

PG161-B00

TU106 8GB GDDR6, 192b, X16  
DVI-D + DP + HDMI

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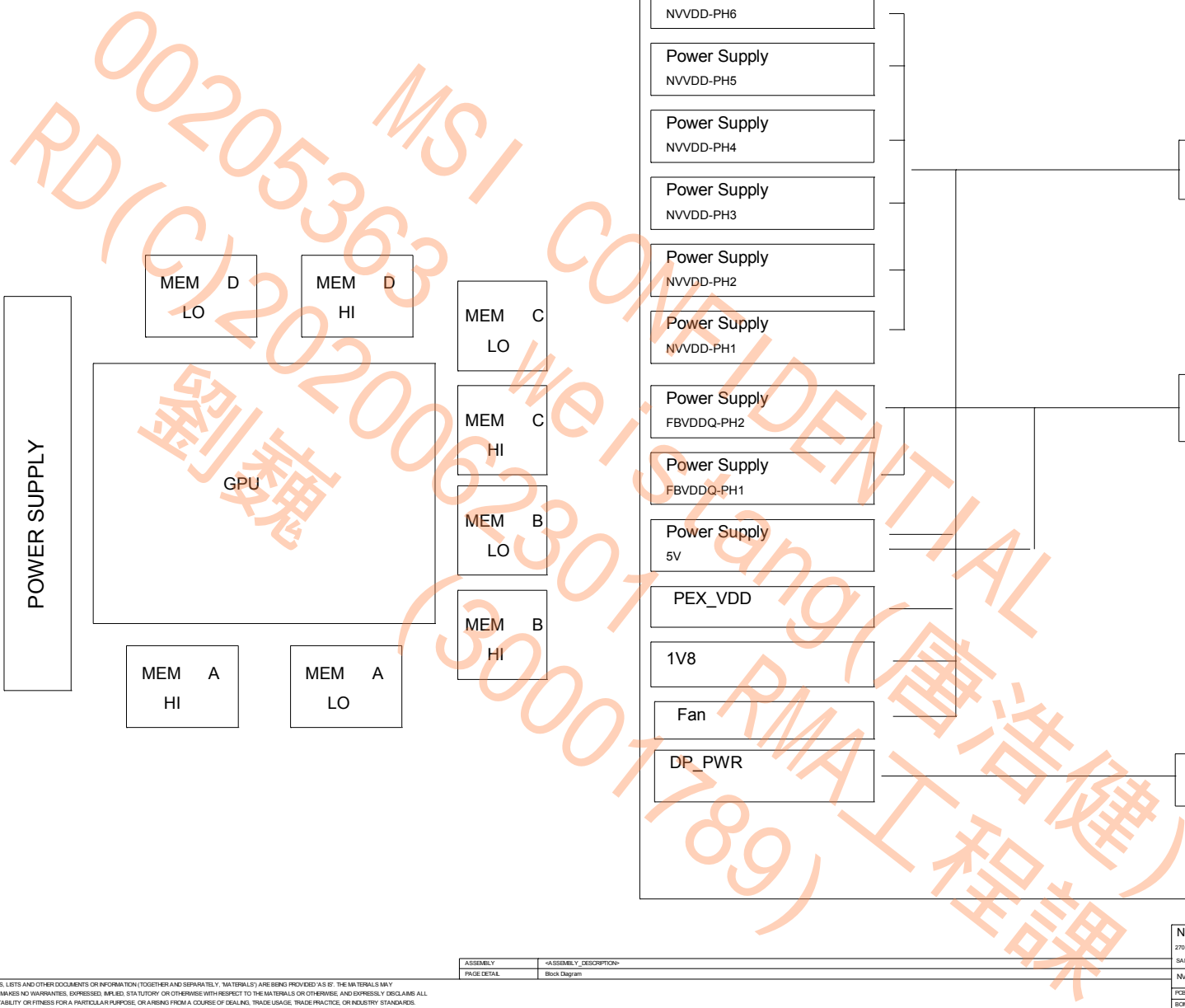
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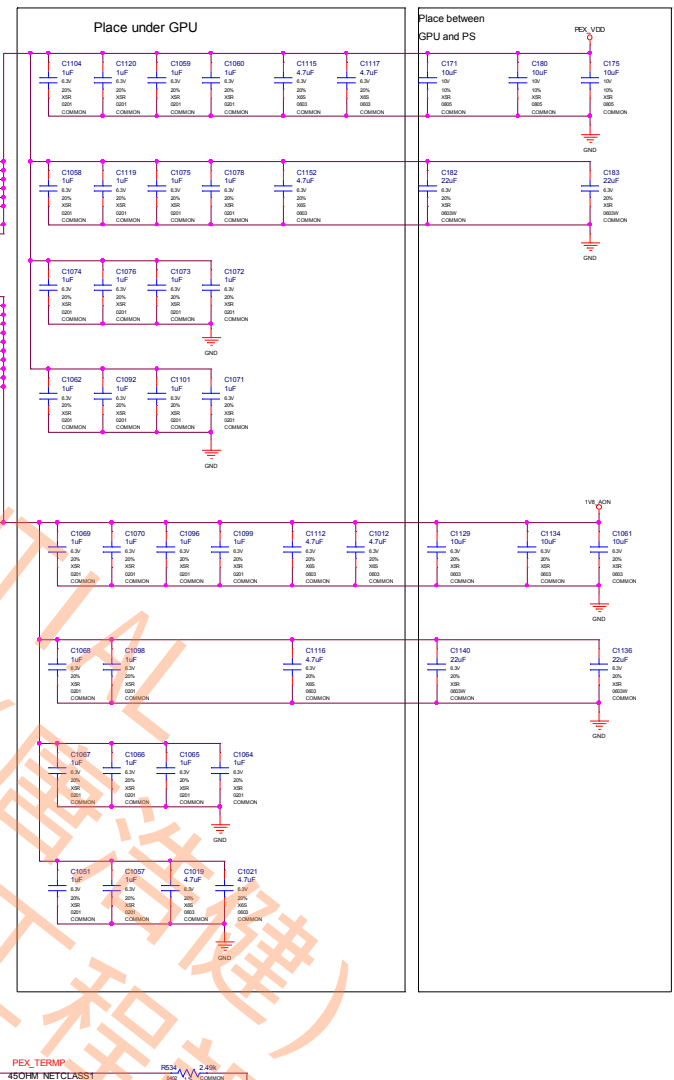
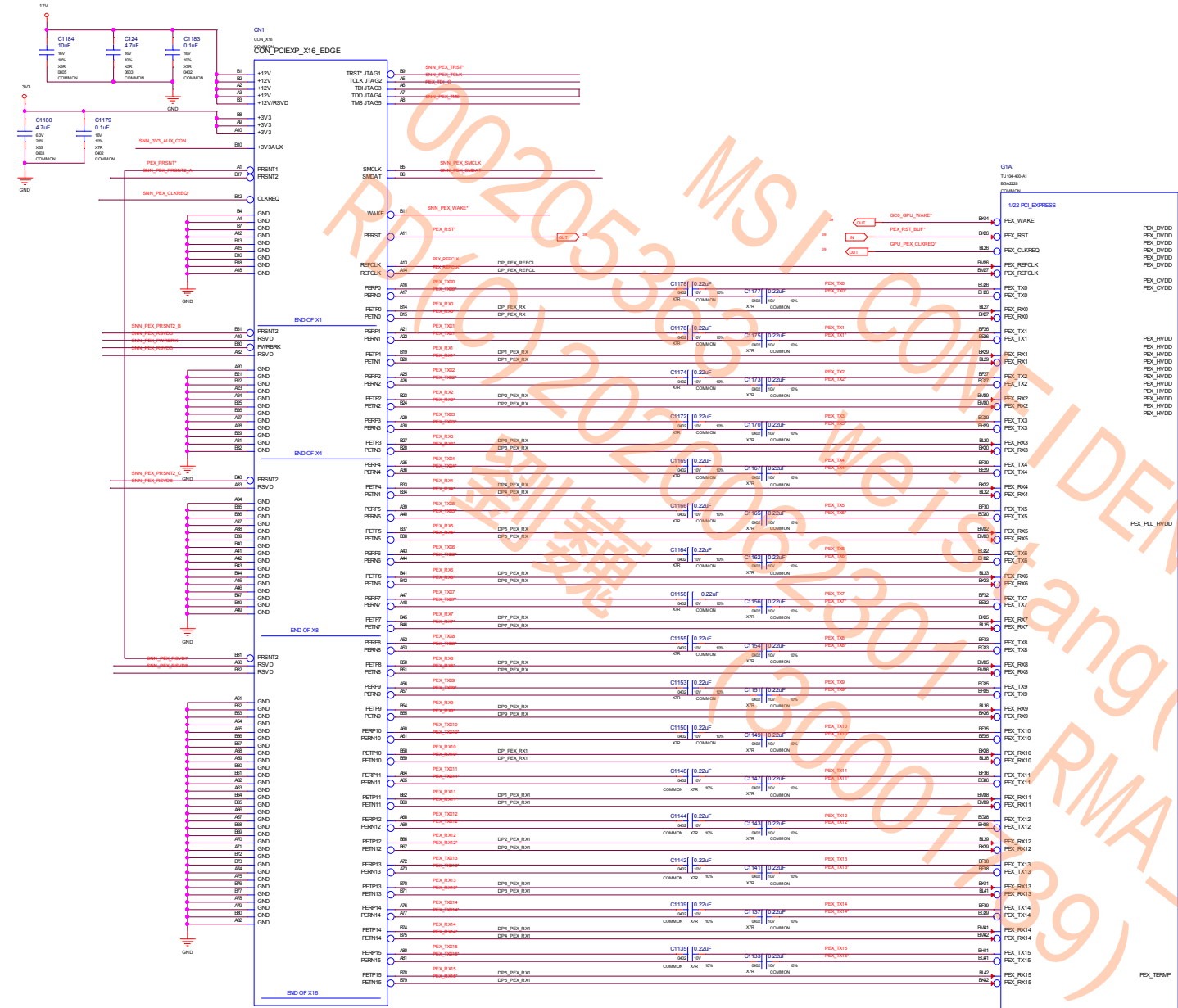
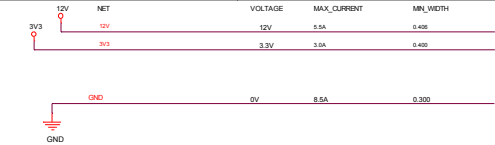
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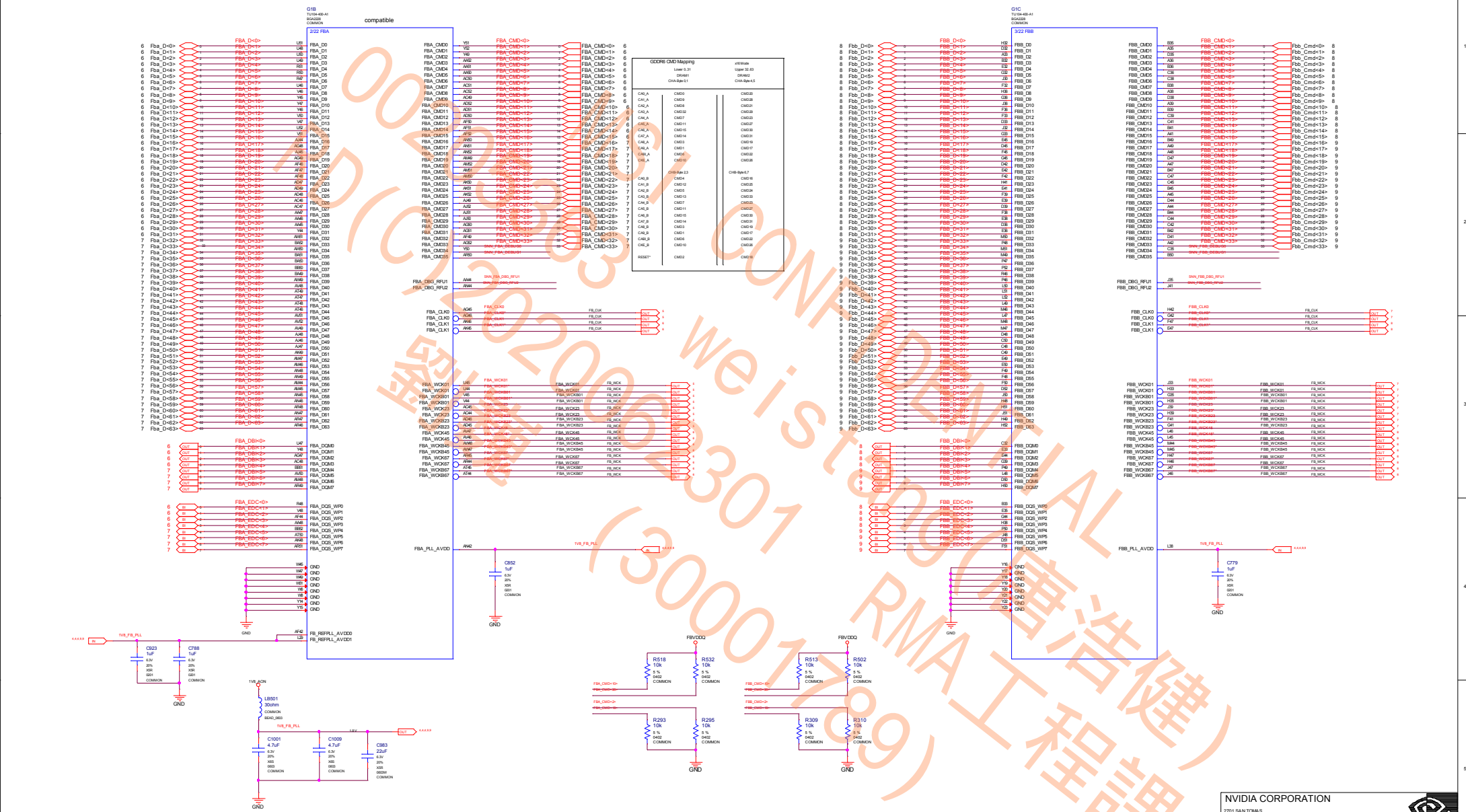
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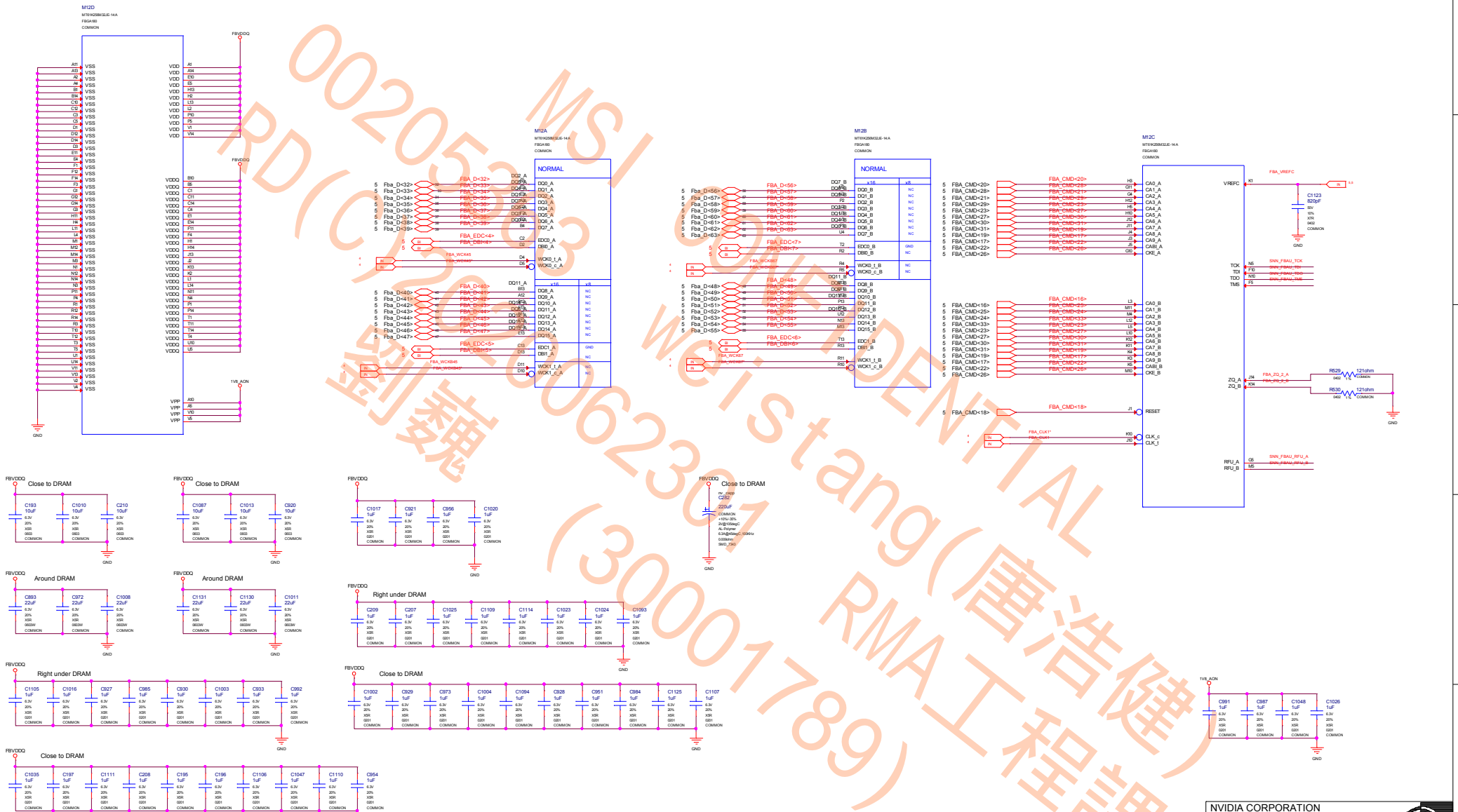
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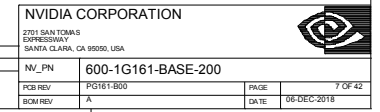
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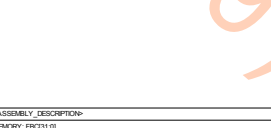
