P892-A04: GT200/NVIO2

Table of Contents

Page 1: Title Page
Page 2: Block Diagram
Page 3: PCI Express / JTAG
Page 4: Framebuffer A,B: GPU Section + Calibration
Page 5: Framebuffer C,D: GPU Section
Page 6: Framebuffer E,F: GPU Section
Page 7: Framebuffer G,H: GPU Section
Page 8: Framebuffer A: Memory Section
Page 9: Framebuffer B: Memory Section
Page 10: Framebuffer C: Memory Section
Page 11: Framebuffer D: Memory Section
Page 12: Framebuffer E: Memory Section
Page 13: Framebuffer F: Memory Section
Page 14: Framebuffer G: Memory Section
Page 15: Framebuffer H: Memory Section
Page 16: Decoupling: Memory Section A-D
Page 17: Decoupling: Memory Section E-G
Page 18: Decoupling: GPU (NVVDD, FBVDDQ)
Page 19: GPU-NVIO Interconnect: GV Bus / PLL
Page 20: Display: DACA (Middle DVI-I)
Page 21: Display: DACC (South DVI-I)
Page 22: Display: DACB (North MiniDIN) SD/HDTV out
Page 23: Display: IFPAB for south DVI-I (with DACC)
Page 24: Display: IFPCD for middle DVI-I (with DACA)
Page 25: Connectors: DR Interface (Dual SLI)
Page 26: MISC: GPIO / XTAL / VBIOS / HDCP / I2C / GPU SPDIF
Page 27: MISC: MIO / DVI / STRAPS
Page 28: Power and GND (GPU and NVIOx)
Page 29: Power Supply: SPDIF IN / AVDD FILTER / DDC_5V / IFP_IOVDD / FAN DELAY / FAN / THERM
Page 30: Power Supply: 5V / 2V5 / 1V15 / PWM_5V / 8V5
Page 31: Power Supply: Combined FBVDD/Q
Page 32: Power Supply: NVVDD REGULATOR
Page 33: Power Supply: NVVDD Phase 1-3 of 6
Page 34: Power Supply: NVVDD Phase 4-6 of 6
Page 35: Power: Input Rail Filter and Detection Logic
Page 36: Thermal/Mechanical

SKU	VARIANT	NVPN	ASSEMBLY
B	BASE	600-10892-BASE-400	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL
1	SKU0052	600-10892-0052-400	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
2	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
3	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
4	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
5	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
6	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
7	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
8	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
9	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
10	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
11	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
12	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
13	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
14	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>
15	<UNDEFINED>	<UNDEFINED>	<UNDEFINED>

ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Title Page

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	1 OF 42
NAME	myan	DATE	14-JAN-2009

RESERVED

ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Block Diagram

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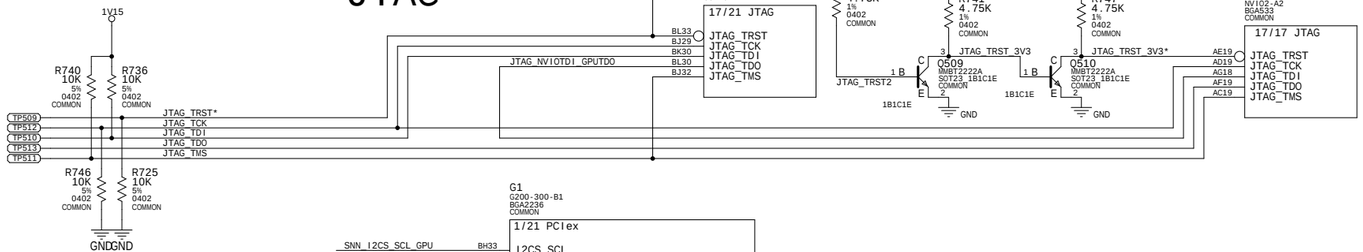
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	2 OF 42
NAME	myan	DATE	14-JAN-2009

PCI Express / JTAG

JTAG



ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	PCI Express / JTAG

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NAME	myan	DATE	14-JAN-2009

Framebuffer A,B: GPU Section + Calibration

G1
G200-300-B1
BGA2236
COMMON

2/21 MEM_A

FBA_D<0>	BL39	FBA_D0	FBA_D32	BK50	FBA_D<32>
FBA_D<1>	BK38	FBA_D1	FBA_D33	BJ51	FBA_D<33>
FBA_D<2>	BK39	FBA_D2	FBA_D34	BH51	FBA_D<34>
FBA_D<3>	BJ39	FBA_D3	FBA_D35	BH50	FBA_D<35>
FBA_D<4>	BK42	FBA_D4	FBA_D36	BH49	FBA_D<36>
FBA_D<5>	BJ41	FBA_D5	FBA_D37	BG49	FBA_D<37>
FBA_D<6>	BJ42	FBA_D6	FBA_D38	BG50	FBA_D<38>
FBA_D<7>	BH42	FBA_D7	FBA_D39	BG52	FBA_D<39>
FBA_D<8>	BH44	FBA_D8	FBA_D40	BD49	FBA_D<40>
FBA_D<9>	BM45	FBA_D9	FBA_D41	BC48	FBA_D<41>
FBA_D<10>	BL43	FBA_D10	FBA_D42	BD47	FBA_D<42>
FBA_D<11>	BK44	FBA_D11	FBA_D43	BC47	FBA_D<43>
FBA_D<12>	BK45	FBA_D12	FBA_D44	BA47	FBA_D<44>
FBA_D<13>	BJ45	FBA_D13	FBA_D45	BA46	FBA_D<45>
FBA_D<14>	BJ44	FBA_D14	FBA_D46	AY47	FBA_D<46>
FBA_D<15>	BH45	FBA_D15	FBA_D47	AY48	FBA_D<47>
FBA_D<16>	BN46	FBA_D16	FBA_D48	BB52	FBA_D<48>
FBA_D<17>	BM46	FBA_D17	FBA_D49	BE50	FBA_D<49>
FBA_D<18>	BM47	FBA_D18	FBA_D50	BB51	FBA_D<50>
FBA_D<19>	BL48	FBA_D19	FBA_D51	BE51	FBA_D<51>
FBA_D<20>	BL49	FBA_D20	FBA_D52	BC52	FBA_D<52>
FBA_D<21>	BM51	FBA_D21	FBA_D53	BC51	FBA_D<53>
FBA_D<22>	BL51	FBA_D22	FBA_D54	BF52	FBA_D<54>
FBA_D<23>	BL52	FBA_D23	FBA_D55	BE52	FBA_D<55>
FBA_D<24>	BK47	FBA_D24	FBA_D56	BA52	FBA_D<56>
FBA_D<25>	BJ47	FBA_D25	FBA_D57	BA50	FBA_D<57>
FBA_D<26>	BH46	FBA_D26	FBA_D58	BA49	FBA_D<58>
FBA_D<27>	BG46	FBA_D27	FBA_D59	AW49	FBA_D<59>
FBA_D<28>	BG47	FBA_D28	FBA_D60	AW50	FBA_D<60>
FBA_D<29>	BH48	FBA_D29	FBA_D61	AW51	FBA_D<61>
FBA_D<30>	BF48	FBA_D30	FBA_D62	AV50	FBA_D<62>
FBA_D<31>	BE47	FBA_D31	FBA_D63	AV49	FBA_D<63>
FBA_DQM0	BH39	FBA_DQM0	FBA_DQM4	BH52	FBA_DQM4
FBA_DQM1	BM44	FBA_DQM1	FBA_DQM5	BB47	FBA_DQM5
FBA_DQM2	BM48	FBA_DQM2	FBA_DQM6	BD50	FBA_DQM6
FBA_DQM3	BF47	FBA_DQM3	FBA_DQM7	AW52	FBA_DQM7
FBA_DQS_RN0	BL42	FBA_DQS_RN0	FBA_DQS_RN4	BK52	FBA_DQS_RN4
FBA_DQS_RN1	BP45	FBA_DQS_RN1	FBA_DQS_RN5	BB49	FBA_DQS_RN5
FBA_DQS_RN2	BM50	FBA_DQS_RN2	FBA_DQS_RN6	BC53	FBA_DQS_RN6
FBA_DQS_RN3	BK48	FBA_DQS_RN3	FBA_DQS_RN7	AY53	FBA_DQS_RN7
FBA_DQS_WP0	BK41	FBA_DQS_WP0	FBA_DQS_WP4	BJ52	FBA_DQS_WP4
FBA_DQS_WP1	BM49	FBA_DQS_WP1	FBA_DQS_WP5	BB48	FBA_DQS_WP5
FBA_DQS_WP2	BM49	FBA_DQS_WP2	FBA_DQS_WP6	BD52	FBA_DQS_WP6
FBA_DQS_WP3	BJ48	FBA_DQS_WP3	FBA_DQS_WP7	AY52	FBA_DQS_WP7
FBA_CMD<0>	BR47	FBA_CMD0			
FBA_CMD<1>	BN47	FBA_CMD1			
FBA_CMD<2>	BR48	FBA_CMD2			
FBA_CMD<3>	BP48	FBA_CMD3			
FBA_CMD<4>	BN48	FBA_CMD4			
FBA_CMD<5>	BN49	FBA_CMD5			
FBA_CMD<6>	BR50	FBA_CMD6			
FBA_CMD<7>	BN50	FBA_CMD7			
FBA_CMD<8>	BR51	FBA_CMD8			
FBA_CMD<9>	BP51	FBA_CMD9			
FBA_CMD<10>	BN51	FBA_CMD10			
FBA_CMD<11>	BP53	FBA_CMD11			
FBA_CMD<12>	BN52	FBA_CMD12			
FBA_CMD<13>	BN54	FBA_CMD13			
FBA_CMD<14>	BM53	FBA_CMD14			
FBA_CMD<15>	BL55	FBA_CMD15			
FBA_CMD<16>	BL53	FBA_CMD16			
FBA_CMD<17>	BL54	FBA_CMD17			
FBA_CMD<18>	BK53	FBA_CMD18			
FBA_CMD<19>	BK55	FBA_CMD19			
FBA_CMD<20>	BJ53	FBA_CMD20			
FBA_CMD<21>	BH53	FBA_CMD21			
SNN_FBA_CMD<22>	BH54	FBA_CMD22			
FBA_CMD<23>	BH55	FBA_CMD23			
FBA_CMD<24>	BG53	FBA_CMD24			
FBA_CMD<25>	BG55	FBA_CMD25			
FBA_CMD<26>	BF53	FBA_CMD26			
FBA_CMD<27>	BE53	FBA_CMD27			
FBA_CMD<28>	BE54	FBA_CMD28			
SNN_FBA_CMD<29>	BE55	FBA_CMD29			
SNN_FBA_CMD<30>	BD53	FBA_CMD30			
SNN_FBA_CMD<31>	BD55	FBA_CMD31			
SNN_FBA_CMD<32>	BB53	FBA_CMD32			
1 FBA0_CLK0	BF45	FBA0_CLK0	FBA1_CLK0	BB45	FBA1_CLK0
1 FBA0_CLK0	BF44	FBA0_CLK0*	FBA1_CLK0	BB46	FBA1_CLK0*
SNN_FBA0_CLK1	BF41	FBA0_CLK1	SNN_FBA1_CLK1	AW45	
SNN_FBA0_CLK1*	BF42	FBA0_CLK1	SNN_FBA1_CLK1*	AY45	

FBA_DEBUG → AY43 FBA_DEBUG → TP503

FBAB_REFCLK → BF39 FBAB_REFCLK (IN 19.5Ω)
FBAB_REFCLK → BE39 FBAB_REFCLK* (IN 19.5Ω)

1V15_PLLVDD
FBAB_MPLL_AVDD — BC45
C776 .1UF 16V 10% X7R 0402 COMMON — GND
C769 4.7UF 6.3V 10% X5R 0603 COMMON — GND

1 FBB0_CLK0 AW47
1 FBB0_CLK0 AW46
SNN_FBB0_CLK1 AT45
SNN_FBB0_CLK1* AU45

G1
G200-300-B1
BGA2236
COMMON

3/21 MEM_B

FBB_D<0>	AV52	FBB_D0	FBB_D32	AJ50	FBB_D<32>
FBB_D<1>	AU51	FBB_D1	FBB_D33	AJ52	FBB_D<33>
FBB_D<2>	AT52	FBB_D2	FBB_D34	AH52	FBB_D<34>
FBB_D<3>	AT50	FBB_D3	FBB_D35	AG52	FBB_D<35>
FBB_D<4>	AT49	FBB_D4	FBB_D36	AF52	FBB_D<36>
FBB_D<5>	AR49	FBB_D5	FBB_D37	AF51	FBB_D<37>
FBB_D<6>	AR50	FBB_D6	FBB_D38	AF50	FBB_D<38>
FBB_D<7>	AR52	FBB_D7	FBB_D39	AF49	FBB_D<39>
FBB_D<8>	AW48	FBB_D8	FBB_D40	AJ47	FBB_D<40>
FBB_D<9>	AV46	FBB_D9	FBB_D41	AH47	FBB_D<41>
FBB_D<10>	AU47	FBB_D10	FBB_D42	AG47	FBB_D<42>
FBB_D<11>	AT47	FBB_D11	FBB_D43	AF48	FBB_D<43>
FBB_D<12>	AT46	FBB_D12	FBB_D44	AE48	FBB_D<44>
FBB_D<13>	AR46	FBB_D13	FBB_D45	AE47	FBB_D<45>
FBB_D<14>	AP47	FBB_D14	FBB_D46	AD47	FBB_D<46>
FBB_D<15>	AP48	FBB_D15	FBB_D47	AD47	FBB_D<47>
FBB_D<16>	AP52	FBB_D16	FBB_D48	AE53	FBB_D<48>
FBB_D<17>	AN52	FBB_D17	FBB_D49	AE52	FBB_D<49>
FBB_D<18>	AN51	FBB_D18	FBB_D50	AE51	FBB_D<50>
FBB_D<19>	AN50	FBB_D19	FBB_D51	AD52	FBB_D<51>
FBB_D<20>	AK49	FBB_D20	FBB_D52	AC52	FBB_D<52>
FBB_D<21>	AK50	FBB_D21	FBB_D53	AC51	FBB_D<53>
FBB_D<22>	AK51	FBB_D22	FBB_D54	AB52	FBB_D<54>
FBB_D<23>	AK52	FBB_D23	FBB_D55	AB51	FBB_D<55>
FBB_D<24>	AN49	FBB_D24	FBB_D56	AD46	FBB_D<56>
FBB_D<25>	AN49	FBB_D25	FBB_D57	AC46	FBB_D<57>
FBB_D<26>	AN48	FBB_D26	FBB_D58	AC48	FBB_D<58>
FBB_D<27>	AN47	FBB_D27	FBB_D59	AB48	FBB_D<59>
FBB_D<28>	AN46	FBB_D28	FBB_D60	Y48	FBB_D<60>
FBB_D<29>	AL47	FBB_D29	FBB_D61	W48	FBB_D<61>
FBB_D<30>	AK47	FBB_D30	FBB_D62	W46	FBB_D<62>
FBB_D<31>	AK48	FBB_D31	FBB_D63	V46	FBB_D<63>
FBB_DQM0	AT51	FBB_DQM0	FBB_DQM4	AG49	FBB_DQM4
FBB_DQM1	AV47	FBB_DQM1	FBB_DQM5	AH48	FBB_DQM5
FBB_DQM2	AL52	FBB_DQM2	FBB_DQM6	AC50	FBB_DQM6
FBB_DQM3	AW46	FBB_DQM3	FBB_DQM7	Y47	FBB_DQM7
FBB_DQS_RN0	AU53	FBB_DQS_RN0	FBB_DQS_RN4	AH51	FBB_DQS_RN4
FBB_DQS_RN1	AU48	FBB_DQS_RN1	FBB_DQS_RN5	AF47	FBB_DQS_RN5
FBB_DQS_RN2	AL51	FBB_DQS_RN2	FBB_DQS_RN6	AD50	FBB_DQS_RN6
FBB_DQS_RN3	AL48	FBB_DQS_RN3	FBB_DQS_RN7	AC47	FBB_DQS_RN7
FBB_DQS_WP0	AU52	FBB_DQS_WP0	FBB_DQS_WP4	AG50	FBB_DQS_WP4
FBB_DQS_WP1	AT48	FBB_DQS_WP1	FBB_DQS_WP5	AF46	FBB_DQS_WP5
FBB_DQS_WP2	AW50	FBB_DQS_WP2	FBB_DQS_WP6	AC49	FBB_DQS_WP6
FBB_DQS_WP3	AW47	FBB_DQS_WP3	FBB_DQS_WP7	AB47	FBB_DQS_WP7
FBB_CMD<0>	BB54	FBB_CMD0			
FBB_CMD<1>	BB55	FBB_CMD1			
FBB_CMD<2>	BA53	FBB_CMD2			
FBB_CMD<3>	BA55	FBB_CMD3			
FBB_CMD<4>	AW53	FBB_CMD4			
FBB_CMD<5>	AW54	FBB_CMD5			
FBB_CMD<6>	AW55	FBB_CMD6			
FBB_CMD<7>	AV53	FBB_CMD7			
FBB_CMD<8>	AV55	FBB_CMD8			
FBB_CMD<9>	AT53	FBB_CMD9			
FBB_CMD<10>	AT54	FBB_CMD10			
FBB_CMD<11>	AT55	FBB_CMD11			
FBB_CMD<12>	AR53	FBB_CMD12			
FBB_CMD<13>	AR55	FBB_CMD13			
FBB_CMD<14>	AP53	FBB_CMD14			
FBB_CMD<15>	AN55	FBB_CMD15			
FBB_CMD<16>	AN53	FBB_CMD16			
FBB_CMD<17>	AN54	FBB_CMD17			
FBB_CMD<18>	AM53	FBB_CMD18			
FBB_CMD<19>	AM55	FBB_CMD19			
FBB_CMD<20>	AL53	FBB_CMD20			
FBB_CMD<21>	AK53	FBB_CMD21			
SNN_FBB_CMD<22>	AK54	FBB_CMD22			
FBB_CMD<23>	AK55	FBB_CMD23			
FBB_CMD<24>	AJ53	FBB_CMD24			
FBB_CMD<25>	AJ55	FBB_CMD25			
FBB_CMD<26>	AH53	FBB_CMD26			
FBB_CMD<27>	AG55	FBB_CMD27			
FBB_CMD<28>	AG53	FBB_CMD28			
SNN_FBB_CMD<29>	AF55	FBB_CMD29			
SNN_FBB_CMD<30>	AF54	FBB_CMD30			
SNN_FBB_CMD<31>	AF53	FBB_CMD31			
SNN_FBB_CMD<32>	AD55	FBB_CMD32			
1 FBB0_CLK0	AW47	FBB0_CLK0	FBB1_CLK0	AK45	FBB1_CLK0
1 FBB0_CLK0	AW46	FBB0_CLK0*	FBB1_CLK0	AK46	FBB1_CLK0*
SNN_FBB0_CLK1	AT45	FBB0_CLK1	SNN_FBB1_CLK1	AP45	
SNN_FBB0_CLK1*	AU45	FBB0_CLK1	SNN_FBB1_CLK1*	AN45	

FBB_DEBUG ← AU43 FBB_DEBUG ← TP501

FB CAL and Vref

G1
G200-300-B1
BGA2236
COMMON

FBVDDQ
R651 48.7 0402 1% COMMON — FB_CAL_PD_VDDQ — L39
R646 40.2 0402 1% COMMON — FB_CAL_PU_GND — L40
R645 40.2 0402 1% COMMON — FB_CAL_TERM_GND — L42
GND
SNN_FB_VREF0 — AG46
SNN_FB_VREF1 — AH11

10/21 FBCAL
FB_CAL_PD_VDDQ
FB_CAL_PU_GND
FB_CAL_TERM_GND
FB_VREF0
FB_VREF1

FBA_D<0>	40OHM	1 0	OUT 8.2A<>		
FBA_D<1>	40OHM	1 1	FBA_D<0..63>		
FBA_D<2>	40OHM	1 2			
FBA_D<3>	40OHM	1 3			
FBA_D<4>	40OHM	1 4			
FBA_D<5>	40OHM	1 5			
FBA_D<6>	40OHM	1 6			
FBA_D<7>	40OHM	1 7			
FBA_D<8>	40OHM	1 8			
FBA_D<9>	40OHM	1 9			
FBA_D<10>	40OHM	1 10			
FBA_D<11>	40OHM	1 11			
FBA_D<12>	40OHM	1 12			
FBA_D<13>	40OHM	1 13			
FBA_D<14>	40OHM	1 14			
FBA_D<15>	40OHM	1 15			
FBA_D<16>	40OHM	1 16			
FBA_D<17>	40OHM	1 17			
FBA_D<18>	40OHM	1 18			
FBA_D<19>	40OHM	1 19			
FBA_D<20>	40OHM	1 20			
FBA_D<21>	40OHM	1 21			
FBA_D<22>	40OHM	1 22			
FBA_D<23>	40OHM	1 23			
FBA_D<24>	40OHM	1 24			
FBA_D<25>	40OHM	1 25			
FBA_D<26>	40OHM	1 26			
FBA_D<27>	40OHM	1 27			
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FBA_D<33>	40OHM	1 33			
FBA_D<34>	40OHM	1 34			
FBA_D<35>	40OHM	1 35			
FBA_D<36>	40OHM	1 36			
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FBA_D<46>	40OHM	1 46			
FBA_D<47>	40OHM	1 47			
FBA_D<48>	40OHM	1 48			
FBA_D<49>	40OHM	1 49			
FBA_D<50>	40OHM	1 50			
FBA_D<51>	40OHM	1 51			
FBA_D<52>	40OHM	1 52			
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FBA_D<54>	40OHM	1 54			
FBA_D<55>	40OHM	1 55			
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FBA_D<57>	40OHM	1 57			
FBA_D<58>	40OHM	1 58			
FBA_D<59>	40OHM	1 59			
FBA_D<60>	40OHM	1 60			
FBA_D<61>	40OHM	1 61			
FBA_D<62>	40OHM	1 62			
FBA_D<63>	40OHM	1 63			
FBA_DQM0	40OHM	1 BI 8.4A<>			
FBA_DQM1	40OHM	1 BI 8.5A<>			
FBA_DQM2	40OHM	1 BI 8.5A<>			
FBA_DQM3	40OHM	1 BI 8.5A<>			
FBA_DQM4	40OHM	1 BI 8.5A<>			
FBA_DQM5	40OHM	1 BI 8.5A<>			
FBA_DQM6	40OHM	1 BI 8.5A<>			
FBA_DQM7	40OHM	1 BI 8.5A<>			
FBA_DQS_RN0	40OHM	1 IN 8.5A<			
FBA_DQS_RN1	40OHM	1 IN 8.5A<			
FBA_DQS_RN2	40OHM	1 IN 8.5A<			
FBA_DQS_RN3	40OHM	1 IN 8.5A<			
FBA_DQS_RN4	40OHM	1 IN 8.5A<			
FBA_DQS_RN5	40OHM	1 IN 8.5A<			
FBA_DQS_RN6	40OHM	1 IN 8.5A<			
FBA_DQS_RN7	40OHM	1 IN 8.5A<			
FBA_DQS_WP0	40OHM	1 OUT 8.5A>			
FBA_DQS_WP1	40OHM	1 OUT 8.5A>			
FBA_DQS_WP2	40OHM	1 OUT 8.5A>			
FBA_DQS_WP3	40OHM	1 OUT 8.5A>			
FBA_DQS_WP4	40OHM	1 OUT 8.5A>			
FBA_DQS_WP5	40OHM	1 OUT 8.5A>			
FBA_DQS_WP6	40OHM	1 OUT 8.5A>			
FBA_DQS_WP7	40OHM	1 OUT 8.5A>			
FBA_CMD<0>	40OHM	1 0	OUT 8.1A<		
FBA_CMD<1>	40OHM	1 1	FBA_CMD<0..28>		
FBA_CMD<2>	40OHM	1 2			
FBA_CMD<3>	40OHM	1 3			
FBA_CMD<4>	40OHM	1 4			
FBA_CMD<5>	40OHM	1 5			
FBA_CMD<6>	40OHM	1 6			
FBA_CMD<7>	40OHM	1 7			
FBA_CMD<8>	40OHM	1 8			
FBA_CMD<9>	40OHM	1 9			
FBA_CMD<10>	40OHM	1 10			
FBA_CMD<11>	40OHM	1 11			
FBA_CMD<12>	40OHM	1 12			
FBA_CMD<13>	40OHM	1 13			
FBA_CMD<14>	40OHM	1 14			
FBA_CMD<15>	40OHM	1 15			
FBA_CMD<16>	40OHM	1 16			
FBA_CMD<17>	40OHM	1 17			
FBA_CMD<18>	40OHM	1 18			
FBA_CMD<19>	40OHM	1 19			
FBA_CMD<20>	40OHM	1 20			
FBA_CMD<21>	40OHM	1 21			
FBA_CMD<23>	40OHM	1 23			
FBA_CMD<24>	40OHM	1 24			
FBA_CMD<25>	40OHM	1 25			
FBA_CMD<26>	40OHM	1 26			
FBA_CMD<27>	40OHM	1 27			
FBA_CMD<28>	40OHM	1 28			
FBA0_CLK0	80DIFF	1 OUT 8.2A<			
FBA0_CLK0*	80DIFF	1 OUT 8.2A<			
FBA1_CLK0	80DIFF	1 OUT 8.2A<			
FBA1_CLK0*	80DIFF	1 OUT 8.2A<			

FBB_D<0>	40OHM	1 0	OUT 9.2A<>		
FBB_D<1>	40OHM	1 1	FBB_D<0..63>		
FBB_D<2>	40OHM	1 2			
FBB_D<3>	40OHM	1 3			
FBB_D<4>	40OHM	1 4			
FBB_D<5>	40OHM	1 5			
FBB_D<6>	40OHM	1 6			
FBB_D<7>	40OHM	1 7			
FBB_D<8>	40OHM	1 8			
FBB_D<9>	40OHM	1 9			
FBB_D<10>	40OHM	1 10			
FBB_D<11>	40OHM	1 11			
FBB_D<12>	40OHM	1 12			
FBB_D<13>	40OHM	1 13			
FBB_D<14>	40OHM	1 14			
FBB_D<15>	40OHM	1 15			
FBB_D<16>	40OHM	1 16			
FBB_D<17>	40OHM	1 17			
FBB_D<18>	40OHM	1 18			
FBB_D<19>	40OHM	1 19			
FBB_D<20>	40OHM	1 20			
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FBB_D<23>	40OHM	1 23			
FBB_D<24>	40OHM	1 24			
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FBB_D<26>	40OHM	1 26			
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FBB_D<28>	40OHM	1 28			
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FBB_D<61>	40OHM	1 61			
FBB_D<62>	40OHM	1 62			
FBB_D<63>	40OHM	1 63			
FBB_DQM0	40OHM	1 BI 9.4A<>			
FBB_DQM1	40OHM	1 BI 9.5A<>			
FBB_DQM2	40OHM	1 BI 9.5A<>			
FBB_DQM3	40OHM	1 BI 9.5A<>			
FBB_DQM4	40OHM	1 BI 9.5A<>			
FBB_DQM5	40OHM	1 BI 9.5A<>			
FBB_DQM6	40OHM	1 BI 9.5A<>			
FBB_DQM7	40OHM	1 BI 9.5A<>			
FBB_DQS_RN0	40OHM	1 IN 9.5A<			
FBB_DQS_RN1	40OHM	1 IN 9.5A<			
FBB_DQS_RN2	40OHM	1 IN 9.5A<			
FBB_DQS_RN3	40OHM	1 IN 9.5A<			
FBB_DQS_RN4	40OHM	1 IN 9.5A<			
FBB_DQS_RN5	40OHM	1 IN 9.5A<			
FBB_DQS_RN6	40OHM	1 IN 9.5A<			
FBB_DQS_RN7	40OHM	1 IN 9.5A<			
FBB_DQS_WP0	40OHM	1 OUT 9.5A>			
FBB_DQS_WP1	40OHM	1 OUT 9.5A>			
FBB_DQS_WP2	40OHM	1 OUT 9.5A>			
FBB_DQS_WP3	40OHM	1 OUT 9.5A>			
FBB_DQS_WP4	40OHM	1 OUT 9.5A>			
FBB_DQS_WP5	40OHM	1 OUT 9.5A>			
FBB_DQS_WP6	40OHM	1 OUT 9.5A>			
FBB_DQS_WP7	40OHM	1 OUT 9.5A>			
FBB_CMD<0>	40OHM	1 0	OUT 9.1A<		
FBB_CMD<1>	40OHM	1 1	FBB_CMD<0..28>		
FBB_CMD<2>	40OHM	1 2			
FBB_CMD<3>	40OHM	1 3			
FBB_CMD<4>	40OHM	1 4			
FBB_CMD<5>	40OHM	1 5			
FBB_CMD<6>	40OHM	1 6			
FBB_CMD<7>	40OHM	1 7			
FBB_CMD<8>	40OHM	1 8			
FBB_CMD<9>	40OHM	1 9			
FBB_CMD<10>	40OHM	1 10			
FBB_CMD<11>	40OHM	1 11			
FBB_CMD<12>	40OHM	1 12			
FBB_CMD<13>	40OHM	1 13			
FBB_CMD<14>	40OHM	1 14			
FBB_CMD<15>	40OHM	1 15			
FBB_CMD<16>	40OHM	1 16			
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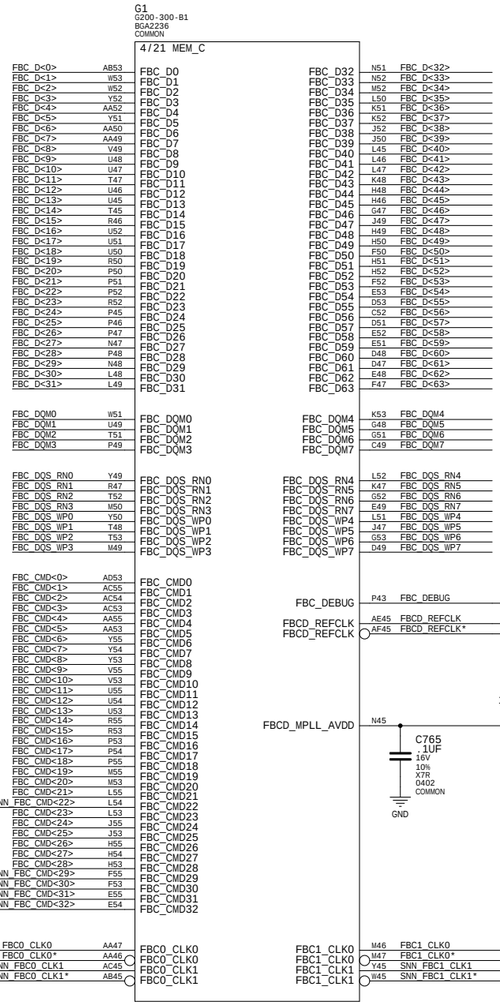
FBB_CMD<19>	40OHM	1 19			
FBB_CMD<20>	40OHM	1 20			
FBB_CMD<21>	40OHM	1 21			
FBB_CMD<23>	40OHM	1 23			
FBB_CMD<24>	40OHM	1 24			
FBB_CMD<25>	40OHM	1 25			
FBB_CMD<26>	40OHM	1 26			
FBB_CMD<27>	40OHM	1 27			
FBB_CMD<28>	40OHM	1 28			
FBB0_CLK0	80DIFF	1 OUT 9.2A<			
FBB0_CLK0*	80DIFF	1 OUT 9.2A<			
FBB1_CLK0	80DIFF	1 OUT 9.2A<			
FBB1_CLK0*	80DIFF	1 OUT 9.2A<			

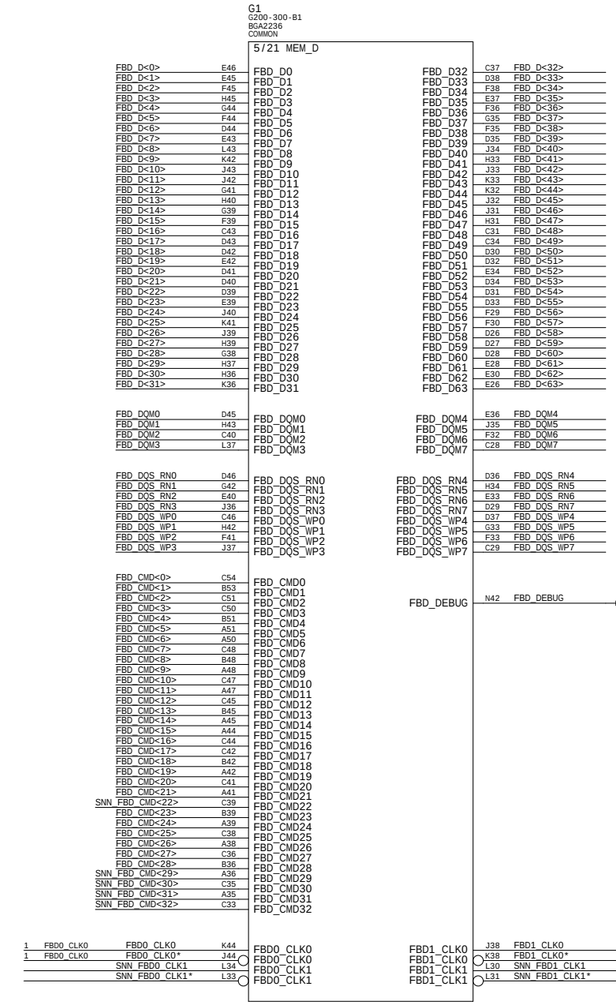
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer A,B: GPU Section + Calibration

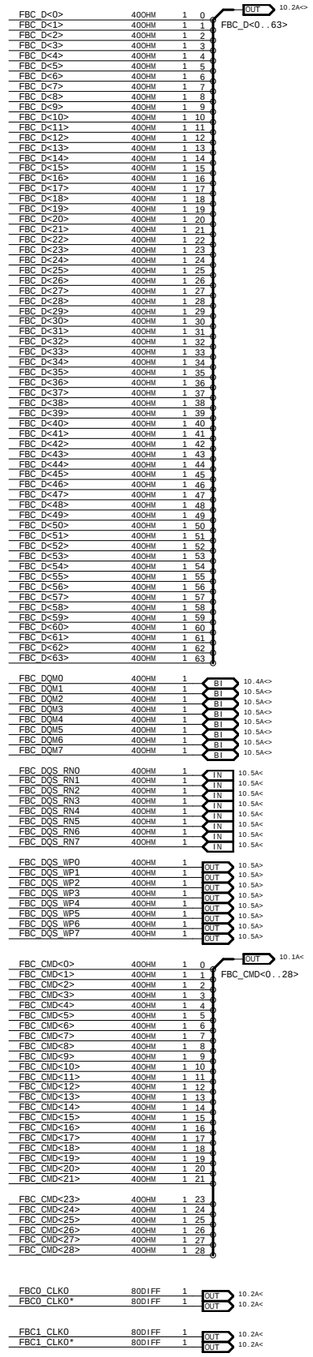
NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

