

PG165-A00

TU116 6GB GDDR5, 192b, X32
DVI-D + DP + HDMI

TABLE OF CONTENTS

Page	Description
1	Table of Contents
2	Block Diagram
3	PCI Express
4	MEMORY: GPU FB_AB
5	MEMORY: FBA[31:0]
6	MEMORY: FBA[63:32]
7	MEMORY: FBB[31:0]
8	MEMORY: FBB[63:32]
9	MEMORY: GPU FB_CD
10	MEMORY: FBC[31:0]
11	MEMORY: FBC[63:32]
12	MEMORY: FBD[31:0]
13	MEMORY: FBD[63:32]
14	GPU PWR & GND
15	GPU DECOUPLING 1
16	GPU DECOUPLING 2
17	IO: IFPAB DVI-D-DL
18	IO: IFPA DP
19	IO: IFPB DP
20	IO: IFPE & IFPF NC
21	IO: IFPC HDMI
22	IO: IFPD DP
23	IO: NVHS INTERFACE AND FRAME LOCK
24	MISC1: JTAG,GPIO,ADC,I2C,OVERT
25	MISC2: ROM, XTAL,STRAPS

Page	Description
26	PS: 1V8_AON
27	PS: 5V
28	PS: PEXVDD
29	PS: FBVDDQ
30	PS: FBVDDQ PH2
31	PS: NVVDD Controller
32	PS: NVVDD Phase 6,4
33	PS: NVVDD Phase 3,5
34	PS: NVVDD Phase 2,1
35	PS: PEX_INPUT, 12V_EXT_INPUT, FILTERING
36	PS: CURRENT STEERING,UPB,HOT-UNPLUG
37	SEQ: 1V8_AON, 3V3_SEQ, NV3V3, DDC_5V, DP_AUX_PROT
38	SEQ: NVVDD, PEX, FBVDDQ ENABLE
39	SEQ: MISC
40	FAN
41	PS: OVRM_PWR SENSE
42	MECH

