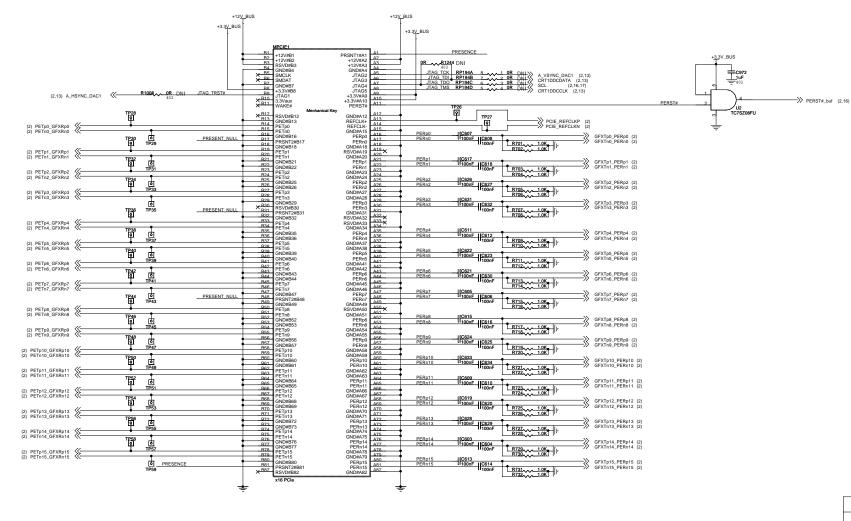


PCI-EXPRESS EDGE CONNECTOR



NOTE: THIS IS A DRAWING. THESE GROUNDS MUST BE MANUALLY CONNECTED TO THE GROUND PLANE