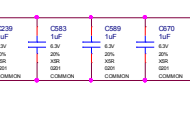
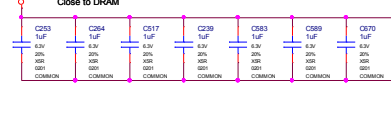
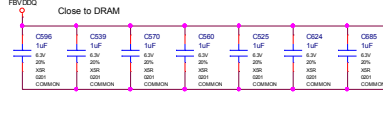
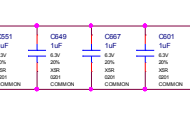
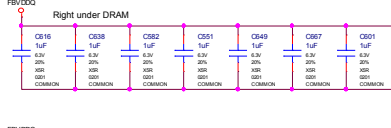
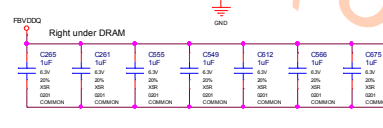
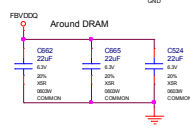
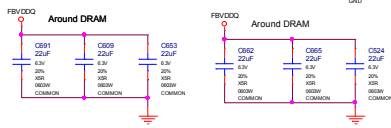
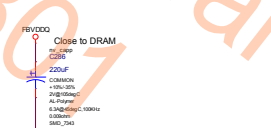
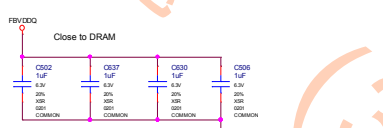
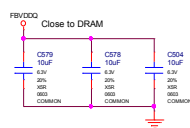
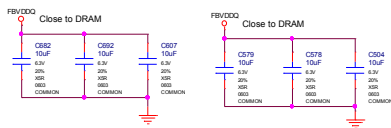
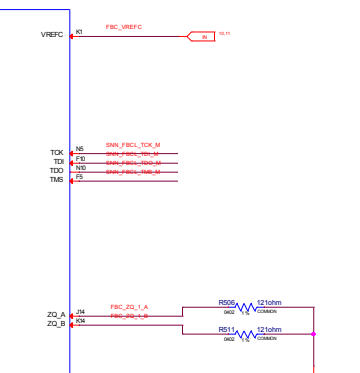
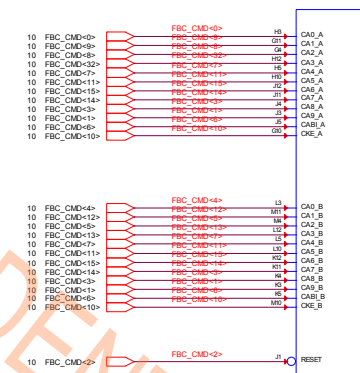
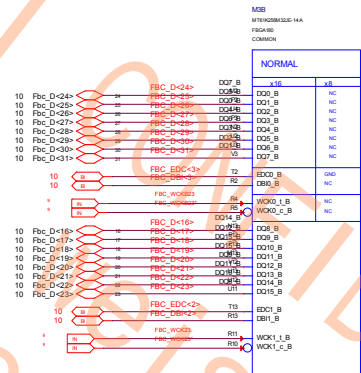
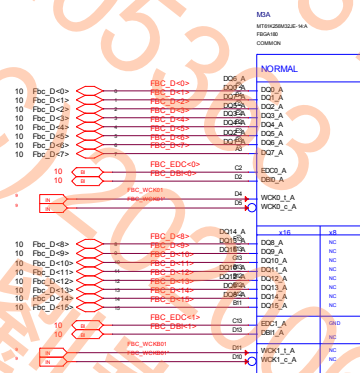
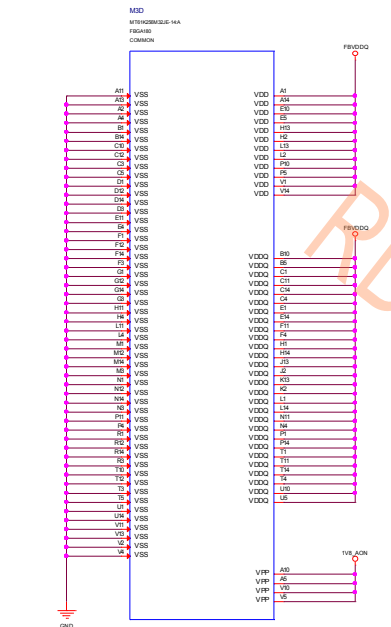




