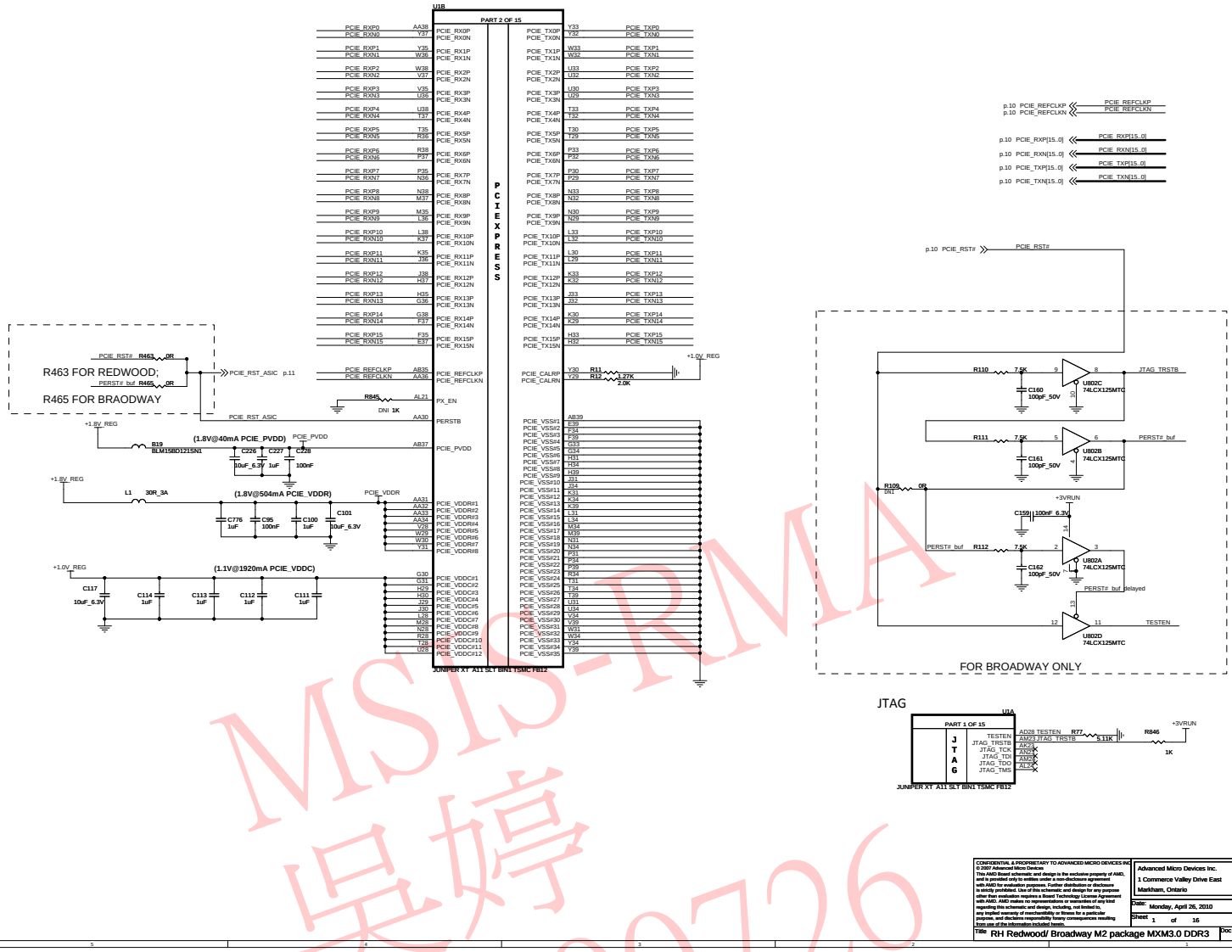

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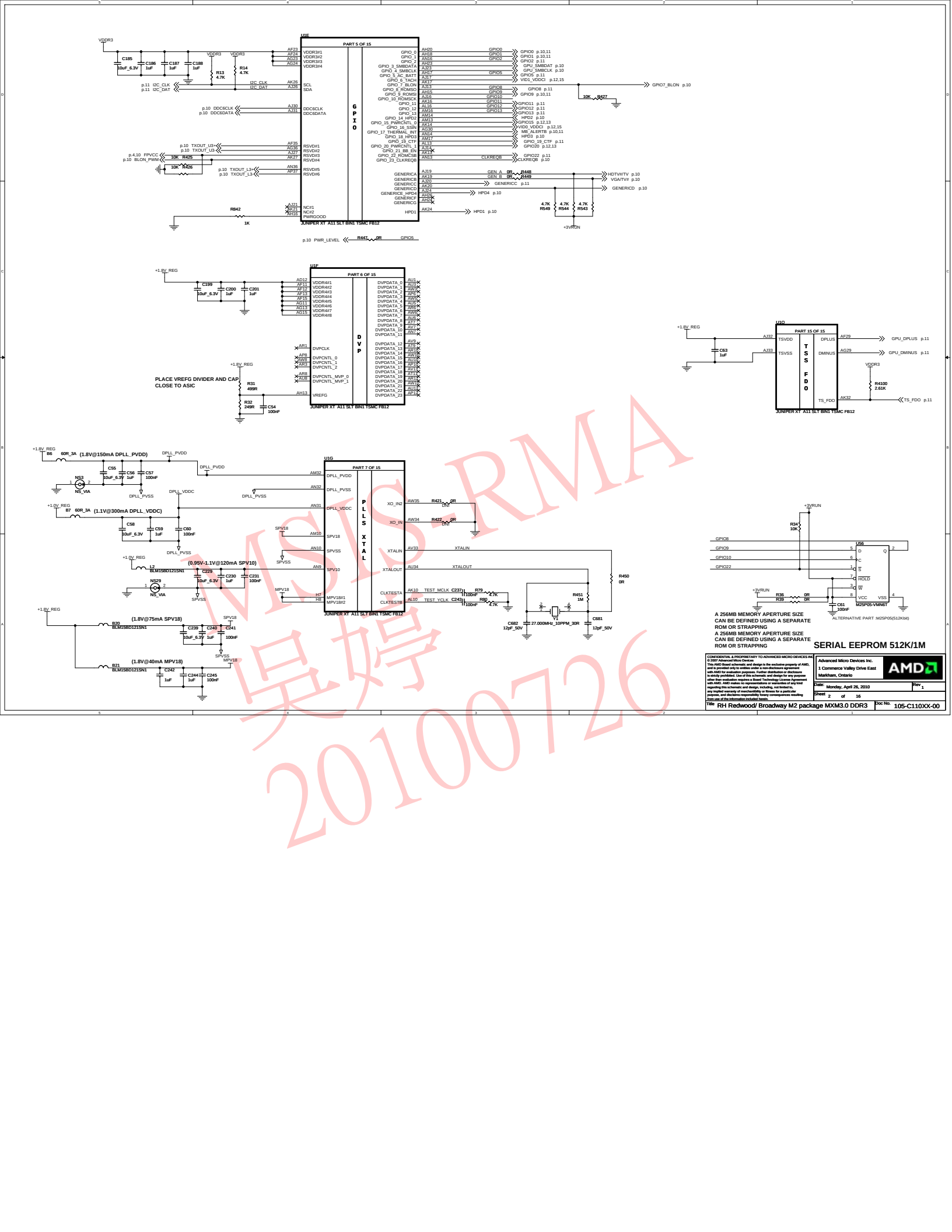

