

PG161-B00

TU106 8GB GDDR6, 192b, X16

DVI-D + DP + HDMI

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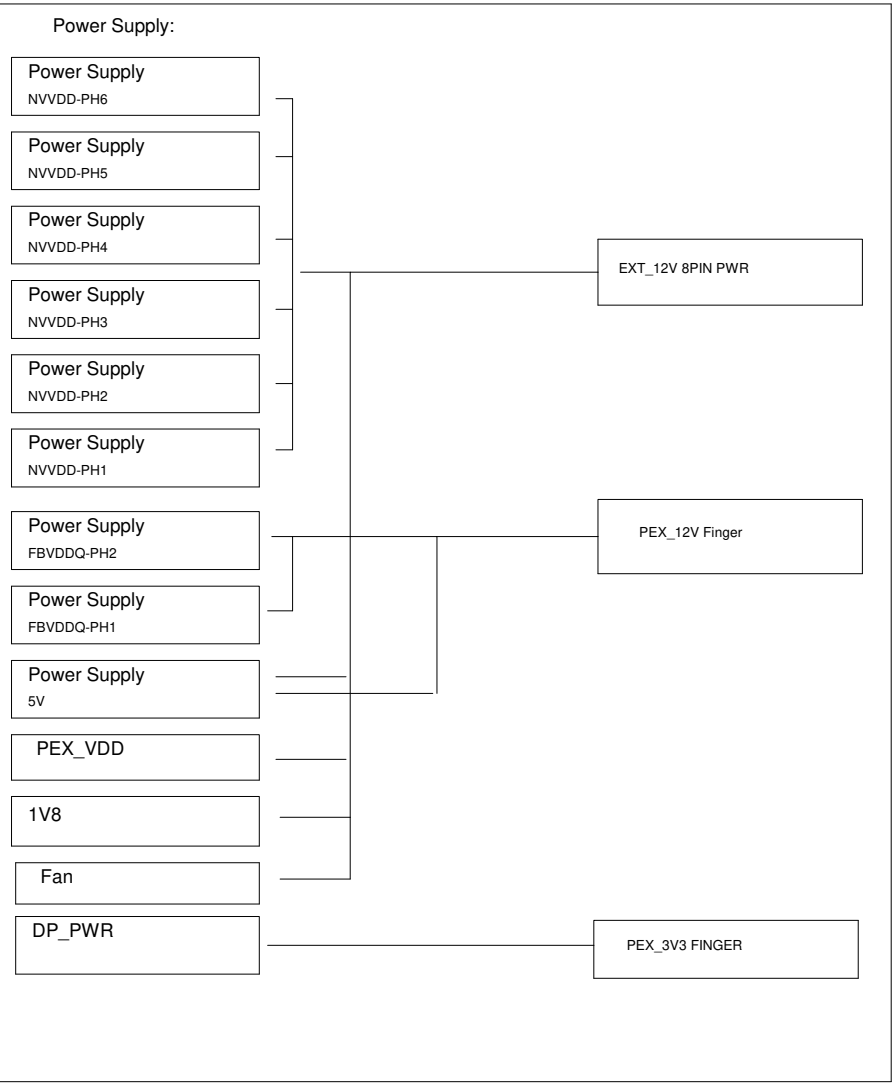
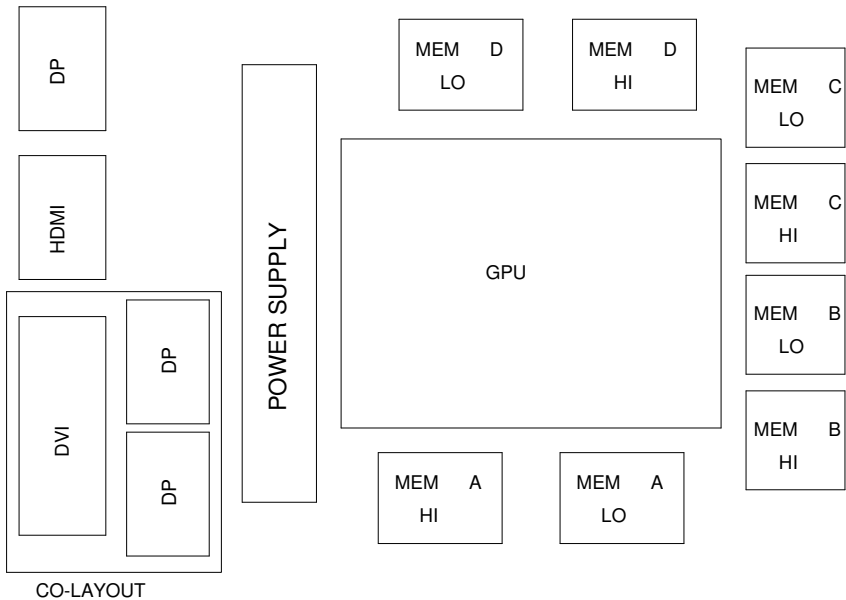
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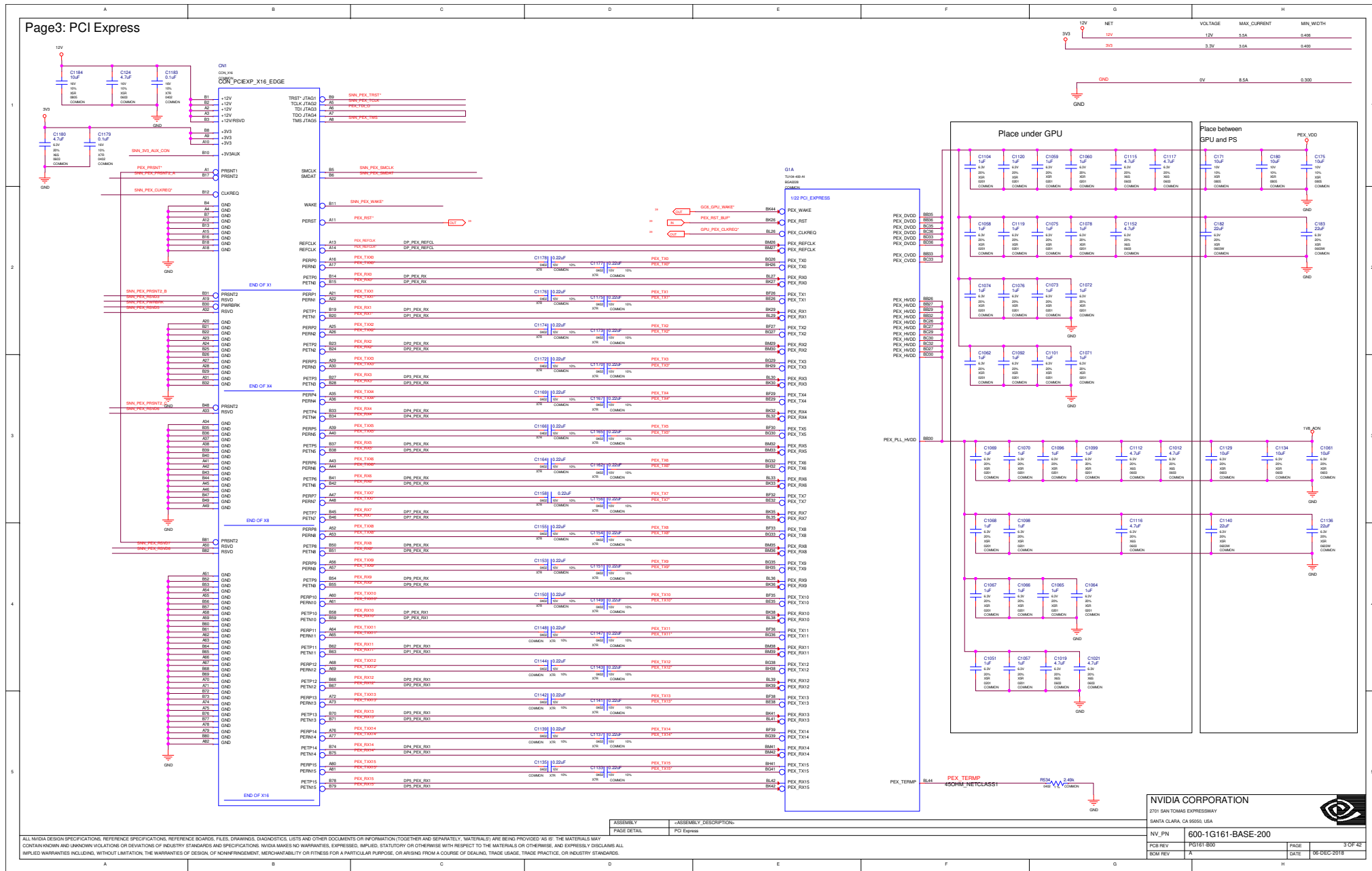
NV_PN	600-1G161-BASE-200	PAGE	1 OF 42
PCB REV	P0161-B00	DATE	06/DEC/2018
BCM REV	A		