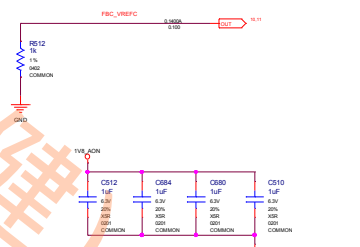




[illegible]



VREFC IS NOT USED IN  
x16 CONFIGURATION  
1K OHM PULL-DOWN IS  
IN PLACE OF THE 1.33K  
FOR R75



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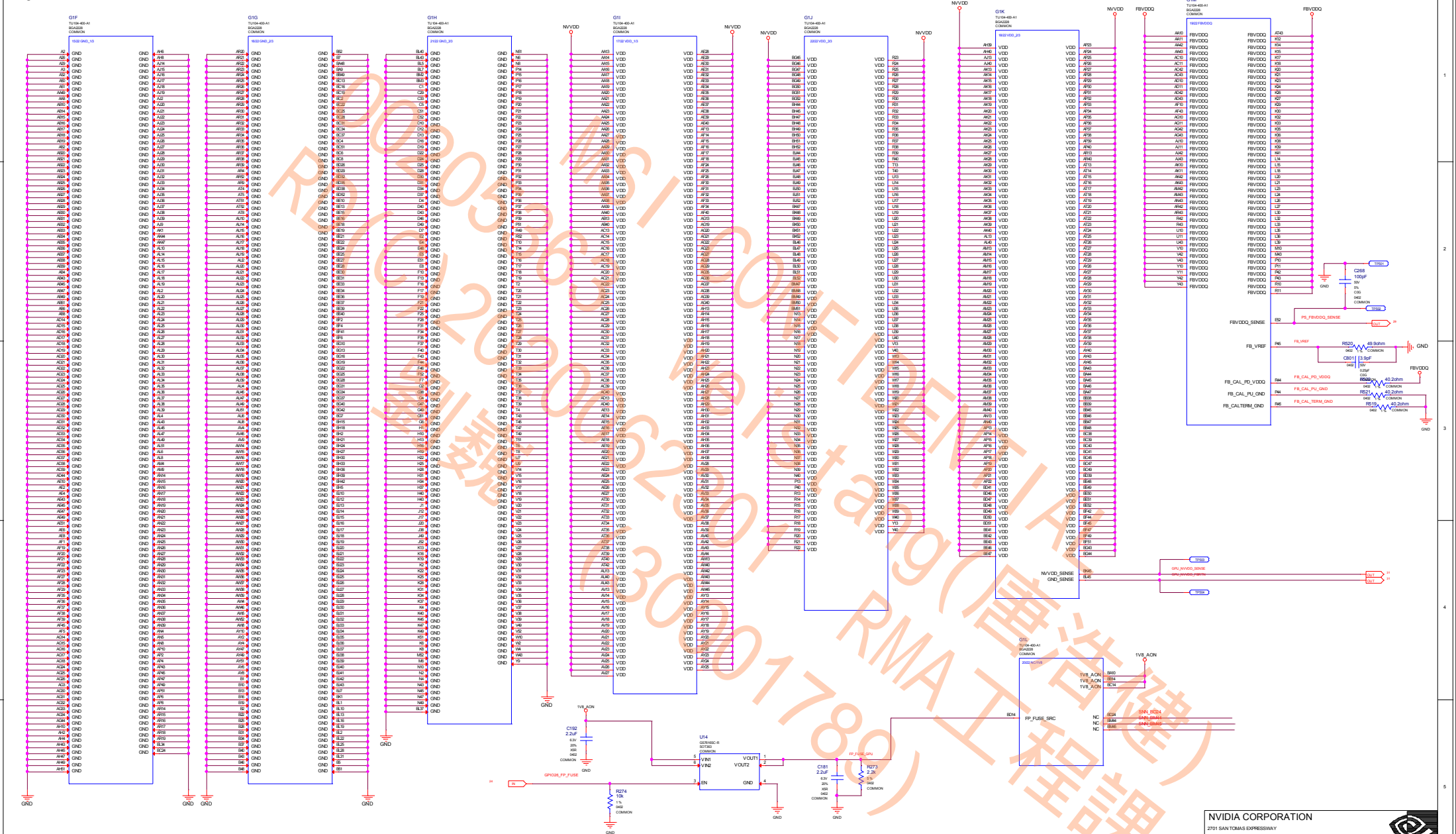
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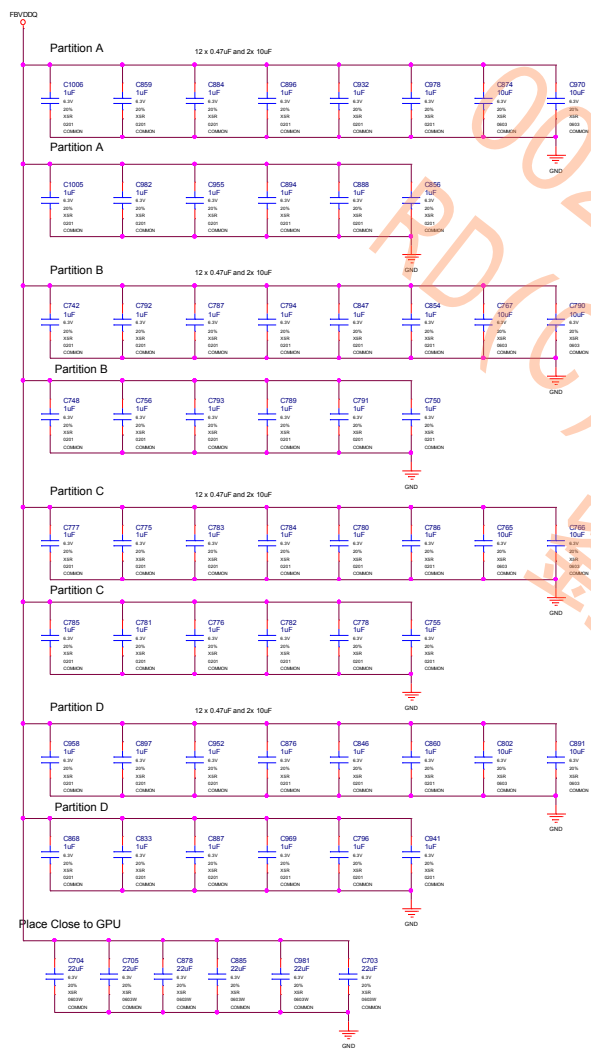




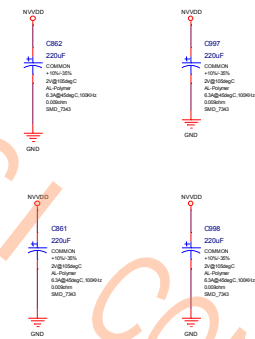




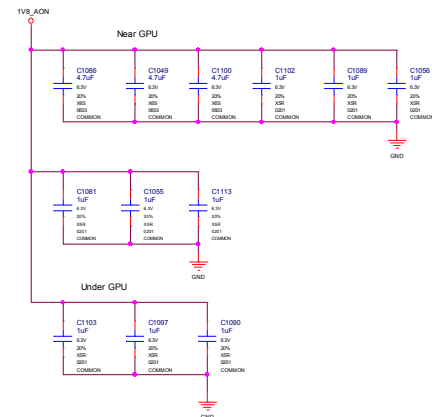
## FBVDDQ



## NVVDD



## 1V8\_AON



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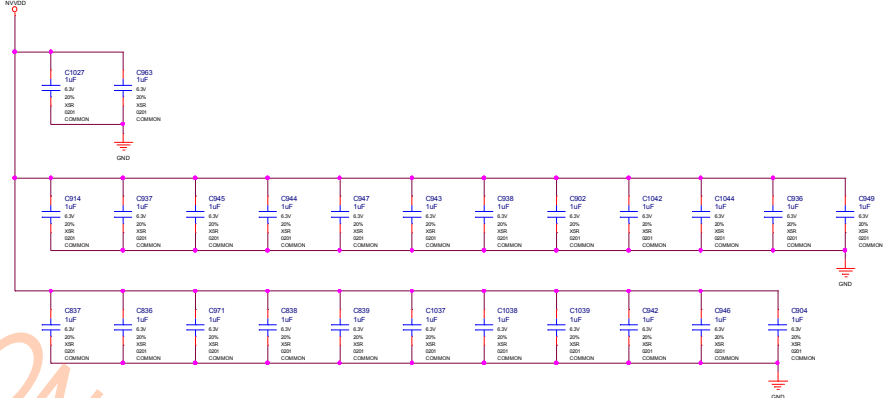
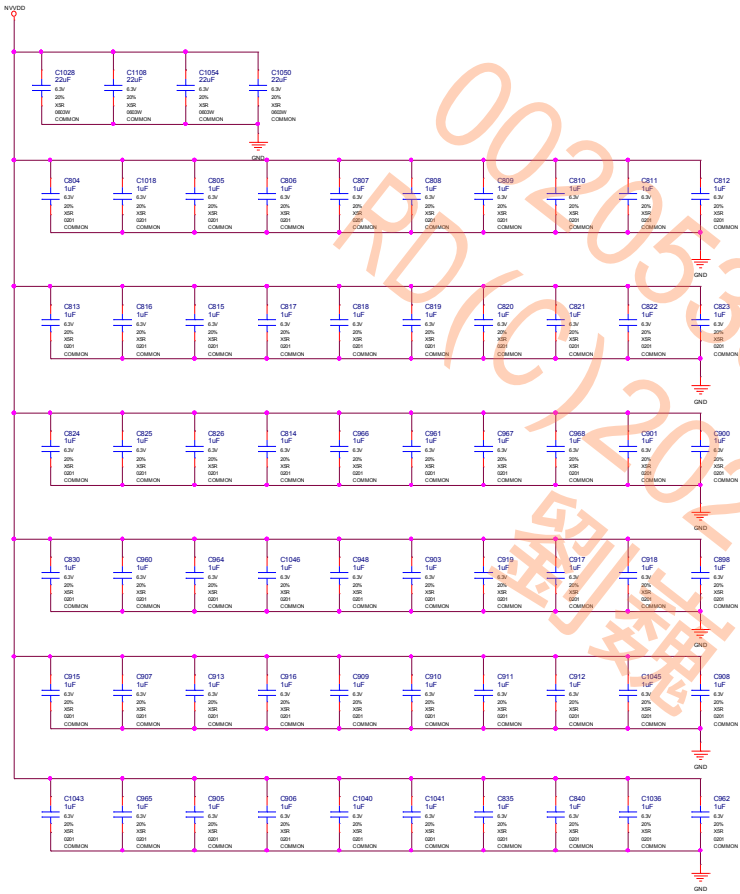
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NVVD