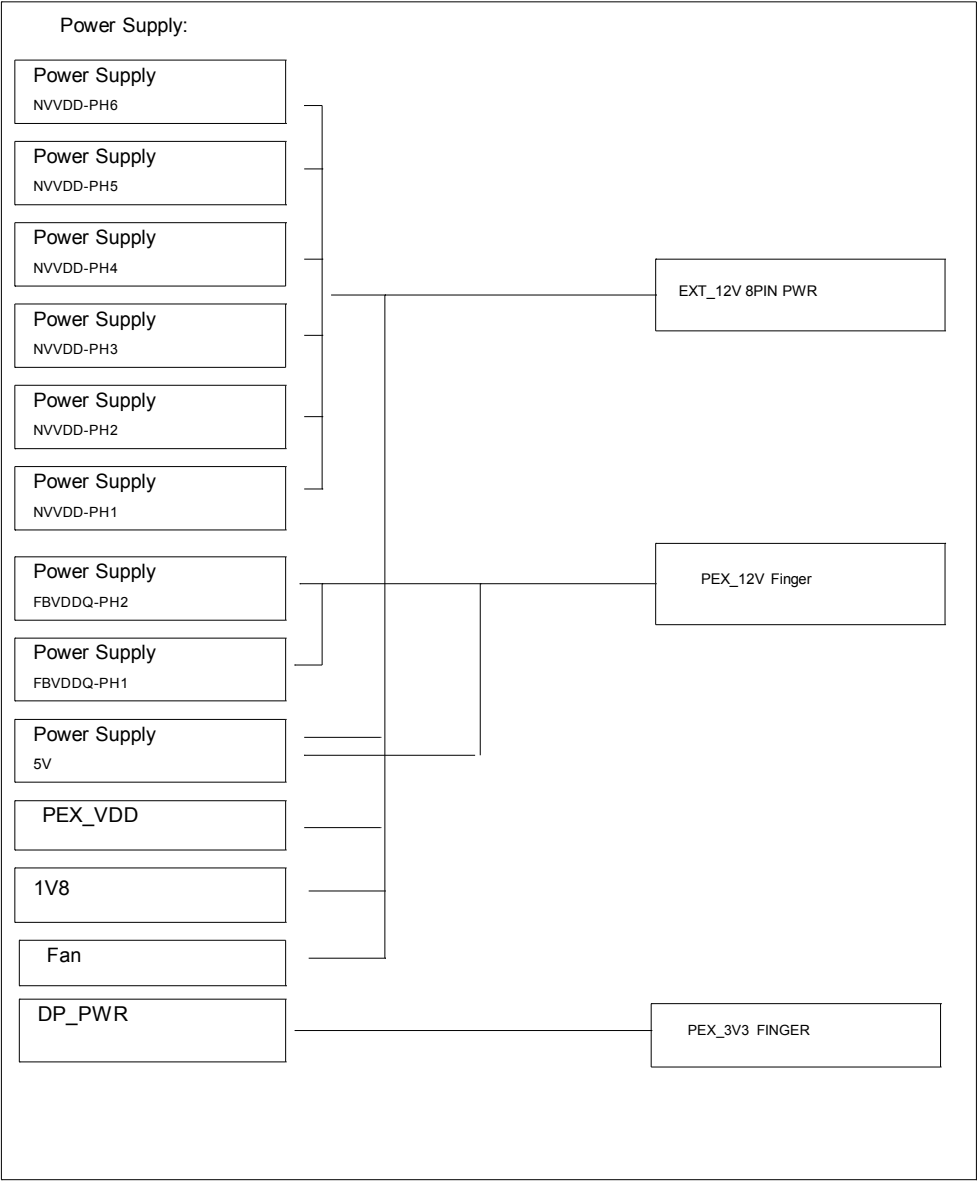
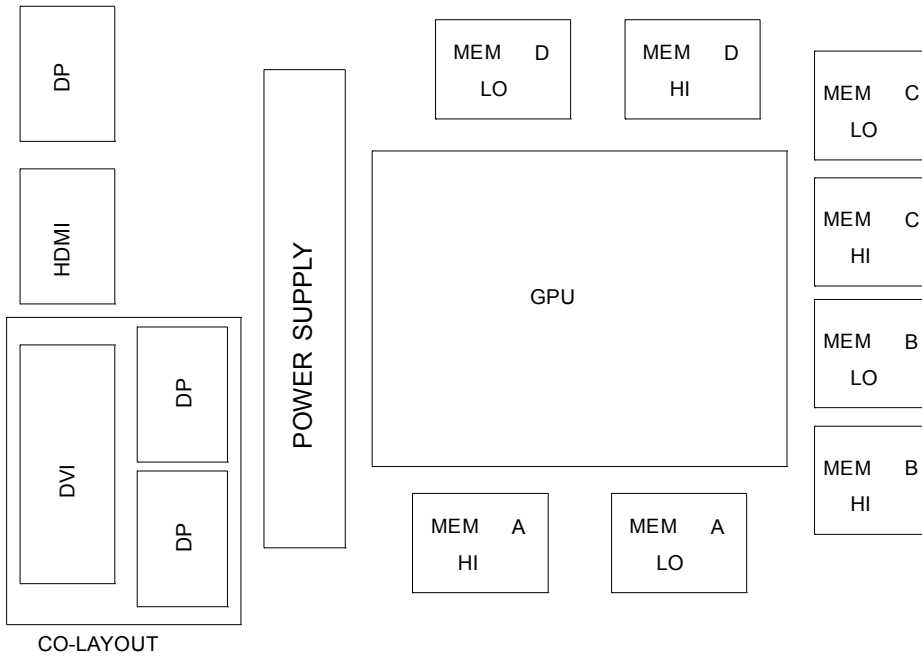
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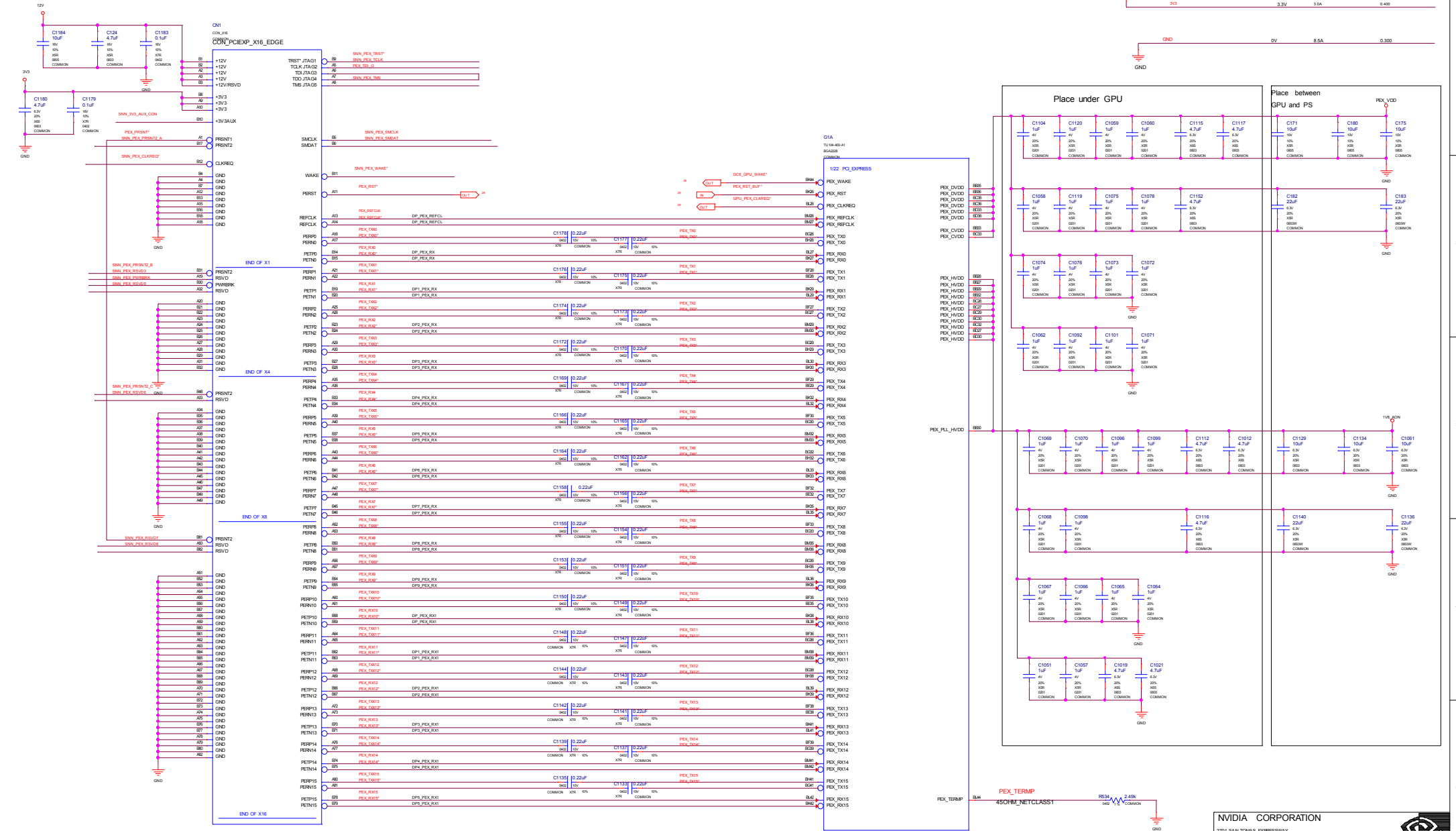
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