

P2132-A01

NVG GK208 DDR3 64BIT

DP + HDMI + VGA(Fly Cable)

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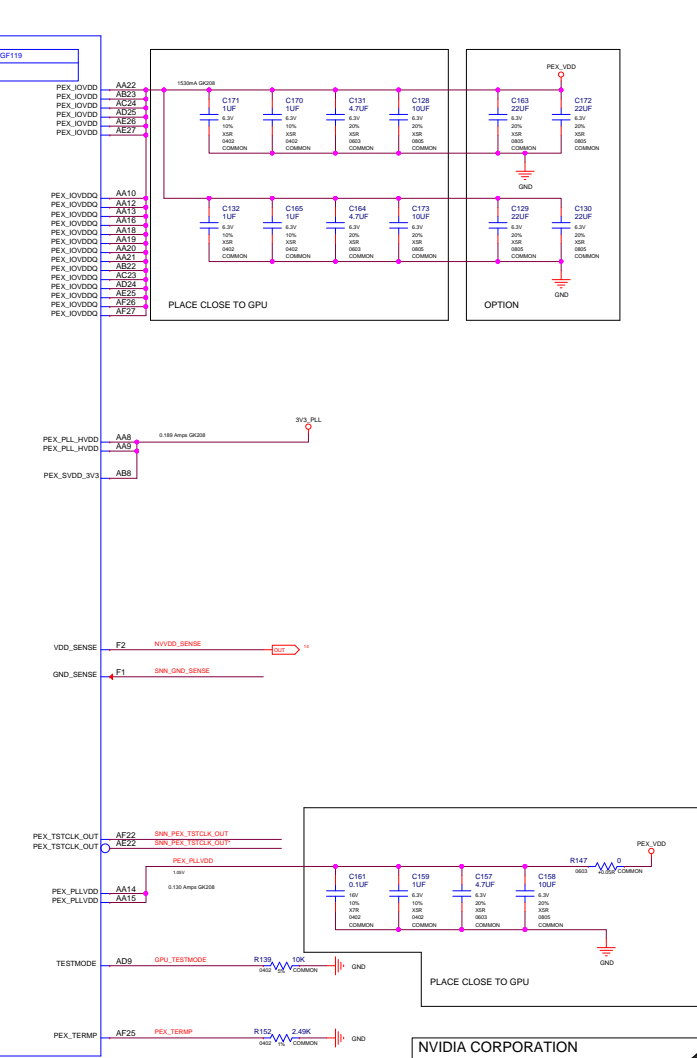
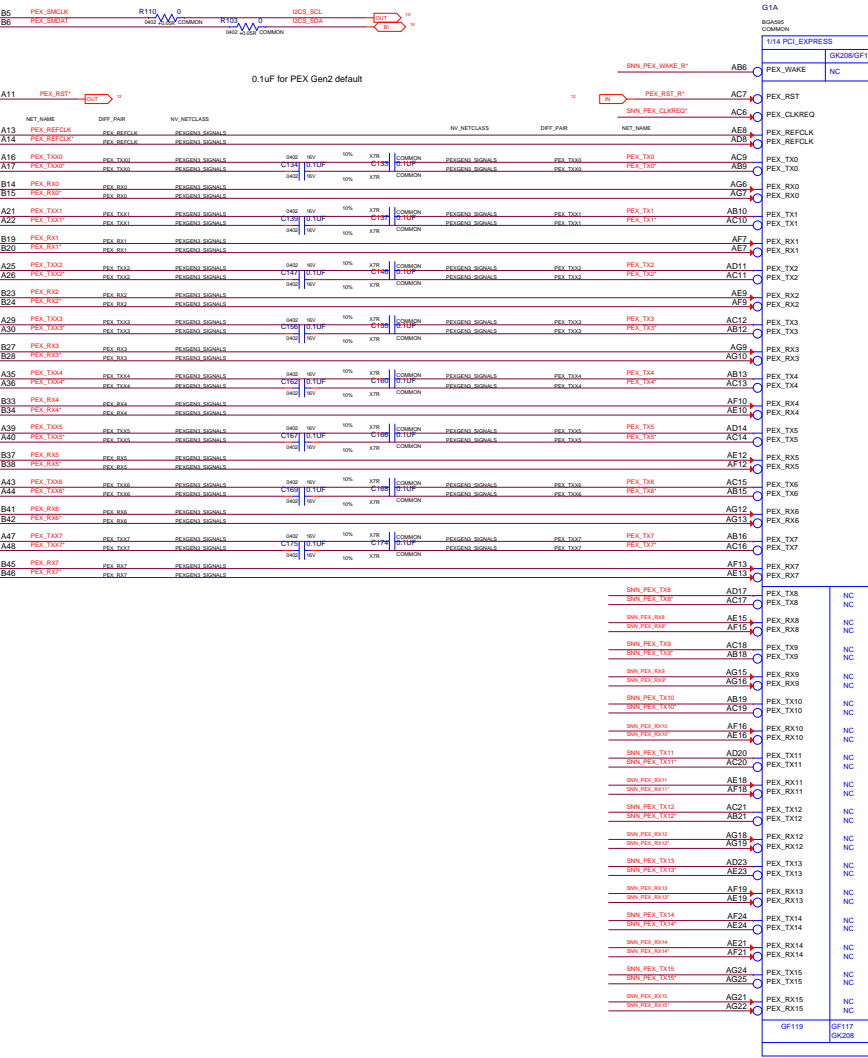
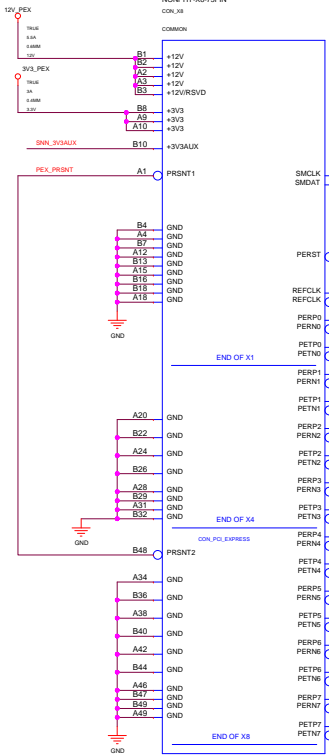
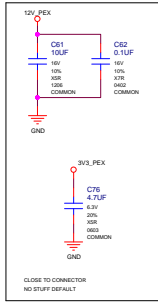
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PCI EXPRESS

