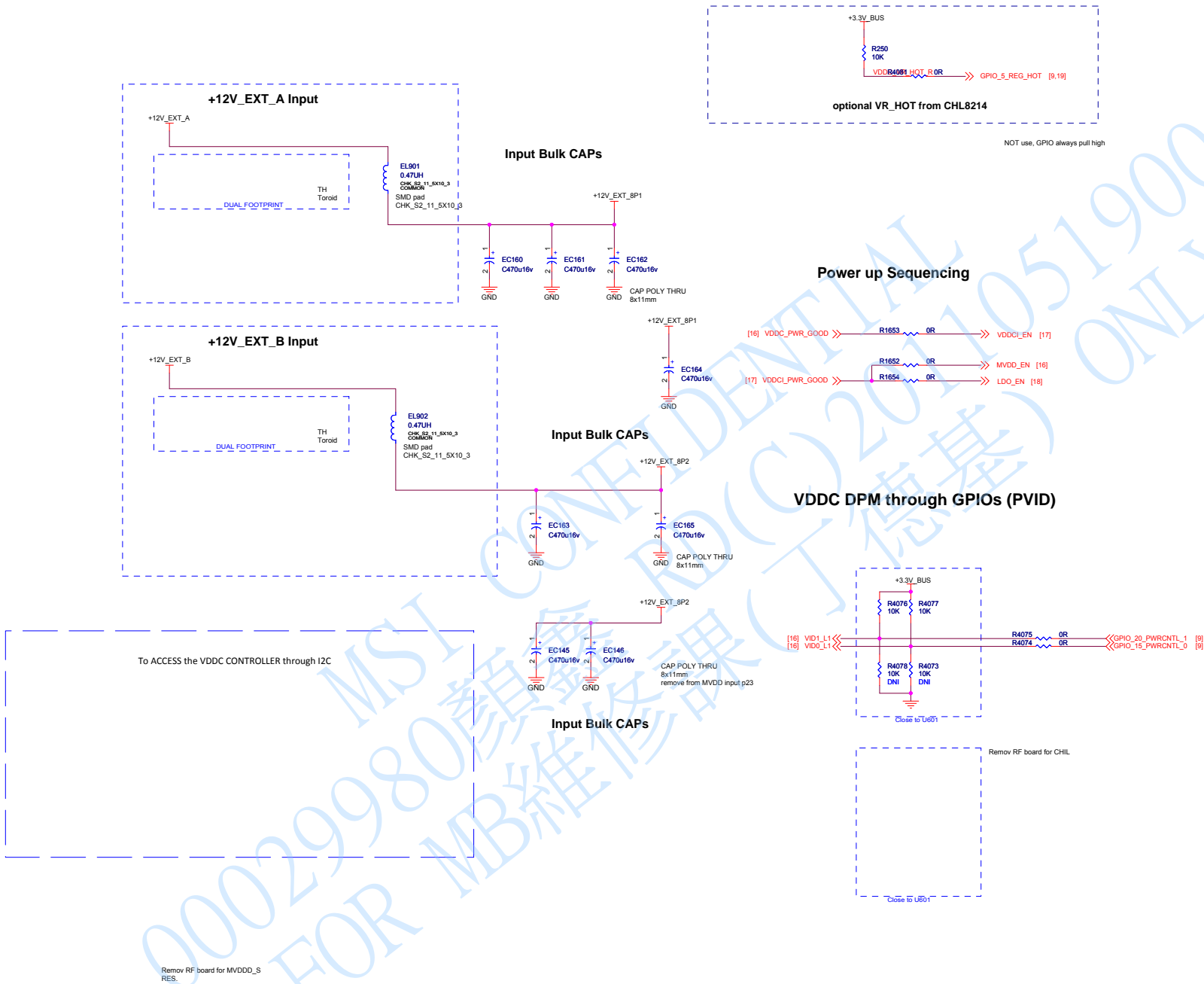
LDO #2: Vin = +1.40V to 1.8VMAX Vout = +1V +/- 2% Iout = 1.5A (TBV) RMS MAX
PCB: 50 to 70mm sq. copper area for cooling