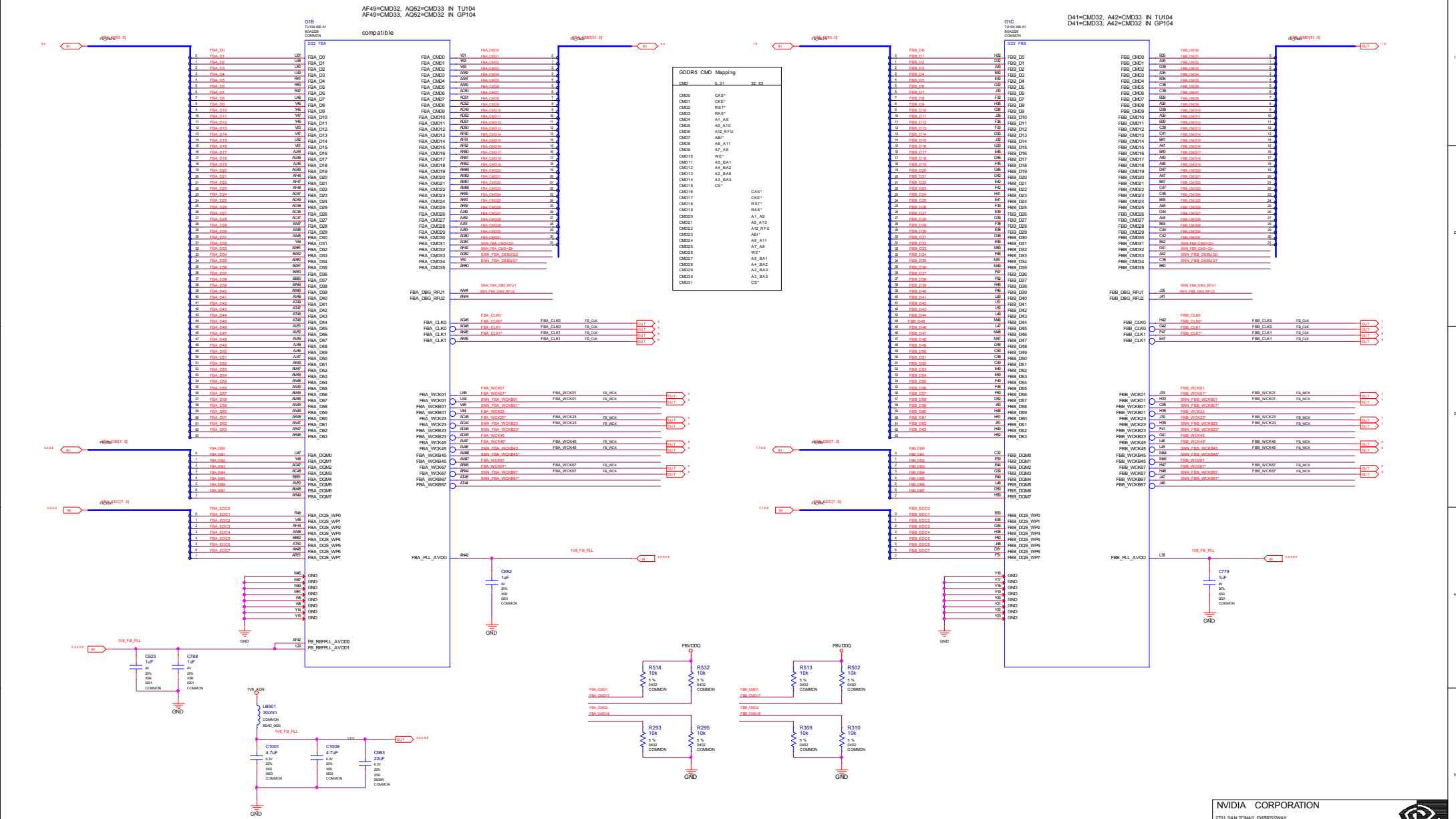
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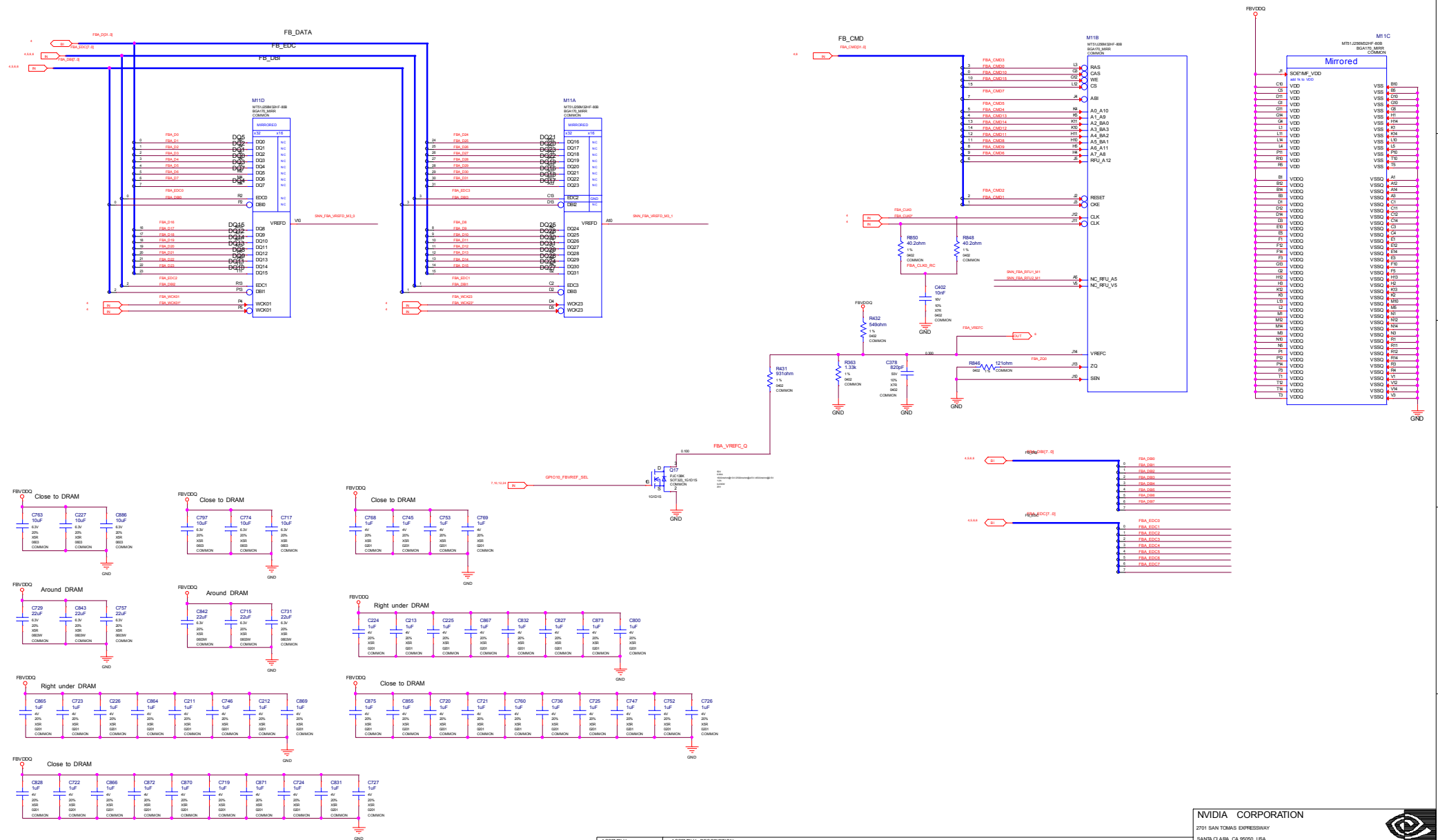
PCB REV	PG165-A00	PAGE	3 OF 42
BOM REV	B	DATE	14-DEC-2018