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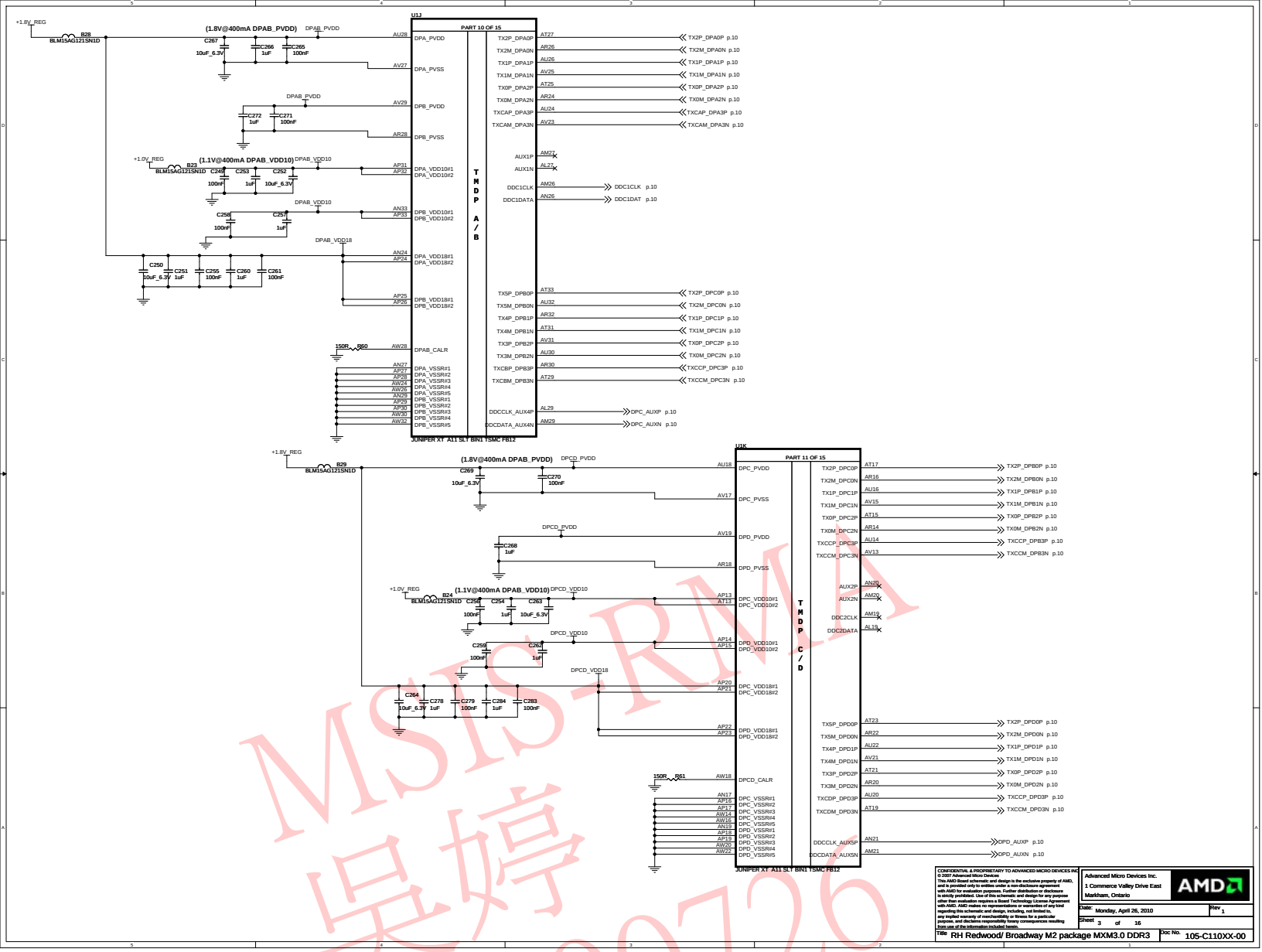

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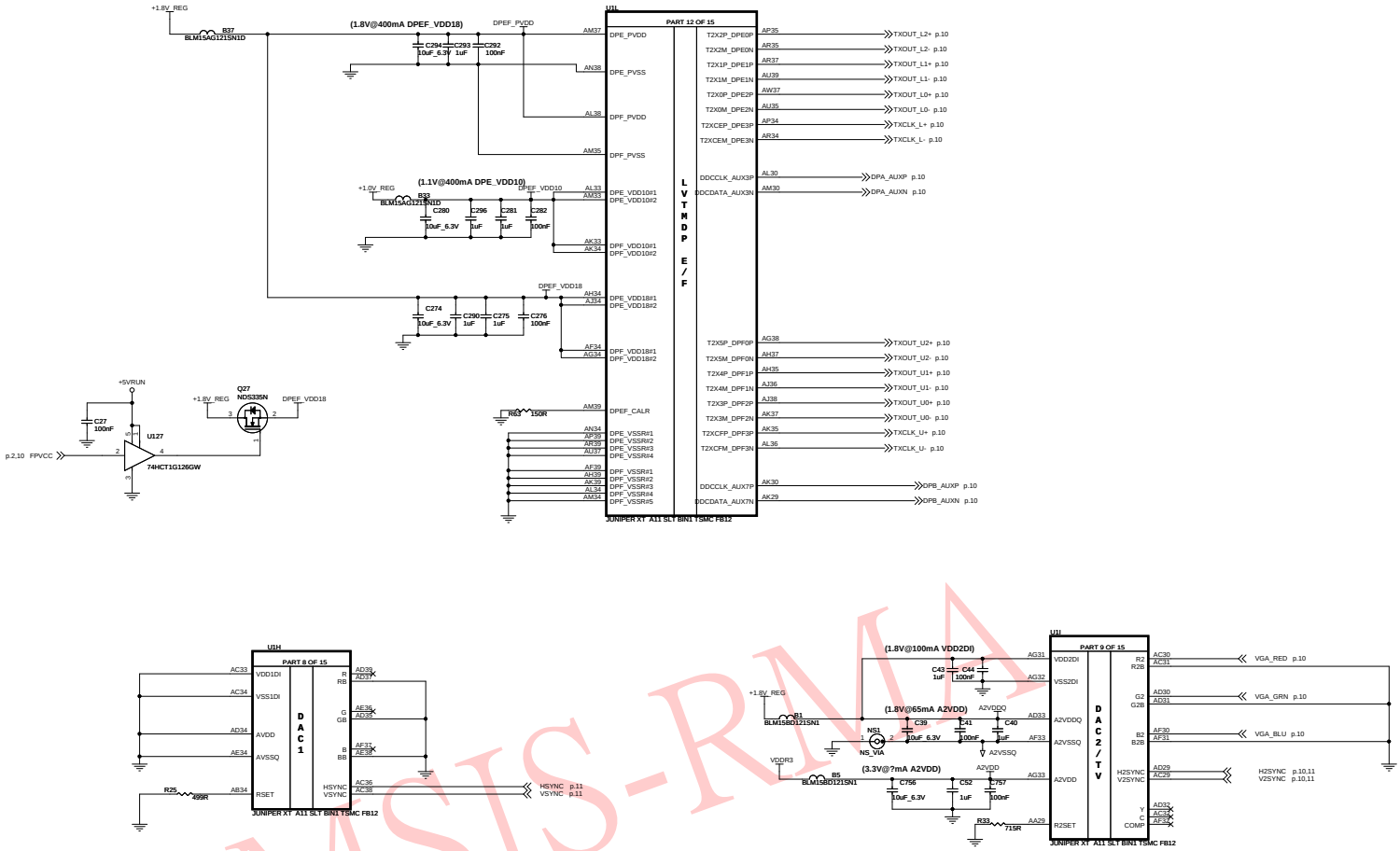