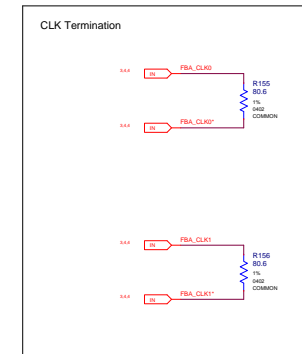
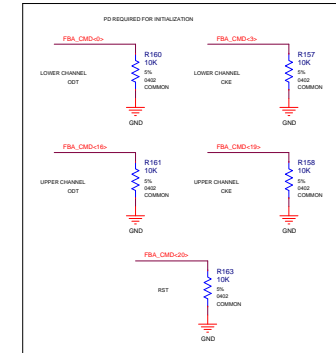
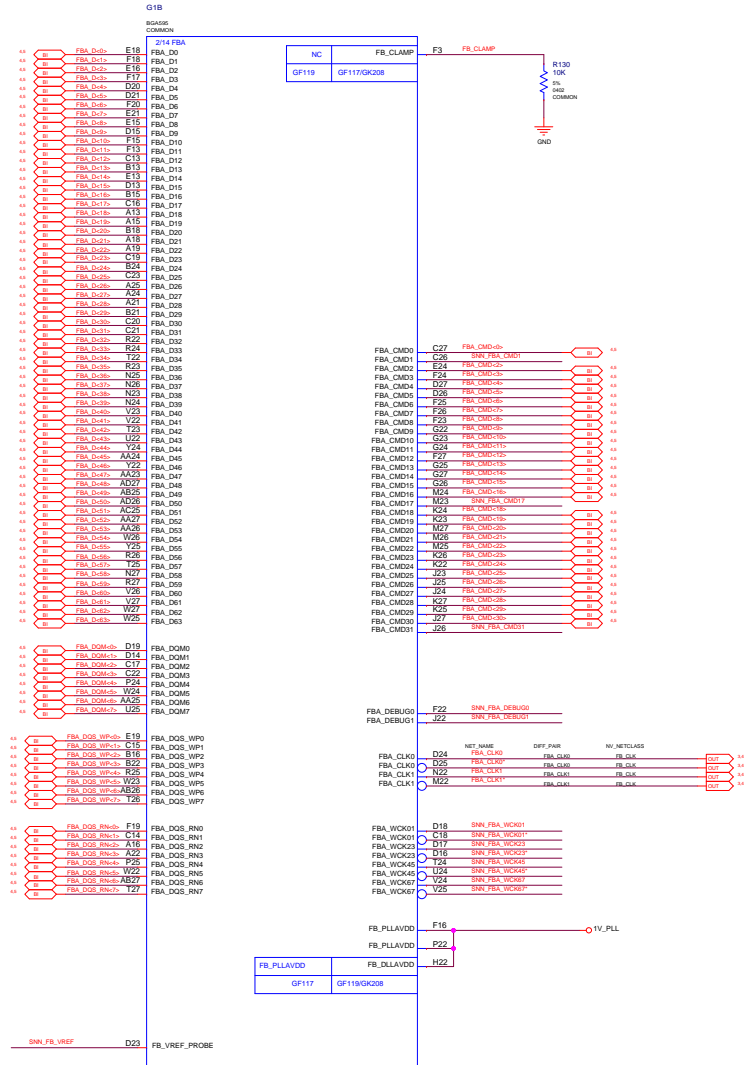


