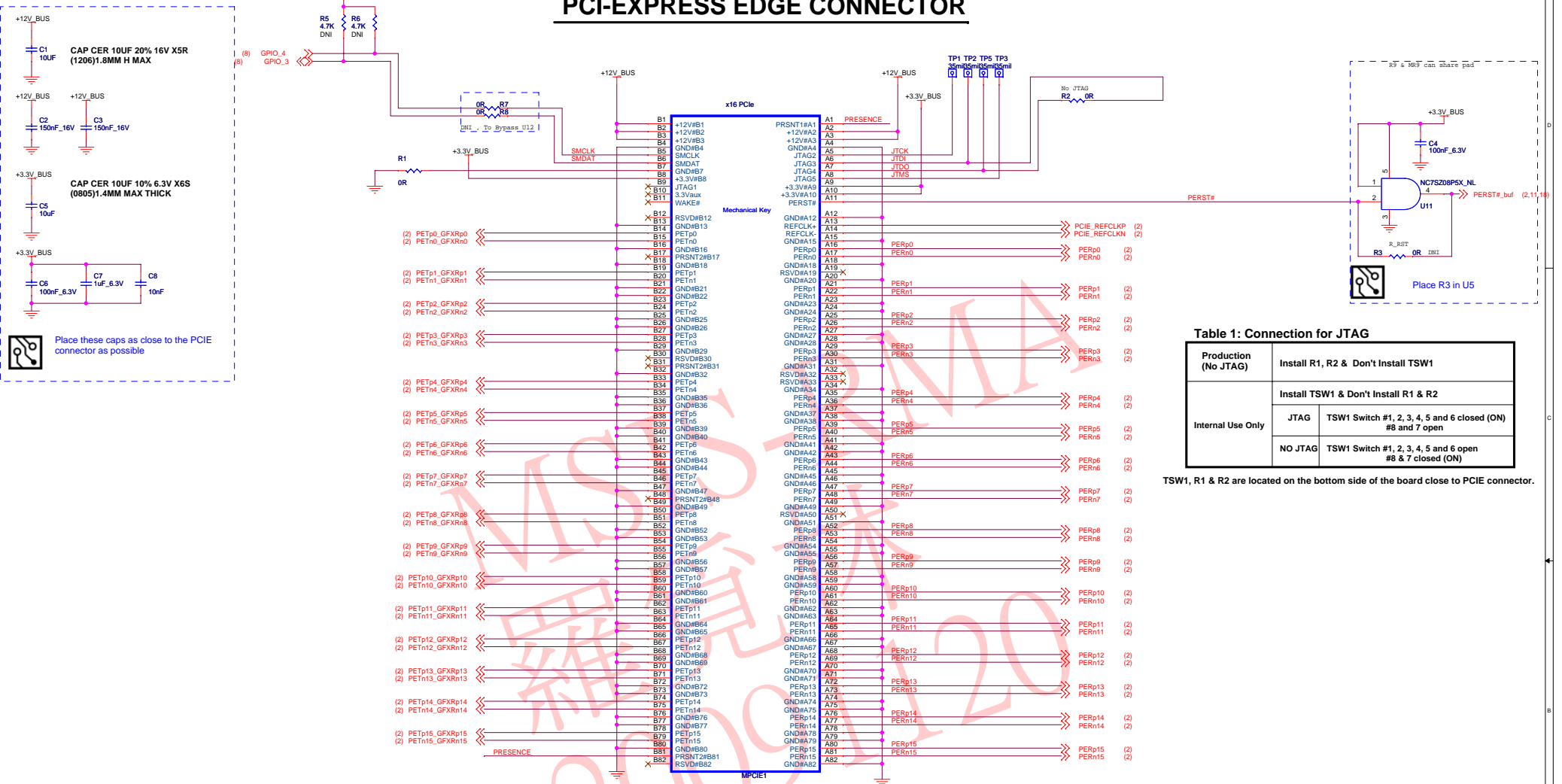


PCI-EXPRESS EDGE CONNECTOR

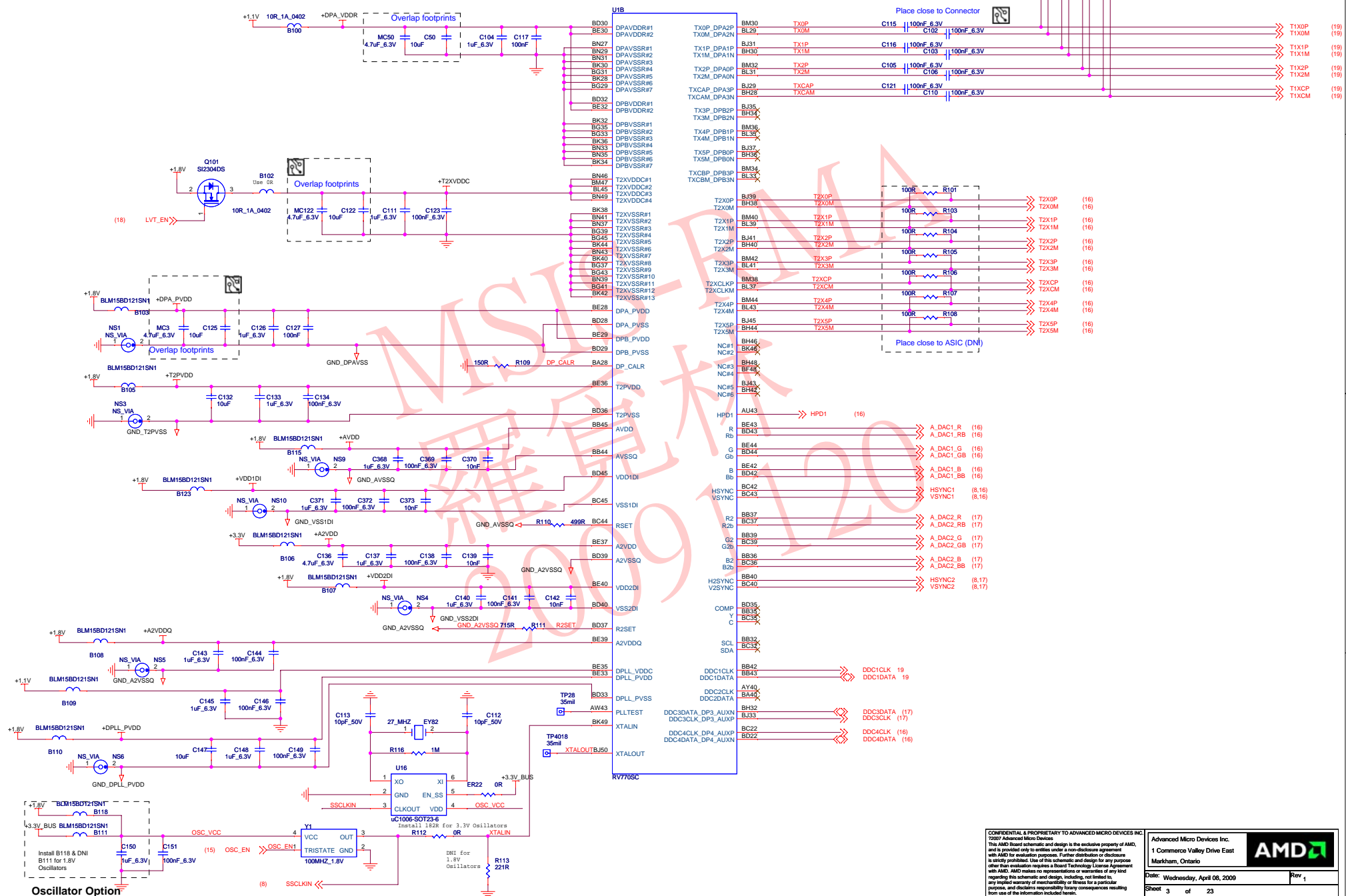


U1A

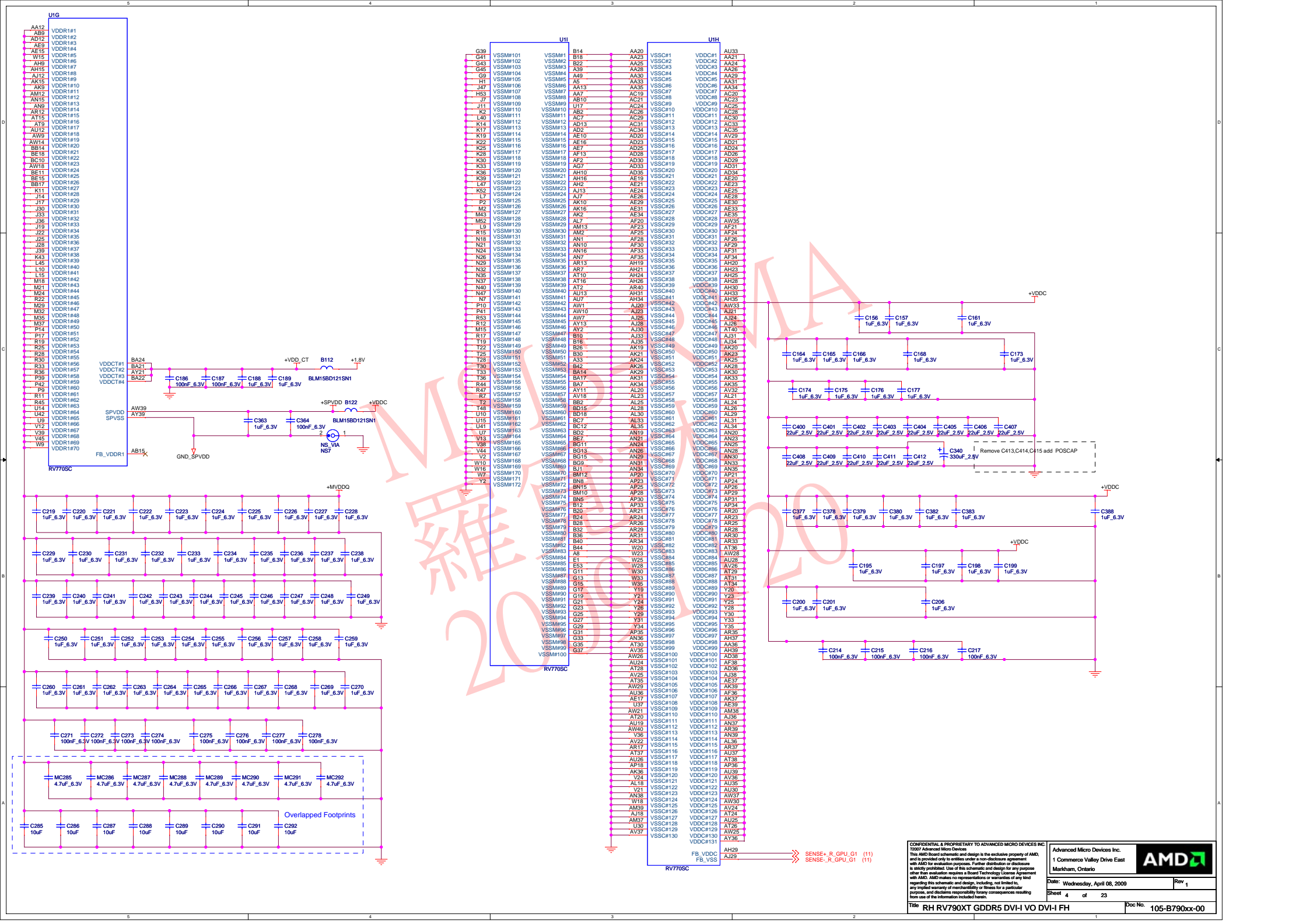


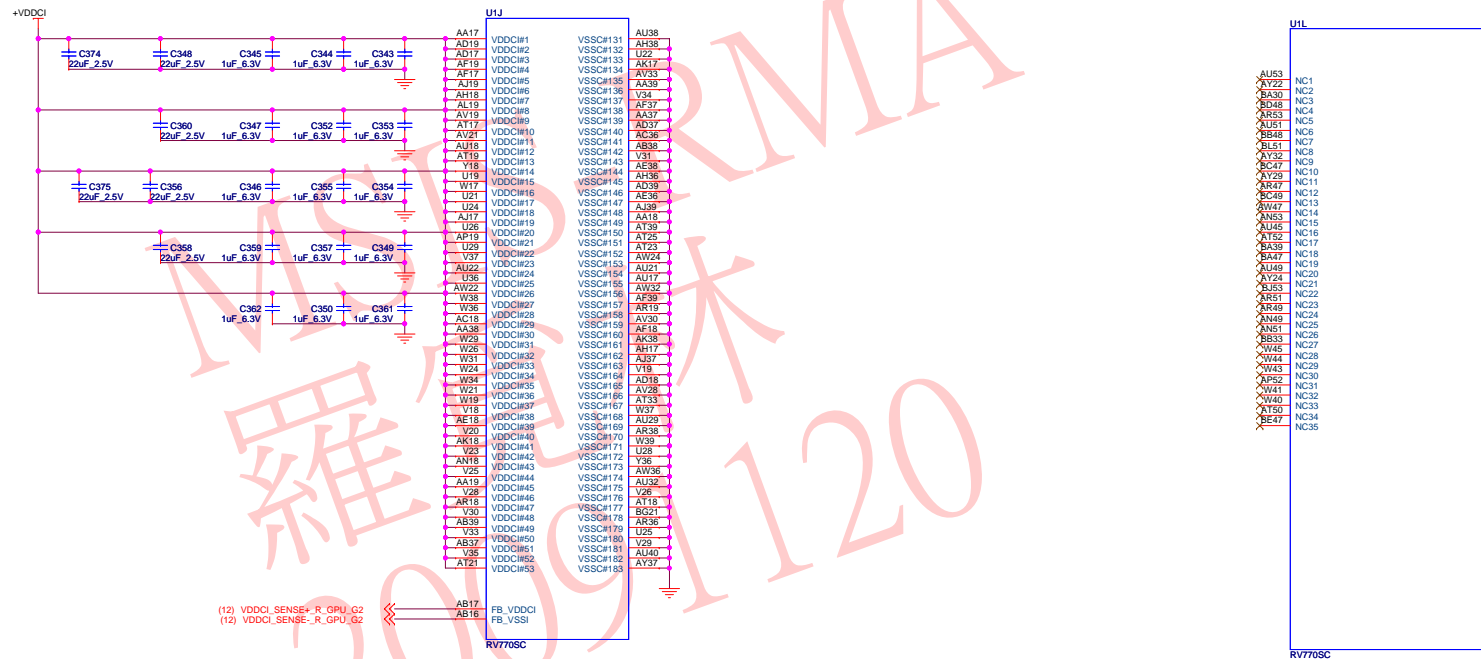
