

P222, NV36, 8Mx16/16Mx16DDR, 64/128/256MB, DVI, TV, VGA

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SKU	VARIANT	NVPN	ASSEMBLY
B	BASE	600-f0ppp-xxxx-vvv	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL
1	1000	600-10222-1000-000	P222 bringup NV36-G2-A1 250/200 128bit 256MB 16Mx16 VGA TV DVI all options
2	0000	600-10222-0000-000	P222 NV36-G2-A1 250/200 64bit 128MB 16Mx16 VGA TVout DVI
3	0001	600-10222-0001-000	P222 NV36-G2-A1 250/200 128bit 128MB 8Mx16 VGA TVout DVI
4	0002	600-10222-0002-000	P222 NV36-G2-A1 250/200 128bit 256MB 16Mx16 VGA TVout DVI
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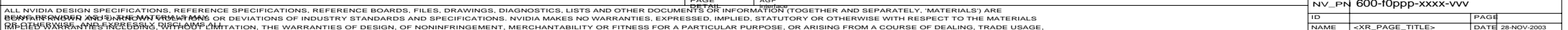
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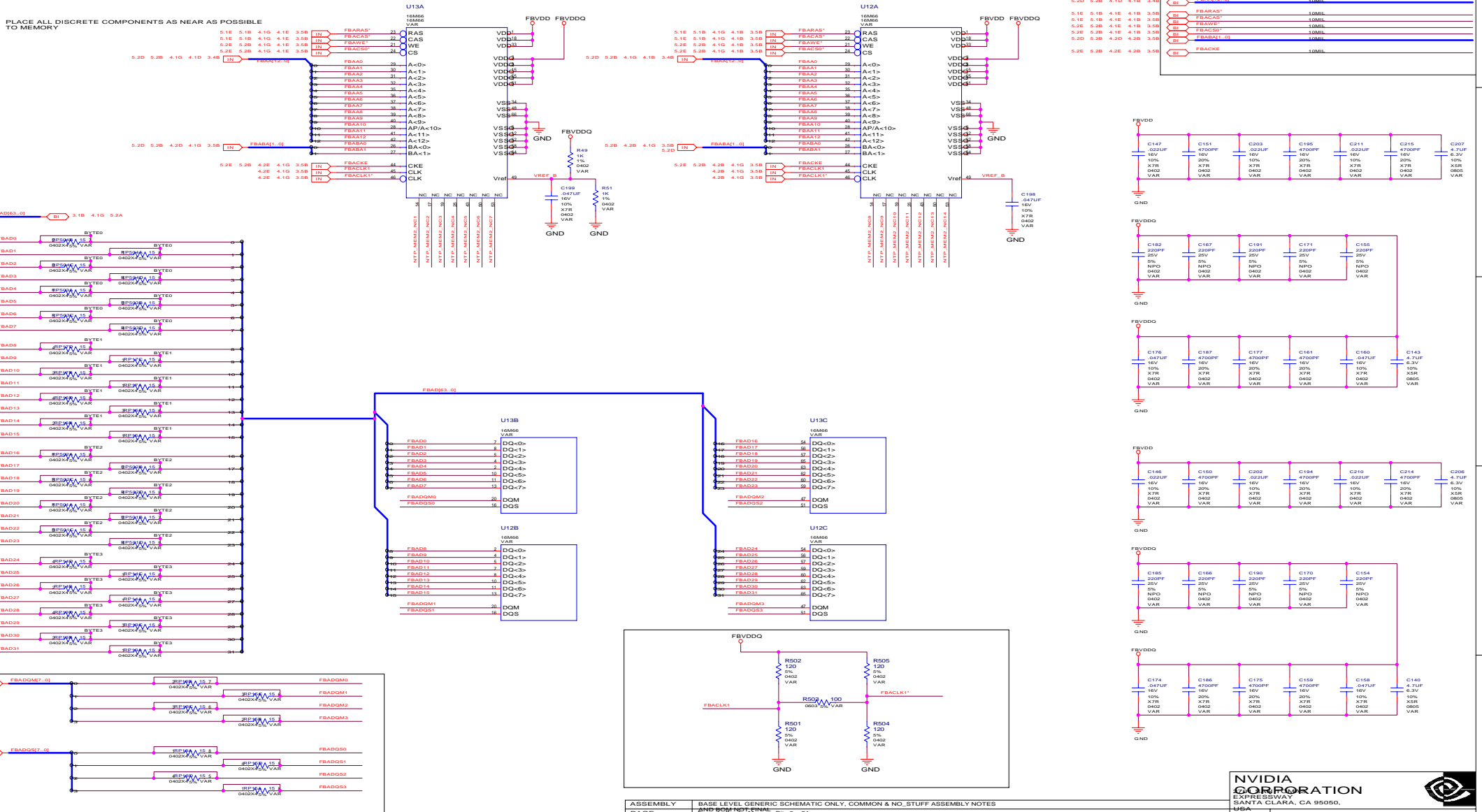
MEMORY FBA & FBC INTERFACE



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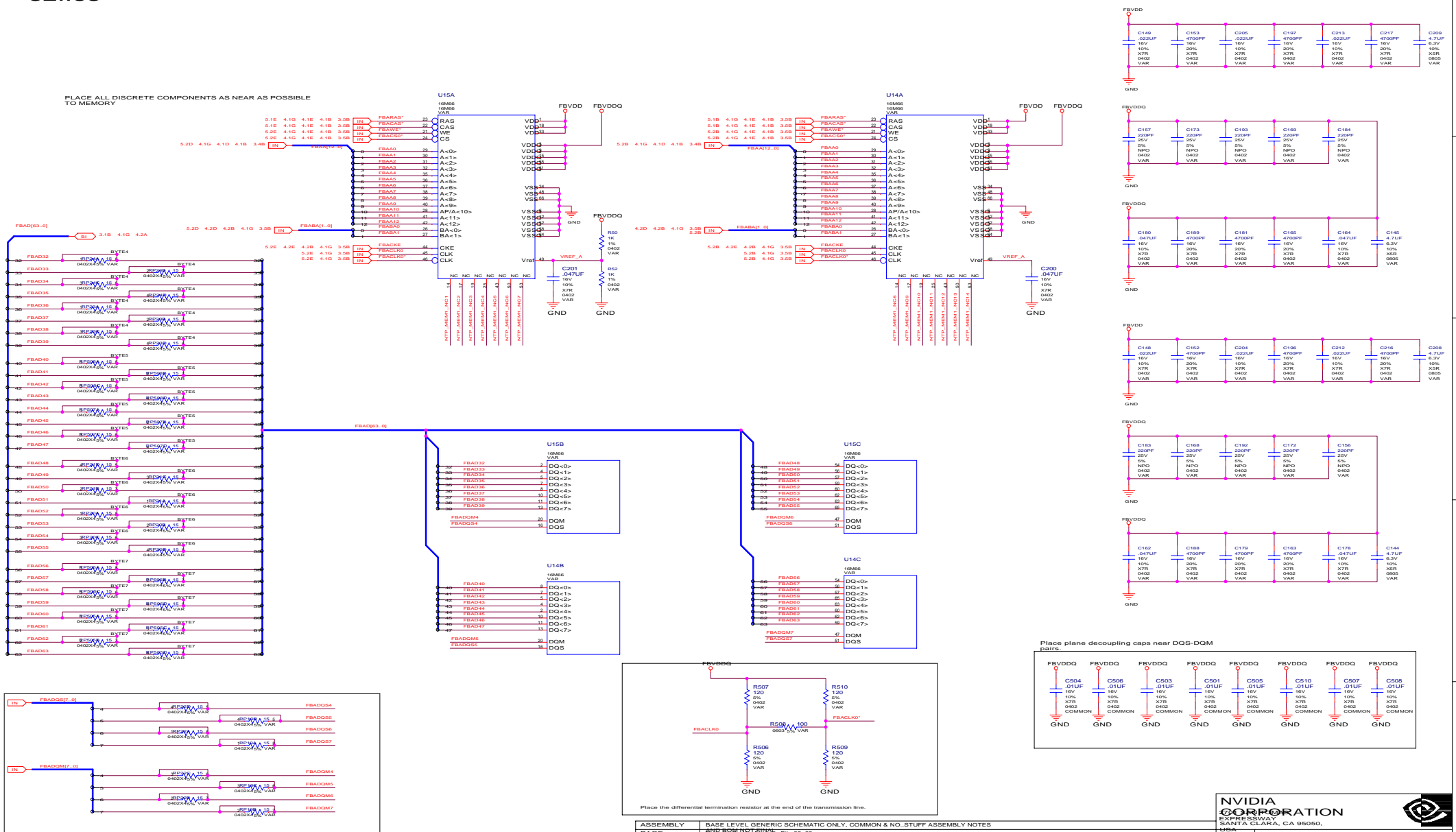
MEMORY PARTITION A - BITS
0..31



