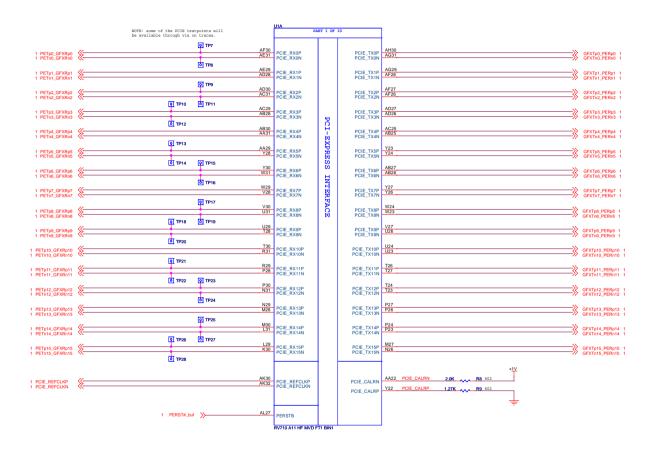
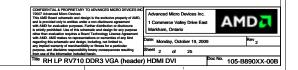
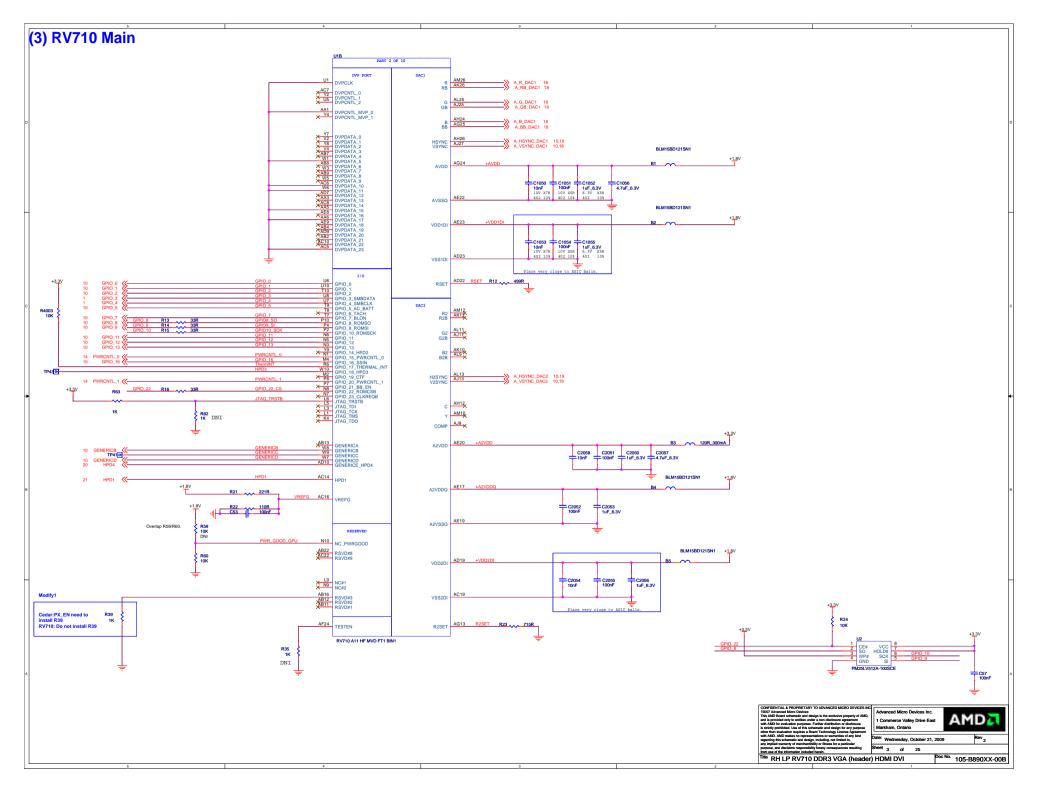


