

PG411 A01


GP104 - 8GB GDDR5, 256b, 256Mx32
Tall DVI-D + DP + DP + DP/HDMI + DP

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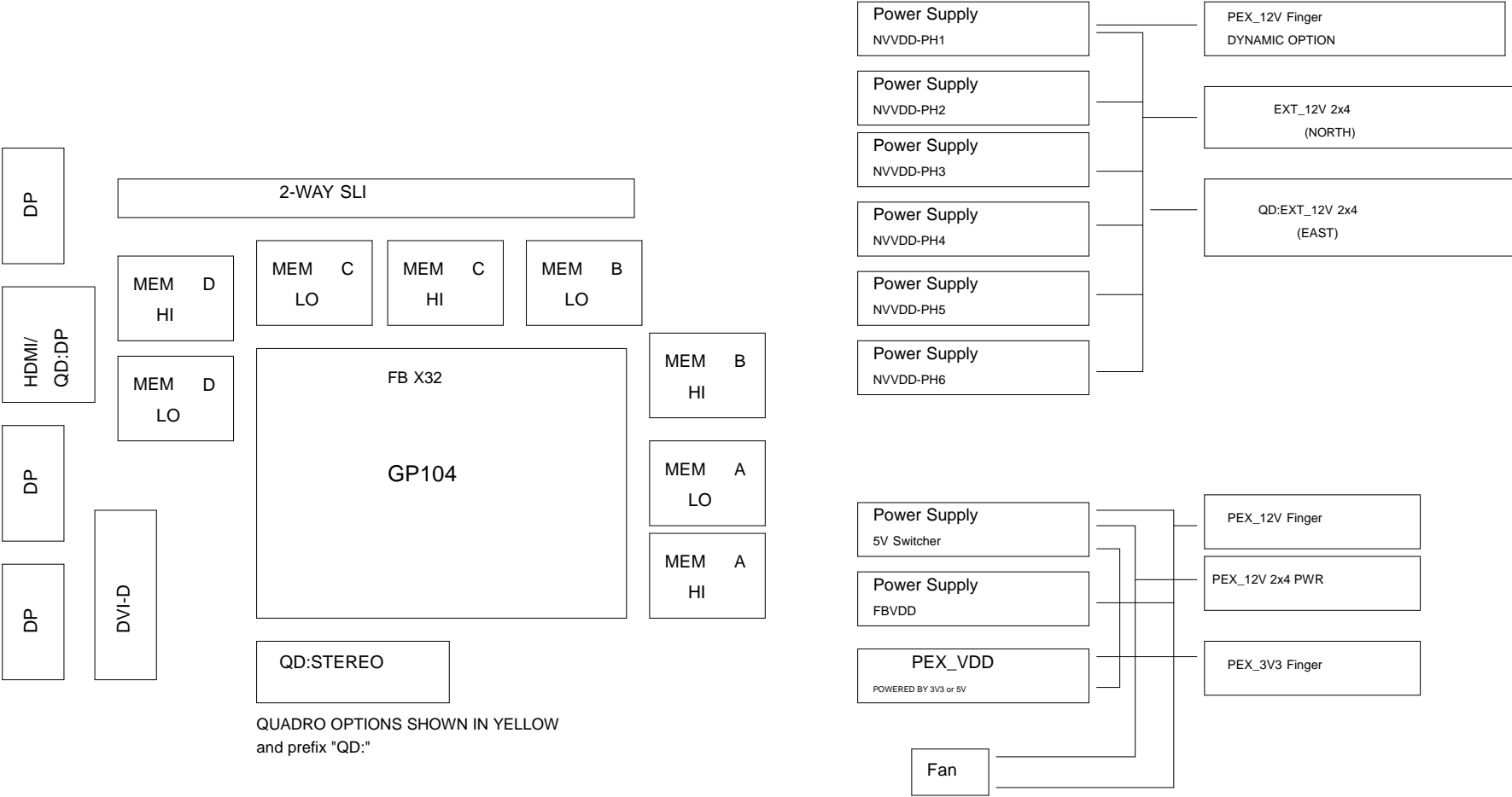
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