Doc No. 105-B790xx-00

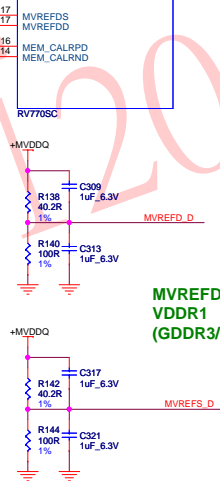
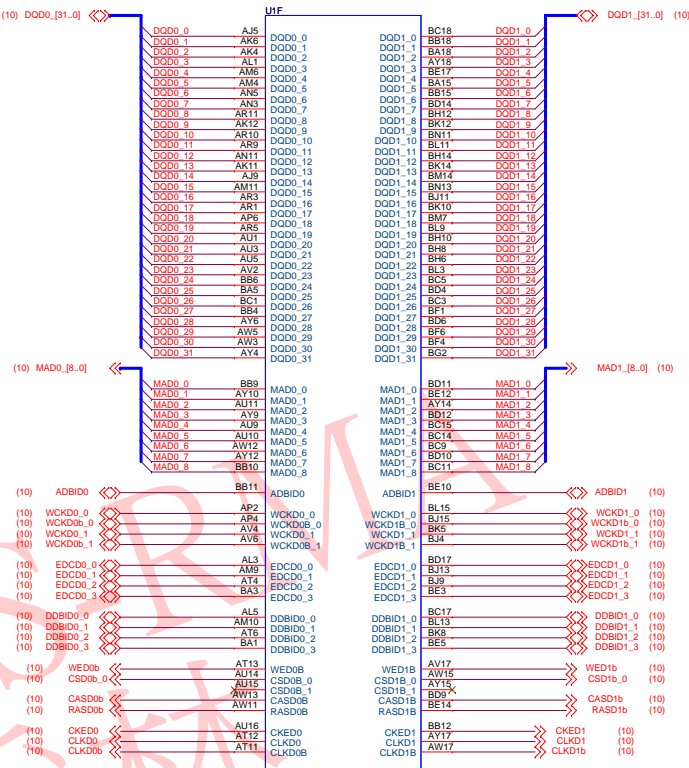
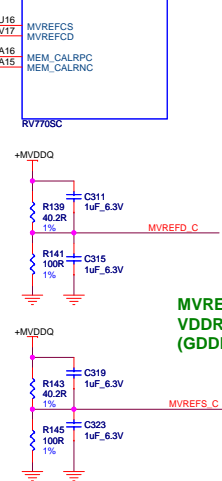
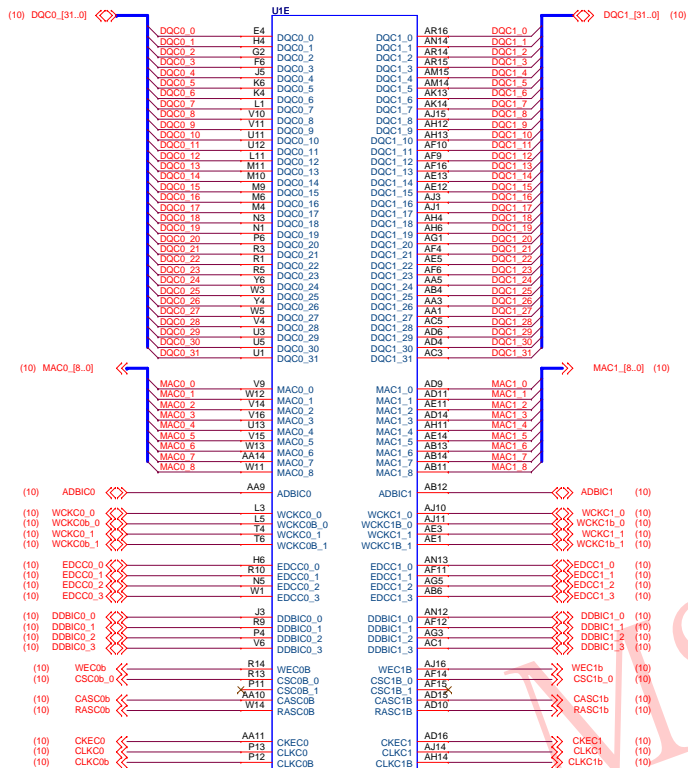
Recommended caps:
(see BOM for qualified values/vendors)
10uF , X6S, 0805, 6.3V, 1.4MM MAX THICK
4.7uF , X6S/X5R, 0603, 6.3V/4V
1uF, X6S, 0402, 6.3V
100nF, X7R, 0402
10nF , X7R, 0402