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BOM REV	8	DATE	14-DEC-2018		



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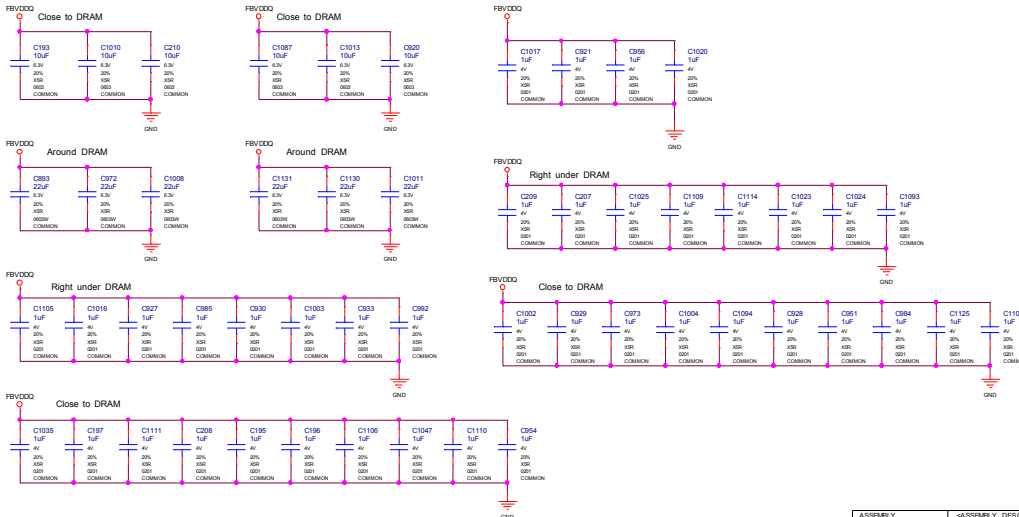
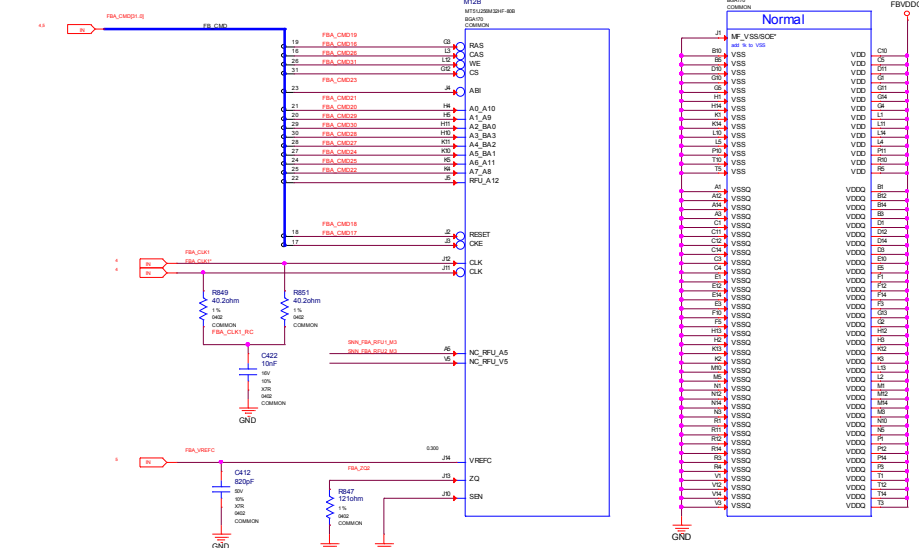
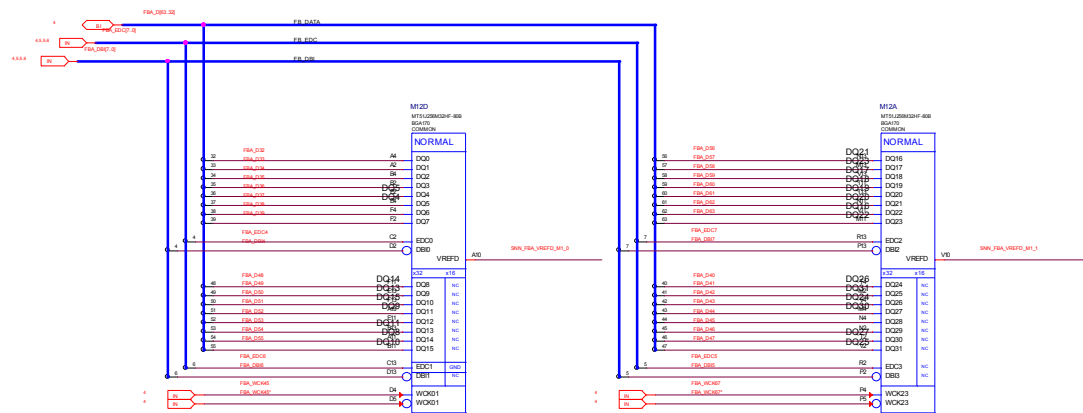
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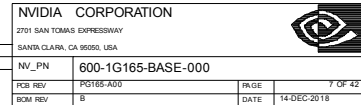
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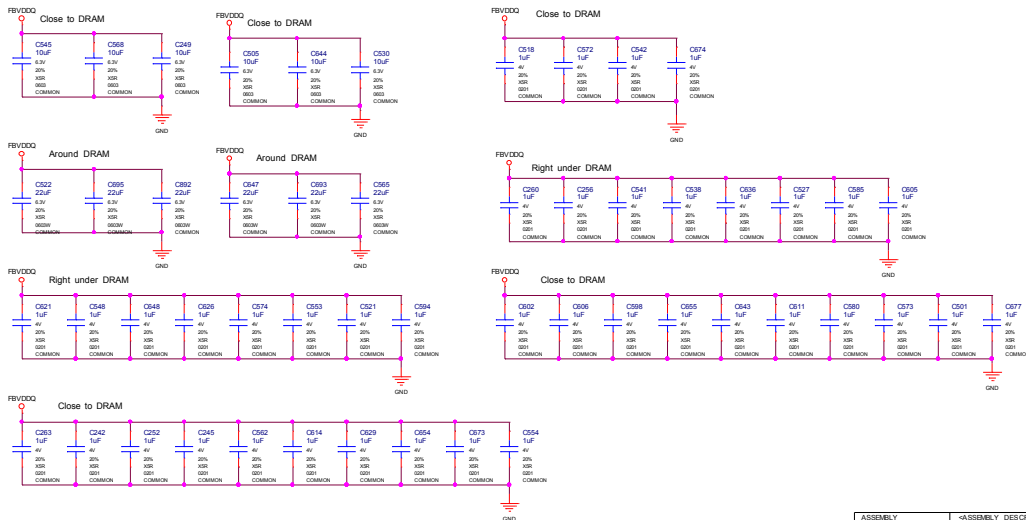
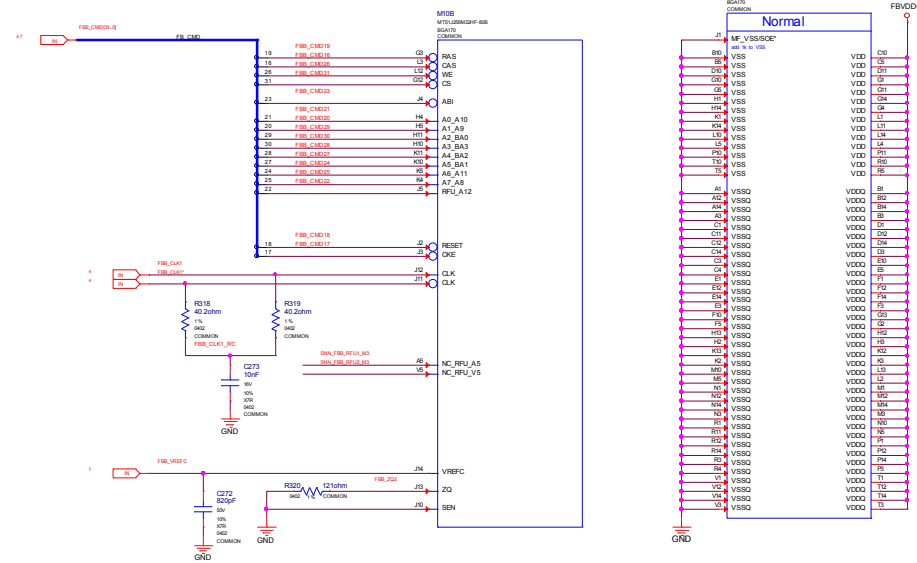


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BCM REV	B
DATE	14-DEC-2018
PAGE	6 OF 42

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BOM REV	B	DATE	14-DEC-2018



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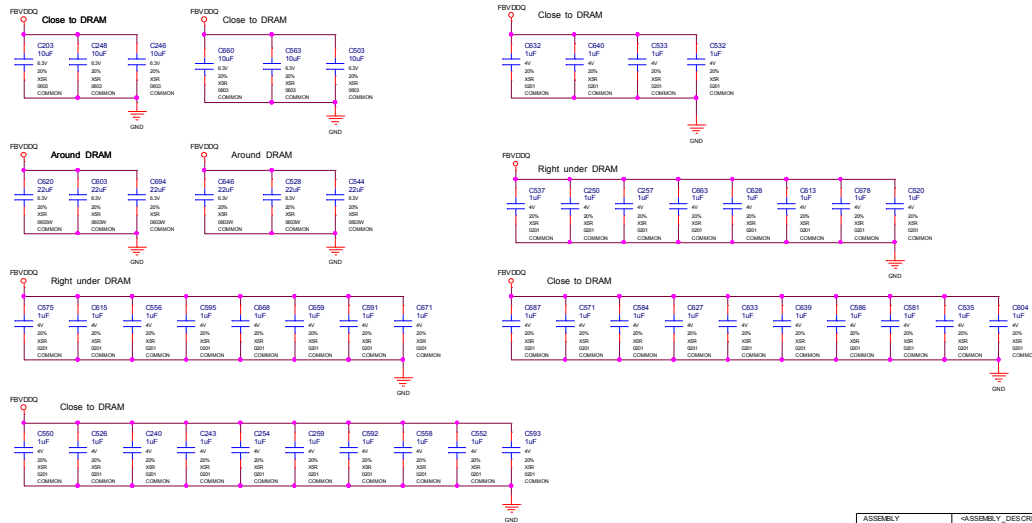
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BOM REV	B	DATE	14-DEC-2018