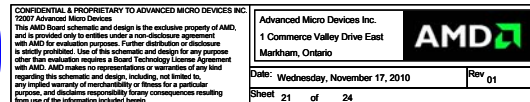
(19) CAYMEN POWER MGMNT



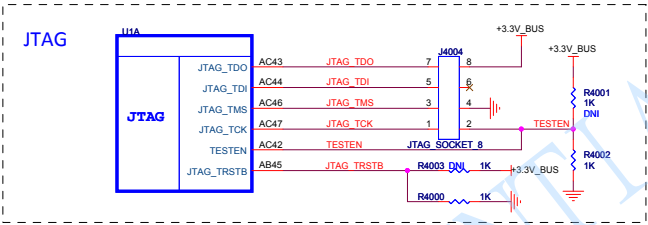
(20) CAYMEN POWER MANAGEMENT 2



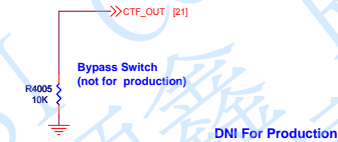
Use Q203 2020002300G, R200, R215, D1719
and C3609 for cheaper fan controller.
Requires big change in fan table.



(22) CAYMEN Debug Circuits



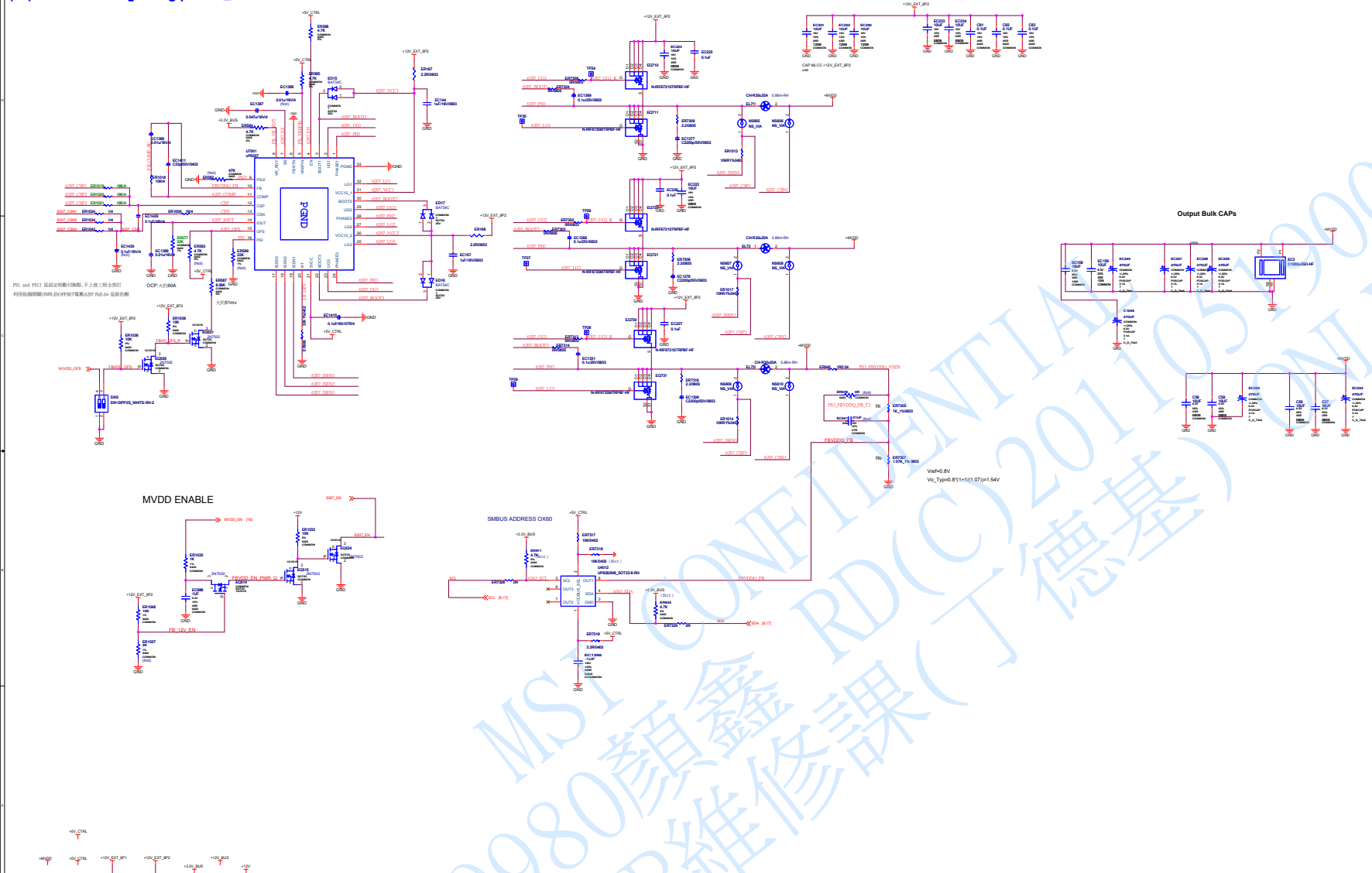