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MEMORY PARTITION A - BITS
32..63


PLACE ALL DISCRETE COMPONENTS AS NEAR AS POSSIBLE
TO MEMORY



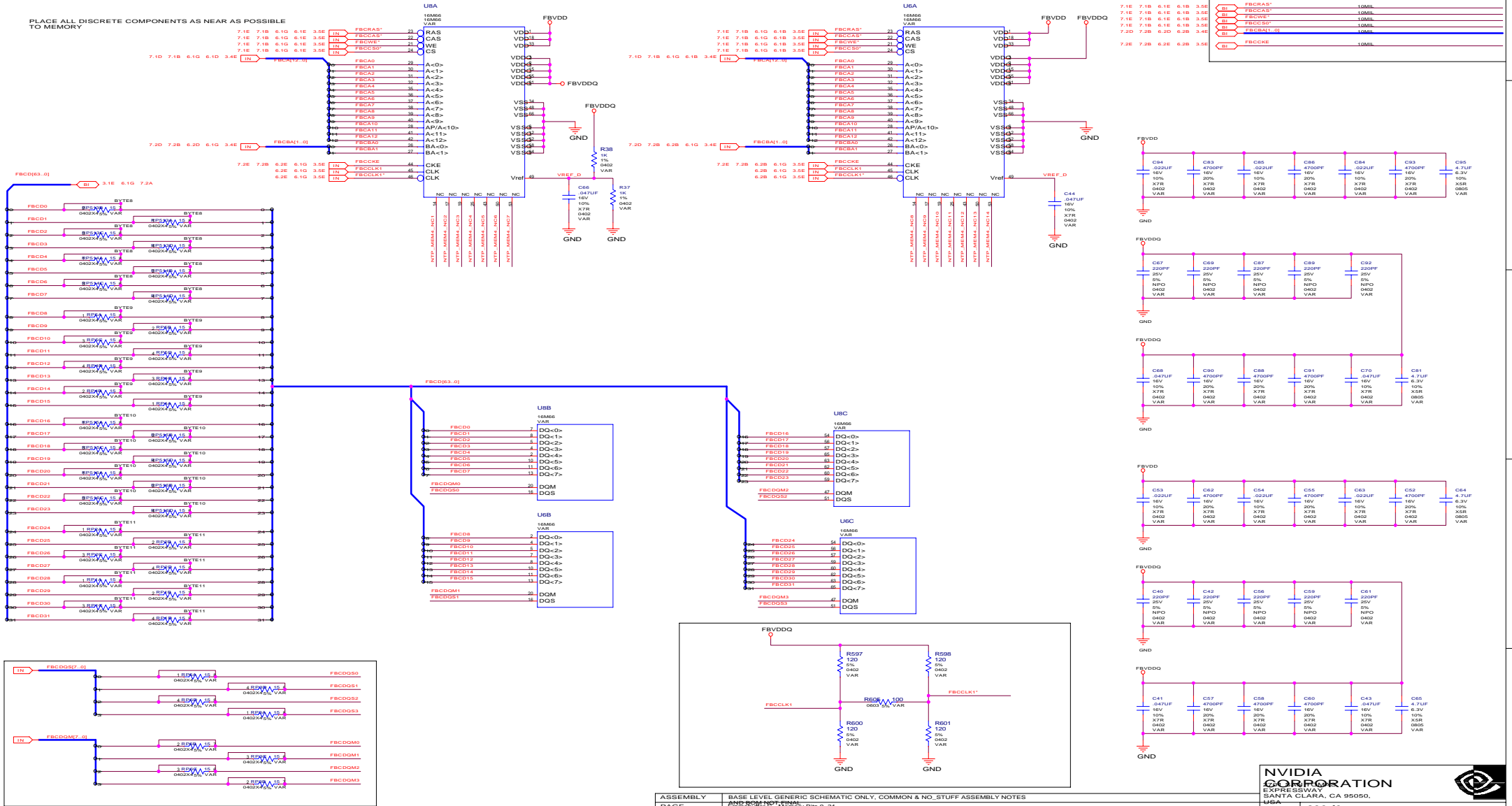
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ASSEMBLY	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES
PAGE	AND BOM NOT FINAL Framebuffer A - Memory Bits 32..63

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MEMORY PARTITION C - BITS
0..31

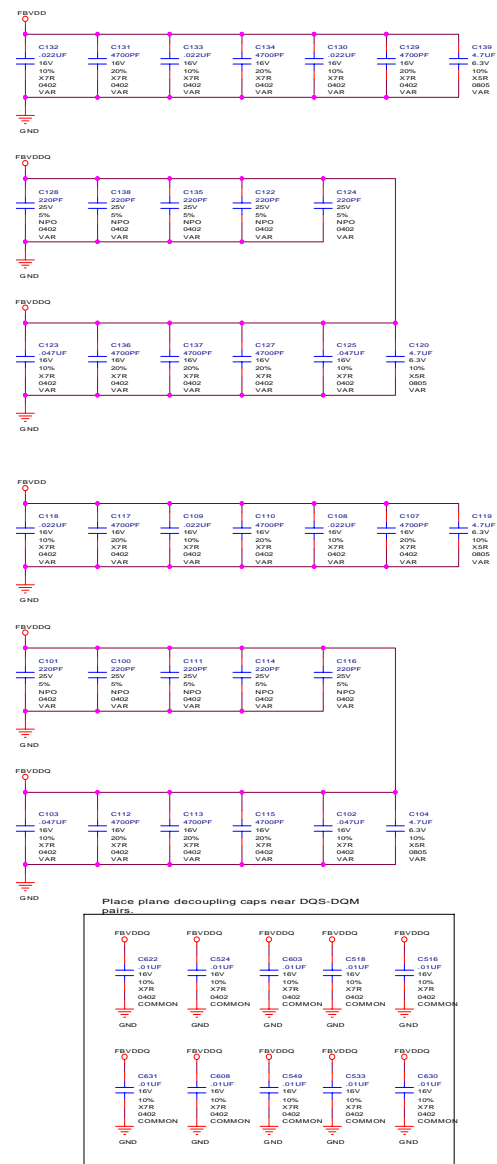
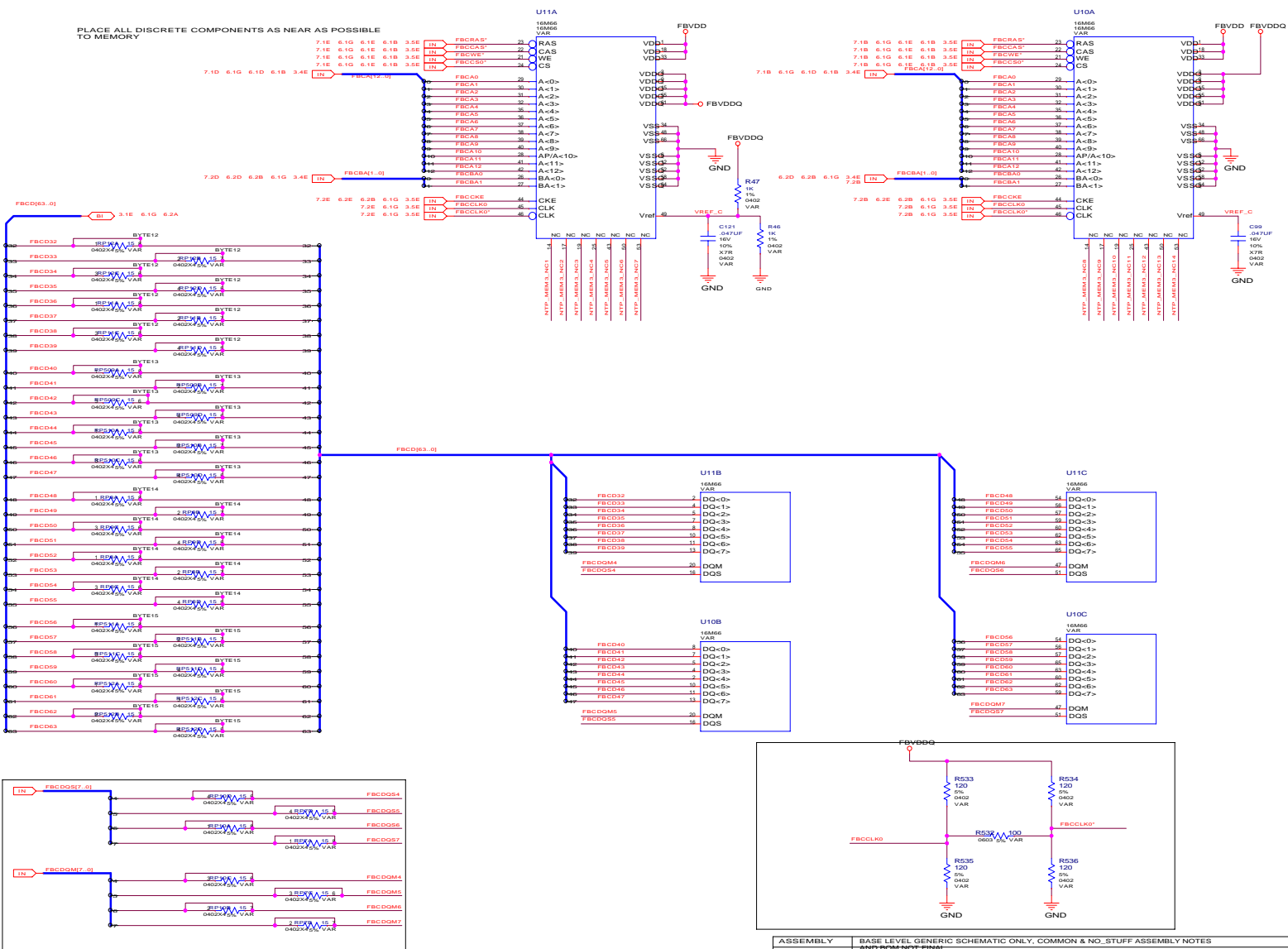