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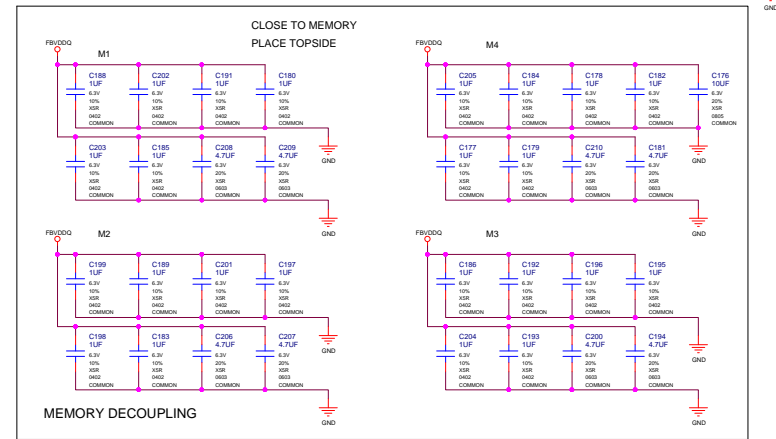
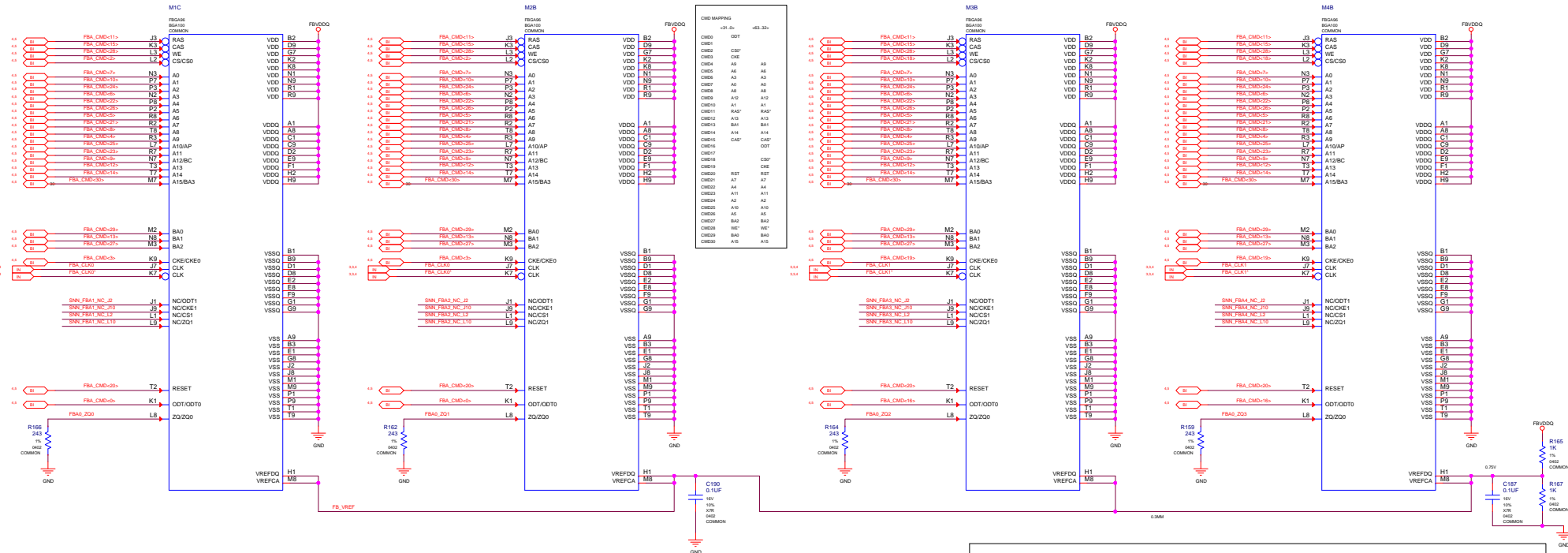
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GPU FRAME BUFFER: PARTITION A