SWITCH CONNECTIONS TO PINSTRAPS

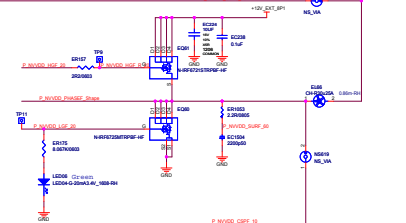
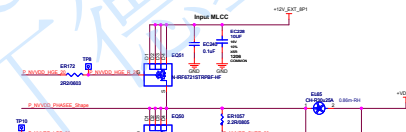
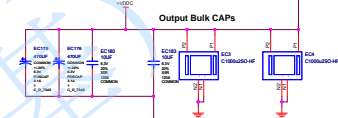



LED RED "ON" shows Fault

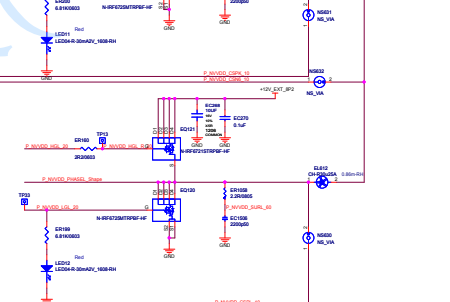
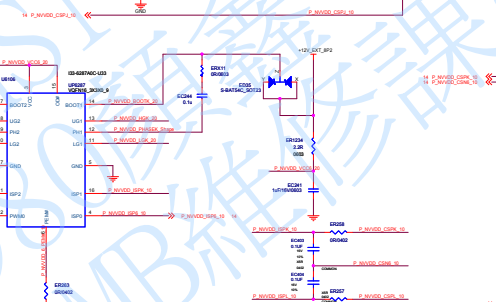
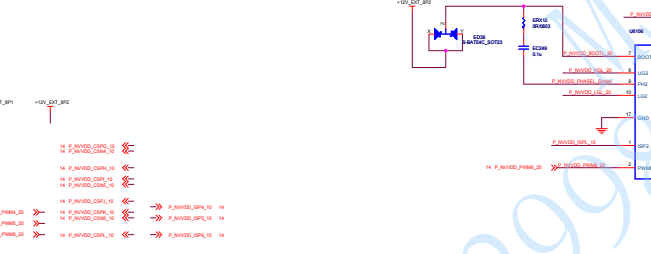
Remov RF board for CTF LED RES.