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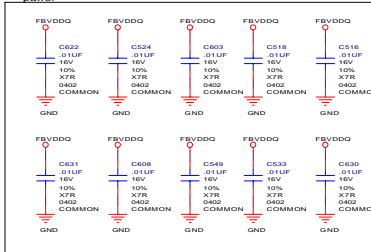
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MEMORY PARTITION C - BITS
32..63

PLACE ALL DISCRETE COMPONENTS AS NEAR AS POSSIBLE
TO MEMORY



Place plane decoupling caps near DQS-DQM pairs.

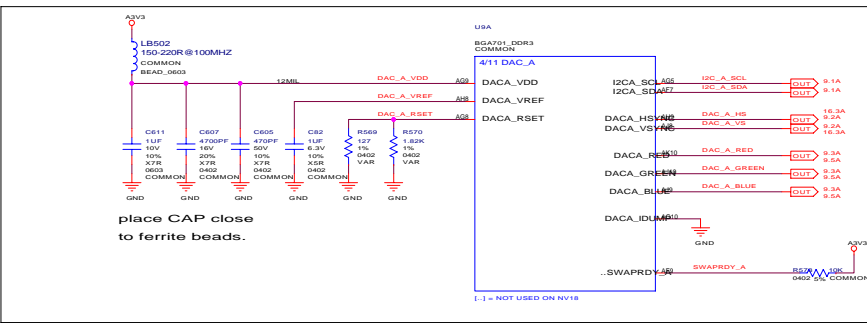


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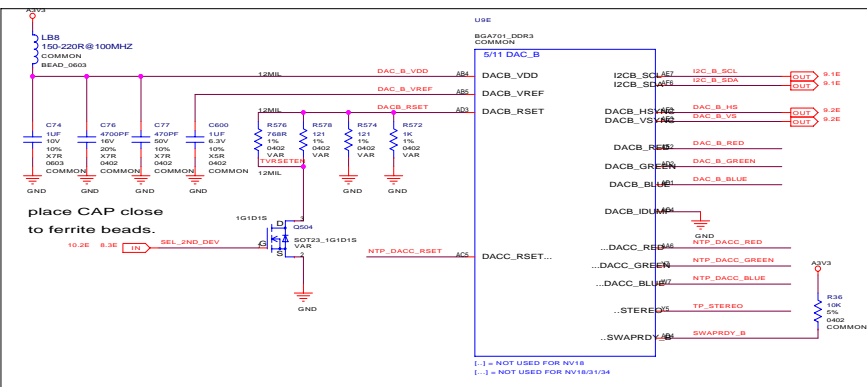


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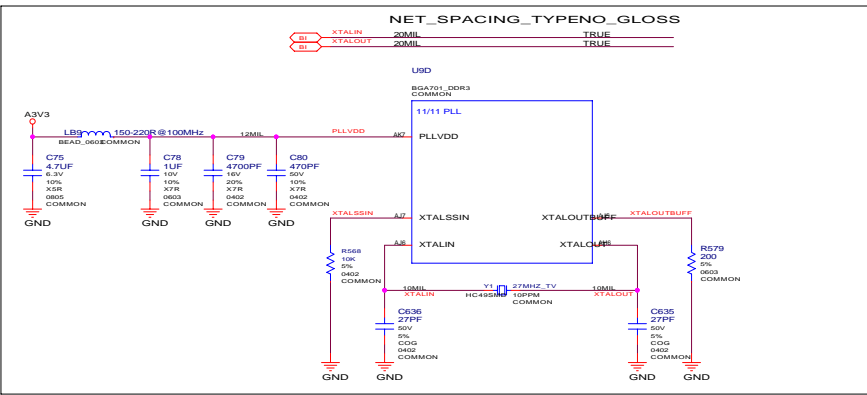
DAC_A