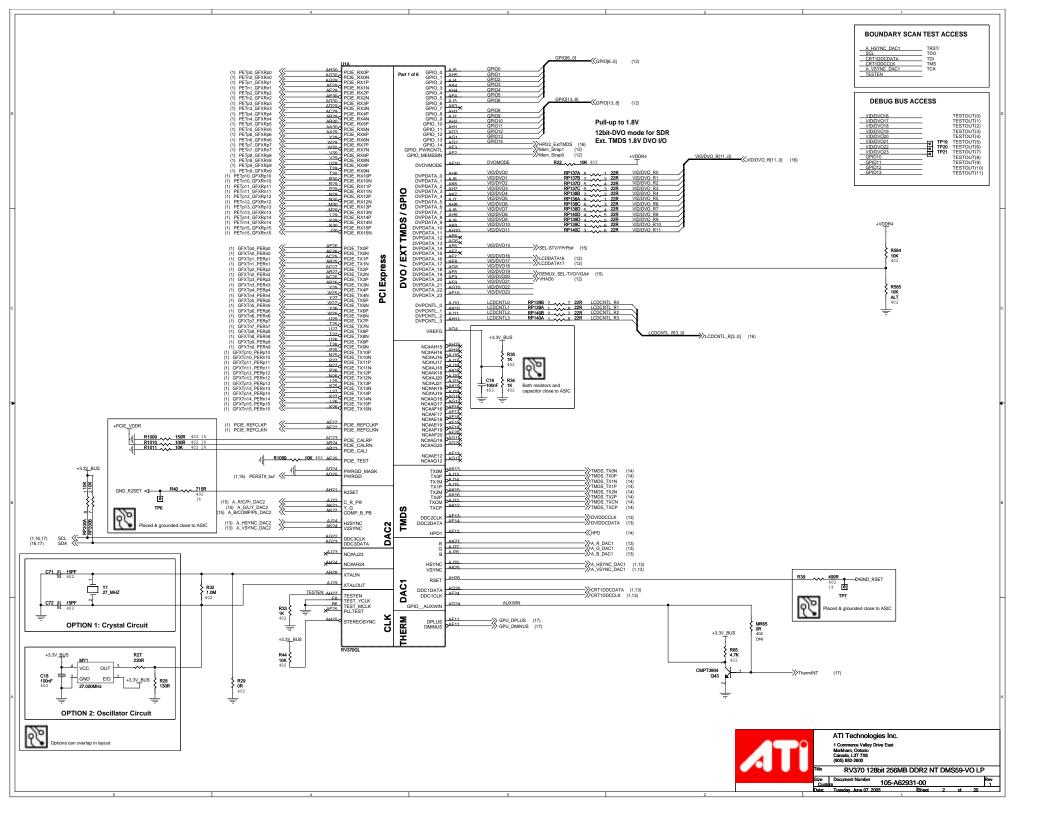
RV370 128bit 256MB DDR2 NT DMS59-VO LP

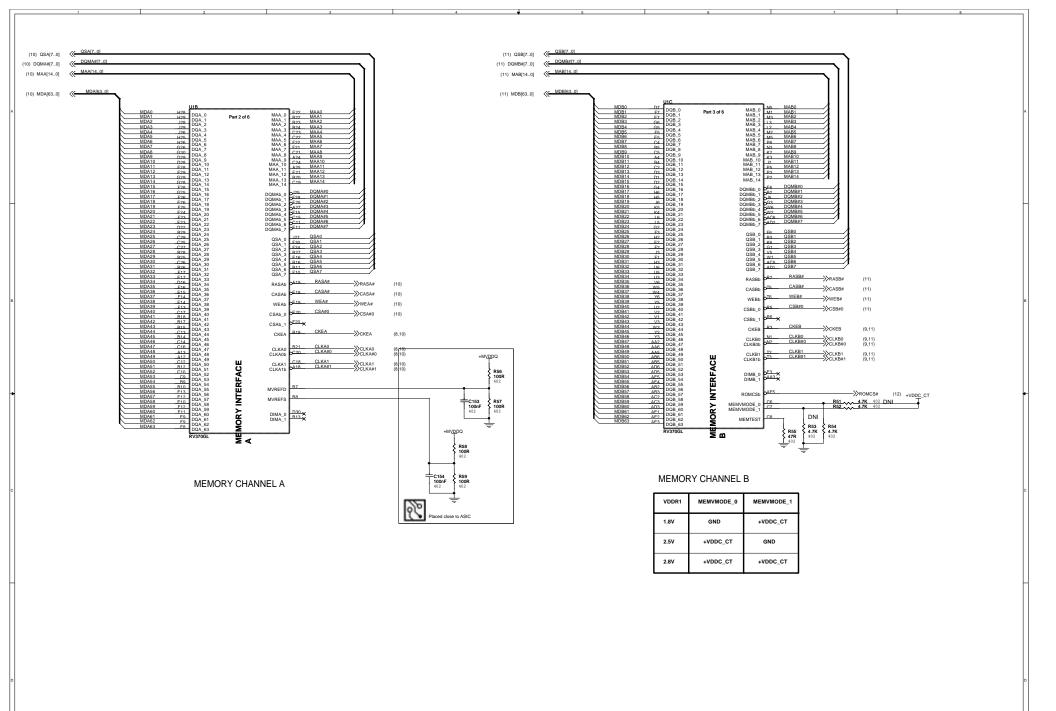
Document Number 105-A62931-00

SYMBOL LEGEND