DDR3 Memories



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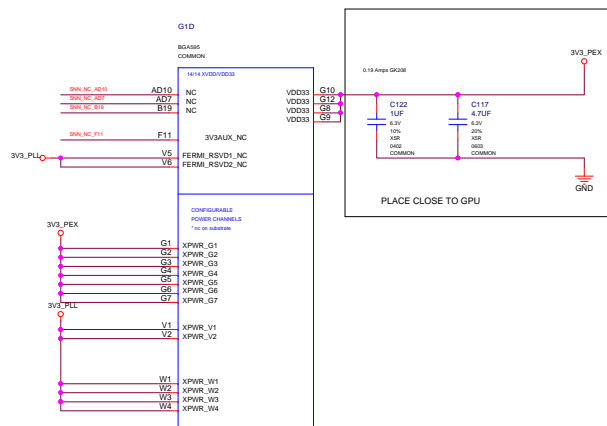
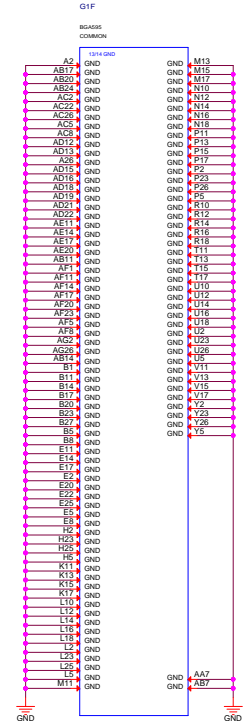
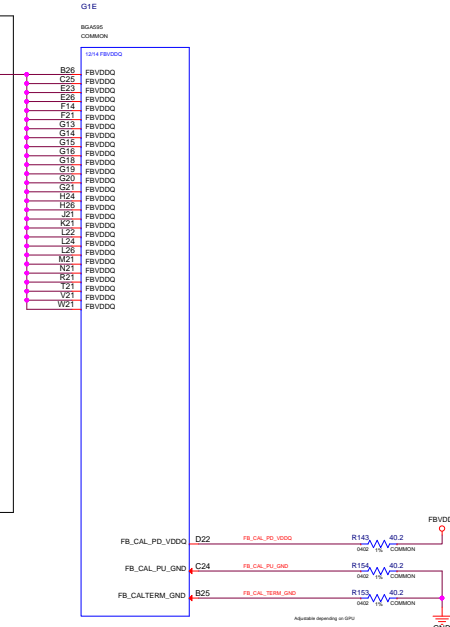
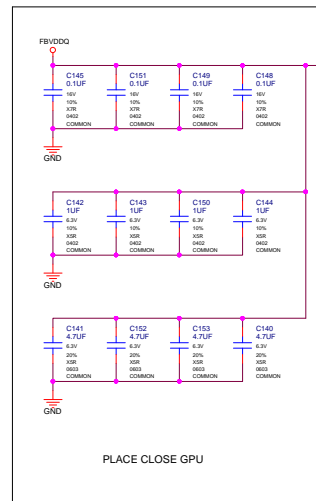
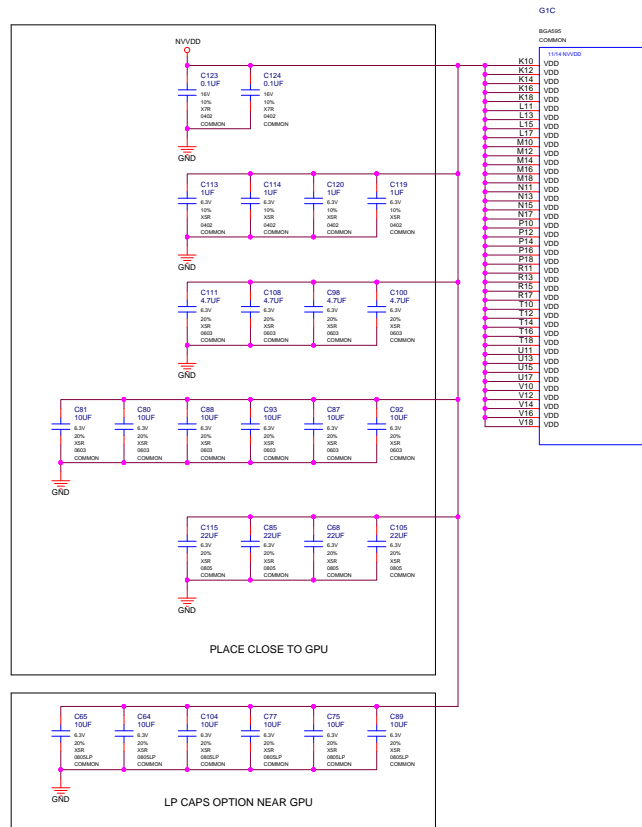
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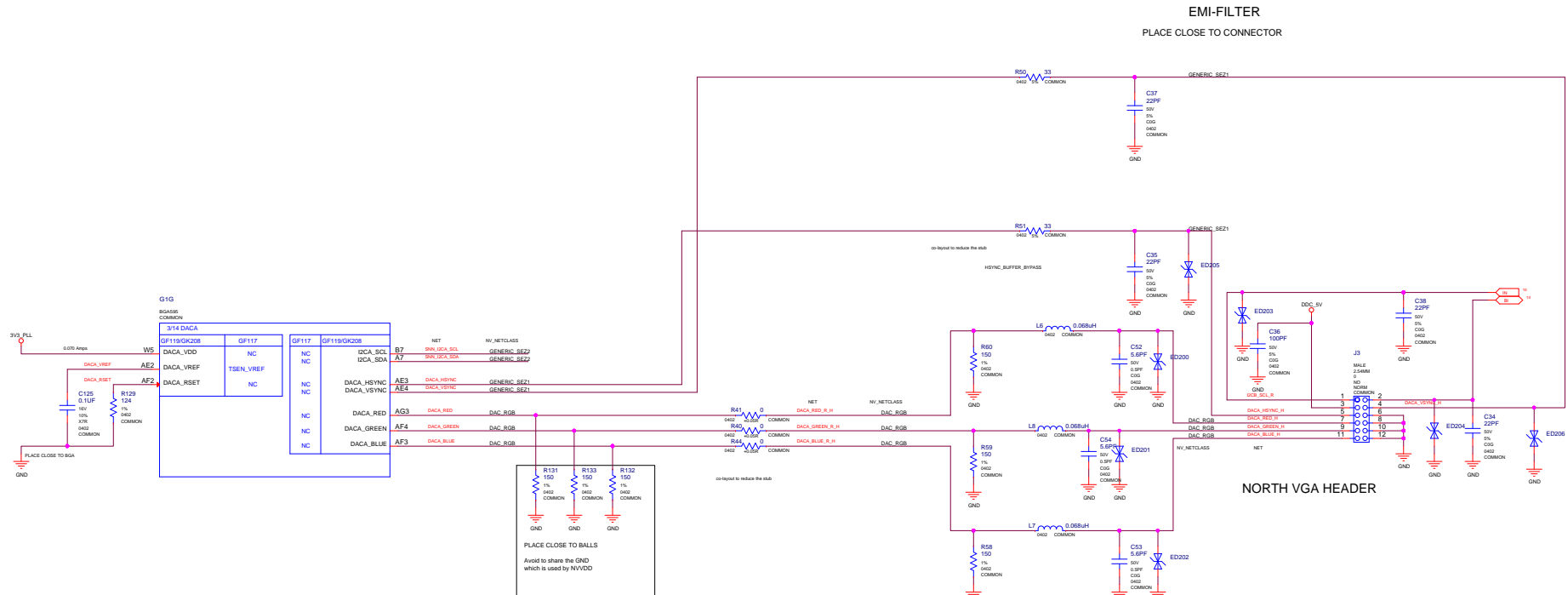
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DECOUPLING FOR CORE POWER_TOP