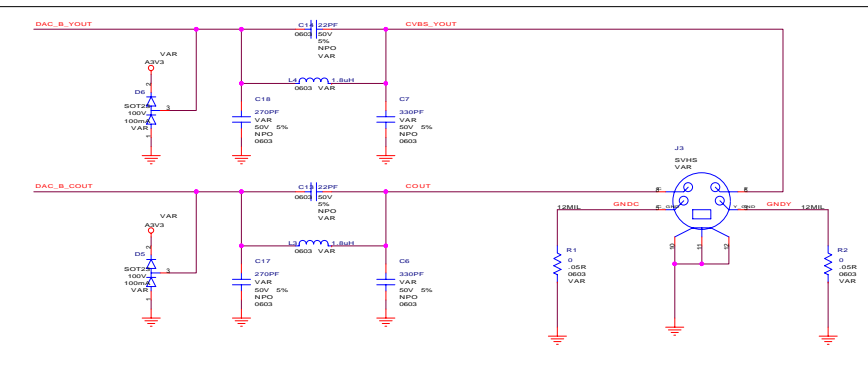
DAC_B



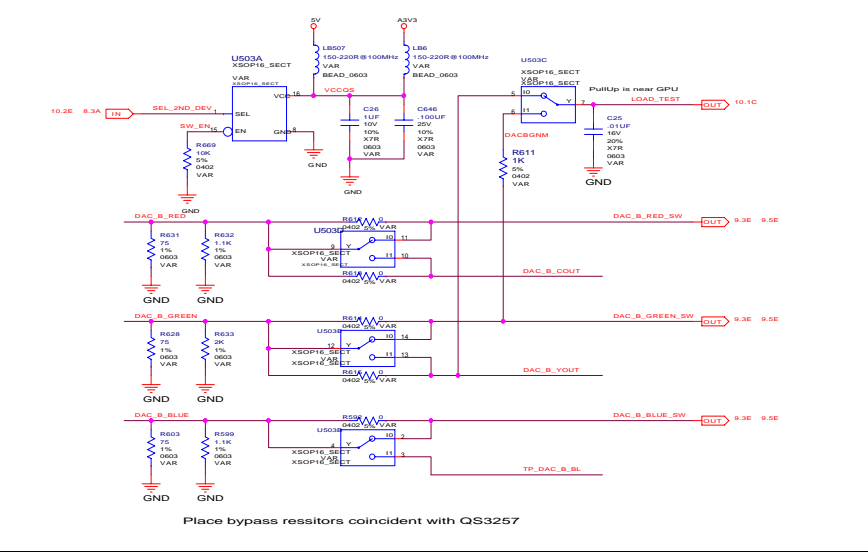
PLL



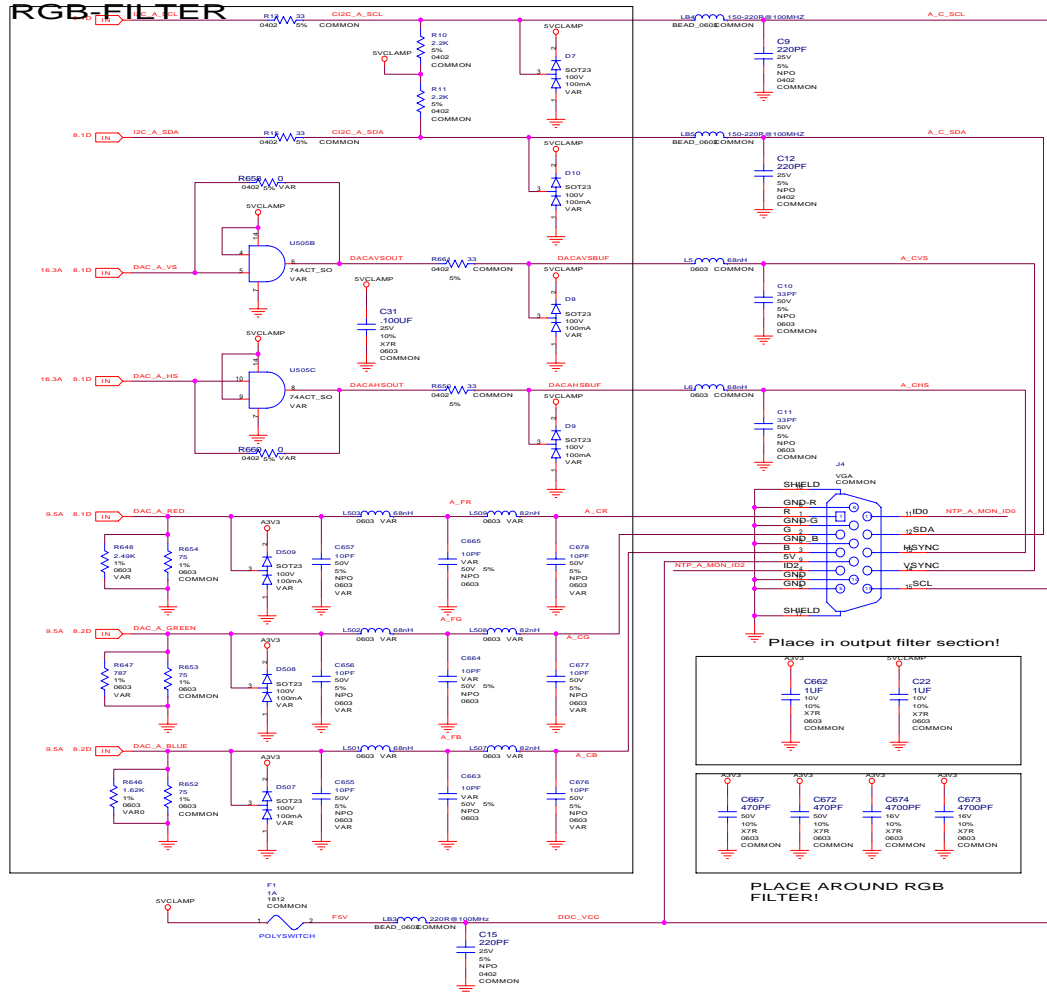
VIDEO OUT Connector and Filter



DACB SWITCH BETWEEN VGA OUT AND TV OUT



NET		NET_SPACING_TYPENO_GLOSS
1	DAC_B_RED	20MIL
2	DAC_B_GREEN	20MIL
3	DAC_B_BLUE	20MIL
4	DAC_B_YOUT	20MIL
5	DAC_B_COUT	20MIL
6	CVBS_YOUT	20MIL
7	COUT	20MIL

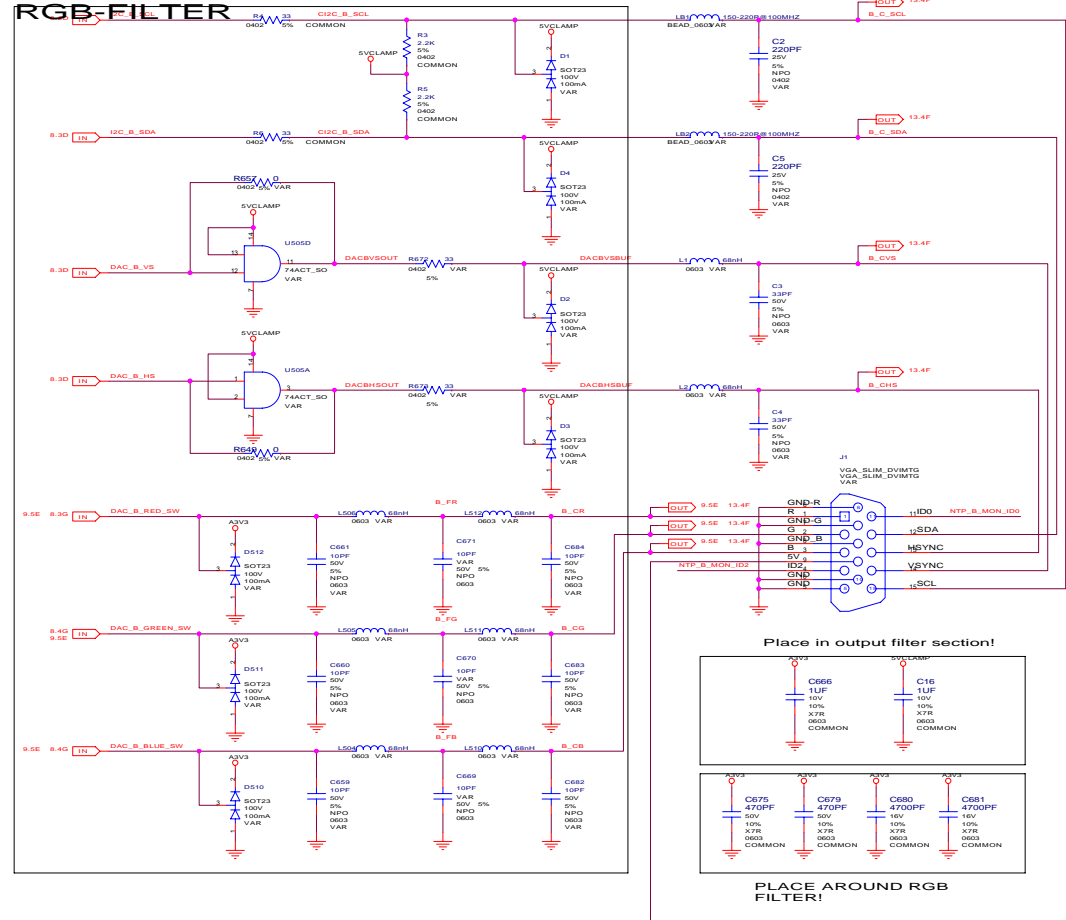


	NET	NET_SPACING_TYPE	NO_GLOSS
9.3A 8.1D	B	DAC_A_RED	TRUE
9.3A 8.2D	B	DAC_A_GREEN	TRUE
9.3A 8.2D	B	DAC_A_BLUE	TRUE
	B	A_FF	TRUE
	B	A_FG	TRUE
	B	A_FB	TRUE
	B	A_CR	TRUE
	B	A_CB	TRUE
	B	A_CB	TRUE