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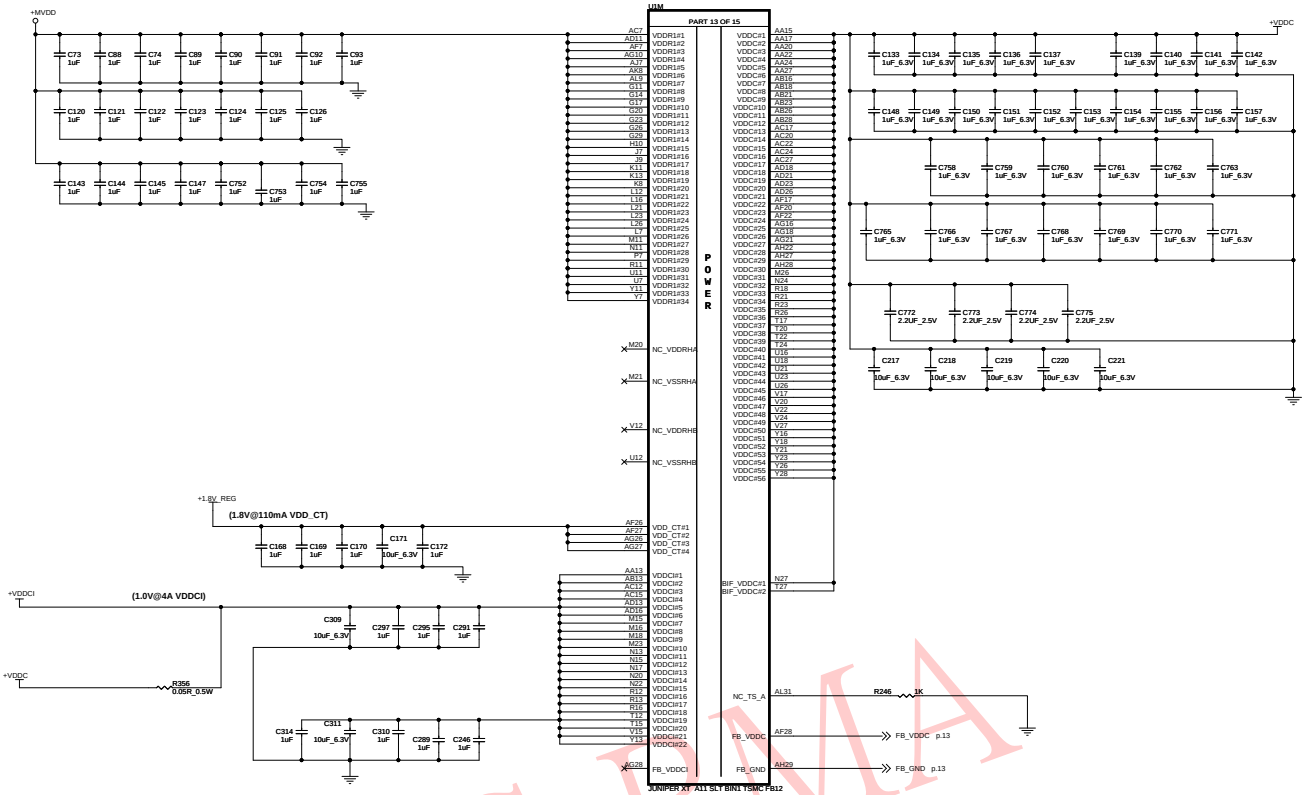

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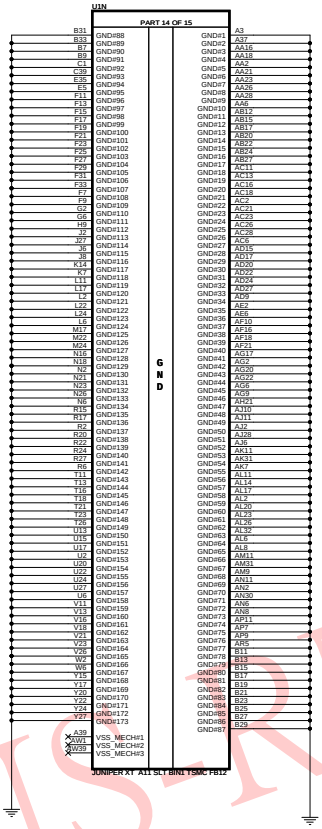