DACA VGA

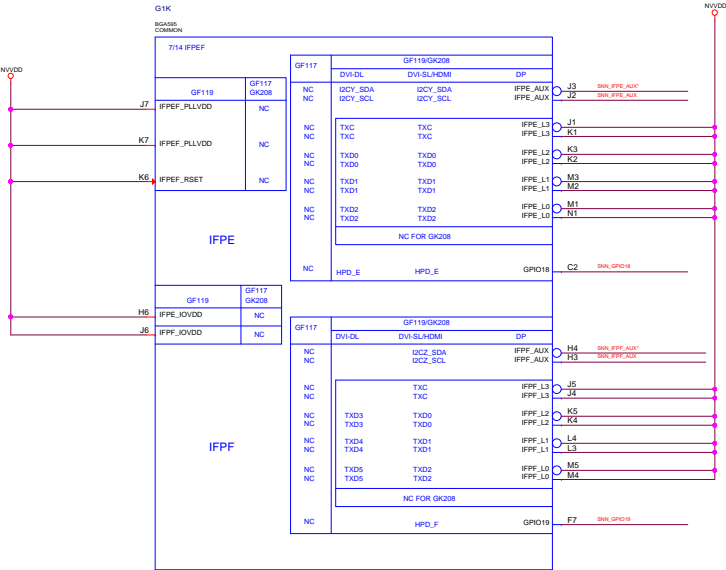
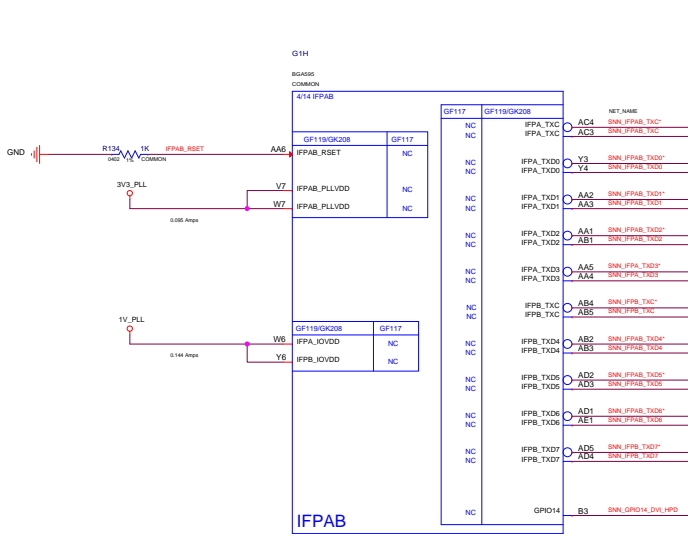