	NET	MIN_LINE_WIDTH	VOLTAGE
SVCLAMP	SVCLAMP	12MIL	5V
IN	F5V	12MIL	5V
IN	DDC_VCC	12MIL	5V



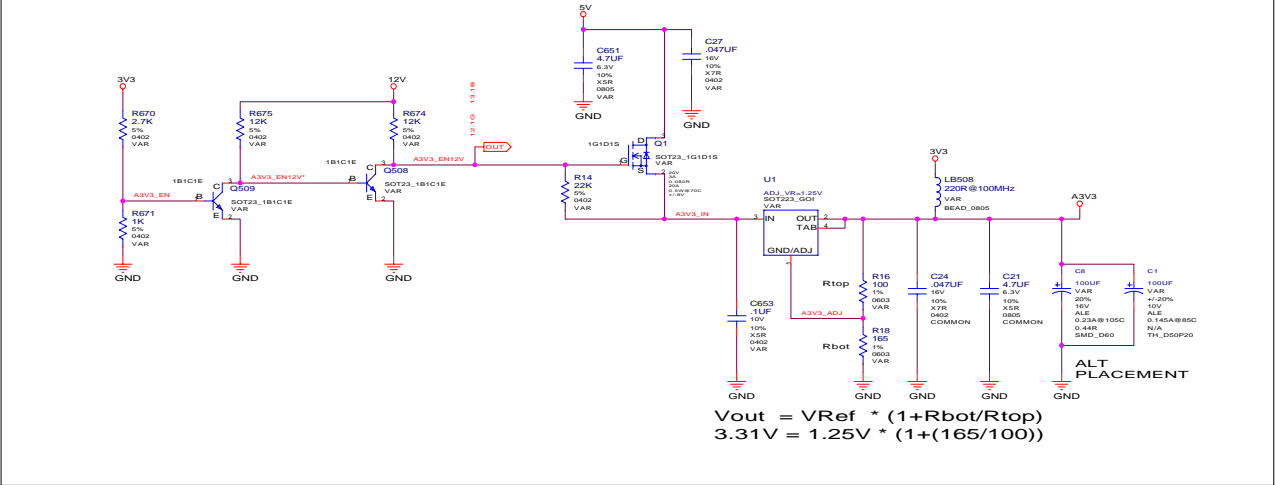
	NET	NET_SPACING_TYPE	NO_GLOSS
9.36 8.30	B1	DAG - RED SW	20MIL
		DAG - GREEN SW	20MIL
9.36 8.40	B1	DAG - BLUE SW	20MIL
9.36 8.40	B1	DAG - BLUE SW	20MIL
	B1	P-FG	20MIL
	B1	P-FG	20MIL
	B1	P-FG	20MIL
	B1	P-FG	20MIL
	B1	P-FG	20MIL
	B1	P-FG	20MIL
13.47 9.30	B1	P-CG	20MIL
13.47 9.30	B1	P-CG	20MIL
13.47 9.30	B1	P-CB	20MIL
		P-CB	20MIL



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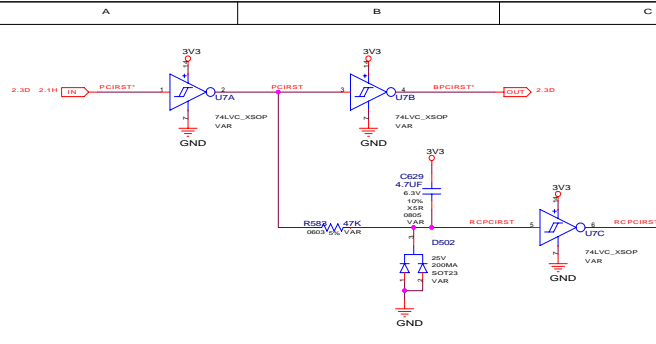
Analog Power Supply



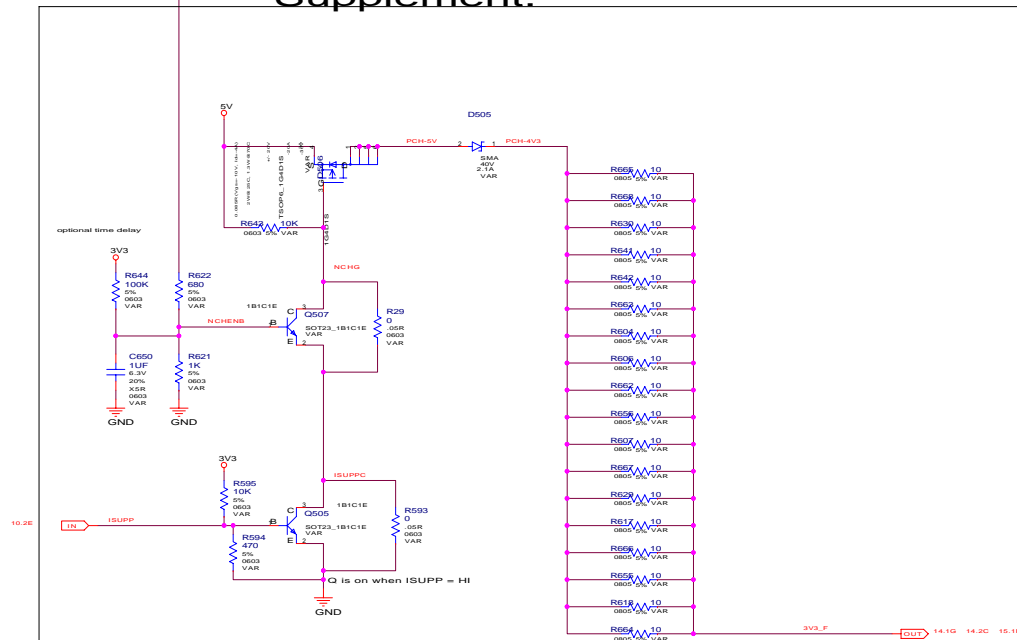
NET	MIN_LINE_WIDTH	VOLTAGE
A3V3	12MIL	3.3V
A3V3_IN	12MIL	3.3V
A3V3_ADJ	10MIL	5V
A3V3_EN12V	10MIL	10MIL
A3V3_EN10V	10MIL	10MIL
A3V3_EN	10MIL	10MIL

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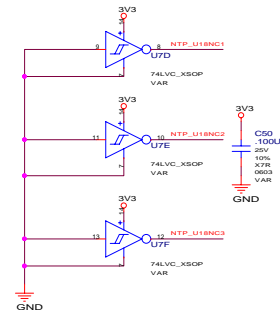


NVVDD Current Supplement.