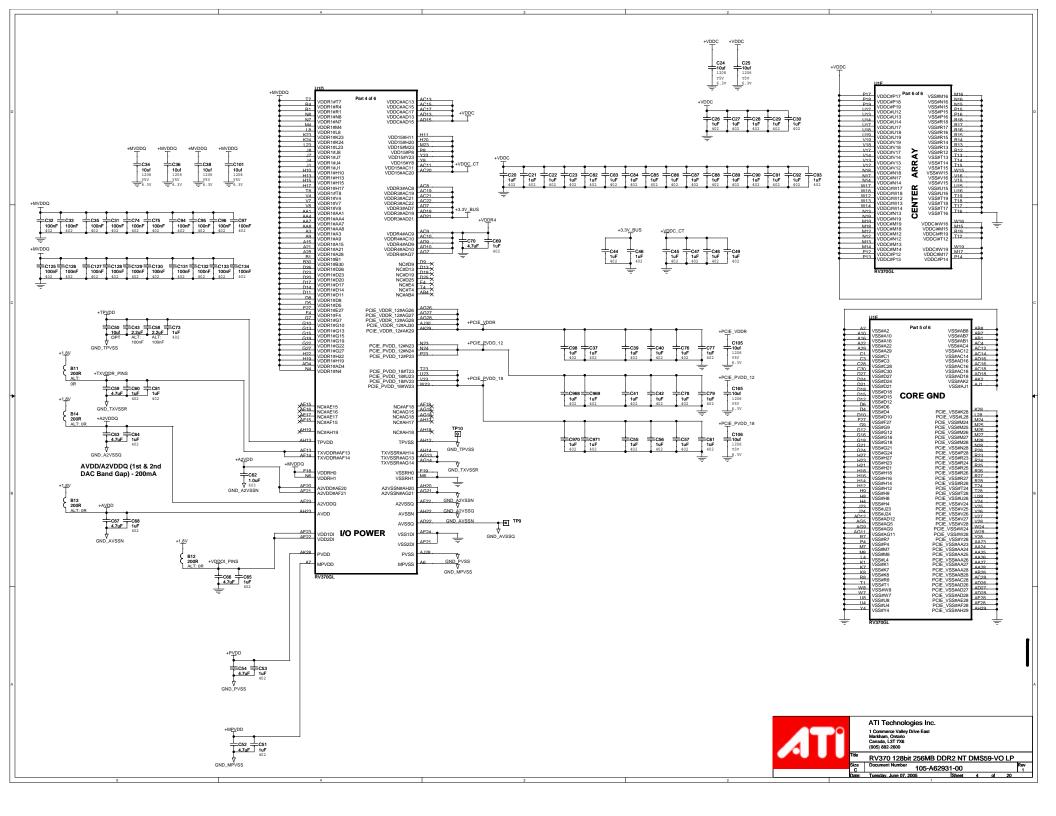
ANALOG GROUND

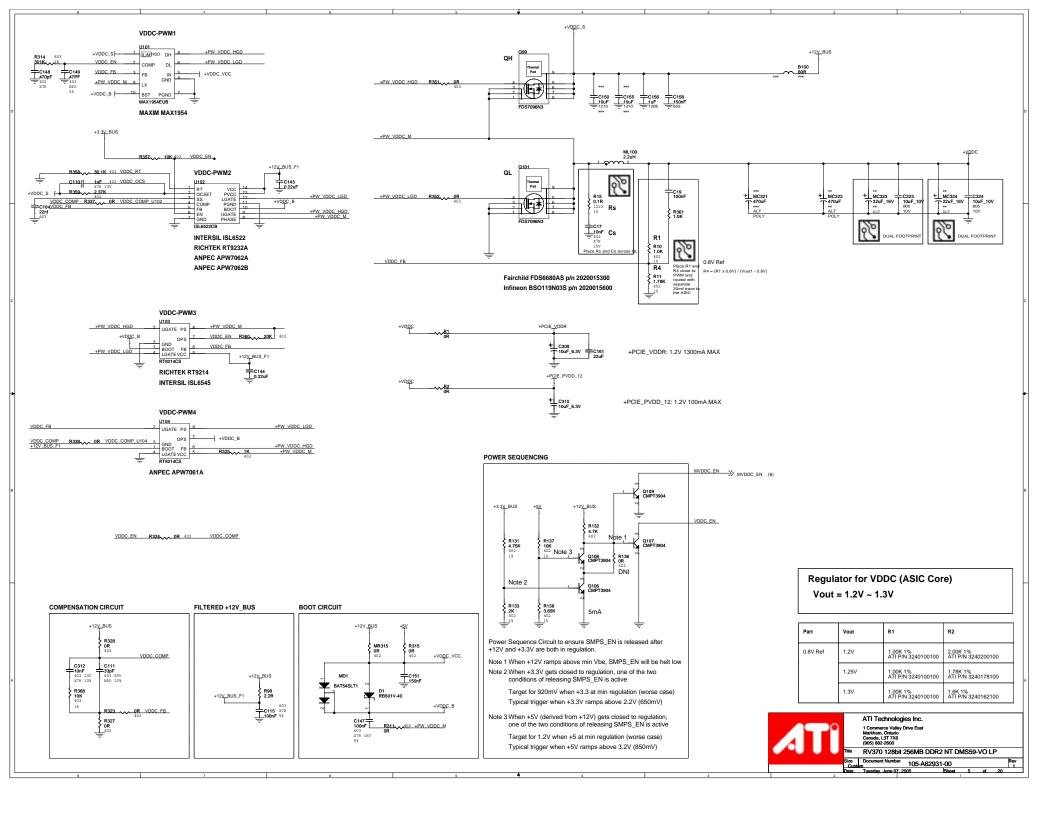
| Document Number | 105-A62931-00 | | Date: Tuesday, June 07, 2005 | Sheet 1 of 2