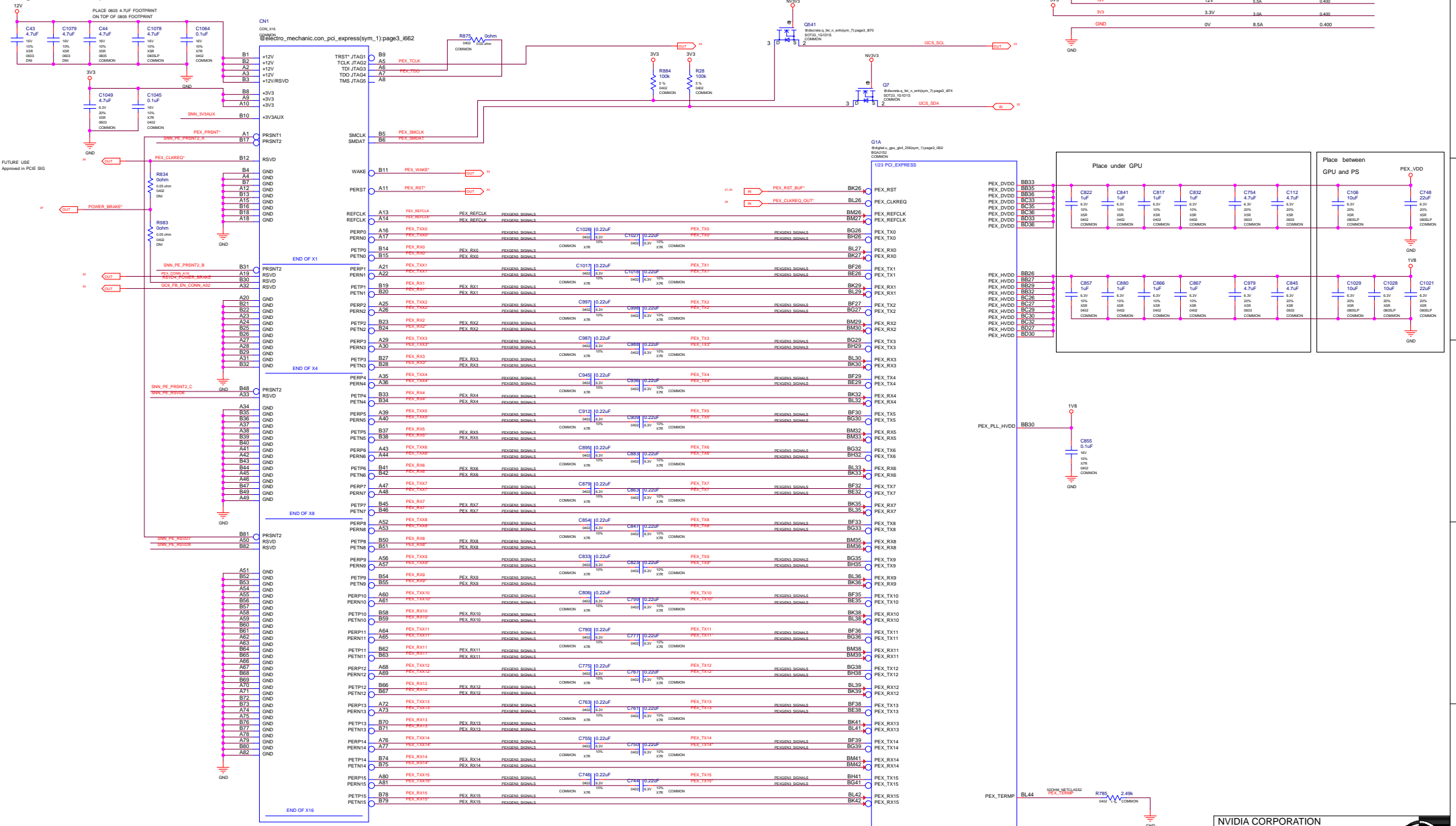
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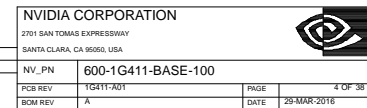
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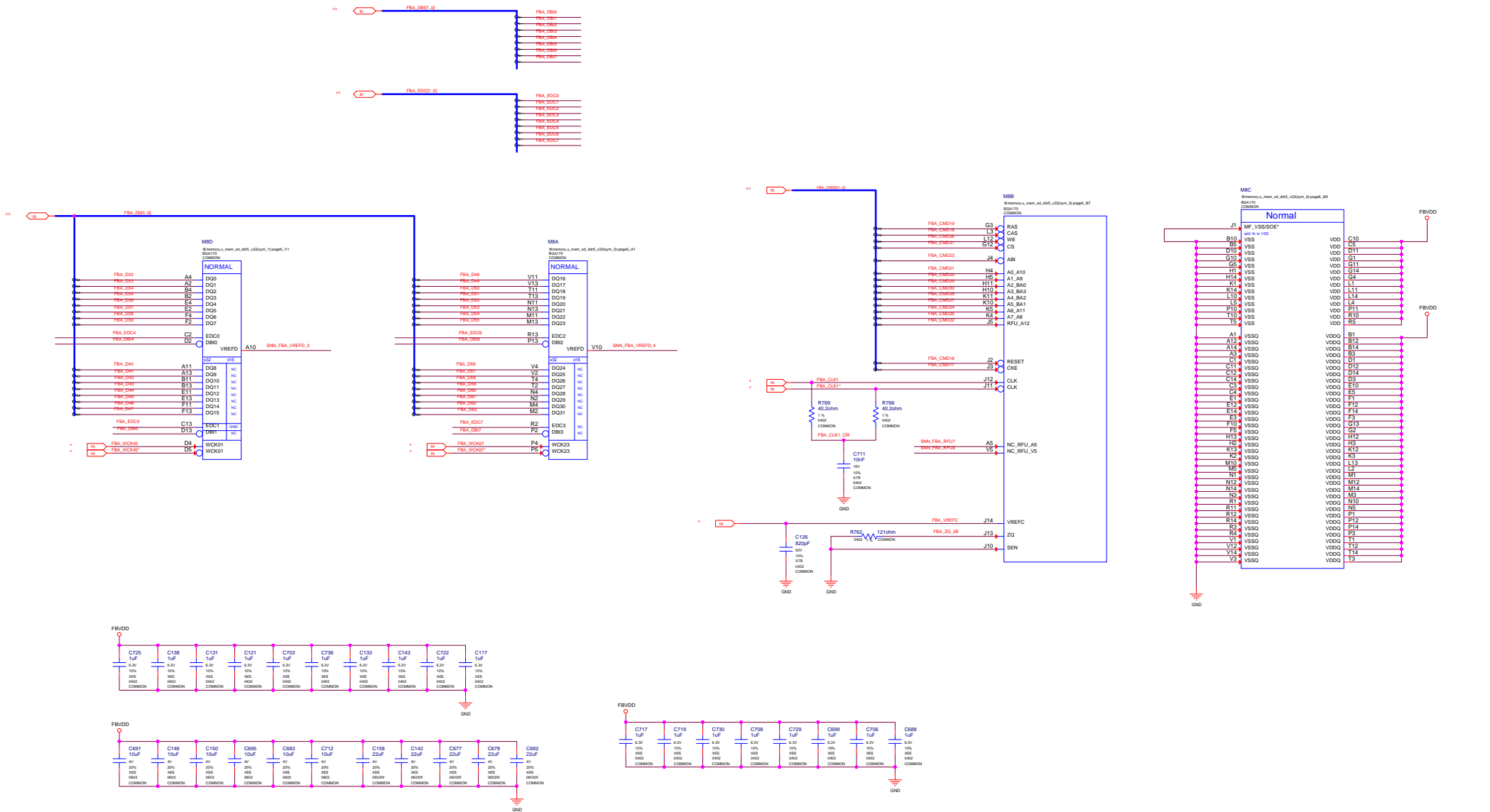