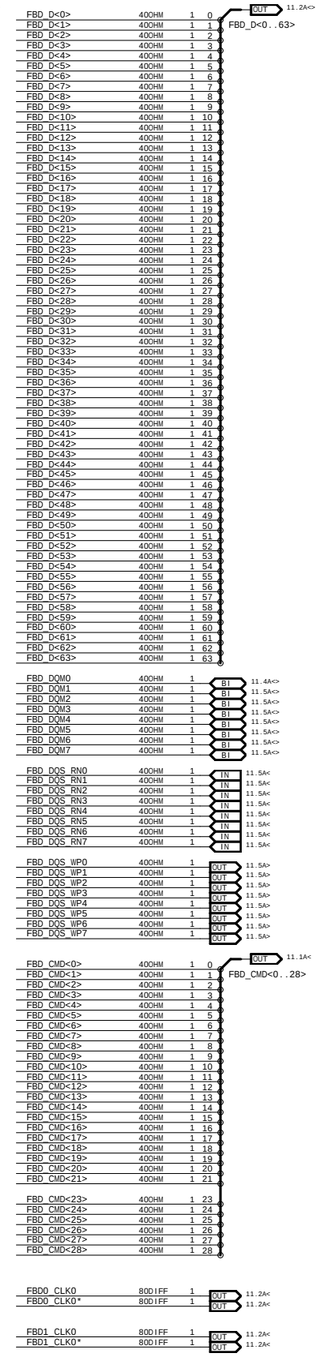
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	4 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer C,D: GPU Section







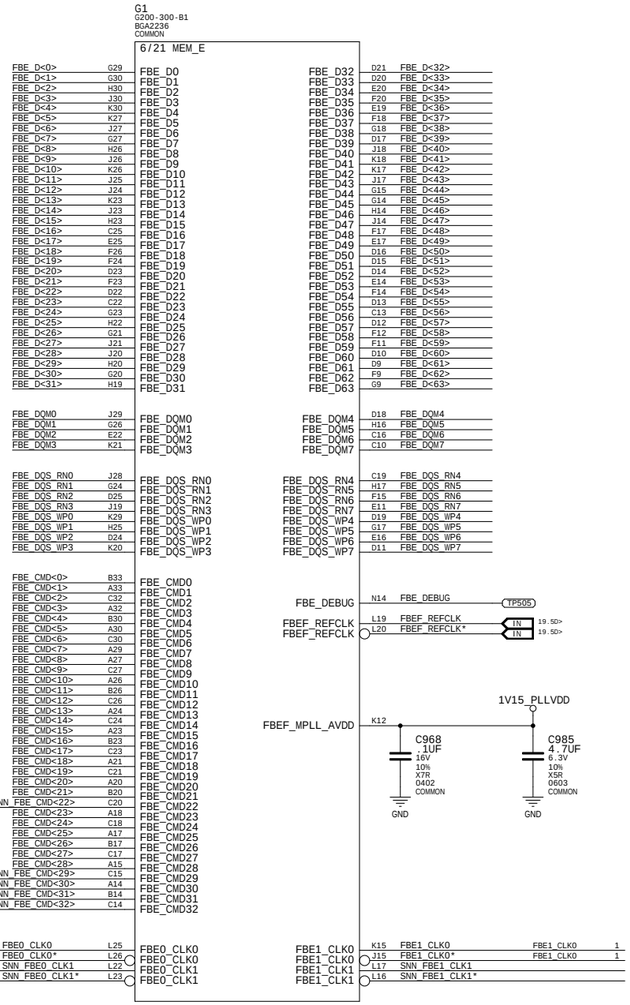


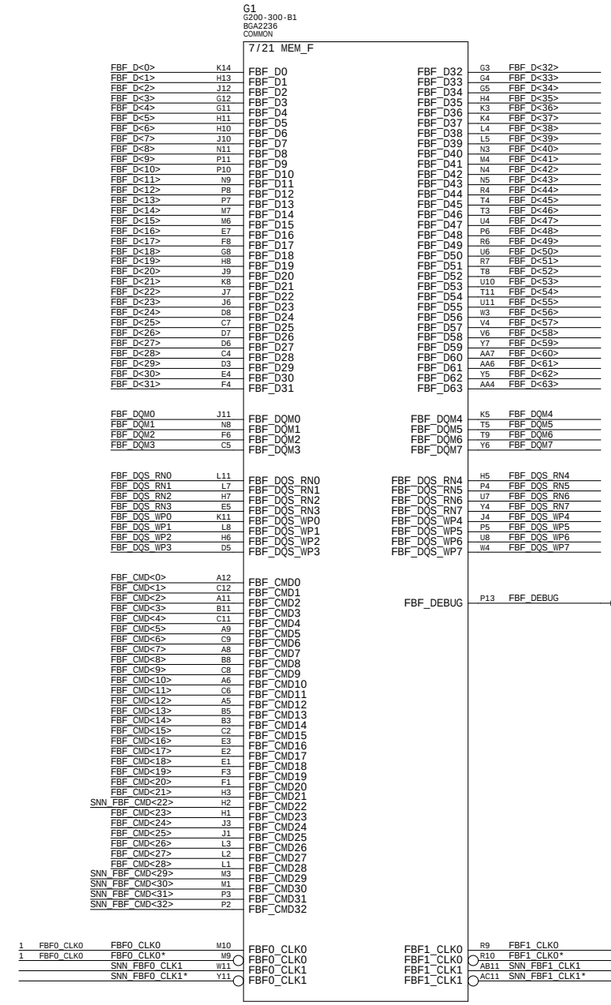
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer C,D: GPU Section

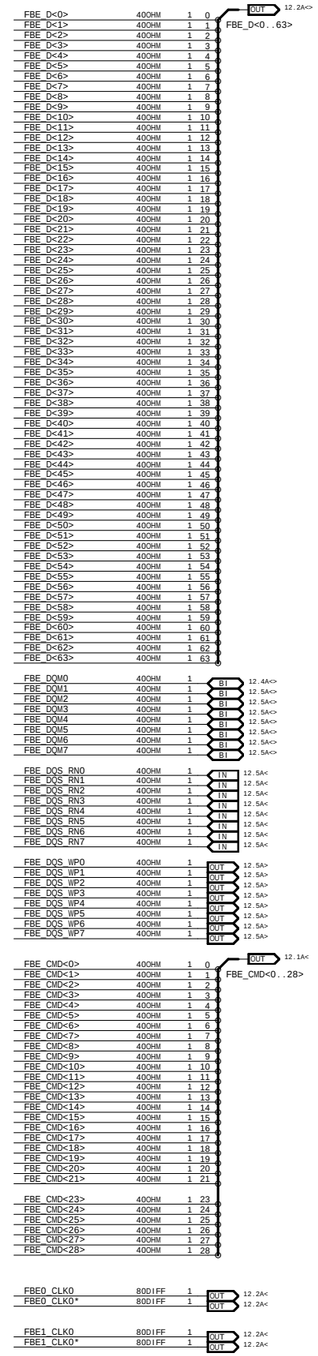
NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

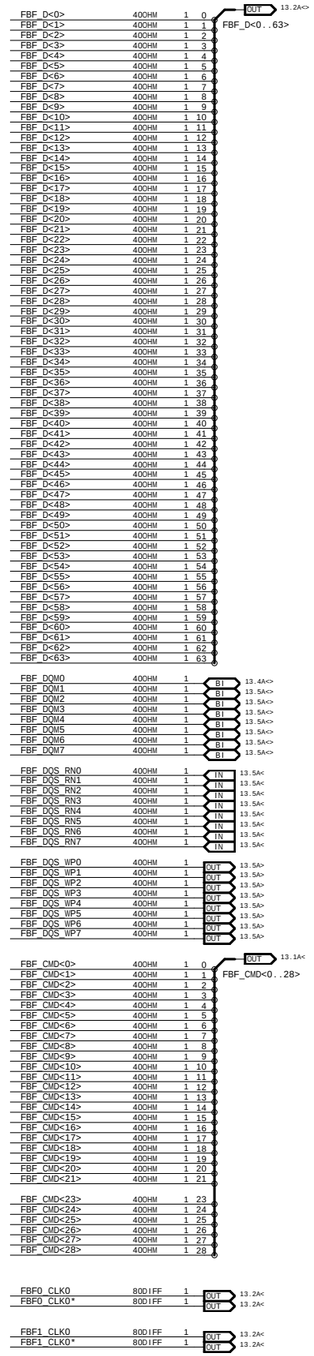
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	5 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer E,F: GPU Section







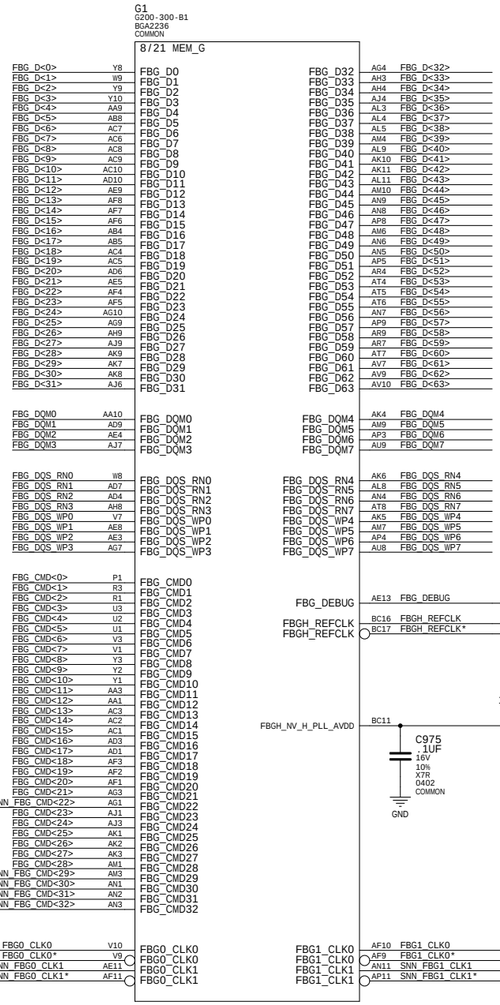


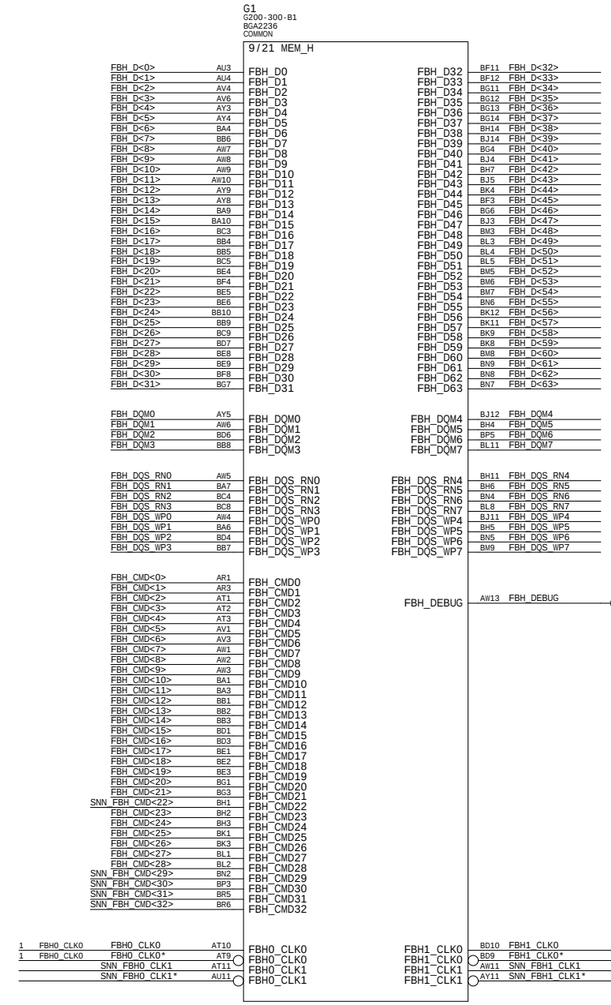
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer E,F: GPU Section

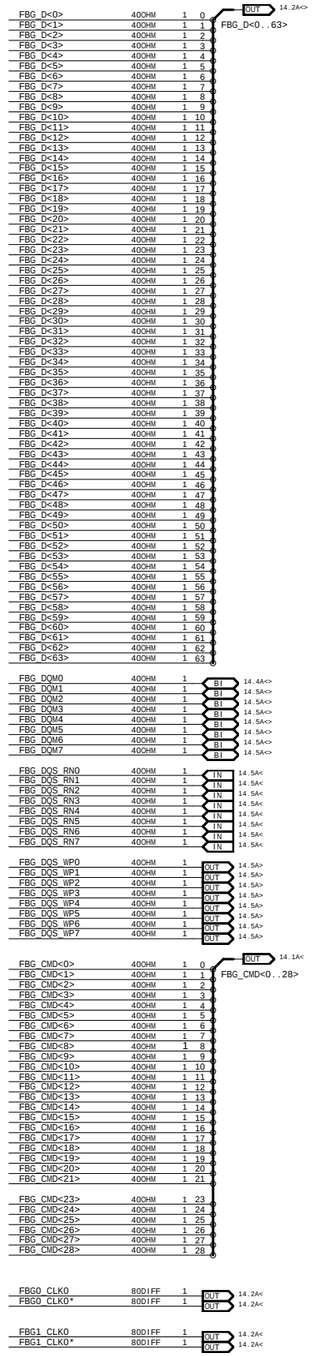
NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

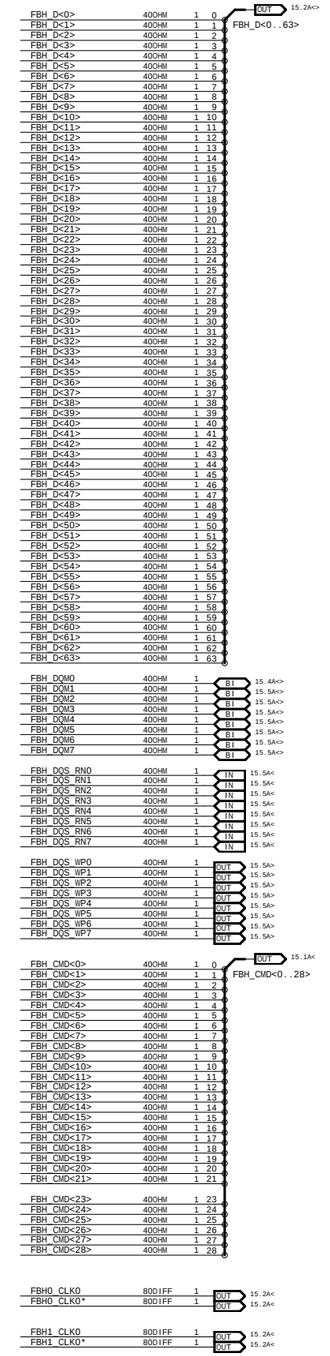
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	6 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer G,H: GPU Section







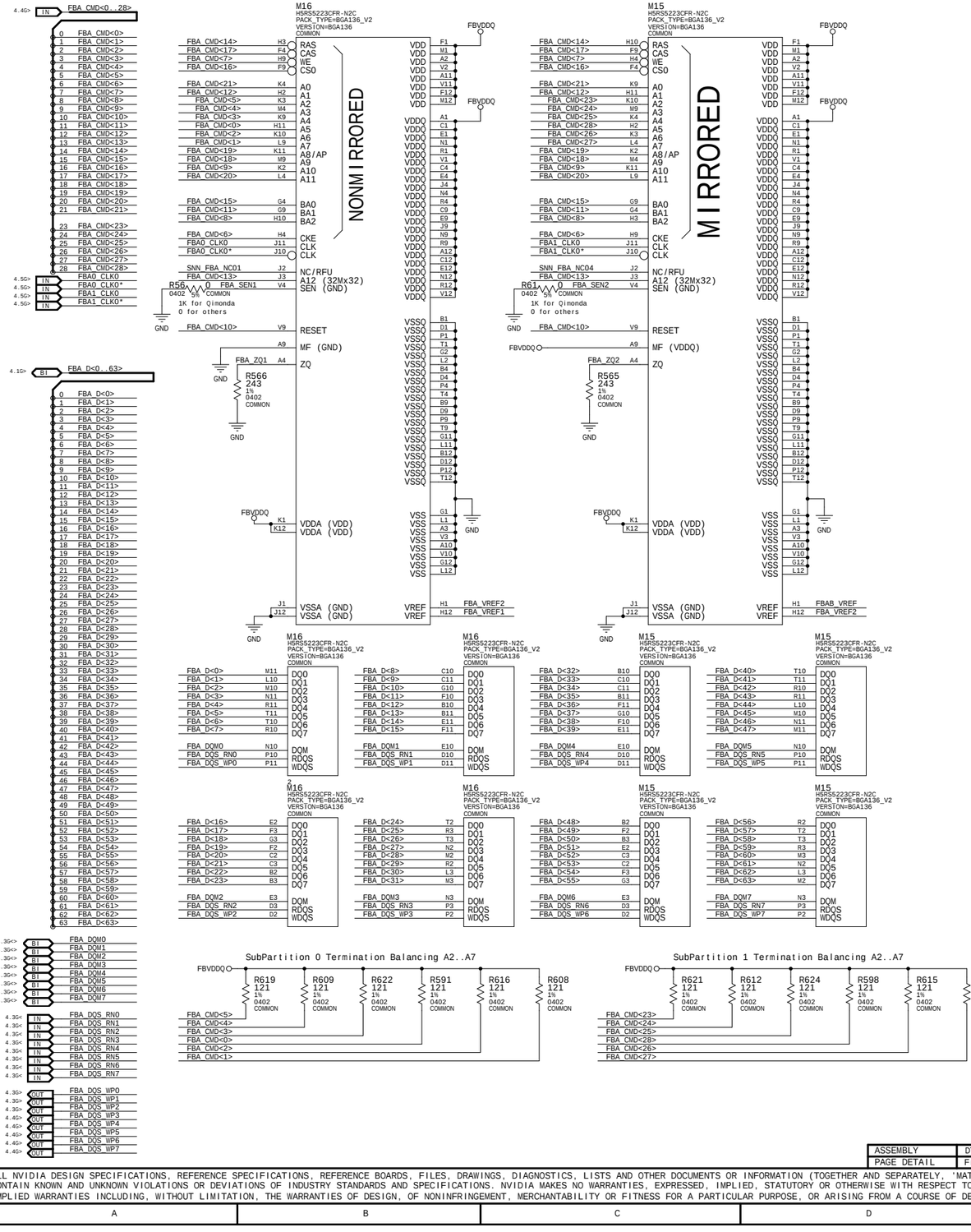


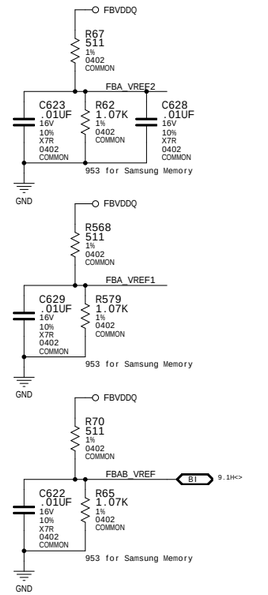
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer G,H: GPU Section

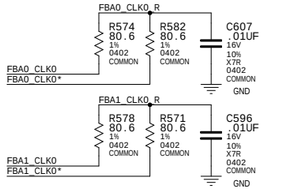
NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

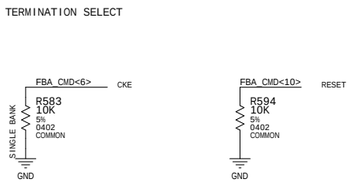
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	7 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer A: Memory Section







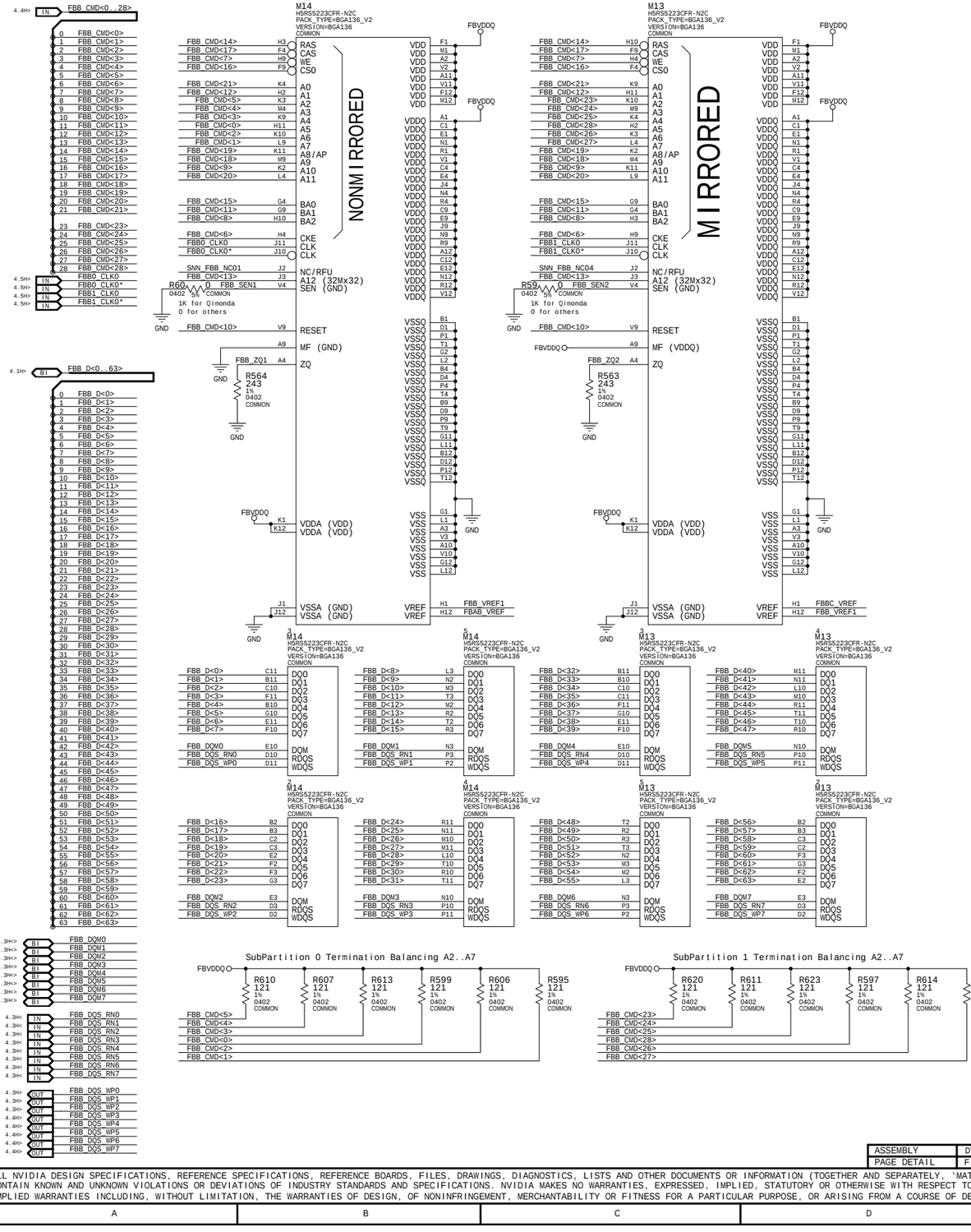


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer A: Memory Section

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	8 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer B: Memory Section

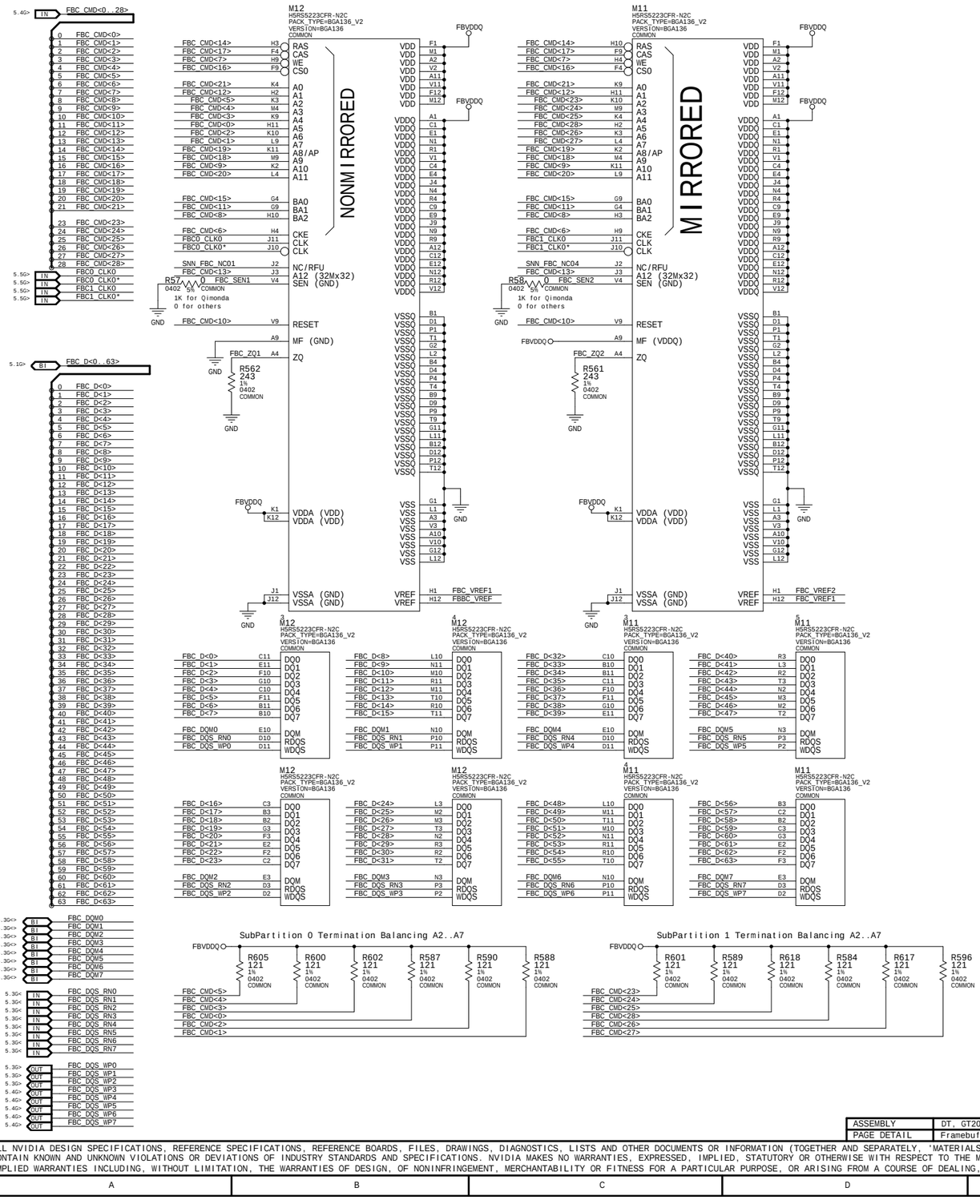


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer B: Memory Section

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	9 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer C: Memory Section

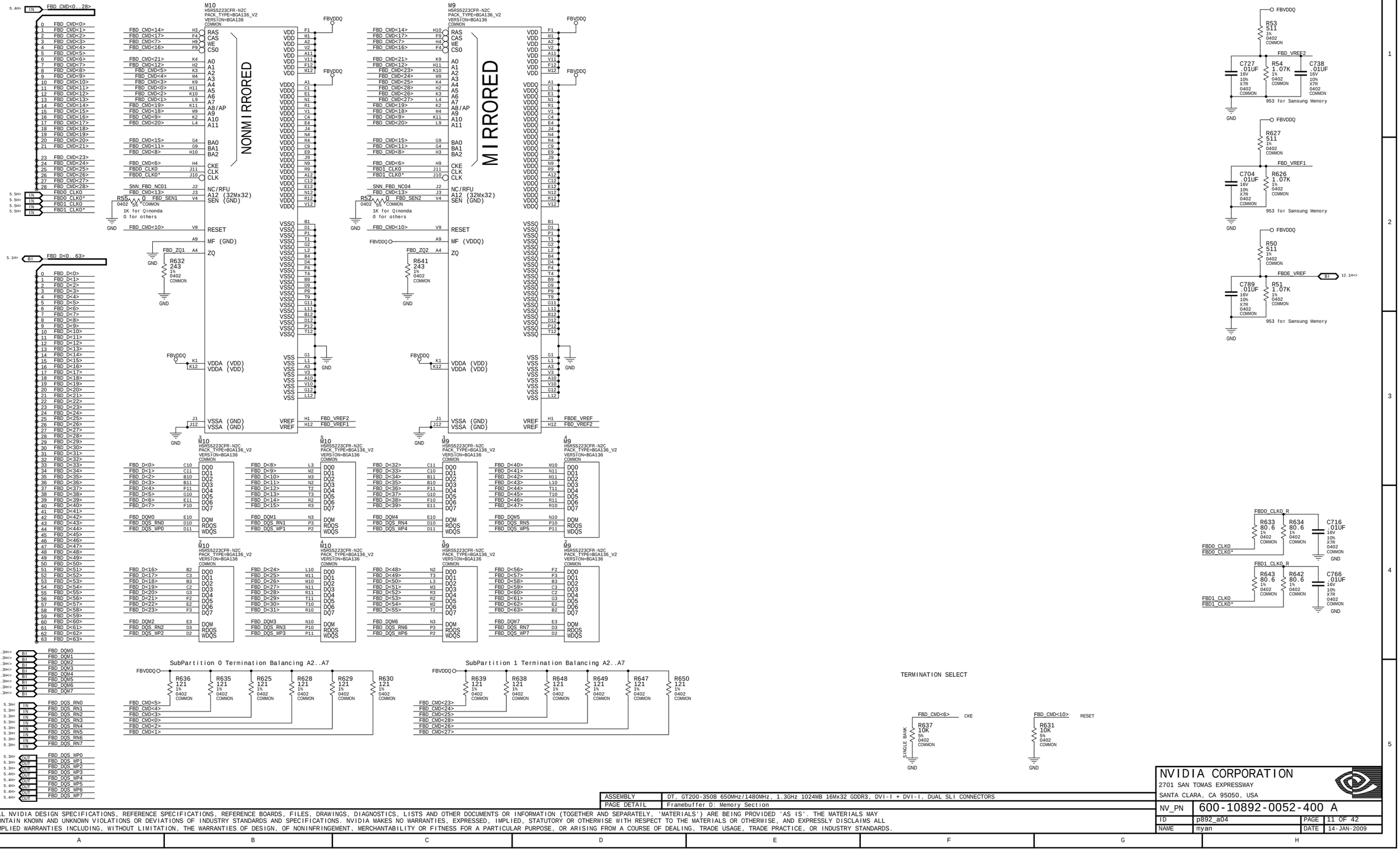


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer C: Memory Section

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	10 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer D: Memory Section

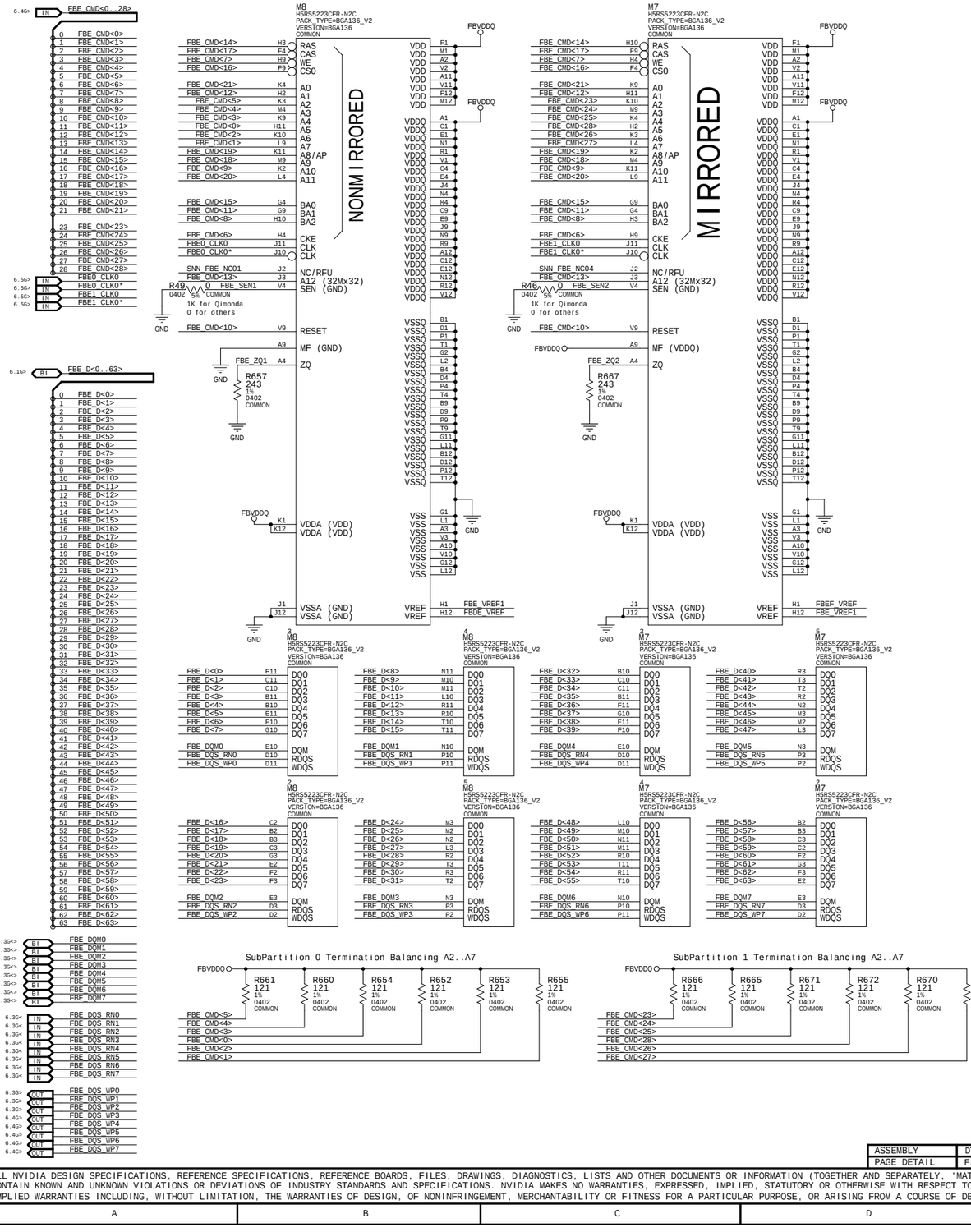


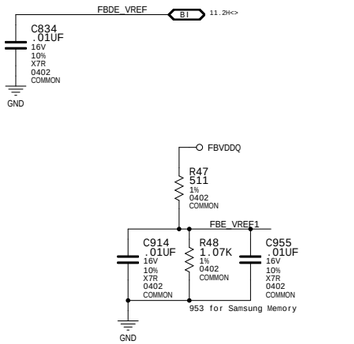
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer D: Memory Section

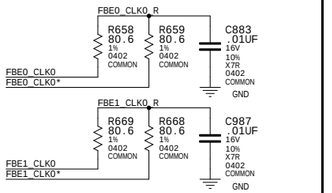
NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	11 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer E: Memory Section







ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer E: Memory Section

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
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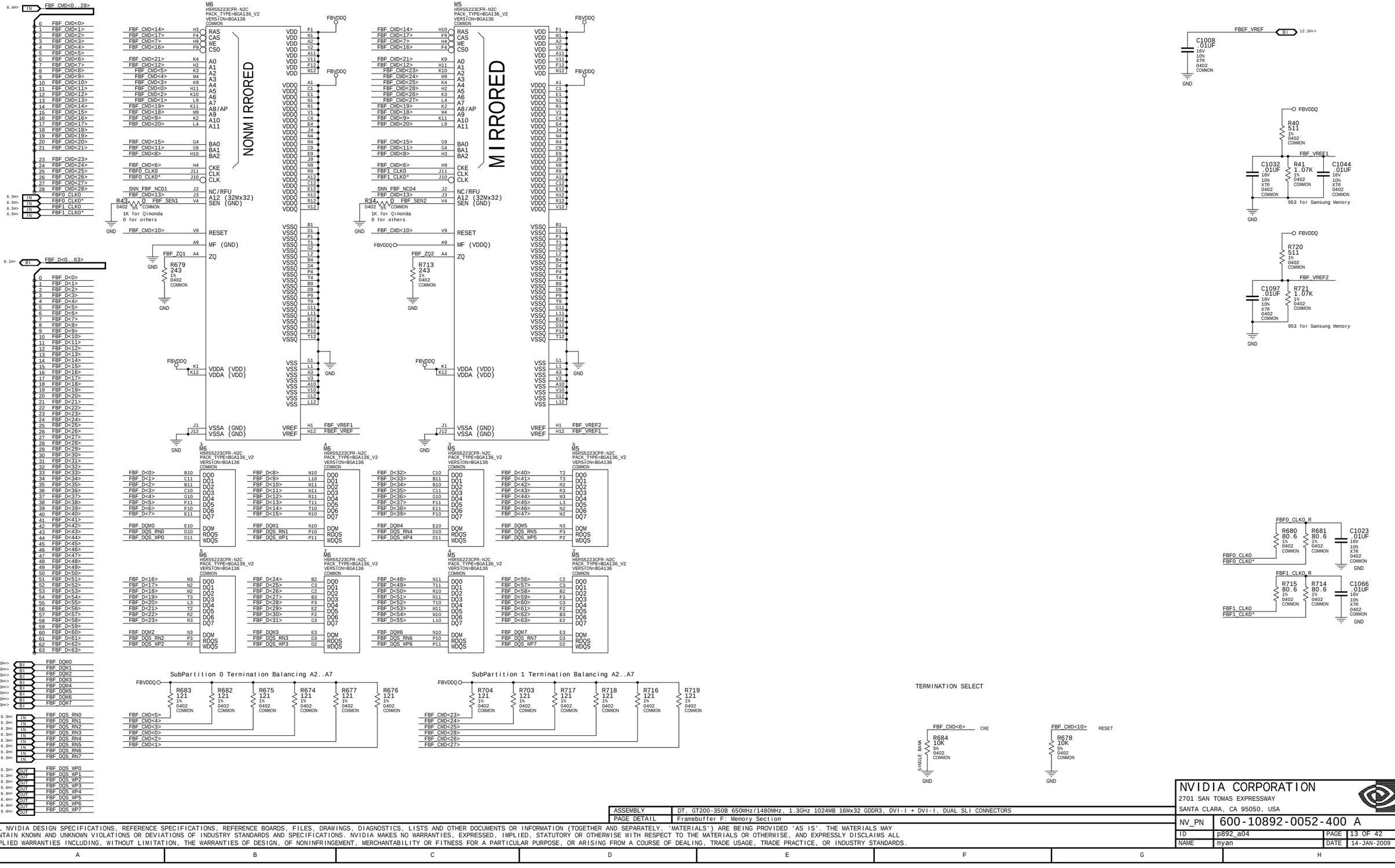
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	12 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer F: Memory Section

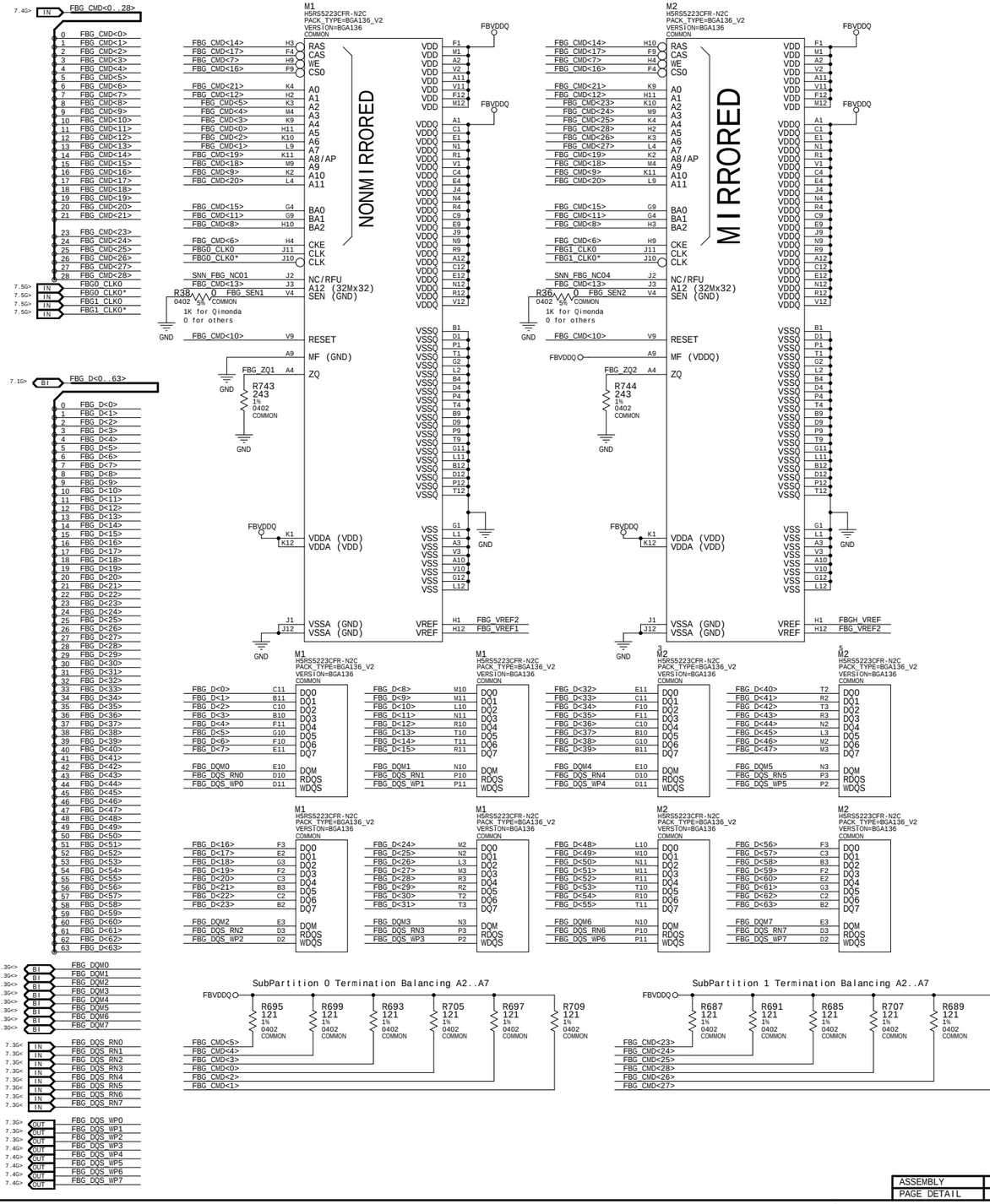


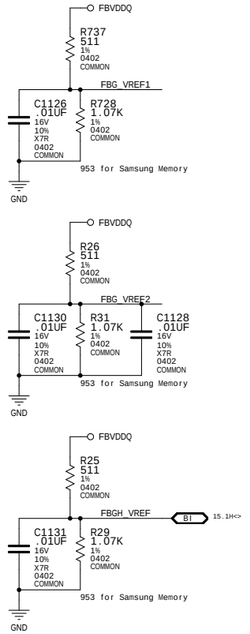
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer F: Memory Section

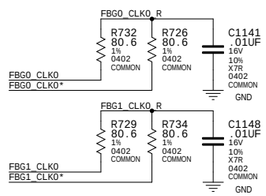
NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	13 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer G: Memory Section







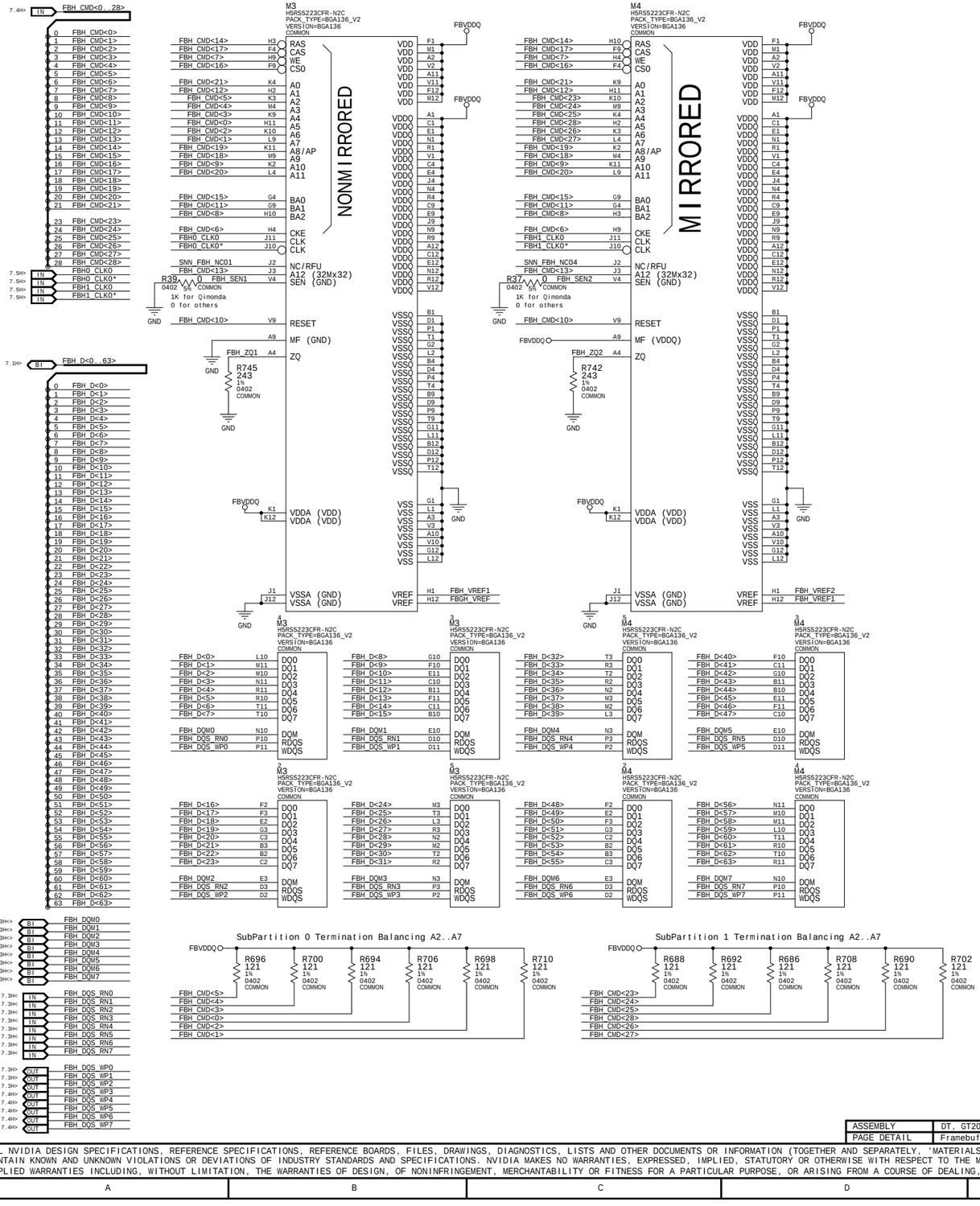
TERMINATION SELECT

ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer G: Memory Section

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	14 OF 42
NAME	myan	DATE	14-JAN-2009

Framebuffer H: Memory Section



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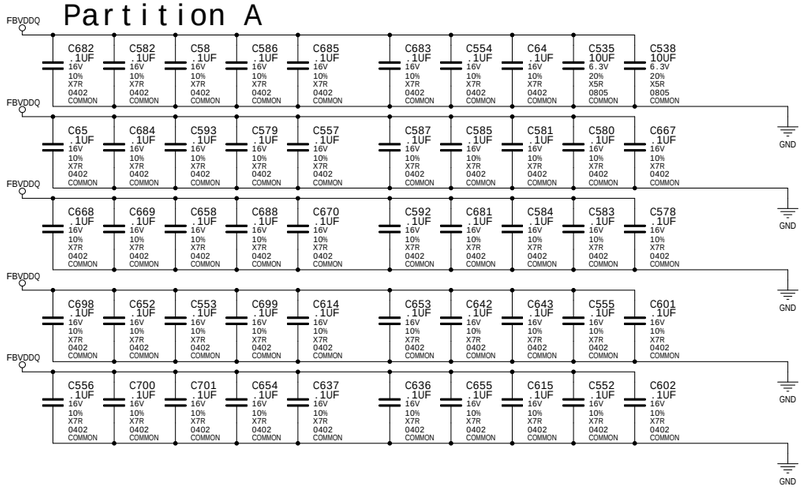
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Framebuffer H: Memory Section

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

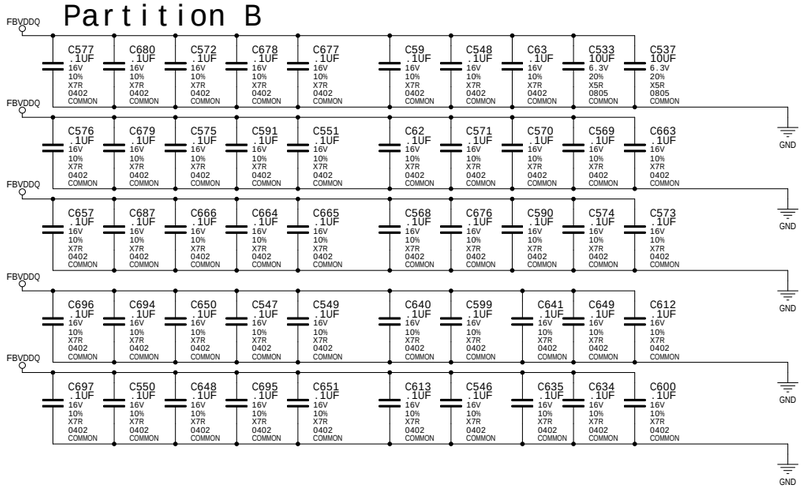
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	15 OF 42
NAME	myan	DATE	14-JAN-2009

Decoupling: Memory Section A-D

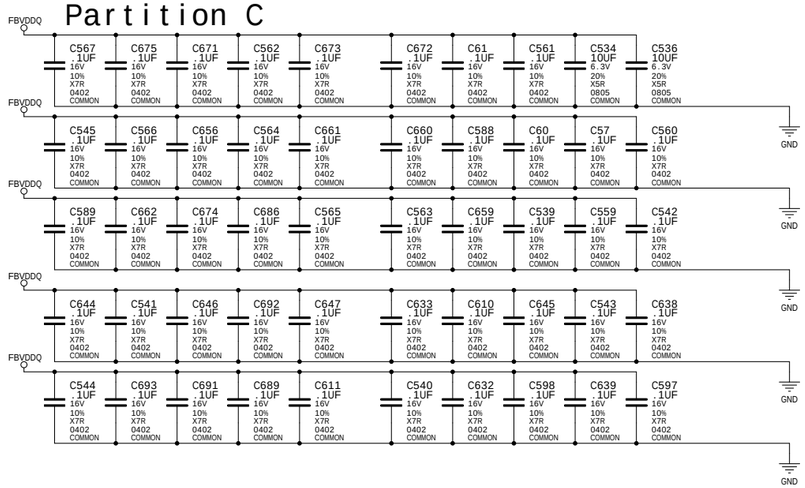
Partition A



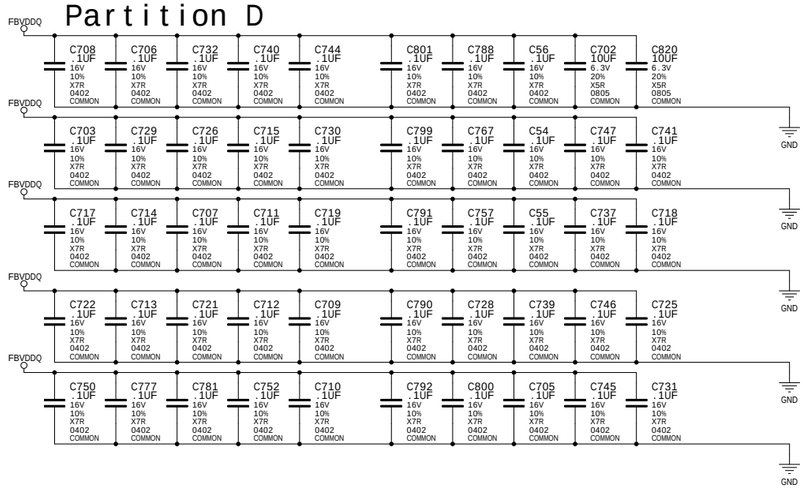
Partition B



Partition C



Partition D



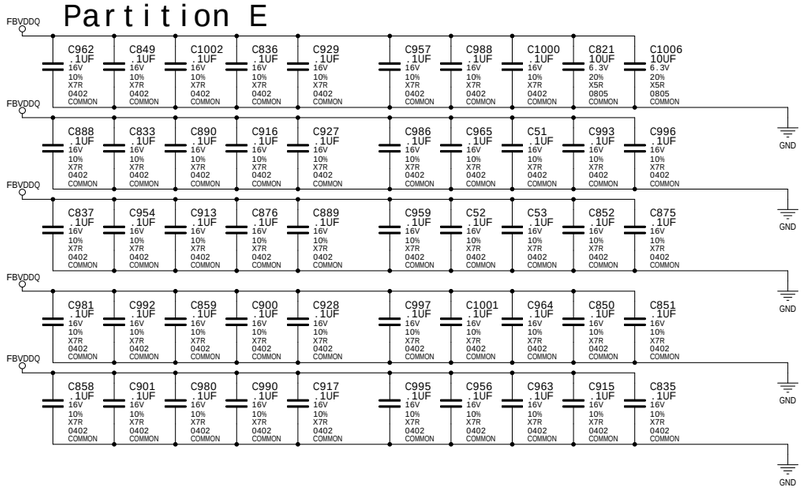
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Decoupling: Memory Section A-D

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

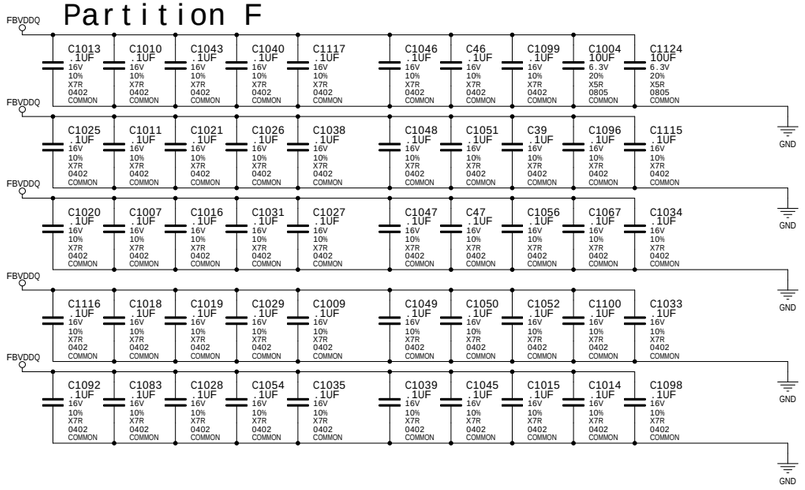
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	16 OF 42
NAME	myan	DATE	14-JAN-2009

Decoupling: Memory Section E-H

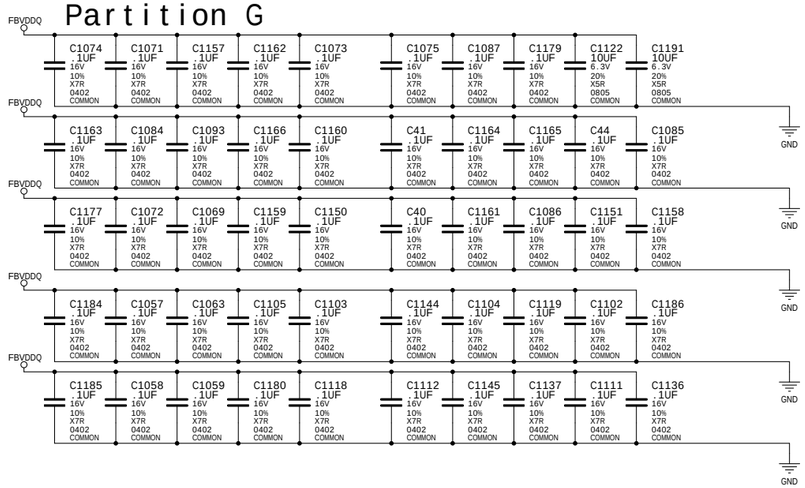
Partition E



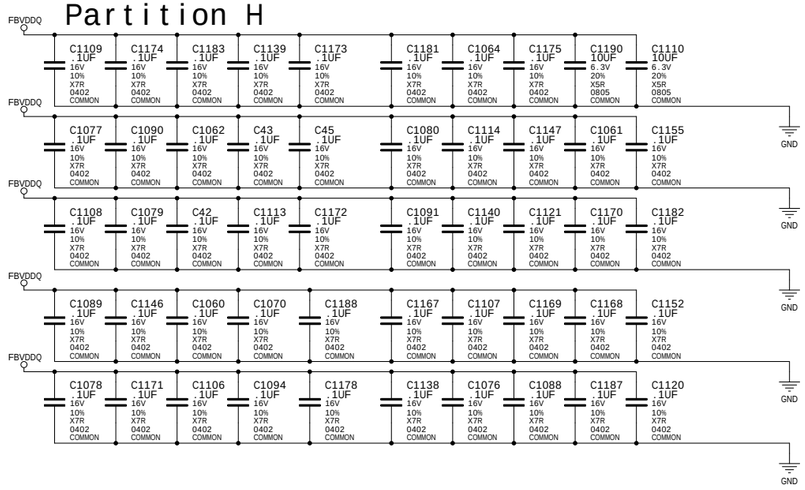
Partition F



Partition G



Partition H



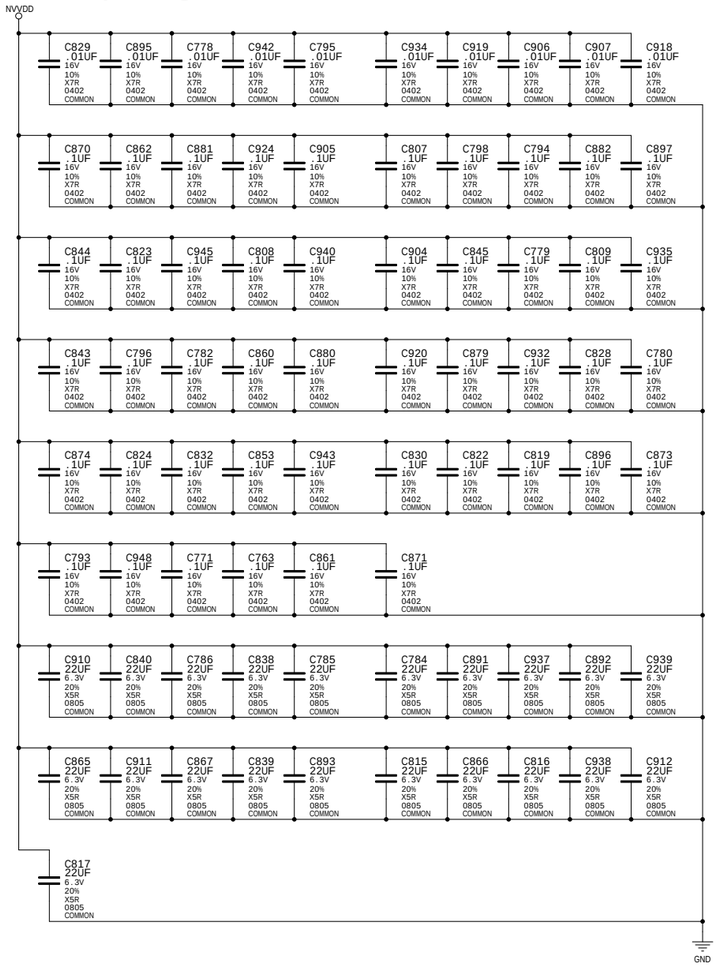
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Decoupling: Memory Section E-G

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

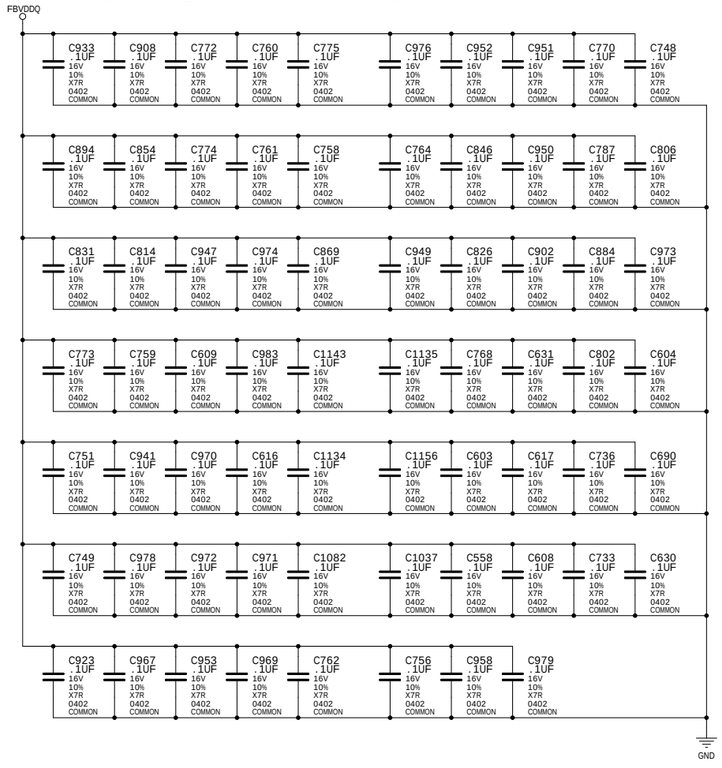
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	17 OF 42
NAME	myan	DATE	14-JAN-2009

Decoupling: GPU (NVVDD, FBVDDQ)

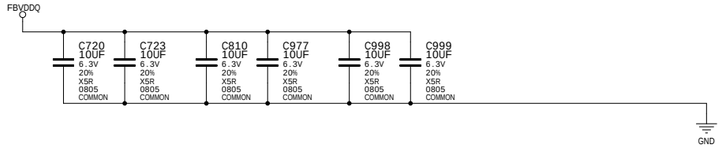
Decoupling for NVVDD under GPU



Decoupling for FBVDDQ under GPU



Decoupling for FBVDDQ near GPU

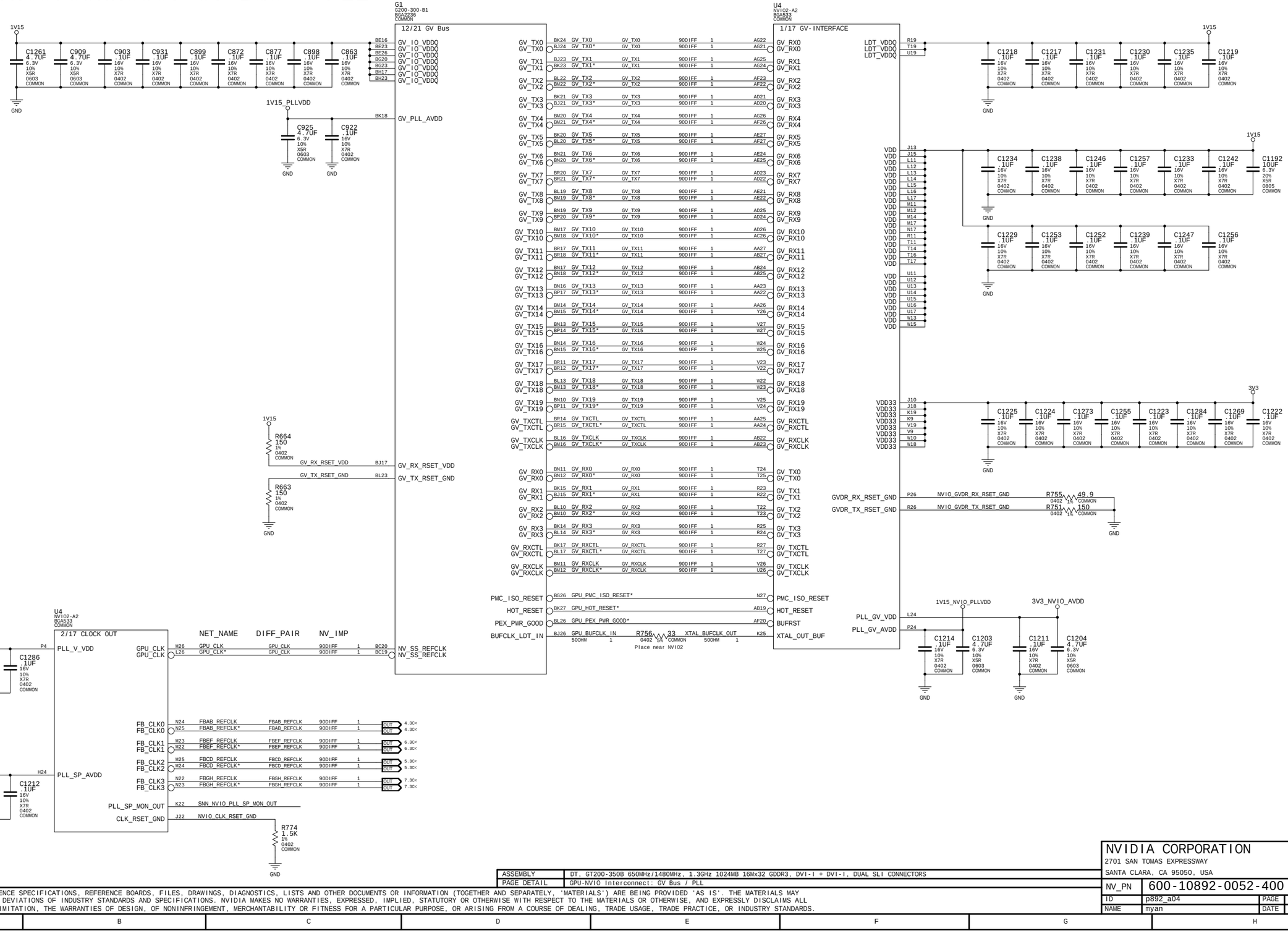


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Decoupling: GPU (NVVDD, FBVDDQ)

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	18 OF 42
NAME	myan	DATE	14-JAN-2009

GPU-NVIO Interconnect: GV Bus / PLL

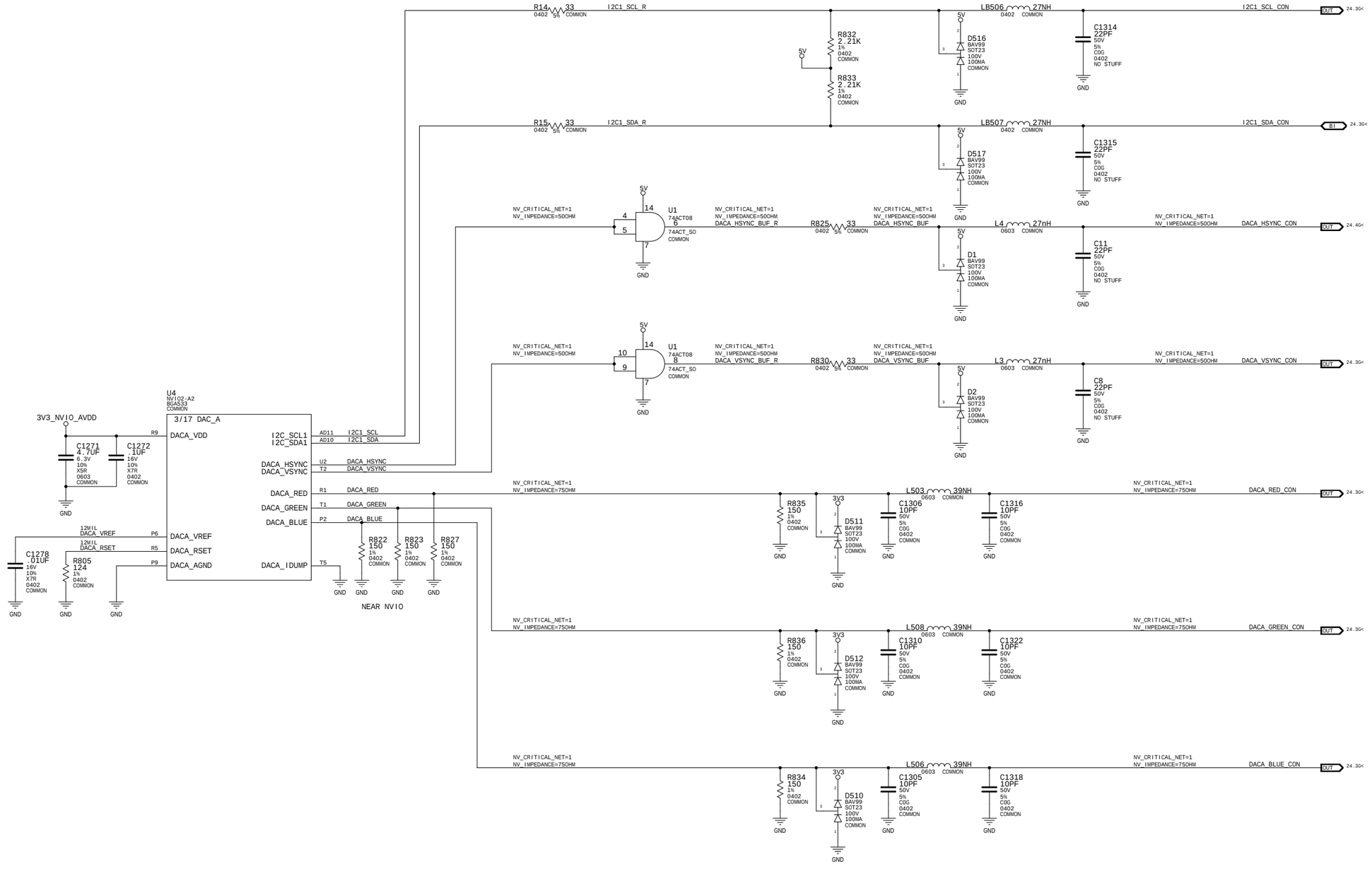


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	GPU-NVIO Interconnect: GV Bus / PLL

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	19 OF 42
NAME	myan	DATE	14-JAN-2009

Display: DACA (Middle DVI-I)