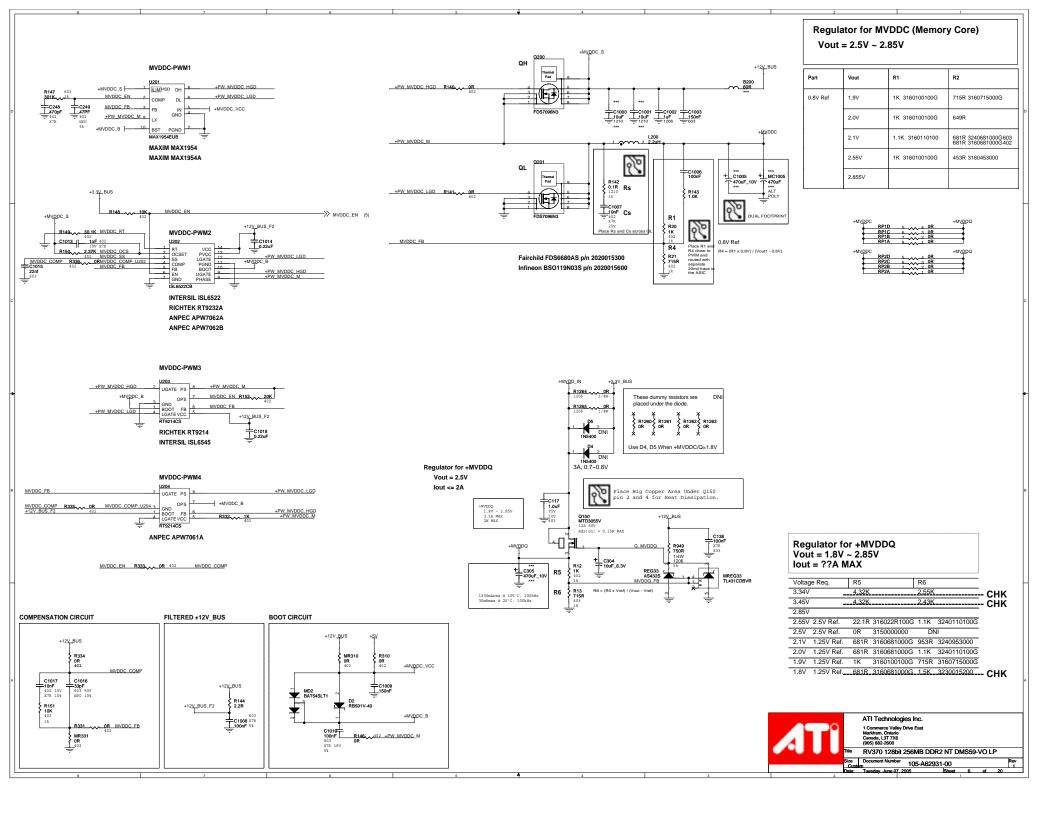


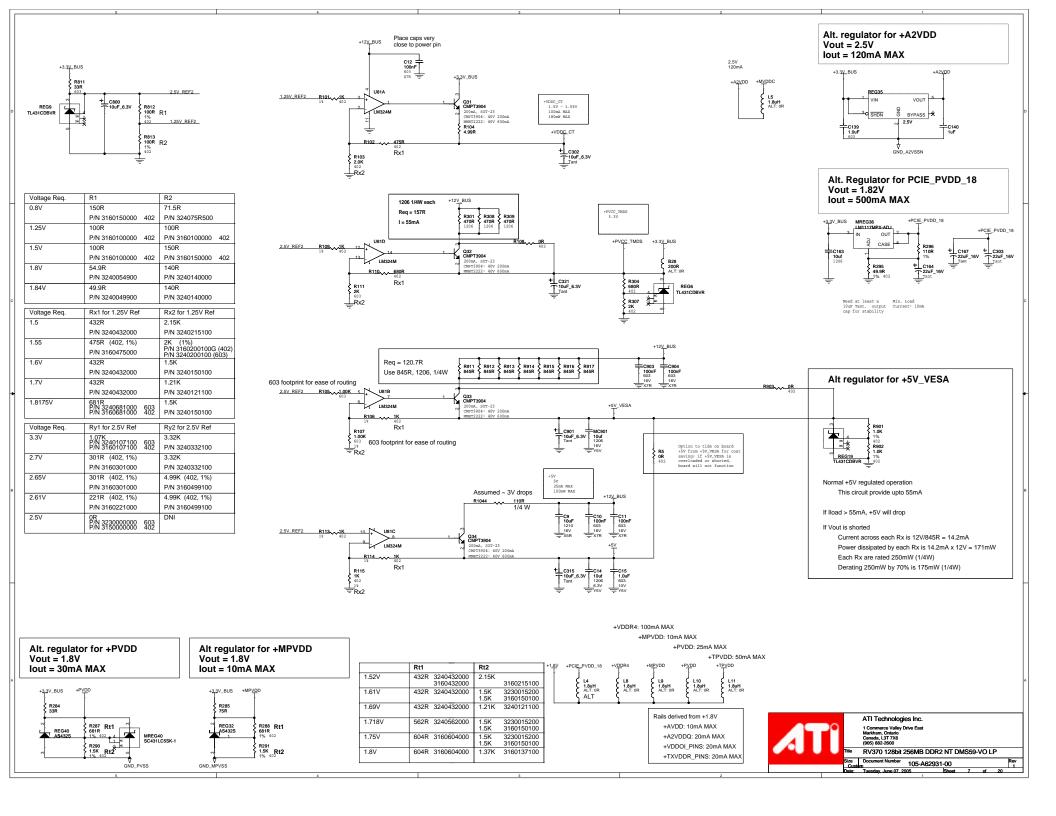


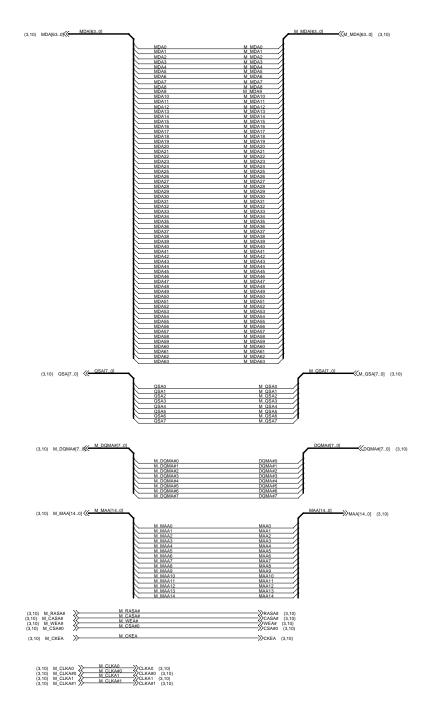




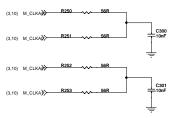












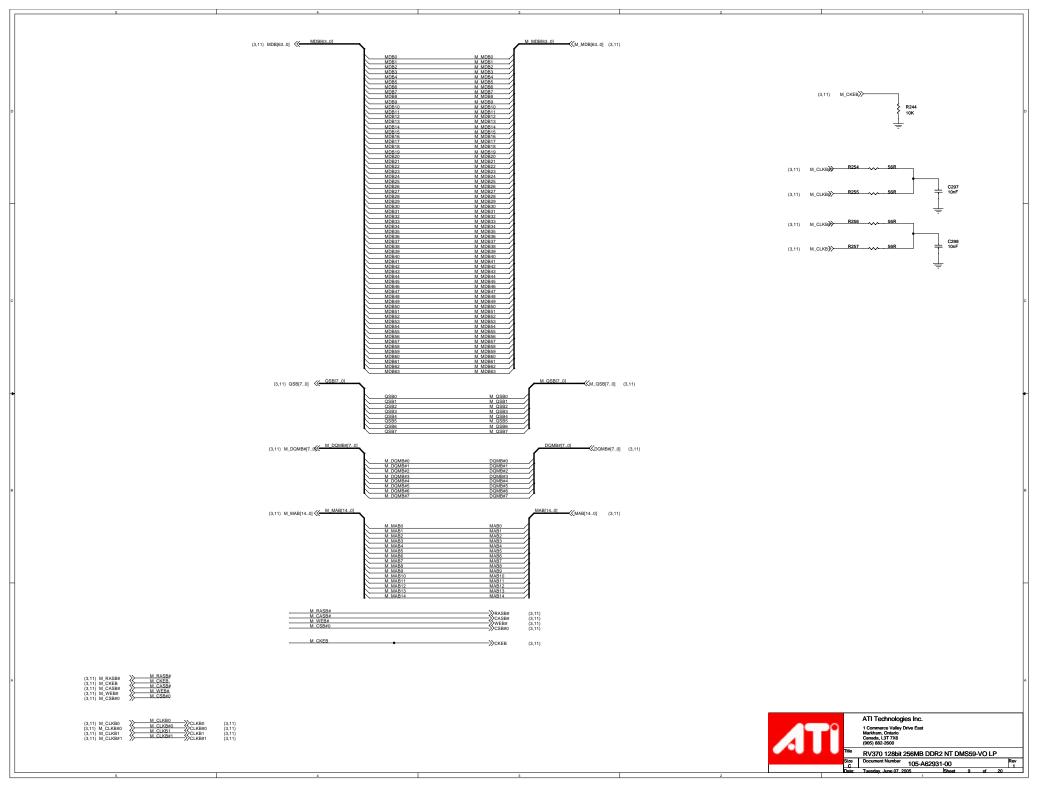


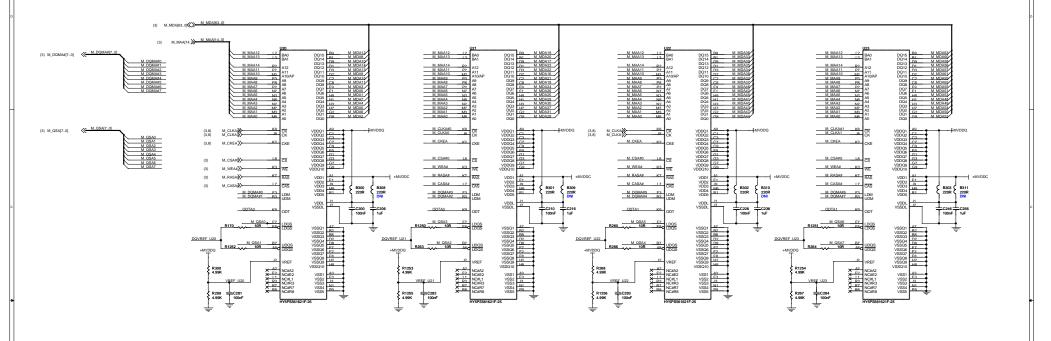
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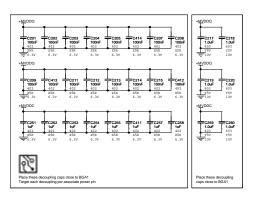
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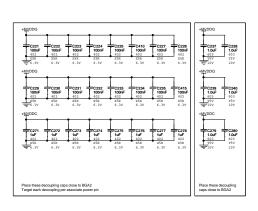
RV370 128bit 256MB DDR2 NT DMS59-VO LP