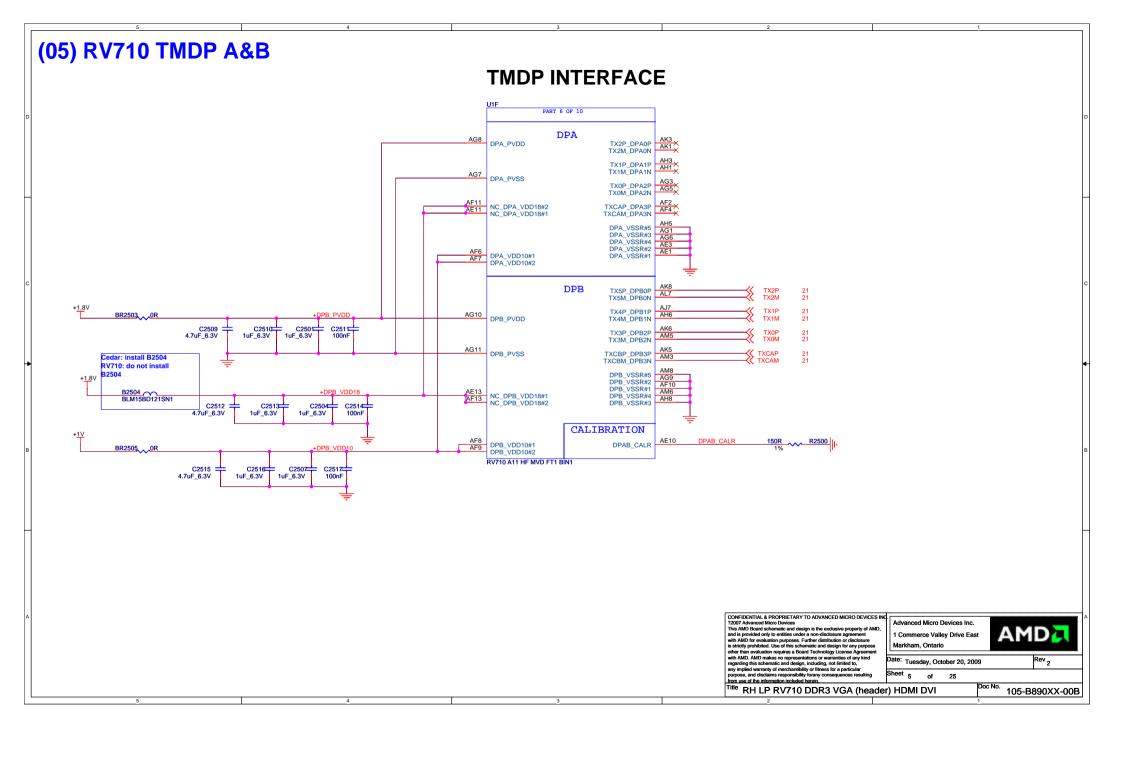
(2) RV710 PCIE Interface

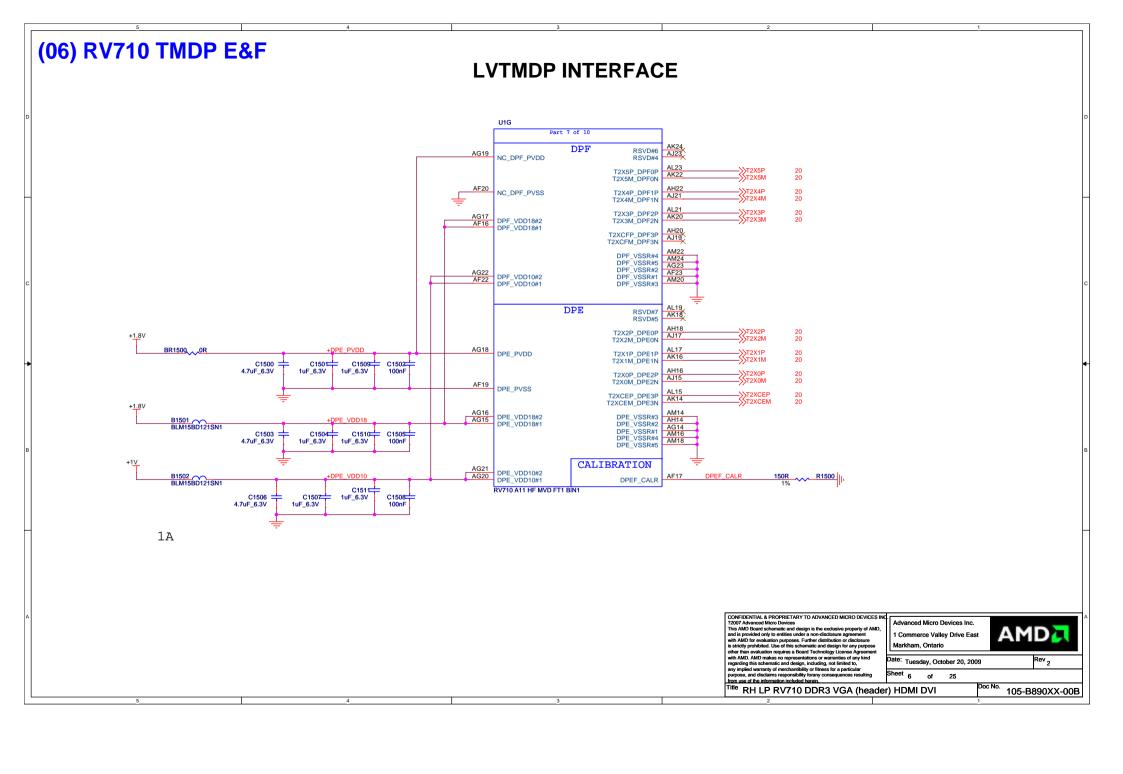


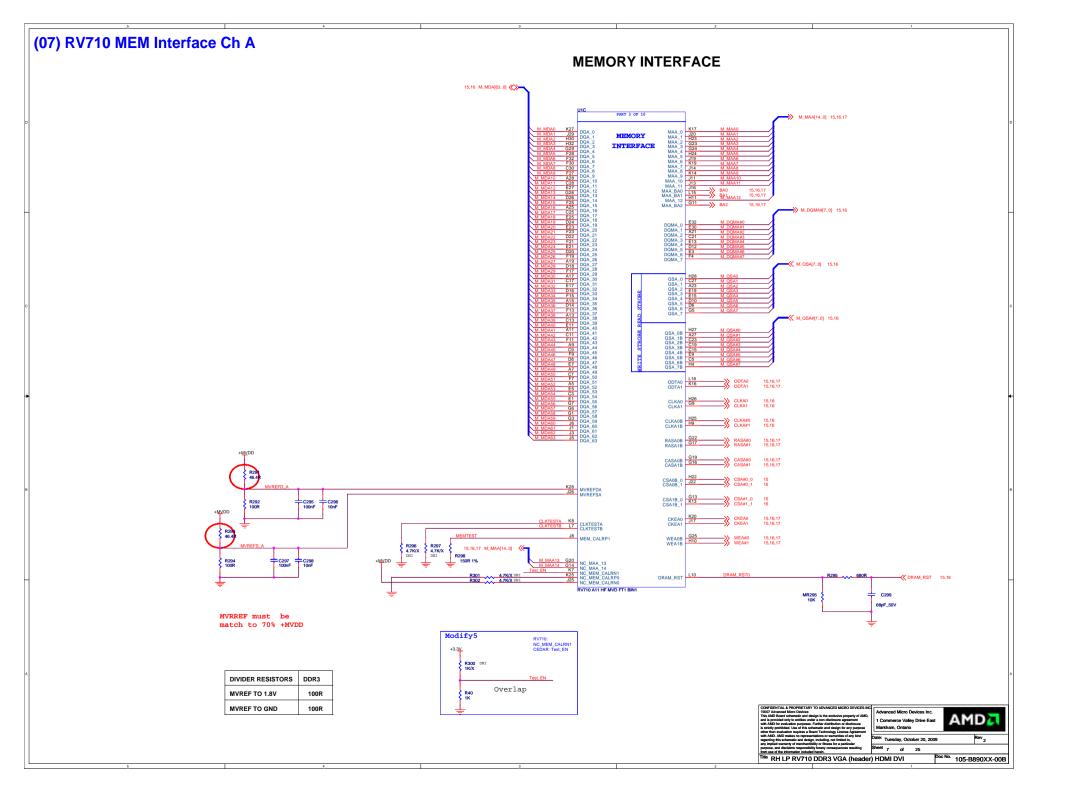


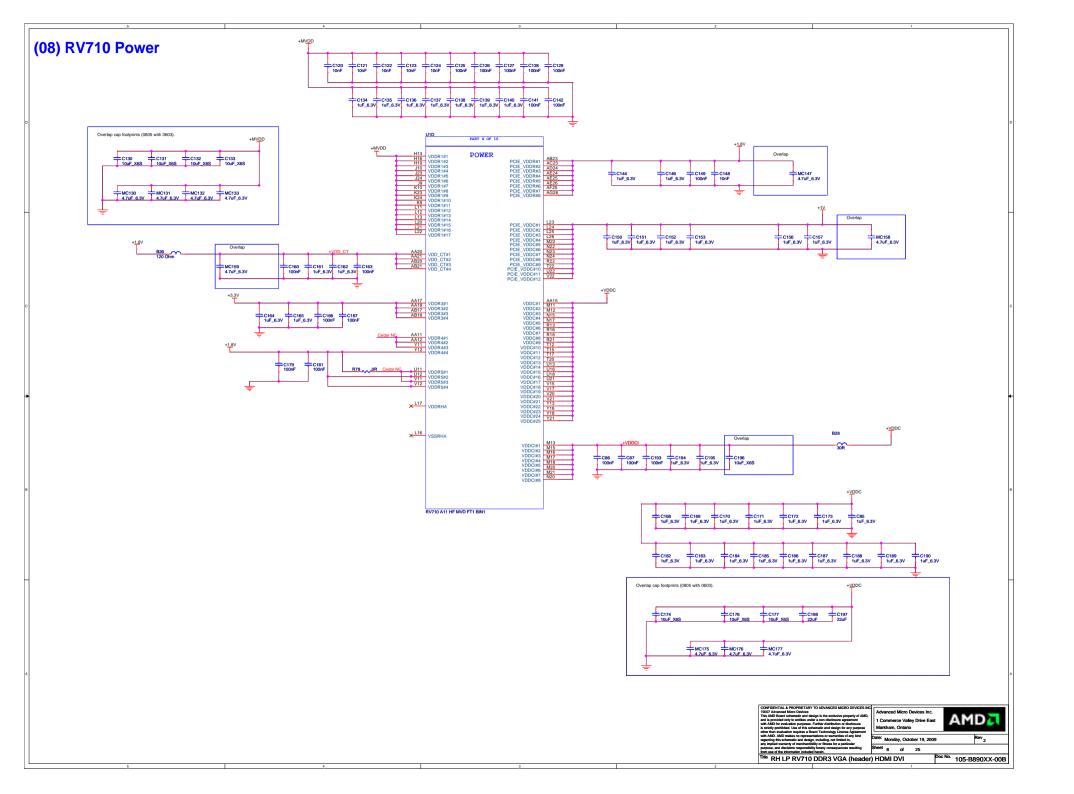


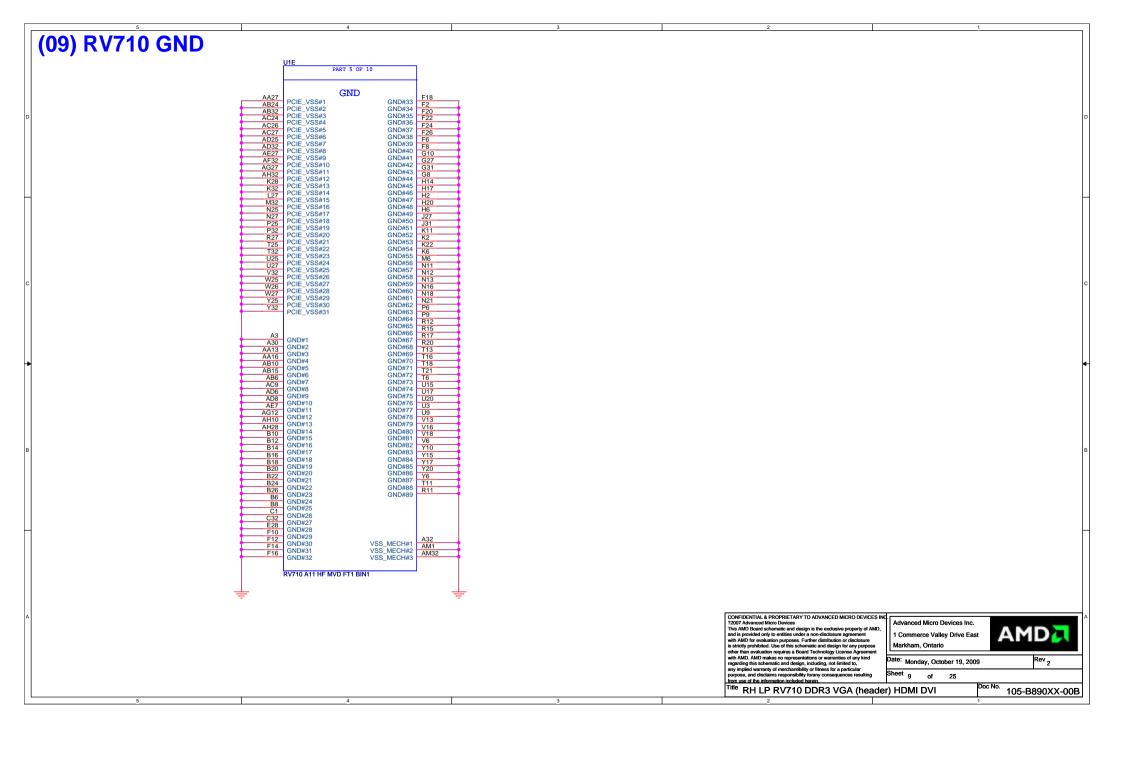
(04) RV710 GPIOs CF XTAL RV710: Do not install B6, C60, C61, C62, C58. RV810: Install B6, C60, C61, C62, C58... Part 10 of 10 XTAL / PLL C58 C60 C61 C62 10uF_X6S 1uF_6.3V 1uF_6.3V 100nF NS6 NS_VIA