ASSEMBLY	«ASSEMBLY_DESCRIPTION»
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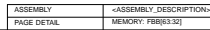
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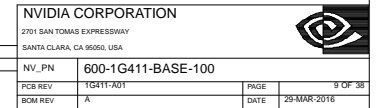
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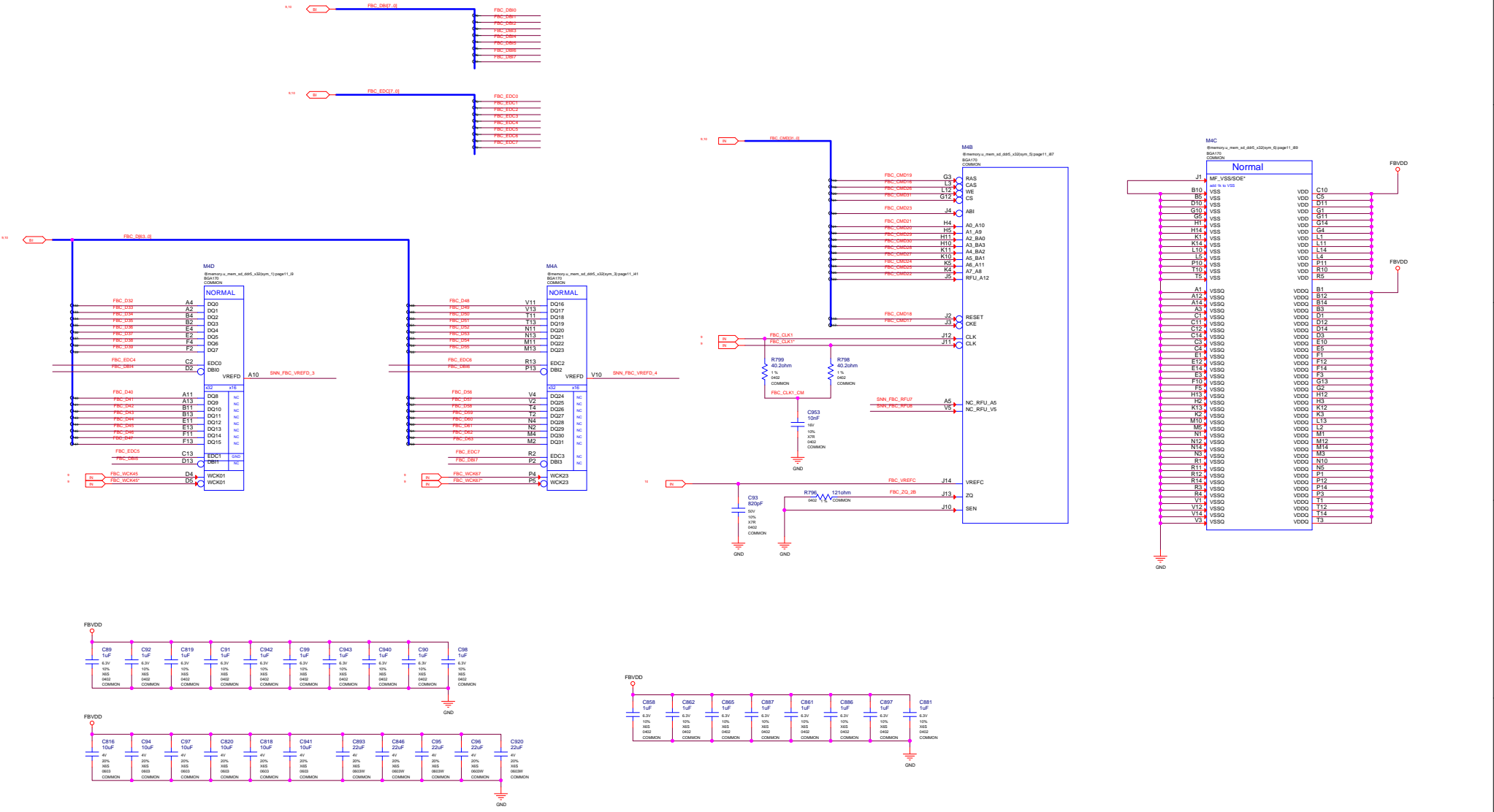
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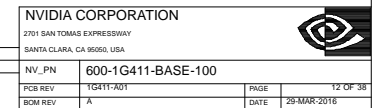