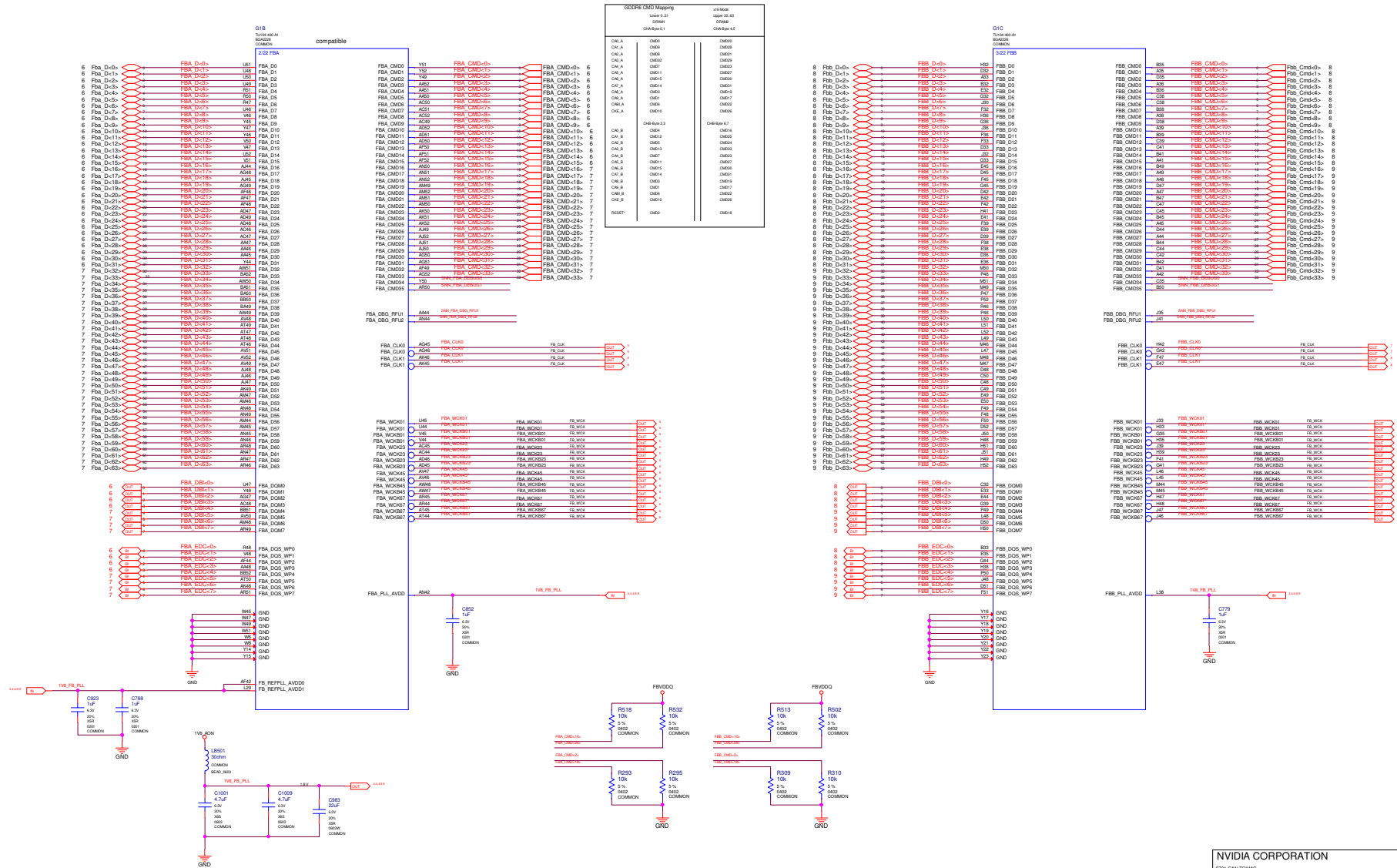


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ASSEMBLY	-ASSEMBLY DESCRIPTION-
PAGE DETAIL	Block Diagram

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NV_PN	600-1G161-BASE-200	PAGE	2 OF 42
PCB REV	P0161-800	DATE	06 DEC 2018
SDM REV	A		





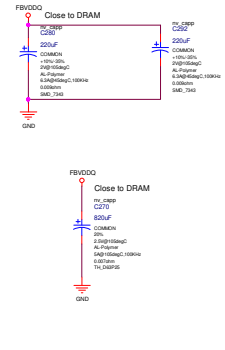
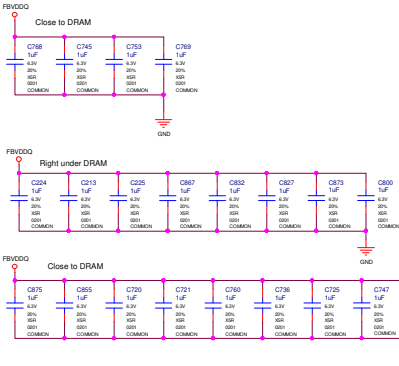
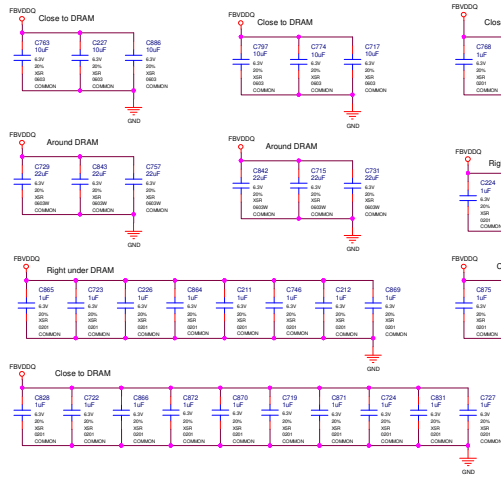
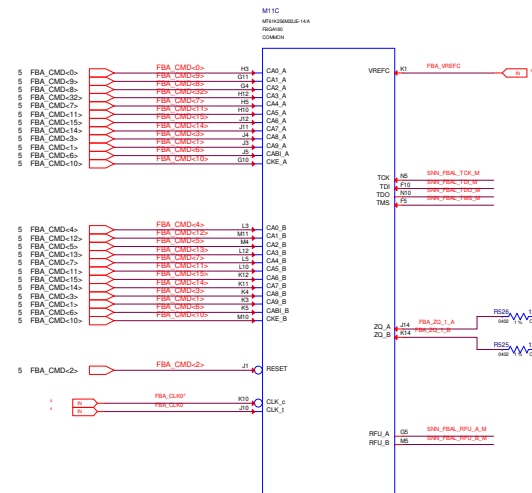
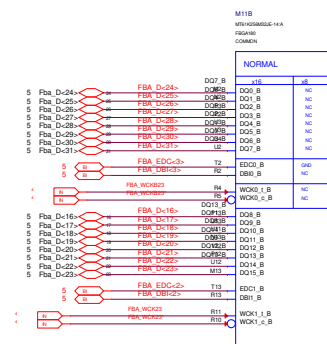
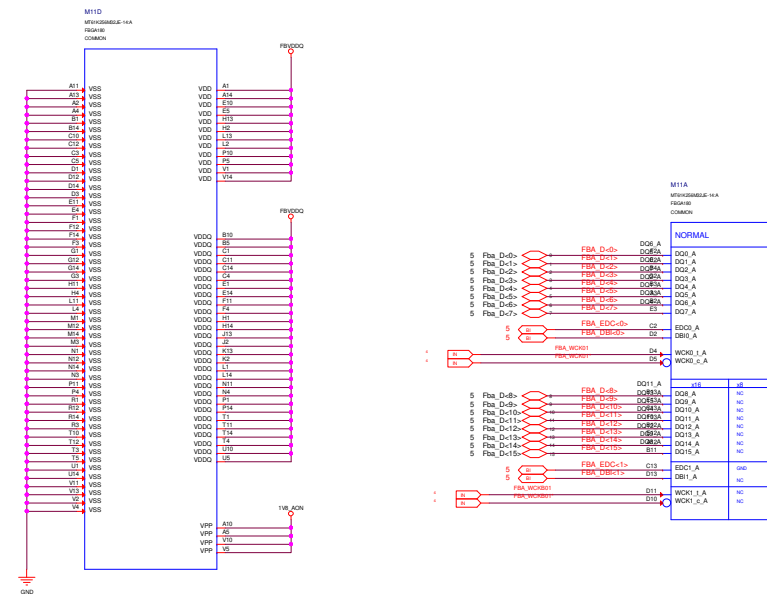
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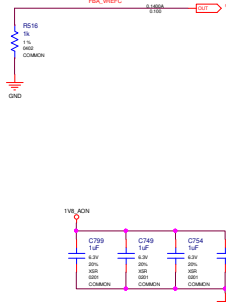
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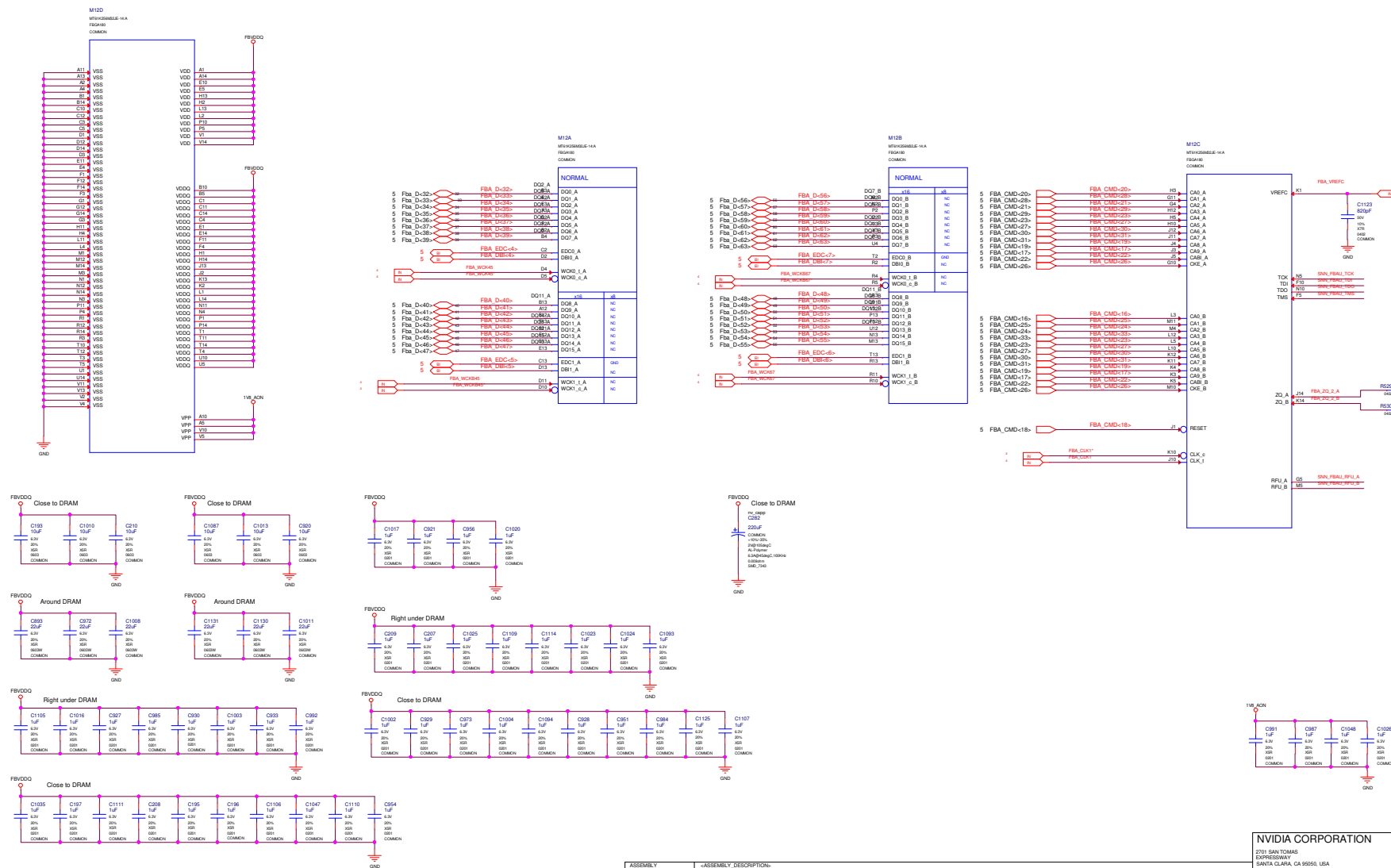
INV. PN 600-1G161-BASE-200
 PCB REV POST#1800
 BOM REV A