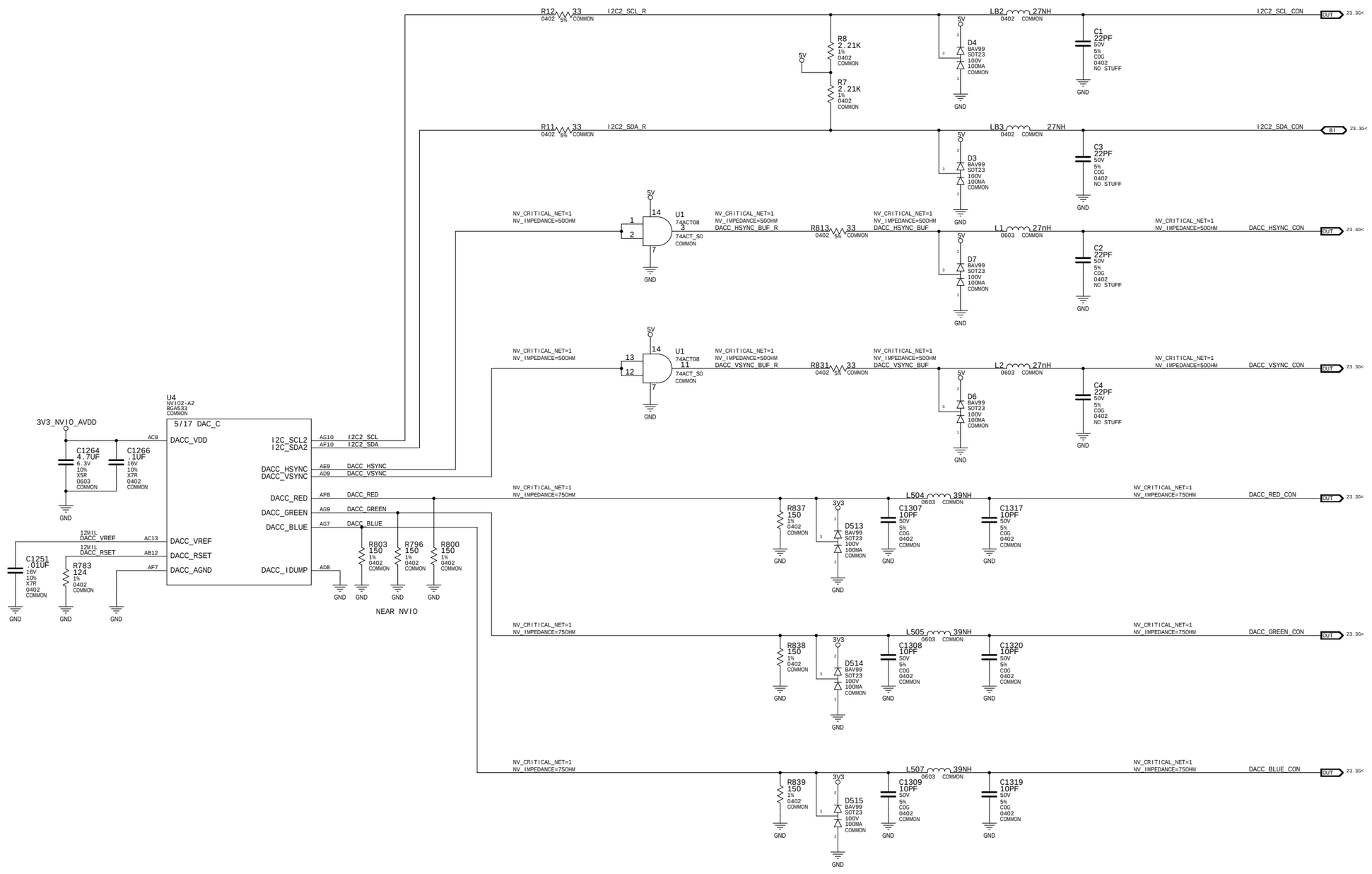


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Display: DACA (Middle DVI-I)

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	20 OF 42
NAME	myan	DATE	14-JAN-2009

Display: DACC (South DVI-I)

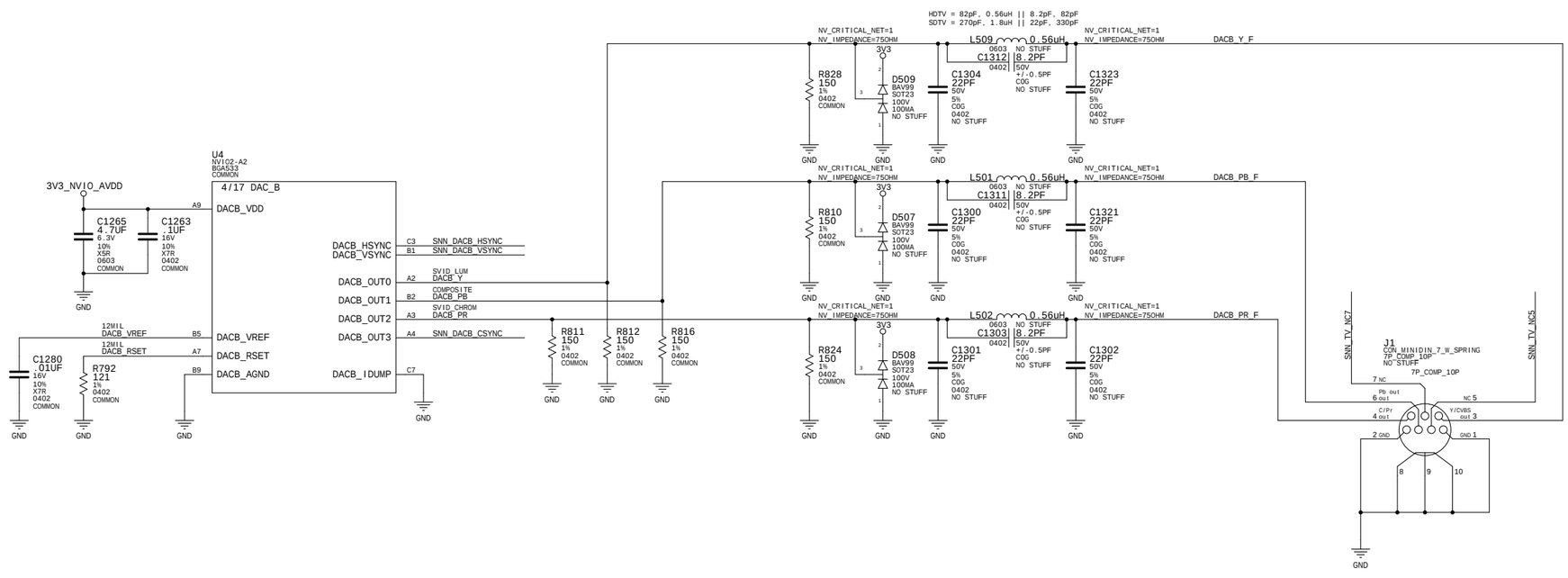


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Display: DACC (South DVI-I)

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	21 OF 42
NAME	myan	DATE	14-JAN-2009

Display: DACB (North MiniDIN) SD/HDTV out

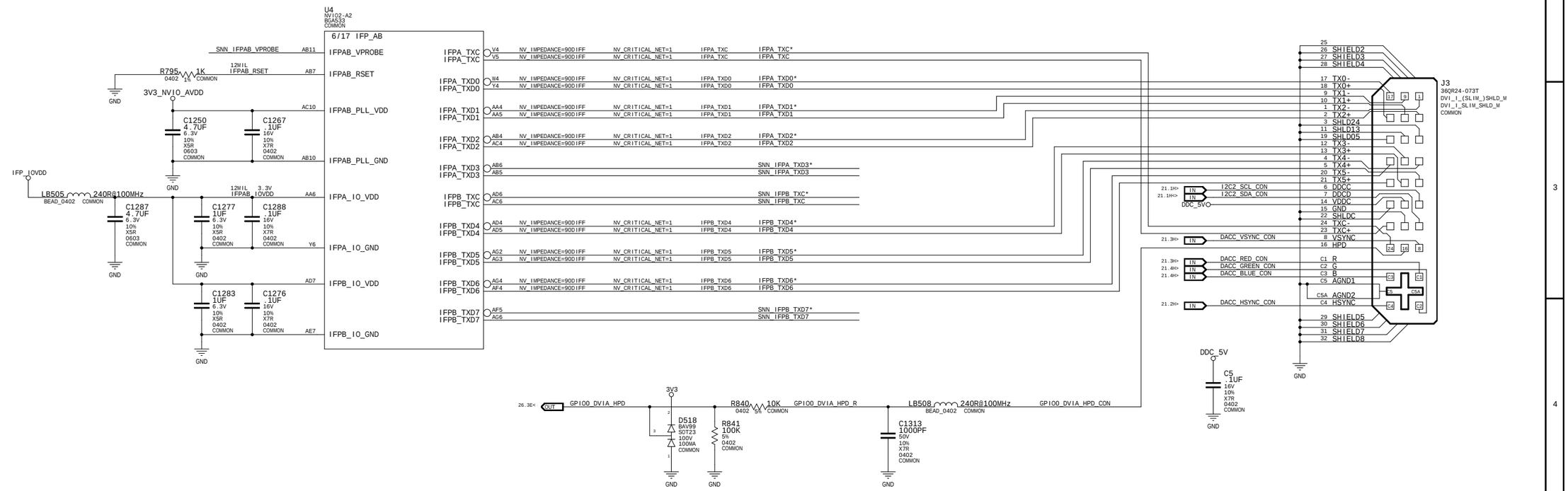


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Display: DACB (North MiniDIN) SD/HDTV out

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	22 OF 42
NAME	myan	DATE	14-JAN-2009

Display: IFPAB for South DVI-I (with DACC)

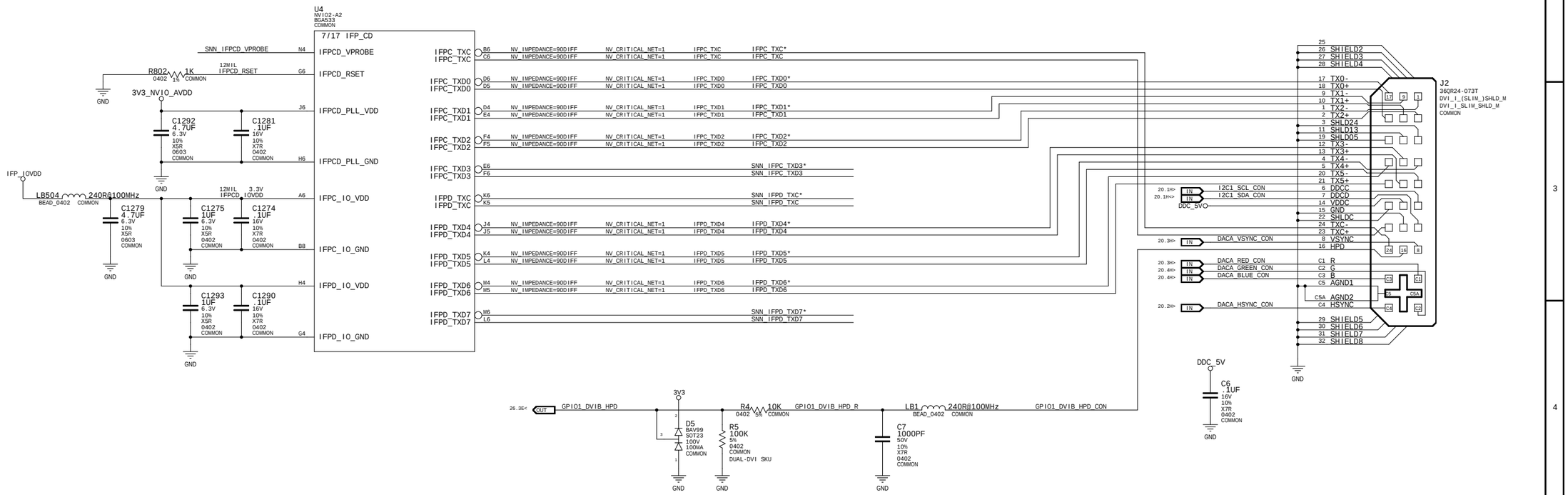


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Display: IFPAB for south DVI-I (with DACC)

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	23 OF 42
NAME	myan	DATE	14-JAN-2009

Display: IFPCD for middle DVI-I (with DACA)

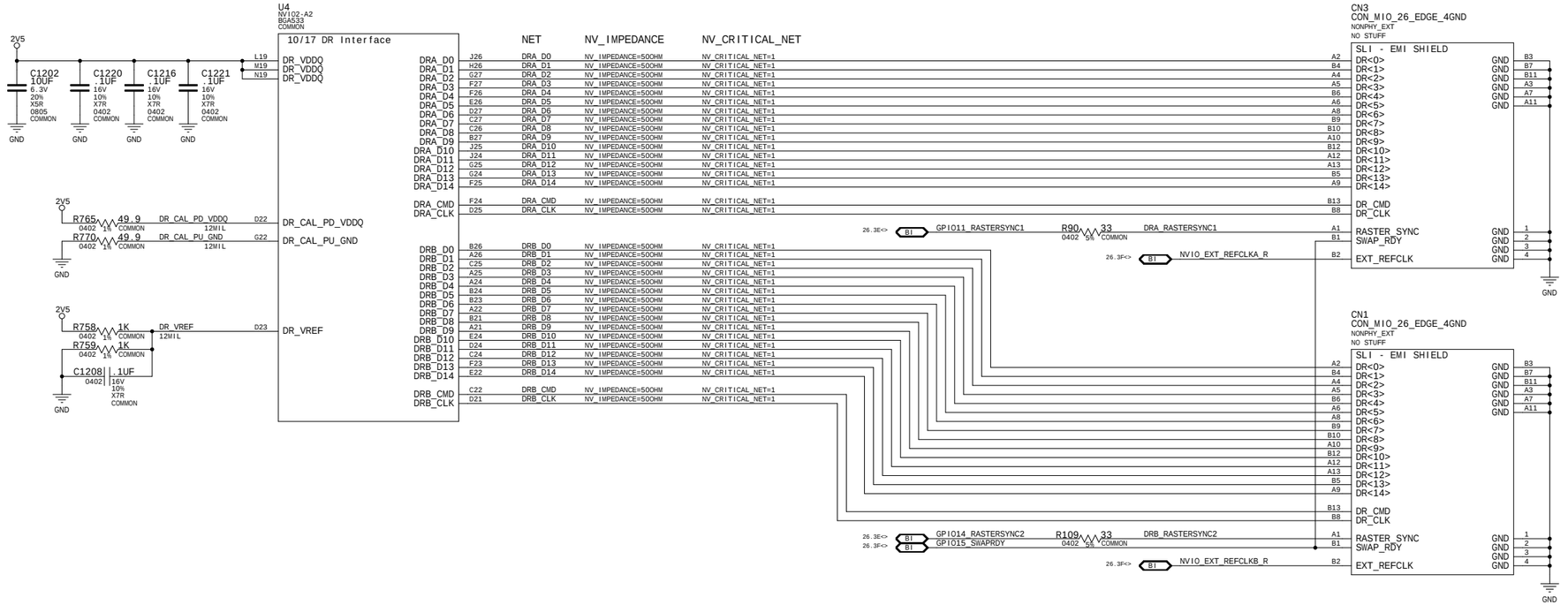


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Display: IFPCD for middle DVI-I (with DACA)

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	24 OF 42
NAME	myan	DATE	14-JAN-2009

Connectors: DR Interface (Dual SLI)

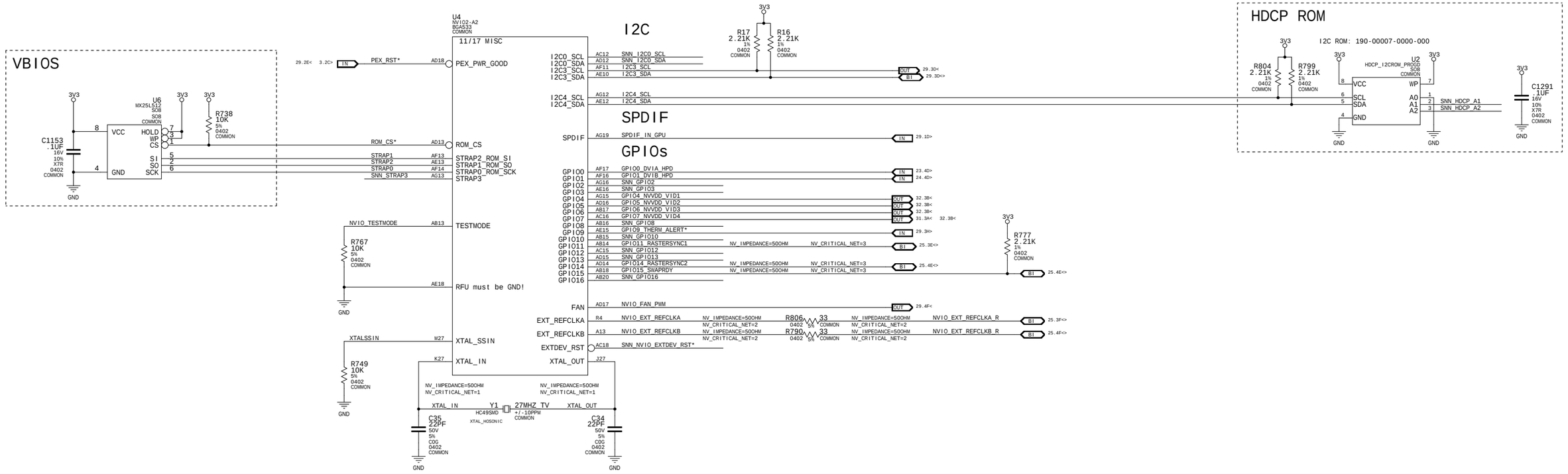


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Connectors: DR Interface (Dual SLI)

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	25 OF 42
NAME	myan	DATE	14-JAN-2009

MISC: GPIO / XTAL / VBIOS / HDCP / I2C / GPU SPDIF

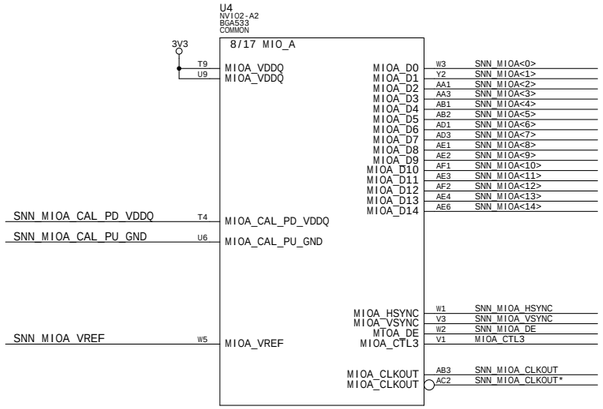


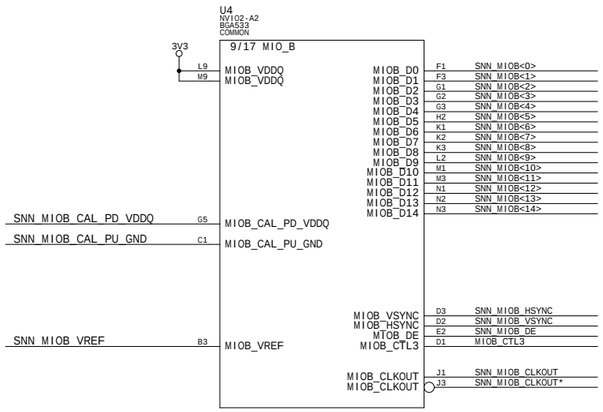
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	MISC: GPIO / XTAL / VBIOS / HDCP / I2C / GPU SPDIF

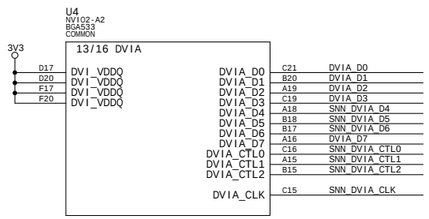
NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

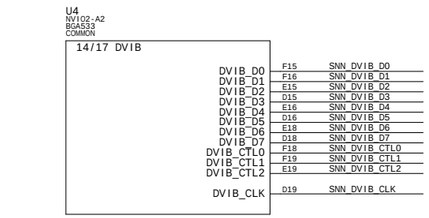
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	26 OF 42
NAME	myan	DATE	14-JAN-2009

MISC: MIO / DVI / STRAPS

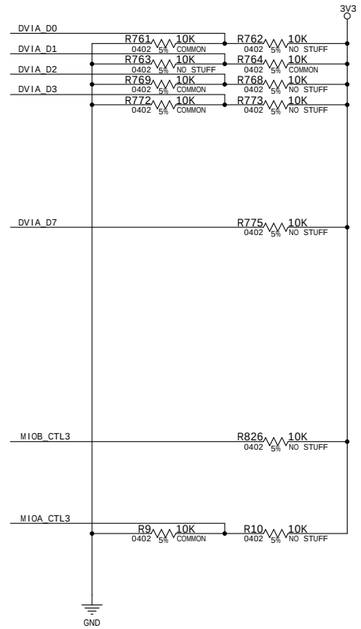








STRAPS



STRAP BITS BOOT0 = 0x101000

NR_:	USAGE	COMMENT
00 :	GV_WIDTH	DEFAULT=0x0 (WIDE)
01 :	SUB_VENDOR	DEFAULT=0x1 (FROM BIOS)
02 :	RAM_CFG[0]	
03 :	RAM_CFG[1]	
04 :	RAM_CFG[2]	
05 :	RAM_CFG[3]	
06 :	CRYSTAL	DEFAULT=0x0 (27MHz)
07 :	TV_MODE[0]	DEFAULT=0x1 (NTSC_J)
08 :	TV_MODE[1]	
09 :	TV_MODE[2]	
10 :	PCI_DEVID[0]	SET BY BIOS
11 :	PCI_DEVID[1]	
12 :	PCI_DEVID[2]	
13 :	PCI_DEVID[3]	DEFAULT=0x0
14 :	FB_SIZE[0]	DEFAULT=0x2 (256MB)
15 :	FB_SIZE[1]	
16 :	FB_SIZE[2]	
17 :	PEX_PLL_EN_TERM100	DEFAULT=0x0 (ENABLED)
18 :	3GIO_PAD_CFG_LUT_ADR[0]	DEFAULT=0x3 (DESKTOP_DEFAULT)
19 :	3GIO_PAD_CFG_LUT_ADR[1]	
20 :	3GIO_PAD_CFG_LUT_ADR[2]	
21 :	3GIO_PAD_CFG_LUT_ADR[3]	
22 :	ROMTYPE[0]	DEFAULT=0x1 (AT25S)
23 :	ROMTYPE[1]	
24 :	USER[0]	SET BY BIOS
25 :	USER[1]	
26 :	USER[2]	
27 :	USER[3]	
28 :	PCI_DEVID_EXT	DEFAULT=0x0

STRAP BITS BOOT3 = 0x10100C

NR_:	USAGE	COMMENT
06 :	XCLK_555	DEFAULT=0x0
16 :	PCI_IOBAR	DEFAULT=0x1 0=DISABLE, 1=ENABLE

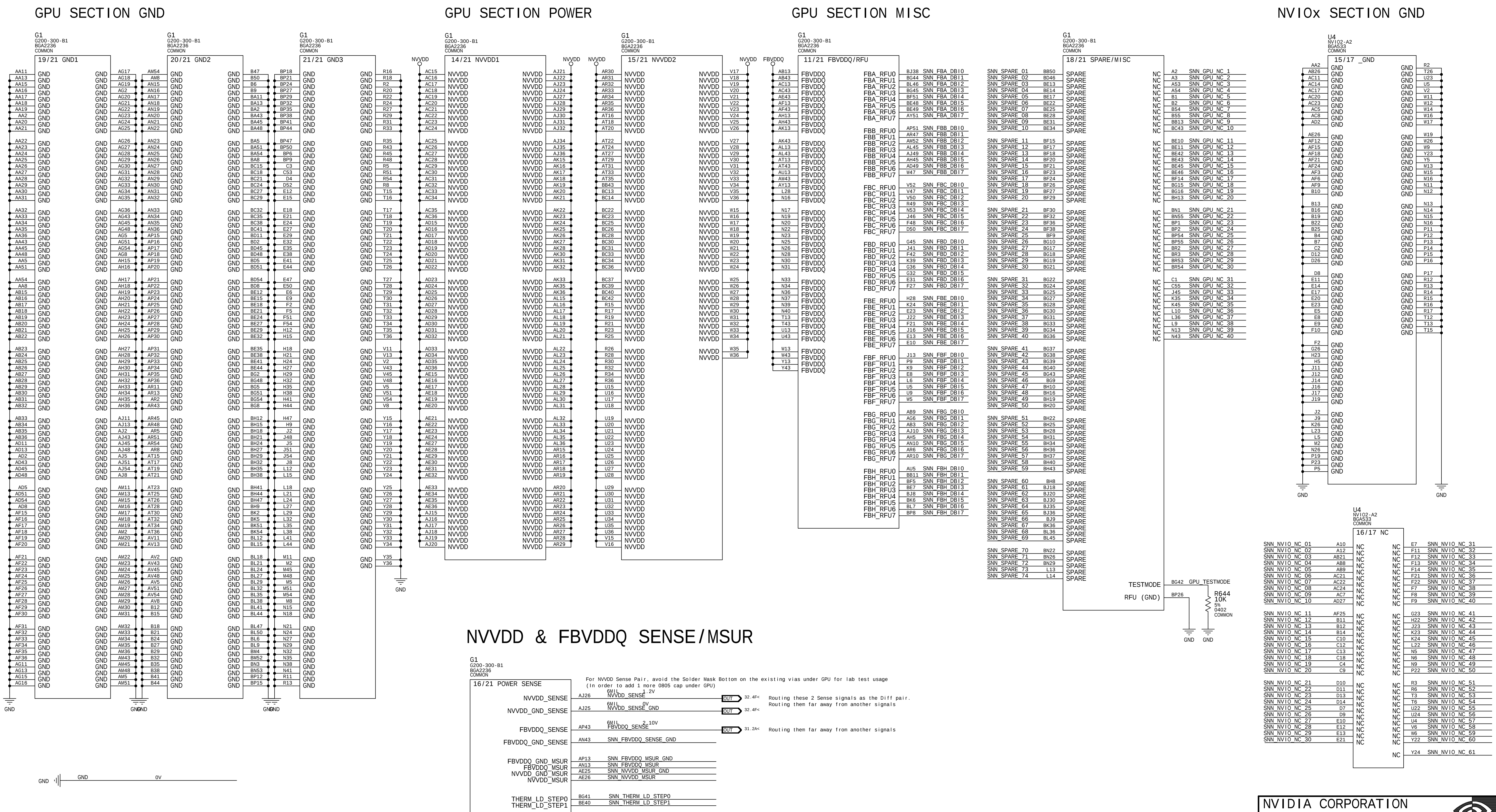
CFG	Config Width	Vendor
0000	Reserved	
0001	16Mx32 512-bit	Qimonda
0010	16Mx32 512-bit	Hynix*
0011	16Mx32 512-bit	Samsung*
0100	Reserved	
0101	32Mx32 512-bit	Qimonda
0110	32Mx32 512-bit	Hynix
0111	32Mx32 512-bit	Samsung
1000	Reserved	
1001	16Mx32 448-bit	Qimonda
1010	16Mx32 448-bit	Hynix
1011	16Mx32 448-bit	Samsung
1100	Reserved	
1101	32Mx32 448-bit	Qimonda
1110	32Mx32 448-bit	Hynix
1111	32Mx32 448-bit	Samsung

ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	MISC: MIO / DVI / STRAPS

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	27 OF 42
NAME	myan	DATE	14-JAN-2009

Power and GND (GPU and NVIOx)



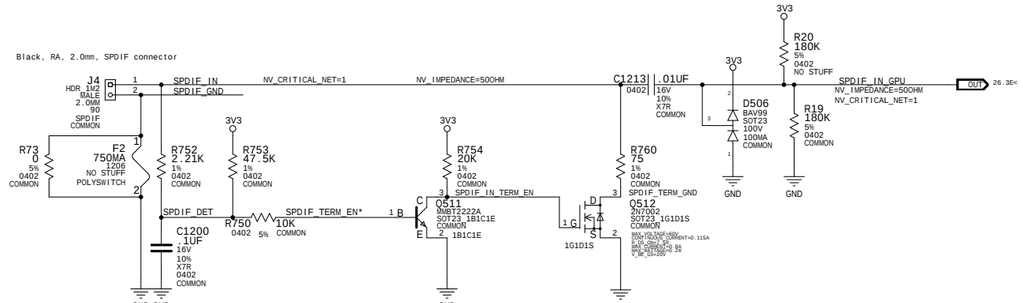
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Power and GND (GPU and NVIOx)

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

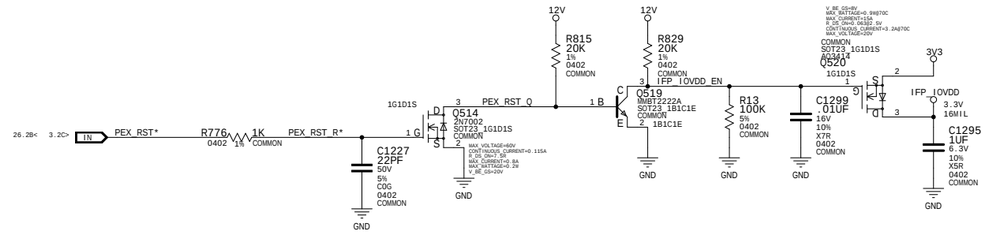
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	28 OF 42
NAME	myan	DATE	14-JAN-2009

MISC: SPDIF IN / AVDD FILTER / DDC_5V / IFP_IOVDD / FAN DELAY / FAN / THERM

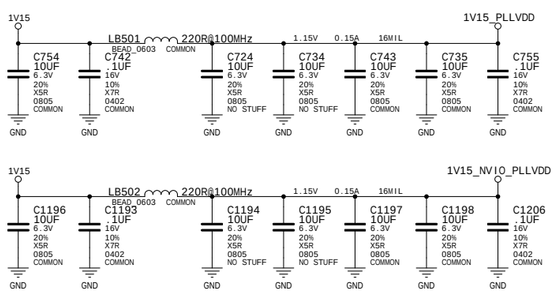
SPDIF INPUT / Level Detection



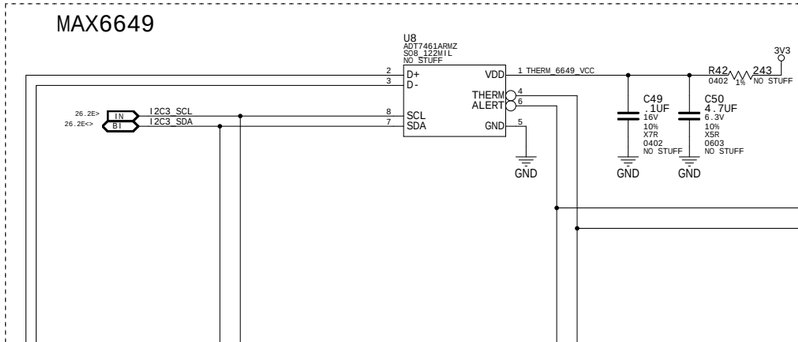
IFP_IOVDD (backdrive prevention)



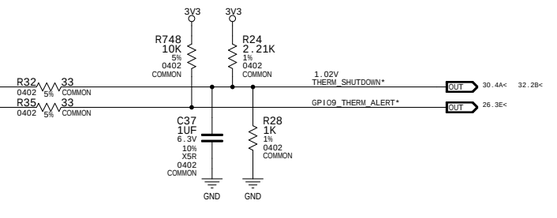
1V15 ANALOG VDD FILTER



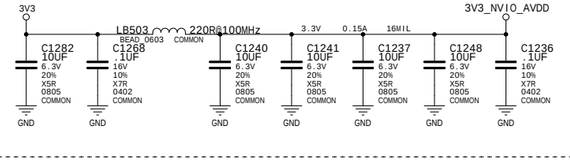
MAX6649



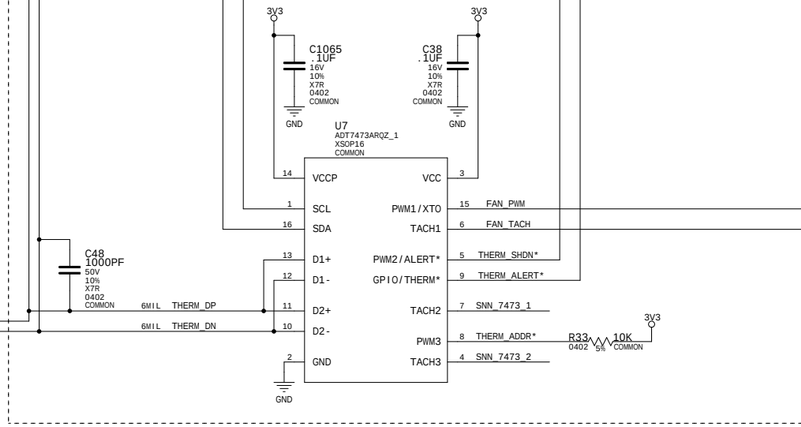
THERMAL ALERT AND THERMAL SHUTDOWN



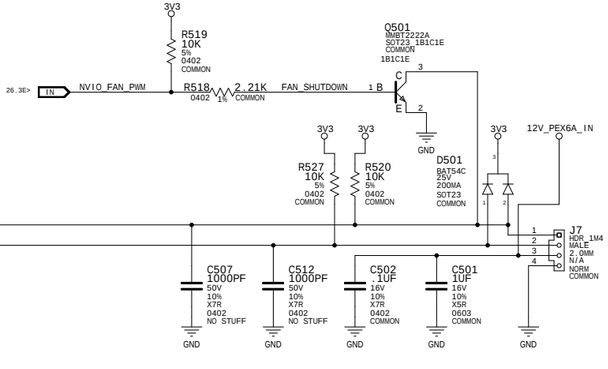
3V3 ANALOG VDD FILTER



ADT7473



FAN Connector



*NOTE: FAN WILL SPIN IF 12V_PEX6A CONNECTOR HAS 12V POWER, WHEN SYSTEM SHUTDOWN (NO SYSTEM 12V AND 3.3V).