Approx 1A (TBD after Qualification)

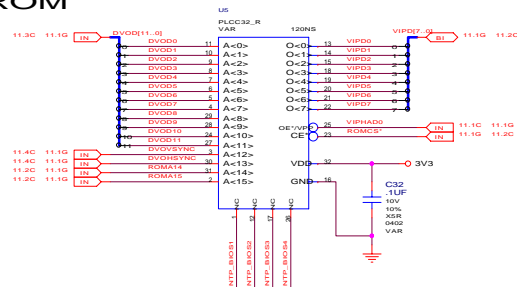
NET	MIN_LINE_WIDTH	NET_SPACING_TYPE
B1	PCH-5V	40MIL
B1	PCH-4V3	40MIL
B1	SV3_F	40MIL



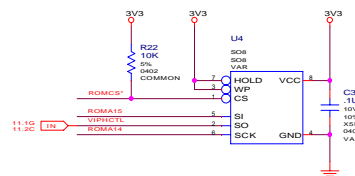
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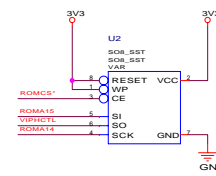
PARALLEL EPROM



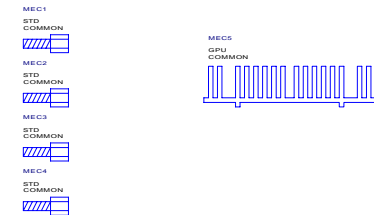
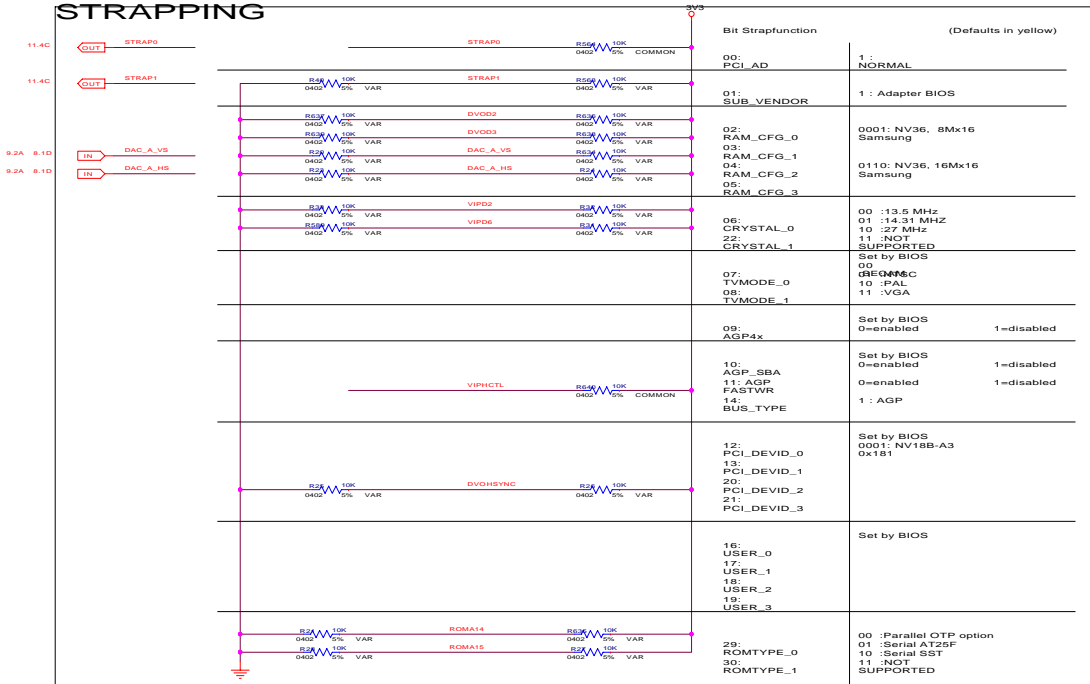
ATL BIOS (ATMEL Serial ROM)



BIOS (SST Serial ROM)