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 DATE 06 DEC 2018



VREFC IS NOT USED IN
x16 CONFIGURATION
1K OHM PULL-DOWN IS
IN PLACE OF THE 1.33K
FOR R106





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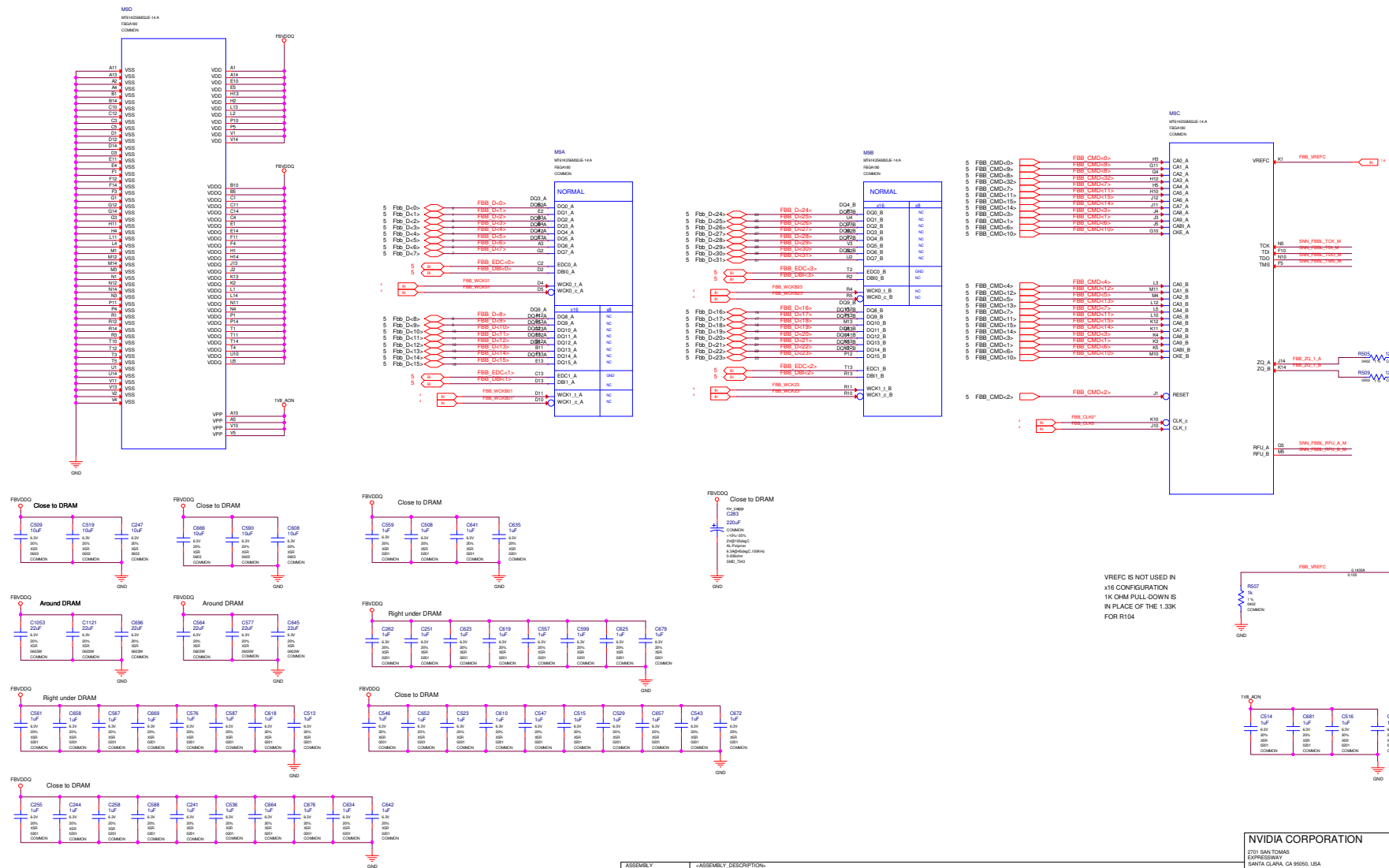


NV_PN 600-1G161-BASE-200

PCB REV POT161-800

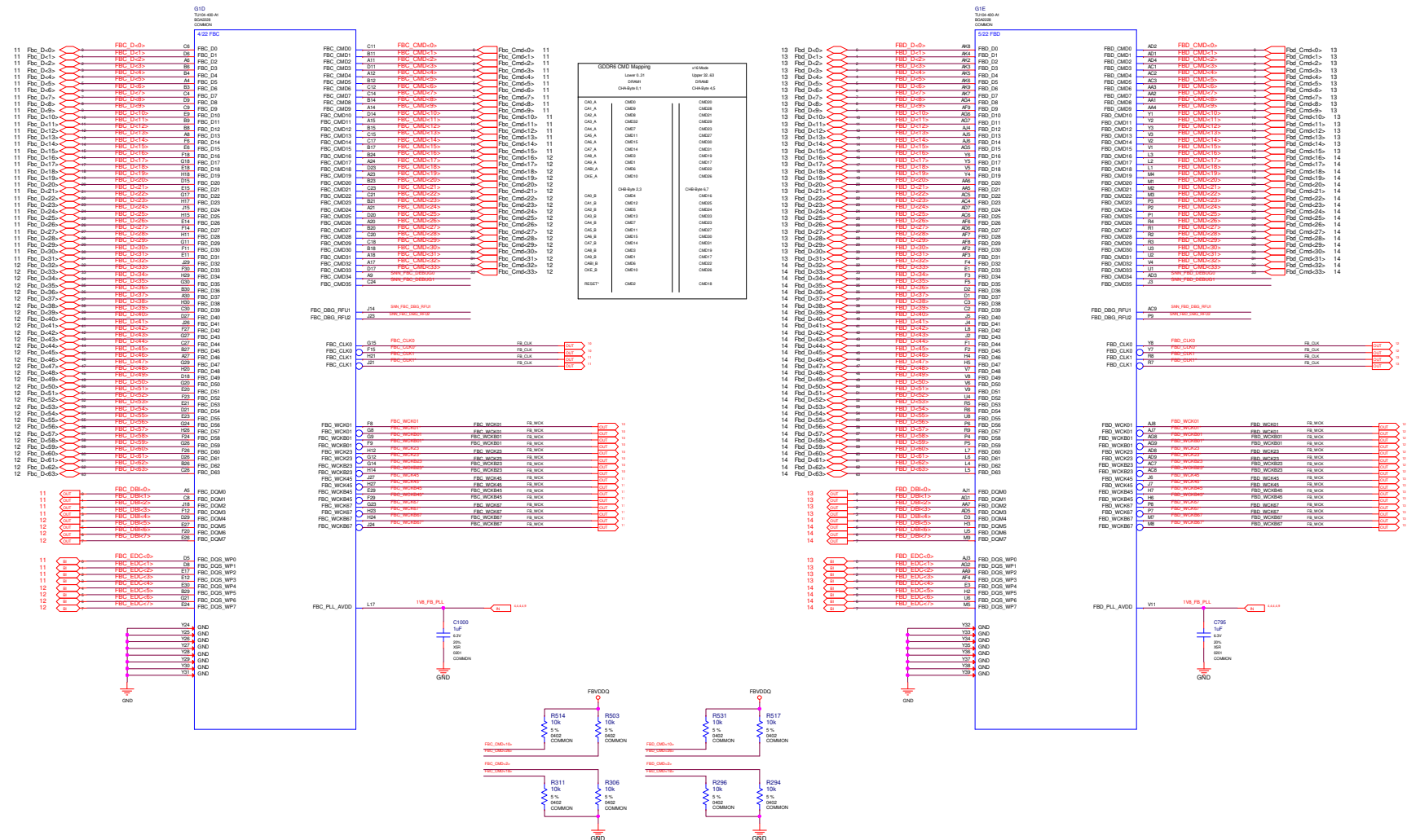
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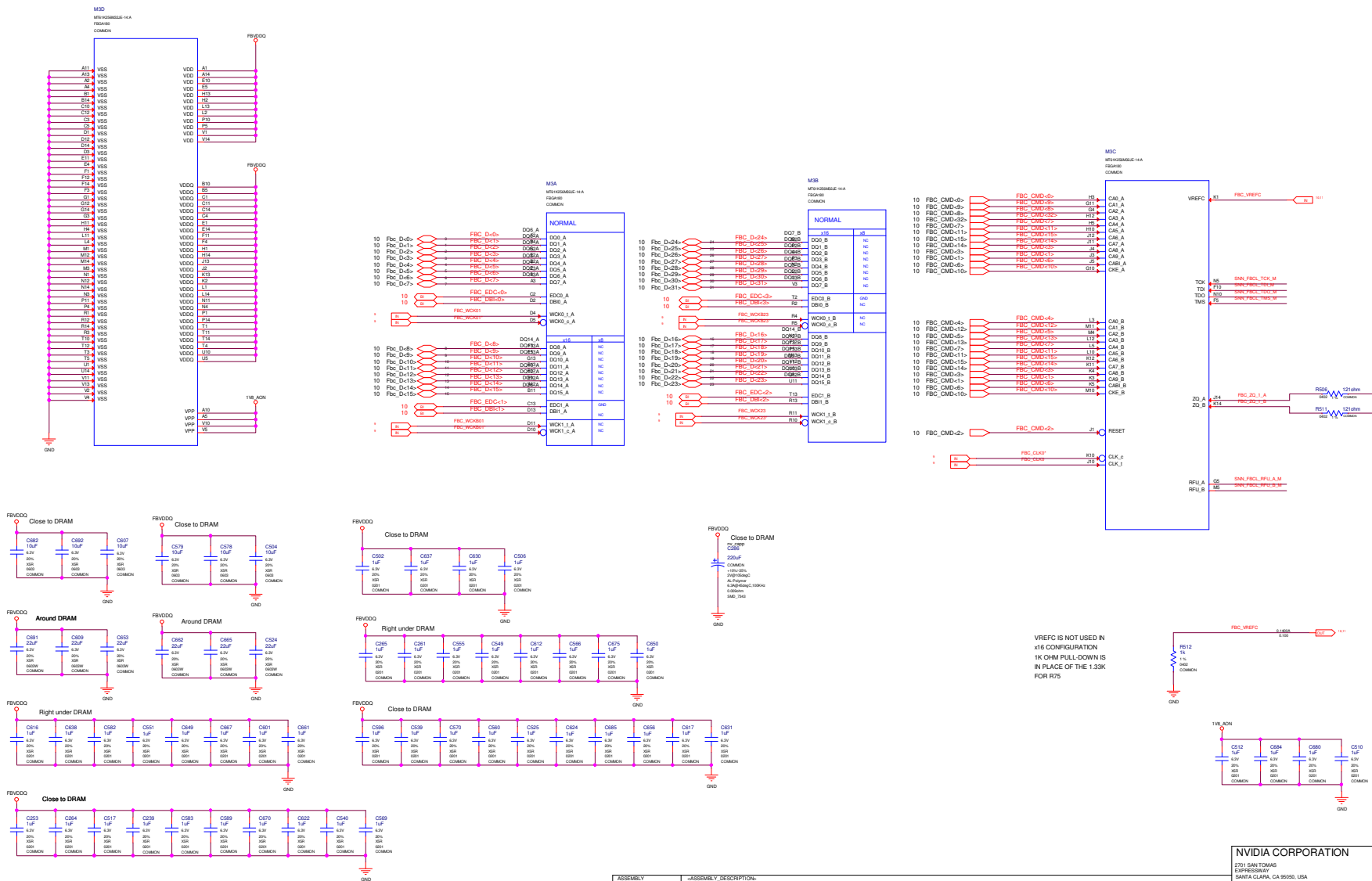
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ASSEMBLY	-ASSEMBLY DESCRIPTION-			EXPRESSWAY	
PAGE DETAIL	MEMORY: FB01(10)			SANTA CLARA, CA 95050, USA	
				NV_PN	600-1G161-BASE-200
				7GB REV	P01REV 000
				8GB REV	A
				DATE	06 DEC 2018