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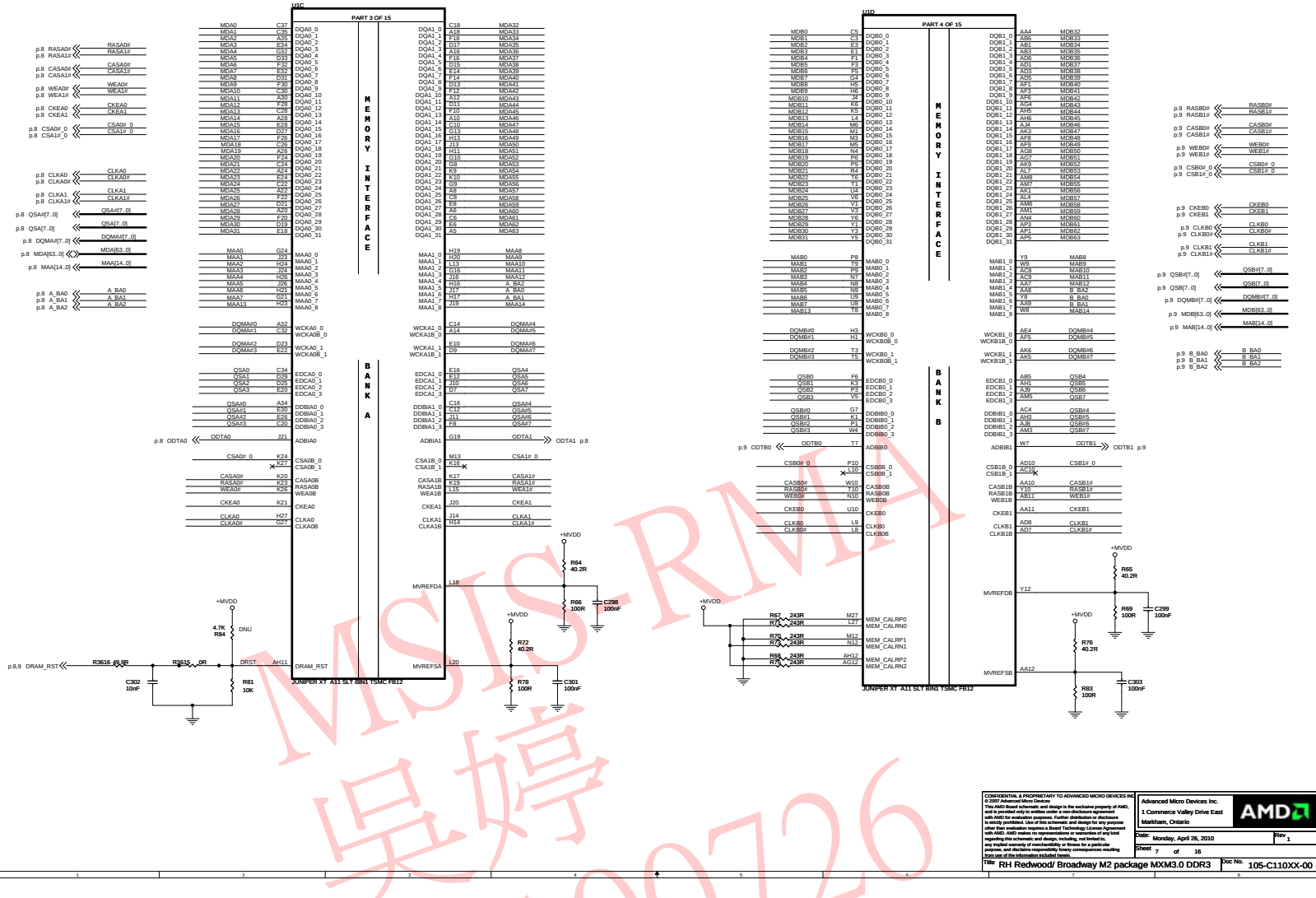

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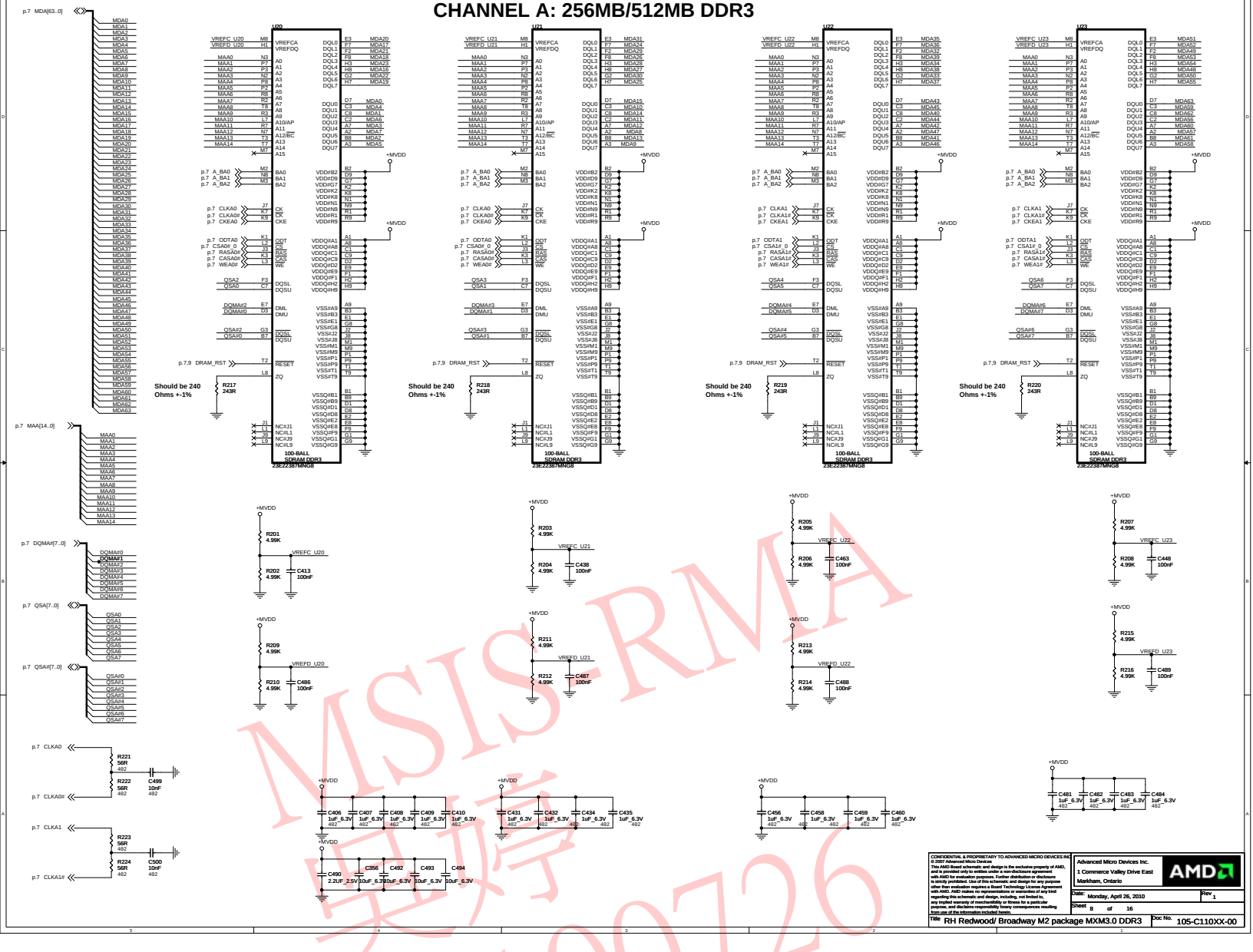
CHANNEL A: 256MB/512MB DDR3