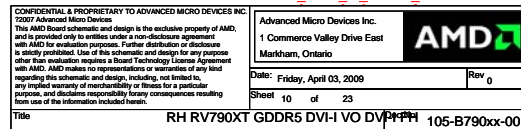
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<p>Title: RH RV790XT GDDR5 DVI-I VO DVI-I FH</p>	<p>Doc No: 105-B790-xx-00</p>

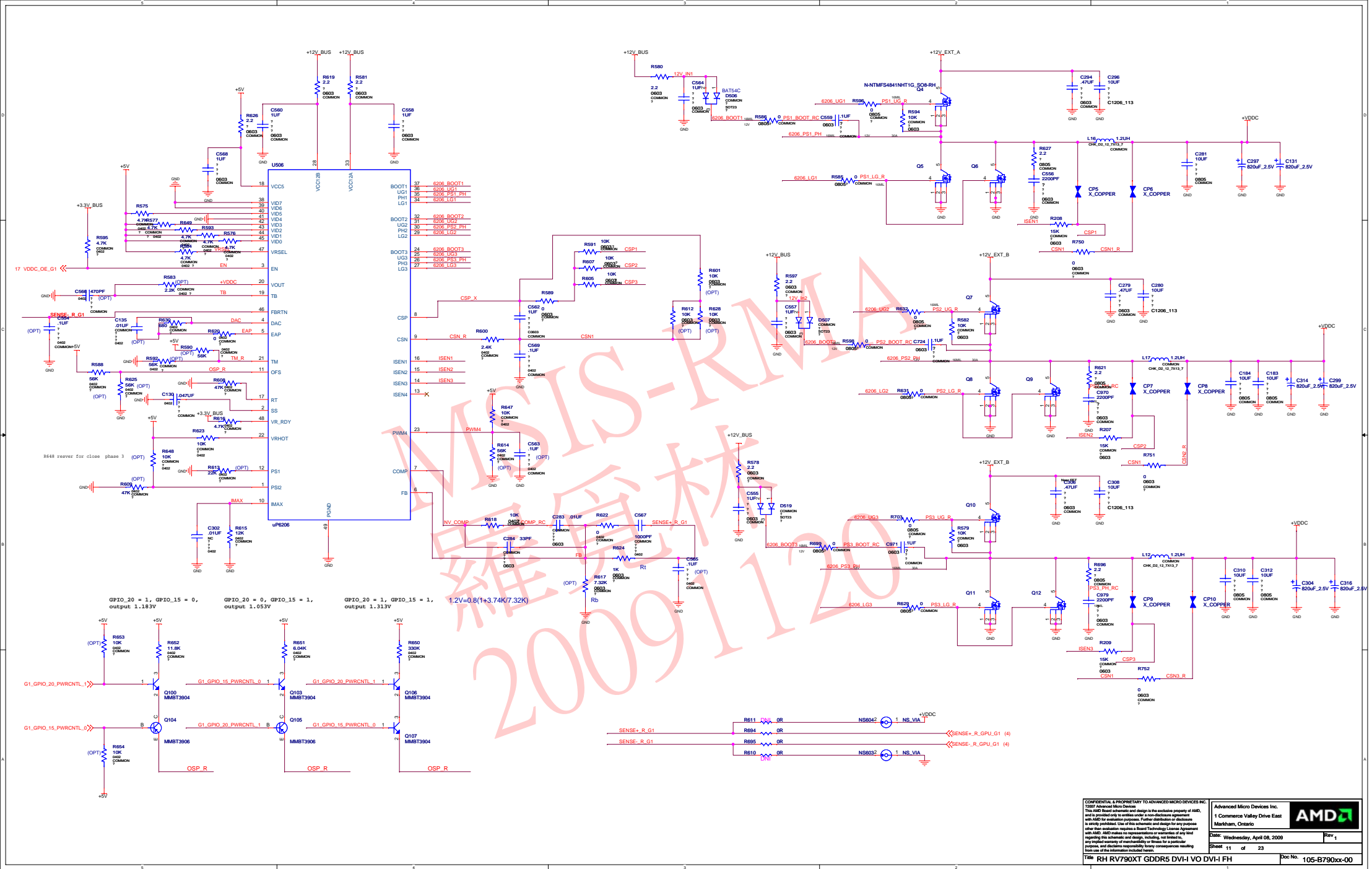