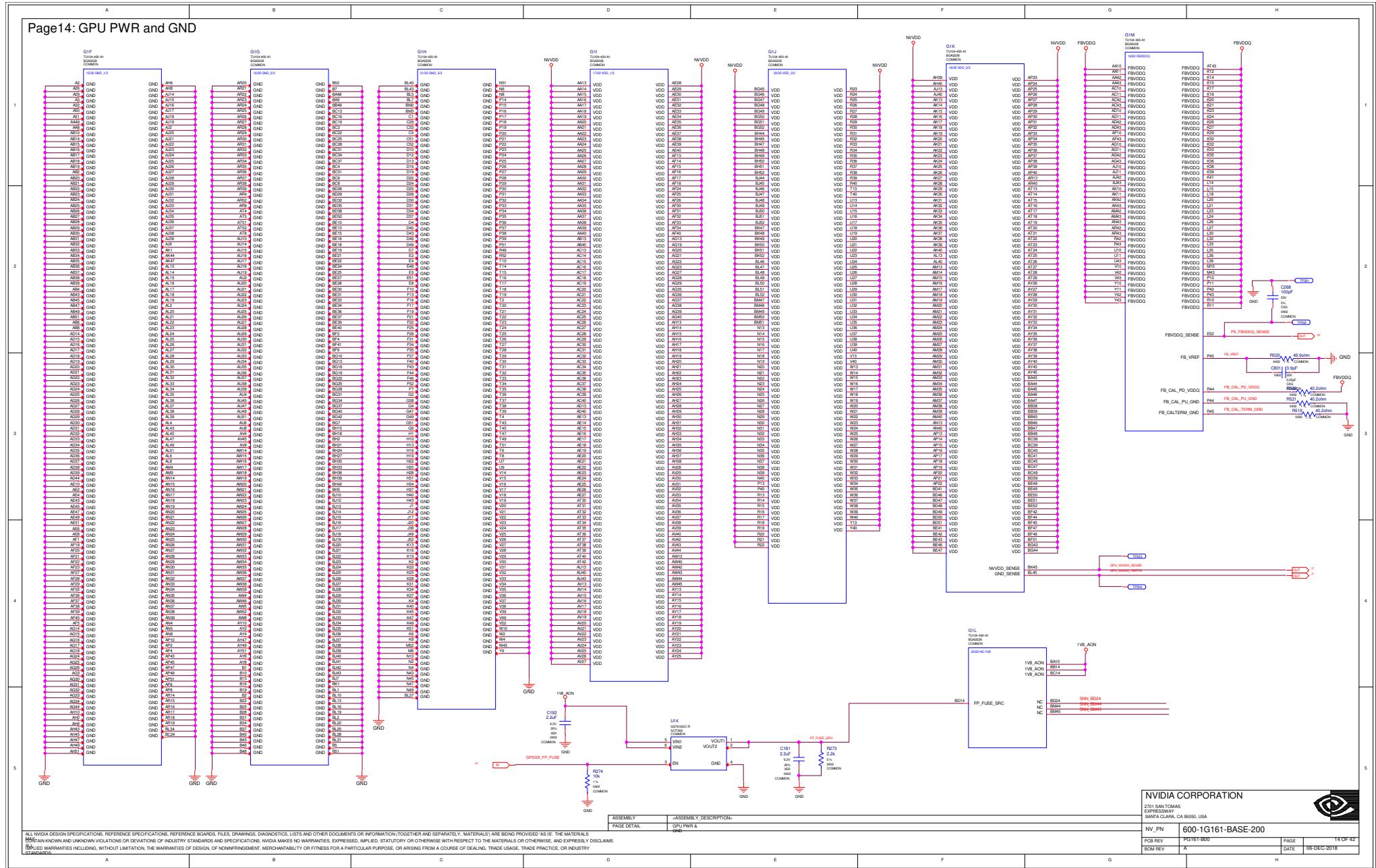


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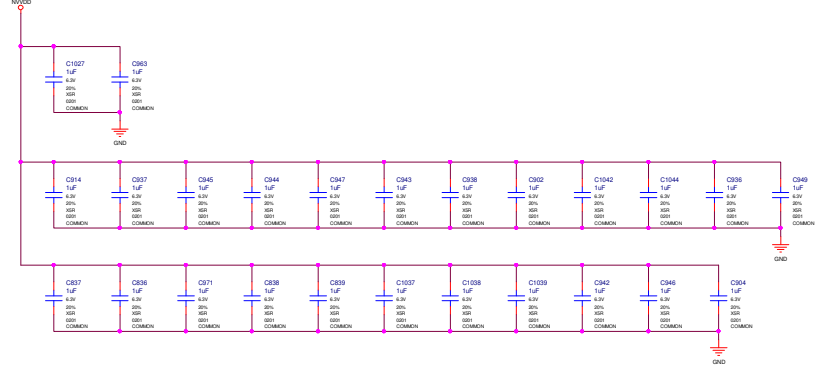
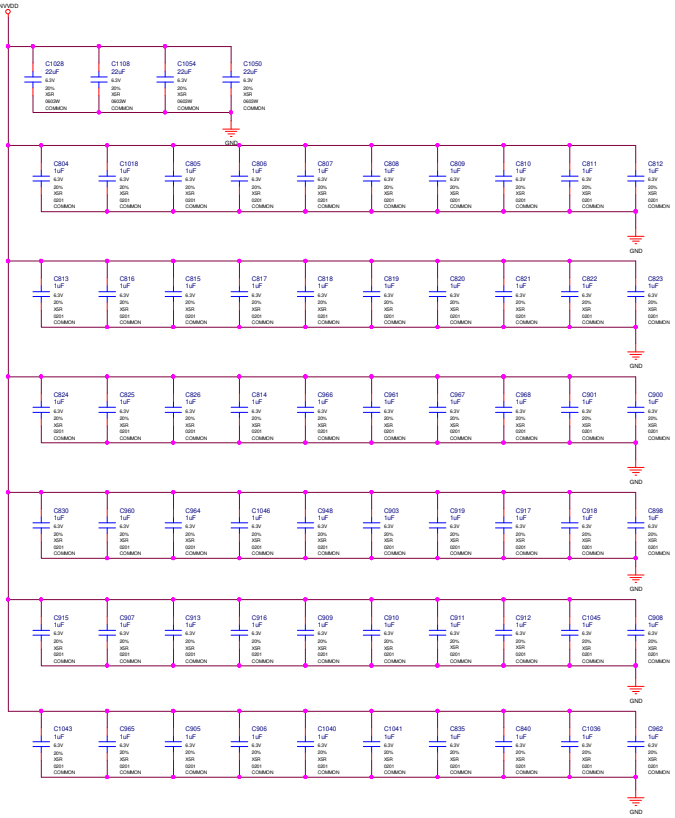
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ASSEMBLY	DESCRIPTION
GPU PWR & GND	

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NV_PN	600-1G161-BASE-200
PCB REV	1.0
DATE	06 DEC 2018