NV36 STRAPPING



	A	B	C	D	E	F	G	H
1	*** Signal Cross-Reference for the entire design ***	FBA<8> 3.4B 4.2B 4.2E 5.2C 5.2E	FBCA<2> 3.4F 6.1B 6.1E 7.2C 7.2E	FBCWE< 3.5E> 6.1B< 6.1E< 6.1G<= 7.1B< 7.1E<				
	3V3TMSD_ADJ 13.1G<= 13.2B	FBA<9> 3.4B 4.2B 4.2E 5.2C 5.2E	FBCA<3> 3.4F 6.2B 6.2E 7.2C 7.2E	IG2_A_SCL 7.1E<				
	3V3_F 14.1G<= 14.2C< 15.1F<= 15.4D<=	FBA<10> 3.4B 4.2B 4.2E 5.2C 5.2E	FBCA<4> 3.4F 6.2B 6.2E 7.2C 7.2E	IG2_A_SDA 8.1D<= 9.1A<				
	3V3RESIN 13.1B 13.1G<=	FBA<11> 3.4B 4.2B 4.2E 5.2C 5.2E	FBCA<5> 3.4F 6.2B 6.2E 7.2C 7.2E	IG2_A_SDA 8.1D<= 9.1A<				
	6555_COMP 14.2G<= 14.3C	FBA<12> 3.4B 4.2B 4.2E 5.2C 5.2E	FBCA<6> 3.4F 6.2B 6.2E 7.2C 7.2E	IG2_B_SCL 8.2D<= 9.1E<				
	A3V3_ADJ 12.1G<= 12.2D	FBA<13> 3.4B 4.2B 4.2E 5.2C 5.2E	FBCA<7> 3.4F 6.2B 6.2E 7.2C 7.2E	IG2_B_SDA 8.3D<= 9.1E<				
	A3V3_EN 12.1G<= 12.2A	FBA<14> 3.5B< 4.1G<= 4.2B< 4.2D< 5.2B< 5.2D<	FBCA<8> 3.4F 6.2B 6.2E 7.2C 7.2E	IPFABIOVDD 13.1G<= 13.4A				
	A3V3_EN12V 12.1G<= 12.2B< 13.1B< 13.1E<	FBA<15> 3.5B 4.2B 4.2E 5.2C 5.2E	FBCA<9> 3.4F 6.2B 6.2E 7.2C 7.2E	IPFABPLLVD0 13.1G<= 13.4A				
	A3V3_IN 12.1G<= 12.2C	FBA<16> 3.5B< 4.1B< 4.1E< 4.1G<= 5.1B< 5.1E<	FBCA<10> 3.4F 6.2B 6.2E 7.2C 7.2E	IPFABVREF 13.1G<= 13.3B				
	AGPDM_HH 2.1G<= 2.3D	FBA<17> 3.5B< 4.1G<= 4.2B< 4.2E< 5.2B< 5.2E<	FBCA<11> 3.4F 6.2B 6.2E 7.2C 7.2E	ISUPP 10.2E<= 15.4A<				
2	AGPDM_LO 2.1G<= 2.3D	FBA<18> 3.5B< 4.1G<= 4.2B< 4.2E< 5.2B< 5.2D<	FBCA<12> 3.4F 6.2B 6.2E 7.2C 7.2E	LOAD_TEST 8.3G<= 10.1C<				
	AGPDMDET 2.1F> 2.4C	FBA<19> 3.5B< 4.1G<= 4.2B< 4.2E< 5.2D< 5.5D<	FBCA<13> 3.4F 6.2B 6.2E 7.2C 7.2E	L_FB 14.5G<= 14.3C				
	AGPDMF 2.1G<= 2.3D	FBA<20> 3.5B< 4.1G<= 4.2B< 4.2E< 5.2E< 5.5E<	FBCA<14> 3.4F 6.2B 6.2E 7.2C 7.2E	L_GATE 14.1G<= 14.3C				
	AGPST0 2.1G<= 2.4D	FBA<21> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<15> 3.4F 6.2B 6.2E 7.2C 7.2E	L_GATE_T 14.1G<= 14.3B				
	AGPST1 2.1G<= 2.4D	FBA<22> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<16> 3.4F 6.2B 6.2E 7.2C 7.2E	LCH_AV3 15.1F<= 15.2B				
	AGPST2 2.1G<= 2.4D	FBA<23> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<17> 3.4F 6.2B 6.2E 7.2C 7.2E	PCH_V5 2.1H<= 15.2B				
	AGPSTB0 2.1F> 2.4D	FBA<24> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<18> 3.4F 6.2B 6.2E 7.2C 7.2E	PCAD<31.0> 2.1D 2.1H<				
	AGPSTB1 2.1F> 2.4D	FBA<25> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<19> 3.4F 6.2B 6.2E 7.2C 7.2E	PCIBRE<0> 2.2C 2.2E				
	AGPSTOP 2.1F> 2.4E	FBA<26> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<20> 3.4F 6.2B 6.2E 7.2C 7.2E	PCIBRE<1> 2.2C 2.2E				
	AGPWF 2.1G<= 2.3D	FBA<27> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<21> 3.4F 6.2B 6.2E 7.2C 7.2E	PCIBRE<2> 2.2C 2.2E				
3	ATXC 13.2G<= 13.3C	FBA<28> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<22> 3.4F 6.2B 6.2E 7.2C 7.2E	PCICL 2.1H<= 2.3D				
	ATXC 13.2G<= 13.3C	FBA<29> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<23> 3.4F 6.2B 6.2E 7.2C 7.2E	PCICLVB< 2.1G<= 2.3D				
	ATXCC 13.2G<= 13.4F	FBA<30> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<24> 3.4F 6.2B 6.2E 7.2C 7.2E	PCIFRAME< 2.1H<= 2.3D				
	ATXCC 13.2G<= 13.4F	FBA<31> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<25> 3.4F 6.2B 6.2E 7.2C 7.2E	PCIGT 2.1H<= 2.3D				
	ATXCD0 13.2G<= 13.3F	FBA<32> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<26> 3.4F 6.2B 6.2E 7.2C 7.2E	PCIPAR 2.1G<= 2.3D				
	ATXCD0 13.2G<= 13.3F	FBA<33> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<27> 3.4F 6.2B 6.2E 7.2C 7.2E	PCIRE<0> 2.1H<= 2.3D				
	ATXCD1 13.2G<= 13.3F	FBA<34> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<28> 3.4F 6.2B 6.2E 7.2C 7.2E	PCIRST 2.1H<= 2.3D<= 15.1A<				
	ATXCD1 13.2G<= 13.3F	FBA<35> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<29> 3.4F 6.2B 6.2E 7.2C 7.2E	PCIRSTP 2.1H<= 2.3D				
	ATXCD2 13.2G<= 13.3F	FBA<36> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<30> 3.4F 6.2B 6.2E 7.2C 7.2E	PCITRDY 2.1H<= 2.3D				
	ATXD0 13.1G<= 13.3C	FBA<37> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<31> 3.4F 6.2B 6.2E 7.2C 7.2E	ROMA14 11.1G<= 11.2C<= 16.2A< 16.2D 16.3F 16.5B				
4	ATXD0 13.1G<= 13.3C	FBA<38> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<32> 3.4F 6.2B 6.2E 7.2C 7.2E	ROMA15 11.1G<= 11.2C<= 16.1D 16.1F 16.2A< 16.5B				
	ATXD1 13.1G<= 13.4C	FBA<39> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<33> 3.4F 6.2B 6.2E 7.2C 7.2E	ROMC5 11.1G<= 11.2C<= 16.1C<= 16.1D 16.1F 16.2A< 2.4C 2.4E				
	ATXD2 13.1G<= 13.4C	FBA<40> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<34> 3.4F 6.2B 6.2E 7.2C 7.2E	SBA<0> 2.4C 2.4E				
	A_CB 9.3C 9.5A<=	FBA<41> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<35> 3.4F 6.2B 6.2E 7.2C 7.2E	SBA<7.0> 2.1F> 2.4D				
	A_CB 9.3C 9.5A<=	FBA<42> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<36> 3.4F 6.2B 6.2E 7.2C 7.2E	SBA<1> 2.4C 2.4E				
	A_CR 9.3C 9.5A<=	FBA<43> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<37> 3.4F 6.2B 6.2E 7.2C 7.2E	SBA<2> 2.4C 2.4E				
	A_FB 9.3B 9.5A<=	FBA<44> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<38> 3.4F 6.2B 6.2E 7.2C 7.2E	SBA<3> 2.4C 2.4E				
	A_FB 9.3B 9.5A<=	FBA<45> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<39> 3.4F 6.2B 6.2E 7.2C 7.2E	SBA<4> 2.4C 2.4E				
	A_FR 9.3B 9.5A<=	FBA<46> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<40> 3.4F 6.2B 6.2E 7.2C 7.2E	SBA<5> 2.4C 2.4E				
	A_FR 9.3B 9.5A<=	FBA<47> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<41> 3.4F 6.2B 6.2E 7.2C 7.2E	SBA<6> 2.4C 2.4E				
5	BPCIRST 2.3D<= 15.1C<=	FBA<48> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<42> 3.4F 6.2B 6.2E 7.2C 7.2E	SBA<7> 2.4C 2.4E				
	B_CB 9.3G<= 9.5E<= 13.4F<=	FBA<49> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<43> 3.4F 6.2B 6.2E 7.2C 7.2E	SEL_2ND_DEV 8.3A< 8.3E< 10.2E>				
	B_CG 9.3G<= 9.5E<= 13.4F<=	FBA<50> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<44> 3.4F 6.2B 6.2E 7.2C 7.2E	STRAP0 11.4C<= 16.2B 16.3A<				
	B_CHS 9.2H<= 13.4F<=	FBA<51> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<45> 3.4F 6.2B 6.2E 7.2C 7.2E	STRAP1 11.4C<= 16.3A<= 16.3B				
	B_CR 9.3G<= 9.5E<= 13.4F<=	FBA<52> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<46> 3.4F 6.2B 6.2E 7.2C 7.2E	SW_COMP 14.1G<= 14.3D				
	B_CVS 9.2H<= 13.4F<=	FBA<53> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<47> 3.4F 6.2B 6.2E 7.2C 7.2E	SW_FB 14.1G<= 14.3D				
	B_C_SCL 9.1H<= 13.4F<=	FBA<54> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<48> 3.4F 6.2B 6.2E 7.2C 7.2E	SW_OUT 14.1G<= 14.2E				
	B_C_SDA 9.1H<= 13.4F<=	FBA<55> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<49> 3.4F 6.2B 6.2E 7.2C 7.2E	THERMDA 10.1A 10.1F<=				
	B_FB 9.3F 9.5E<=	FBA<56> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<50> 3.4F 6.2B 6.2E 7.2C 7.2E	THERMDC 10.1A 10.1F<=				
	B_FG 9.3F 9.5E<=	FBA<57> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<51> 3.4F 6.2B 6.2E 7.2C 7.2E	TADPLL_ADJ 10.1D 10.1G<=				
6	B_FR 9.3F 9.5E<=	FBA<58> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<52> 3.4F 6.2B 6.2E 7.2C 7.2E	TYPE3 14.1G<= 14.3F				
	COMP1 14.1G<= 14.3E	FBA<59> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<53> 3.4F 6.2B 6.2E 7.2C 7.2E	VIDP<0> 11.2B 16.1B				
	COUT 8.2F 8.5E<=	FBA<60> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<54> 3.4F 6.2B 6.2E 7.2C 7.2E	VIDP<7.0> 11.1G<= 11.2C<= 16.1C<=				
	CVBS_YOUT 8.1F 8.5E<=	FBA<61> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<55> 3.4F 6.2B 6.2E 7.2C 7.2E	VIDP<1> 11.2B 16.1B				
	DAC_A_BLUE 8.2D<= 9.3A<= 9.5A<=	FBA<62> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<56> 3.4F 6.2B 6.2E 7.2C 7.2E	VIDP<2> 11.2B 16.1B 16.3B				
	DAC_A_GREEN 8.2D<= 9.3A<= 9.5A<=	FBA<63> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<57> 3.4F 6.2B 6.2E 7.2C 7.2E	VIDP<3> 11.2B 16.1B				
	DAC_A_HS 8.1D<= 9.2A<= 16.3A<= 16.3B	FBA<64> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<58> 3.4F 6.2B 6.2E 7.2C 7.2E	VIDP<4> 11.2B 16.1B				
	DAC_A_RED 8.1D<= 9.3A<= 9.5A<=	FBA<65> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<59> 3.4F 6.2B 6.2E 7.2C 7.2E	VIDP<5> 11.2B 16.1B				
	DAC_A_VS 8.1D<= 9.2A<= 16.3A<= 16.3B	FBA<66> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<60> 3.4F 6.2B 6.2E 7.2C 7.2E	VIDP<6> 11.2B 16.1B 16.3B				
	DAC_B_BLUE 8.3C 8.4E 8.5E<=	FBA<67> 3.5B< 4.1G<= 4.2B< 4.2E< 4.5E< 4.5E<	FBCA<61> 3.4F 6.2B 6.2E 7.2C 7.2E	VIDP<7> 11.2B 16.1B				