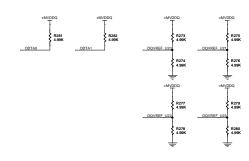
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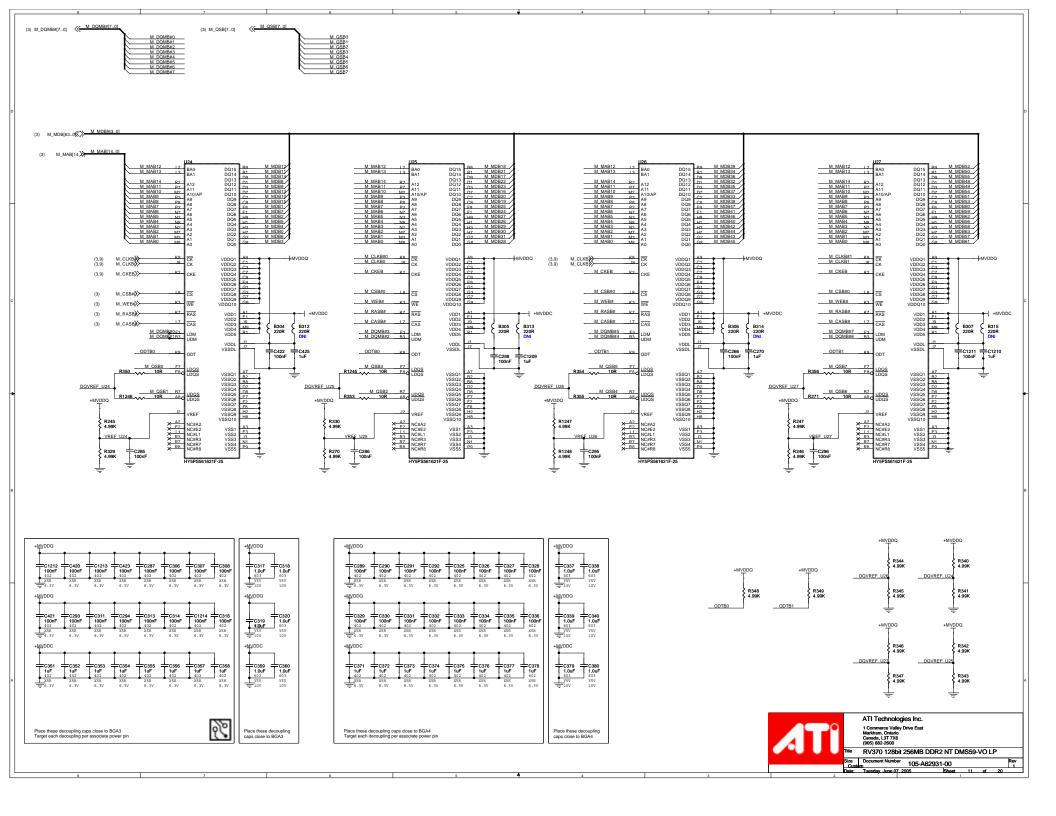




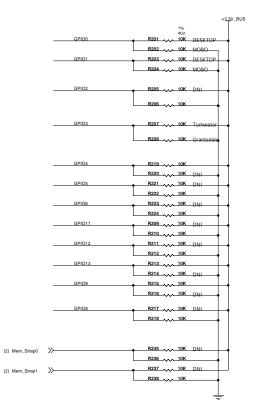




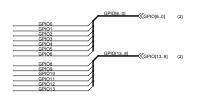




OPTION STRAPS



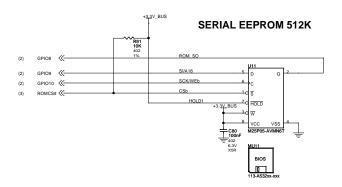
		ľ
(2) LCDDATA16	>	R227 10KDNI
		R22810K
(2) LCDDATA17	>	R229 10K DNI
		R230 10K
(2) VHAD0	»	R231 10K DNI
(L) VIIIDO	"	R232 10K



STRAPS	PIN	DESCRIPTION	ASIC DEFAULT
STRAP_B_PTX_PWRS_ENB	GPI00	Tansmitter Power Savings Enable 0: 50% Tx output swing for mobile mode 1: full Tx output swing	0
STRAP_B_PTX_DEEMPH_EN	GPIO1	Transmitter De-emphasis Enable 0: Tx de-emphasis disabled for mobile mode 1: Tx de-emphasis enabled	0
PCIE_MODE(1:0)	GPIO(3:2)	00: PCI Express 1.0A mode (Grantsdale) 01: Syrane-compatible mode 01: Syrane-compatible mode 11: PCI Express 1.0 mode (Turnwater) 11: PCI Express 1.0A mode and short-circuit internal loopback mode (Rx connected directly to 1x of MY)	00
STRAP_B_PTX_IEXT	GPIO4	Transmitter Extra Current 0: normal mode 1: extra current in Tx output stage - potential power savings for mobile mode	0
STRAP_FORCE_COMPLIANCE	GPIO5	Force chip to go to Compliance state quickly for Tester purposes 0: normal operational mode 1: compliance mode	0
STRAP_B_PPLL_BW	GPIO6	PLL Bandwidth 0: full PLL Bandwidth 1: reduced PLL bandwidth	0
STRAP_DEBUG_ACCESS	GPIO8	Strap to set the debug muxes to bring out DEBUG signals even if registers are inaccessible.	0
ROMIDGFG(3:0)	GPIO(9,13:11)	If no ROM attached, controls chip IDis. If rom attached identifies ROM type 0000+ No ROM, CHG, ID-0 1 0000+ No ROM, CHG, ID-0 1 0000+ No ROM, CHG, ID-1 0000+ No ROM, CHG, ID-1 0000+ No ROM, CHG, IDIS IN ROM, CH	
VIP_DEVICE	DVPDATA_20 (VHAD0 net)	Indicates if any slave VIP host devices drove this in low during reset. 0 - Slave VIP host port devices present 1 - No slave VIP host port devices reporting presence during reset	