NVVDD

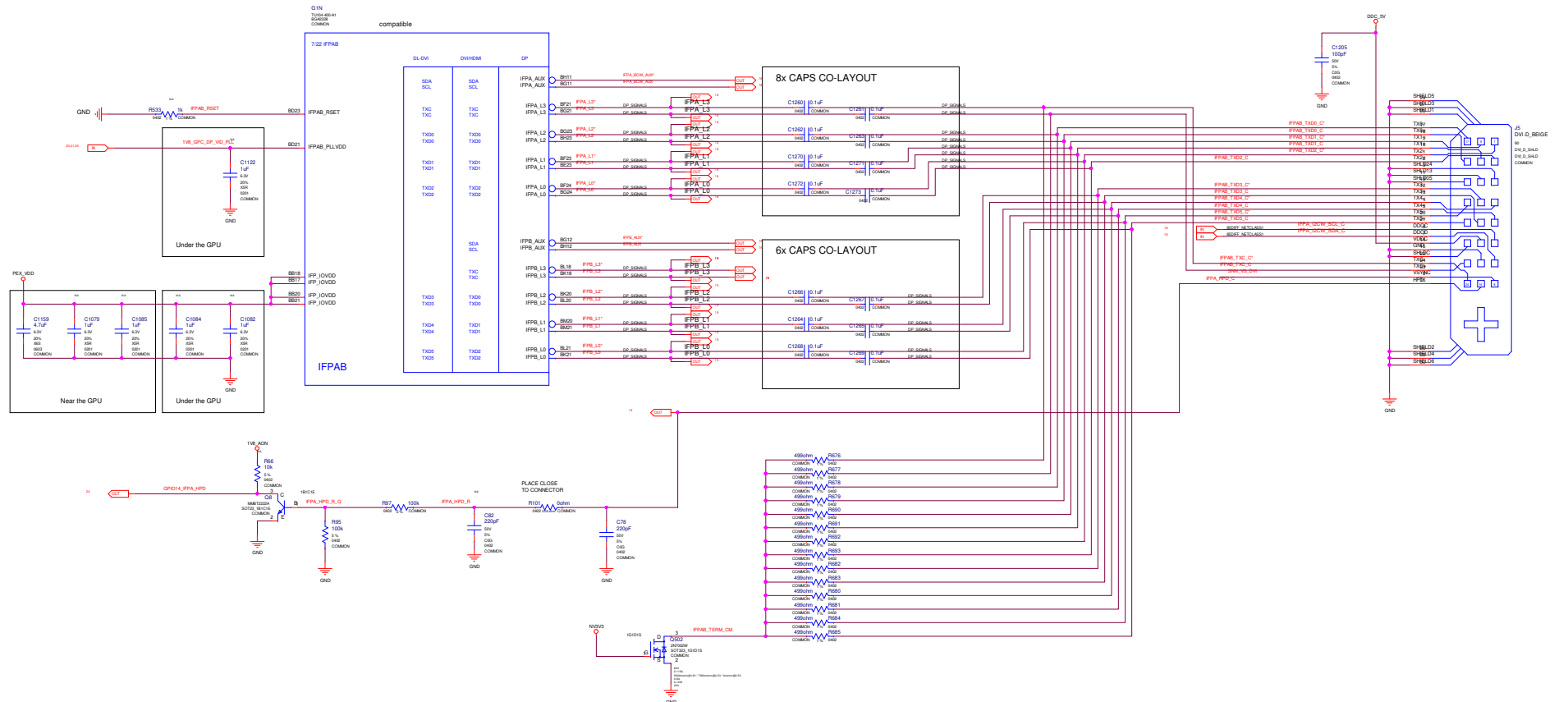


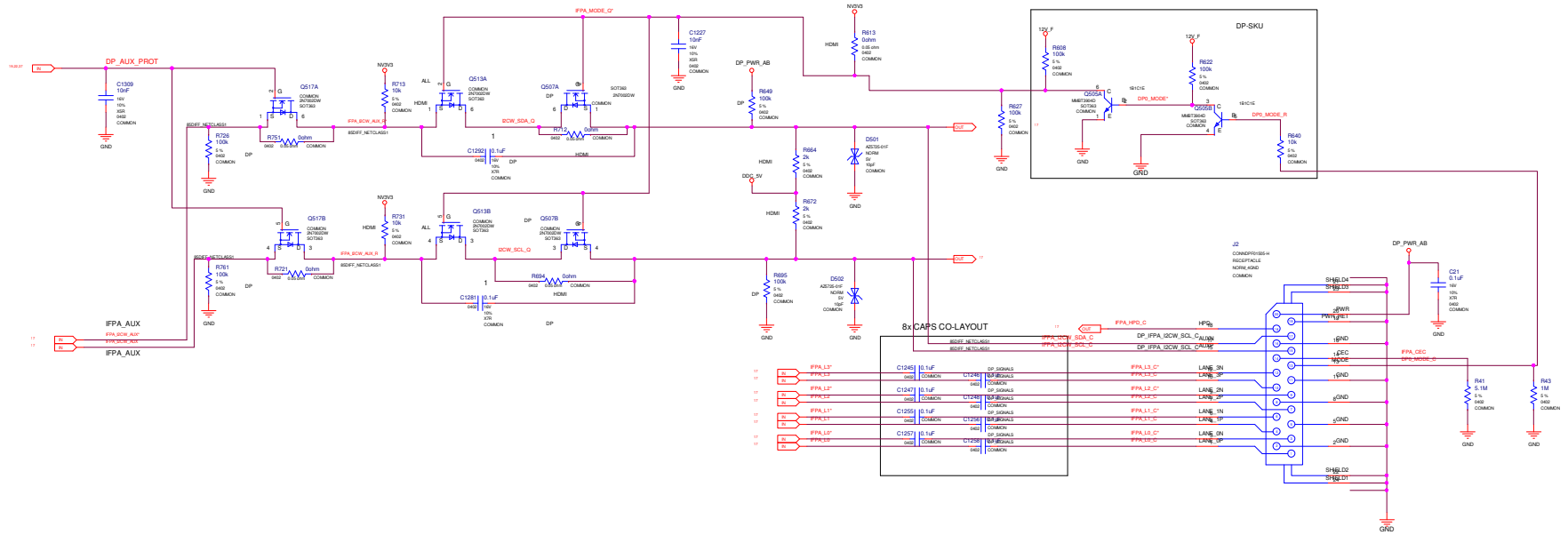
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ASSEMBLY	-ASSEMBLY DESCRIPTION-
PAGE DETAIL	GPU DECOUPLING 2

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PCB REV		600-1G161-BASE-200	
SCM REV		A	
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DATE		06 DEC 2018	







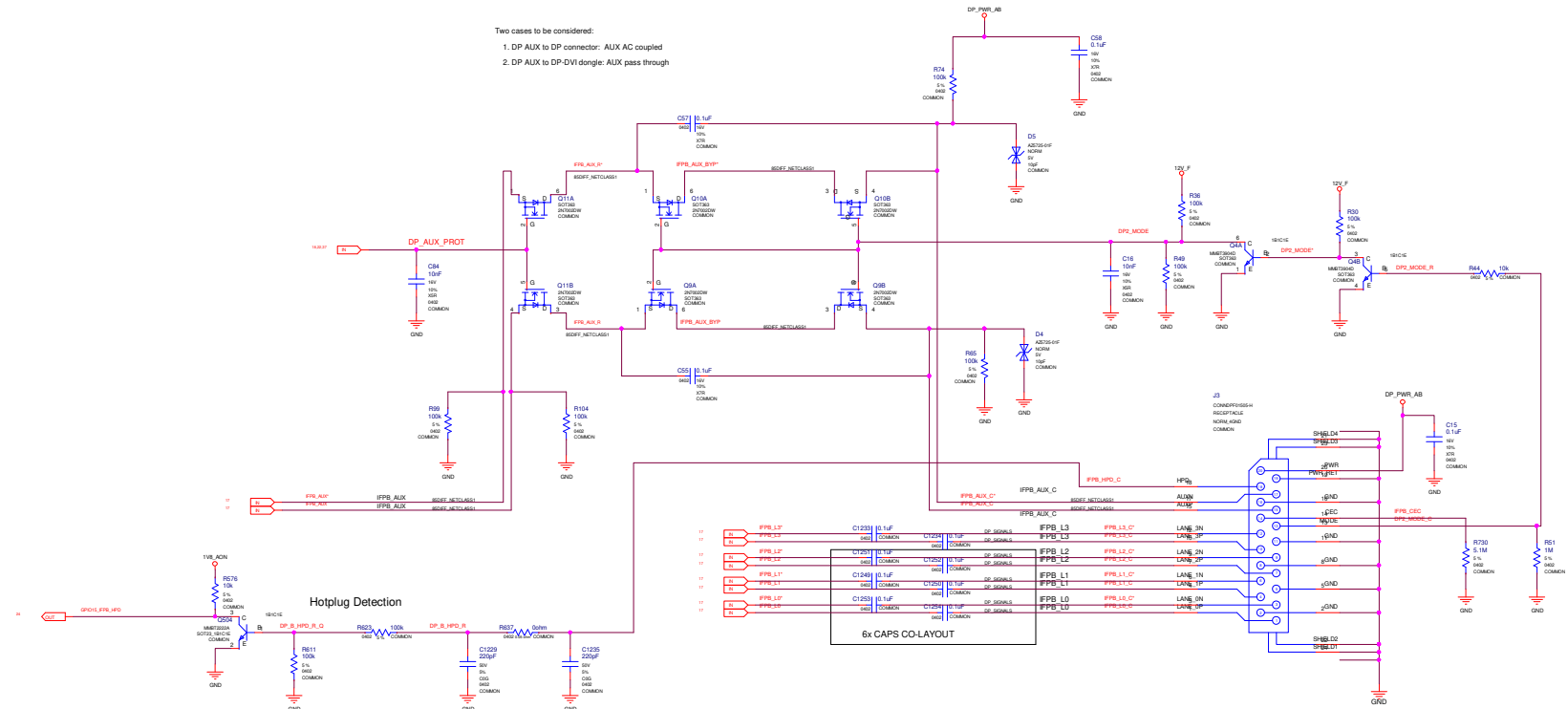
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ASSEMBLY	ASSEMBLY DESCRIPTION
PAGE DETAIL	10: IFPA DP

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NV_PN	600-1G161-BASE-200
PCR REV	PG161-B00
SCM REV	A
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PN_NP 600-1G161-BASE-200