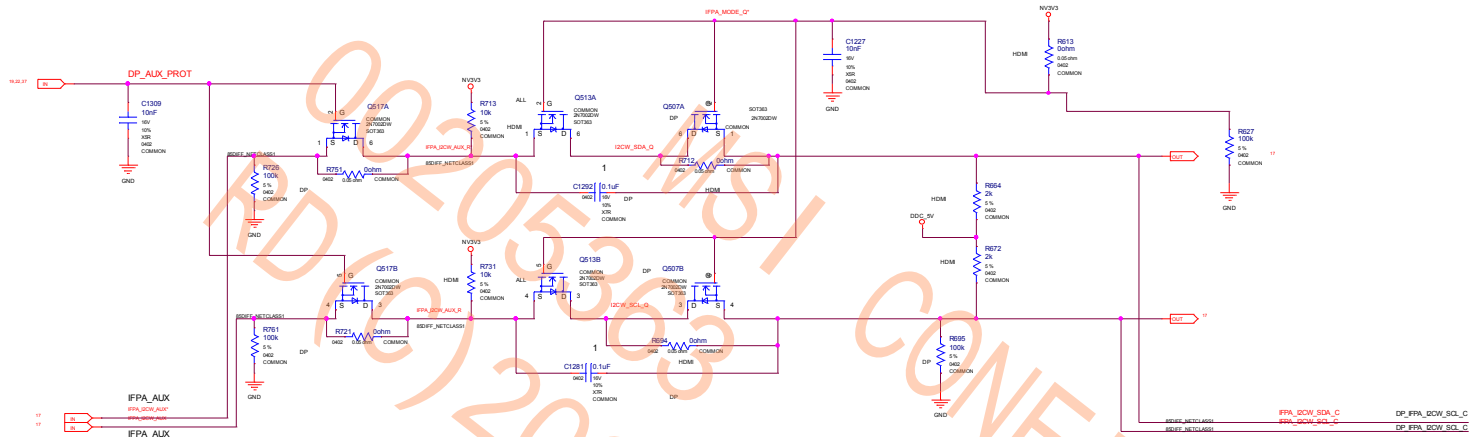


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weistang (唐浩健)  
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PG161-600

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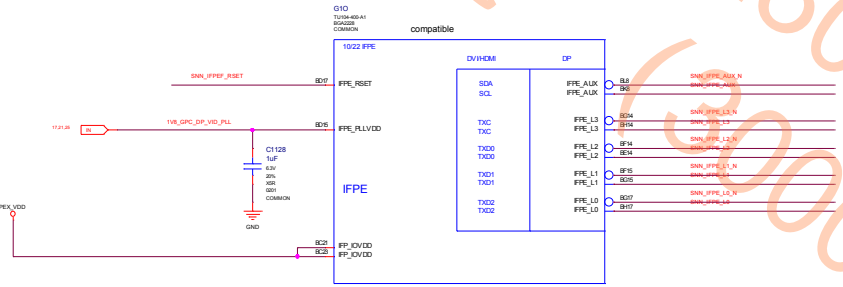
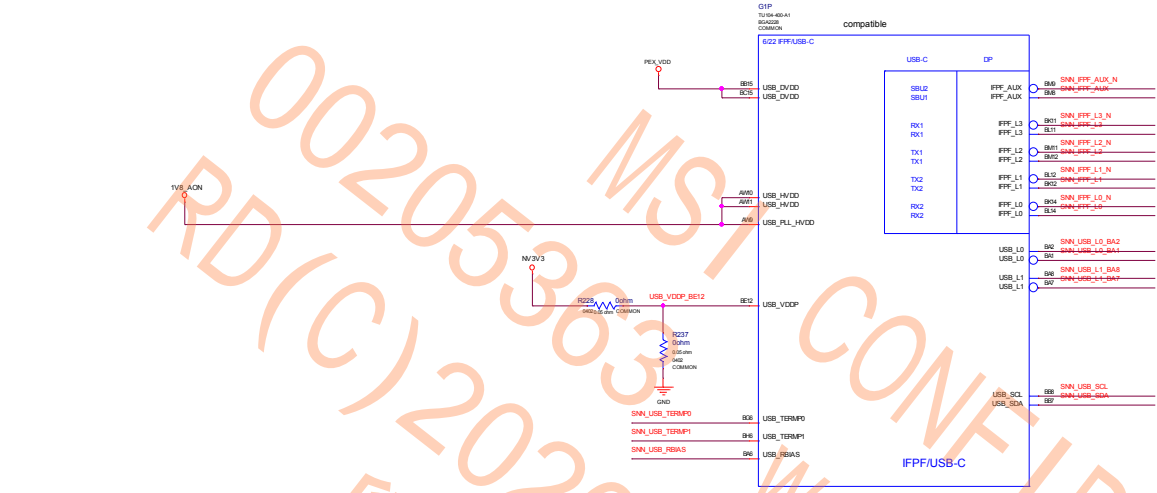
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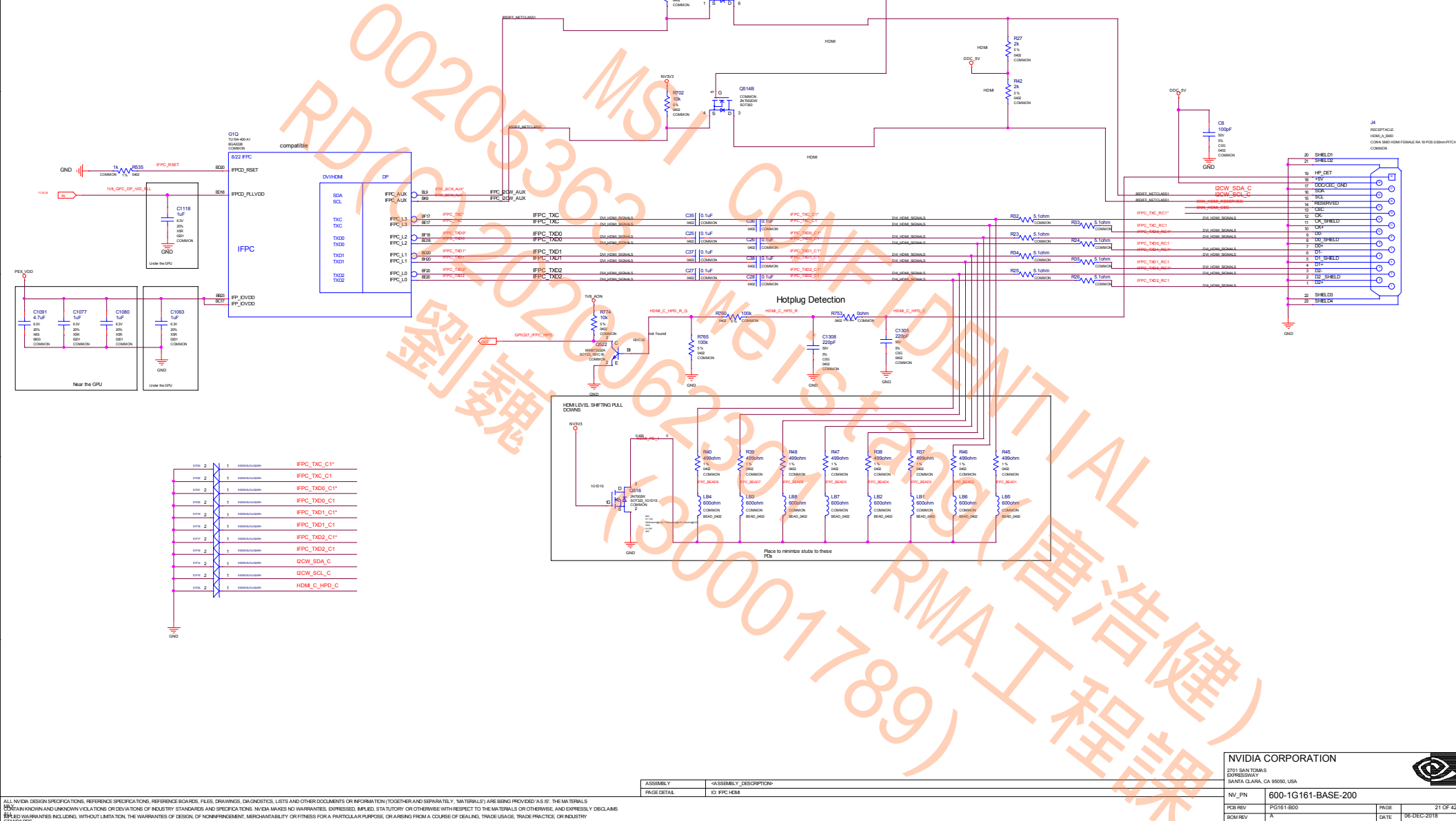
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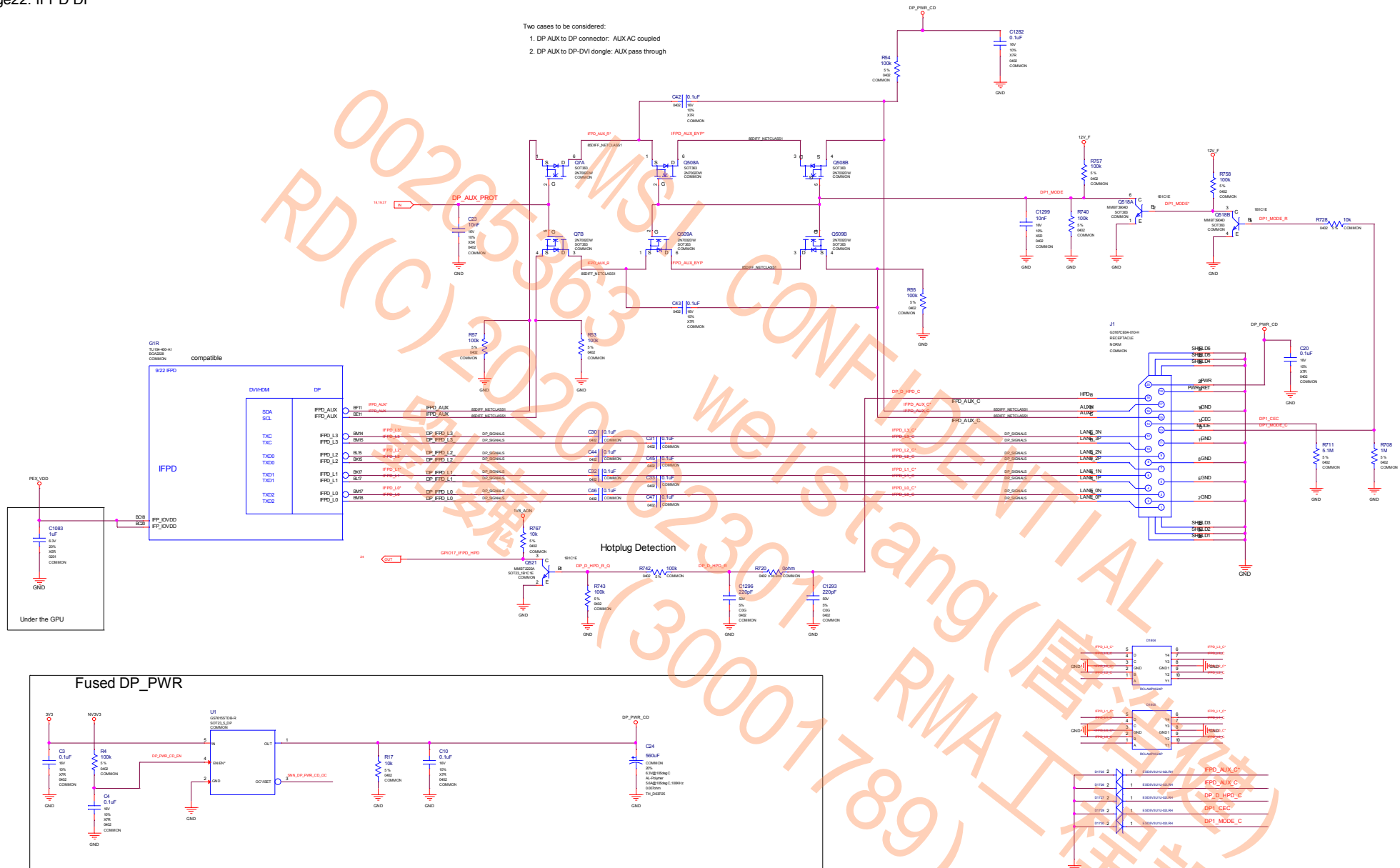
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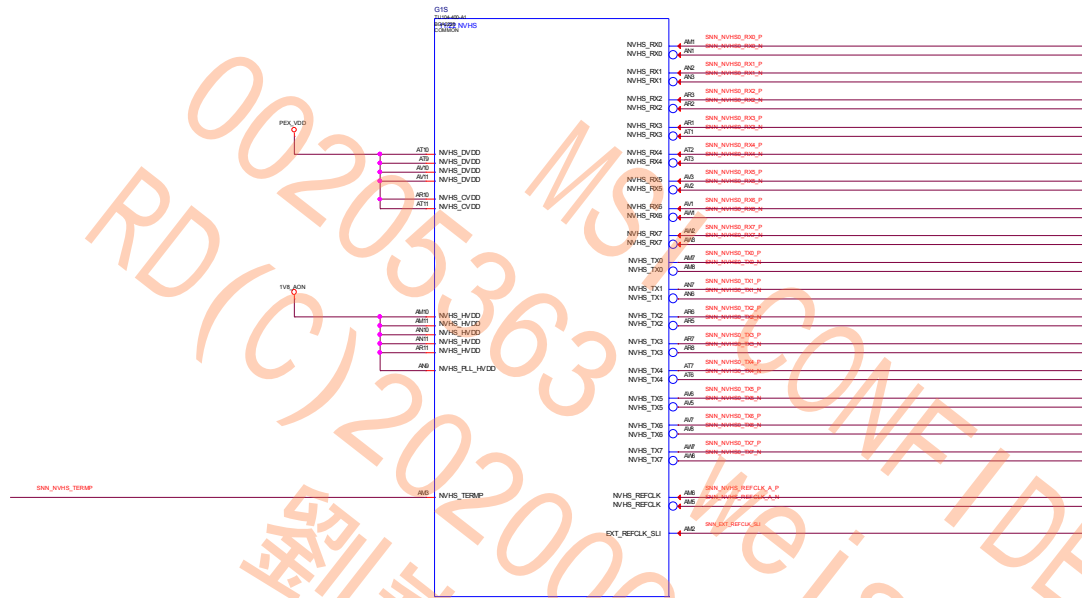
- Two cases to be considered:
1. DP AUX to DP connector: AUX-AC coupled
  2. DP AUX to DP-DVI dongle: AUX pass through