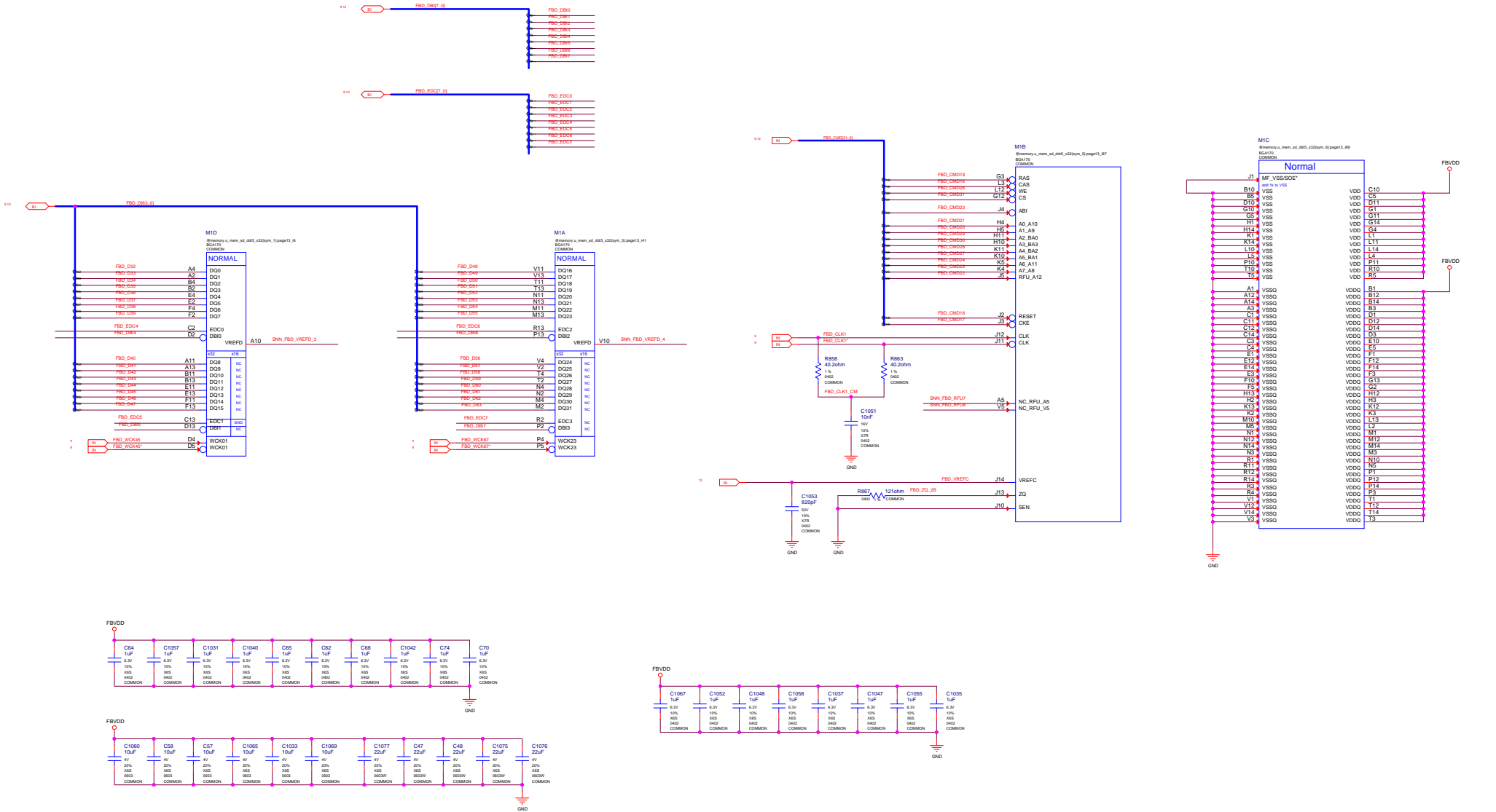


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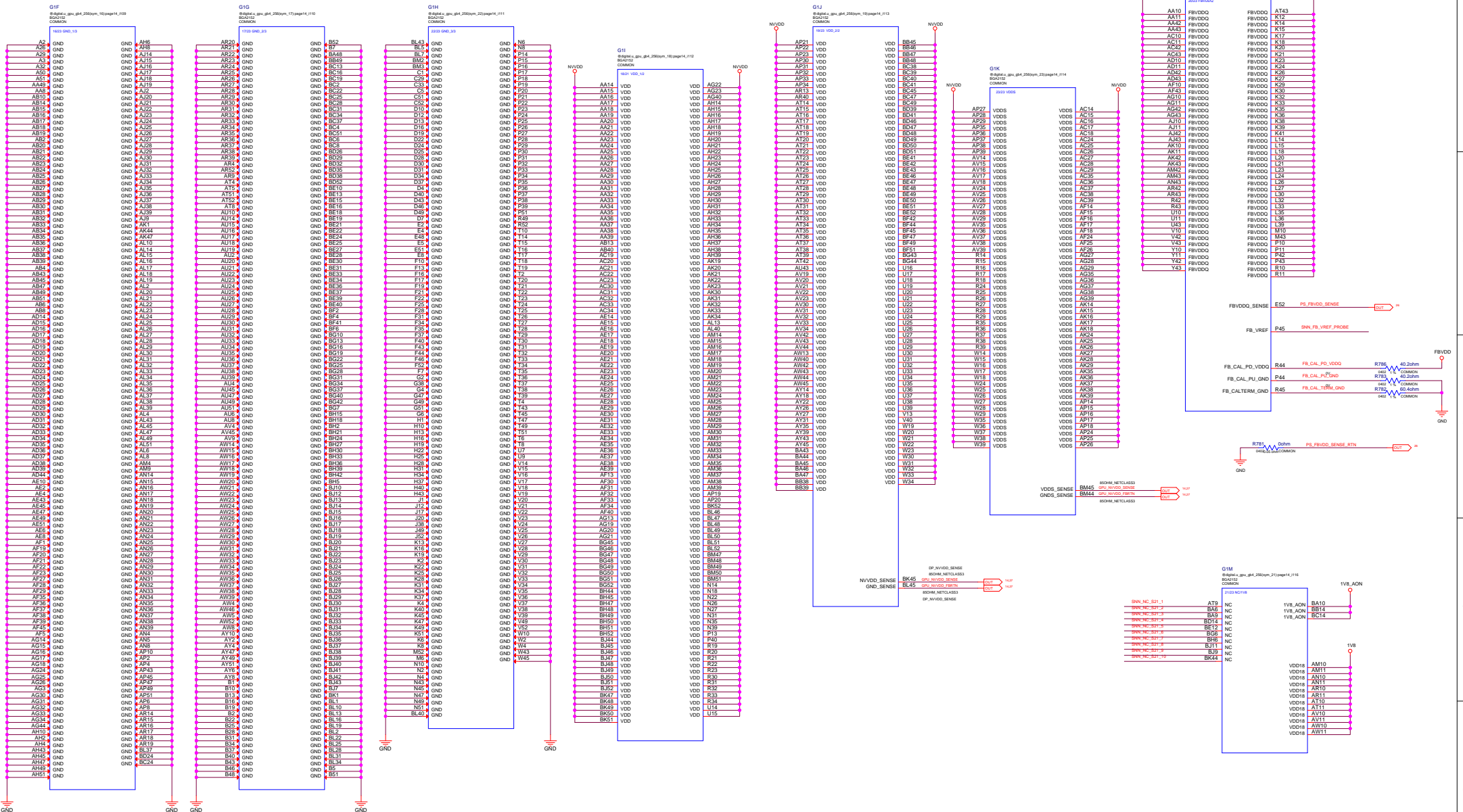
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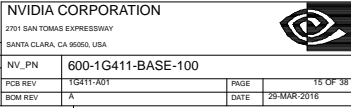


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GPU PWR and GND	
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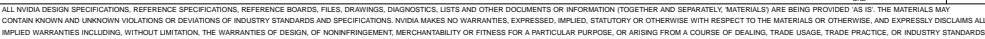