PCB REV P0161-B00

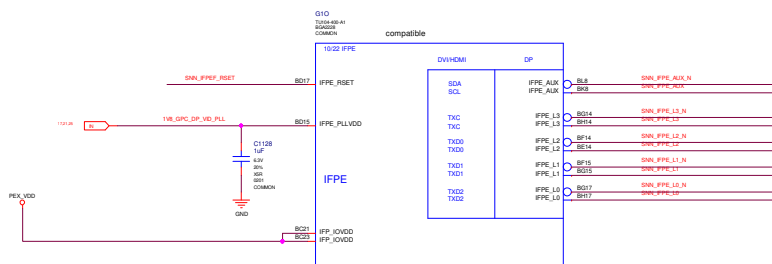
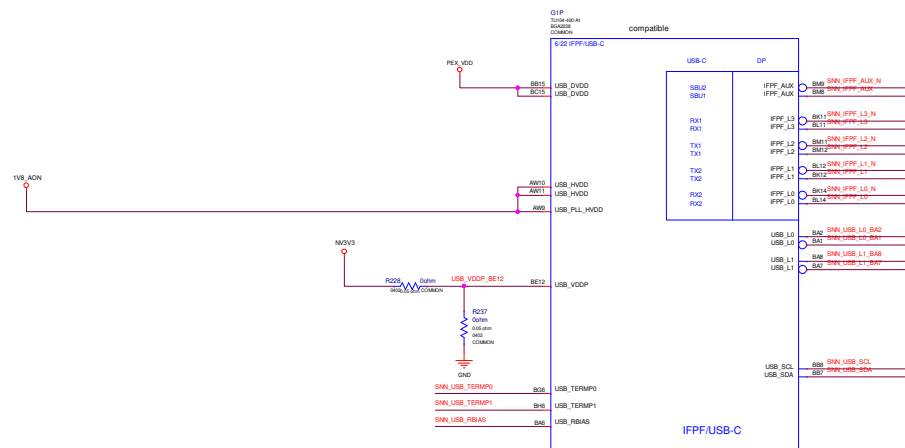
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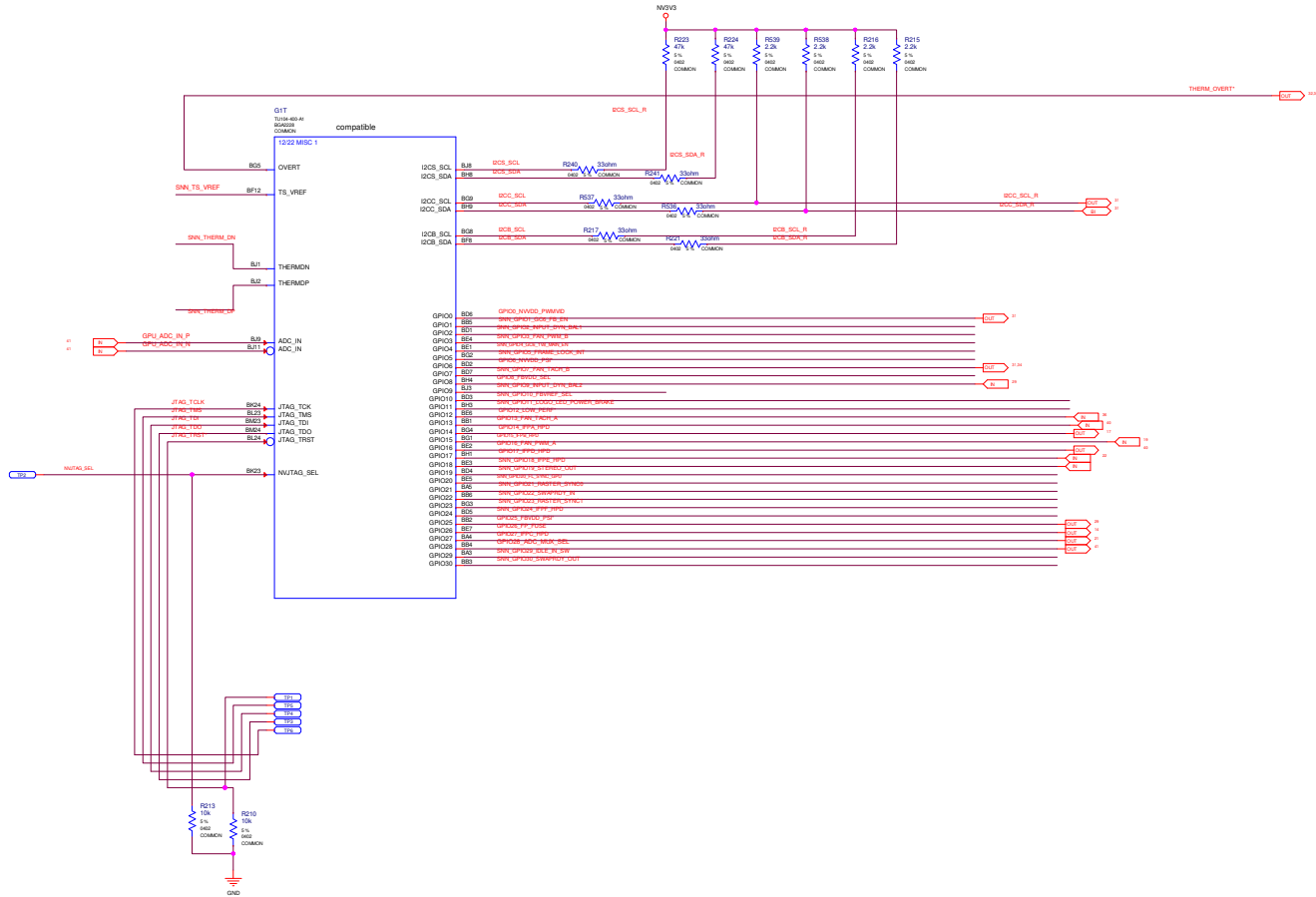
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ASSEMBLY	-ASSEMBLY DESCRIPTION-
PAGE DETAIL	10: IFPB DP





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ASSEMBLY	-ASSEMBLY DESCRIPTION-
PAGE DETAIL	MISC1: JTAG, GPIO, ADC, I2C, OVERT

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NV_PN	600-1G161-BASE-200
PCB REV	PG1611300
ECN REV	A
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DATE	06 DEC 2018

Page25: ROM, XTAL, Straps

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				

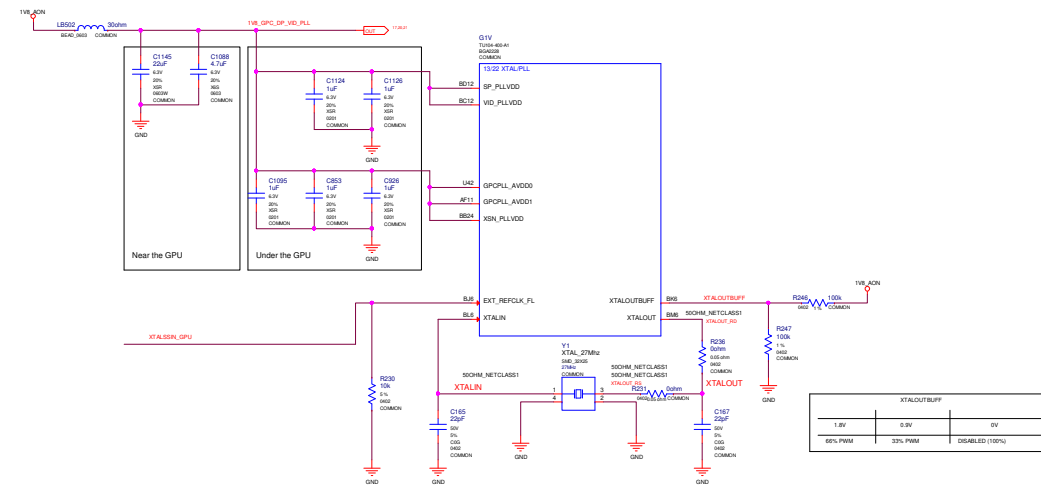
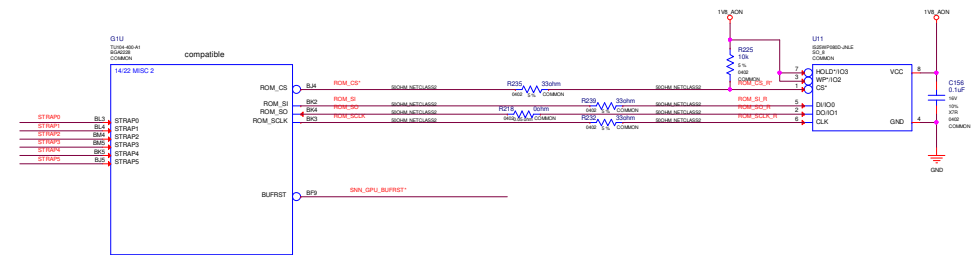
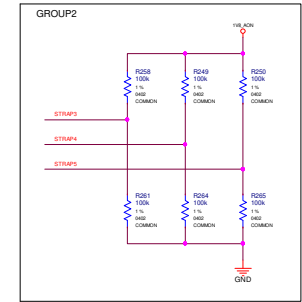
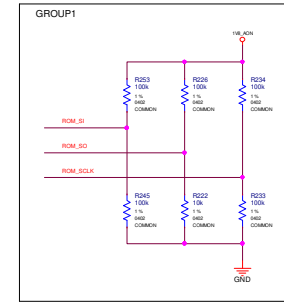
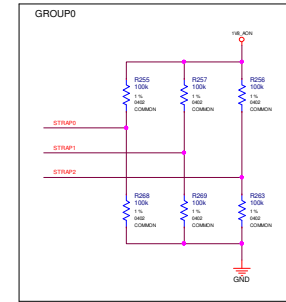
ROM_SO	ROM_SI	ROM_SCLK	DUMMY[2:0]_FS_OVERT	1:ENABLE 0:DISABLE	DEFAULT
L	L	L	XXX1	FS_OVERT ENABLE	DEFAULT
L	L	M	XXX0	FS_OVERT DISABLE	

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	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



XTALOUTBUFF	XTALOUT	XTALOUTBUFF
1.8V	0.9V	0V
66% PWM	33% PWM	DISABLED (100%)

ASSEMBLY	ASSEMBLY DESCRIPTION
PAGE DETAIL	MISC2 ROM XTAL STRAPS

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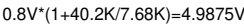
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DATE 06 DEC 2016