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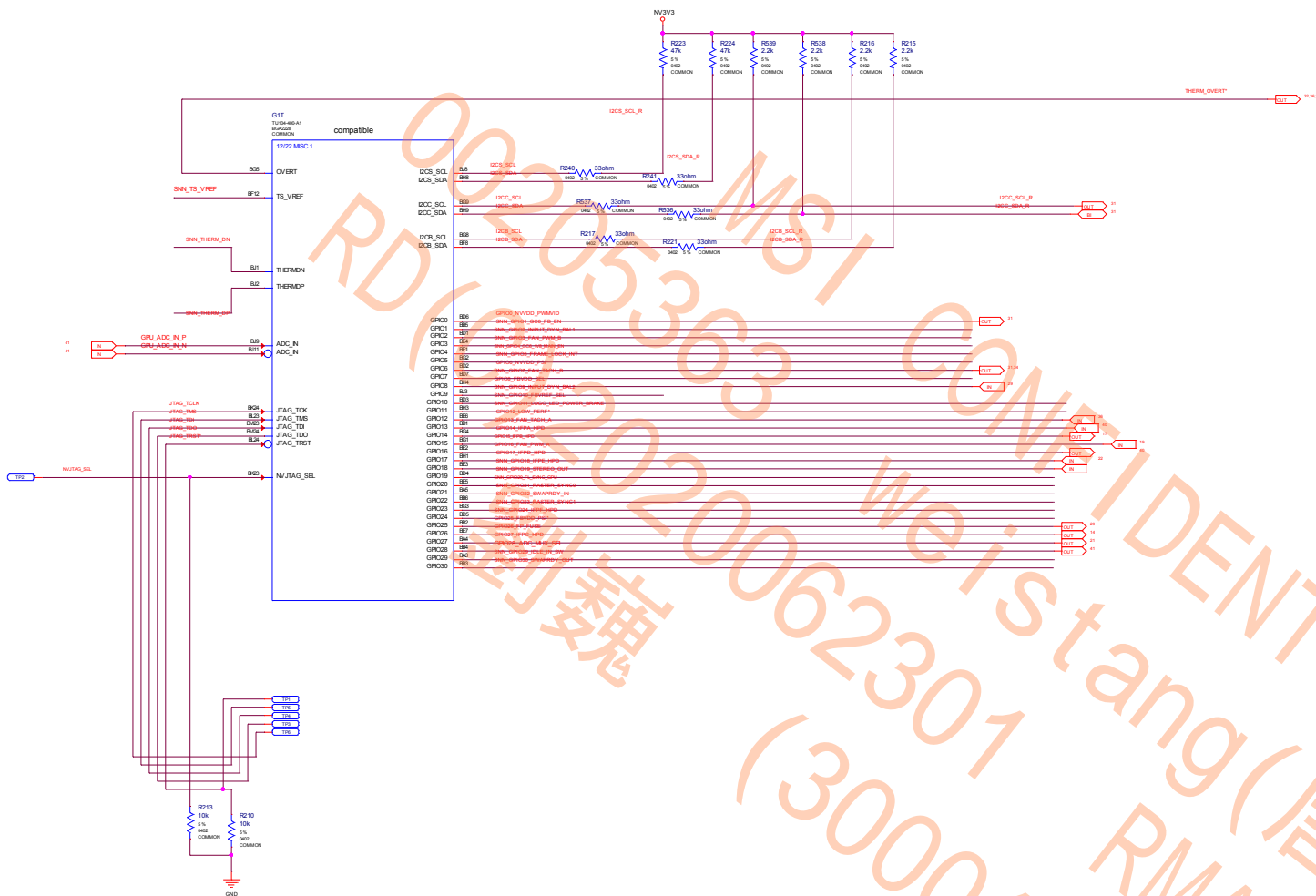
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ASSEMBLY	ASSEMBLY DESCRIPTION
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STRAP2	STRAP1	STRAP0	RAMCFG[4:0]
L	L	L	00000
L	L	H	00001
L	H	L	00010
L	H	H	00011
H	H	L	00110
H	H	H	00111
L	L	M	01000

RAMCFG[4:0]	DENSITY	WIDTH	VENDOR	DIE
00000	8Gb	256-bit	Samsung	C
00001	8Gb	256-bit	Micron	A
00010	8Gb	256-bit	Hynix	M
00011	8Gb	256-bit	Samsung	C
00100	8Gb	256-bit	Micron	A
00101	8Gb	256-bit	Hynix	M
00110	16Gb	256-bit	Samsung	M
00111				

ROM_SO	ROM_SI	ROM_SCLK	DUMMY[2:0].FS_OVERT	1.ENABLE 0.DISABLE	
L	L	L	XXX1	FS_OVERT ENABLE	DEFAULT
L	L	M	XXX0	FS_OVERT DISABLE	

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	1	0	0
L	H	M	1	0	1	1
L	M	H	1	0	1	0
L	M	L	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 DEFAULT
L	L	L	0	0	0	0