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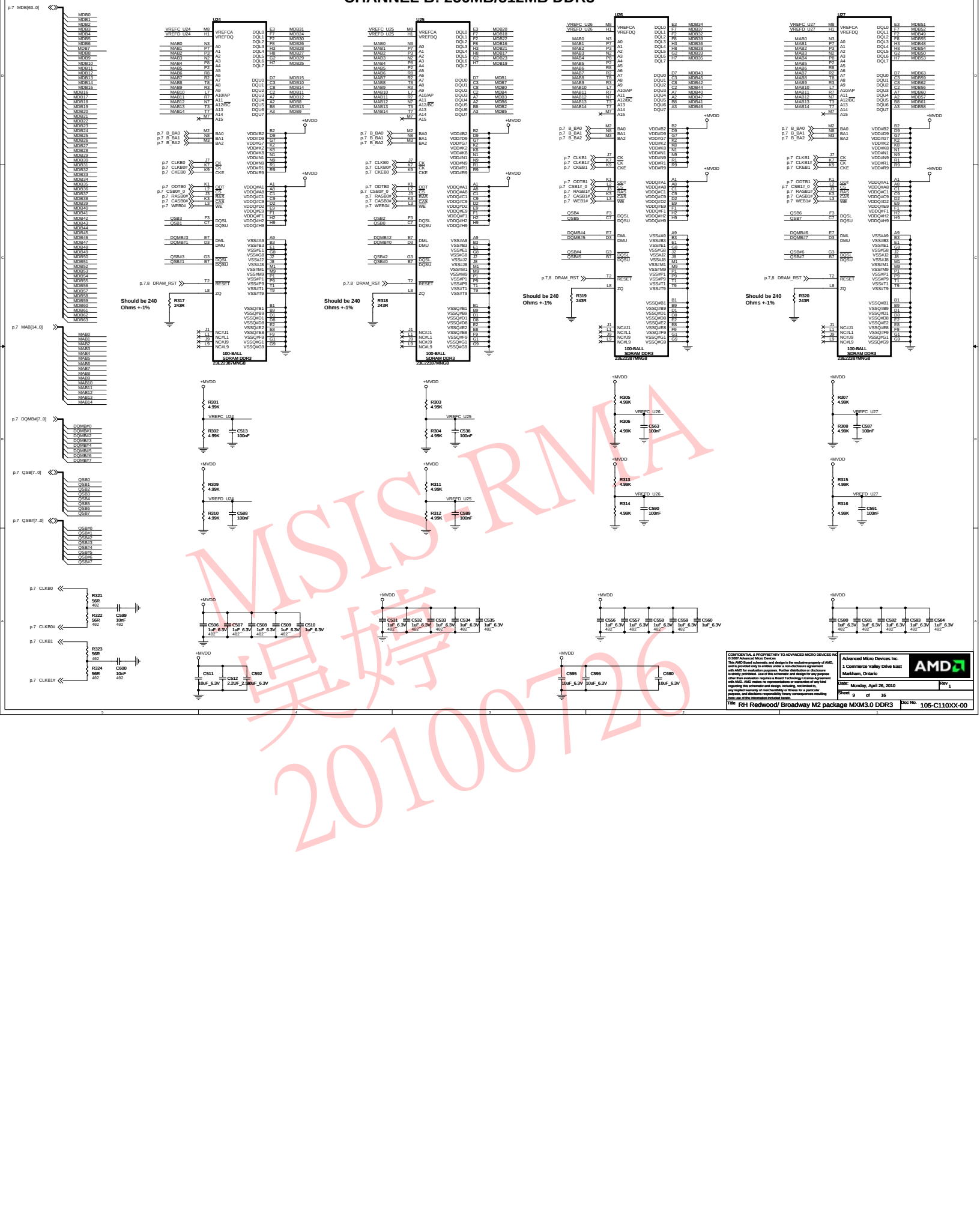
CHANNEL B: 256MB/512MB DDR3



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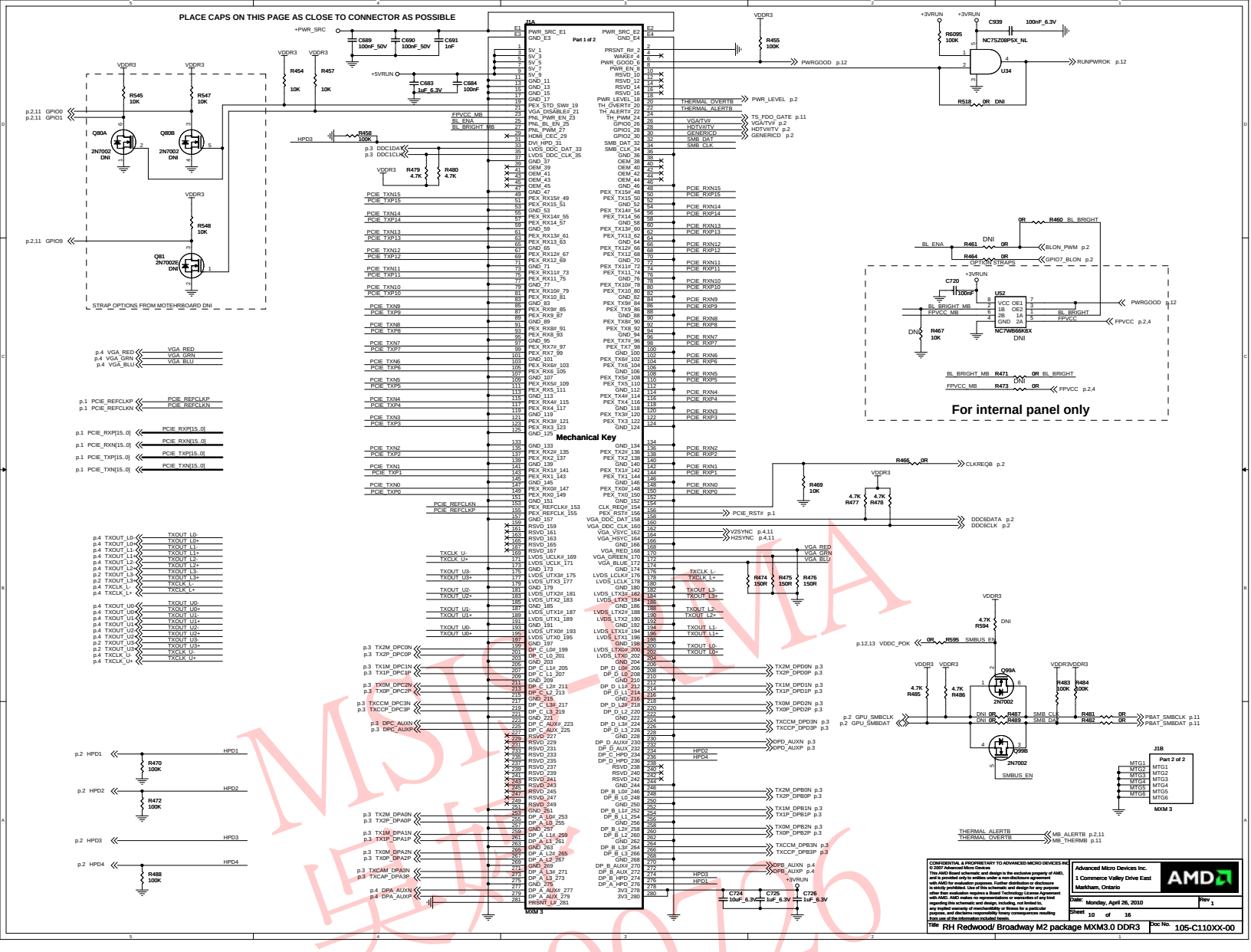