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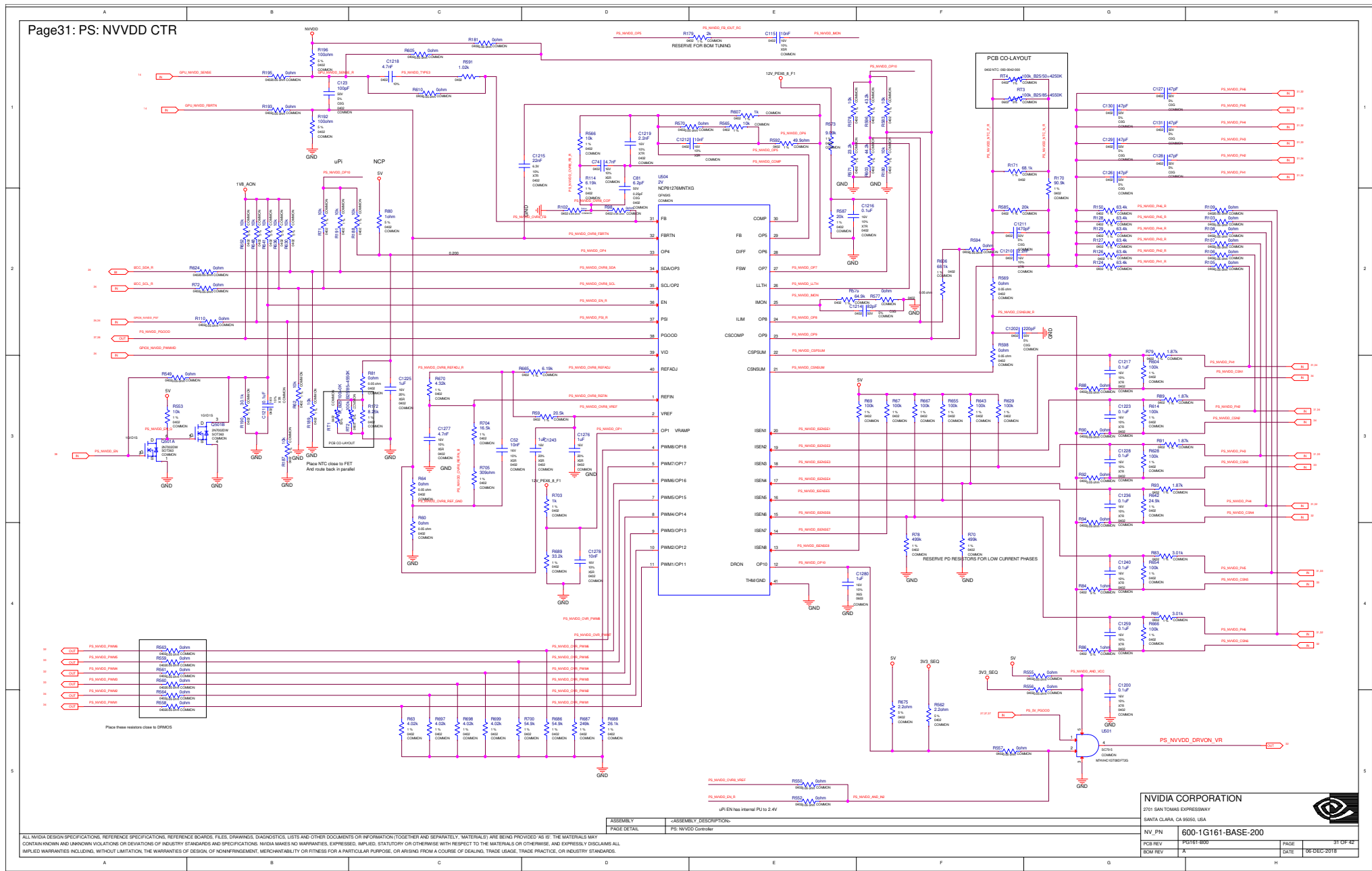
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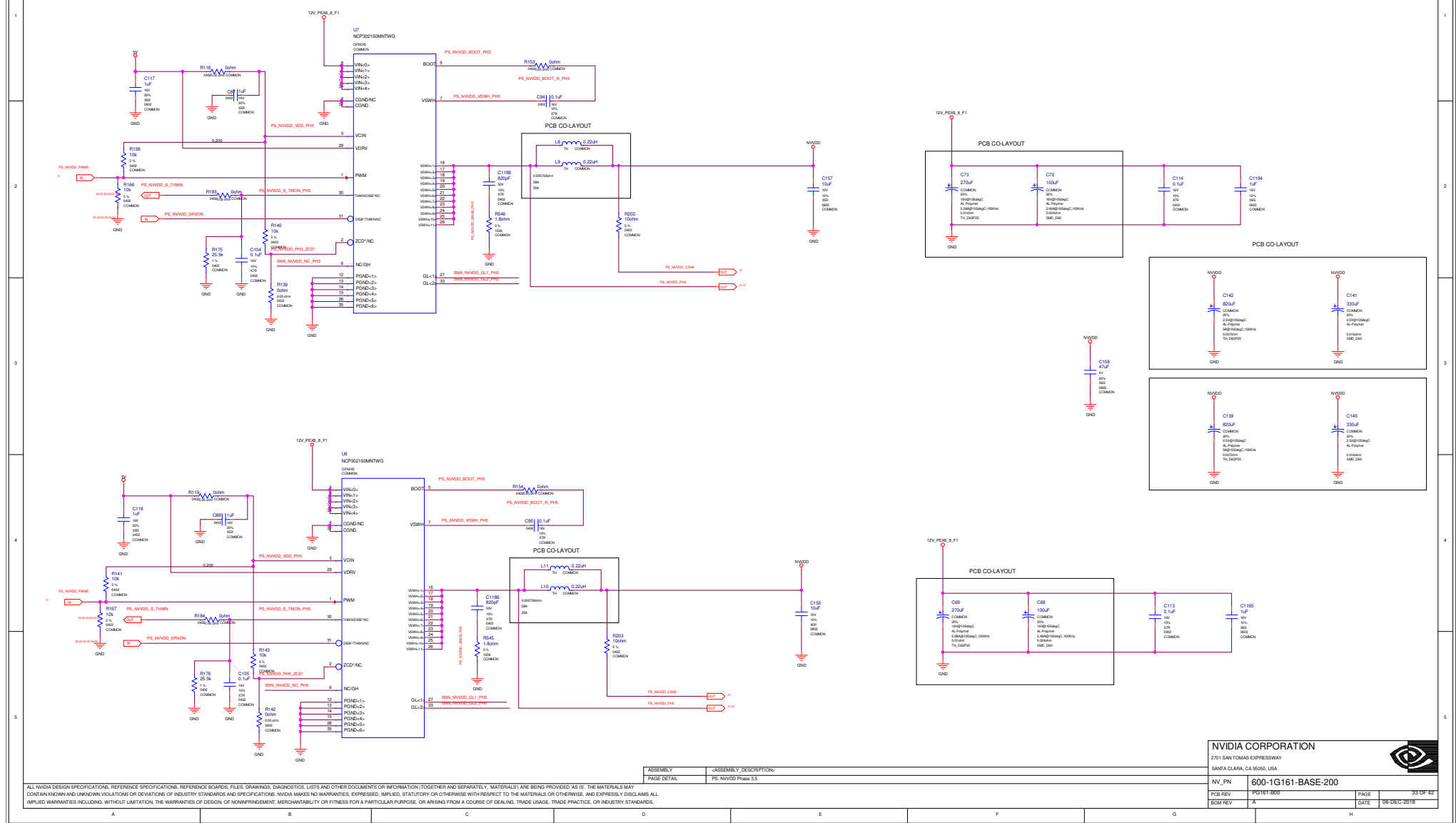
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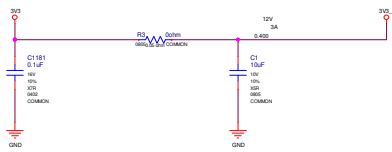
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BOM REV	A	DATE	05-DEC-2018