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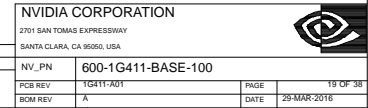
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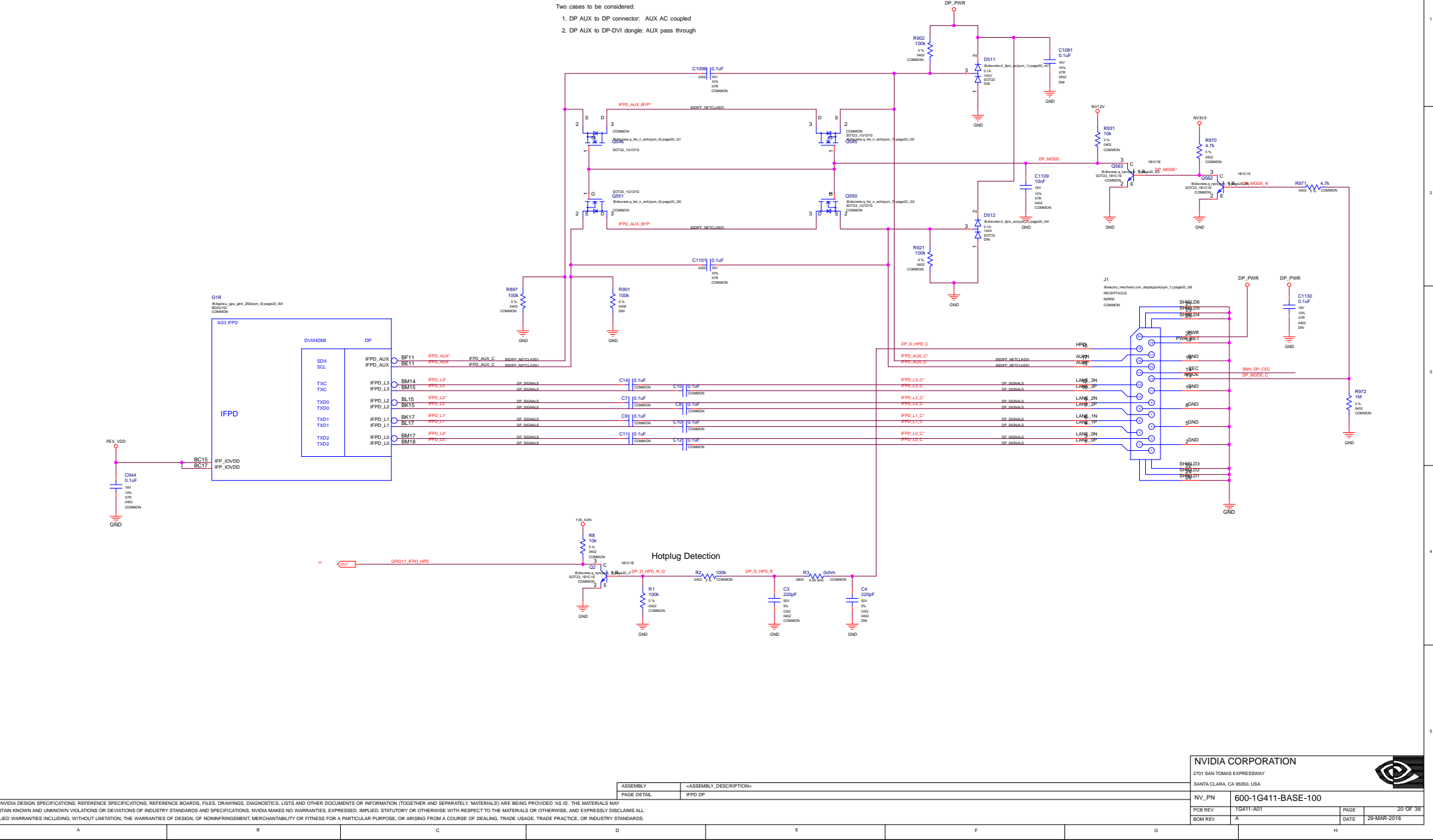
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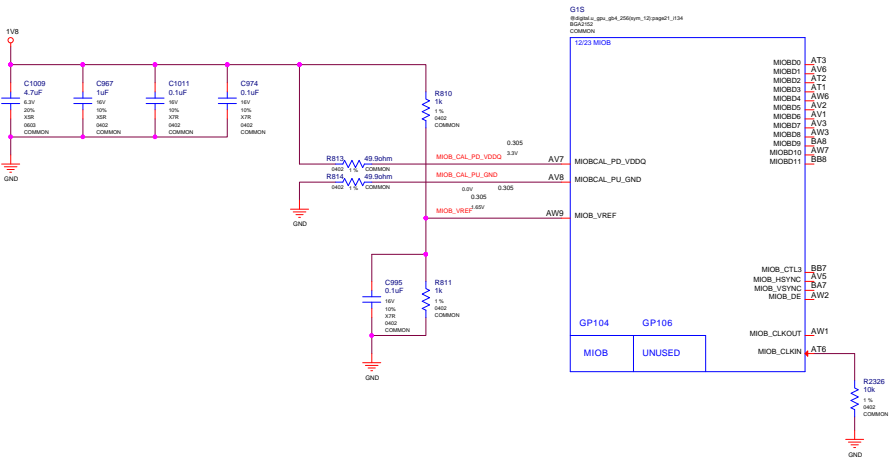
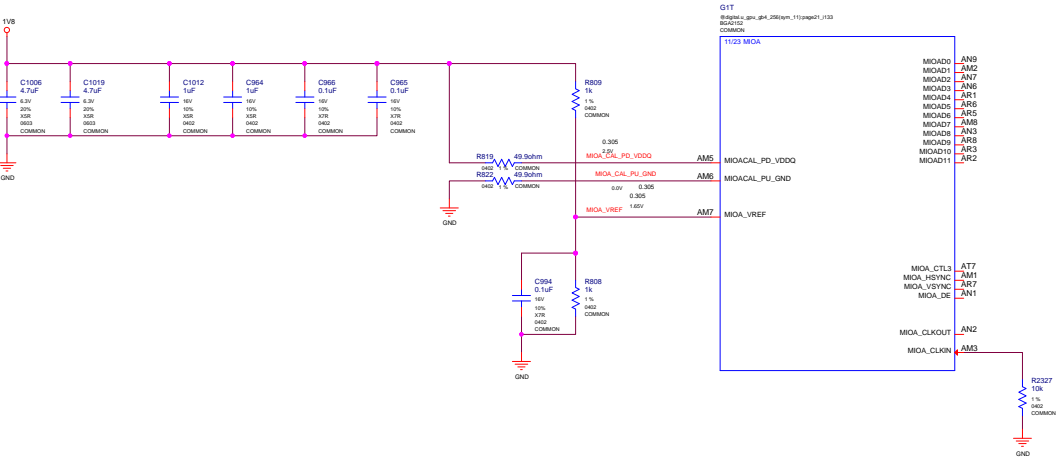
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ASSEMBLY	ASSEMBLY DESCRIPTION
PAGE DETAIL	MIOA/B Interface and Frame Lock

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STRAP2	STRAP1	STRAP0	RAMCFG[4:0]
L	L	L	00000
L	H	L	00010
L	H	H	00011
H	H	L	00110
H	H	H	00111

ROM_SO	ROM_SI	ROM_SCLK	SOR_EXPOSED[3:0]	1:ENABLE 0:DISABLE
L	L	L	1111	DEFAULT
L	L	L	1110	SOR0/1/2/3 ENABLE
L	H	L	1101	
L	H	H	1100	
H	L	L	1011	
H	L	H	1010	
H	H	L	1001	
H	H	H	1000	
L	L	M	0111	
L	M	L	0110	
L	M	H	0101	
L	H	M	0100	
H	L	M	0011	
H	M	L	0010	
H	M	H	0001	
H	H	M	0000	

STRAP5	STRAP4	STRAP3	SMB_ALT_ADDR	DEVID_SEL	PCIE_CFG	VGA_DEVICE
M	H	H	1	1	1	1
M	H	L	1	1	1	0
M	L	H	1	1	0	1
M	L	L	1	0	1	0
L	H	M	1	0	1	1
L	M	H	1	0	0	1
L	L	M	1	0	0	0
H	H	H	0	1	1	1
H	H	L	0	1	1	0
H	L	H	0	1	0	1
H	L	L	0	1	0	0
L	H	H	0	0	1	1
L	H	L	0	0	1	0
L	L	H	0	0	0	1
L	L	L	0	0	0	0

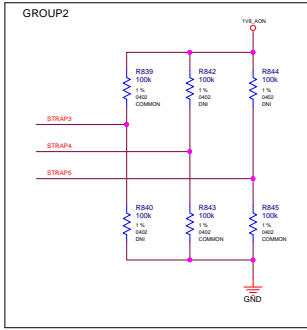
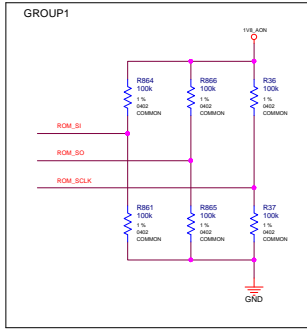
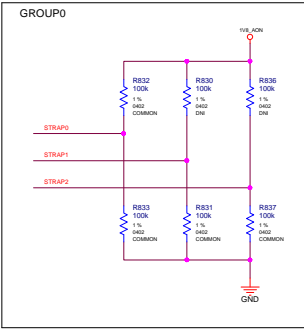
H=High :Tied to 1.8V
M=Middle:Tied to 0.9V
L=Low :Tied to 0V