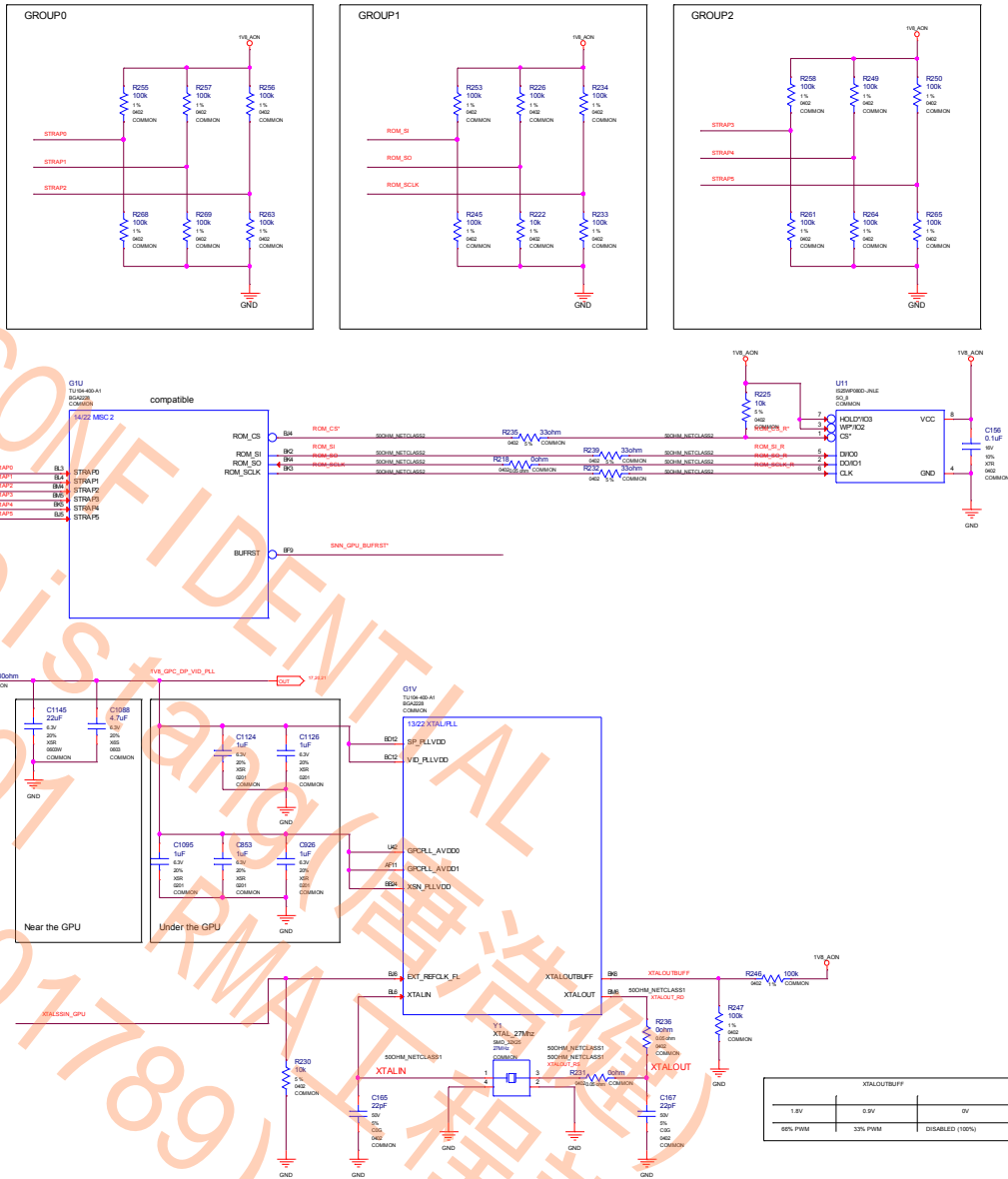
H=High :Tied to 1.8V  
M=Middle:Tied to 0.9V  
L=Low :Tied to 0V

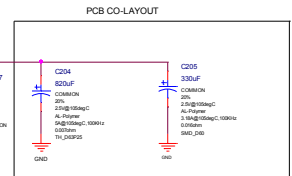
1:SMB\_ALT\_ADDR ENABLE  
0:SMB\_ALT\_ADDR DISABLE

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



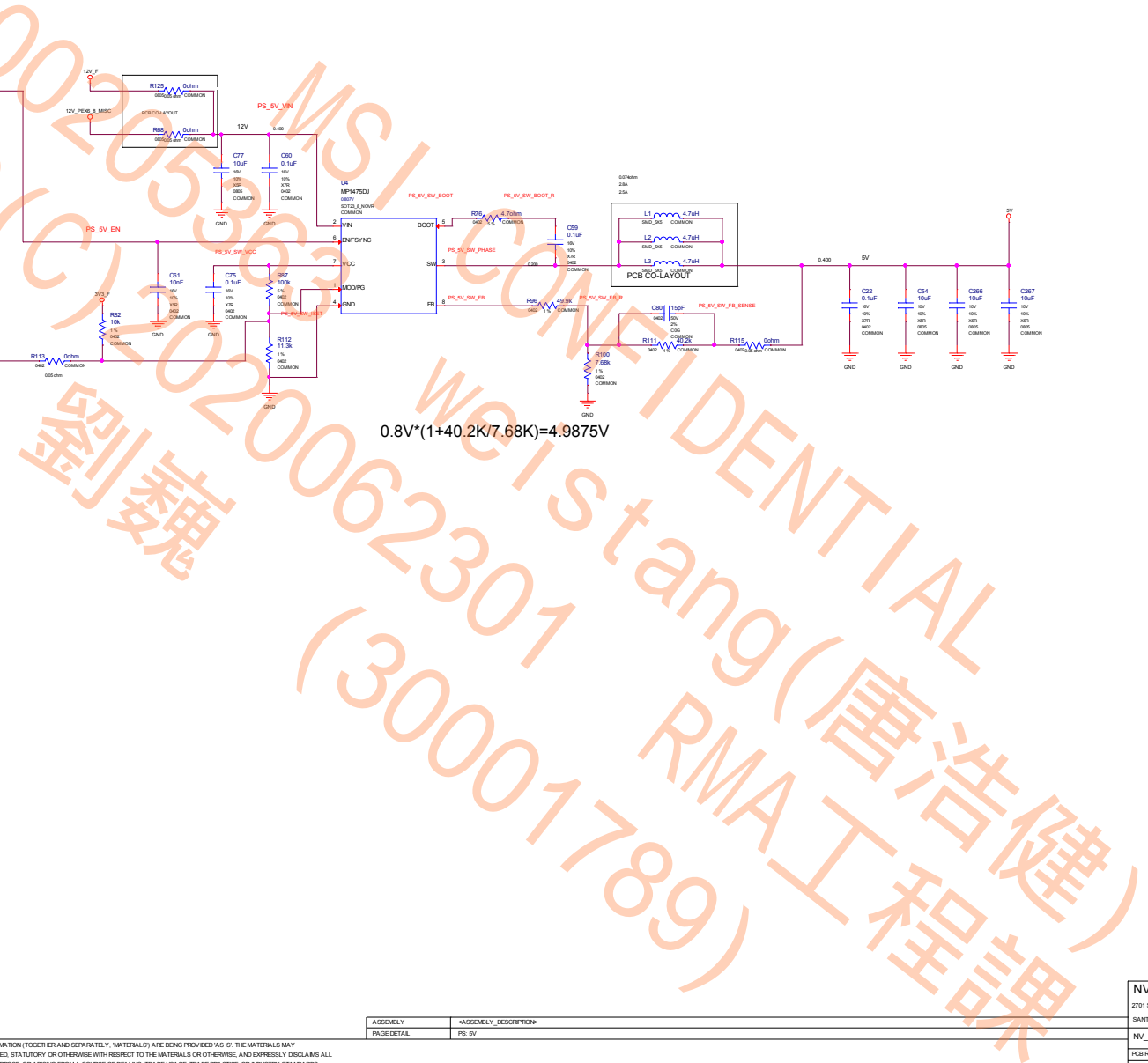


$$0.6V \cdot (1 + 10K/4.99K) = 1.802V$$

ASSEMBLY	<ASSEMBLY_DESCRIPTION>		SANTA CLARA, CA 95050, USA	
PAGE DETAIL	PS: 1Y0_A0N		NV_PN	600-1G161-BASE-200
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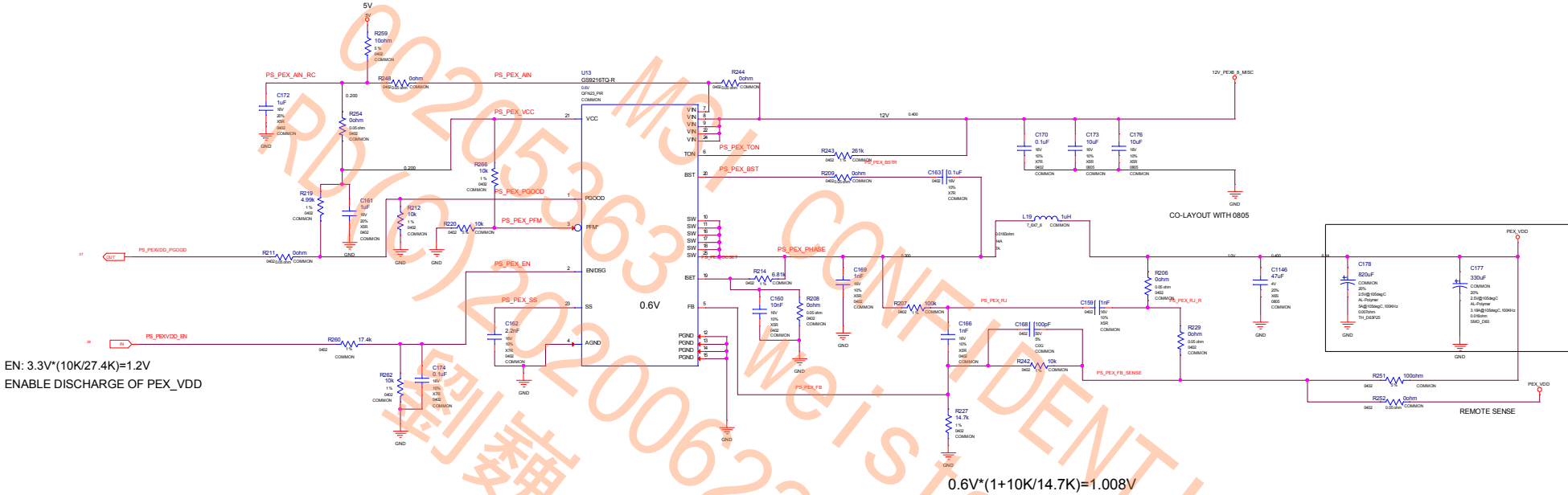
$$0.8V \cdot (1 + 40.2K / 7.68K) = 4.9875V$$