DPLL_PVSS AE14 GND_PVSS RV710: Install B10, do not install B9 RV810: Install B9, do not install B10 DPLL_VDDC XTALIN AM28 XTALIN B11 BLM15BD121SN1 PCIE PVDD XTALOUT AK28 XTALOUT 60R B12 +1.8V C83 Y2 12pF_50V 27.000MHz_10PPM NC_MPV18 RV710 A11 HF MVD FT1 BIN1 RV710: Do not install B12, C77, C79, C80, C81. RV810: Install B12, C77, C79, C80, C81. Part 8 of 10 DDC6 BUS: I2C / DDC / AUX I2C Address Function DDC1CLK AE6 X DDC1DATA AE5 X I2C VDDC Control DS4402 LM63 - External Temperature Sensor LM63 0x98 SCL / SDA BUS: R33 R34 4.7K 4.7K I2C Address Function RV710 A11 HF MVD FT1 BIN1 Part 9 of 10 TSS FDO TS_FDO R5 TS_FDO >> TS_FDO 22 DMINUS T2 AMD RV710 A11 HF MVD FT1 BIN1 ate: Monday, October 19, 2009 purpose, and disclaims responsently reamy communities from use of the information included herein. Title RH LP RV710 DDR3 VGA (header) HDMI DVI Doc No. 105-B890XX-00B