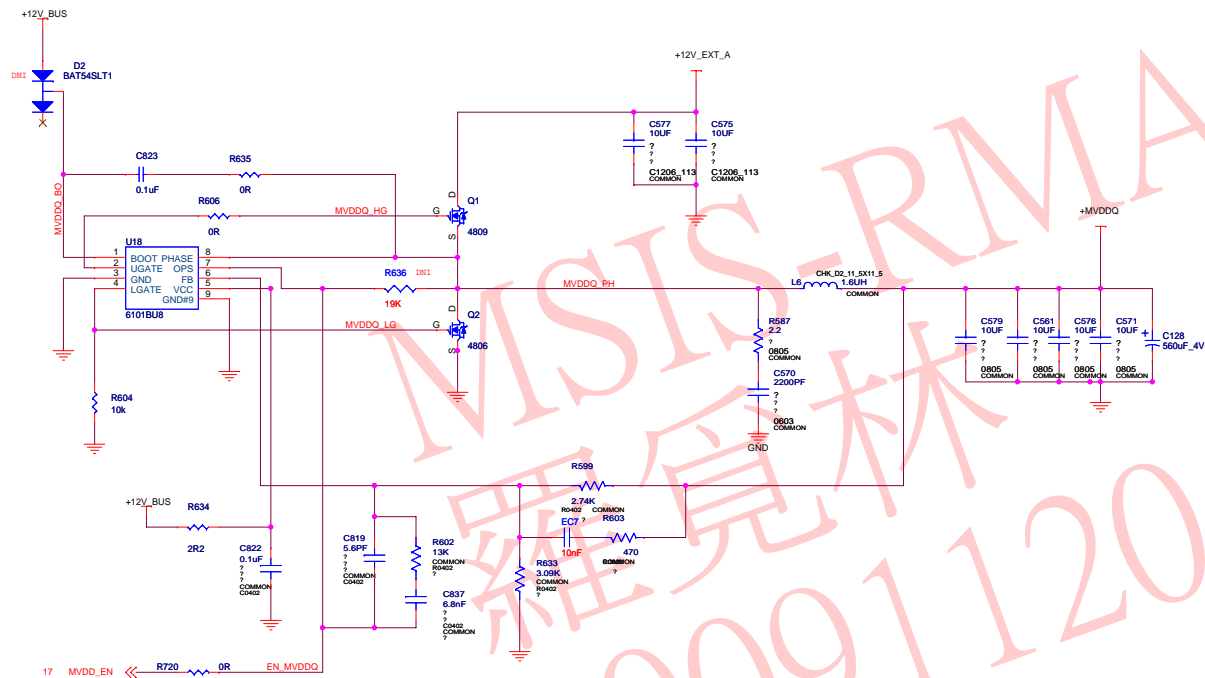












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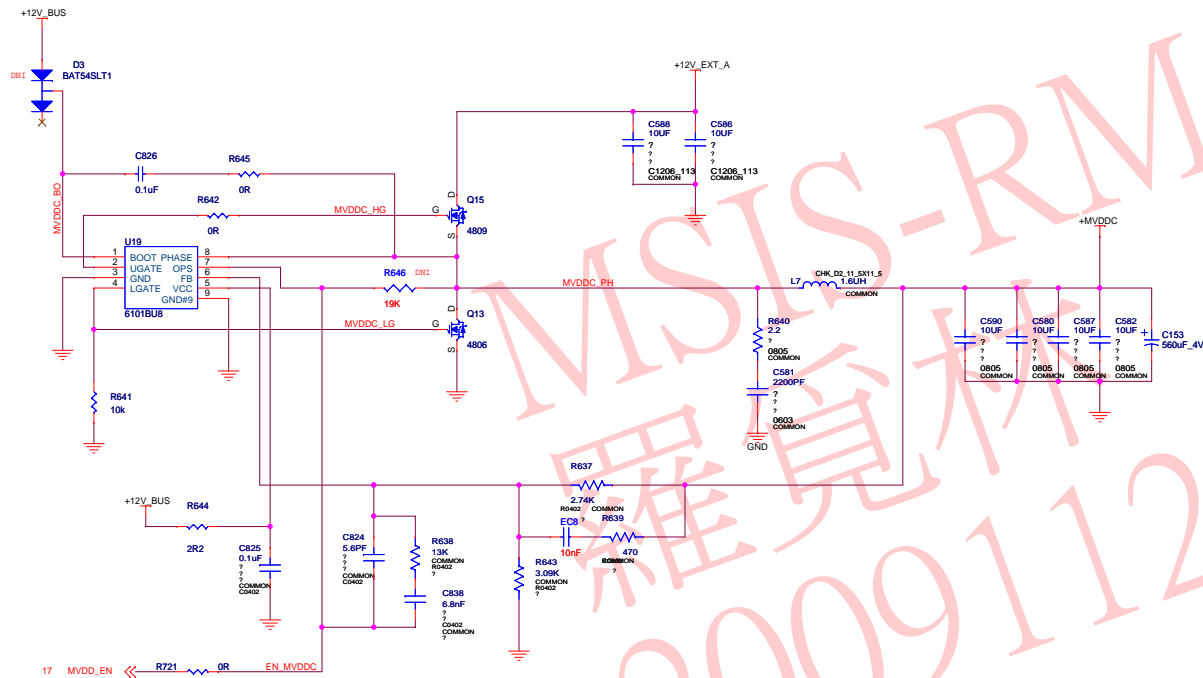
Date: Wednesday, April 08, 2009