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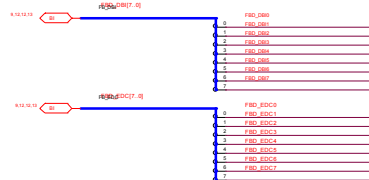
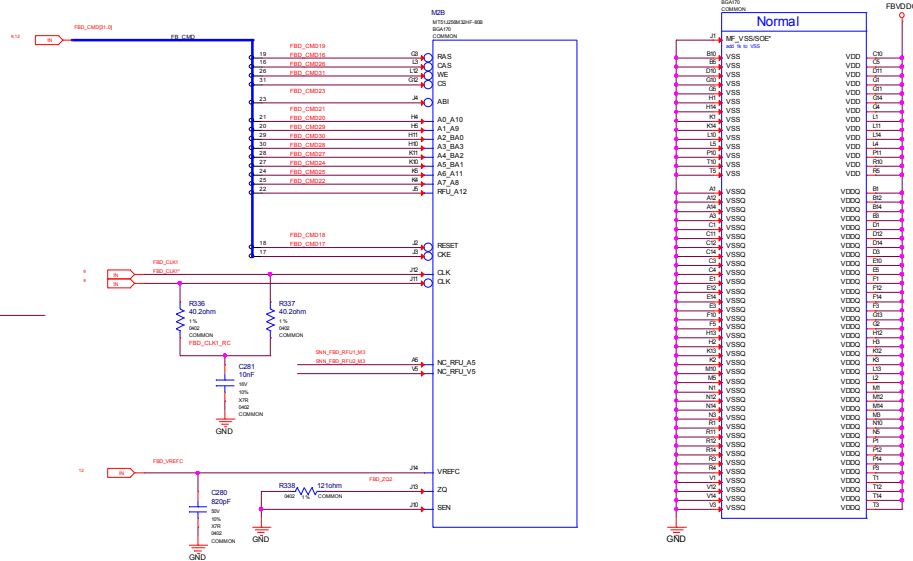


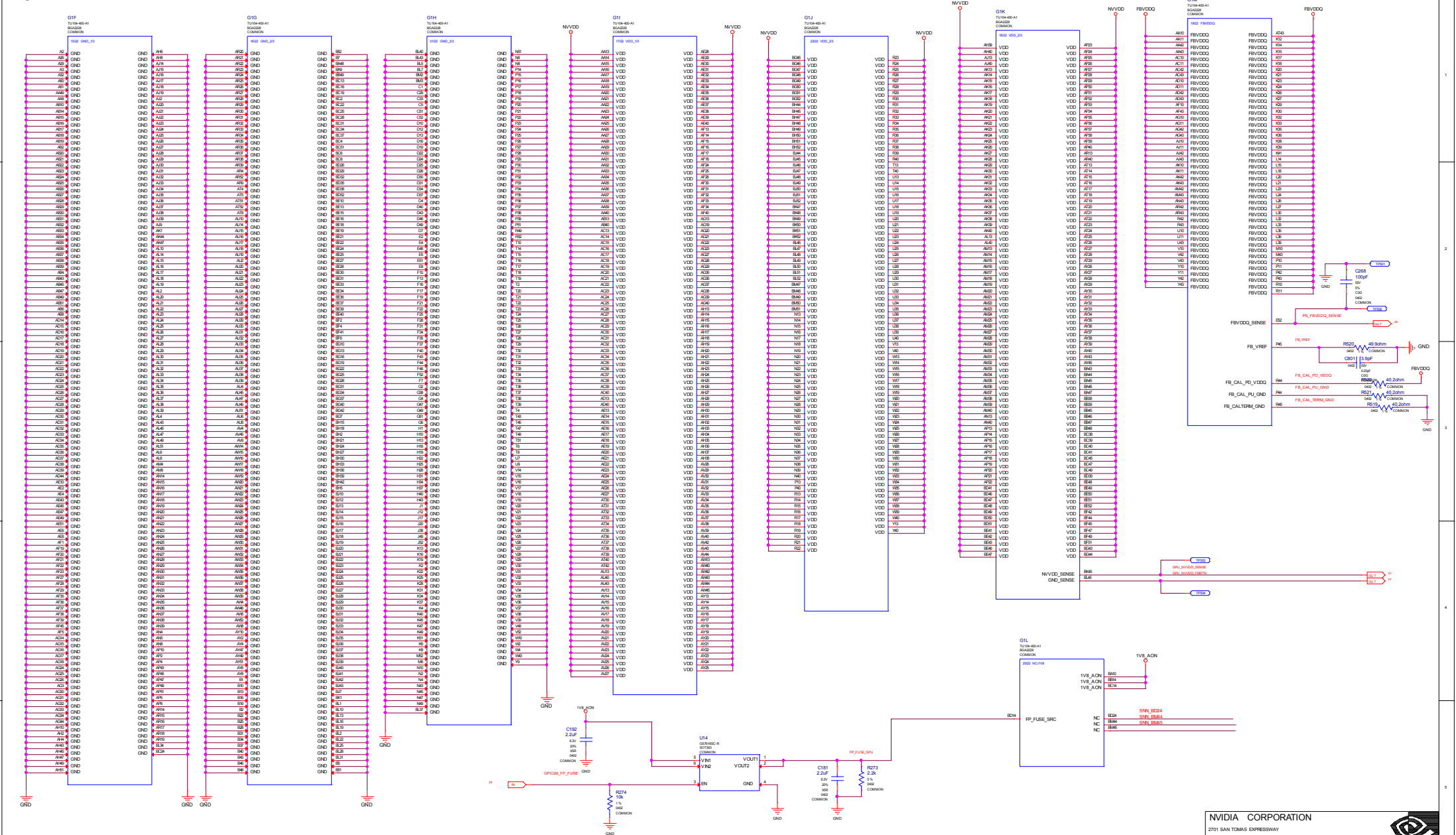
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PCB REV	PG165-ADD	PRG#	11 OF 42
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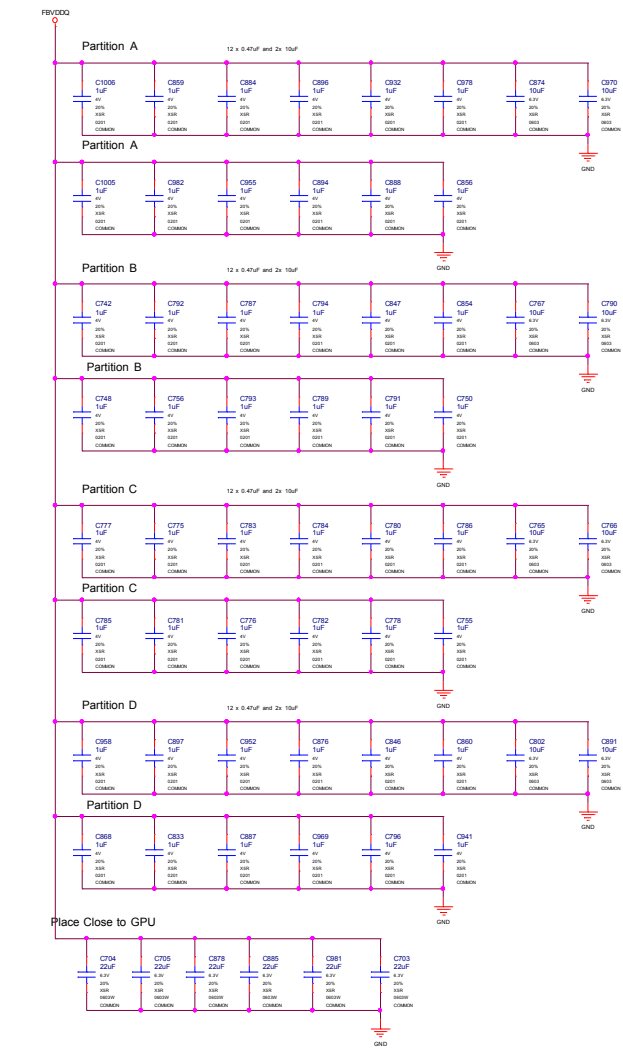
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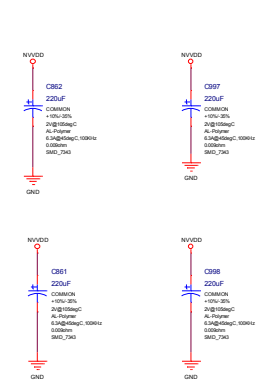