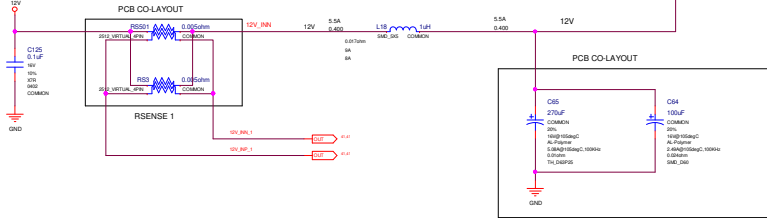




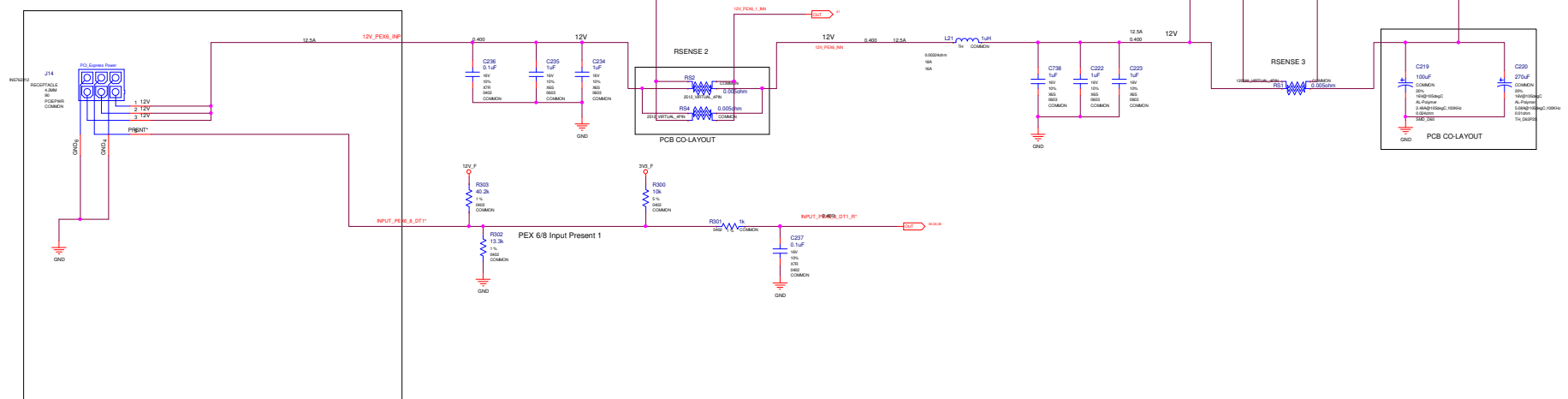
PEX 3V3 INPUT - 10W



PEX_12V INPUT - 66W



PEX8 INPUT 1 - 2x4 PCIE CON 150W



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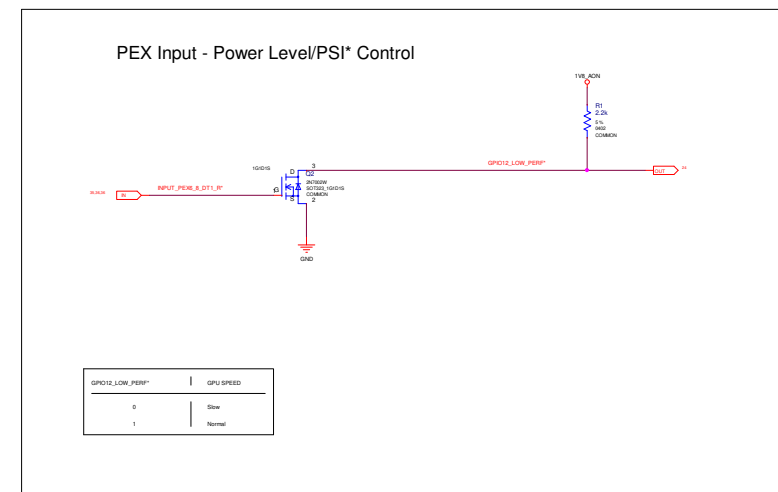
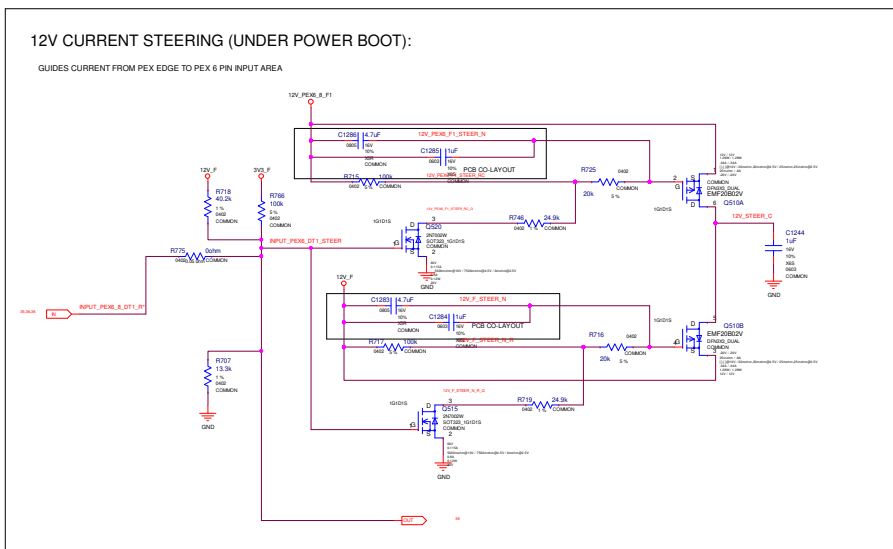
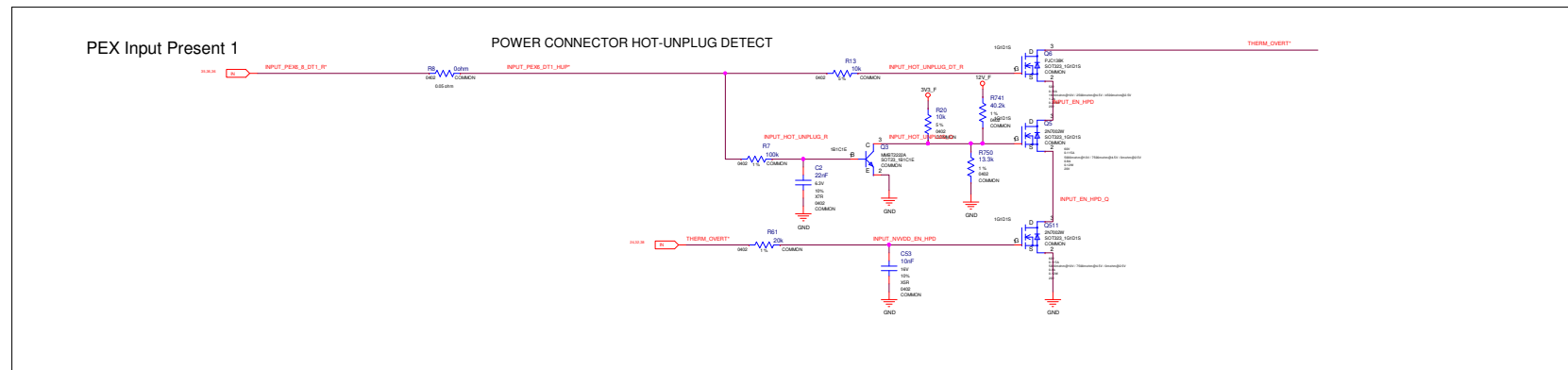


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PAGE DETAIL PS: PEX_INPUT, 12V_EXT_INPUT, FILTERING



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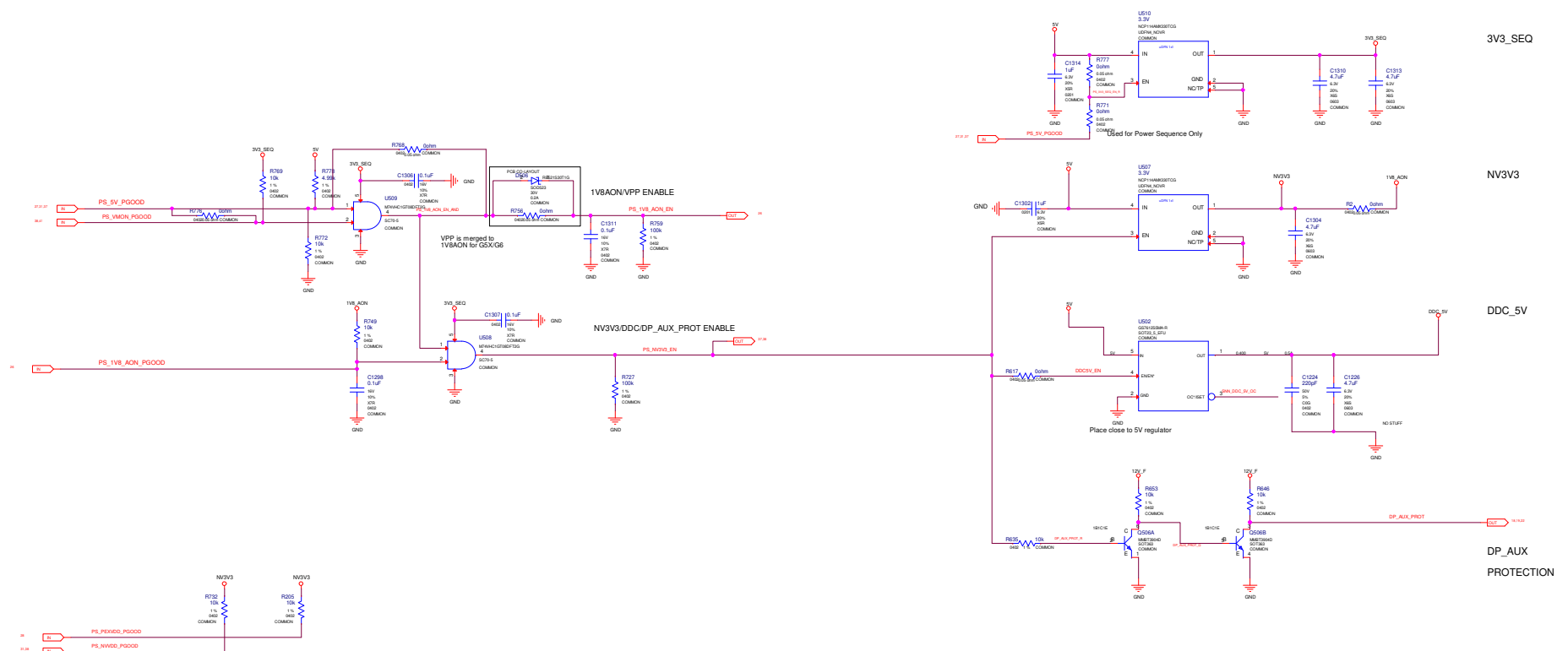
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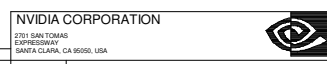
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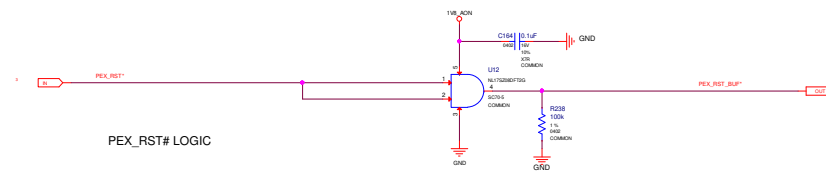
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		PAGE	37 OF 42





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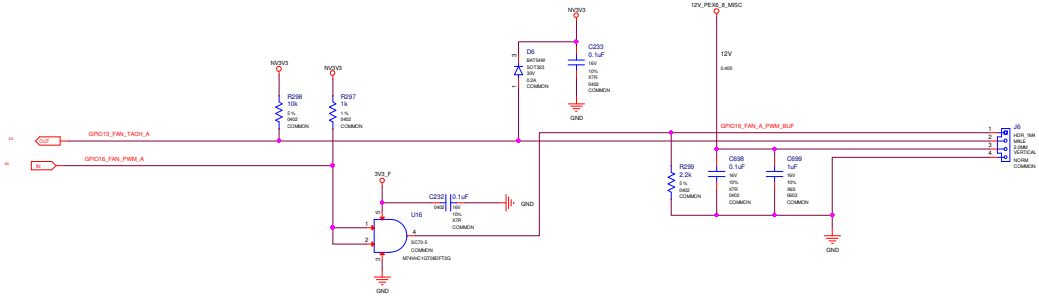
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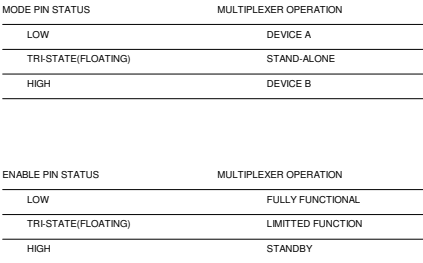
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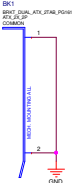
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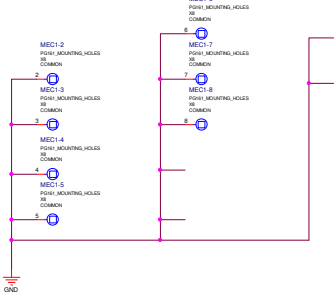
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PCB REV	PG161-B00	PAGE	41 OF 42
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Bracket:



MOUNTING HOLES FOR HS:



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