1:SMB_ALT_ADDR ENABLE
0:SMB_ALT_ADDR DISABLE

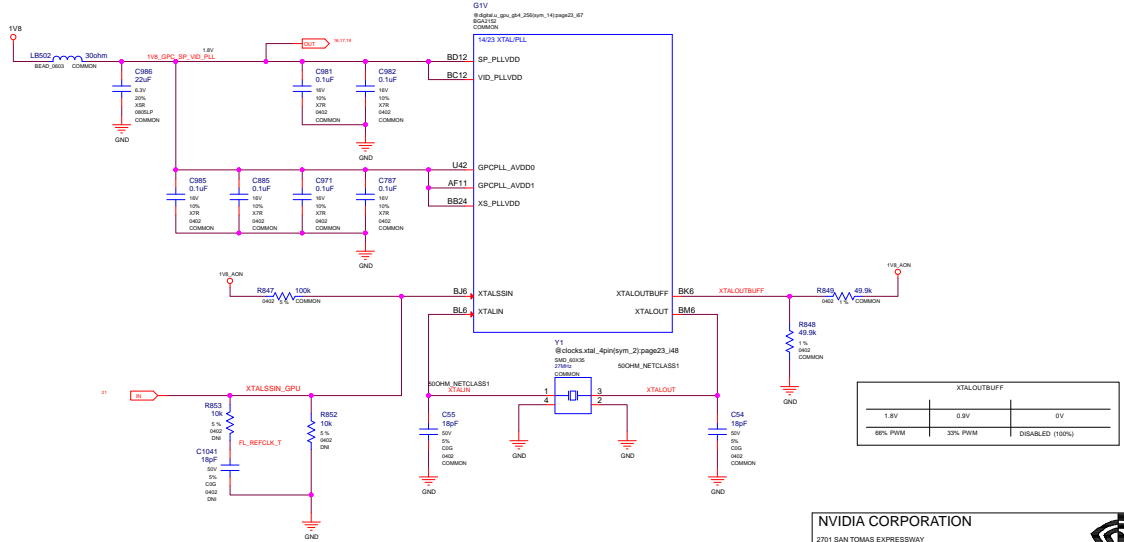
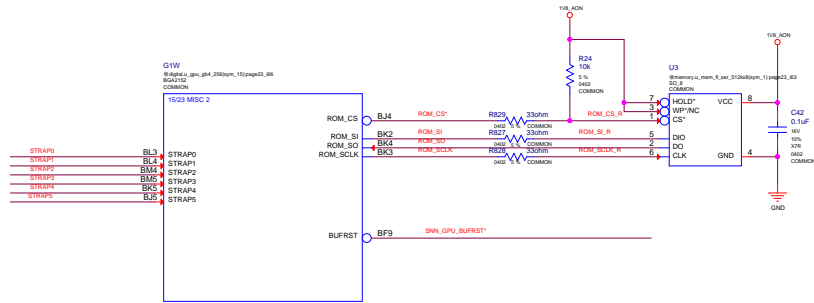
1:DEVID_SEL REBRAND
0:DEVID_SEL ORIGINAL

1:PCIE_CFG LOW POWER
0:PCIE_CFG HIGH POWER

1:VGA_DEVICE ENABLE
0:VGA_DEVICE DISABLE



CFG[3:0] Config Width	Vendor
0000	256Mx32 256-bit Samsung
0001	256Mx32 256-bit Micron
0010	256Mx32 256-bit Hynix
0011	Reserved
0100	Reserved
0101	Reserved
0110	Reserved
0111	Reserved



XTALOUTBUFF		
1.8V	0.9V	0V
85% PWM	35% PWM	DISABLED (100%)

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$$\text{NORM}(x) = 1/2\pi \cdot \exp(-x^2/2) \quad \text{for } x \in \mathbb{R}$$
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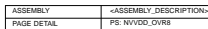


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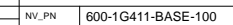


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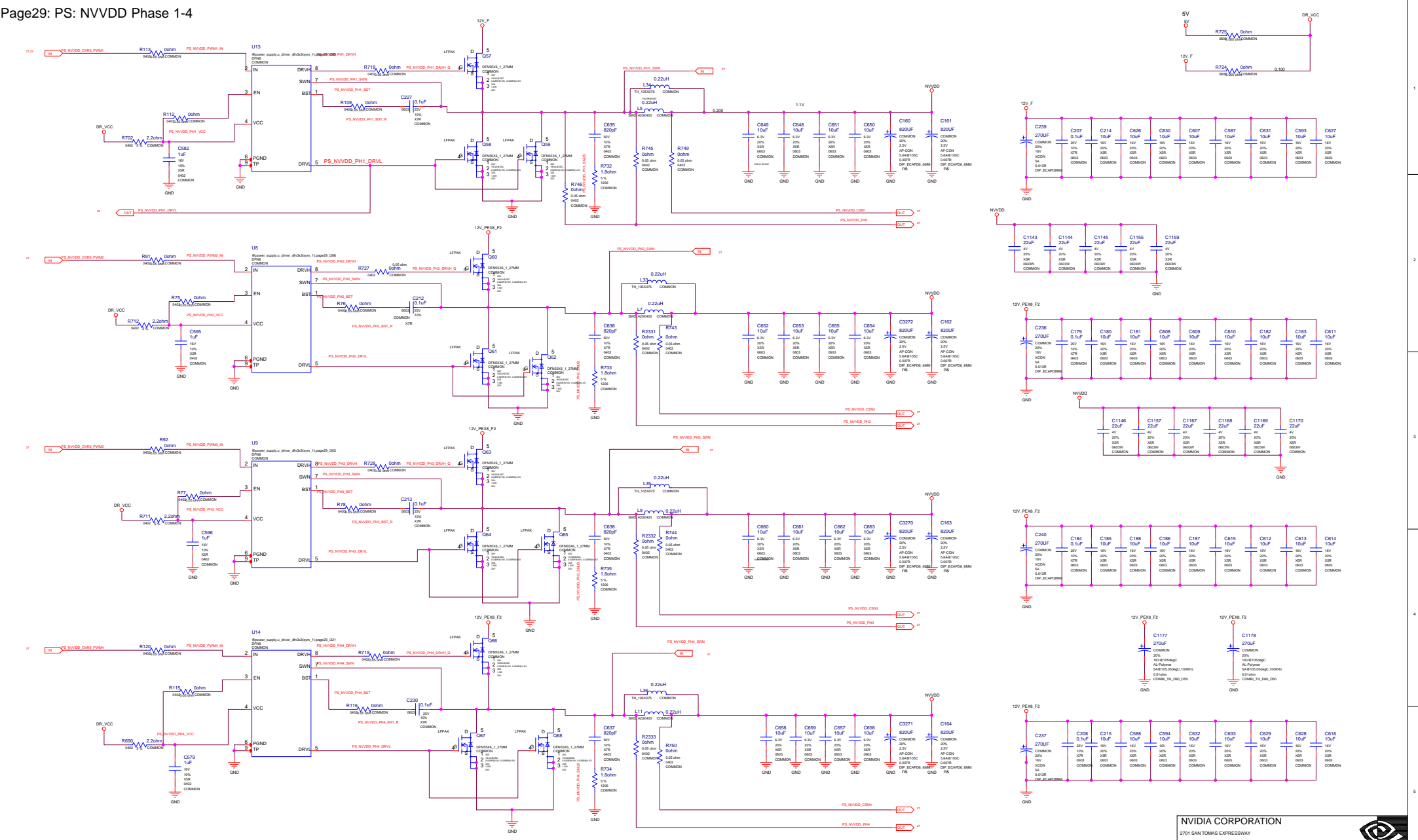
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ASSEMBLY	<ASSEMBLY DESCRIPTION>
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ASSEMBLY