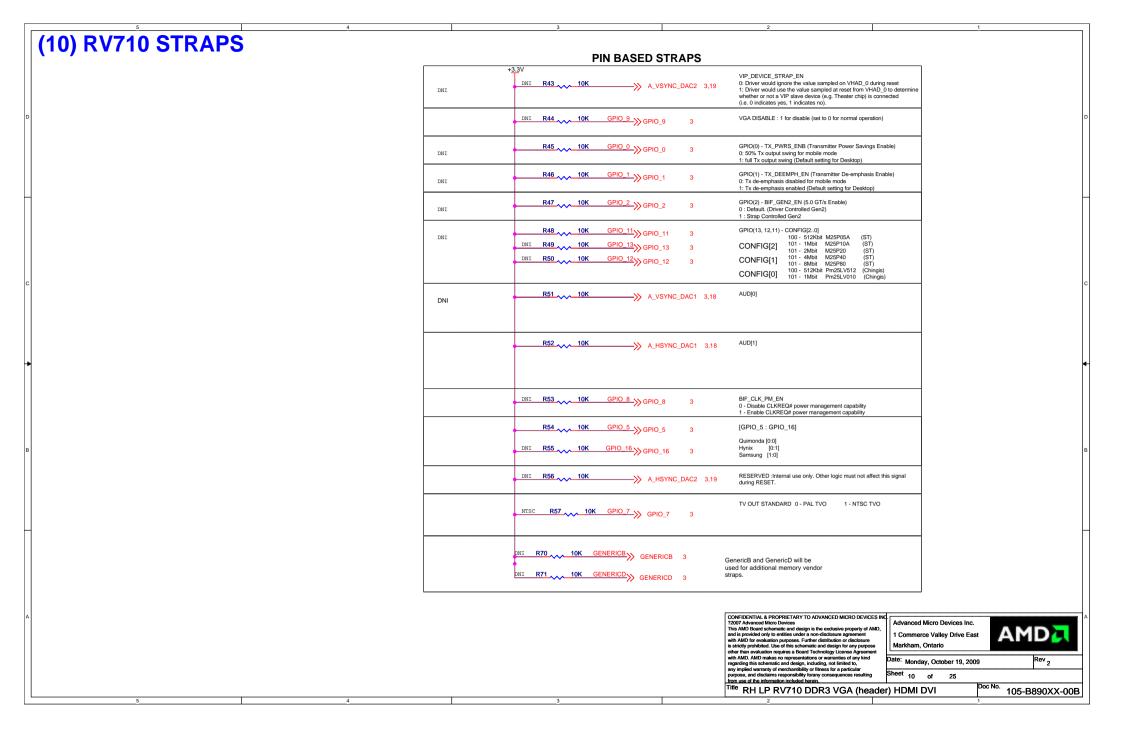


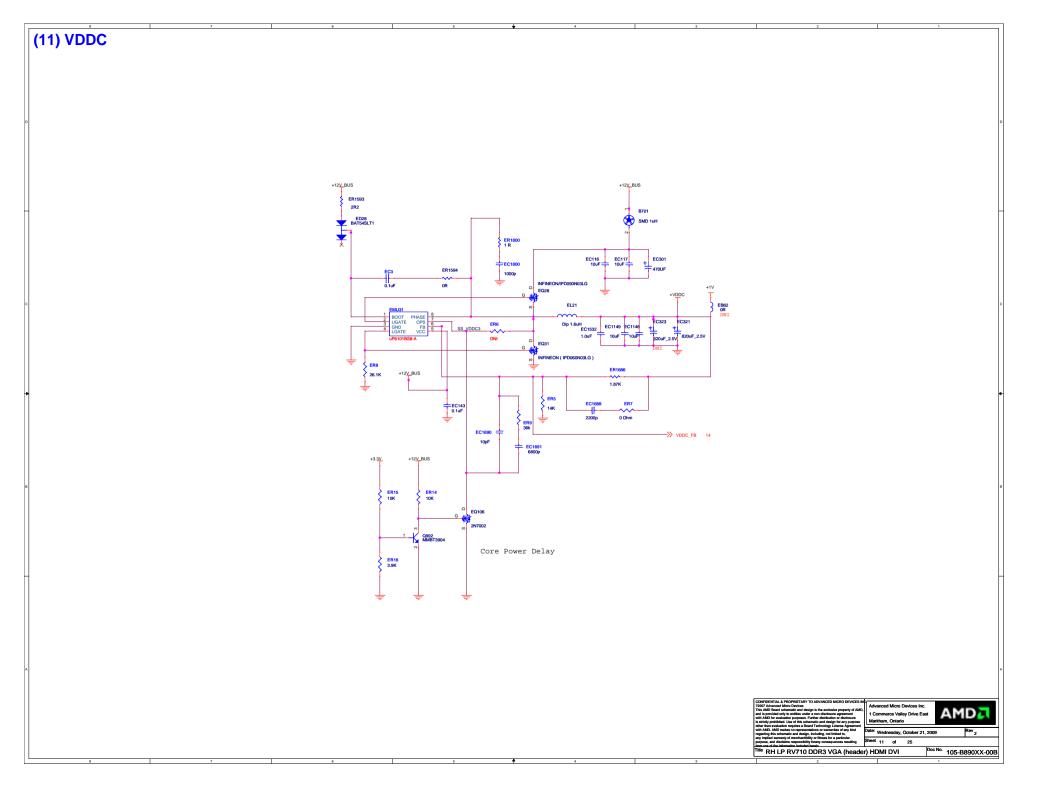


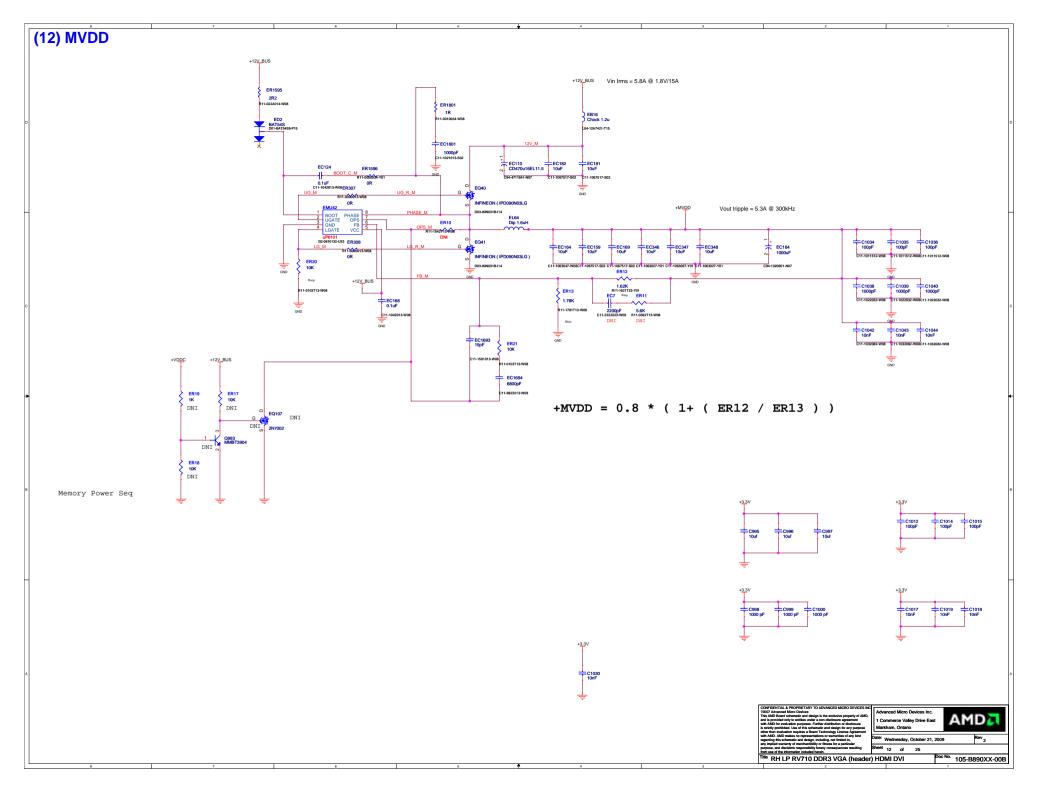




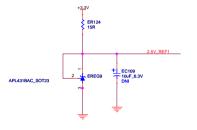


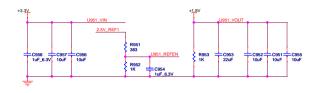


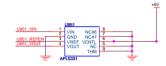


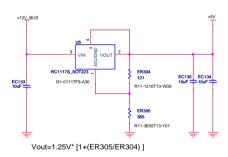


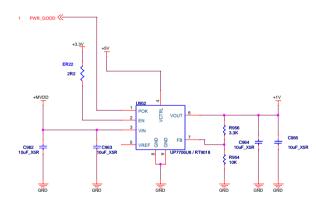
(13) Linear Regulators







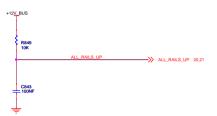


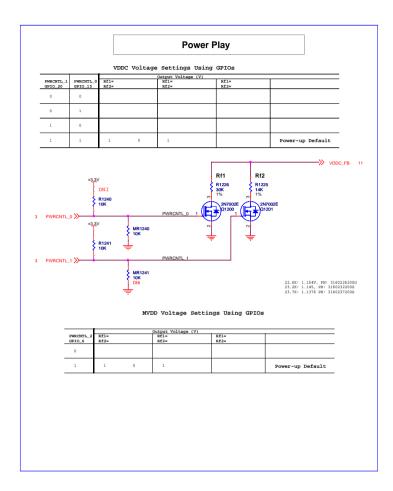


Vout=0.8V * (1+ R956 / R954)