GK208 GB2-64 package only supports
DACA, so one SKU can only have
one VGA output: North or South.

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IFPAB, IFPE & IFPF TMDs



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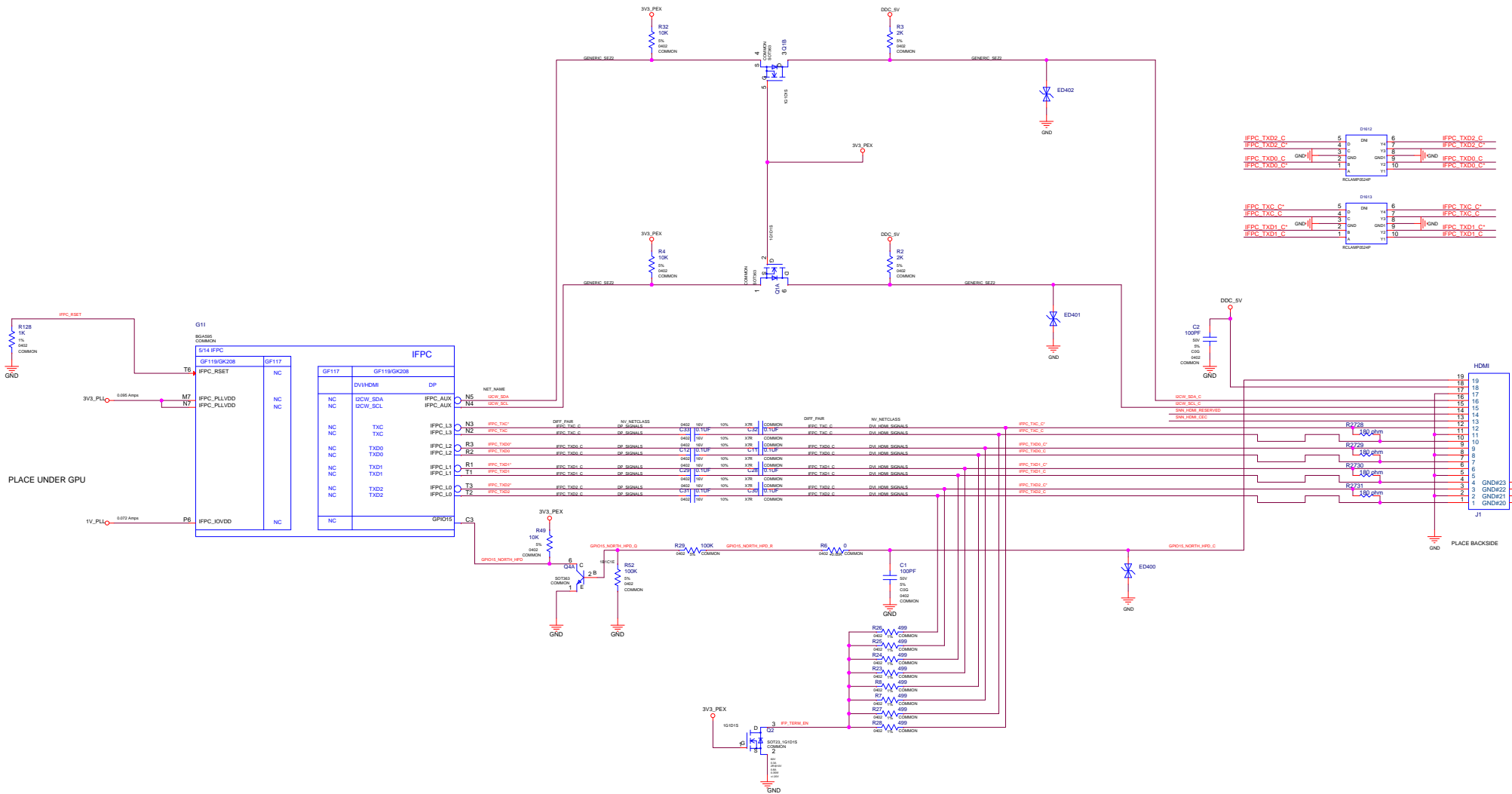
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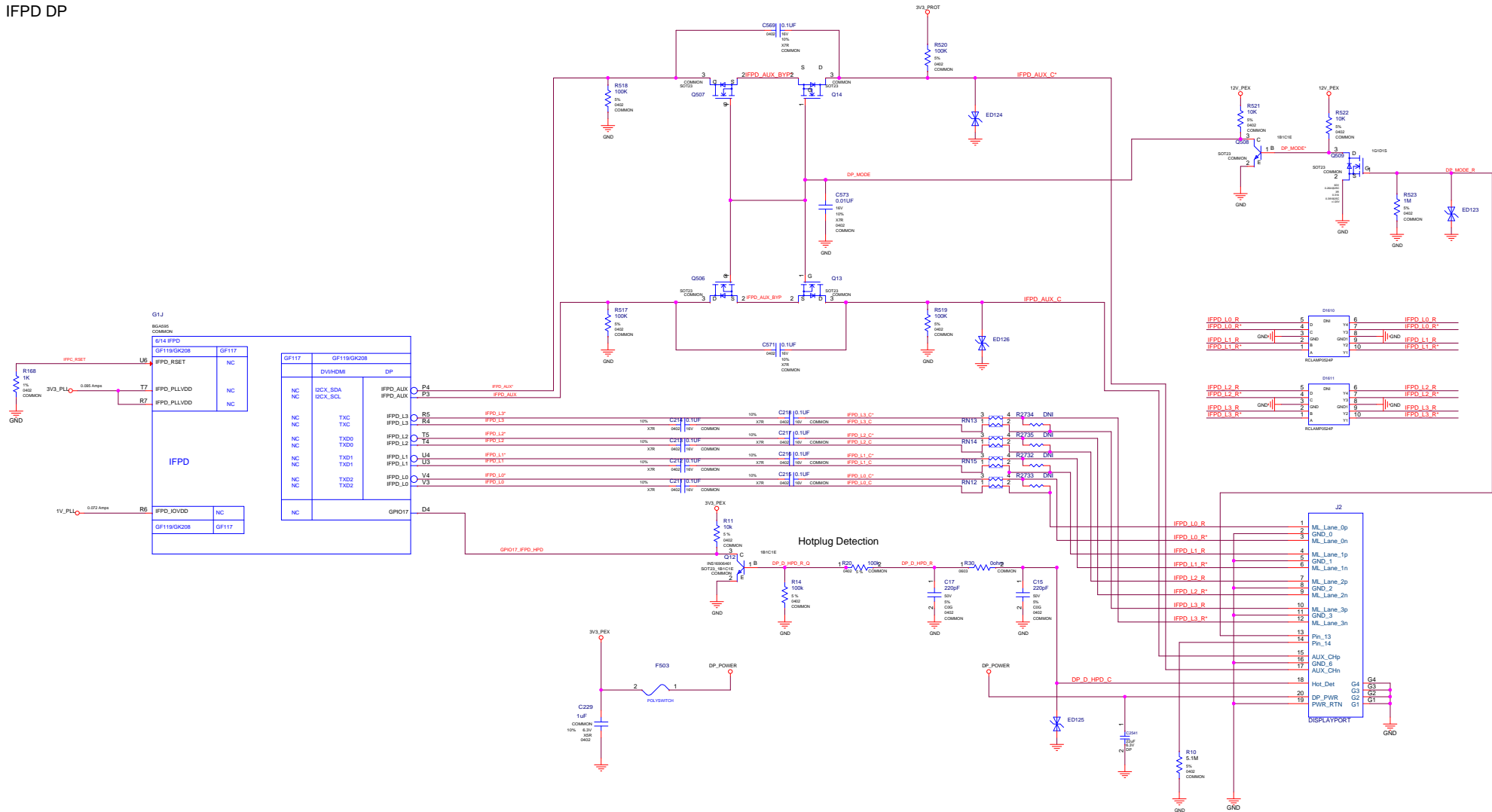