L	STRAP P	INTERRUPT
	LOW	ENABLED (DEFAULT)
	HIGH	DISABLED

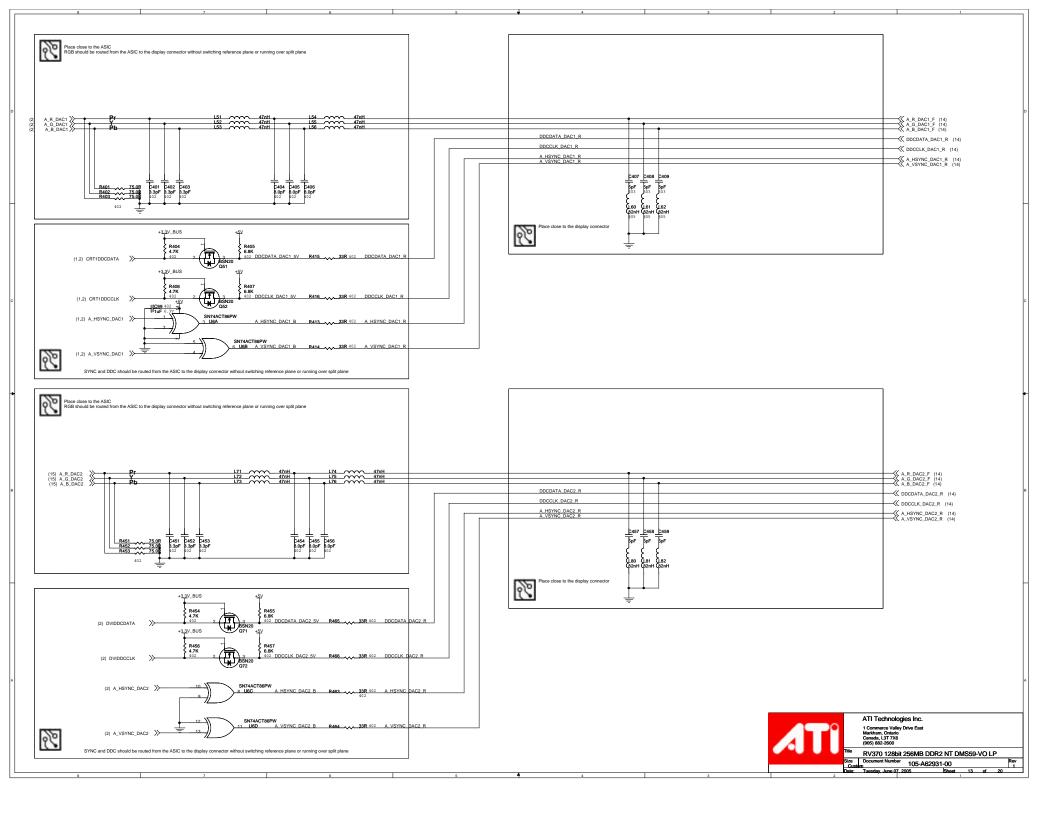
MEMORY TYPE STRAPS			
	Mem_Strap0	Mem_Strap1	
SAM	0	0	
INF	1	0	
HYN	0	1	
ELPIDA	1	1	



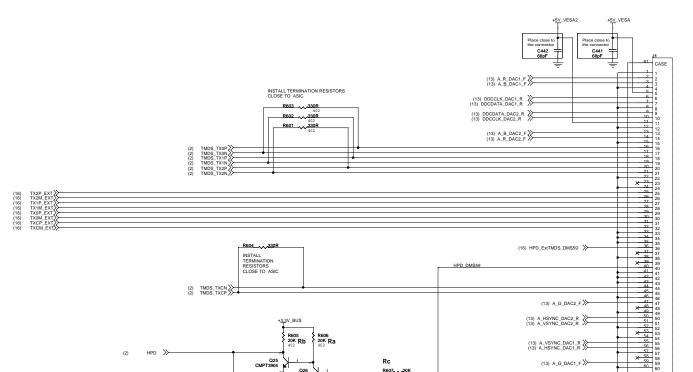


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VESA Multi-Display Interface DMS-59 Connector



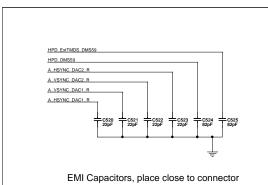
(13) A_HSYNC_DAC2_R (13) A_VSYNC_DAC2_R (13) A_VSYNC_DAC1_R (13) A_HSYNC_DAC1_R (13) A_G_DAC1_F >>>

Connector 1	
Signals	Mapping
VGA:	DAC1
DVI:	External TMDS
HPD:	External TMDS HPD
DDC:	CRT1 DDC
5V:	+5V_VESA

Connector 2	
Signals	Mapping
VGA:	DAC2 (TVDAC)
DVI:	Internal/Integrated TMDS
HPD:	Internal/Integrated TMDS HPD
DDC:	DVI DDC
5V:	+5V_VESA2



	HPD_ExtTMDS_DVI	HPD_ExtTMDS	HPD_ExtTMDS
		Type A	Type B
NC	High Z	0 (0V)	0 (0V)
Connected	5V	1 (3.3V)	1 (3.3V)