TSENSE_AVDD should sourced by a filter FBVDDQ if Internal Thermal Sensor Used.

tsense_1v5_sel =0: TS_AVDD = 1.7v ~ 2.1v (default) (wired to gnd)
tsense_1v5_sel =1: TS_AVDD = 1.45v ~ 1.7v (wired to NVDD)

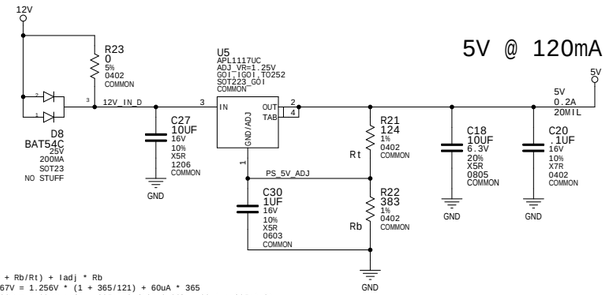
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Power Supply: SPDIF IN / AVDD FILTER / DDC_5V / IFP_IOVDD / FAN DELAY / FAN / THERM

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	29 OF 42
NAME	myan	DATE	14-JAN-2009

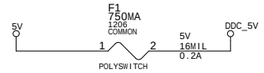
Power Supply: 5V / 2V5 / 1V15 / PWM_5V

System 5V

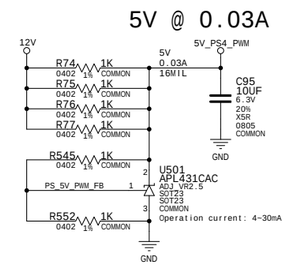


Vo = Vref * (1 + Rb/Rt) + Iadj * Rb
Typical: 5.06667V = 1.256V * (1 + 365/121) + 60uA * 365
Max : 5.29836V = 1.294V * (1 + 365*1.01/121*0.99) + 60uA * 365*1.01
Min : 4.89249V = 1.231V * (1 + 365*0.99/121*1.01) + 60uA * 365*0.99
Iout_Min=10mA
Vref=1.25V
Vo_Typ=1.25*(1+365/121)+365*0.00005=5.039V
Vo_Min=1.2375*(1+(365*99%)/(121*101%))=xxV
Vo_Max=1.2625*(1+(365*101%)/(121*99%))=xxV

DDC_5V

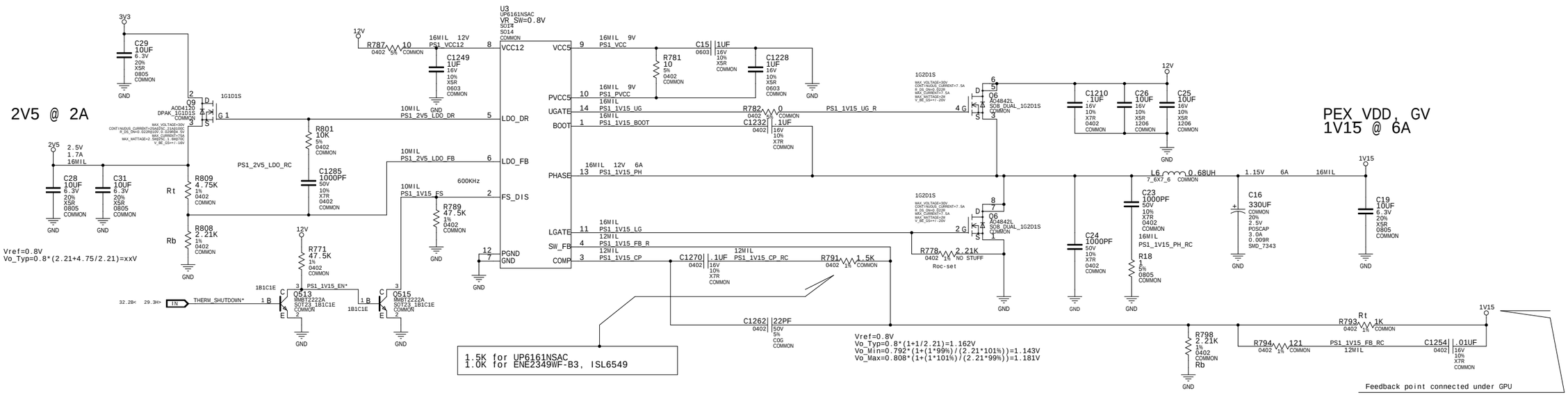


NVVDD PWM 5V



1V15 (PEX_VDD AND GV_VDD/Q) and 2V5

Input ripple Irms ~2.2A for 1.2V@6A
Stuff with 4x 10uF, X5R,1206, 16V RIPPLE ~ 2A@300..600kHZ

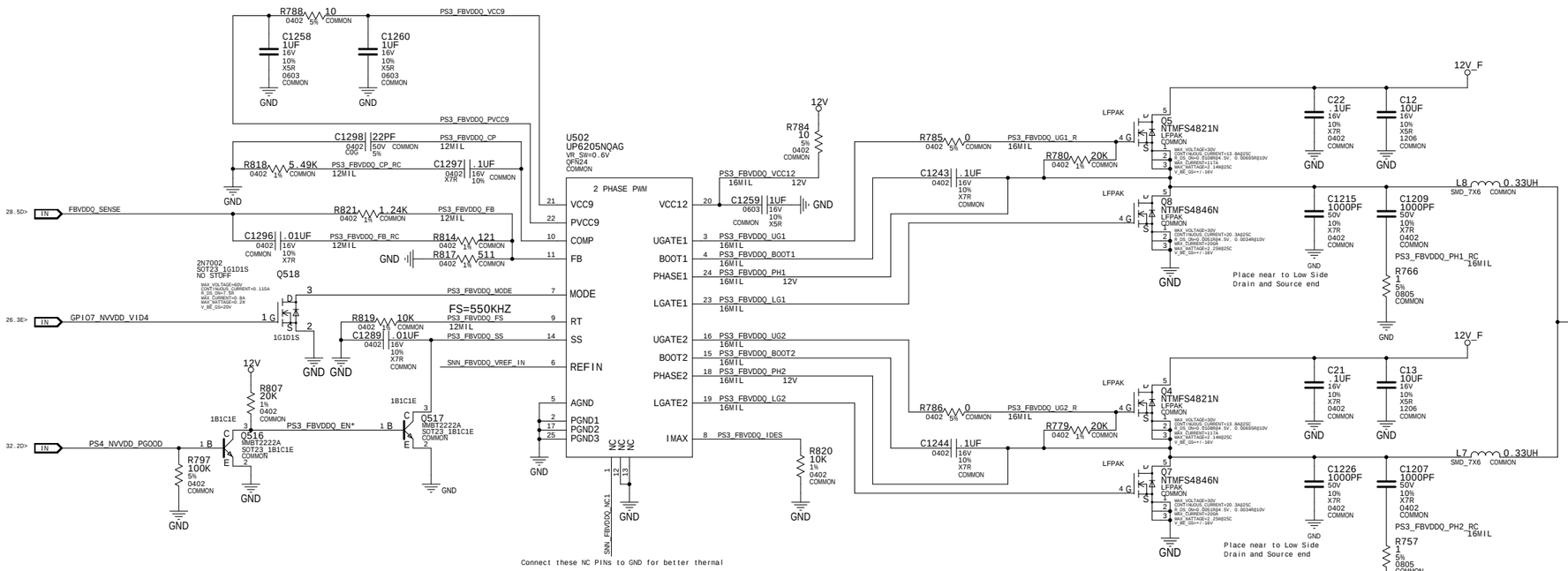


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Power Supply: 5V / 2V5 / 1V15 / PWM_5V / 8V5

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	30 OF 42
NAME	myan	DATE	14-JAN-2009

Power Supply: Combined FBVDD/Q



FS = 320KHz
Iout_pk_to_pk = 6.33A
Iout_pk_to_pk_single_phase = 8.11A

If Iout = 24A, 12A per phase;
Iinput_rms = 24A * 0.25 = 6.25A

If Iout = 26A, 13A per phase;
Iinput_rms = 26A * 0.25 = 6.5A

Vref=0.8V
Vo_Typ=0.8*(1+x/xx)=xV

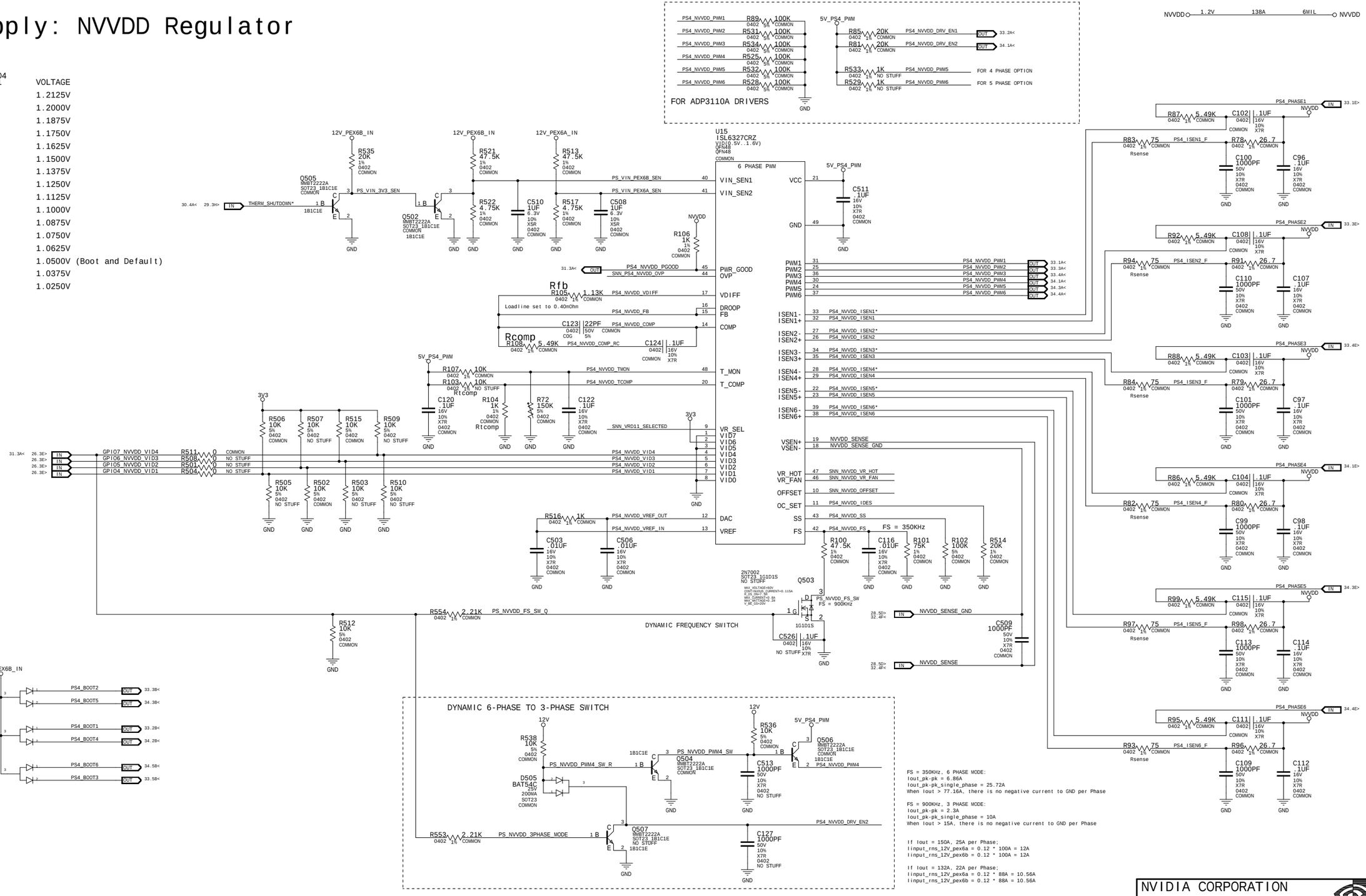
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Power Supply: Combined FBVDD/Q

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	31 OF 42
NAME	myan	DATE	14-JAN-2009

Power Supply: NVVDD Regulator

GPIO7 VID4	GPIO6 VID3	GPIO5 VID2	GPIO4 VID1	VOLTAGE
0	0	0	0	1.2125V
0	0	0	1	1.2000V
0	0	1	0	1.1875V
0	0	1	1	1.1750V
0	1	0	0	1.1625V
0	1	0	1	1.1500V
0	1	1	0	1.1375V
0	1	1	1	1.1250V
1	0	0	0	1.1125V
1	0	0	1	1.1000V
1	0	1	0	1.0875V
1	0	1	1	1.0750V
1	1	0	0	1.0625V
1	1	0	1	1.0500V (Boot and Default)
1	1	1	0	1.0375V
1	1	1	1	1.0250V

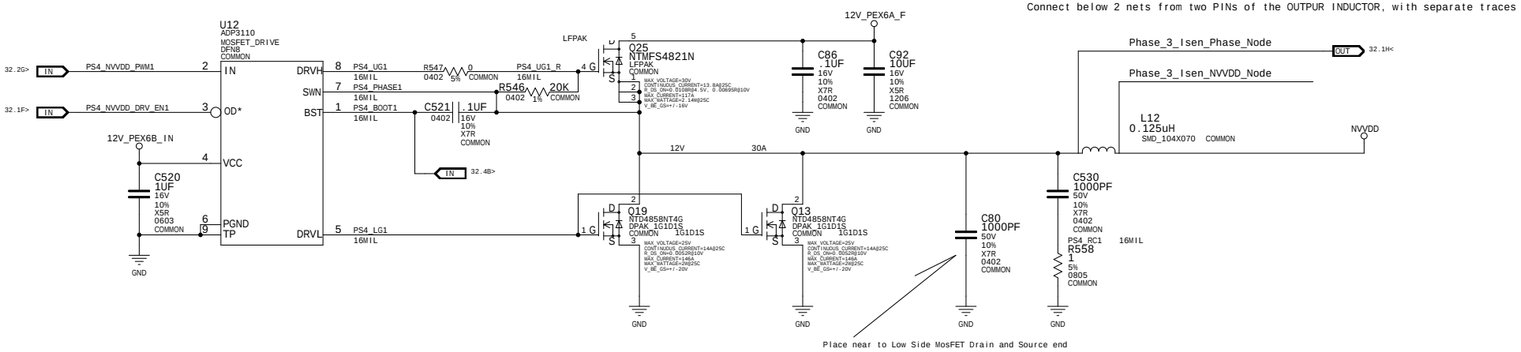


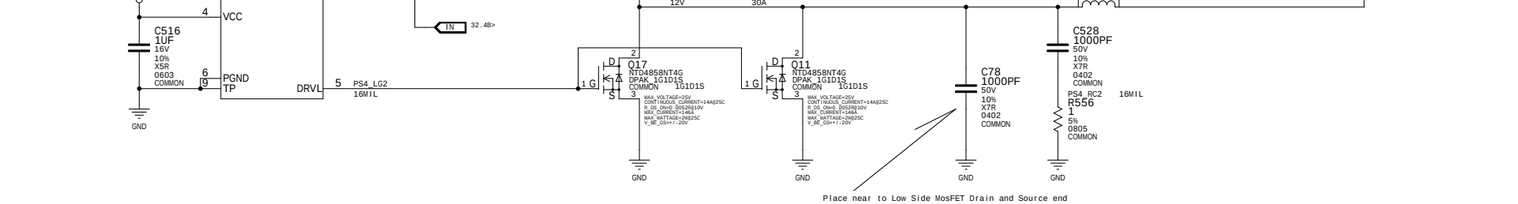
ASSEMBLY	
PAGE DETAIL	Power Supply: NVVDD REGULATOR

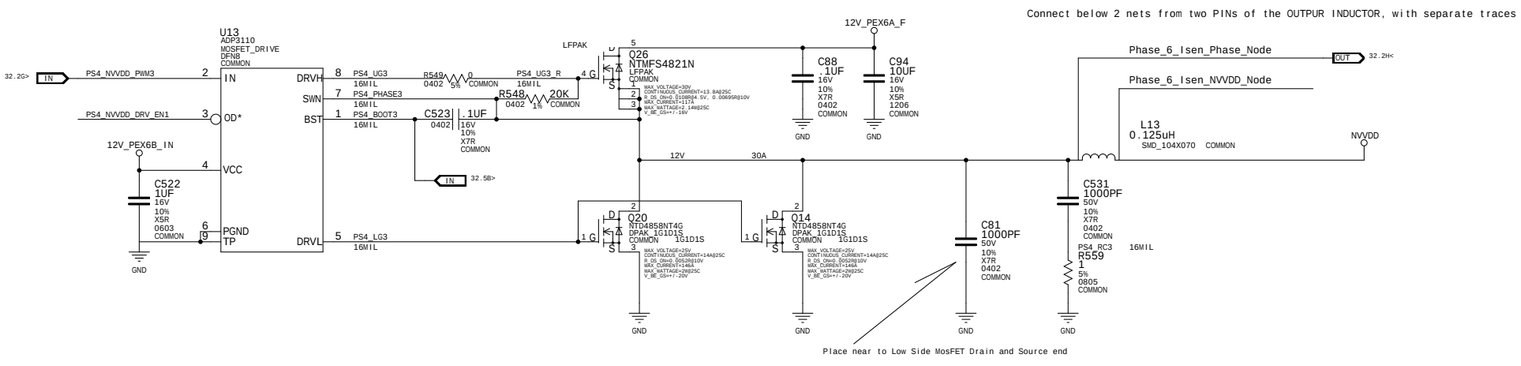
NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

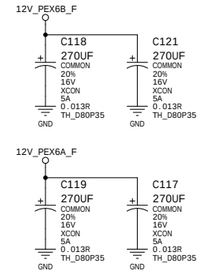
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	32 OF 42
NAME	Raite/Simon	DATE	14-JAN-2009

Power Supply: NVVDD Input Caps, NVVDD Phase 1,2,3







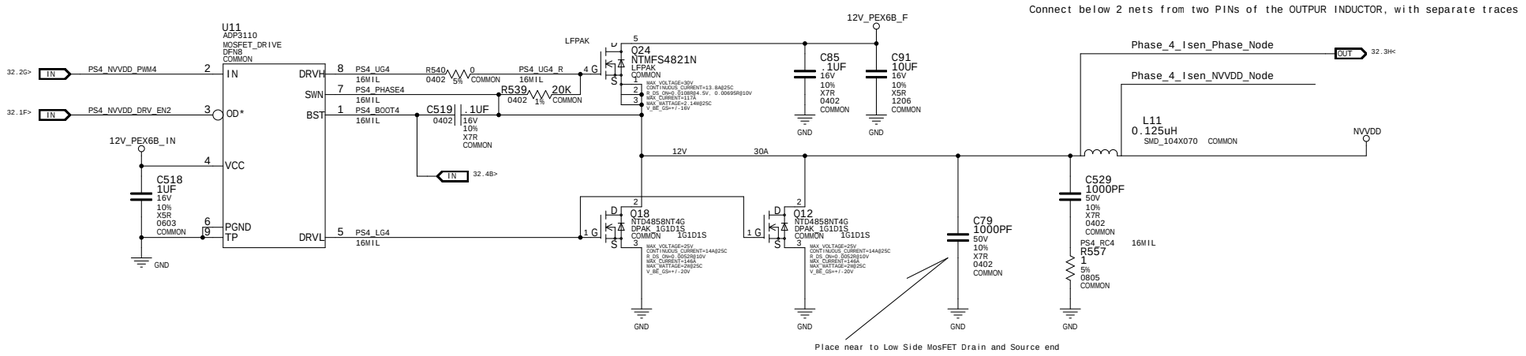


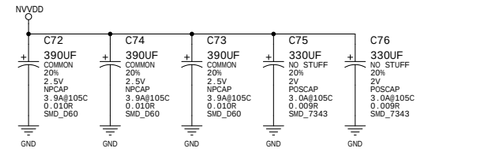
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Power Supply: NVVDD Phase 1-3 of 6

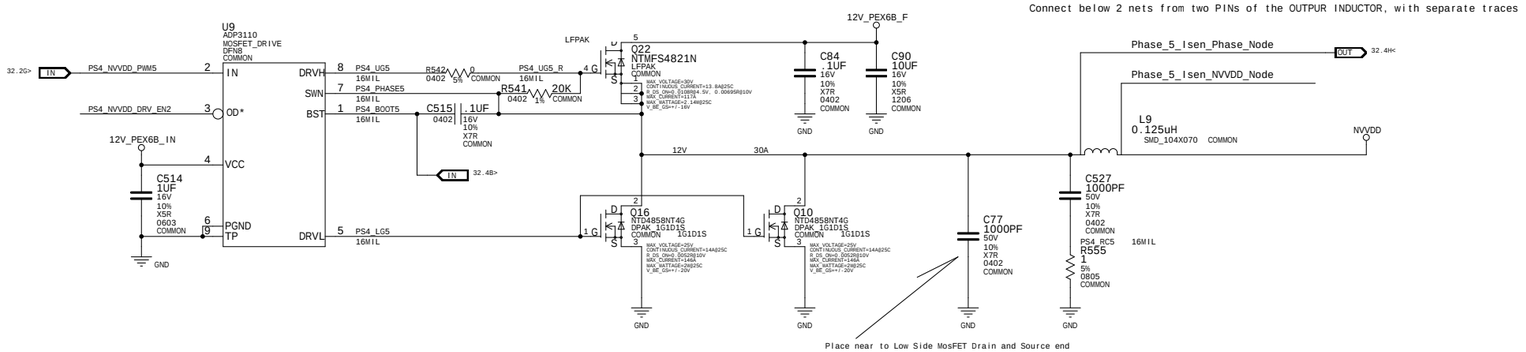
NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

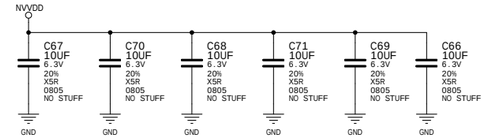
NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	33 OF 42
NAME	myan	DATE	14-JAN-2009

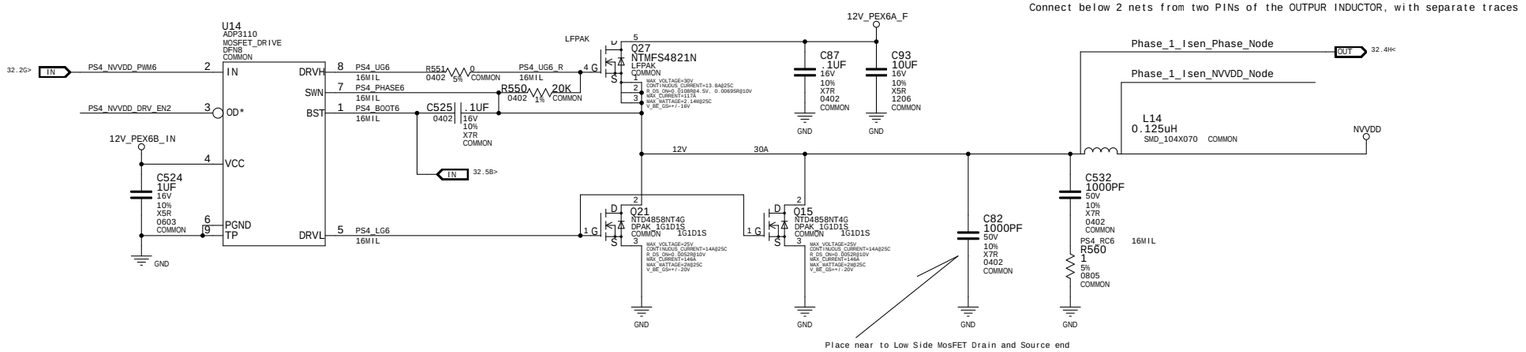
Power Supply: NVVDD Output Caps, NVVDD Phase 4,5,6









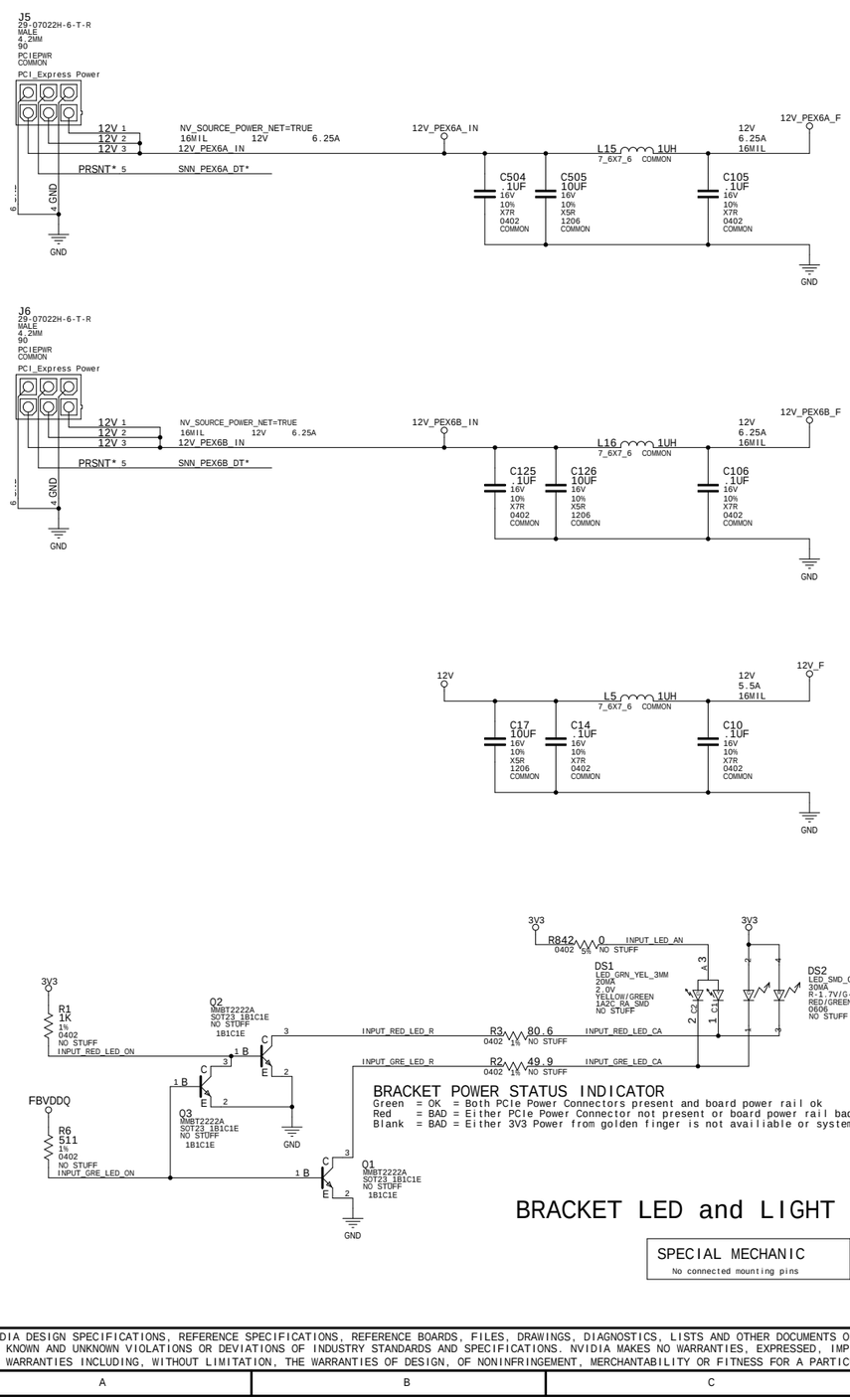


ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Power Supply: NVVDD Phase 4-6 of 6

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	34 OF 42
NAME	myan	DATE	14-JAN-2009

Power: Input Rail Filter and Detection Logic



BRACKET POWER STATUS INDICATOR

Green = OK = Both PCIe Power Connectors present and board power rail ok
Red = BAD = Either PCIe Power Connector not present or board power rail bad
Blank = BAD = Either 3V3 Power from golden finger is not availiable or system not powered

BRACKET LED and LIGHT PIPE

SPECIAL MECHANIC
No connected mounting pins

MEC1
LED_LIGHT_PIPE_D
NOPIN
NO STUFF

Connector Power State Table

2x3 Connector	2x3 Connector	STATE
2X3 Connected	2X3 Connected	Full Perf
Connected	Not Connected	Board Off
Not Connected	Connected	Board Off
Not Connected	Not Connected	Board Off

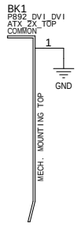
ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Power: Input Rail Filter and Detection Logic

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	35 OF 42
NAME	myan	DATE	14-JAN-2009

Thermal/Mechanical/ID

Bracket and Assembly



NVPN = 151-10001-0034-005

MEC12
PH_4.40X.1875_SCREW
STD
COMMON
NVPN = 154-0037-000

MEC14
HEX_JACK_SCREW
STD
COMMON

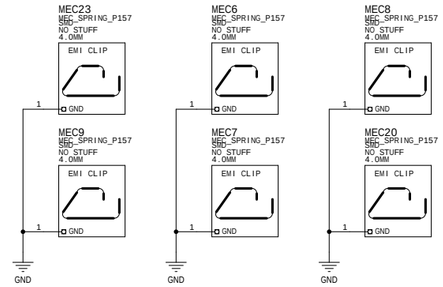
MEC16
HEX_JACK_SCREW
STD
COMMON

MEC13
HEX_JACK_SCREW
STD
COMMON

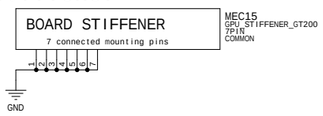
MEC17
HEX_JACK_SCREW
STD
COMMON

EMI Gnd Clips

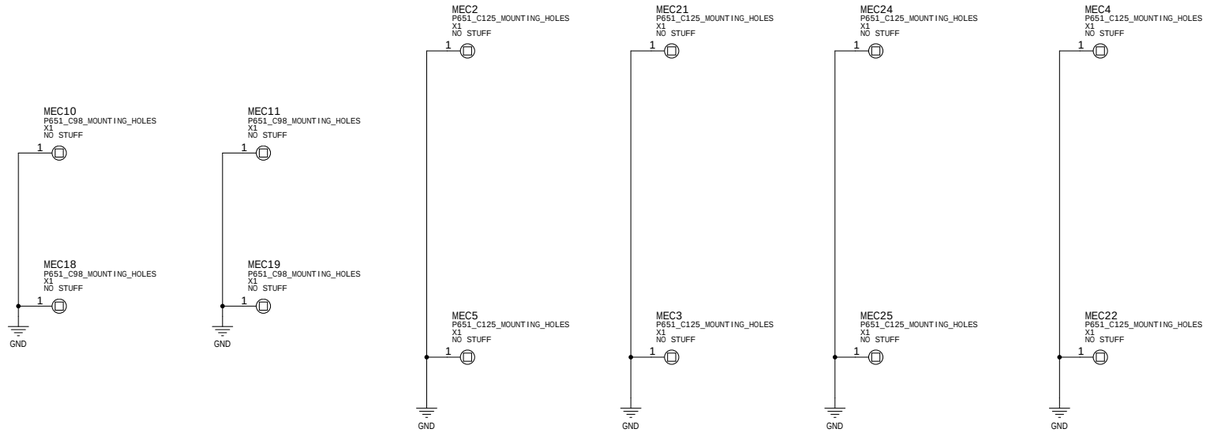
Top Side Clips



GPU Stiffener



THERMAL/MECHANICAL HOLES



ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	Thermal/Mechanical

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	36 OF 42
NAME	myan	DATE	14-JAN-2009

Title: Basenet Report
Design: p892_a04
Date: Jan 14 18:55:02 2009

Base nets and synonyms for
p892_a04_lib.P892_A04(@p892_a04_lib.p892
_a04(sch_1))

Base Signal	Location([Zone][dir])
12V_IN_D	30.1A
12V_PEX6A_IN	35.1A
12V_PEX6B_IN	35.2A
DACA_BLUE	20.3C
DACA_BLUE_CON	20.4H> 24.3G<
DACA_GREEN	20.3C
DACA_GREEN_CON	20.4H> 24.3G<
DACA_HSYNC	20.3C
DACA_HSYNC_BUF	20.2F
DACA_HSYNC_BUF_R	20.2E
DACA_HSYNC_CON	20.2H> 24.4G<
DACA_RED	20.3C
DACA_RED_CON	20.3H> 24.3G<
DACA_RSET	20.3B
DACA_VREF	20.3B
DACA_VSYNC	20.3C
DACA_VSYNC_BUF	20.3F
DACA_VSYNC_BUF_R	20.3E
DACA_VSYNC_CON	20.3H> 24.3G<
DACB_PB	22.3C
DACB_PB_F	22.2F
DACB_PR	22.3C
DACB_PR_F	22.3F
DACB_RSET	22.3B
DACB_VREF	22.3B
DACB_Y	22.3C
DACB_Y_F	22.2F
DACC_BLUE	21.3C
DACC_BLUE_CON	21.4H> 23.3G<
DACC_GREEN	21.3C
DACC_GREEN_CON	21.4H> 23.3G<
DACC_HSYNC	21.3C
DACC_HSYNC_BUF	21.2F
DACC_HSYNC_BUF_R	21.2E
DACC_HSYNC_CON	21.2H> 23.4G<
DACC_RED	21.3C
DACC_RED_CON	21.3H> 23.3G<
DACC_RSET	21.3B
DACC_VREF	21.3B
DACC_VSYNC	21.3C
DACC_VSYNC_BUF	21.3F
DACC_VSYNC_BUF_R	21.3E
DACC_VSYNC_CON	21.3H> 23.3G<
DRA_CLK	25.2C
DRA_CMD	25.2C
DRA_D0	25.2C
DRA_D1	25.2C
DRA_D2	25.2C
DRA_D3	25.2C
DRA_D4	25.2C
DRA_D5	25.2C
DRA_D6	25.2C
DRA_D7	25.2C
DRA_D8	25.2C
DRA_D9	25.2C
DRA_D10	25.2C
DRA_D11	25.2C
DRA_D12	25.2C
DRA_D13	25.2C
DRA_D14	25.2C
DRA_RASTERSYNC1	25.3F
DRB_CLK	25.3C
DRB_CMD	25.3C
DRB_D0	25.3C
DRB_D1	25.3C
DRB_D2	25.3C
DRB_D3	25.3C
DRB_D4	25.3C
DRB_D5	25.3C
DRB_D6	25.3C
DRB_D7	25.3C
DRB_D8	25.3C
DRB_D9	25.3C
DRB_D10	25.3C
DRB_D11	25.3C
DRB_D12	25.3C
DRB_D13	25.3C
DRB_D14	25.3C
DRB_RASTERSYNC2	25.4F
DR_CAL_PD_VDDQ	25.2B
DR_CAL_PU_GND	25.3B
DR_VREF	25.3B
DVIA_D0	27.2D 27.4C
DVIA_D1	27.2D 27.4C
DVIA_D2	27.2D 27.4C
DVIA_D3	27.2D 27.4C
DVIA_D7	27.3D 27.4C

FAN_PWM	29.4E
FAN_SHUTDOWN	29.4G
FAN_TACH	29.4E
FBA0_CLK0	4.4A 4.5G> 8.2A< 8.2A 8.4G
FBA0_CLK0*	4.4A 4.5G> 8.2A< 8.2A 8.4G
FBA0_CLK0_R	8.4H
FBA1_CLK0	4.4B 4.5G> 8.2A< 8.2C 8.4G
FBA1_CLK0*	4.4B 4.5G> 8.2A< 8.2C 8.4G
FBA1_CLK0_R	8.4H
FBAB_REFCLK	4.3C< 19.5D>
FBAB_REFCLK*	4.3C< 19.5D>
FBAB_VREF	8.2H<> 8.3D 9.1H<> 9.3B
FBA_CMD<0>	4.3A 4.4F 8.1A 8.1A 8.5A
FBA_CMD<0..28>	4.4G> 8.1A<
FBA_CMD<1>	4.3A 4.4F 8.1A 8.1A 8.5A
FBA_CMD<2>	4.3A 4.4F 8.1A 8.1A 8.5A
FBA_CMD<3>	4.3A 4.4F 8.1A 8.1A 8.5A
FBA_CMD<4>	4.3A 4.4F 8.1A 8.1A 8.5A
FBA_CMD<5>	4.3A 4.4F 8.1A 8.1A 8.5A
FBA_CMD<6>	4.3A 4.4F 8.1A 8.2A 8.2C 8.5F
FBA_CMD<7>	4.3A 4.4F 8.1A 8.1A 8.1C
FBA_CMD<8>	4.3A 4.4F 8.1A 8.2A 8.2C
FBA_CMD<9>	4.3A 4.4F 8.1A 8.1A 8.1C
FBA_CMD<10>	4.3A 4.4F 8.1A 8.2A 8.2C 8.5F
FBA_CMD<11>	4.3A 4.4F 8.1A 8.2A 8.2C
FBA_CMD<12>	4.3A 4.4F 8.1A 8.1A 8.1C
FBA_CMD<13>	4.3A 4.4F 8.1A 8.2A 8.2C
FBA_CMD<14>	4.3A 4.4F 8.1A 8.1A 8.1C
FBA_CMD<15>	4.3A 4.4F 8.1A 8.2A 8.2C
FBA_CMD<16>	4.3A 4.4F 8.1A 8.1A 8.1C
FBA_CMD<17>	4.3A 4.4F 8.1A 8.1A 8.1C
FBA_CMD<18>	4.3A 4.4F 8.1A 8.1A 8.1C
FBA_CMD<19>	4.3A 4.4F 8.1A 8.1A 8.1C
FBA_CMD<20>	4.3A 4.4F 8.1A 8.1C 8.2A
FBA_CMD<21>	4.3A 4.4F 8.1A 8.1C 8.2A
FBA_CMD<23>	4.3A 4.4F 8.1C 8.2A 8.5C
FBA_CMD<24>	4.4A 4.5F 8.1C 8.2A 8.5C
FBA_CMD<25>	4.4A 4.5F 8.1C 8.2A 8.5C
FBA_CMD<26>	4.4A 4.5F 8.1C 8.2A 8.5C
FBA_CMD<27>	4.4A 4.5F 8.1C 8.2A 8.5C
FBA_CMD<28>	4.4A 4.5F 8.1C 8.2A 8.5C
FBA_D<0>	4.1A 4.1F 8.2A 8.3A
FBA_D<0..63>	4.1G> 8.2A<>
FBA_D<1>	4.1A 4.1F 8.2A 8.3A
FBA_D<2>	4.1A 4.1F 8.2A 8.3A
FBA_D<3>	4.1A 4.1F 8.2A 8.3A
FBA_D<4>	4.1A 4.1F 8.2A 8.4A
FBA_D<5>	4.1A 4.1F 8.2A 8.4A
FBA_D<6>	4.1A 4.1F 8.2A 8.4A
FBA_D<7>	4.1A 4.1F 8.3A 8.4A
FBA_D<8>	4.1A 4.1F 8.3A 8.3B
FBA_D<9>	4.1A 4.1F 8.3A 8.3B
FBA_D<10>	4.1A 4.1F 8.3A 8.3B
FBA_D<11>	4.1A 4.1F 8.3A 8.3B
FBA_D<12>	4.1A 4.1F 8.3A 8.4B
FBA_D<13>	4.1A 4.1F 8.3A 8.4B
FBA_D<14>	4.1F 4.2A 8.3A 8.4B
FBA_D<15>	4.1F 4.2A 8.3A 8.4B
FBA_D<16>	4.1F 4.2A 8.3A 8.4A
FBA_D<17>	4.1F 4.2A 8.3A 8.4A
FBA_D<18>	4.1F 4.2A 8.3A 8.4A
FBA_D<19>	4.1F 4.2A 8.3A 8.4A
FBA_D<20>	4.1F 4.2A 8.3A 8.4A