ASSEMBLY DESCRIPTION

PS: Dynamic Power Balance Phases

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ASSEMBLY	ASSEMBLY DESCRIPTION
PAGE DETAIL	PS: Dynamic Power Balance Logic

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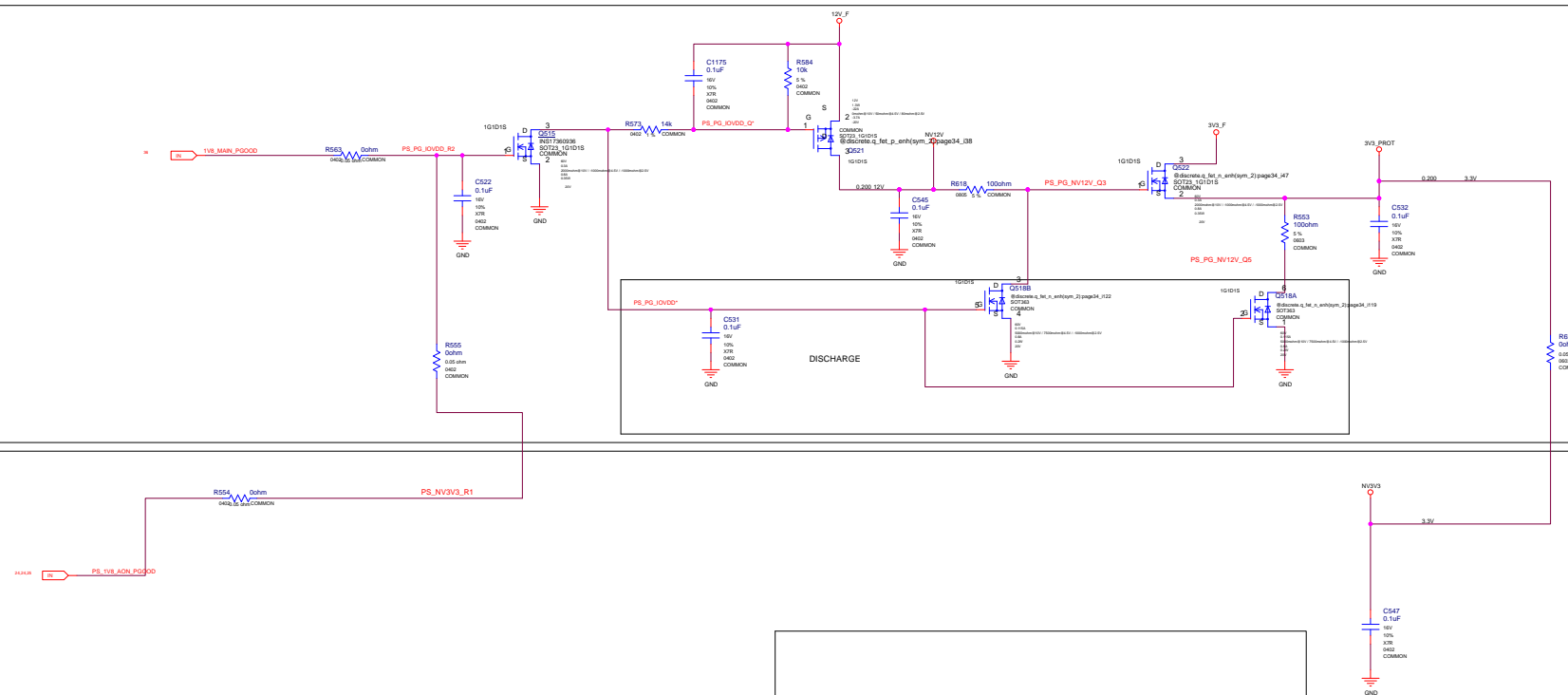
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PAGE DETAIL	PS: NV3V3, NV12V