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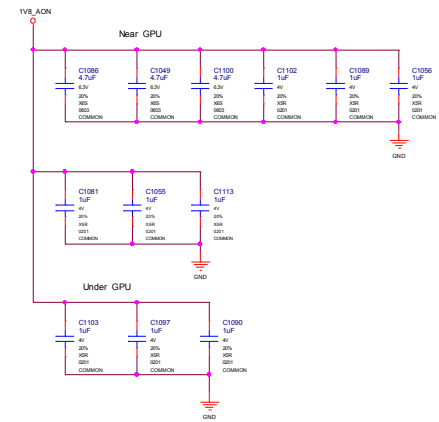
FBVDDQ



NVDD



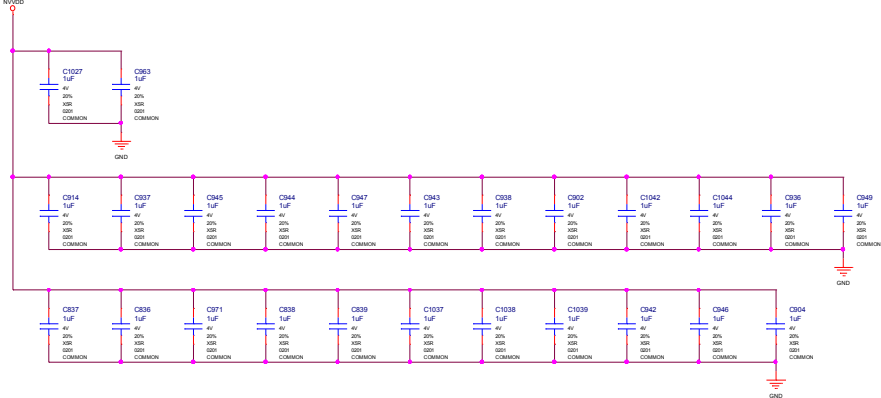
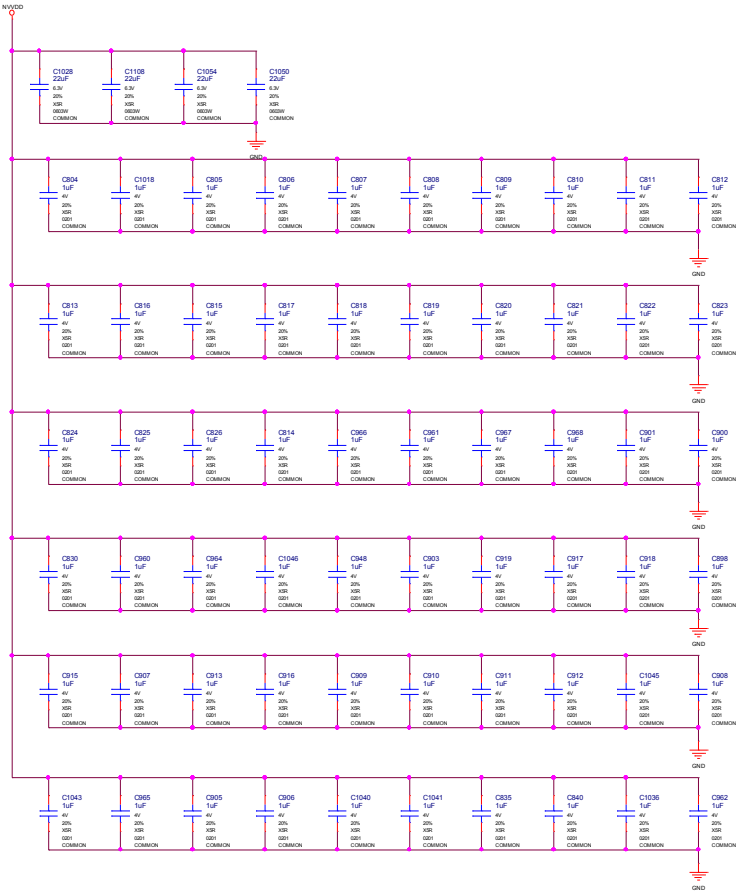
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PCB REV	PG165-A00	PKG	15 OF 42
BOM REV	8	DATE	14-DEC-2018