Rev 1

Sheet 13 of 23

Doc No. 105-B790xx-00

Title RH RV790XT GDDR5 DVH VO DVH FH



$$+MVDDQ = 0.8 * (1 + (R592 / R591))$$

$$+MVDDQ = 0.8 * (1 + (2.74 / 3.09)) = 1.509V$$

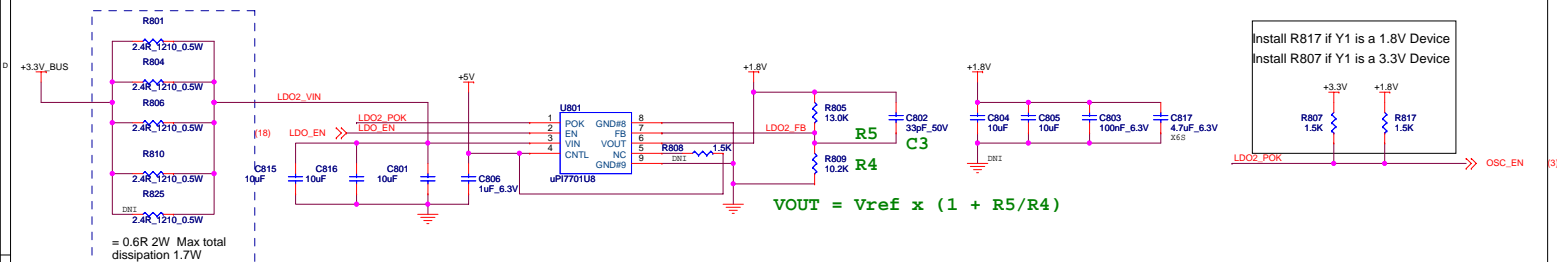
$$+MVDDQ = 0.8 * (1 + (2.74 / 2.94)) = 1.545V$$

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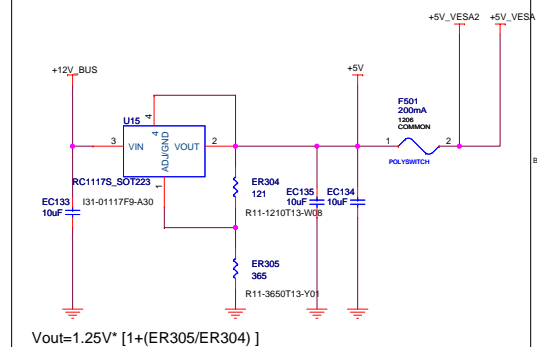
Advanced Micro Devices Inc.
 1 Commerce Valley Drive East
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 Date: Wednesday, April 08, 2009
 Sheet 14 of 23
 Rev 1

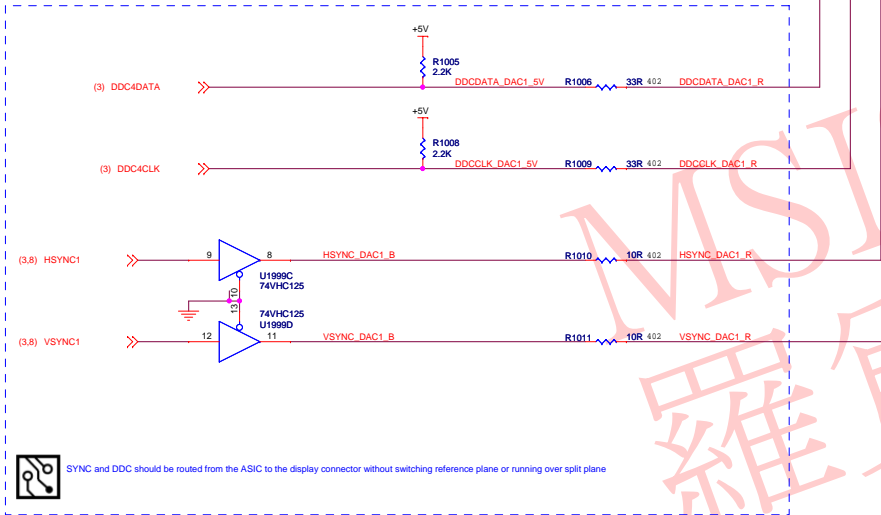
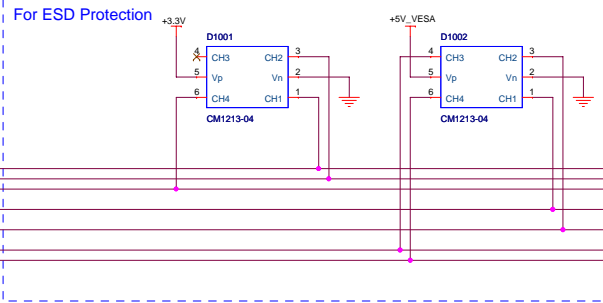
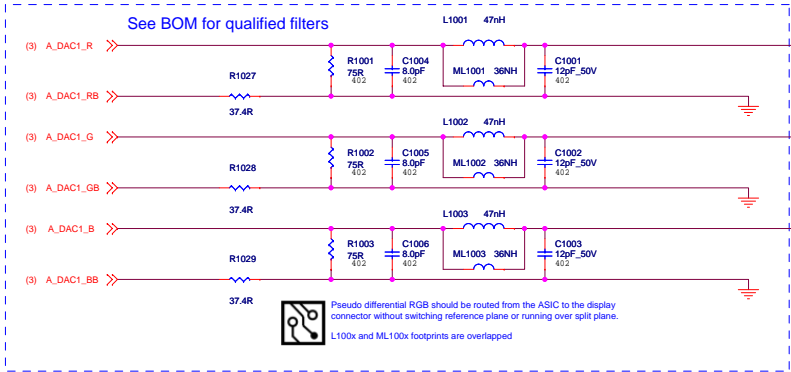