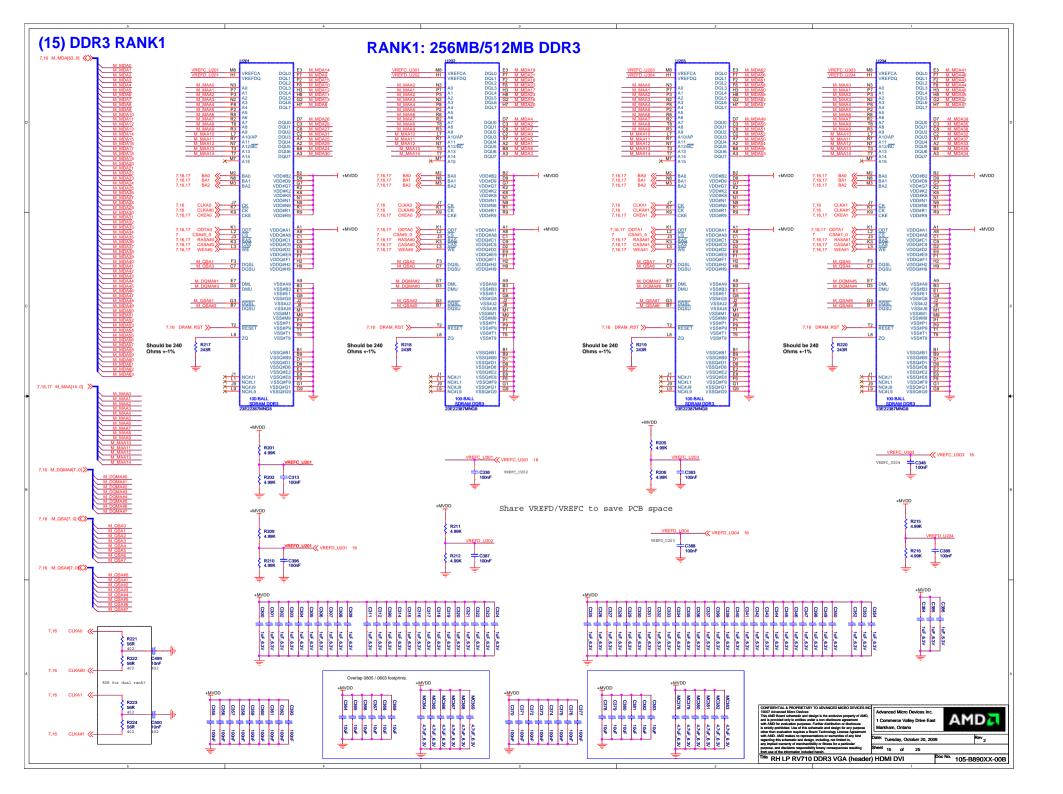


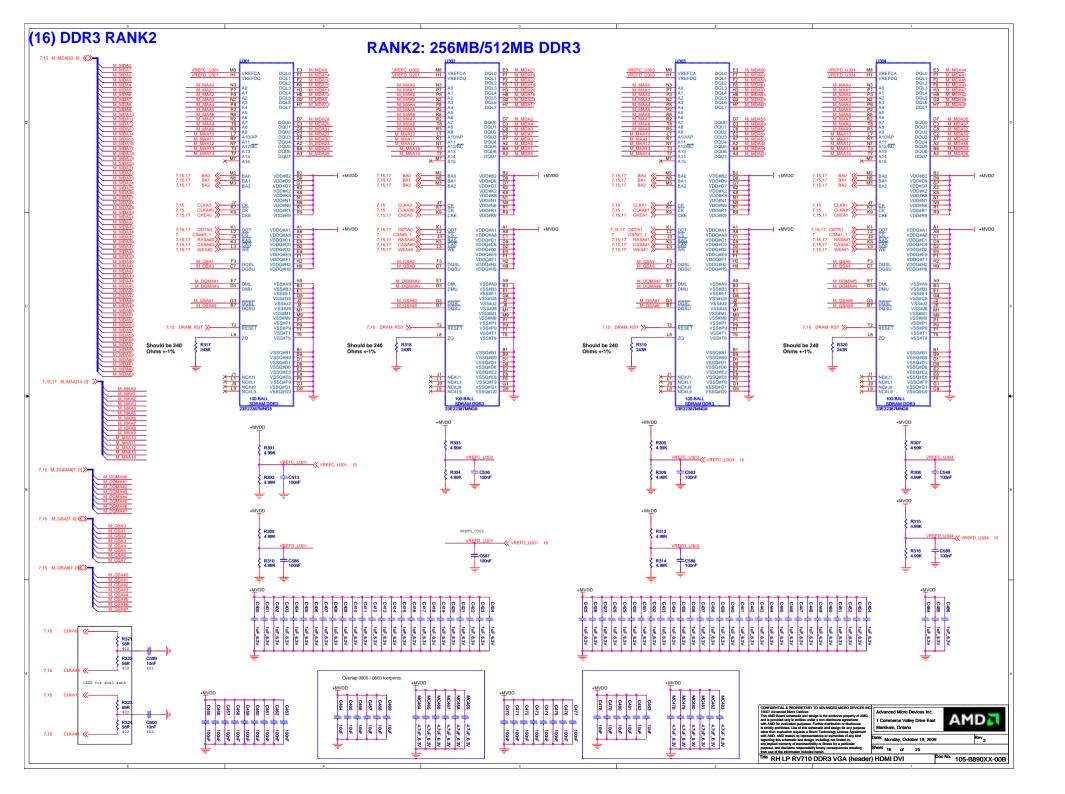
(14) Power Management



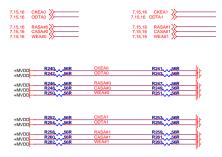


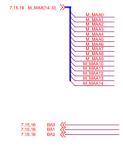














Doc No. 105-B890XX-00B

(18) DAC1 OUTPUT DAC 1 OUTPUT Place close to Connector Pseudo differential RGB signals should be routed from the ASIC to the display connector without switching reference plane or running over split plane RAMMINIAN are following to other forms to the inductors. Foolprints should be overlapped. (R1024-26) 3 A_R_DAC1 3 A_RB_DAC1 3 A_G_DAC1 3 A_B_DAC1 R1027 37.4R R1008 2.2K SYNC and DDC should be routed from the ASIC to the display connector without switching reference plane or running over split plane AMD. late: Tuesday, October 20, 2009 purpose, and decidents responses, in the nation of the information included herein. Title RH LP RV710 DDR3 VGA (header) HDMI DVI Doc No. 105-B890XX-00B

(19) DAC2 OUTPUT

3,10 A_HSYNC_DAC2 >>

3,10 A_VSYNC_DAC2 >>-

DAC 2 OUTPUT

Remove VGA RIBBON CONNECTOR 2009/09/23

Optional ESD Protection Diods

Place near D2002, D2003, D2004, D2005







COMPETENTIAL & PROPRETATIVE TO AUTOMOCIO MICTO DEVICES INC.