FBA_D<21>	4.1F 4.2A 8.3A 8.4A
FBA_D<22>	4.1F 4.2A 8.3A 8.4A
FBA_D<23>	4.1F 4.2A 8.3A 8.4A
FBA_D<24>	4.1F 4.2A 8.3A 8.4B
FBA_D<25>	4.1F 4.2A 8.3A 8.4B
FBA_D<26>	4.1F 4.2A 8.3A 8.4B
FBA_D<27>	4.2A 4.2F 8.3A 8.4B
FBA_D<28>	4.2A 4.2F 8.3A 8.4B
FBA_D<29>	4.2A 4.2F 8.3A 8.4B
FBA_D<30>	4.2A 4.2F 8.3A 8.4B
FBA_D<31>	4.2A 4.2F 8.3A 8.4B
FBA_D<32>	4.1B 4.2F 8.3A 8.3C
FBA_D<33>	4.1B 4.2F 8.3A 8.3C
FBA_D<34>	4.1B 4.2F 8.3A 8.3C
FBA_D<35>	4.1B 4.2F 8.3A 8.3C
FBA_D<36>	4.1B 4.2F 8.3A 8.4C
FBA_D<37>	4.1B 4.2F 8.4A 8.4C
FBA_D<38>	4.1B 4.2F 8.4A 8.4C
FBA_D<39>	4.1B 4.2F 8.4A 8.4C
FBA_D<40>	4.1B 4.2F 8.3C 8.4A
FBA_D<41>	4.1B 4.2F 8.3C 8.4A
FBA_D<42>	4.1B 4.2F 8.3C 8.4A
FBA_D<43>	4.1B 4.2F 8.3C 8.4A
FBA_D<44>	4.1B 4.2F 8.4A 8.4C
FBA_D<45>	4.1B 4.2F 8.4A 8.4C
FBA_D<46>	4.2B 4.2F 8.4A 8.4C
FBA_D<47>	4.2B 4.2F 8.4A 8.4C
FBA_D<48>	4.2B 4.2F 8.4A 8.4C
FBA_D<49>	4.2B 4.2F 8.4A 8.4C
FBA_D<50>	4.2B 4.2F 8.4A 8.4C
FBA_D<51>	4.2B 4.2F 8.4A 8.4C
FBA_D<52>	4.2B 4.2F 8.4A 8.4C
FBA_D<53>	4.2B 4.2F 8.4A 8.4C
FBA_D<54>	4.2B 4.2F 8.4A 8.4C
FBA_D<55>	4.2B 4.2F 8.4A 8.4C
FBA_D<56>	4.2B 4.2F 8.4A 8.4C
FBA_D<57>	4.2B 4.3F 8.4A 8.4C
FBA_D<58>	4.2B 4.3F 8.4A 8.4C
FBA_D<59>	4.2B 4.3F 8.4A 8.4C
FBA_D<60>	4.2B 4.3F 8.4A 8.4C
FBA_D<61>	4.2B 4.3F 8.4A 8.4C
FBA_D<62>	4.2B 4.3F 8.4A 8.4C
FBA_D<63>	4.2B 4.3F 8.4A 8.4C
FBA_DEBUG	4.3B
FBA_DQM0	4.2A 4.3G<> 8.4A<> 8.4A
FBA_DQM1	4.2A 4.3G<> 8.4B 8.5A<>
FBA_DQM2	4.2A 4.3G<> 8.4A 8.5A<>
FBA_DQM3	4.2A 4.3G<> 8.4B 8.5A<>
FBA_DQM4	4.2B 4.3G<> 8.4C 8.5A<>
FBA_DQM5	4.2B 4.3G<> 8.4C 8.5A<>
FBA_DQM6	4.2B 4.3G<> 8.4C 8.5A<>
FBA_DQM7	4.2B 4.3G<> 8.4C 8.5A<>
FBA_DQS_RN0	4.2A 4.3G< 8.4A 8.5A<
FBA_DQS_RN1	4.2A 4.3G< 8.4B 8.5A<
FBA_DQS_RN2	4.2A 4.3G< 8.4A 8.5A<
FBA_DQS_RN3	4.2A 4.3G< 8.4B 8.5A<
FBA_DQS_RN4	4.2B 4.3G< 8.4C 8.5A<
FBA_DQS_RN5	4.2B 4.3G< 8.4C 8.5A<
FBA_DQS_RN6	4.2B 4.3G< 8.4C 8.5A<
FBA_DQS_RN7	4.2B 4.3G< 8.4C 8.5A<
FBA_DQS_WP0	4.3A 4.3G> 8.4A 8.5A>
FBA_DQS_WP1	4.3A 4.3G> 8.4B 8.5A>
FBA_DQS_WP2	4.3A 4.3G> 8.4A 8.5A>
FBA_DQS_WP3	4.3A 4.4G> 8.4B 8.5A>
FBA_DQS_WP4	4.3B 4.4G> 8.4C 8.5A>
FBA_DQS_WP5	4.3B 4.4G> 8.4C 8.5A>
FBA_DQS_WP6	4.3B 4.4G> 8.4C 8.5A>
FBA_DQS_WP7	4.3B 4.4G> 8.4C 8.5A>
FBA_SEN1	8.2A
FBA_SEN2	8.2C
FBA_VREF1	8.2H 8.3B
FBA_VREF2	8.1H 8.3B 8.3D
FBA_ZQ1	8.2A
FBA_ZQ2	8.2C
FBB0_CLK0	4.4D 4.5H> 9.2A< 9.2A 9.4G
FBB0_CLK0*	4.4D 4.5H> 9.2A< 9.2A 9.4G
FBB0_CLK0_R	9.4H
FBB1_CLK0	4.4E 4.5H> 9.2A< 9.2C 9.4G
FBB1_CLK0*	4.4E 4.5H> 9.2A< 9.2C 9.4G
FBB1_CLK0_R	9.4H
FBBC_VREF	9.2H<> 9.3D 10.1H<> 10.3B
FBB_CMD<0>	4.3D 4.4G 9.1A 9.1A 9.5A

FBB_CMD<0..28>	4.4H> 9.1A<
FBB_CMD<1>	4.3D 4.4G 9.1A 9.1A 9.5A
FBB_CMD<2>	4.3D 4.4G 9.1A 9.1A 9.5A
FBB_CMD<3>	4.3D 4.4G 9.1A 9.1A 9.5A
FBB_CMD<4>	4.3D 4.4G 9.1A 9.1A 9.5A
FBB_CMD<5>	4.3D 4.4G 9.1A 9.1A 9.5A
FBB_CMD<6>	4.3D 4.4G 9.1A 9.2A 9.2C 9.5F
FBB_CMD<7>	4.3D 4.4G 9.1A 9.1A 9.1C
FBB_CMD<8>	4.3D 4.4G 9.1A 9.2A 9.2C
FBB_CMD<9>	4.3D 4.4G 9.1A 9.1A 9.1C
FBB_CMD<10>	4.3D 4.4G 9.1A 9.2A 9.2C 9.5F
FBB_CMD<11>	4.3D 4.4G 9.1A 9.2A 9.2C
FBB_CMD<12>	4.3D 4.4G 9.1A 9.1A 9.1C
FBB_CMD<13>	4.3D 4.4G 9.1A 9.2A 9.2C
FBB_CMD<14>	4.3D 4.4G 9.1A 9.1A 9.1C
FBB_CMD<15>	4.3D 4.4G 9.1A 9.2A 9.2C
FBB_CMD<16>	4.3D 4.4G 9.1A 9.1A 9.1C
FBB_CMD<17>	4.3D 4.4G 9.1A 9.1A 9.1C
FBB_CMD<18>	4.3D 4.4G 9.1A 9.1A 9.1C
FBB_CMD<19>	4.3D 4.4G 9.1A 9.1A 9.1C
FBB_CMD<20>	4.3D 4.4G 9.1A 9.1C 9.2A
FBB_CMD<21>	4.3D 4.4G 9.1A 9.1C 9.2A
FBB_CMD<23>	4.3D 4.4G 9.1C 9.2A 9.5C
FBB_CMD<24>	4.4D 4.5G 9.1C 9.2A 9.5C
FBB_CMD<25>	4.4D 4.5G 9.1C 9.2A 9.5C
FBB_CMD<26>	4.4D 4.5G 9.1C 9.2A 9.5C
FBB_CMD<27>	4.4D 4.5G 9.1C 9.2A 9.5C
FBB_CMD<28>	4.4D 4.5G 9.1C 9.2A 9.5C
FBB_D<0>	4.1D 4.1G 9.2A 9.3A
FBB_D<0..63>	4.1H> 9.2A<>
FBB_D<1>	4.1D 4.1G 9.2A 9.3A
FBB_D<2>	4.1D 4.1G 9.2A 9.3A
FBB_D<3>	4.1D 4.1G 9.2A 9.3A
FBB_D<4>	4.1D 4.1G 9.2A 9.4A
FBB_D<5>	4.1D 4.1G 9.2A 9.4A
FBB_D<6>	4.1D 4.1G 9.2A 9.4A
FBB_D<7>	4.1D 4.1G 9.3A 9.4A
FBB_D<8>	4.1D 4.1G 9.3A 9.3B
FBB_D<9>	4.1D 4.1G 9.3A 9.3B
FBB_D<10>	4.1D 4.1G 9.3A 9.3B
FBB_D<11>	4.1D 4.1G 9.3A 9.3B
FBB_D<12>	4.1D 4.1G 9.3A 9.4B
FBB_D<13>	4.1D 4.1G 9.3A 9.4B
FBB_D<14>	4.1G 4.2D 9.3A 9.4B
FBB_D<15>	4.1G 4.2D 9.3A 9.4B
FBB_D<16>	4.1G 4.2D 9.3A 9.4A
FBB_D<17>	4.1G 4.2D 9.3A 9.4A
FBB_D<18>	4.1G 4.2D 9.3A 9.4A
FBB_D<19>	4.1G 4.2D 9.3A 9.4A
FBB_D<20>	4.1G 4.2D 9.3A 9.4A
FBB_D<21>	4.1G 4.2D 9.3A 9.4A
FBB_D<22>	4.1G 4.2D 9.3A 9.4A
FBB_D<23>	4.1G 4.2D 9.3A 9.4A
FBB_D<24>	4.1G 4.2D 9.3A 9.4B
FBB_D<25>	4.1G 4.2D 9.3A 9.4B
FBB_D<26>	4.1G 4.2D 9.3A 9.4B
FBB_D<27>	4.2D 4.2G 9.3A 9.4B
FBB_D<28>	4.2D 4.2G 9.3A 9.4B
FBB_D<29>	4.2D 4.2G 9.3A 9.4B
FBB_D<30>	4.2D 4.2G 9.3A 9.4B
FBB_D<31>	4.2D 4.2G 9.3A 9.4B
FBB_D<32>	4.1E 4.2G 9.3A 9.3C
FBB_D<33>	4.1E 4.2G 9.3A 9.3C
FBB_D<34>	4.1E 4.2G 9.3A 9.3C
FBB_D<35>	4.1E 4.2G 9.3A 9.3C
FBB_D<36>	4.1E 4.2G 9.3A 9.4C
FBB_D<37>	4.1E 4.2G 9.4A 9.4C
FBB_D<38>	4.1E 4.2G 9.4A 9.4C
FBB_D<39>	4.1E 4.2G 9.4A 9.4C

FBB_D<40>	4.1E 4.2G 9.3C 9.4A
FBB_D<41>	4.1E 4.2G 9.3C 9.4A
FBB_D<42>	4.1E 4.2G 9.3C 9.4A
FBB_D<43>	4.1E 4.2G 9.3C 9.4A
FBB_D<44>	4.1E 4.2G 9.4A 9.4C
FBB_D<45>	4.1E 4.2G 9.4A 9.4C
FBB_D<46>	4.2E 4.2G 9.4A 9.4C
FBB_D<47>	4.2E 4.2G 9.4A 9.4C
FBB_D<48>	4.2E 4.2G 9.4A 9.4C
FBB_D<49>	4.2E 4.2G 9.4A 9.4C
FBB_D<50>	4.2E 4.2G 9.4A 9.4C
FBB_D<51>	4.2E 4.2G 9.4A 9.4C
FBB_D<52>	4.2E 4.2G 9.4A 9.4C
FBB_D<53>	4.2E 4.2G 9.4A 9.4C
FBB_D<54>	4.2E 4.2G 9.4A 9.4C
FBB_D<55>	4.2E 4.2G 9.4A 9.4C
FBB_D<56>	4.2E 4.2G 9.4A 9.4C
FBB_D<57>	4.2E 4.3G 9.4A 9.4C
FBB_D<58>	4.2E 4.3G 9.4A 9.4C
FBB_D<59>	4.2E 4.3G 9.4A 9.4C
FBB_D<60>	4.2E 4.3G 9.4A 9.4C
FBB_D<61>	4.2E 4.3G 9.4A 9.4C
FBB_D<62>	4.2E 4.3G 9.4A 9.4C
FBB_D<63>	4.2E 4.3G 9.4A 9.4C
FBB_DEBUG	4.3E
FBB_DQM0	4.2D 4.3H<> 9.4A<> 9.4A
FBB_DQM1	4.2D 4.3H<> 9.4B 9.5A<>
FBB_DQM2	4.2D 4.3H<> 9.4A 9.5A<>
FBB_DQM3	4.2D 4.3H<> 9.4B 9.5A<>
FBB_DQM4	4.2E 4.3H<> 9.4C 9.5A<>
FBB_DQM5	4.2E 4.3H<> 9.4C 9.5A<>
FBB_DQM6	4.2E 4.3H<> 9.4C 9.5A<>
FBB_DQM7	4.2E 4.3H<> 9.4C 9.5A<>
FBB_DQS_RN0	4.2D 4.3H< 9.4A 9.5A<
FBB_DQS_RN1	4.2D 4.3H< 9.4B 9.5A<
FBB_DQS_RN2	4.2D 4.3H< 9.4A 9.5A<
FBB_DQS_RN3	4.2D 4.3H< 9.4B 9.5A<
FBB_DQS_RN4	4.2E 4.3H< 9.4C 9.5A<
FBB_DQS_RN5	4.2E 4.3H< 9.4C 9.5A<
FBB_DQS_RN6	4.2E 4.3H< 9.4C 9.5A<
FBB_DQS_RN7	4.2E 4.3H< 9.4C 9.5A<
FBB_DQS_WP0	4.3D 4.3H> 9.4A 9.5A>
FBB_DQS_WP1	4.3D 4.3H> 9.4B 9.5A>
FBB_DQS_WP2	4.3D 4.3H> 9.4A 9.5A>
FBB_DQS_WP3	4.3D 4.4H> 9.4B 9.5A>
FBB_DQS_WP4	4.3E 4.4H> 9.4C 9.5A>
FBB_DQS_WP5	4.3E 4.4H> 9.4C 9.5A>
FBB_DQS_WP6	4.3E 4.4H> 9.4C 9.5A>
FBB_DQS_WP7	4.3E 4.4H> 9.4C 9.5A>
FBB_SEN1	9.2A
FBB_SEN2	9.2C
FBB_VREF1	9.2H 9.3B 9.3D
FBB_ZQ1	9.2A
FBB_ZQ2	9.2C
FBC0_CLK0	5.4A 5.5G> 10.2A< 10.2A 10.4G
FBC0_CLK0*	5.4A 5.5G> 10.2A< 10.2A 10.4G
FBC0_CLK0_R	10.4H
FBC1_CLK0	5.4B 5.5G> 10.2A< 10.2C 10.4G
FBC1_CLK0*	5.4B 5.5G> 10.2A< 10.2C 10.4G
FBC1_CLK0_R	10.4H
FBCD_REFCLK	5.3C< 19.5D>
FBCD_REFCLK*	5.3C< 19.5D>
FBC_CMD<0>	5.3A 5.4F 10.1A 10.1A 10.5A
FBC_CMD<0..28>	5.4G> 10.1A<
FBC_CMD<1>	5.3A 5.4F 10.1A 10.1A 10.5A
FBC_CMD<2>	5.3A 5.4F 10.1A 10.1A 10.5A
FBC_CMD<3>	5.3A 5.4F 10.1A 10.1A 10.5A
FBC_CMD<4>	5.3A 5.4F 10.1A 10.1A 10.5A
FBC_CMD<5>	5.3A 5.4F 10.1A 10.1A 10.5A
FBC_CMD<6>	5.3A 5.4F 10.1A 10.2A 10.2C 10.5F
FBC_CMD<7>	5.3A 5.4F 10.1A 10.1A 10.1C
FBC_CMD<8>	5.3A 5.4F 10.1A 10.2A 10.2C
FBC_CMD<9>	5.3A 5.4F 10.1A 10.1A 10.1C
FBC_CMD<10>	5.3A 5.4F 10.1A 10.2A

	10.2C 10.5F
FBC_CMD<11>	5.4A 5.4F 10.1A 10.2A 10.2C
FBC_CMD<12>	5.4A 5.4F 10.1A 10.1A 10.1C
FBC_CMD<13>	5.4A 5.4F 10.1A 10.2A 10.2C
FBC_CMD<14>	5.4A 5.4F 10.1A 10.1A 10.1C
FBC_CMD<15>	5.4A 5.4F 10.1A 10.2A 10.2C
FBC_CMD<16>	5.4A 5.4F 10.1A 10.1A 10.1C
FBC_CMD<17>	5.4A 5.4F 10.1A 10.1A 10.1C
FBC_CMD<18>	5.4A 5.4F 10.1A 10.1A 10.1C
FBC_CMD<19>	5.4A 5.4F 10.1A 10.1A 10.1C
FBC_CMD<20>	5.4A 5.4F 10.1A 10.1C 10.2A
FBC_CMD<21>	5.4A 5.4F 10.1A 10.1C 10.2A
FBC_CMD<23>	5.4A 5.4F 10.1C 10.2A 10.5C
FBC_CMD<24>	5.4A 5.5F 10.1C 10.2A 10.5C
FBC_CMD<25>	5.4A 5.5F 10.1C 10.2A 10.5C
FBC_CMD<26>	5.4A 5.5F 10.1C 10.2A 10.5C
FBC_CMD<27>	5.4A 5.5F 10.1C 10.2A 10.5C
FBC_CMD<28>	5.4A 5.5F 10.1C 10.2A 10.5C
FBC_D<0>	5.1A 5.1F 10.2A 10.3A
FBC_D<0..63>	5.1G> 10.2A<>
FBC_D<1>	5.1F 5.2A 10.2A 10.3A
FBC_D<2>	5.1F 5.2A 10.2A 10.3A
FBC_D<3>	5.1F 5.2A 10.2A 10.3A
FBC_D<4>	5.1F 5.2A 10.2A 10.4A
FBC_D<5>	5.1F 5.2A 10.2A 10.4A
FBC_D<6>	5.1F 5.2A 10.2A 10.4A
FBC_D<7>	5.1F 5.2A 10.3A 10.4A
FBC_D<8>	5.1F 5.2A 10.3A 10.3B
FBC_D<9>	5.1F 5.2A 10.3A 10.3B
FBC_D<10>	5.1F 5.2A 10.3A 10.3B
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FBC_D<13>	5.1F 5.2A 10.3A 10.4B
FBC_D<14>	5.1F 5.2A 10.3A 10.4B
FBC_D<15>	5.1F 5.2A 10.3A 10.4B
FBC_D<16>	5.1F 5.2A 10.3A 10.4A
FBC_D<17>	5.1F 5.2A 10.3A 10.4A
FBC_D<18>	5.1F 5.2A 10.3A 10.4A
FBC_D<19>	5.1F 5.2A 10.3A 10.4A
FBC_D<20>	5.1F 5.2A 10.3A 10.4A
FBC_D<21>	5.1F 5.2A 10.3A 10.4A
FBC_D<22>	5.1F 5.2A 10.3A 10.4A
FBC_D<23>	5.1F 5.2A 10.3A 10.4A
FBC_D<24>	5.1F 5.2A 10.3A 10.4B
FBC_D<25>	5.1F 5.2A 10.3A 10.4B
FBC_D<26>	5.1F 5.2A 10.3A 10.4B
FBC_D<27>	5.2A 5.2F 10.3A 10.4B
FBC_D<28>	5.2A 5.2F 10.3A 10.4B
FBC_D<29>	5.2A 5.2F 10.3A 10.4B
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FBC_D<31>	5.2F 5.3A 10.3A 10.4B
FBC_D<32>	5.1B 5.2F 10.3A 10.3C
FBC_D<33>	5.2B 5.2F 10.3A 10.3C
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FBC_D<35>	5.2B 5.2F 10.3A 10.3C
FBC_D<36>	5.2B 5.2F 10.3A 10.4C
FBC_D<37>	5.2B 5.2F 10.4A 10.4C
FBC_D<38>	5.2B 5.2F 10.4A 10.4C
FBC_D<39>	5.2B 5.2F 10.4A 10.4C
FBC_D<40>	5.2B 5.2F 10.3C 10.4A
FBC_D<41>	5.2B 5.2F 10.3C 10.4A
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FBC_D<47>	5.2B 5.2F 10.4A 10.4C
FBC_D<48>	5.2B 5.2F 10.4A 10.4C
FBC_D<49>	5.2B 5.2F 10.4A 10.4C
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FBC_D<52>	5.2B 5.2F 10.4A 10.4C
FBC_D<53>	5.2B 5.2F 10.4A 10.4C
FBC_D<54>	5.2B 5.2F 10.4A 10.4C
FBC_D<55>	5.2B 5.2F 10.4A 10.4C
FBC_D<56>	5.2B 5.2F 10.4A 10.4C
FBC_D<57>	5.2B 5.3F 10.4A 10.4C
FBC_D<58>	5.2B 5.3F 10.4A 10.4C
FBC_D<59>	5.2B 5.3F 10.4A 10.4C

FBC_D<60>	5.2B 5.3F 10.4A 10.4C
FBC_D<61>	5.2B 5.3F 10.4A 10.4C
FBC_D<62>	5.2B 5.3F 10.4A 10.4C
FBC_D<63>	5.3B 5.3F 10.4A 10.4C
FBC_DEBUG	5.3B
FBC_DQM0	5.3A 5.3G<> 10.4A<> 10.4A
FBC_DQM1	5.3A 5.3G<> 10.4B 10.5A<>
FBC_DQM2	5.3A 5.3G<> 10.4A 10.5A<>
FBC_DQM3	5.3A 5.3G<> 10.4B 10.5A<>
FBC_DQM4	5.3B 5.3G<> 10.4C 10.5A<>
FBC_DQM5	5.3B 5.3G<> 10.4C 10.5A<>
FBC_DQM6	5.3B 5.3G<> 10.4C 10.5A<>
FBC_DQM7	5.3B 5.3G<> 10.4C 10.5A<>
FBC_DQS_RN0	5.3A 5.3G< 10.4A 10.5A<
FBC_DQS_RN1	5.3A 5.3G< 10.4B 10.5A<
FBC_DQS_RN2	5.3A 5.3G< 10.4A 10.5A<
FBC_DQS_RN3	5.3A 5.3G< 10.4B 10.5A<
FBC_DQS_RN4	5.3B 5.3G< 10.4C 10.5A<
FBC_DQS_RN5	5.3B 5.3G< 10.4C 10.5A<
FBC_DQS_RN6	5.3B 5.3G< 10.4C 10.5A<
FBC_DQS_RN7	5.3B 5.3G< 10.4C 10.5A<
FBC_DQS_WP0	5.3A 5.3G> 10.4A 10.5A>
FBC_DQS_WP1	5.3A 5.3G> 10.4B 10.5A>
FBC_DQS_WP2	5.3A 5.3G> 10.4A 10.5A>
FBC_DQS_WP3	5.3A 5.4G> 10.4B 10.5A>
FBC_DQS_WP4	5.3B 5.4G> 10.4C 10.5A>
FBC_DQS_WP5	5.3B 5.4G> 10.4C 10.5A>
FBC_DQS_WP6	5.3B 5.4G> 10.4C 10.5A>
FBC_DQS_WP7	5.3B 5.4G> 10.4C 10.5A>
FBC_SEN1	10.2A
FBC_SEN2	10.2C
FBC_VREF1	10.2H 10.3B 10.3D
FBC_VREF2	10.2H 10.3D
FBC_ZQ1	10.2A
FBC_ZQ2	10.2C
FBD0_CLK0	5.4D 5.5H> 11.2A< 11.2A 11.4G
FBD0_CLK0*	5.4D 5.5H> 11.2A< 11.2A 11.4G
FBD0_CLK0_R	11.4H
FBD1_CLK0	5.4E 5.5H> 11.2A< 11.2C 11.4G
FBD1_CLK0*	5.4E 5.5H> 11.2A< 11.2C 11.4G
FBD1_CLK0_R	11.4H
FBDE_VREF	11.2H<> 11.3D 12.1H<> 12.3B
FBD_CMD<0>	5.3D 5.4G 11.1A 11.1A 11.5A
FBD_CMD<0..28>	5.4H> 11.1A<
FBD_CMD<1>	5.3D 5.4G 11.1A 11.1A 11.5A
FBD_CMD<2>	5.3D 5.4G 11.1A 11.1A 11.5A
FBD_CMD<3>	5.3D 5.4G 11.1A 11.1A 11.5A
FBD_CMD<4>	5.3D 5.4G 11.1A 11.1A 11.5A
FBD_CMD<5>	5.3D 5.4G 11.1A 11.1A 11.5A
FBD_CMD<6>	5.3D 5.4G 11.1A 11.2A 11.2C 11.5F
FBD_CMD<7>	5.3D 5.4G 11.1A 11.1A 11.1C
FBD_CMD<8>	5.3D 5.4G 11.1A 11.2A 11.2C
FBD_CMD<9>	5.3D 5.4G 11.1A 11.1A 11.1C
FBD_CMD<10>	5.3D 5.4G 11.1A 11.2A 11.2C 11.5F
FBD_CMD<11>	5.4D 5.4G 11.1A 11.2A 11.2C

ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	<edit here to insert page detail>

NVIDIA CORPORATION
2701 SAN TOMAS EXPRESSWAY
SANTA CLARA, CA 95050, USA

NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	37 OF 42
NAME	myan	DATE	14-JAN-2009

FBD_CMD<12>	5.4D 5.4G 11.1A 11.1A
	11.1C
FBD_CMD<13>	5.4D 5.4G 11.1A 11.2A
	11.2C
FBD_CMD<14>	5.4D 5.4G 11.1A 11.1A
	11.1C
FBD_CMD<15>	5.4D 5.4G 11.1A 11.2A
	11.2C
FBD_CMD<16>	5.4D 5.4G 11.1A 11.1A
	11.1C
FBD_CMD<17>	5.4D 5.4G 11.1A 11.1A
	11.1C
FBD_CMD<18>	5.4D 5.4G 11.1A 11.1A
	11.1C
FBD_CMD<19>	5.4D 5.4G 11.1A 11.1A
	11.1C
FBD_CMD<20>	5.4D 5.4G 11.1A 11.1C
	11.2A
FBD_CMD<21>	5.4D 5.4G 11.1A 11.1C
	11.2A
FBD_CMD<23>	5.4D 5.4G 11.1C 11.2A
	11.5C
FBD_CMD<24>	5.4D 5.5G 11.1C 11.2A
	11.5C
FBD_CMD<25>	5.4D 5.5G 11.1C 11.2A
	11.5C
FBD_CMD<26>	5.4D 5.5G 11.1C 11.2A
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FBD_CMD<27>	5.4D 5.5G 11.1C 11.2A
	11.5C
FBD_CMD<28>	5.4D 5.5G 11.1C 11.2A
	11.5C
FBD_D<0>	5.1D 5.1G 11.2A 11.3A
FBD_D<0..63>	5.1H> 11.2A<>
FBD_D<1>	5.1G 5.2D 11.2A 11.3A
FBD_D<2>	5.1G 5.2D 11.2A 11.3A
FBD_D<3>	5.1G 5.2D 11.2A 11.3A
FBD_D<4>	5.1G 5.2D 11.2A 11.4A
FBD_D<5>	5.1G 5.2D 11.2A 11.4A
FBD_D<6>	5.1G 5.2D 11.2A 11.4A
FBD_D<7>	5.1G 5.2D 11.3A 11.4A
FBD_D<8>	5.1G 5.2D 11.3A 11.3B
FBD_D<9>	5.1G 5.2D 11.3A 11.3B
FBD_D<10>	5.1G 5.2D 11.3A 11.3B
FBD_D<11>	5.1G 5.2D 11.3A 11.3B
FBD_D<12>	5.1G 5.2D 11.3A 11.4B
FBD_D<13>	5.1G 5.2D 11.3A 11.4B
FBD_D<14>	5.1G 5.2D 11.3A 11.4B
FBD_D<15>	5.1G 5.2D 11.3A 11.4B
FBD_D<16>	5.1G 5.2D 11.3A 11.4A
FBD_D<17>	5.1G 5.2D 11.3A 11.4A
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FBD_D<19>	5.1G 5.2D 11.3A 11.4A
FBD_D<20>	5.1G 5.2D 11.3A 11.4A
FBD_D<21>	5.1G 5.2D 11.3A 11.4A
FBD_D<22>	5.1G 5.2D 11.3A 11.4A
FBD_D<23>	5.1G 5.2D 11.3A 11.4A
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FBD_D<26>	5.1G 5.2D 11.3A 11.4B
FBD_D<27>	5.2D 5.2G 11.3A 11.4B
FBD_D<28>	5.2D 5.2G 11.3A 11.4B
FBD_D<29>	5.2D 5.2G 11.3A 11.4B
FBD_D<30>	5.2D 5.2G 11.3A 11.4B
FBD_D<31>	5.2G 5.3D 11.3A 11.4B
FBD_D<32>	5.1E 5.2G 11.3A 11.3C
FBD_D<33>	5.2E 5.2G 11.3A 11.3C
FBD_D<34>	5.2E 5.2G 11.3A 11.3C
FBD_D<35>	5.2E 5.2G 11.3A 11.3C
FBD_D<36>	5.2E 5.2G 11.3A 11.4C
FBD_D<37>	5.2E 5.2G 11.4A 11.4C
FBD_D<38>	5.2E 5.2G 11.4A 11.4C
FBD_D<39>	5.2E 5.2G 11.4A 11.4C
FBD_D<40>	5.2E 5.2G 11.3C 11.4A
FBD_D<41>	5.2E 5.2G 11.3C 11.4A
FBD_D<42>	5.2E 5.2G 11.3C 11.4A
FBD_D<43>	5.2E 5.2G 11.3C 11.4A
FBD_D<44>	5.2E 5.2G 11.4A 11.4C
FBD_D<45>	5.2E 5.2G 11.4A 11.4C
FBD_D<46>	5.2E 5.2G 11.4A 11.4C
FBD_D<47>	5.2E 5.2G 11.4A 11.4C
FBD_D<48>	5.2E 5.2G 11.4A 11.4C
FBD_D<49>	5.2E 5.2G 11.4A 11.4C
FBD_D<50>	5.2E 5.2G 11.4A 11.4C
FBD_D<51>	5.2E 5.2G 11.4A 11.4C
FBD_D<52>	5.2E 5.2G 11.4A 11.4C
FBD_D<53>	5.2E 5.2G 11.4A 11.4C
FBD_D<54>	5.2E 5.2G 11.4A 11.4C
FBD_D<55>	5.2E 5.2G 11.4A 11.4C
FBD_D<56>	5.2E 5.2G 11.4A 11.4C
FBD_D<57>	5.2E 5.3G 11.4A 11.4C
FBD_D<58>	5.2E 5.3G 11.4A 11.4C
FBD_D<59>	5.2E 5.3G 11.4A 11.4C
FBD_D<60>	5.2E 5.3G 11.4A 11.4C
FBD_D<61>	5.2E 5.3G 11.4A 11.4C
FBD_D<62>	5.2E 5.3G 11.4A 11.4C

FBD_D<63>	5.3E 5.3G 11.4A 11.4C
FBD_DEBUG	5.3E
FBD_DQM0	5.3D 5.3H<> 11.4A<>
	11.4A
FBD_DQM1	5.3D 5.3H<> 11.4B
	11.5A<>
FBD_DQM2	5.3D 5.3H<> 11.4A
	11.5A<>
FBD_DQM3	5.3D 5.3H<> 11.4B
	11.5A<>
FBD_DQM4	5.3E 5.3H<> 11.4C
	11.5A<>
FBD_DQM5	5.3E 5.3H<> 11.4C
	11.5A<>
FBD_DQM6	5.3E 5.3H<> 11.4C
	11.5A<>
FBD_DQM7	5.3E 5.3H<> 11.4C
	11.5A<>
FBD_DQS_RN0	5.3D 5.3H< 11.4A
	11.5A<
FBD_DQS_RN1	5.3D 5.3H< 11.4B
	11.5A<
FBD_DQS_RN2	5.3D 5.3H< 11.4A
	11.5A<
FBD_DQS_RN3	5.3D 5.3H< 11.4B
	11.5A<
FBD_DQS_RN4	5.3E 5.3H< 11.4C
	11.5A<
FBD_DQS_RN5	5.3E 5.3H< 11.4C
	11.5A<
FBD_DQS_RN6	5.3E 5.3H< 11.4C
	11.5A<
FBD_DQS_RN7	5.3E 5.3H< 11.4C
	11.5A<
FBD_DQS_WP0	5.3D 5.3H> 11.4A
	11.5A>
FBD_DQS_WP1	5.3D 5.3H> 11.4B
	11.5A>
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	11.5A>
FBD_DQS_WP3	5.3D 5.4H> 11.4B
	11.5A>
FBD_DQS_WP4	5.3E 5.4H> 11.4C
	11.5A>
FBD_DQS_WP5	5.3E 5.4H> 11.4C
	11.5A>
FBD_DQS_WP6	5.3E 5.4H> 11.4C
	11.5A>
FBD_DQS_WP7	5.3E 5.4H> 11.4C
	11.5A>
FBD_SEN1	11.2A
FBD_SEN2	11.2C
FBD_VREF1	11.2H 11.3B
FBD_VREF2	11.1H 11.3B 11.3D
FBD_ZQ1	11.2A
FBD_ZQ2	11.2C
FBE0_CLK0	6.4A 6.5G> 12.2A<
	12.2A 12.4G
FBE0_CLK0*	6.4A 6.5G> 12.2A<
	12.2A 12.4G
FBE0_CLK0_R	12.4H
FBE1_CLK0	6.4B 6.5G> 12.2A<
	12.2C 12.4G
FBE1_CLK0*	6.4B 6.5G> 12.2A<
	12.2C 12.4G
FBE1_CLK0_R	12.4H
FBEF_REFCLK	6.3C< 19.5D>
FBEF_REFCLK*	6.3C< 19.5D>
FBEF_VREF	12.2H<> 12.3D 13.1H<>
	13.3B
FBE_CMD<0>	6.3A 6.4F 12.1A 12.1A
	12.5A
FBE_CMD<0..28>	6.4G> 12.1A<
FBE_CMD<1>	6.3A 6.4F 12.1A 12.1A
	12.5A
FBE_CMD<2>	6.3A 6.4F 12.1A 12.1A
	12.5A
FBE_CMD<3>	6.3A 6.4F 12.1A 12.1A
	12.5A
FBE_CMD<4>	6.3A 6.4F 12.1A 12.1A
	12.5A
FBE_CMD<5>	6.3A 6.4F 12.1A 12.1A
	12.5A
FBE_CMD<6>	6.3A 6.4F 12.1A 12.2A
	12.2C 12.5F
FBE_CMD<7>	6.3A 6.4F 12.1A 12.1A
	12.1C
FBE_CMD<8>	6.3A 6.4F 12.1A 12.2A
	12.2C
FBE_CMD<9>	6.3A 6.4F 12.1A 12.1A
	12.1C
FBE_CMD<10>	6.3A 6.4F 12.1A 12.2A
	12.2C 12.5F
FBE_CMD<11>	6.4A 6.4F 12.1A 12.2A
	12.2C
FBE_CMD<12>	6.4A 6.4F 12.1A 12.1A