LDO #2: Vin = 2.5V to 3.6V MAX Vout = +1.8V +/- 3% Iout = 1.7A (TBV) RMS MAX
PCB: Min 70mm sq. copper area for cooling

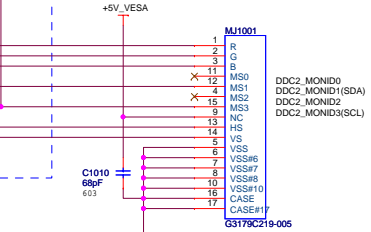


Regulators for +5V, +5V_VESA and +5V_VESA2





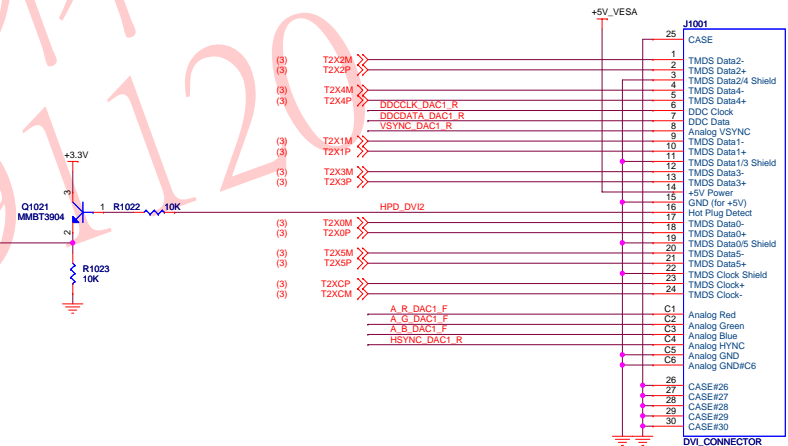
A_R_DAC1_F
A_G_DAC1_F
A_B_DAC1_F
DDCCLK_DAC1_R
DDCCLK_DAC1_R
HSYNC_DAC1_R
VSNC_DAC1_R