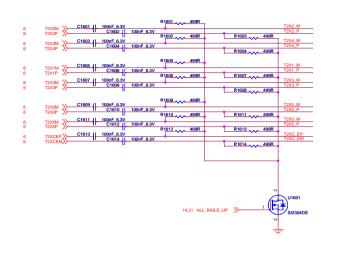
THE AMAD Board standardise and estiga in the standard proporty of Automoci Micro DE 1 Commerce Valle Month and provided only to entitles under a non-disclasse appearant of the automoci provided only to entitles under a non-disclasse appearant of the automoci provided only to entitles under a non-disclasse appearant of the channel of the automoci provided only to entitle to the automoci provided only to entitle to the automoci provided on the automoci provi Markham, Ontario

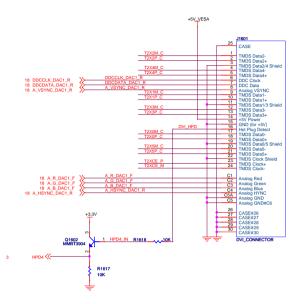
Date: Monday, October 19, 2009

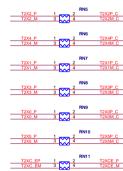
Doc No. 105-B890XX-00B

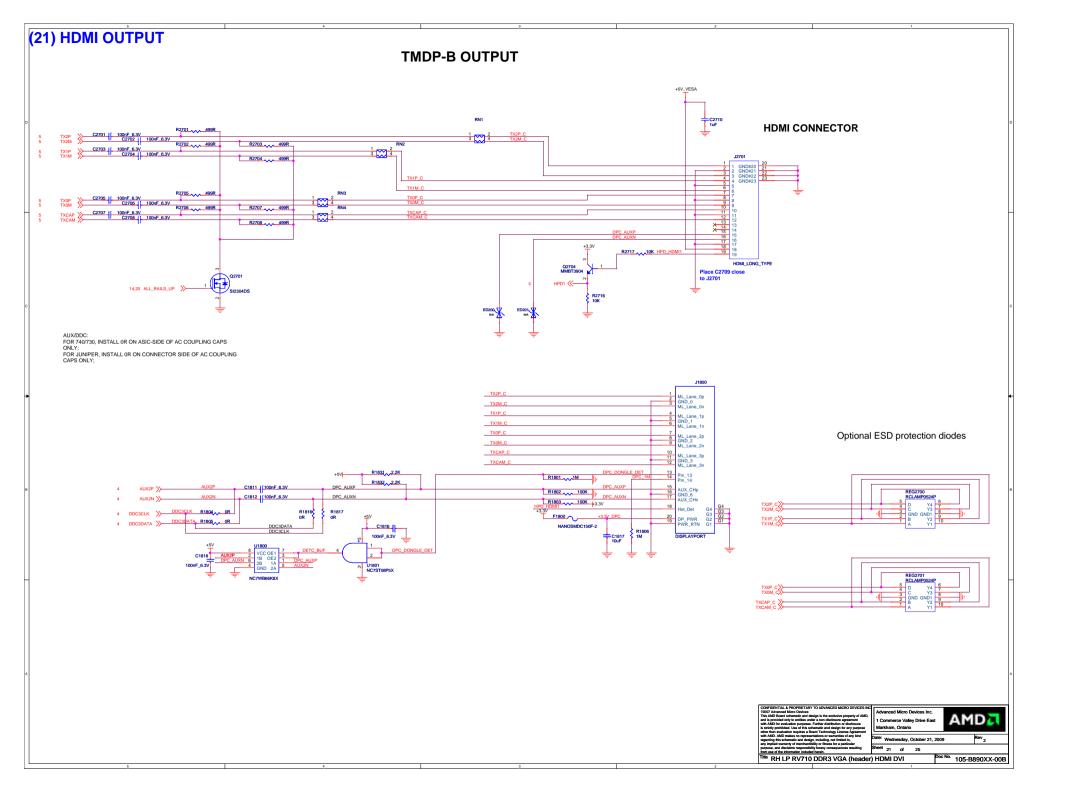
(20) DVI OUTPUT

DPE / DPF OUTPUT

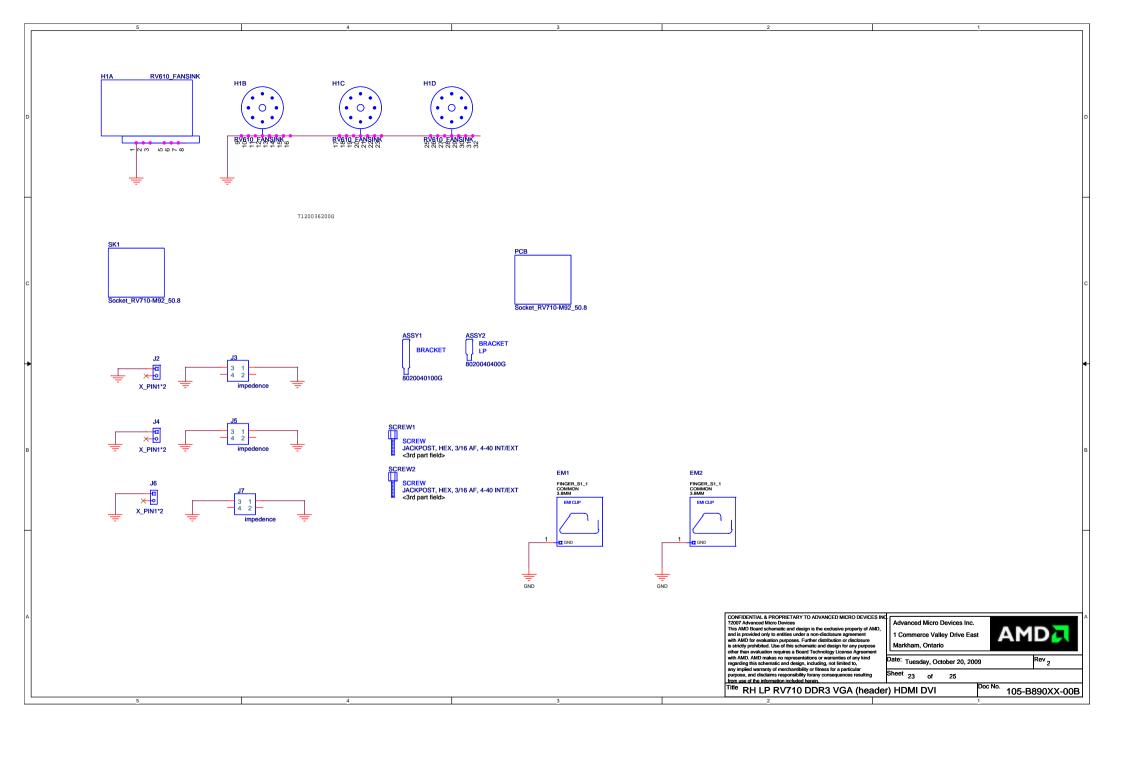


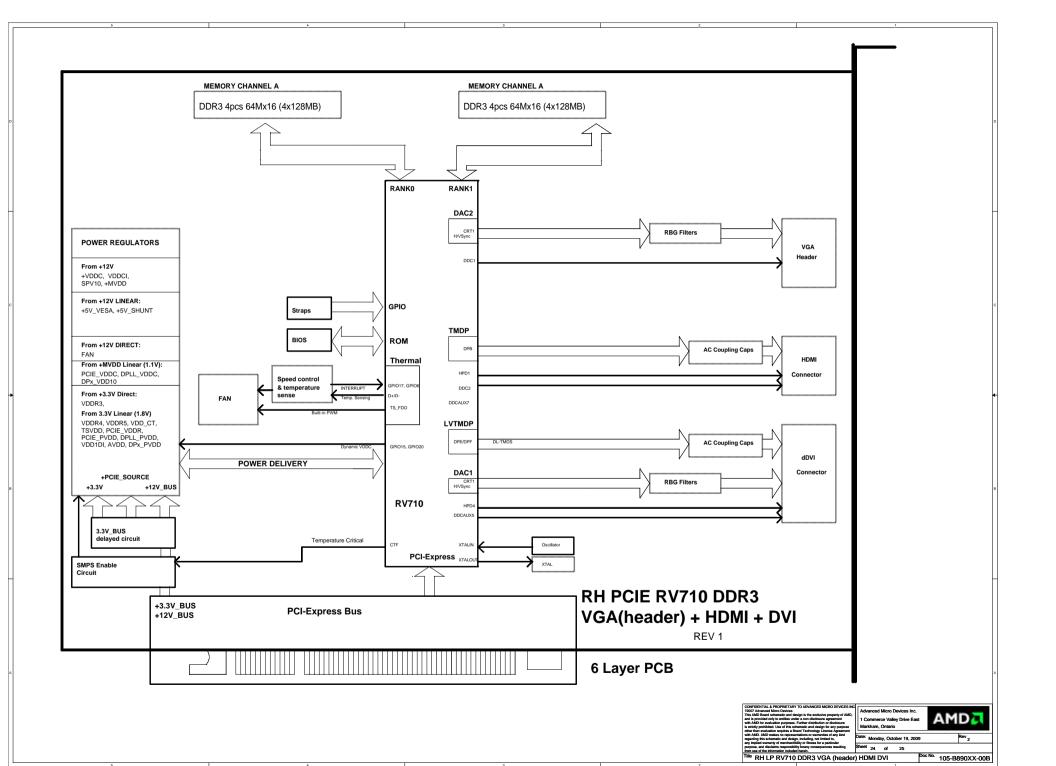






(22) Thermal Management WARNING! Be cautious when using a 3-wire fan with this fan control circuit. The negative pin will not always be ground. Some 3-wire fans with tachometers will only work if the negative pin of the fan is ground. Fan Control 4 TS_FDO (R4101 10K Warning: TS_FDO is not 5V tolerant. MAX sink current 1.65mA FAN_OUT_P R4110 1.5R This circuit provides a minimum voltage for the fan, independent of PWM input. BAT54KFILM purpose, and disclaims responsibility reserve years years resourced them use of the information included herein. Title RH LP RV710 DDR3 VGA (header) HDMI DVI





	Δ	MC		Title RH LP RV710 DDR3 VGA (header) HDMI DVI		3	Schematic No. 105-B890XX-00B	Date: Monday, Octobe	r 19, 2009
				REVISION HISTORY	NOTE:	This schematic represents For Stuffing options (comp Please contact AMD repre	s the PCB, it does not represent any specific S ponent values, DNI \$? please consult the pro- sentative to obtain latest BOM closest to the a	KU. duct specific BOM. pplication desired.	Rev 2
ט	Sch Rev	PCB Rev	Date	RV710 ENGINEERING BOARD	RE\	ISION DESCRIP	TION		
	0	00A	2008.12.30	INITIAL RELEASE OF CUSTOM-WIDE BOARD. BASED ON B625 REV06.					
	1	00B	2009.01.22	Sch no change. just modify HDMI connnecro location on PCB					
1									
)									
•									
3									
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			5	4		3	2		1