	12.1C
FBE_CMD<13>	6.4A 6.4F 12.1A 12.2A
	12.2C
FBE_CMD<14>	6.4A 6.4F 12.1A 12.1A
	12.1C
FBE_CMD<15>	6.4A 6.4F 12.1A 12.2A
	12.2C
FBE_CMD<16>	6.4A 6.4F 12.1A 12.1A
	12.1C
FBE_CMD<17>	6.4A 6.4F 12.1A 12.1A
	12.1C
FBE_CMD<18>	6.4A 6.4F 12.1A 12.1A
	12.1C
FBE_CMD<19>	6.4A 6.4F 12.1A 12.1A
	12.1C
FBE_CMD<20>	6.4A 6.4F 12.1A 12.1C
	12.2A
FBE_CMD<21>	6.4A 6.4F 12.1A 12.1C
	12.2A
FBE_CMD<23>	6.4A 6.4F 12.1C 12.2A
	12.5C
FBE_CMD<24>	6.4A 6.5F 12.1C 12.2A
	12.5C
FBE_CMD<25>	6.4A 6.5F 12.1C 12.2A
	12.5C
FBE_CMD<26>	6.4A 6.5F 12.1C 12.2A
	12.5C
FBE_CMD<27>	6.4A 6.5F 12.1C 12.2A
	12.5C
FBE_CMD<28>	6.4A 6.5F 12.1C 12.2A
	12.5C
FBE_D<0>	6.1A 6.1F 12.2A 12.3A
FBE_D<0..63>	6.1G> 12.2A<>
FBE_D<1>	6.1F 6.2A 12.2A 12.3A
FBE_D<2>	6.1F 6.2A 12.2A 12.3A
FBE_D<3>	6.1F 6.2A 12.2A 12.3A
FBE_D<4>	6.1F 6.2A 12.2A 12.4A
FBE_D<5>	6.1F 6.2A 12.2A 12.4A
FBE_D<6>	6.1F 6.2A 12.2A 12.4A
FBE_D<7>	6.1F 6.2A 12.3A 12.4A
FBE_D<8>	6.1F 6.2A 12.3A 12.3B
FBE_D<9>	6.1F 6.2A 12.3A 12.3B
FBE_D<10>	6.1F 6.2A 12.3A 12.3B
FBE_D<11>	6.1F 6.2A 12.3A 12.3B
FBE_D<12>	6.1F 6.2A 12.3A 12.4B
FBE_D<13>	6.1F 6.2A 12.3A 12.4B
FBE_D<14>	6.1F 6.2A 12.3A 12.4B
FBE_D<15>	6.1F 6.2A 12.3A 12.4B
FBE_D<16>	6.1F 6.2A 12.3A 12.4A
FBE_D<17>	6.1F 6.2A 12.3A 12.4A
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FBE_D<21>	6.1F 6.2A 12.3A 12.4A
FBE_D<22>	6.1F 6.2A 12.3A 12.4A
FBE_D<23>	6.1F 6.2A 12.3A 12.4A
FBE_D<24>	6.1F 6.2A 12.3A 12.4B
FBE_D<25>	6.1F 6.2A 12.3A 12.4B
FBE_D<26>	6.1F 6.2A 12.3A 12.4B
FBE_D<27>	6.2A 6.2F 12.3A 12.4B
FBE_D<28>	6.2A 6.2F 12.3A 12.4B
FBE_D<29>	6.2A 6.2F 12.3A 12.4B
FBE_D<30>	6.2A 6.2F 12.3A 12.4B
FBE_D<31>	6.2F 6.3A 12.3A 12.4B
FBE_D<32>	6.1B 6.2F 12.3A 12.3C
FBE_D<33>	6.2B 6.2F 12.3A 12.3C
FBE_D<34>	6.2B 6.2F 12.3A 12.3C
FBE_D<35>	6.2B 6.2F 12.3A 12.3C
FBE_D<36>	6.2B 6.2F 12.3A 12.4C
FBE_D<37>	6.2B 6.2F 12.4A 12.4C
FBE_D<38>	6.2B 6.2F 12.4A 12.4C
FBE_D<39>	6.2B 6.2F 12.4A 12.4C
FBE_D<40>	6.2B 6.2F 12.3C 12.4A
FBE_D<41>	6.2B 6.2F 12.3C 12.4A
FBE_D<42>	6.2B 6.2F 12.3C 12.4A
FBE_D<43>	6.2B 6.2F 12.3C 12.4A
FBE_D<44>	6.2B 6.2F 12.4A 12.4C
FBE_D<45>	6.2B 6.2F 12.4A 12.4C
FBE_D<46>	6.2B 6.2F 12.4A 12.4C
FBE_D<47>	6.2B 6.2F 12.4A 12.4C
FBE_D<48>	6.2B 6.2F 12.4A 12.4C
FBE_D<49>	6.2B 6.2F 12.4A 12.4C
FBE_D<50>	6.2B 6.2F 12.4A 12.4C
FBE_D<51>	6.2B 6.2F 12.4A 12.4C
FBE_D<52>	6.2B 6.2F 12.4A 12.4C
FBE_D<53>	6.2B 6.2F 12.4A 12.4C
FBE_D<54>	6.2B 6.2F 12.4A 12.4C
FBE_D<55>	6.2B 6.2F 12.4A 12.4C
FBE_D<56>	6.2B 6.2F 12.4A 12.4C
FBE_D<57>	6.2B 6.3F 12.4A 12.4C
FBE_D<58>	6.2B 6.3F 12.4A 12.4C
FBE_D<59>	6.2B 6.3F 12.4A 12.4C
FBE_D<60>	6.2B 6.3F 12.4A 12.4C
FBE_D<61>	6.2B 6.3F 12.4A 12.4C
FBE_D<62>	6.2B 6.3F 12.4A 12.4C
FBE_D<63>	6.3B 6.3F 12.4A 12.4C

FBE_DEBUG	6.3B
FBE_DQM0	6.3A 6.3G<> 12.4A<>
	12.4A
FBE_DQM1	6.3A 6.3G<> 12.4B
	12.5A<>
FBE_DQM2	6.3A 6.3G<> 12.4A
	12.5A<>
FBE_DQM3	6.3A 6.3G<> 12.4B
	12.5A<>
FBE_DQM4	6.3B 6.3G<> 12.4C
	12.5A<>
FBE_DQM5	6.3B 6.3G<> 12.4C
	12.5A<>
FBE_DQM6	6.3B 6.3G<> 12.4C
	12.5A<>
FBE_DQM7	6.3B 6.3G<> 12.4C
	12.5A<>
FBE_DQS_RN0	6.3A 6.3G< 12.4A
	12.5A<
FBE_DQS_RN1	6.3A 6.3G< 12.4B
	12.5A<
FBE_DQS_RN2	6.3A 6.3G< 12.4A
	12.5A<
FBE_DQS_RN3	6.3A 6.3G< 12.4B
	12.5A<
FBE_DQS_RN4	6.3B 6.3G< 12.4C
	12.5A<
FBE_DQS_RN5	6.3B 6.3G< 12.4C
	12.5A<
FBE_DQS_RN6	6.3B 6.3G< 12.4C
	12.5A<
FBE_DQS_RN7	6.3B 6.3G< 12.4C
	12.5A<
FBE_DQS_WP0	6.3A 6.3G> 12.4A
	12.5A>
FBE_DQS_WP1	6.3A 6.3G> 12.4B
	12.5A>
FBE_DQS_WP2	6.3A 6.3G> 12.4A
	12.5A>
FBE_DQS_WP3	6.3A 6.4G> 12.4B
	12.5A>
FBE_DQS_WP4	6.3B 6.4G> 12.4C
	12.5A>
FBE_DQS_WP5	6.3B 6.4G> 12.4C
	12.5A>
FBE_DQS_WP6	6.3B 6.4G> 12.4C
	12.5A>
FBE_DQS_WP7	6.3B 6.4G> 12.4C
	12.5A>
FBE_SEN1	12.2A
FBE_SEN2	12.2C
FBE_VREF1	12.2H 12.3B 12.3D
FBE_ZQ1	12.2A
FBE_ZQ2	12.2C
FBF0_CLK0	6.4D 6.5H> 13.2A<
	13.2A 13.4G
FBF0_CLK0*	6.4D 6.5H> 13.2A<
	13.2A 13.4G
FBF0_CLK0_R	13.4H
FBF1_CLK0	6.4E 6.5H> 13.2A<
	13.2C 13.4G
FBF1_CLK0*	6.4E 6.5H> 13.2A<
	13.2C 13.4G
FBF1_CLK0_R	13.4H
FBF_CMD<0>	6.3D 6.4G 13.1A 13.1A
	13.5A
FBF_CMD<0..28>	6.4H> 13.1A<
FBF_CMD<1>	6.3D 6.4G 13.1A 13.1A
	13.5A
FBF_CMD<2>	6.3D 6.4G 13.1A 13.1A
	13.5A
FBF_CMD<3>	6.3D 6.4G 13.1A 13.1A
	13.5A
FBF_CMD<4>	6.3D 6.4G 13.1A 13.1A
	13.5A
FBF_CMD<5>	6.3D 6.4G 13.1A 13.1A
	13.5A
FBF_CMD<6>	6.3D 6.4G 13.1A 13.2A
	13.2C 13.5F
FBF_CMD<7>	6.3D 6.4G 13.1A 13.1A
	13.1C
FBF_CMD<8>	6.3D 6.4G 13.1A 13.2A
	13.2C
FBF_CMD<9>	6.3D 6.4G 13.1A 13.1A
	13.1C
FBF_CMD<10>	6.3D 6.4G 13.1A 13.2A
	13.2C 13.5F
FBF_CMD<11>	6.4D 6.4G 13.1A 13.2A
	13.2C
FBF_CMD<12>	6.4D 6.4G 13.1A 13.1A
	13.1C
FBF_CMD<13>	6.4D 6.4G 13.1A 13.2A
	13.2C
FBF_CMD<14>	6.4D 6.4G 13.1A 13.1A
	13.1C
FBF_CMD<15>	6.4D 6.4G 13.1A 13.2A

	13.2C
FBF_CMD<16>	6.4D 6.4G 13.1A 13.1A
	13.1C
FBF_CMD<17>	6.4D 6.4G 13.1A 13.1A
	13.1C
FBF_CMD<18>	6.4D 6.4G 13.1A 13.1A
	13.1C
FBF_CMD<19>	6.4D 6.4G 13.1A 13.1A
	13.1C
FBF_CMD<20>	6.4D 6.4G 13.1A 13.1C
	13.2A
FBF_CMD<21>	6.4D 6.4G 13.1A 13.1C
	13.2A
FBF_CMD<23>	6.4D 6.4G 13.1C 13.2A
	13.5C
FBF_CMD<24>	6.4D 6.5G 13.1C 13.2A
	13.5C
FBF_CMD<25>	6.4D 6.5G 13.1C 13.2A
	13.5C
FBF_CMD<26>	6.4D 6.5G 13.1C 13.2A
	13.5C
FBF_CMD<27>	6.4D 6.5G 13.1C 13.2A
	13.5C
FBF_CMD<28>	6.4D 6.5G 13.1C 13.2A
	13.5C
FBF_D<0>	6.1D 6.1G 13.2A 13.3A
FBF_D<0..63>	6.1H> 13.2A<>
FBF_D<1>	6.1G 6.2D 13.2A 13.3A
FBF_D<2>	6.1G 6.2D 13.2A 13.3A
FBF_D<3>	6.1G 6.2D 13.2A 13.3A
FBF_D<4>	6.1G 6.2D 13.2A 13.4A
FBF_D<5>	6.1G 6.2D 13.2A 13.4A
FBF_D<6>	6.1G 6.2D 13.2A 13.4A
FBF_D<7>	6.1G 6.2D 13.3A 13.4A
FBF_D<8>	6.1G 6.2D 13.3A 13.3B
FBF_D<9>	6.1G 6.2D 13.3A 13.3B
FBF_D<10>	6.1G 6.2D 13.3A 13.3B
FBF_D<11>	6.1G 6.2D 13.3A 13.3B
FBF_D<12>	6.1G 6.2D 13.3A 13.4B
FBF_D<13>	6.1G 6.2D 13.3A 13.4B
FBF_D<14>	6.1G 6.2D 13.3A 13.4B
FBF_D<15>	6.1G 6.2D 13.3A 13.4B
FBF_D<16>	6.1G 6.2D 13.3A 13.4A
FBF_D<17>	6.1G 6.2D 13.3A 13.4A
FBF_D<18>	6.1G 6.2D 13.3A 13.4A
FBF_D<19>	6.1G 6.2D 13.3A 13.4A
FBF_D<20>	6.1G 6.2D 13.3A 13.4A
FBF_D<21>	6.1G 6.2D 13.3A 13.4A
FBF_D<22>	6.1G 6.2D 13.3A 13.4A
FBF_D<23>	6.1G 6.2D 13.3A 13.4A
FBF_D<24>	6.1G 6.2D 13.3A 13.4B
FBF_D<25>	6.1G 6.2D 13.3A 13.4B
FBF_D<26>	6.1G 6.2D 13.3A 13.4B
FBF_D<27>	6.2D 6.2G 13.3A 13.4B
FBF_D<28>	6.2D 6.2G 13.3A 13.4B
FBF_D<29>	6.2D 6.2G 13.3A 13.4B
FBF_D<30>	6.2D 6.2G 13.3A 13.4B
FBF_D<31>	6.2G 6.3D 13.3A 13.4B
FBF_D<32>	6.1E 6.2G 13.3A 13.3C
FBF_D<33>	6.2E 6.2G 13.3A 13.3C
FBF_D<34>	6.2E 6.2G 13.3A 13.3C
FBF_D<35>	6.2E 6.2G 13.3A 13.3C
FBF_D<36>	6.2E 6.2G 13.3A 13.4C
FBF_D<37>	6.2E 6.2G 13.4A 13.4C
FBF_D<38>	6.2E 6.2G 13.4A 13.4C
FBF_D<39>	6.2E 6.2G 13.4A 13.4C
FBF_D<40>	6.2E 6.2G 13.3C 13.4A
FBF_D<41>	6.2E 6.2G 13.3C 13.4A
FBF_D<42>	6.2E 6.2G 13.3C 13.4A
FBF_D<43>	6.2E 6.2G 13.3C 13.4A
FBF_D<44>	6.2E 6.2G 13.4A 13.4C
FBF_D<45>	6.2E 6.2G 13.4A 13.4C
FBF_D<46>	6.2E 6.2G 13.4A 13.4C
FBF_D<47>	6.2E 6.2G 13.4A 13.4C
FBF_D<48>	6.2E 6.2G 13.4A 13.4C
FBF_D<49>	6.2E 6.2G 13.4A 13.4C
FBF_D<50>	6.2E 6.2G 13.4A 13.4C
FBF_D<51>	6.2E 6.2G 13.4A 13.4C
FBF_D<52>	6.2E 6.2G 13.4A 13.4C
FBF_D<53>	6.2E 6.2G 13.4A 13.4C
FBF_D<54>	6.2E 6.2G 13.4A 13.4C
FBF_D<55>	6.2E 6.2G 13.4A 13.4C
FBF_D<56>	6.2E 6.2G 13.4A 13.4C
FBF_D<57>	6.2E 6.3G 13.4A 13.4C
FBF_D<58>	6.2E 6.3G 13.4A 13.4C
FBF_D<59>	6.2E 6.3G 13.4A 13.4C
FBF_D<60>	6.2E 6.3G 13.4A 13.4C
FBF_D<61>	6.2E 6.3G 13.4A 13.4C
FBF_D<62>	6.2E 6.3G 13.4A 13.4C
FBF_D<63>	6.3E 6.3G 13.4A 13.4C
FBF_DEBUG	6.3E
FBF_DQM0	6.3D 6.3H<> 13.4A<>
	13.4A
FBF_DQM1	6.3D 6.3H<> 13.4B
	13.5A<>
FBF_DQM2	6.3D 6.3H<> 13.4A

	13.5A<>
FBF_DQM3	6.3D 6.3H<> 13.4B
	13.5A<>
FBF_DQM4	6.3E 6.3H<> 13.4C
	13.5A<>
FBF_DQM5	6.3E 6.3H<> 13.4C
	13.5A<>
FBF_DQM6	6.3E 6.3H<> 13.4C
	13.5A<>
FBF_DQM7	6.3E 6.3H<> 13.4C
	13.5A<>
FBF_DQS_RN0	6.3D 6.3H< 13.4A
	13.5A<
FBF_DQS_RN1	6.3D 6.3H< 13.4B
	13.5A<
FBF_DQS_RN2	6.3D 6.3H< 13.4A
	13.5A<
FBF_DQS_RN3	6.3D 6.3H< 13.4B
	13.5A<
FBF_DQS_RN4	6.3E 6.3H< 13.4C
	13.5A<
FBF_DQS_RN5	6.3E 6.3H< 13.4C
	13.5A<
FBF_DQS_RN6	6.3E 6.3H< 13.4C
	13.5A<
FBF_DQS_RN7	6.3E 6.3H< 13.4C
	13.5A<
FBF_DQS_WP0	6.3D 6.3H> 13.4A
	13.5A>
FBF_DQS_WP1	6.3D 6.3H> 13.4B
	13.5A>
FBF_DQS_WP2	6.3D 6.3H> 13.4A
	13.5A>
FBF_DQS_WP3	6.3D 6.4H> 13.4B
	13.5A>
FBF_DQS_WP4	6.3E 6.4H> 13.4C
	13.5A>
FBF_DQS_WP5	6.3E 6.4H> 13.4C
	13.5A>
FBF_DQS_WP6	6.3E 6.4H> 13.4C
	13.5A>
FBF_DQS_WP7	6.3E 6.4H> 13.4C
	13.5A>
FBF_SEN1	13.2A
FBF_SEN2	13.2C
FBF_VREF1	13.2H 13.3B 13.3D
FBF_VREF2	13.2H 13.3D
FBF_ZQ1	13.2A
FBF_ZQ2	13.2C
FBG0_CLK0	7.4A 7.5G> 14.2A<
	14.2A 14.4G
FBG0_CLK0*	7.4A 7.5G> 14.2A<
	14.2A 14.4G
FBG0_CLK0_R	14.4H
FBG1_CLK0	7.4B 7.5G> 14.2A<
	14.2C 14.4G
FBG1_CLK0*	7.4B 7.5G> 14.2A<
	14.2C 14.4G
FBG1_CLK0_R	14.4H
FBGH_REFCLK	7.3C< 19.5D>
FBGH_REFCLK*	7.3C< 19.5D>
FBGH_VREF	14.2H<> 14.3D 15.1H<>
	15.3B
FBG_CMD<0>	7.3A 7.4F 14.1A 14.1A
	14.5A
FBG_CMD<0..28>	7.4G> 14.1A<
FBG_CMD<1>	7.3A 7.4F 14.1A 14.1A
	14.5A
FBG_CMD<2>	7.3A 7.4F 14.1A 14.1A
	14.5A
FBG_CMD<3>	7.3A 7.4F 14.1A 14.1A
	14.5A
FBG_CMD<4>	7.3A 7.4F 14.1A 14.1A
	14.5A
FBG_CMD<5>	7.3A 7.4F 14.1A 14.1A
	14.5A
FBG_CMD<6>	7.3A 7.4F 14.1A 14.2A
	14.2C 14.5F
FBG_CMD<7>	7.3A 7.4F 14.1A 14.1A
	14.1C
FBG_CMD<8>	7.3A 7.4F 14.1A 14.2A
	14.2C
FBG_CMD<9>	7.3A 7.4F 14.1A 14.1A
	14.1C
FBG_CMD<10>	7.3A 7.4F 14.1A 14.2A
	14.2C 14.5F
FBG_CMD<11>	7.4A 7.4F 14.1A 14.2A
	14.2C
FBG_CMD<12>	7.4A 7.4F 14.1A 14.1A
	14.1C
FBG_CMD<13>	7.4A 7.4F 14.1A 14.2A
	14.2C
FBG_CMD<14>	7.4A 7.4F 14.1A 14.1A
	14.1C
FBG_CMD<15>	7.4A 7.4F 14.1A 14.2A
	14.2C

FBG_CMD<16>	7.4A 7.4F 14.1A 14.1A
	14.1C
FBG_CMD<17>	7.4A 7.4F 14.1A 14.1A
	14.1C
FBG_CMD<18>	7.4A 7.4F 14.1A 14.1A
	14.1C
FBG_CMD<19>	7.4A 7.4F 14.1A 14.1A
	14.1C
FBG_CMD<20>	7.4A 7.4F 14.1A 14.1C
	14.2A
FBG_CMD<21>	7.4A 7.4F 14.1A 14.1C
	14.2A
FBG_CMD<23>	7.4A 7.4F 14.1C 14.2A
	14.5C
FBG_CMD<24>	7.4A 7.5F 14.1C 14.2A
	14.5C
FBG_CMD<25>	7.4A 7.5F 14.1C 14.2A
	14.5C
FBG_CMD<26>	7.4A 7.5F 14.1C 14.2A
	14.5C
FBG_CMD<27>	7.4A 7.5F 14.1C 14.2A
	14.5C
FBG_CMD<28>	7.4A 7.5F 14.1C 14.2A
	14.5C
FBG_D<0>	7.1A 7.1F 14.2A 14.3A
FBG_D<0..63>	7.1G> 14.2A<>
FBG_D<1>	7.1F 7.2A 14.2A 14.3A
FBG_D<2>	7.1F 7.2A 14.2A 14.3A
FBG_D<3>	7.1F 7.2A 14.2A 14.3A
FBG_D<4>	7.1F 7.2A 14.2A 14.4A
FBG_D<5>	7.1F 7.2A 14.2A 14.4A
FBG_D<6>	7.1F 7.2A 14.2A 14.4A
FBG_D<7>	7.1F 7.2A 14.3A 14.4A
FBG_D<8>	7.1F 7.2A 14.3A 14.3B
FBG_D<9>	7.1F 7.2A 14.3A 14.3B
FBG_D<10>	7.1F 7.2A 14.3A 14.3B
FBG_D<11>	7.1F 7.2A 14.3A 14.3B
FBG_D<12>	7.1F 7.2A 14.3A 14.4B
FBG_D<13>	7.1F 7.2A 14.3A 14.4B
FBG_D<14>	7.1F 7.2A 14.3A 14.4B
FBG_D<15>	7.1F 7.2A 14.3A 14.4B
FBG_D<16>	7.1F 7.2A 14.3A 14.4A
FBG_D<17>	7.1F 7.2A 14.3A 14.4A
FBG_D<18>	7.1F 7.2A 14.3A 14.4A
FBG_D<19>	7.1F 7.2A 14.3A 14.4A
FBG_D<20>	7.1F 7.2A 14.3A 14.4A
FBG_D<21>	7.1F 7.2A 14.3A 14.4A
FBG_D<22>	7.1F 7.2A 14.3A 14.4A
FBG_D<23>	7.1F 7.2A 14.3A 14.4A
FBG_D<24>	7.1F 7.2A 14.3A 14.4B
FBG_D<25>	7.1F 7.2A 14.3A 14.4B
FBG_D<26>	7.1F 7.2A 14.3A 14.4B
FBG_D<27>	7.2A 7.2F 14.3A 14.4B
FBG_D<28>	7.2A 7.2F 14.3A 14.4B
FBG_D<29>	7.2A 7.2F 14.3A 14.4B
FBG_D<30>	7.2A 7.2F 14.3A 14.4B
FBG_D<31>	7.2F 7.3A 14.3A 14.4B
FBG_D<32>	7.1B 7.2F 14.3A 14.3C
FBG_D<33>	7.2B 7.2F 14.3A 14.3C
FBG_D<34>	7.2B 7.2F 14.3A 14.3C
FBG_D<35>	7.2B 7.2F 14.3A 14.3C
FBG_D<36>	7.2B 7.2F 14.3A 14.4C
FBG_D<37>	7.2B 7.2F 14.4A 14.4C
FBG_D<38>	7.2B 7.2F 14.4A 14.4C
FBG_D<39>	7.2B 7.2F 14.4A 14.4C
FBG_D<40>	7.2B 7.2F 14.3C 14.4A
FBG_D<41>	7.2B 7.2F 14.3C 14.4A
FBG_D<42>	7.2B 7.2F 14.3C 14.4A
FBG_D<43>	7.2B 7.2F 14.3C 14.4A
FBG_D<44>	7.2B 7.2F 14.4A 14.4C
FBG_D<45>	7.2B 7.2F 14.4A 14.4C
FBG_D<46>	7.2B 7.2F 14.4A 14.4C
FBG_D<47>	7.2B 7.2F 14.4A 14.4C
FBG_D<48>	7.2B 7.2F 14.4A 14.4C
FBG_D<49>	7.2B 7.2F 14.4A 14.4C
FBG_D<50>	7.2B 7.2F 14.4A 14.4C
FBG_D<51>	7.2B 7.2F 14.4A 14.4C
FBG_D<52>	7.2B 7.2F 14.4A 14.4C
FBG_D<53>	7.2B 7.2F 14.4A 14.4C
FBG_D<54>	7.2B 7.2F 14.4A 14.4C
FBG_D<55>	7.2B 7.2F 14.4A 14.4C
FBG_D<56>	7.2B 7.2F 14.4A 14.4C
FBG_D<57>	7.2B 7.3F 14.4A 14.4C
FBG_D<58>	7.2B 7.3F 14.4A 14.4C
FBG_D<59>	7.2B 7.3F 14.4A 14.4C
FBG_D<60>	7.2B 7.3F 14.4A 14.4C
FBG_D<61>	7.2B 7.3F 14.4A 14.4C
FBG_D<62>	7.2B 7.3F 14.4A 14.4C
FBG_D<63>	7.3B 7.3F 14.4A 14.4C
FBG_DEBUG	7.3B
FBG_DQM0	7.3A 7.3G<> 14.4A<>
	14.4A
FBG_DQM1	7.3A 7.3G<> 14.4B
	14.5A<>
FBG_DQM2	7.3A 7.3G<> 14.4A
	14.5A<>

ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	<edit here to insert page detail>

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NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	38 OF 42
NAME	myan	DATE	14-JAN-2009

FBG_DQM3	7.3A 7.3G<> 14.4B 14.5A<>
FBG_DQM4	7.3B 7.3G<> 14.4C 14.5A<>
FBG_DQM5	7.3B 7.3G<> 14.4C 14.5A<>
FBG_DQM6	7.3B 7.3G<> 14.4C 14.5A<>
FBG_DQM7	7.3B 7.3G<> 14.4C 14.5A<>
FBG_DQS_RN0	7.3A 7.3G< 14.4A 14.5A<
FBG_DQS_RN1	7.3A 7.3G< 14.4B 14.5A<
FBG_DQS_RN2	7.3A 7.3G< 14.4A 14.5A<
FBG_DQS_RN3	7.3A 7.3G< 14.4B 14.5A<
FBG_DQS_RN4	7.3B 7.3G< 14.4C 14.5A<
FBG_DQS_RN5	7.3B 7.3G< 14.4C 14.5A<
FBG_DQS_RN6	7.3B 7.3G< 14.4C 14.5A<
FBG_DQS_RN7	7.3B 7.3G< 14.4C 14.5A<
FBG_DQS_WP0	7.3A 7.3G> 14.4A 14.5A>
FBG_DQS_WP1	7.3A 7.3G> 14.4B 14.5A>
FBG_DQS_WP2	7.3A 7.3G> 14.4A 14.5A>
FBG_DQS_WP3	7.3A 7.4G> 14.4B 14.5A>
FBG_DQS_WP4	7.3B 7.4G> 14.4C 14.5A>
FBG_DQS_WP5	7.3B 7.4G> 14.4C 14.5A>
FBG_DQS_WP6	7.3B 7.4G> 14.4C 14.5A>
FBG_DQS_WP7	7.3B 7.4G> 14.4C 14.5A>
FBG_SEN1	14.2A
FBG_SEN2	14.2C
FBG_VREF1	14.1H 14.3B
FBG_VREF2	14.2H 14.3B 14.3D
FBG_ZQ1	14.2A
FBG_ZQ2	14.2C
FBH0_CLKO	7.4D 7.5H> 15.2A 15.2A< 15.4G
FBH0_CLKO*	7.4D 7.5H> 15.2A 15.2A< 15.4G
FBH0_CLKO_R	15.4H
FBH1_CLKO	7.4E 7.5H> 15.2A< 15.2C 15.4G
FBH1_CLKO*	7.4E 7.5H> 15.2A< 15.2C 15.4G
FBH1_CLKO_R	15.4H
FBH_CMD<0>	7.3D 7.4G 15.1A 15.1A 15.5A
FBH_CMD<0..28>	7.4H> 15.1A<
FBH_CMD<1>	7.3D 7.4G 15.1A 15.1A 15.5A
FBH_CMD<2>	7.3D 7.4G 15.1A 15.1A 15.5A
FBH_CMD<3>	7.3D 7.4G 15.1A 15.1A 15.5A
FBH_CMD<4>	7.3D 7.4G 15.1A 15.1A 15.5A
FBH_CMD<5>	7.3D 7.4G 15.1A 15.1A 15.5A
FBH_CMD<6>	7.3D 7.4G 15.1A 15.2A 15.2C 15.5F
FBH_CMD<7>	7.3D 7.4G 15.1A 15.1A 15.1C
FBH_CMD<8>	7.3D 7.4G 15.1A 15.2A 15.2C
FBH_CMD<9>	7.3D 7.4G 15.1A 15.1A 15.1C
FBH_CMD<10>	7.3D 7.4G 15.1A 15.2A 15.2C 15.5F
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FBH_CMD<12>	7.4D 7.4G 15.1A 15.1A 15.1C
FBH_CMD<13>	7.4D 7.4G 15.1A 15.2A 15.2C
FBH_CMD<14>	7.4D 7.4G 15.1A 15.1A 15.1C
FBH_CMD<15>	7.4D 7.4G 15.1A 15.2A 15.2C
FBH_CMD<16>	7.4D 7.4G 15.1A 15.1A 15.1C
FBH_CMD<17>	7.4D 7.4G 15.1A 15.1A 15.1C
FBH_CMD<18>	7.4D 7.4G 15.1A 15.1A

	15.1C
FBH_CMD<19>	7.4D 7.4G 15.1A 15.1A 15.1C
FBH_CMD<20>	7.4D 7.4G 15.1A 15.1C 15.2A
FBH_CMD<21>	7.4D 7.4G 15.1A 15.1C 15.2A
FBH_CMD<23>	7.4D 7.4G 15.1C 15.2A 15.5C
FBH_CMD<24>	7.4D 7.5G 15.1C 15.2A 15.5C
FBH_CMD<25>	7.4D 7.5G 15.1C 15.2A 15.5C
FBH_CMD<26>	7.4D 7.5G 15.1C 15.2A 15.5C
FBH_CMD<27>	7.4D 7.5G 15.1C 15.2A 15.5C
FBH_CMD<28>	7.4D 7.5G 15.1C 15.2A 15.5C
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FBH_D<2>	7.1G 7.2D 15.2A 15.3A
FBH_D<3>	7.1G 7.2D 15.2A 15.3A
FBH_D<4>	7.1G 7.2D 15.2A 15.4A
FBH_D<5>	7.1G 7.2D 15.2A 15.4A
FBH_D<6>	7.1G 7.2D 15.2A 15.4A
FBH_D<7>	7.1G 7.2D 15.3A 15.4A
FBH_D<8>	7.1G 7.2D 15.3A 15.3B
FBH_D<9>	7.1G 7.2D 15.3A 15.3B
FBH_D<10>	7.1G 7.2D 15.3A 15.3B
FBH_D<11>	7.1G 7.2D 15.3A 15.3B
FBH_D<12>	7.1G 7.2D 15.3A 15.4B
FBH_D<13>	7.1G 7.2D 15.3A 15.4B
FBH_D<14>	7.1G 7.2D 15.3A 15.4B
FBH_D<15>	7.1G 7.2D 15.3A 15.4B
FBH_D<16>	7.1G 7.2D 15.3A 15.4A
FBH_D<17>	7.1G 7.2D 15.3A 15.4A
FBH_D<18>	7.1G 7.2D 15.3A 15.4A
FBH_D<19>	7.1G 7.2D 15.3A 15.4A
FBH_D<20>	7.1G 7.2D 15.3A 15.4A
FBH_D<21>	7.1G 7.2D 15.3A 15.4A
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FBH_D<23>	7.1G 7.2D 15.3A 15.4A
FBH_D<24>	7.1G 7.2D 15.3A 15.4B
FBH_D<25>	7.1G 7.2D 15.3A 15.4B
FBH_D<26>	7.1G 7.2D 15.3A 15.4B
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FBH_D<28>	7.2D 7.2G 15.3A 15.4B
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FBH_D<42>	7.2E 7.2G 15.3C 15.4A
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FBH_D<44>	7.2E 7.2G 15.4A 15.4C
FBH_D<45>	7.2E 7.2G 15.4A 15.4C
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FBH_D<47>	7.2E 7.2G 15.4A 15.4C
FBH_D<48>	7.2E 7.2G 15.4A 15.4C
FBH_D<49>	7.2E 7.2G 15.4A 15.4C
FBH_D<50>	7.2E 7.2G 15.4A 15.4C
FBH_D<51>	7.2E 7.2G 15.4A 15.4C
FBH_D<52>	7.2E 7.2G 15.4A 15.4C
FBH_D<53>	7.2E 7.2G 15.4A 15.4C
FBH_D<54>	7.2E 7.2G 15.4A 15.4C
FBH_D<55>	7.2E 7.2G 15.4A 15.4C
FBH_D<56>	7.2E 7.2G 15.4A 15.4C
FBH_D<57>	7.2E 7.3G 15.4A 15.4C
FBH_D<58>	7.2E 7.3G 15.4A 15.4C
FBH_D<59>	7.2E 7.3G 15.4A 15.4C
FBH_D<60>	7.2E 7.3G 15.4A 15.4C
FBH_D<61>	7.2E 7.3G 15.4A 15.4C
FBH_D<62>	7.2E 7.3G 15.4A 15.4C
FBH_D<63>	7.3E 7.3G 15.4A 15.4C
FBH_DEBUG	7.3E
FBH_DQM0	7.3D 7.3H<> 15.4A 15.4A<>
FBH_DQM1	7.3D 7.3H<> 15.4B 15.5A<>
FBH_DQM2	7.3D 7.3H<> 15.4A 15.5A<>
FBH_DQM3	7.3D 7.3H<> 15.4B 15.5A<>
FBH_DQM4	7.3E 7.3H<> 15.4C 15.5A<>
FBH_DQM5	7.3E 7.3H<> 15.4C