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	*** Part Cross-Reference for the entire design ***							
1	C1 C_POL 12.2E C2 C 9.1G C3 C 9.2G C4 C 9.2G C5 C 9.1G C6 C 8.2F C7 C 8.1F C8 C_POL 12.2E C9 C 9.1C C10 C 9.2C C11 C 9.2C C12 C 9.1C C13 C 9.2F C14 C 8.1F C15 C 9.4B C16 C 9.2H C17 C 8.2F C18 C 8.1F C19 C_POL 14.2B C20 C_POL 14.2A C21 C 12.2D C22 C 9.3D C23 C 14.2E C24 C 12.2D C25 C 9.3D C26 C 8.3F C27 C 12.1C C28 C_POL 14.1D C29 C_POL 14.2D C30 C 16.1E C31 C 9.2B C32 C 16.2C C33 C_POL 14.3A C34 C_POL 14.3A C35 C_POL 14.2D C36 C_POL 14.1D C37 C 14.3B C38 C 14.2B C39 C 10.2B C40 C 6.4H C41 C 6.5G C42 C 6.4G C43 C 5.9H C44 C 6.2F C45 C_POL 14.3H C46 C_POL 14.3C C47 C_POL 14.3G C48 C_POL 14.3H C49 C 2.2B C50 C 15.1G C51 C 2.2B C52 C 6.4H C53 C 6.4G C54 C 6.4G C55 C 6.4G C56 C 6.4G C57 C 6.5G C58 C 6.4G C59 C 6.4G C60 C 6.5G C61 C 6.4H C62 C 6.4G C63 C 6.4H C64 C 6.4H C65 C 6.5H C66 C 6.2D C67 C 6.5G C68 C 6.3G C69 C 6.2G C70 C 6.3H C71 C 2.4G C72 C 2.4G C73 C 2.5A C74 C 8.3A C75 C 8.4A C76 C 8.3A C77 C 8.3A C78 C 8.4A C79 C 8.4B C80 C 8.4B C81 C 6.3H C82 C 6.2G C83 C 6.2G C84 C 6.2H C85 C 6.2G C86 C 6.2G C87 C 6.2G C88 C 6.3G C89 C 6.2G C90 C 6.3G C91 C 6.3G C92 C 6.2H C93 C 6.2H C94 C 6.2G C95 C 6.2H C96 C 3.5F C97 C 2.2D C98 C 2.2B C99 C 7.2F C100 C 7.3G C101 C 7.3G C102 C 7.4H C103 C 7.4G C104 C 7.4H C105 C 2.3A C106 C 2.3A C107 C 7.3H C108 C 7.3H C109 C 7.3G	C110 C 7.3H C111 C 7.3G C112 C 7.4G C113 C 7.4G C114 C 7.3H C115 C 7.4H C116 C 7.3H C117 C 7.3G C118 C 7.3G C119 C 7.3H C120 C 7.2H C121 C 7.2D C122 C 7.1H C123 C 7.2G C124 C 7.1H C125 C 7.2H C126 C 3.5B C127 C 7.2H C128 C 7.1G C129 C 7.1H C130 C 7.1H C131 C 7.1G C132 C 7.1G C133 C 7.1G C134 C 7.1H C135 C 7.1G C136 C 7.2G C137 C 7.2G C138 C 7.1G C139 C 7.1H C140 C 4.5H C141 C_POL 14.5B C142 C_POL 14.5B C143 C 4.3H C144 C 5.4H C145 C 5.2H C146 C 4.4G C147 C 4.2G C148 C 5.3G C149 C 5.1G C150 C 4.4G C151 C 4.2G C152 C 5.3G C153 C 5.1G C154 C 4.4H C155 C 4.2H C156 C 5.3H C157 C 5.1G C158 C 4.5H C159 C 4.5H C160 C 4.3H C161 C 4.3H C162 C 5.4G C163 C 5.4H C164 C 5.2H C165 C 5.2H C166 C 5.2H C167 C 4.4G C168 C 5.3G C169 C 5.1H C170 C 4.4H C171 C 4.2H C172 C 5.3H C173 C 5.1G C174 C 4.5G C175 C 4.5G C176 C 4.3G C177 C 4.3G C178 C 5.4H C179 C 5.4G C180 C 5.2G C181 C 5.2G C182 C 4.2G C183 C 5.3G C184 C 5.1H C185 C 4.4G C186 C 4.5G C187 C 4.3G C188 C 5.4G C189 C 5.2G C190 C 4.4G C191 C 4.2G C192 C 5.3G C193 C 5.1G C194 C 4.4H C195 C 4.2H C196 C 5.3H C197 C 5.1H C198 C 4.2F C199 C 4.2D C200 C 5.2F C201 C 5.2D C202 C 4.4G C203 C 4.2G C204 C 5.3G C205 C 5.1G C206 C 4.4H C207 C 4.2H C208 C 5.3H C209 C 5.1H C210 C 4.4H C211 C 7.3G C212 C 5.3H C213 C 5.1H C214 C 4.4H C215 C 4.2H C216 C 5.3H C217 C 5.1H C218 C 5.3H C219 C 5.3H C220 C 5.5G C221 C 5.5G C222 C 5.5G	C504 C 5.5F C505 C 5.5G C506 C 5.5G C507 C 5.5H C508 C 5.5H C509 C 5.4G C510 C 5.5H C511 C 2.3A C512 C 2.3A C513 C 2.4H C514 C 2.3B C515 C 2.3B C516 C 7.4H C517 C 2.3B C518 C 7.4H C519 C 2.3A C520 C 2.3A C521 C 2.4E C522 C 3.5A C523 C 3.5A C524 C 7.4G C525 C 2.3A C526 C 2.3A C527 C 3.2D C528 C 3.2D C529 C 3.2D C530 C 3.2D C531 C 3.2E C532 C 3.2D C533 C 7.5H C534 C 3.1D C535 C 3.1D C536 C 3.2D C537 C 3.2D C538 C 3.1D C539 C 3.2D C540 C 3.1D C541 C 2.1G C542 C 3.2E C543 C 2.4G C544 C 2.2G C545 C 2.3G C546 C 3.1G C547 C 3.1D C548 C 2.3G C549 C 7.5H C550 C 3.1E C551 C 2.3H C552 C 2.1G C553 C 2.3H C554 C 2.3H C555 C 2.2G C556 C 2.2G C557 C 2.2H C558 C 3.1D C559 C 2.2G C560 C 2.3G C561 C 2.1H C562 C 2.3G C563 C 2.3G C564 C 2.4G C565 C 3.1D C566 C 3.1E C567 C 2.2G C568 C 2.2G C569 C 2.2H C570 C 2.2G C571 C 3.1D C572 C 2.3G C573 C 2.4G C574 C 2.1G C575 C 2.4G C576 C 2.3G C577 C 2.3G C578 C 13.4B C579 C 2.3H C580 C 2.3H C581 C 3.1D C582 C 3.1D C583 C 2.1H C584 C 4.4G C585 C 2.3H C586 C 2.3F C587 C 2.4G C588 C 13.4A C589 C 2.4H C590 C 11.1A C591 C 3.1G C592 C 3.1E C593 C 11.3A C594 C 2.4H C595 C 13.5B C596 C 2.4H C597 C 11.3B C598 C 13.5B C599 C 13.4B C600 C 8.3A C601 C 2.3F C602 C 13.3E C603 C 7.4H C604 C 3.2D C605 C 8.1B C606 C 10.2E C607 C 8.1A C608 C 7.5G C609 C 13.3D C610 C 13.3D C611 C 8.1A C612 C 13.3D C613 C 13.4A C614 C 13.1D	C615 C 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