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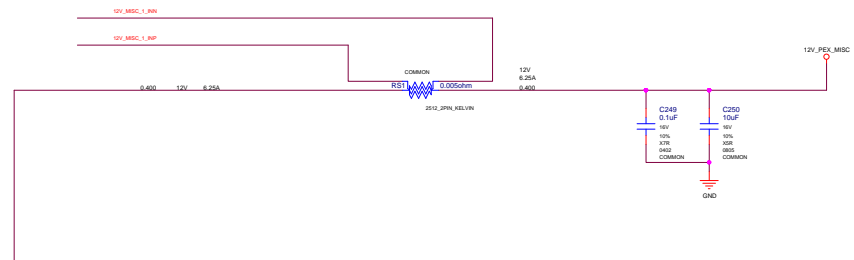
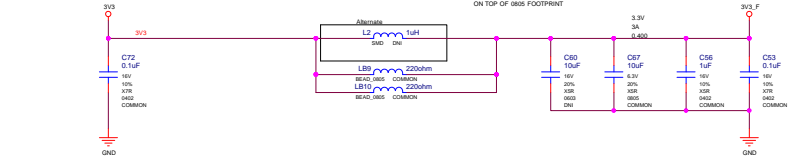
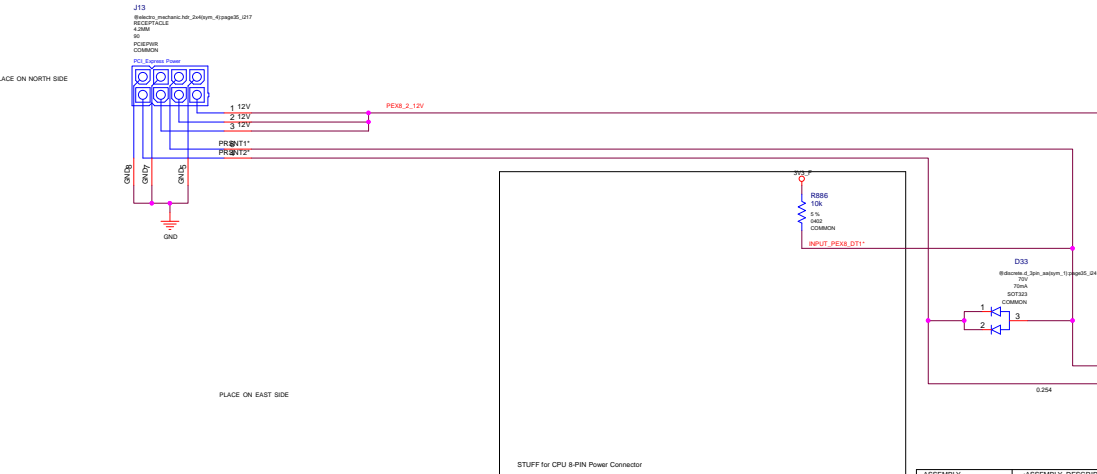
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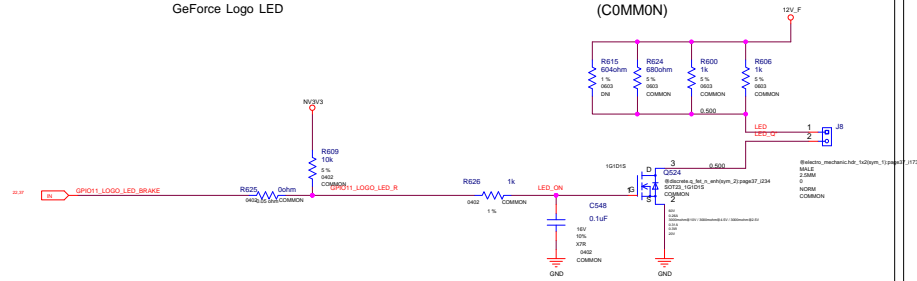
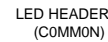
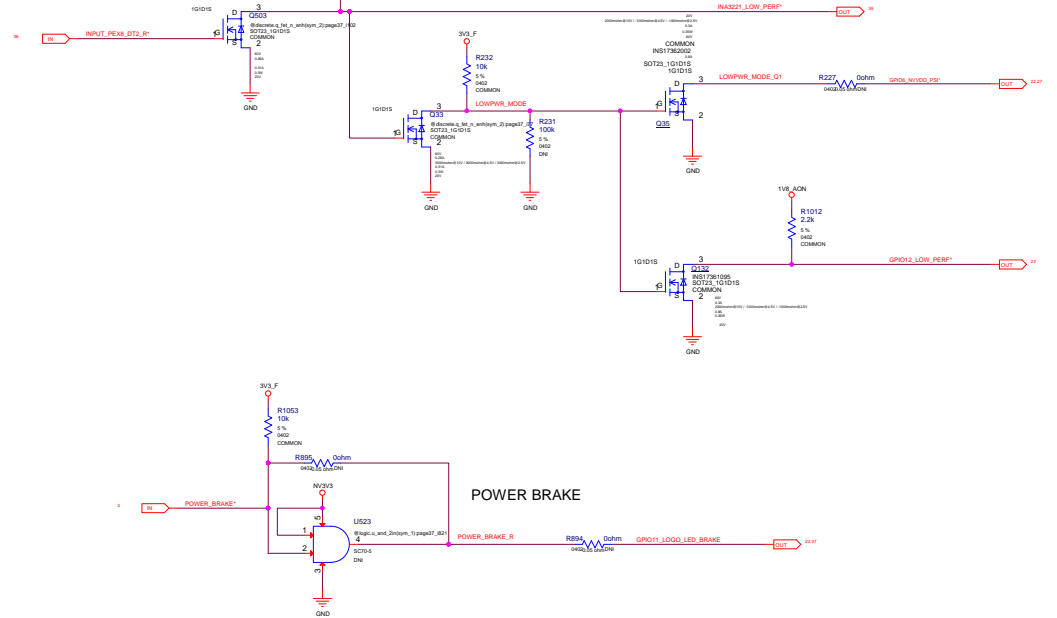
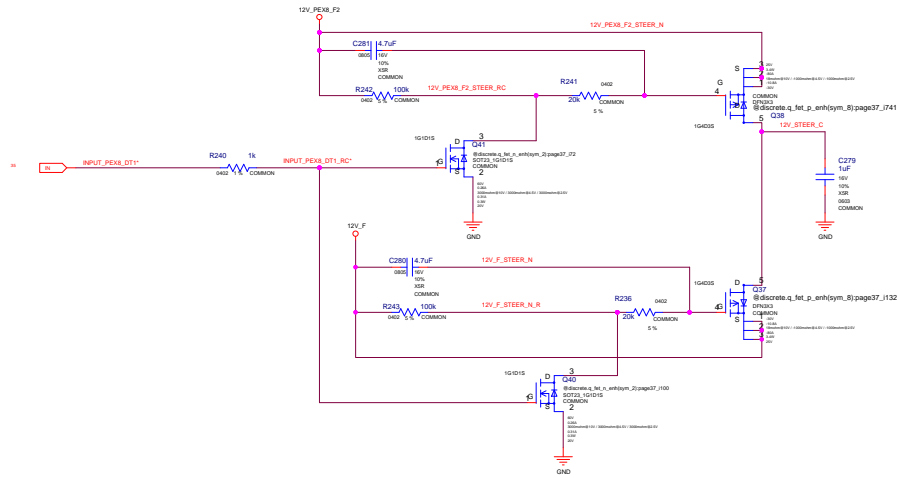
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PAGE DETAIL	PS: Inputs, Filtering, and Monitoring


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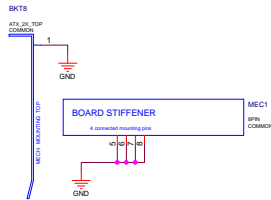
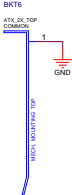
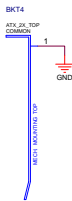
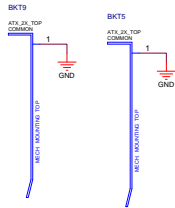
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SLI LED (GEFORCE ONLY)

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Brackets:



GPU Stiffner

Mechanical Holes Symbol



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