ASSEMBLY	<ASSEMBLY_DESCRIPTION>
PAGE DETAIL	PS: 5V

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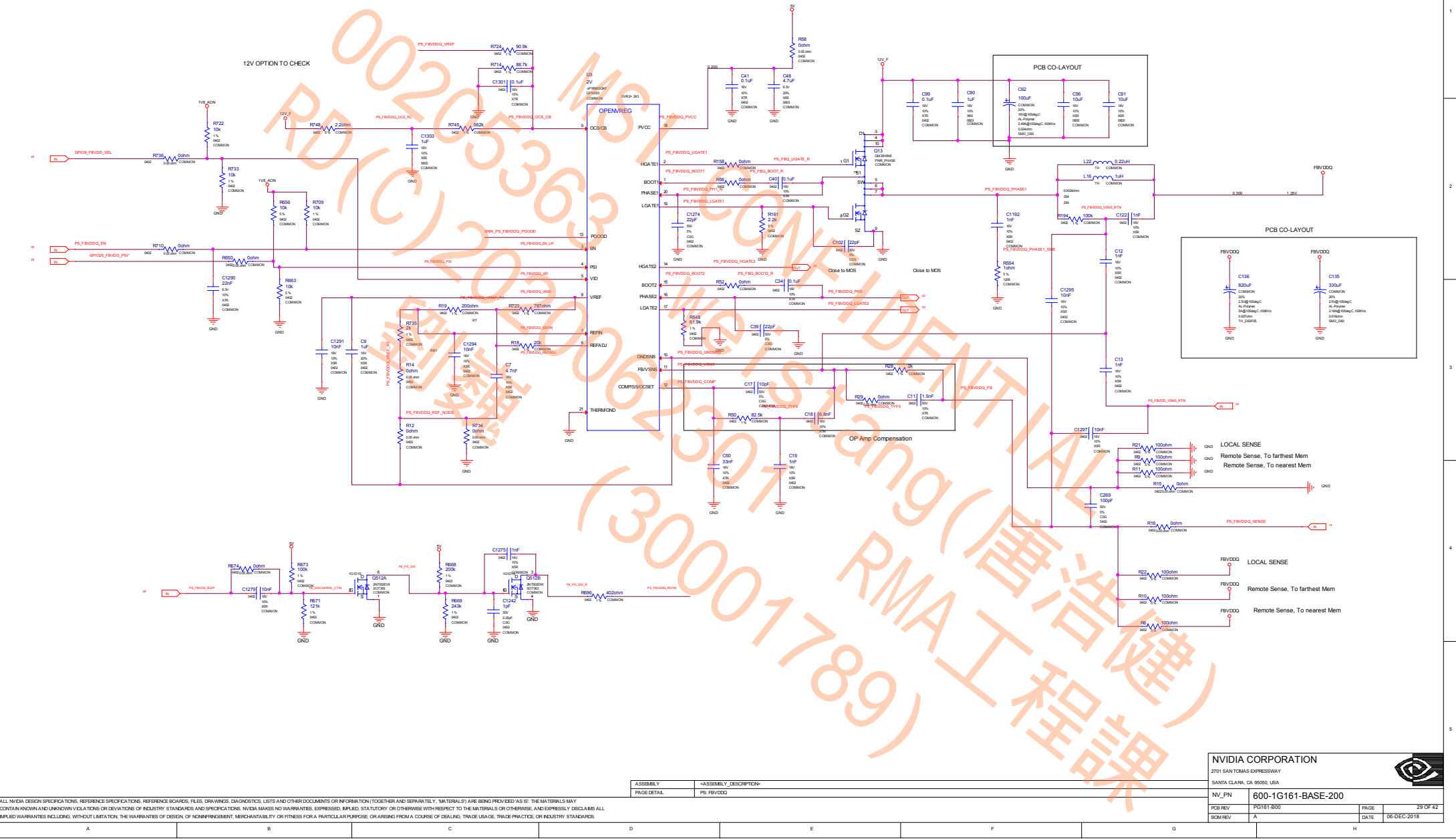


PEX Switcher

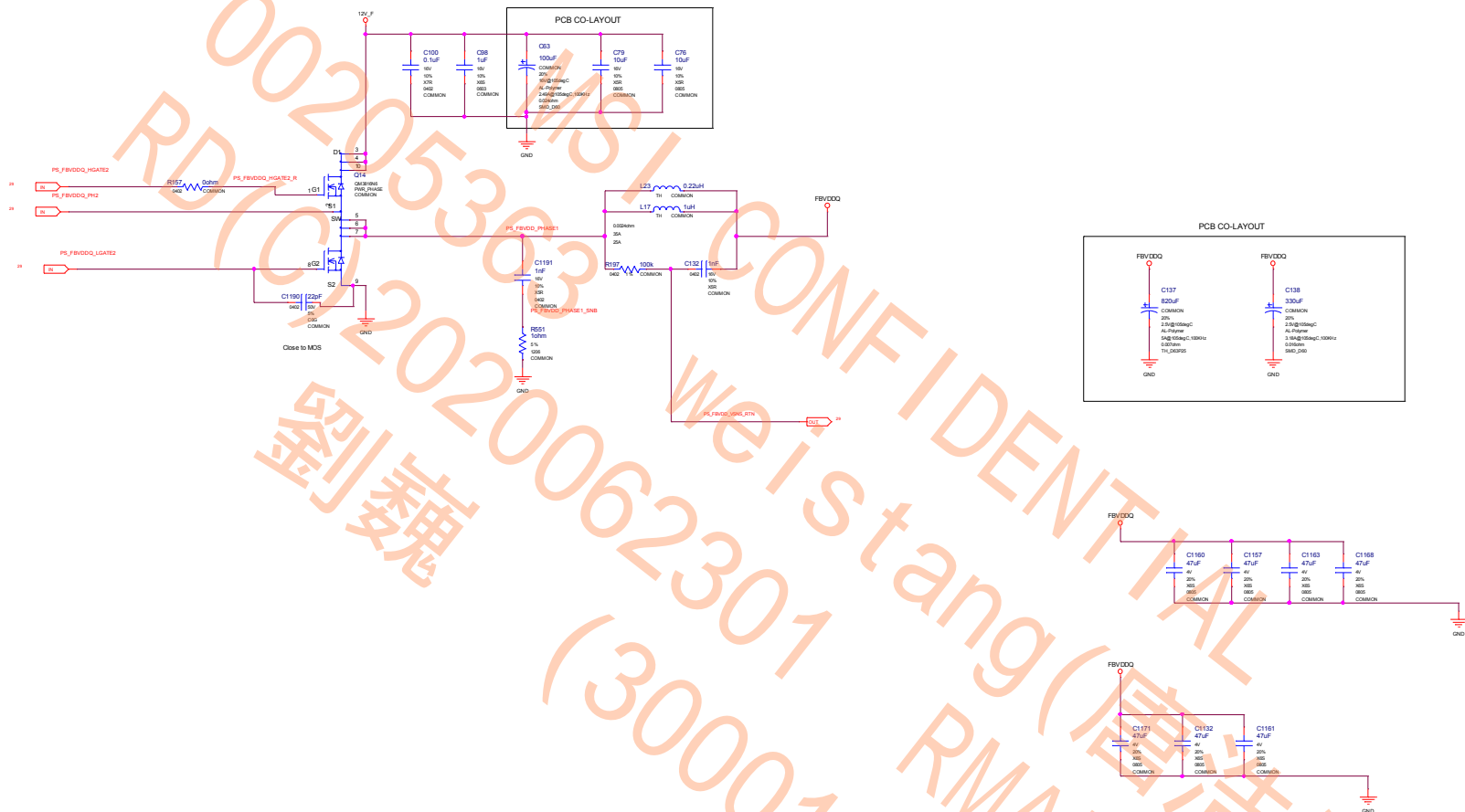


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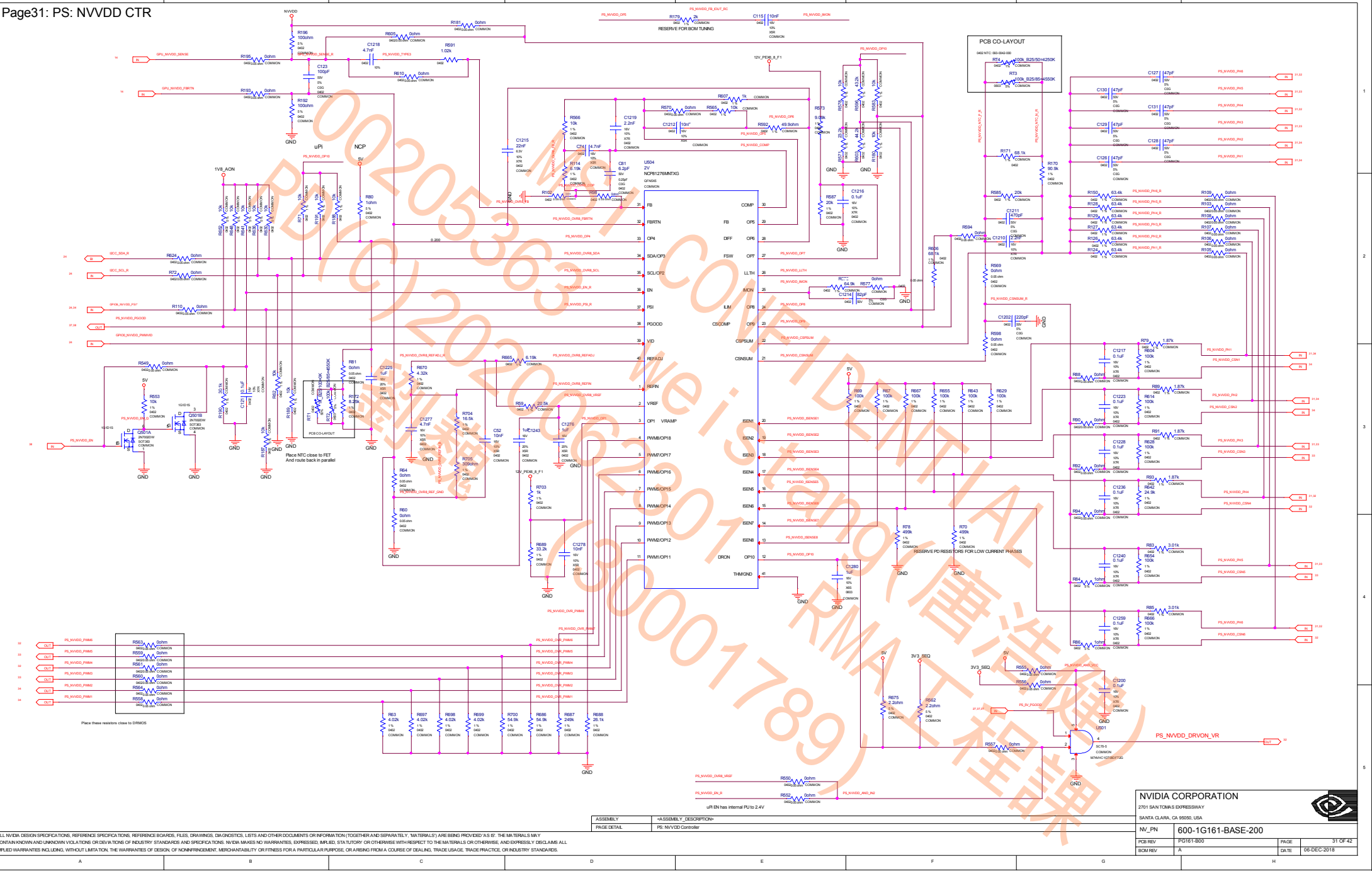
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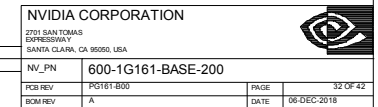
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PAGE DETAIL	PS: FBVDDQ PH2