NVDD

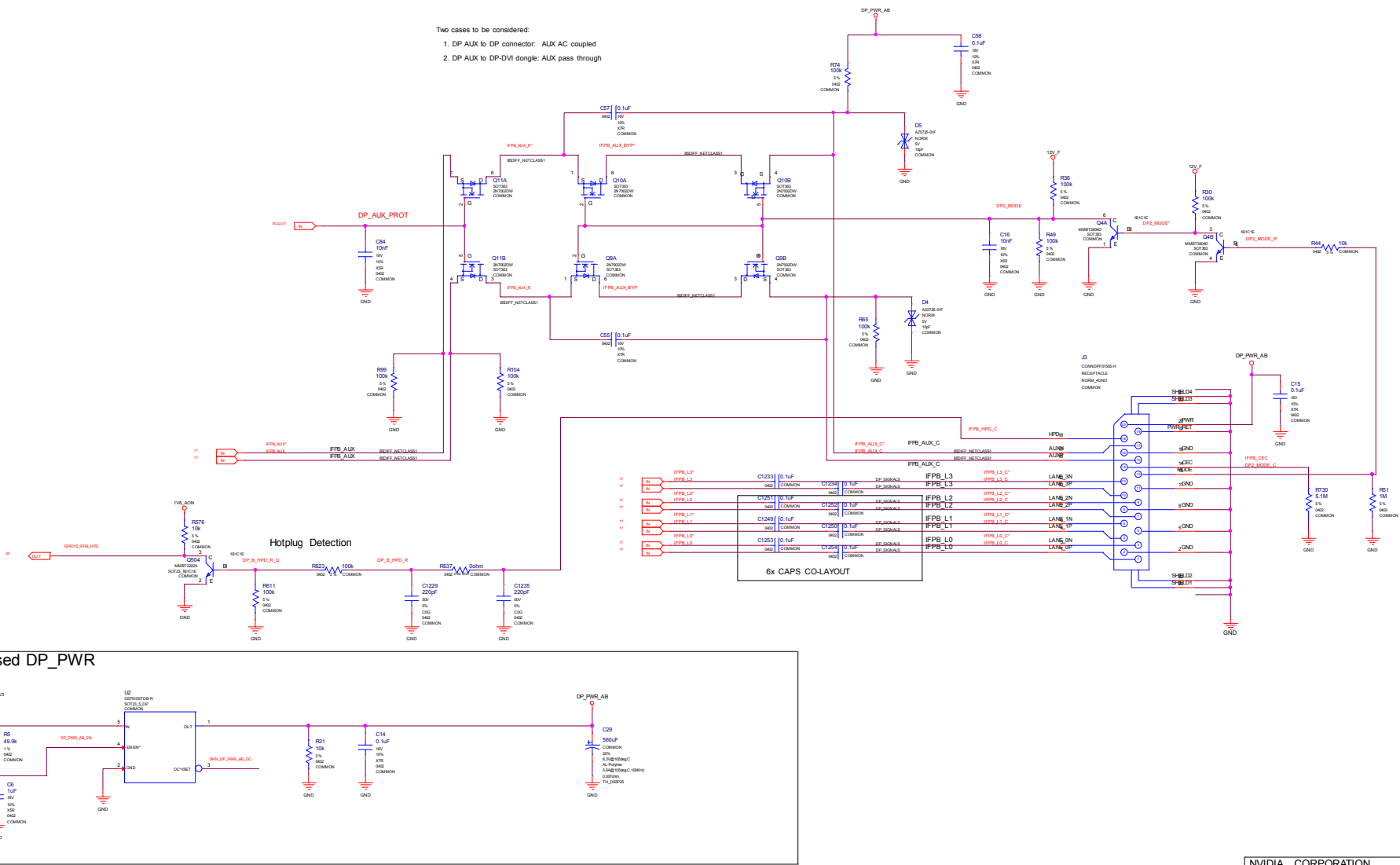


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PCB REV	PG165-ADD	PRG#	16 OF 42
BCM REV	B	DATE	14-DEC-2018

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BOM REV	B	DATE	14-DEC-2018	

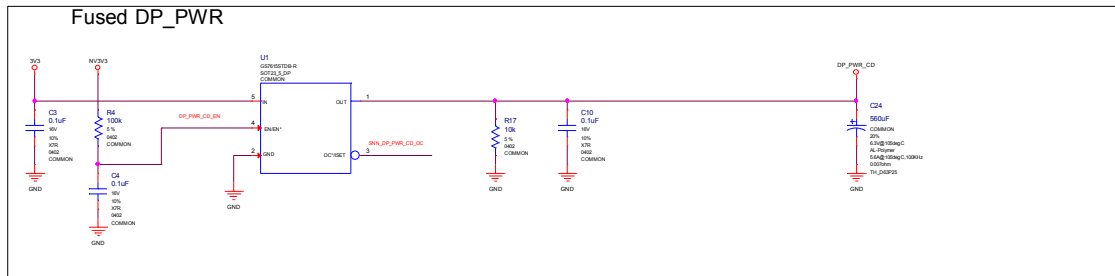
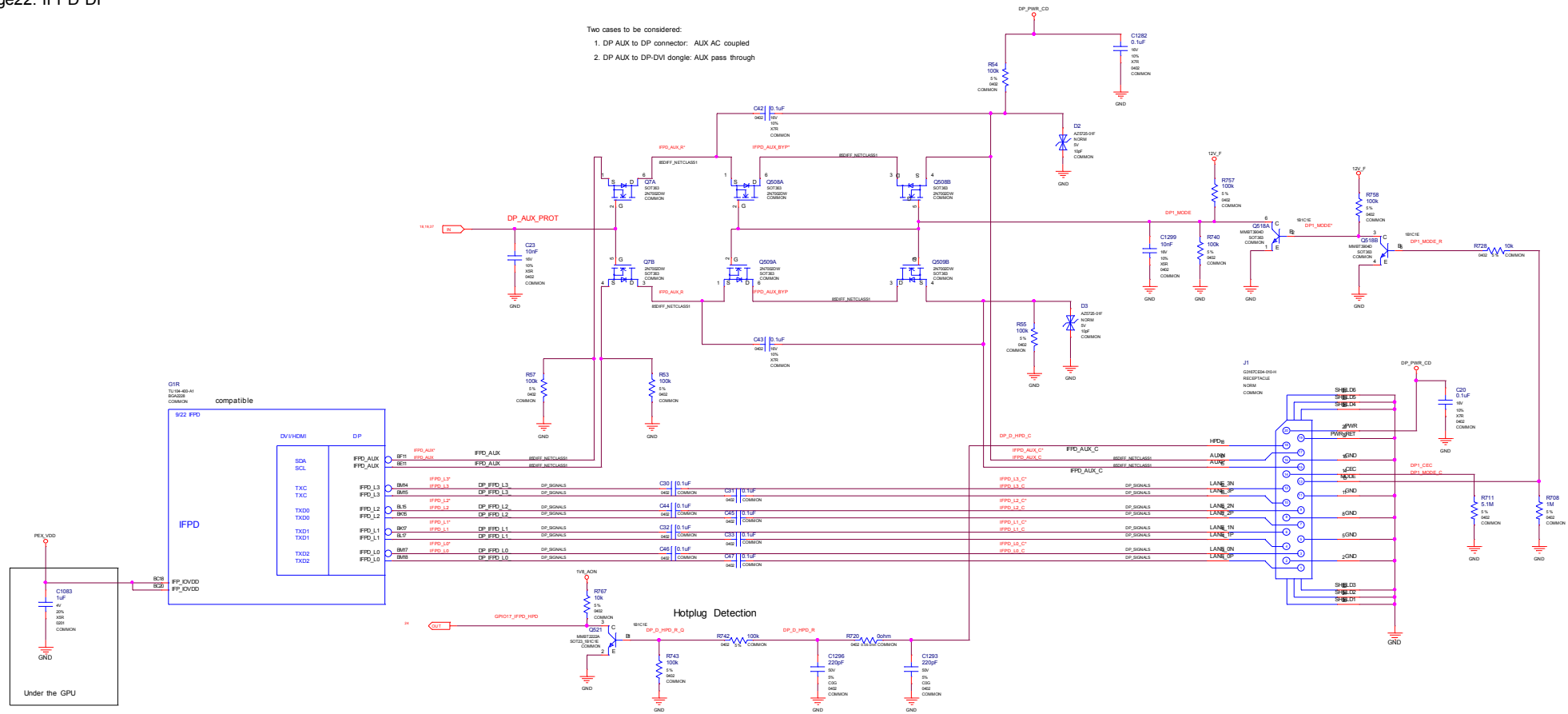




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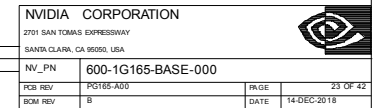
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ROM REV	B	DATE	14-DEC-2018