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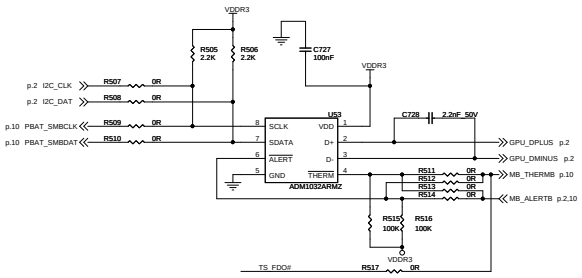
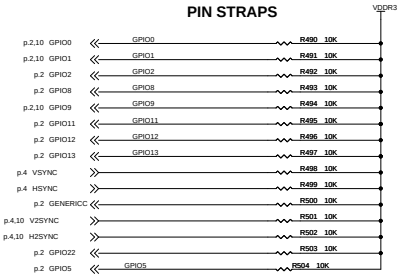




CONFIGURATION STRAPS

ALLOW FOR PULLUP PADS FOR THESE STRAPS AND IF THESE GPIOS ARE USED, THEY MUST NOT CONFLICT DURING RESET

RECOMMENDED SETTINGS
0= DO NOT INSTALL RESISTOR
1 = INSTALL 10K RESISTOR
X = DESIGN DEPENDANT
NA = NOT APPLICABLE

STRAPS	PIN	DESCRIPTION OF DEFAULT SETTINGS	
TX_PWRS_ENB	GPIO0	PCIE FULL TX OUTPUT SWING	1
TX_DEEMPH_EN	GPIO1	PCIE TRANSMITTER DE-EMPHASIS ENABLED	1
BIF_GEN2_EN_A	GPIO2	PCIE GNE2 ENABLED	1
BIF_CLK_PM_EN	GPIO8	BIF_CLK_PM_EN	0
BIF_VGA DIS	GPIO9	VGA ENABLED	0
BIF_RX_PLL_CALIB_BP	GPIO21	BIF_RX_PLL_CALIB_BP	0
BIOS_ROM_EN	GPIO_22_ROMCSB	ENABLE EXTERNAL BIOS ROM	1
ROMIDCFG(2:0)	GPIO[13:11]	SERIAL ROM TYPE OR MEMORY APERTURE SIZE SELECT	X X X
VIP_DEVICE_STRAP_ENA	V2SYNC	IGNORE VIP DEVICE STRAPS	0
SMS_EN_HARD	H2SYNC		0
CCBYPASS	GENERICC		0
AUD[1]	HSYNC	built-in HDMI connector	1
AUD[0]	VSYNC	Audio functiuon present	1
MEMORY CINFIG	[GPIO5,GPIO16]		
HYNIX	[0:1]		
SAMSUNG	[1:0]		

AMD RESERVED CONFIGURATION STRAPS

ALLOW FOR PULLUP PADS FOR THESE STRAPS AND IF THESE GPIOS ARE USED, THEY MUST NOT CONFLICT DURING RESET

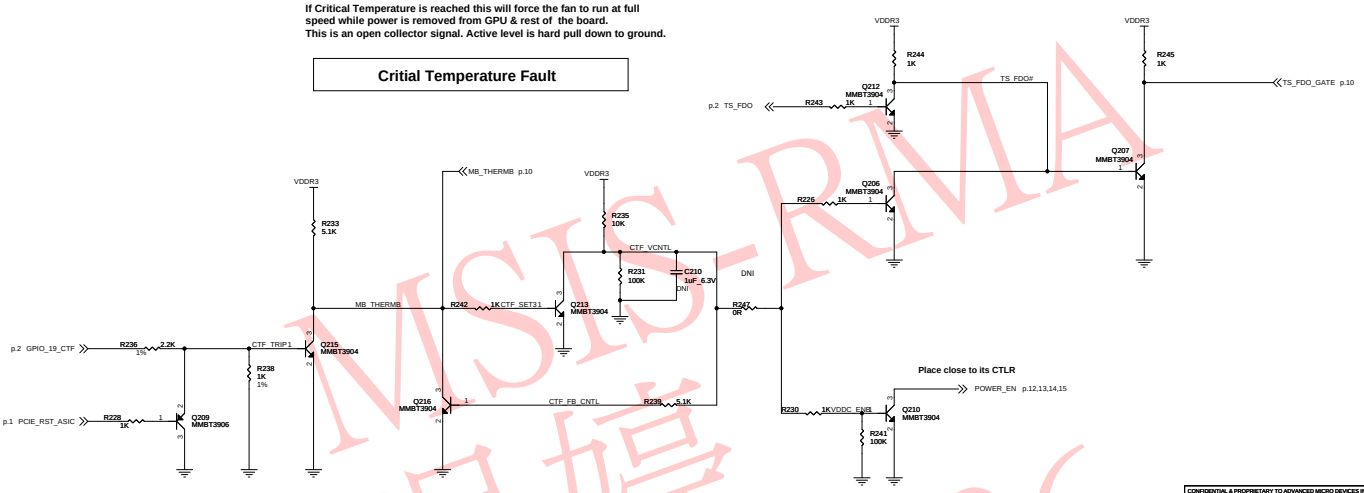
H2SYNC GENERICC

PULLUP PADS ARE NOT REQUIRED FOR THESE STRAPS BUT IF THESE GPIOS ARE USED, THEY MUST NOT CONFLICT DURING RESET

GPIO_28_TDO GPIO21_BB_EN

If Critical Temperature is reached this will force the fan to run at full speed while power is removed from GPU & rest of the board.
This is an open collector signal. Active level is hard pull down to ground.