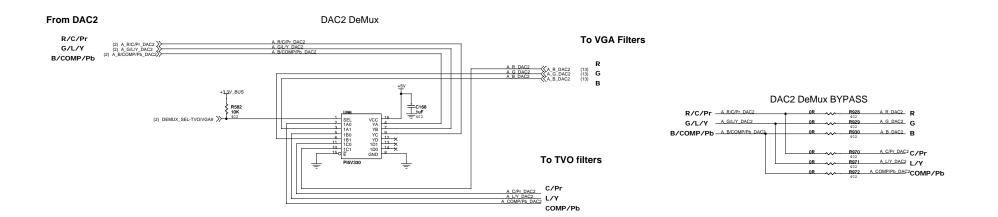




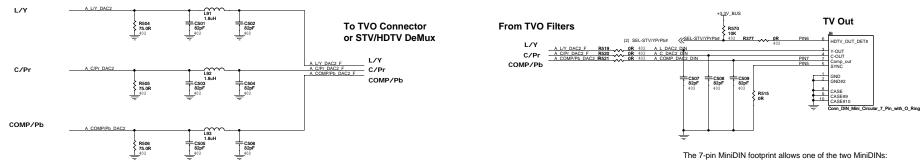
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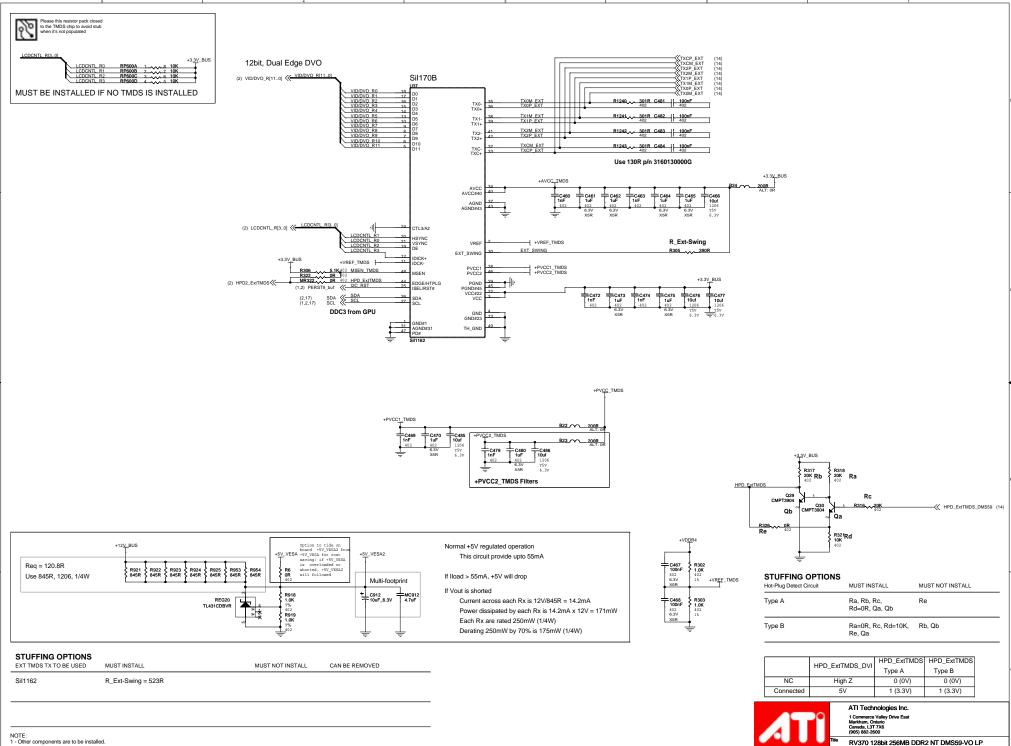


From VGA DeMux



- 7-pin Svideo/Composite MiniDIN P/N 6071001500
- 4-pin Svideo MiniDIN P/N 6070001000





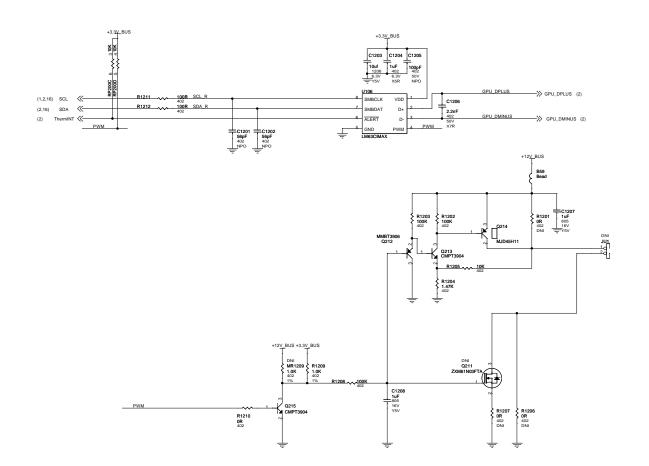
NOTE:

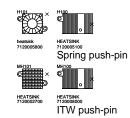
1 - Other components are to be installed.

2 - Components marked as DNI should not be installed. They should only be installed if default board settings are to be changed in which case other components may have to be adjusted accordingly.



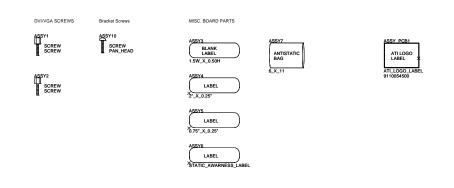
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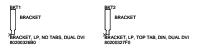
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Title RV370 128bit 256MB DDR2 NT DMS59-VO LP
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LP brackets



ATX brackets