	15.5A<>
FBH_DQM6	7.3E 7.3H<> 15.4C 15.5A<>
FBH_DQM7	7.3E 7.3H<> 15.4C 15.5A<>
FBH_DQS_RN0	7.3D 7.3H< 15.4A 15.5A<
FBH_DQS_RN1	7.3D 7.3H< 15.4B 15.5A<
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FBH_DQS_RN3	7.3D 7.3H< 15.4B 15.5A<
FBH_DQS_RN4	7.3E 7.3H< 15.4C 15.5A<
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FBH_DQS_RN6	7.3E 7.3H< 15.4C 15.5A<
FBH_DQS_RN7	7.3E 7.3H< 15.4C 15.5A<
FBH_DQS_WP0	7.3D 7.3H> 15.4A 15.5A>
FBH_DQS_WP1	7.3D 7.3H> 15.4B 15.5A>
FBH_DQS_WP2	7.3D 7.3H> 15.4A 15.5A>
FBH_DQS_WP3	7.3D 7.4H> 15.4B 15.5A>
FBH_DQS_WP4	7.3E 7.4H> 15.4C 15.5A>
FBH_DQS_WP5	7.3E 7.4H> 15.4C 15.5A>
FBH_DQS_WP6	7.3E 7.4H> 15.4C 15.5A>
FBH_DQS_WP7	7.3E 7.4H> 15.4C 15.5A>
FBH_SEN1	15.2A
FBH_SEN2	15.2C
FBH_VREF1	15.2H 15.3B 15.3D
FBH_VREF2	15.2H 15.3D
FBH_ZQ1	15.2A
FBH_ZQ2	15.2C
FBVDDQ_SENSE	28.5D> 31.2A<
FB_CAL_PD_VDDQ	4.4C
FB_CAL_PU_GND	4.5C
FB_CAL_TERM_GND	4.5C
GPIO0_DVIA_HPD	23.4D> 26.3E<
GPIO0_DVIA_HPD_CON	23.4F
GPIO0_DVIA_HPD_R	23.4E
GPIO1_DVIB_HPD	24.4D> 26.3E<
GPIO1_DVIB_HPD_CON	24.4F
GPIO1_DVIB_HPD_R	24.4E
GPIO4_NVVDD_VID1	26.3E> 32.3B<
GPIO5_NVVDD_VID2	26.3E> 32.3B<
GPIO6_NVVDD_VID3	26.3E> 32.3B<
GPIO7_NVVDD_VID4	26.3E> 31.3A< 32.3B<
GPIO9_THERM_ALERT*	26.3E< 29.3H>
GPIO11_RASTERSYNC1	25.3E<> 26.3E<>
GPIO14_RASTERSYNC2	25.4E<> 26.3E<>
GPIO15_SWAPRDY	25.4E<> 26.3F<>
GPU_BUFCLK_IN	19.4D
GPU_CLK	19.4B
GPU_CLK*	19.4B
GPU_HOT_RESET*	19.4D
GPU_PEX_PWR_GOOD*	19.4D
GPU_PMC_ISO_RESET*	19.4D
GPU_TESTMODE	28.4G
GV_RX0	19.3D
GV_RX0*	19.3D
GV_RX1	19.3D
GV_RX1*	19.3D
GV_RX2	19.3D
GV_RX2*	19.3D
GV_RX3	19.3D
GV_RX3*	19.3D
GV_RXCLK	19.4D
GV_RXCLK*	19.4D
GV_RXCTL	19.4D
GV_RXCTL*	19.4D
GV_RX_RSET_VDD	19.3C
GV_TX0	19.1D
GV_TX0*	19.1D
GV_TX1	19.1D
GV_TX1*	19.1D
GV_TX2	19.1D
GV_TX2*	19.1D
GV_TX3	19.1D
GV_TX3*	19.1D
GV_TX4	19.1D
GV_TX4*	19.1D
GV_TX5	19.1D
GV_TX5*	19.1D
GV_TX6	19.1D
GV_TX6*	19.2D
GV_TX7	19.2D

GV_TX7*	19.2D
GV_TX8	19.2D
GV_TX8*	19.2D
GV_TX9	19.2D
GV_TX9*	19.2D
GV_TX10	19.2D
GV_TX10*	19.2D
GV_TX11	19.2D
GV_TX11*	19.2D
GV_TX12	19.2D
GV_TX12*	19.2D
GV_TX13	19.2D
GV_TX13*	19.2D
GV_TX14	19.2D
GV_TX14*	19.2D
GV_TX15	19.2D
GV_TX15*	19.2D
GV_TX16	19.2D
GV_TX16*	19.3D
GV_TX17	19.3D
GV_TX17*	19.3D
GV_TX18	19.3D
GV_TX18*	19.3D
GV_TX19	19.3D
GV_TX19*	19.3D
GV_TXCLK	19.3D
GV_TXCLK*	19.3D
GV_TXCTL	19.3D
GV_TXCTL*	19.3D
GV_TX_RSET_GND	19.3C
I2C1_SCL	20.3C
I2C1_SCL_CON	20.1H> 24.3G<
I2C1_SCL_R	20.1D
I2C1_SDA	20.3C
I2C1_SDA_CON	20.1H<> 24.3G<
I2C1_SDA_R	20.1D
I2C2_SCL	21.3C
I2C2_SCL_CON	21.1H> 23.3G<
I2C2_SCL_R	21.1D
I2C2_SDA	21.3C
I2C2_SDA_CON	21.1H<> 23.3G<
I2C2_SDA_R	21.1D
I2C3_SCL	26.2E> 29.3D<
I2C3_SDA	26.2E<> 29.3D<>
I2C4_SCL	26.2D
I2C4_SDA	26.2D
IFPAB_IOVDD	23.3B
IFPAB_RSET	23.2B
IFPA_TXC	23.2E
IFPA_TXC*	23.2E
IFPA_TXD0	23.3E
IFPA_TXD0*	23.2E
IFPA_TXD1	23.3E
IFPA_TXD1*	23.3E
IFPA_TXD2	23.3E
IFPA_TXD2*	23.3E
IFPB_TXD4	23.3E
IFPB_TXD4*	23.3E
IFPB_TXD5	23.3E
IFPB_TXD5*	23.3E
IFPB_TXD6	23.3E
IFPB_TXD6*	23.3E
IFPCD_IOVDD	24.3B
IFPCD_RSET	24.2B
IFPC_TXC	24.2E
IFPC_TXC*	24.2E
IFPC_TXD0	24.3E
IFPC_TXD0*	24.2E
IFPC_TXD1	24.3E
IFPC_TXD1*	24.3E
IFPC_TXD2	24.3E
IFPC_TXD2*	24.3E
IFPD_TXD4	24.3E
IFPD_TXD4*	24.3E
IFPD_TXD5	24.3E
IFPD_TXD5*	24.3E
IFPD_TXD6	24.3E
IFPD_TXD6*	24.3E
IFP_IOVDD_EN	29.1G
INPUT_GRE_LED_CA	35.4C
INPUT_GRE_LED_ON	35.5A
INPUT_GRE_LED_R	35.4B
INPUT_LED_AN	35.4C
INPUT_RED_LED_CA	35.4C
INPUT_RED_LED_ON	35.4A
INPUT_RED_LED_R	35.4B
JTAG_NVIOTDI_GPUTDO	3.1E
JTAG_TCK	3.1D
JTAG_TDI	3.1D
JTAG_TDO	3.1D
JTAG_TMS	3.1D
JTAG_TRST*	3.1D
JTAG_TRST2	3.1G
JTAG_TRST_3V3	3.1G
JTAG_TRST_3V3*	3.1G

MIOA_CTL3	27.2C 27.4D
MIOB_CTL3	27.3C 27.3D
NVIO_CLK_RSET_GND	19.5B
NVIO_EXT_REFCLKA	26.3D
NVIO_EXT_REFCLKA_R	25.3F<> 26.3F<>
NVIO_EXT_REFCLKB	26.3D
NVIO_EXT_REFCLKB_R	25.4F<> 26.3F<>
NVIO_FAN_PWM	26.3E> 29.4F<
NVIO_GVDR_RX_RSET_GND	19.3F
NVIO_GVDR_TX_RSET_GND	19.3F
NVIO_TESTMODE	26.3B
NVVDD_SENSE	28.5D> 32.4F< 32.4F<
NVVDD_SENSE_GND	28.5D> 32.4F< 32.4F<
PEX_PRSNT*	3.1A
PEX_REFCLK	3.2B
PEX_REFCLK*	3.2B
PEX_RST*	3.2C> 26.2B< 29.2E<
PEX_RST_Q	29.1F
PEX_RST_R*	29.1F
PEX_RX0	3.2B
PEX_RX0*	3.2B
PEX_RX1	3.2B
PEX_RX1*	3.2B
PEX_RX2	3.3B
PEX_RX2*	3.3B
PEX_RX3	3.3B
PEX_RX3*	3.3B
PEX_RX4	3.3B
PEX_RX4*	3.3B
PEX_RX5	3.3B
PEX_RX5*	3.3B
PEX_RX6	3.3B
PEX_RX6*	3.3B
PEX_RX7	3.4B
PEX_RX7*	3.4B
PEX_RX8	3.4B
PEX_RX8*	3.4B
PEX_RX9	3.4B
PEX_RX9*	3.4B
PEX_RX10	3.4B
PEX_RX10*	3.4B
PEX_RX11	3.4B
PEX_RX11*	3.4B
PEX_RX12	3.5B
PEX_RX12*	3.5B
PEX_RX13	3.5B
PEX_RX13*	3.5B
PEX_RX14	3.5B
PEX_RX14*	3.5B
PEX_RX15	3.5B
PEX_RX15*	3.5B
PEX_TSTCLK_OUT	3.4F
PEX_TSTCLK_OUT*	3.4F
PEX_TX0	3.2E
PEX_TX0*	3.2E
PEX_TX1	3.2E
PEX_TX1*	3.2E
PEX_TX2	3.2E
PEX_TX2*	3.2E
PEX_TX3	3.3E
PEX_TX3*	3.3E
PEX_TX4	3.3E
PEX_TX4*	3.3E
PEX_TX5	3.3E
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PEX_TX14*	3.5E
PEX_TX15	3.5E
PEX_TX15*	3.5E
PEX_TX_C0	3.2C
PEX_TX_C0*	3.2C
PEX_TX_C1	3.2C
PEX_TX_C1*	3.2C
PEX_TX_C2	3.2C
PEX_TX_C2*	3.2C
PEX_TX_C3	3.3C
PEX_TX_C3*	3.3C
PEX_TX_C4	3.3C

PEX_TX_C4*	3.3C
PEX_TX_C5	3.3C
PEX_TX_C5*	3.3C
PEX_TX_C6	3.3C
PEX_TX_C6*	3.3C
PEX_TX_C7	3.3C
PEX_TX_C7*	3.3C
PEX_TX_C8	3.4C
PEX_TX_C8*	3.4C
PEX_TX_C9	3.4C
PEX_TX_C9*	3.4C
PEX_TX_C10	3.4C
PEX_TX_C10*	3.4C
PEX_TX_C11	3.4C
PEX_TX_C11*	3.4C
PEX_TX_C12	3.4C
PEX_TX_C12*	3.4C
PEX_TX_C13	3.5C
PEX_TX_C13*	3.5C
PEX_TX_C14	3.5C
PEX_TX_C14*	3.5C
PEX_TX_C15	3.5C
PEX_TX_C15*	3.5C
PS1_1V15_BOOT	30.3D
PS1_1V15_CP	30.4D
PS1_1V15_CP_RC	30.4D
PS1_1V15_EN*	30.4B
PS1_1V15_FB_R	30.4D
PS1_1V15_FB_RC	30.4G
PS1_1V15_FS	30.4C
PS1_1V15_LG	30.4D
PS1_1V15_PH	30.4D
PS1_1V15_PH_RC	30.4F
PS1_1V15_UG	30.3D
PS1_1V15_UG_R	30.3E
PS1_2V5_LDO_DR	30.3C
PS1_2V5_LDO_FB	30.4C
PS1_2V5_LDO_RC	30.4B
PS1_PVCC	30.3D
PS1_VCC	30.3D
PS1_VCC12	30.3C
PS3_FBVDDQ_BOOT1	31.2C
PS3_FBVDDQ_BOOT2	31.3C
PS3_FBVDDQ_CP	31.2B
PS3_FBVDDQ_CP_RC	31.2B
PS3_FBVDDQ_EN*	31.3B
PS3_FBVDDQ_FB	31.2B
PS3_FBVDDQ_FB_RC	31.2B
PS3_FBVDDQ_FS	31.3B
PS3_FBVDDQ_IDES	31.3C
PS3_FBVDDQ_LG1	31.2C
PS3_FBVDDQ_LG2	31.3C
PS3_FBVDDQ_MODE	31.2B
PS3_FBVDDQ_PH1	31.2C
PS3_FBVDDQ_PH1_RC	31.2F
PS3_FBVDDQ_PH2	31.3C
PS3_FBVDDQ_PH2_RC	31.3F
PS3_FBVDDQ_PVCC9	31.2B
PS3_FBVDDQ_SS	31.3B
PS3_FBVDDQ_UG1	31.2C
PS3_FBVDDQ_UG1_R	31.2D
PS3_FBVDDQ_UG2	31.3C
PS3_FBVDDQ_UG2_R	31.3D
PS3_FBVDDQ_VCC9	31.1B
PS3_FBVDDQ_VCC12	31.2C
PS4_BOOT1	32.4B> 33.2B<
PS4_BOOT2	32.4B> 33.3B<
PS4_BOOT3	32.5B> 33.5B<
PS4_BOOT4	32.4B> 34.2B<
PS4_BOOT5	32.4B> 34.3B<
PS4_BOOT6	32.5B> 34.5B<
PS4_ISEN1_F	32.1G
PS4_ISEN2_F	32.2G
PS4_ISEN3_F	32.3G
PS4_ISEN4_F	32.3G
PS4_ISEN5_F	32.4G
PS4_ISEN6_F	32.4G
PS4_LG1	33.2B
PS4_LG2	33.3B
PS4_LG3	33.5B
PS4_LG4	34.2B
PS4_LG5	34.3B
PS4_LG6	34.5B
PS4_NVVDD_COMP	32.2D
PS4_NVVDD_COMP_RC	32.2D
PS4_NVVDD_DRV_EN1	32.1F> 33.2A< 33.3A 33.4A
PS4_NVVDD_DRV_EN2	32.1F> 32.5F 34.1A< 34.3A 34.4A
PS4_NVVDD_FB	32.2D
PS4_NVVDD_FS	32.3F
PS4_NVVDD_IDES	32.3F
PS4_NVVDD_ISEN1	32.2F
PS4_NVVDD_ISEN1*	32.2F
PS4_NVVDD_ISEN2	32.2F
PS4_NVVDD_ISEN2*	32.2F

PS4_NVVDD_ISEN3	32.2F
PS4_NVVDD_ISEN3*	32.2F
PS4_NVVDD_ISEN4	32.2F
PS4_NVVDD_ISEN4*	32.2F
PS4_NVVDD_ISEN5	32.3F
PS4_NVVDD_ISEN5*	32.3F
PS4_NVVDD_ISEN6	32.3F
PS4_NVVDD_ISEN6*	32.3F
PS4_NVVDD_PGOOD	31.3A< 32.2D>
PS4_NVVDD_PWM1	32.1E 32.2G> 33.1A<
PS4_NVVDD_PWM2	32.1E 32.2G> 33.3A<
PS4_NVVDD_PWM3	32.1E 32.2G> 33.4A<
PS4_NVVDD_PWM4	32.1E 32.2G> 32.5F 34.1A<
PS4_NVVDD_PWM5	32.1E 32.1F 32.2G> 34.3A<
PS4_NVVDD_PWM6	32.1E 32.1F 32.2G> 34.4A<
PS4_NVVDD_SS	32.3F
PS4_NVVDD_TCOMP	32.3D
PS4_NVVDD_TMON	32.2D
PS4_NVVDD_VDIFF	32.2D
PS4_NVVDD_VID1	32.3D
PS4_NVVDD_VID2	32.3D
PS4_NVVDD_VID3	32.3D
PS4_NVVDD_VID4	32.3D
PS4_NVVDD_VREF_IN	32.3D
PS4_NVVDD_VREF_OUT	32.3D
PS4_PHASE1	32.1H< 33.1E>
PS4_PHASE2	32.2H< 33.3E>
PS4_PHASE3	32.2H< 33.4E>
PS4_PHASE4	32.3H< 34.1E>
PS4_PHASE5	32.4H< 34.3E>
PS4_PHASE6	32.4H< 34.4E>
PS4_RC1	33.2D
PS4_RC2	33.3D
PS4_RC3	33.5D
PS4_RC4	34.2D
PS4_RC5	34.3D
PS4_RC6	34.5D
PS4_UG1	33.1B
PS4_UG1_R	33.1B
PS4_UG2	33.3B
PS4_UG2_R	33.3B
PS4_UG3	33.4B
PS4_UG3_R	33.4B
PS4_UG4	34.1B
PS4_UG4_R	34.1B
PS4_UG5	34.3B
PS4_UG5_R	34.3B
PS4_UG6	34.4B
PS4_UG6_R	34.4B
PS_5V_ADJ	30.2B
PS_5V_PWM_FB	30.2G
PS_NVVDD_3PHASE_MODE	32.5D
PS_NVVDD_FS_SW	32.4F
PS_NVVDD_FS_SW_Q	32.4D
PS_NVVDD_PWM4_SW	32.4E
PS_NVVDD_PWM4_SW_R	32.5D
PS_VIN_3V3_SEN	32.2C
PS_VIN_PEX6A_SEN	32.2D
PS_VIN_PEX6B_SEN	32.1D
ROM_CS*	26.3B
SNN_3V3_AUX	3.1A
SNN_7473_1	29.5E
SNN_7473_2	29.5E
SNN_DACB_CSYNC	22.3C
SNN_DACB_HSYNC	22.3C
SNN_DACB_VSYNC	22.3C
SNN_DVIA_CLK	27.4C
SNN_DVIA_CTL0	27.4C
SNN_DVIA_CTL1	27.4C
SNN_DVIA_CTL2	27.4C
SNN_DVIA_D4	27.4C
SNN_DVIA_D5	27.4C
SNN_DVIA_D6	27.4C
SNN_DVIB_CLK	27.5C
SNN_DVIB_CTL0	27.5C
SNN_DVIB_CTL1	27.5C
SNN_DVIB_CTL2	27.5C
SNN_DVIB_D0	27.5C
SNN_DVIB_D1	27.5C
SNN_DVIB_D2	27.5C
SNN_DVIB_D3	27.5C
SNN_DVIB_D4	27.5C
SNN_DVIB_D5	27.5C
SNN_DVIB_D6	27.5C
SNN_DVIB_D7	27.5C
SNN_FBA0_CLK1	4.4A
SNN_FBA0_CLK1*	4.4A
SNN_FBA1_CLK1	4.4B
SNN_FBA1_CLK1*	4.4B
SNN_FBA_CMD<22>	4.3A
SNN_FBA_CMD<29>	4.4A
SNN_FBA_CMD<30>	4.4A

ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
PAGE DETAIL	<edit here to insert page detail>

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NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	39 OF 42
NAME	myan	DATE	14-JAN-2009

SNN_FBA_CMD<31>	4.4A
SNN_FBA_CMD<32>	4.4A
SNN_FBA_DBI0	28.1E
SNN_FBA_DBI1	28.1E
SNN_FBA_DBI2	28.1E
SNN_FBA_DBI3	28.1E
SNN_FBA_DBI4	28.1E
SNN_FBA_DBI5	28.1E
SNN_FBA_DBI6	28.1E
SNN_FBA_DBI7	28.2E
SNN_FBA_NC01	8.2A
SNN_FBA_NC04	8.2C
SNN_FBB0_CLK1	4.4D
SNN_FBB0_CLK1*	4.4D
SNN_FBB1_CLK1	4.4E
SNN_FBB1_CLK1*	4.4E
SNN_FBB_CMD<22>	4.3D
SNN_FBB_CMD<29>	4.4D
SNN_FBB_CMD<30>	4.4D
SNN_FBB_CMD<31>	4.4D
SNN_FBB_CMD<32>	4.4D
SNN_FBB_DBI0	28.2E
SNN_FBB_DBI1	28.2E
SNN_FBB_DBI2	28.2E
SNN_FBB_DBI3	28.2E
SNN_FBB_DBI4	28.2E
SNN_FBB_DBI5	28.2E
SNN_FBB_DBI6	28.2E
SNN_FBB_DBI7	28.2E
SNN_FBB_NC01	9.2A
SNN_FBB_NC04	9.2C
SNN_FBC0_CLK1	5.4A
SNN_FBC0_CLK1*	5.4A
SNN_FBC1_CLK1	5.4B
SNN_FBC1_CLK1*	5.4B
SNN_FBC_CMD<22>	5.4A
SNN_FBC_CMD<29>	5.4A
SNN_FBC_CMD<30>	5.4A
SNN_FBC_CMD<31>	5.4A
SNN_FBC_CMD<32>	5.4A
SNN_FBC_DBI0	28.2E
SNN_FBC_DBI1	28.2E
SNN_FBC_DBI2	28.2E
SNN_FBC_DBI3	28.2E
SNN_FBC_DBI4	28.2E
SNN_FBC_DBI5	28.2E
SNN_FBC_DBI6	28.2E
SNN_FBC_DBI7	28.2E
SNN_FBC_NC01	10.2A
SNN_FBC_NC04	10.2C
SNN_FBD0_CLK1	5.4D
SNN_FBD0_CLK1*	5.4D
SNN_FBD1_CLK1	5.4E
SNN_FBD1_CLK1*	5.4E
SNN_FBD_CMD<22>	5.4D
SNN_FBD_CMD<29>	5.4D
SNN_FBD_CMD<30>	5.4D
SNN_FBD_CMD<31>	5.4D
SNN_FBD_CMD<32>	5.4D
SNN_FBD_DBI0	28.2E
SNN_FBD_DBI1	28.2E
SNN_FBD_DBI2	28.2E
SNN_FBD_DBI3	28.2E
SNN_FBD_DBI4	28.2E
SNN_FBD_DBI5	28.2E
SNN_FBD_DBI6	28.2E
SNN_FBD_DBI7	28.2E
SNN_FBD_NC01	11.2A
SNN_FBD_NC04	11.2C
SNN_FBE0_CLK1	6.4A
SNN_FBE0_CLK1*	6.4A
SNN_FBE1_CLK1	6.4B
SNN_FBE1_CLK1*	6.4B
SNN_FBE_CMD<22>	6.4A
SNN_FBE_CMD<29>	6.4A
SNN_FBE_CMD<30>	6.4A
SNN_FBE_CMD<31>	6.4A
SNN_FBE_CMD<32>	6.4A
SNN_FBE_DBI0	28.2E
SNN_FBE_DBI1	28.3E
SNN_FBE_DBI2	28.3E
SNN_FBE_DBI3	28.3E
SNN_FBE_DBI4	28.3E
SNN_FBE_DBI5	28.3E
SNN_FBE_DBI6	28.3E
SNN_FBE_DBI7	28.3E
SNN_FBE_NC01	12.2A
SNN_FBE_NC04	12.2C
SNN_FBF0_CLK1	6.4D
SNN_FBF0_CLK1*	6.4D
SNN_FBF1_CLK1	6.4E
SNN_FBF1_CLK1*	6.4E
SNN_FBF_CMD<22>	6.4D
SNN_FBF_CMD<29>	6.4D
SNN_FBF_CMD<30>	6.4D
SNN_FBF_CMD<31>	6.4D
SNN_FBF_CMD<32>	6.4D
SNN_FBF_DBI0	28.3E
SNN_FBF_DBI1	28.3E
SNN_FBF_DBI2	28.3E
SNN_FBF_DBI3	28.3E
SNN_FBF_DBI4	28.3E
SNN_FBF_DBI5	28.3E
SNN_FBF_DBI6	28.3E
SNN_FBF_DBI7	28.3E
SNN_FBF_NC01	13.2A
SNN_FBF_NC04	13.2C
SNN_FBG0_CLK1	7.4A
SNN_FBG0_CLK1*	7.4A
SNN_FBG1_CLK1	7.4B
SNN_FBG1_CLK1*	7.4B
SNN_FBG_CMD<22>	7.4A
SNN_FBG_CMD<29>	7.4A
SNN_FBG_CMD<30>	7.4A
SNN_FBG_CMD<31>	7.4A
SNN_FBG_CMD<32>	7.4A
SNN_FBG_DBI0	28.3E
SNN_FBG_DBI1	28.3E
SNN_FBG_DBI2	28.3E
SNN_FBG_DBI3	28.3E
SNN_FBG_DBI4	28.3E
SNN_FBG_DBI5	28.3E
SNN_FBG_DBI6	28.3E
SNN_FBG_DBI7	28.3E
SNN_FBG_NC01	14.2A
SNN_FBG_NC04	14.2C
SNN_FBH0_CLK1	7.4D
SNN_FBH0_CLK1*	7.4D
SNN_FBH1_CLK1	7.4E
SNN_FBH1_CLK1*	7.4E
SNN_FBH_CMD<22>	7.4D
SNN_FBH_CMD<29>	7.4D
SNN_FBH_CMD<30>	7.4D
SNN_FBH_CMD<31>	7.4D
SNN_FBH_CMD<32>	7.4D
SNN_FBH_DBI0	28.3E
SNN_FBH_DBI1	28.3E
SNN_FBH_DBI2	28.3E
SNN_FBH_DBI3	28.3E
SNN_FBH_DBI4	28.4E
SNN_FBH_DBI5	28.4E
SNN_FBH_DBI6	28.4E
SNN_FBH_DBI7	28.4E
SNN_FBH_NC01	15.2A
SNN_FBH_NC04	15.2C
SNN_FBVDDQ_MSUR	28.5D
SNN_FBVDDQ_MSUR_GN D	28.5D
SNN_FBVDDQ_NC1	31.3C
SNN_FBVDDQ_SENSE_G ND	28.5D
SNN_FBVDDQ_VREF_IN	31.3B
SNN_FB_VREF0	4.5C
SNN_FB_VREF1	4.5C
SNN_GPIO2	26.3D
SNN_GPIO3	26.3D
SNN_GPIO8	26.3D
SNN_GPIO10	26.3D
SNN_GPIO12	26.3D
SNN_GPIO13	26.3D
SNN_GPIO16	26.3D
SNN_GPU_BUFRST*	3.5F
SNN_GPU_NC_1	28.1G
SNN_GPU_NC_2	28.1G
SNN_GPU_NC_3	28.1G
SNN_GPU_NC_4	28.1G
SNN_GPU_NC_5	28.1G
SNN_GPU_NC_6	28.1G
SNN_GPU_NC_7	28.1G
SNN_GPU_NC_8	28.2G
SNN_GPU_NC_9	28.2G
SNN_GPU_NC_10	28.2G
SNN_GPU_NC_11	28.2G
SNN_GPU_NC_12	28.2G
SNN_GPU_NC_13	28.2G
SNN_GPU_NC_14	28.2G
SNN_GPU_NC_15	28.2G
SNN_GPU_NC_16	28.2G
SNN_GPU_NC_17	28.2G
SNN_GPU_NC_18	28.2G
SNN_GPU_NC_19	28.2G
SNN_GPU_NC_20	28.2G
SNN_GPU_NC_21	28.2G
SNN_GPU_NC_22	28.2G
SNN_GPU_NC_23	28.2G
SNN_GPU_NC_24	28.2G
SNN_GPU_NC_25	28.2G
SNN_GPU_NC_26	28.2G
SNN_GPU_NC_27	28.2G
SNN_GPU_NC_28	28.2G
SNN_GPU_NC_29	28.2G
SNN_GPU_NC_30	28.2G
SNN_GPU_NC_31	28.2G
SNN_GPU_NC_32	28.2G
SNN_GPU_NC_33	28.2G
SNN_GPU_NC_34	28.2G
SNN_GPU_NC_35	28.3G
SNN_GPU_NC_36	28.3G
SNN_GPU_NC_37	28.3G
SNN_GPU_NC_38	28.3G
SNN_GPU_NC_39	28.3G
SNN_GPU_NC_40	28.3G
SNN_HDCP_A1	26.2H
SNN_HDCP_A2	26.2H
SNN_I2C0_SCL	26.2D
SNN_I2C0_SDA	26.2D
SNN_I2CS_SCL	3.1B
SNN_I2CS_SCL_GPU	3.1E
SNN_I2CS_SDA	3.2B
SNN_I2CS_SDA_GPU	3.2E
SNN_IFPAB_VPROBE	23.2B
SNN_IFPA_TXD3	23.3E
SNN_IFPA_TXD3*	23.3E
SNN_IFPB_TXC	23.3E
SNN_IFPB_TXC*	23.3E
SNN_IFPB_TXD7	23.4E
SNN_IFPB_TXD7*	23.4E
SNN_IFPCD_VPROBE	24.2B
SNN_IFPC_TXD3	24.3E
SNN_IFPC_TXD3*	24.3E
SNN_IFPD_TXC	24.3E
SNN_IFPD_TXC*	24.3E
SNN_IFPD_TXD7	24.4E
SNN_IFPD_TXD7*	24.4E
SNN_MIOA<0>	27.1C
SNN_MIOA<1>	27.1C
SNN_MIOA<2>	27.1C
SNN_MIOA<3>	27.1C
SNN_MIOA<4>	27.1C
SNN_MIOA<5>	27.1C
SNN_MIOA<6>	27.1C
SNN_MIOA<7>	27.1C
SNN_MIOA<8>	27.1C
SNN_MIOA<9>	27.1C
SNN_MIOA<10>	27.1C
SNN_MIOA<11>	27.1C
SNN_MIOA<12>	27.1C
SNN_MIOA<13>	27.1C
SNN_MIOA<14>	27.1C
SNN_MIOA_CAL_PD_VD DQ	27.2B
SNN_MIOA_CAL_PU_GN D	27.2B
SNN_MIOA_CLKOUT	27.2C
SNN_MIOA_CLKOUT*	27.2C
SNN_MIOA_DE	27.2C
SNN_MIOA_HSYNC	27.2C
SNN_MIOA_VREF	27.2B
SNN_MIOA_VSYNC	27.2C
SNN_MIOB<0>	27.3C
SNN_MIOB<1>	27.3C
SNN_MIOB<2>	27.3C
SNN_MIOB<3>	27.3C
SNN_MIOB<4>	27.3C
SNN_MIOB<5>	27.3C
SNN_MIOB<6>	27.3C
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SNN_MIOB<8>	27.3C
SNN_MIOB<9>	27.3C
SNN_MIOB<10>	27.3C
SNN_MIOB<11>	27.3C
SNN_MIOB<12>	27.3C
SNN_MIOB<13>	27.3C
SNN_MIOB<14>	27.3C
SNN_MIOB_CAL_PD_VD DQ	27.3B
SNN_MIOB_CAL_PU_GN D	27.3B
SNN_MIOB_CLKOUT	27.4C
SNN_MIOB_CLKOUT*	27.4C
SNN_MIOB_DE	27.3C
SNN_MIOB_HSYNC	27.3C
SNN_MIOB_VREF	27.3B
SNN_MIOB_VSYNC	27.3C
SNN_NVIO_EXTDEV_RS T*	26.4D
SNN_NVIO_NC_01	28.4G
SNN_NVIO_NC_02	28.4G
SNN_NVIO_NC_03	28.4G
SNN_NVIO_NC_04	28.4G
SNN_NVIO_NC_05	28.4G
SNN_NVIO_NC_06	28.4G
SNN_NVIO_NC_07	28.4G
SNN_NVIO_NC_08	28.4G
SNN_NVIO_NC_09	28.4G
SNN_NVIO_NC_10	28.4G
SNN_NVIO_NC_11	28.4G
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SNN_NVIO_NC_13	28.4G
SNN_NVIO_NC_14	28.4G
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SNN_NVIO_NC_21	28.5G
SNN_NVIO_NC_22	28.5G
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SNN_NVIO_NC_25	28.5G
SNN_NVIO_NC_26	28.5G
SNN_NVIO_NC_27	28.5G
SNN_NVIO_NC_28	28.5G
SNN_NVIO_NC_29	28.5G
SNN_NVIO_NC_30	28.5G
SNN_NVIO_NC_31	28.4H
SNN_NVIO_NC_32	28.4H
SNN_NVIO_NC_33	28.4H
SNN_NVIO_NC_34	28.4H
SNN_NVIO_NC_35	28.4H
SNN_NVIO_NC_36	28.4H
SNN_NVIO_NC_37	28.4H
SNN_NVIO_NC_38	28.4H
SNN_NVIO_NC_39	28.4H
SNN_NVIO_NC_40	28.4H
SNN_NVIO_NC_41	28.4H
SNN_NVIO_NC_42	28.4H
SNN_NVIO_NC_43	28.4H
SNN_NVIO_NC_44	28.4H
SNN_NVIO_NC_45	28.4H
SNN_NVIO_NC_46	28.4H
SNN_NVIO_NC_47	28.4H
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SNN_NVIO_NC_60	28.5H
SNN_NVIO_NC_61	28.5H
SNN_NVIO_PLL_SP_MO N_OUT	19.5B
SNN_NVVDD_MSUR	28.5D
SNN_NVVDD_MSUR_GND	28.5D
SNN_NVVDD_OFFSET	32.3F
SNN_NVVDD_VR_FAN	32.3F
SNN_NVVDD_VR_HOT	32.3F
SNN_PEX6A_DT*	35.2A
SNN_PEX6B_DT*	35.3A
SNN_PEX_08	3.2B
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SNN_PEX_12	3.2A
SNN_PEX_13	3.2A
SNN_PEX_14	3.2A
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SNN_PEX_16	3.3A
SNN_PEX_17	3.4A
SNN_PEX_18	3.4A
SNN_PEX_20	3.2A
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SNN_PEX_TDI	3.1B
SNN_PEX_TDO	3.1B
SNN_PEX_TMS	3.1B
SNN_PEX_TRST*	3.1B
SNN_PS4_NVVDD_OVP	32.2D
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SNN_STRAP3	26.3B
SNN_THERM_LD_STEP0	28.5D
SNN_THERM_LD_STEP1	28.5D
SNN_TSENSE_AVDD	29.4B
SNN_TSENSE_OVERT	29.5B
SNN_TSENSE_SEL	29.5B
SNN_TSENSE_VREF	29.5B
SNN_TS_OBS	29.5B
SNN_TV_NC5	22.3G
SNN_TV_NC7	22.3G
SNN_VRD11_SELECTED	32.3D
SPDIF_DET	29.2A
SPDIF_GND	29.1A
SPDIF_IN	29.1A
SPDIF_IN_GPU	26.3E< 29.1D>
SPDIF_IN_TERM_EN	29.2B
SPDIF_TERM_EN*	29.2B
SPDIF_TERM_GND	29.2C
STRAP0	26.3B
STRAP1	26.3B
STRAP2	26.3B
THERM_6649_VCC	29.2E
THERM_ADDR*	29.5E
THERM_ALERT*	29.5E
THERM_DN	29.5D
THERM_DP	29.5D
THERM_SHDN*	29.4E
THERM_SHUTDOWN*	29.3H> 30.4A< 32.2B<
XTALSSIN	26.3B
XTAL_BUFCLK_OUT	19.4E
XTAL_IN	26.4C
XTAL_OUT	26.4C

ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
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NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	40 OF 42
NAME	myan	DATE	14-JAN-2009

Title: Cref Part
Report
Design: p892_a04
Date: Jan 14
18:55:02 2009

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ID	p892_a04	PAGE	41 OF 42
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R806 [26.3E]
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Y1 [26.4C]

ASSEMBLY	DT, GT200-350B 650MHz/1480MHz, 1.3GHz 1024MB 16Mx32 GDDR3, DVI-I + DVI-I, DUAL SLI CONNECTORS
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NV_PN	600-10892-0052-400 A		
ID	p892_a04	PAGE	42 OF 42
NAME	myan	DATE	14-JAN-2009