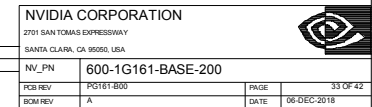
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NV_PN	600-1G161-BASE-200		
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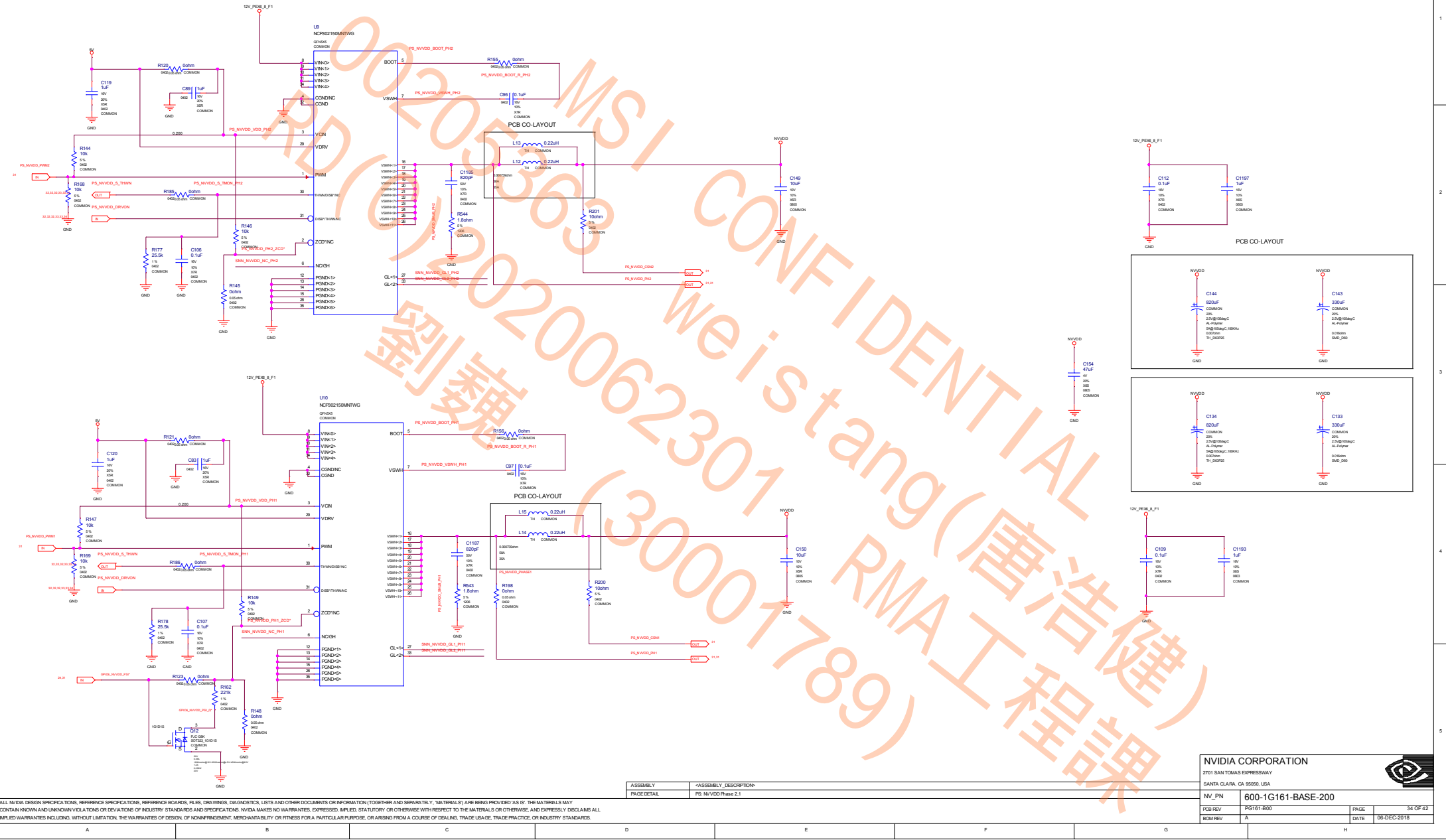


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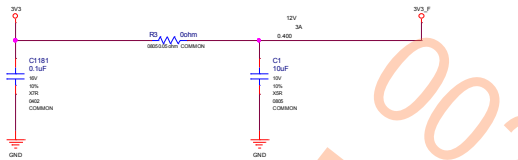
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ASSEMBLY	ASSEMBLY DESCRIPTION
PCB DETAIL	PS: NVVDD Phase 2.1

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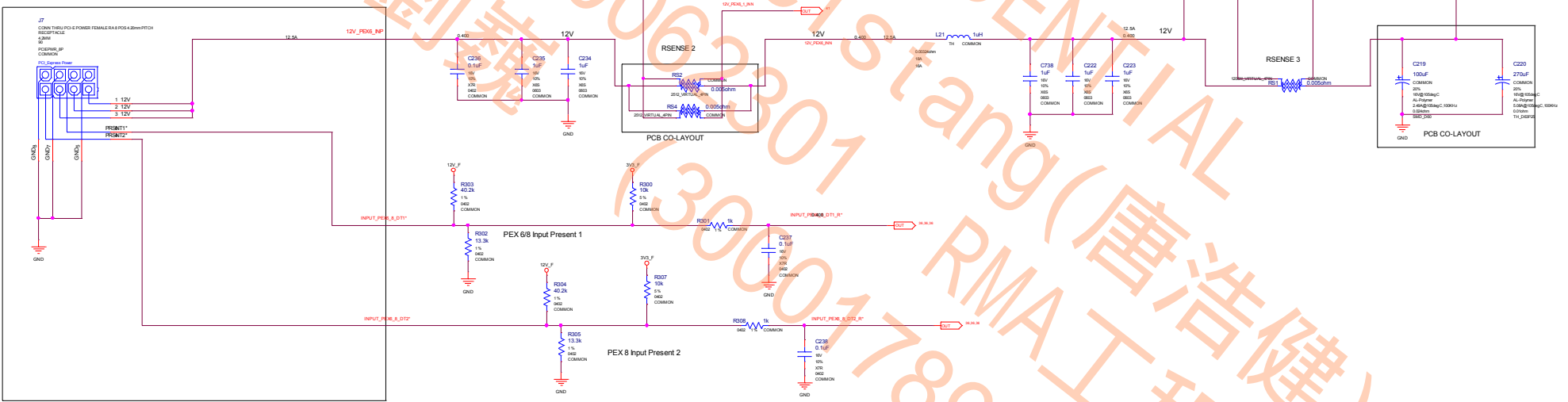
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PEX\_12V INPUT - 66W



PEX8 INPUT 1 - 2x4 PCIE CON 150W



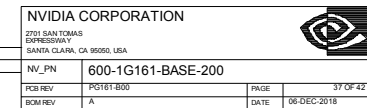
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ASSEMBLY	ASSEMBLY DESCRIPTION
PAGE:DETAIL	PS: PEX_INPUT, 12V_EXT_INPUT, FILTERING

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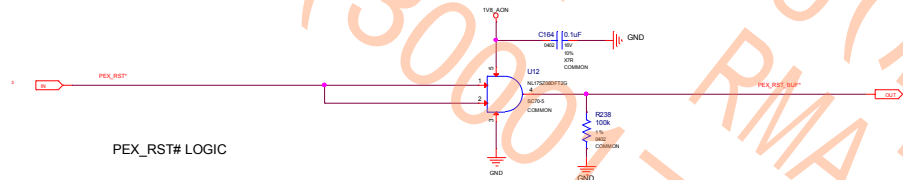
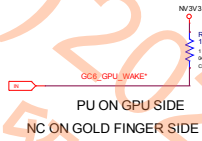






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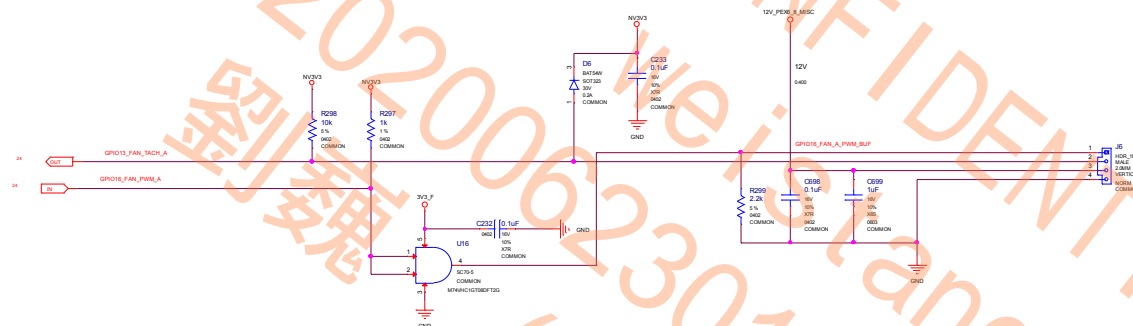
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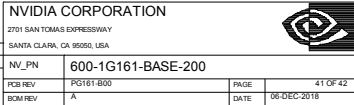




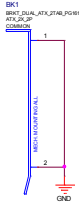
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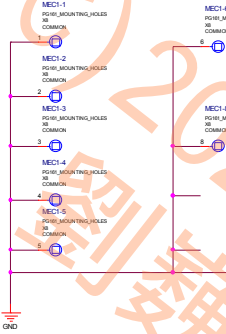




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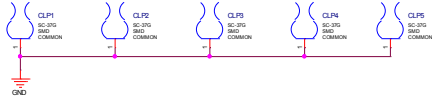
MOUNTING HOLES FOR HS:



BACK STIFFENER:



EMI Clip Options:



ASSEMBLY	ASSEMBLY DESCRIPTION
PAGE DETAIL	MECH

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