(23) CAYMEN XT lightning power _MVDD

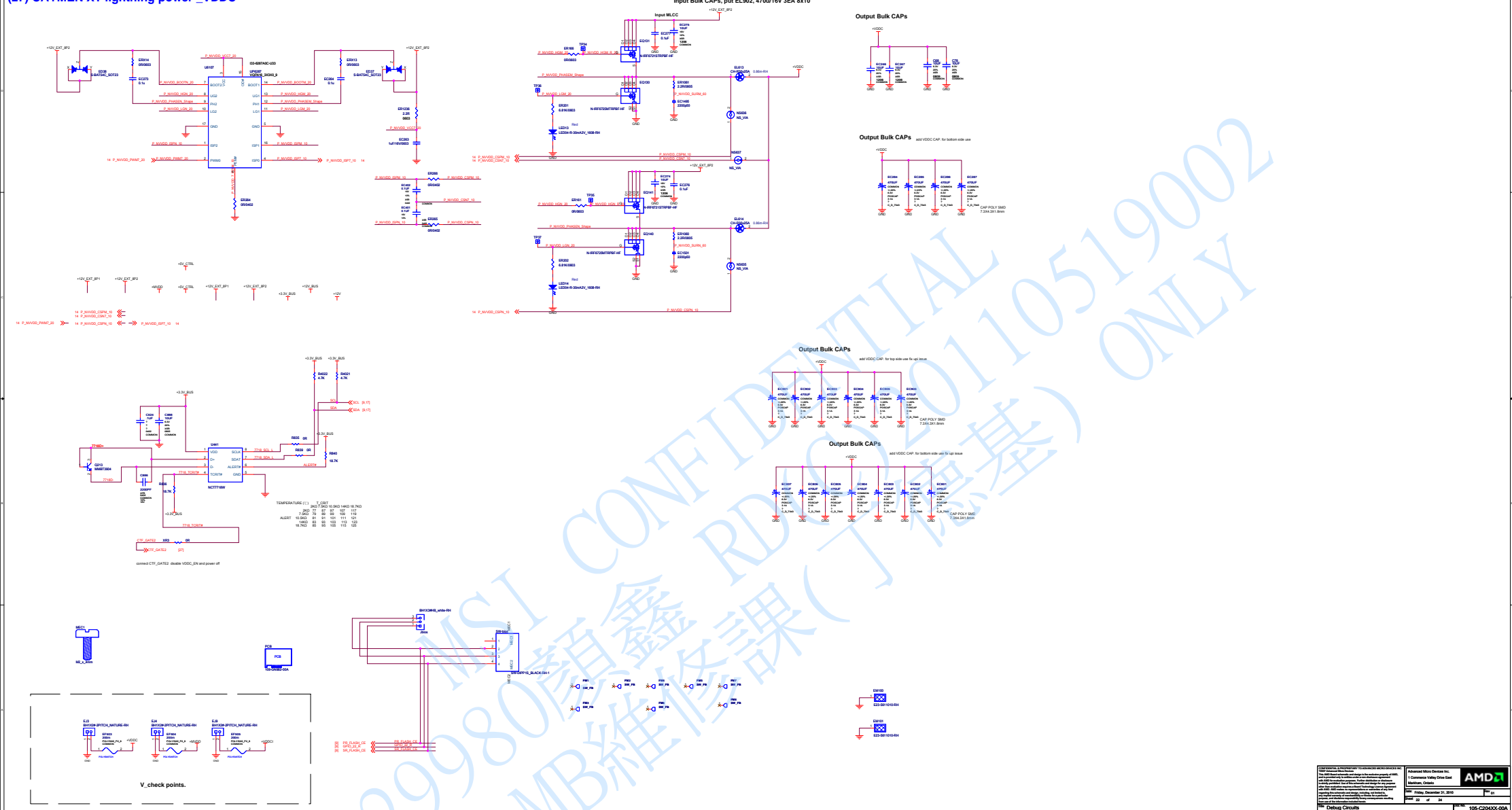




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Title: Debug Circuits		Part No: 105-C204XX-00A	

[illegible]

(27) CAYMEN XT lightning power _VDDC





RH CAYMAN GDDR5 2GB 64Mx32 mDP mDP HDMI stacked-DVI

105-C204XX-00A

Wednesday, November 17, 2010

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 01

Sch Rev	PCB Rev	Date
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REVISION DESCRIPTION

Please contact AMD representative to obtain latest BOM closest to the application desired.

REVISION DESCRIPTION	
MSI CONFIDENTIAL RD(C)20110519002 ONLY 00029980 顏鑫 FOR MB維修課(丁德基)	