Critial Temperature Fault



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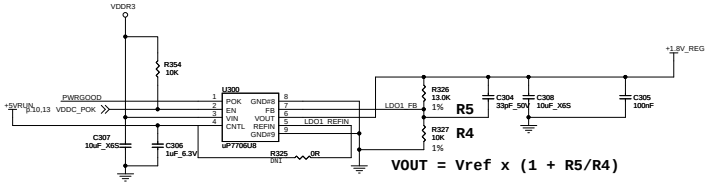
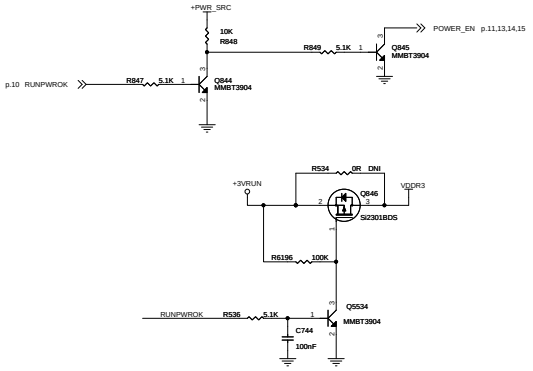
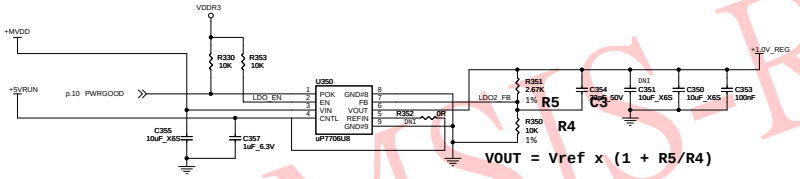
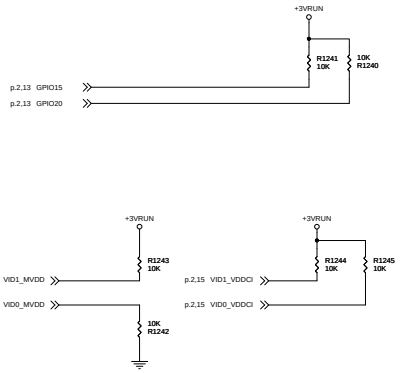
LDO #1: Vin = 3.00V to 3.60V (3.3V +/- 9%) Vout = +1.8V +/- 2%; Iout = 0.8A (TBV) RMS MAX
PCB: 50 to 70mm sq. copper area for cooling





LDO #2: Vin = +1.32V to 1.84VMAX Vout = +1.0V +/- 2% Iout = 1.7A (TBV) RMS MAX
PCB: 50 to 70mm sq. copper area for cooling





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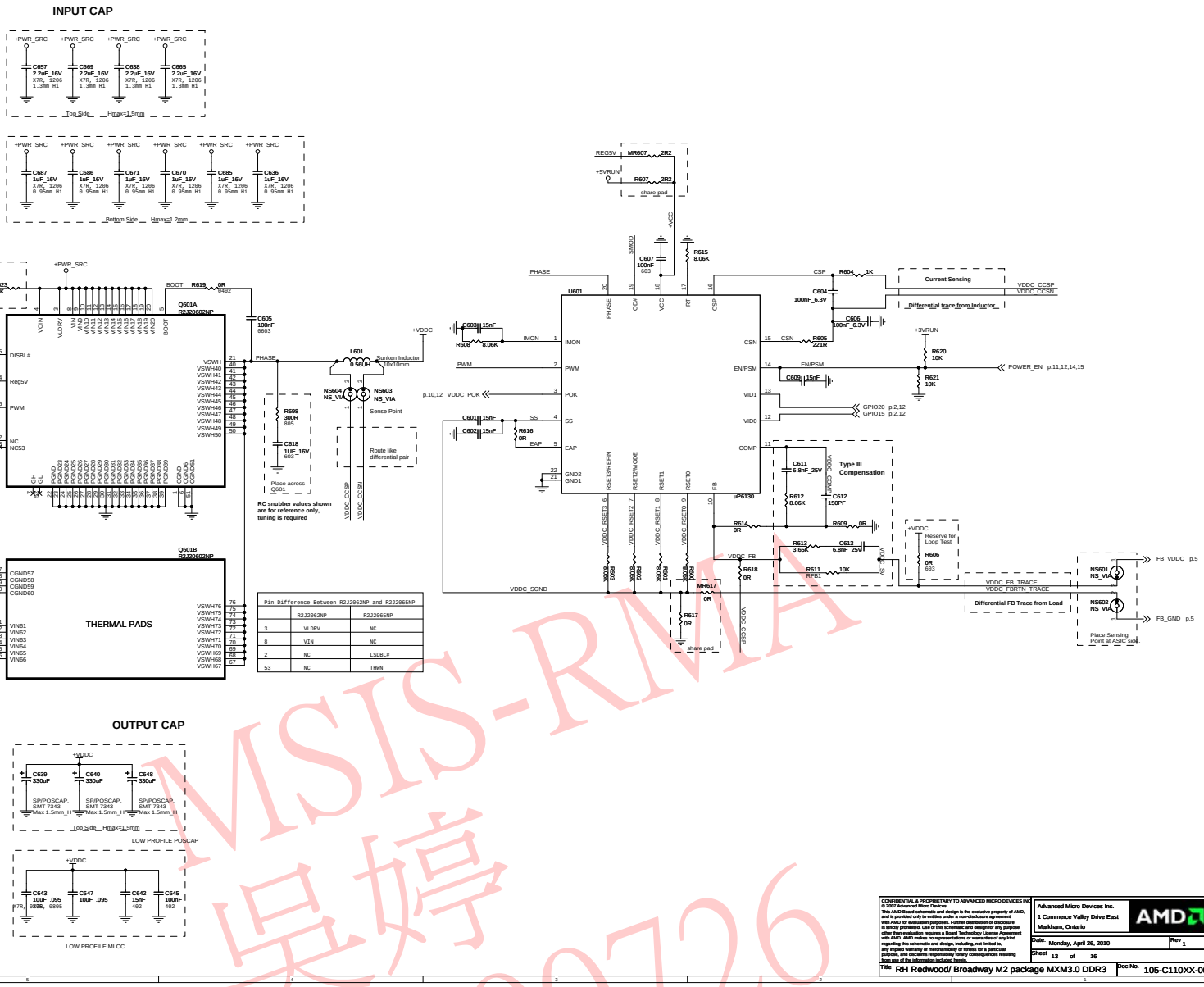