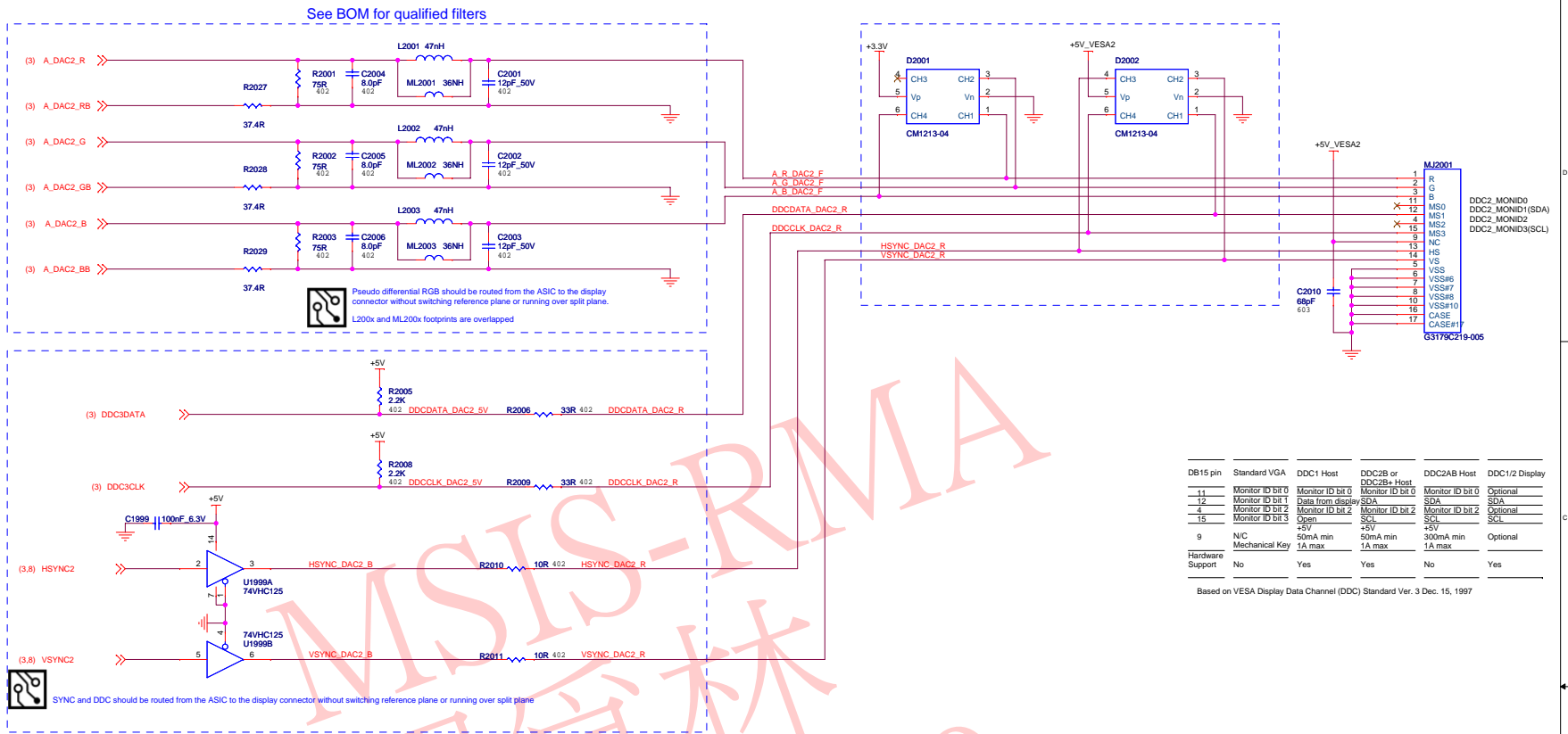


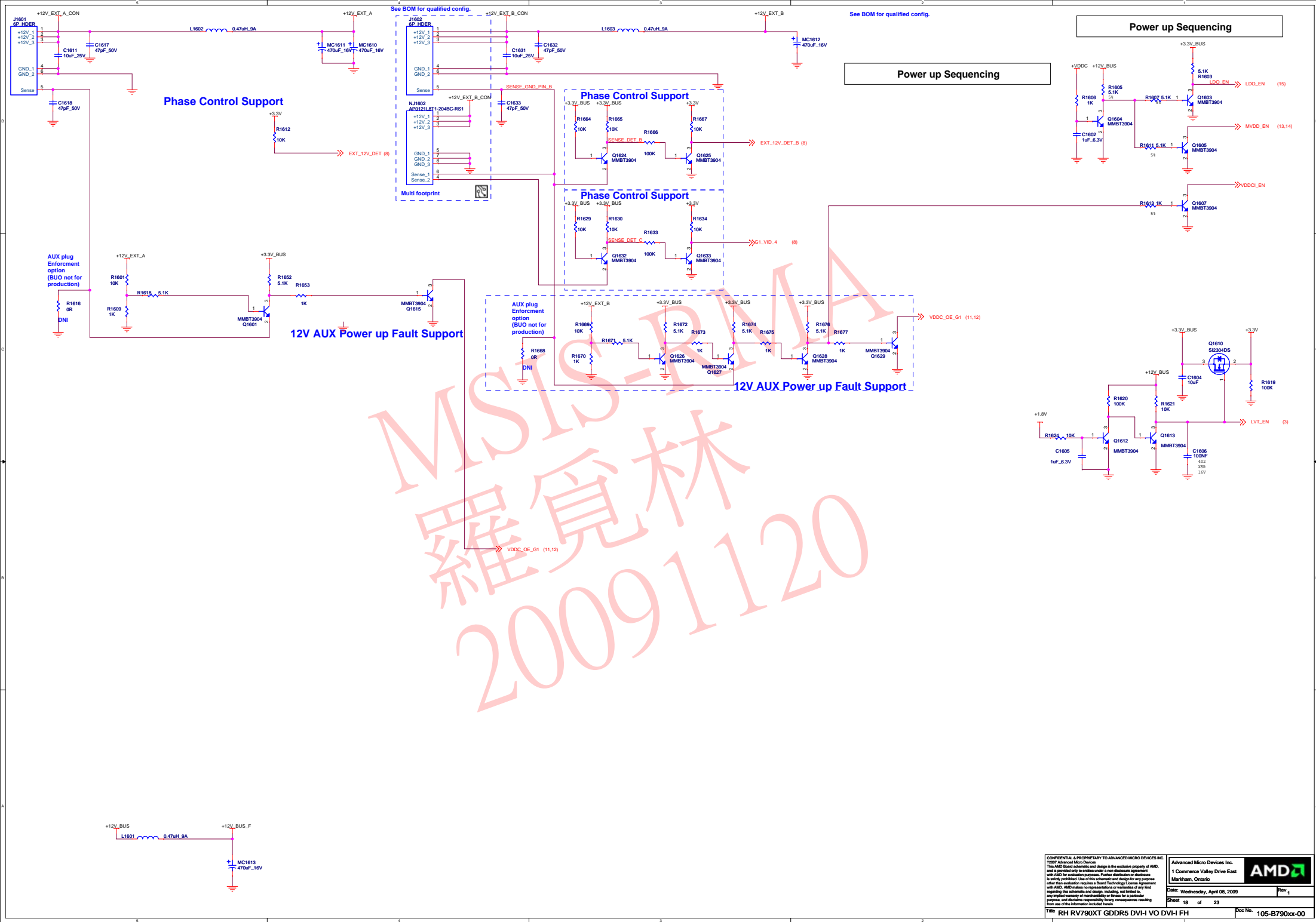
DB15 pin	Standard VGA	DDC1 Host	DDC2B or DDC2B+ Host	DDC2AB Host	DDC1/2 Display
11	Monitor ID bit 0	Monitor ID bit 0	Monitor ID bit 0	Monitor ID bit 0	Optional
12	Monitor ID bit 1	Monitor ID bit 1	Monitor ID bit 1	Monitor ID bit 1	Optional
4	Monitor ID bit 2	Monitor ID bit 2	Monitor ID bit 2	Monitor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

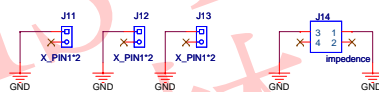
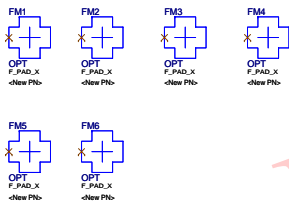
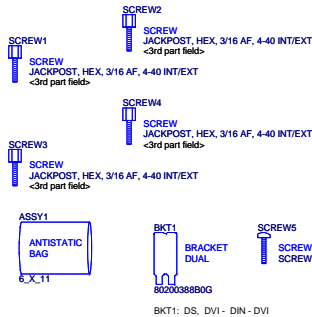
Based on VESA Display Data Channel (DDC) Standard Ver. 3 Dec. 15, 1997

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<div>AMD</div>			Title		Schematic No.		Date:	
			RH RV790XT GDDR5 DVI-I VO DVI-I FH		105-B790xx-00		Friday, April 03, 2009	
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	08/01/04	Initial design for B790					
	00	09/02/03	-00 Release with no Schematic change however C817 is refreshed to correct the footprint issue on rev A					
			<div>MSIS-RMA 羅覓林 20091120</div>					