IFPC HDMI



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IFPD DP



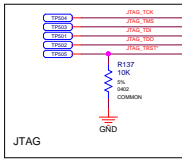
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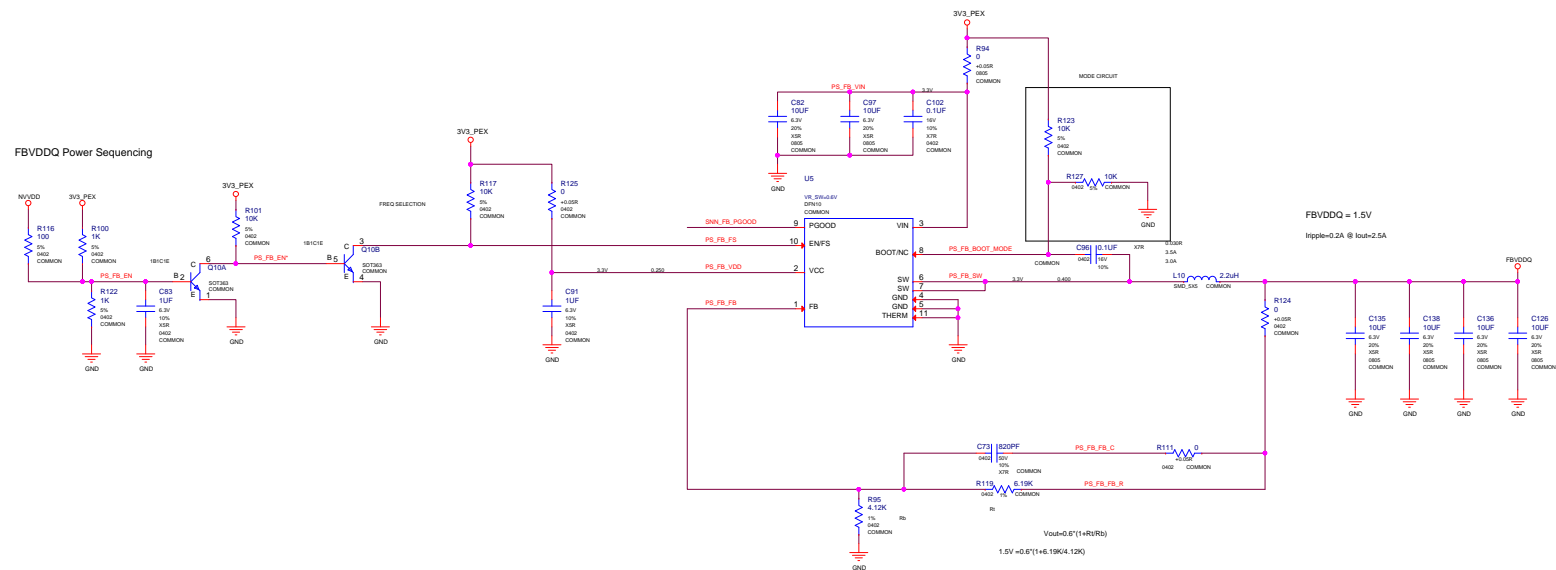
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XTAL_SSIN	XTAL_OUTBUFF	Inverted P
0 0	0 (100% HIGH)	
0 1	33 (67% HIGH)	
1 0	50 (50% HIGH)	
1 1	67 (33% HIGH)	

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POWER SUPPLY II: FBVDDQ



OPEN VREG TYPE-0

$$V_{out} = V_{ref} * (1 + R_2/R_1)$$

$$V_{ref} = 0.6V: \quad 1.5V = 0.6V * (1 + 1.87k/1.24k)$$

PS	Freq	Vref	Tot
316-0168-000: AP34362NTR 1MHz	0.6V	1.5%	
316-0134-000: RT8071AZQW 1MHz	0.6V	1.5%	
316-0746-000: UP1728PCCA 1MHz	0.6V	1.5%	

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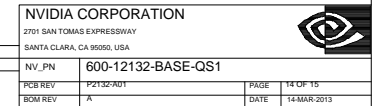


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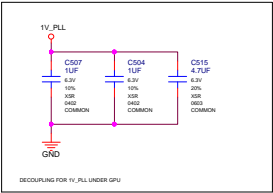
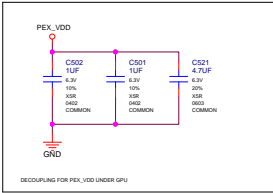
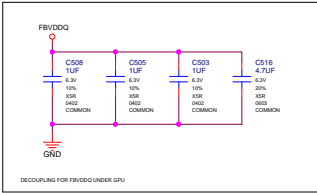
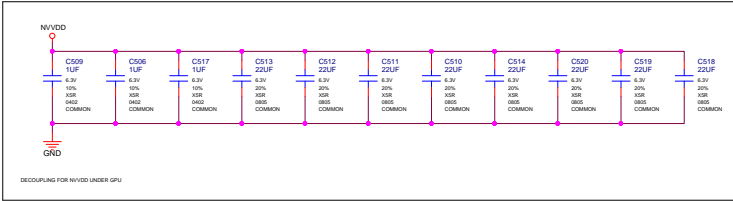
NVVDD Power Sequencing

values for Rb1, Rb2
Rb3, Rb4 and Rb5
will be calculated based
on the needed voltages



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