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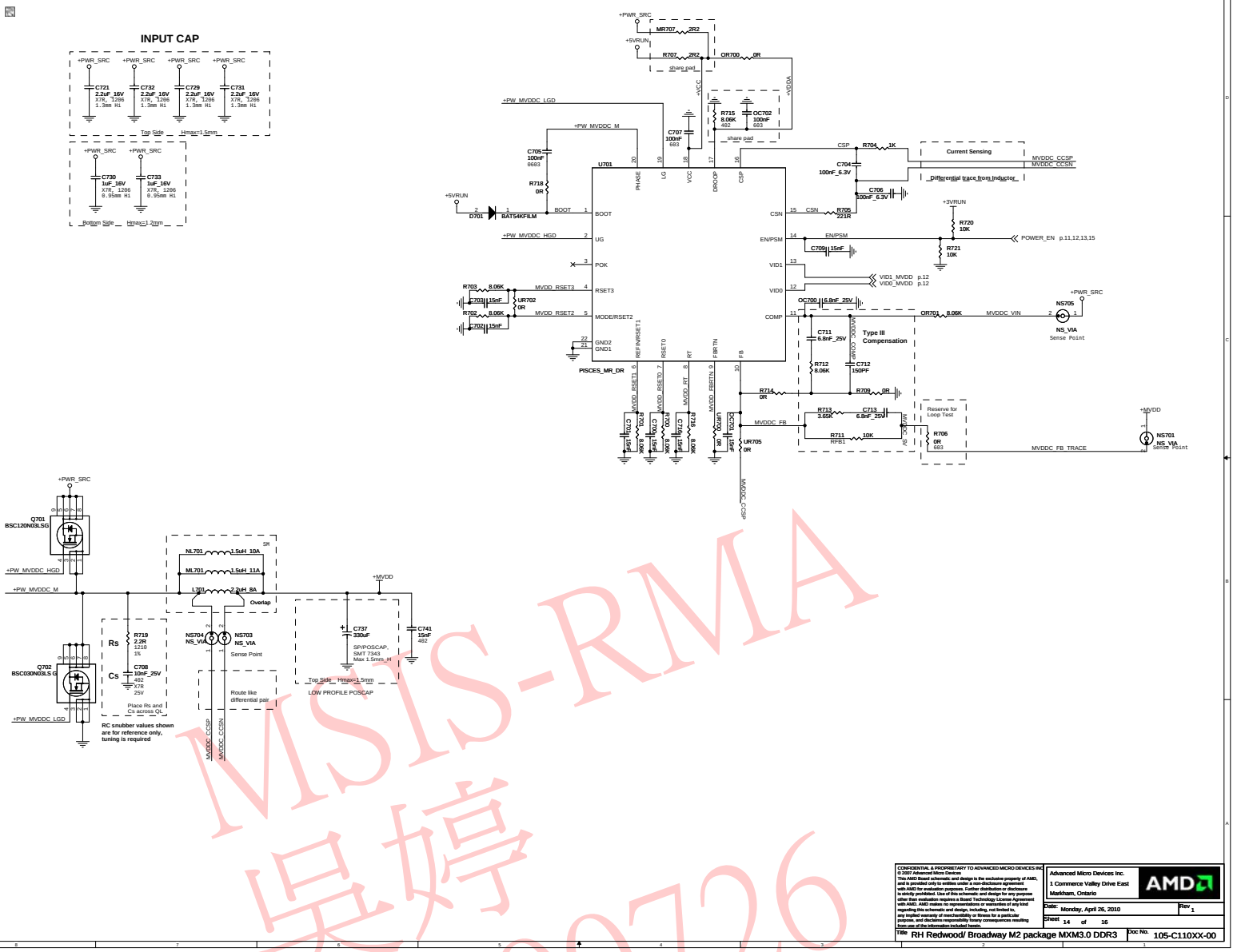

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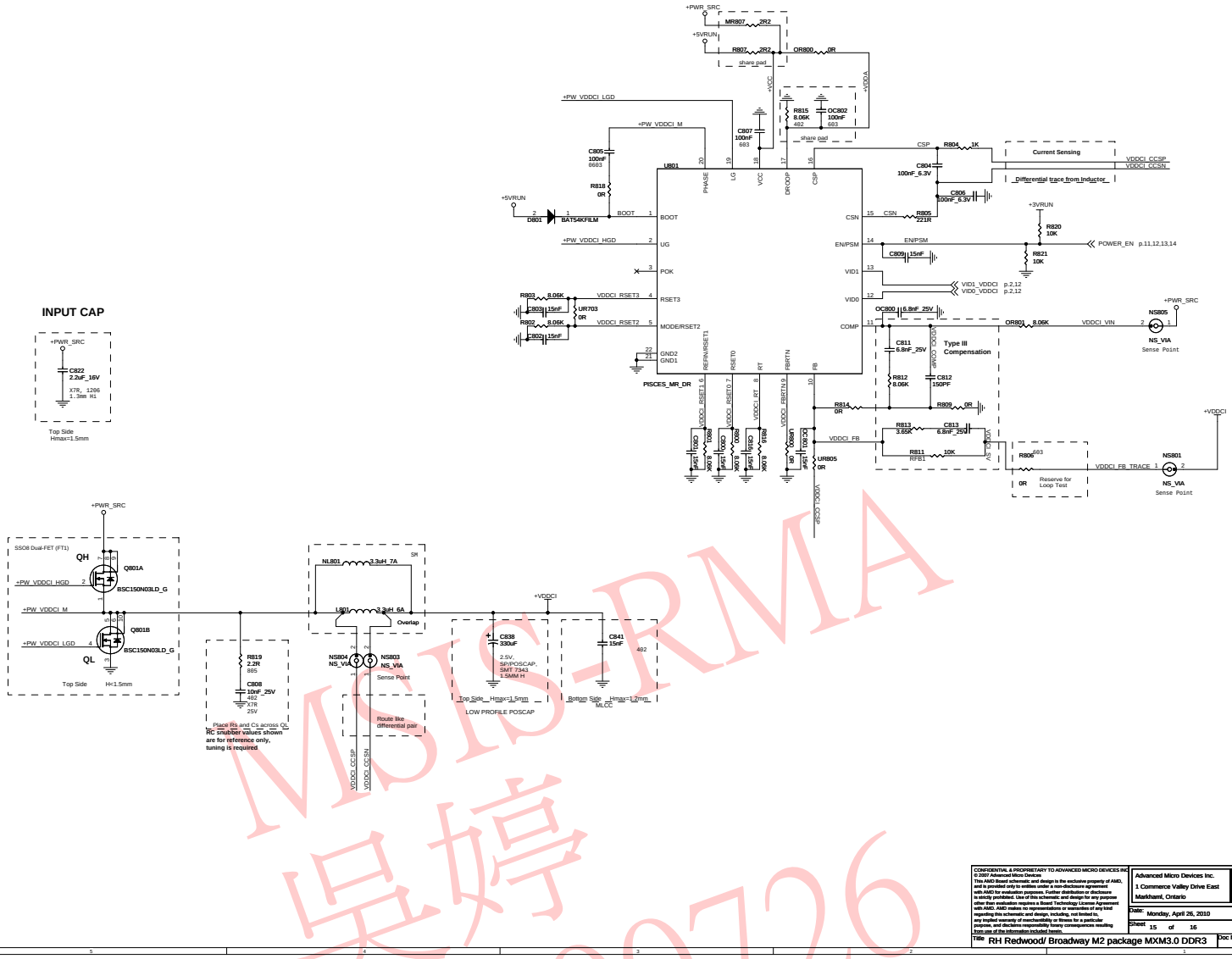

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REVISION HISTORY

NOTE: This schematic represents the PCB, it does not represent any specific SKU.
For Stuffing options (component values, DNI's, ...) 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	03/03/10	Create new SCHs based on C07601
1	00	04/27/10	Add pull-down resistor R427 and remove ML801

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