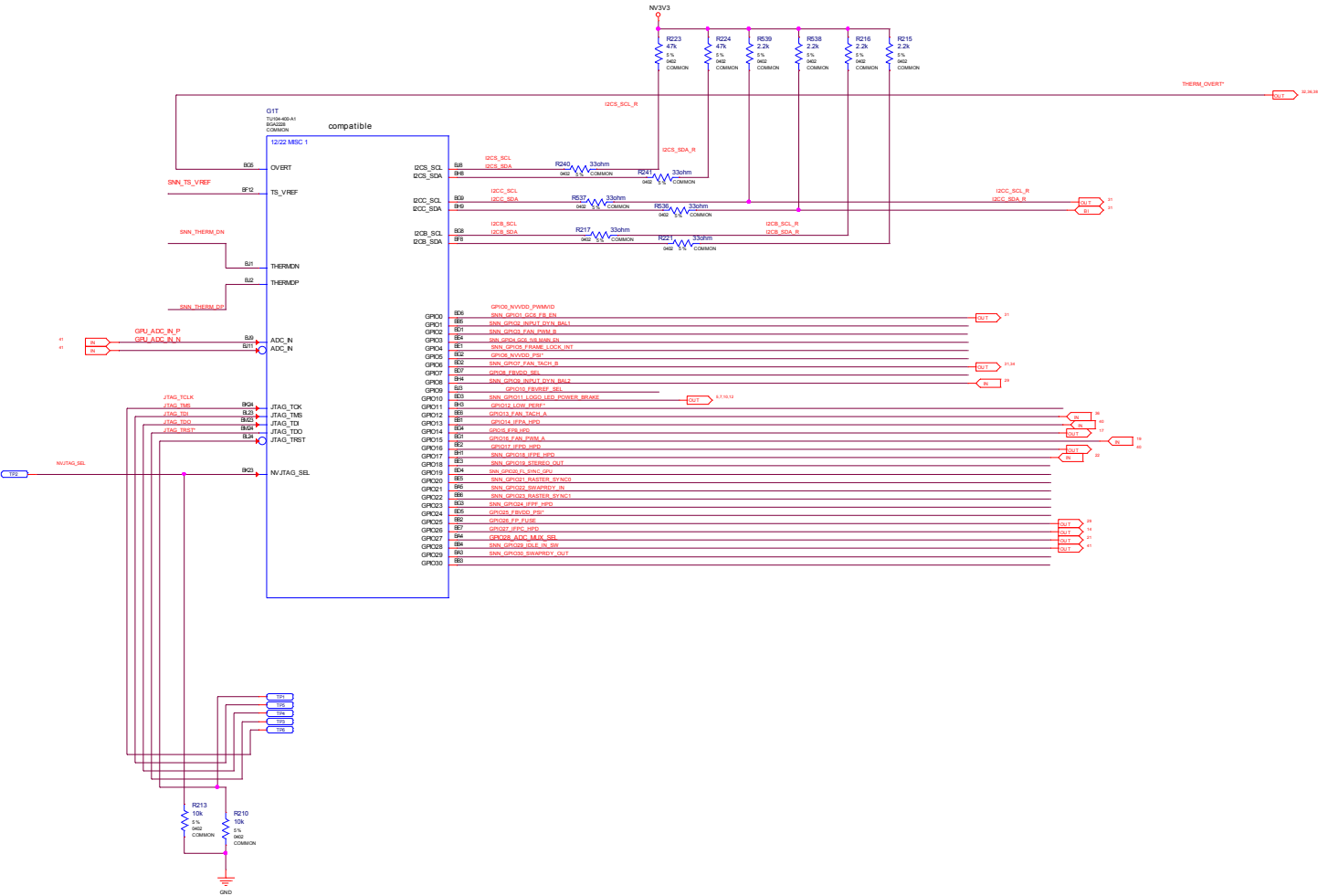
- Two cases to be considered:
1. DP AUX to DP connector: AUX AC coupled
 2. DP AUX to DP-DVI dongle: AUX pass through



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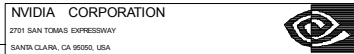


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L	L	H	0001 Micron 8Gb 256Mx32 MT51J256M32HF-80-B
L	H	L	0010 Hynix 8Gb 256Mx32 H5GC8H24JR-R2C
L	H	H	0011 Hynix 8Gb 256Mx32 H5GQ8H24MJR-R4C
H	H	L	0110
H	H	H	0111
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L	M	L	1001

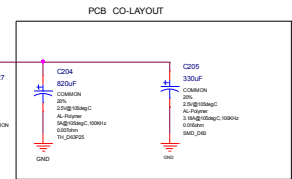
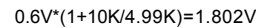
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M	L	H	1	1	0	1
M	L	L	1	1	0	0
L	H	M	1	0	1	1
L	M	H	1	0	1	0
L	M	L	1	0	0	1
L	L	M	1	0	0	0
H	H	H	0	1	1	1
H	H	L	0	1	1	0
H	L	H	0	1	0	1
H	L	L	0	1	0	0
L	H	H	0	0	1	1
L	H	L	0	0	1	0
L	L	H	0	0	0	1 DEFAULT
L	L	L	0	0	0	0

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1:PCIE_CFG LOW POWER
0:PCIE_CFG HIGH POWER

1:VGA_DEVICE ENABLE
0:VGA_DEVICE DISABLE
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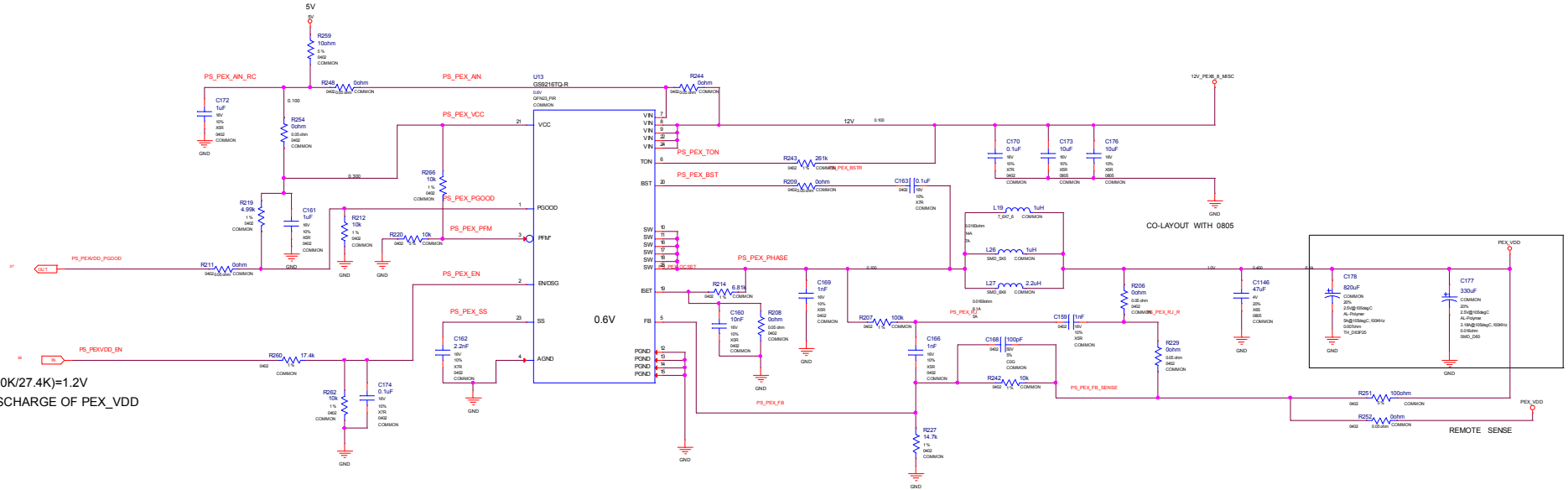
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PCB REV	PG165-A00	PAGE	25 OF 42
BOM REV	B	DATE	14-DEC-2018



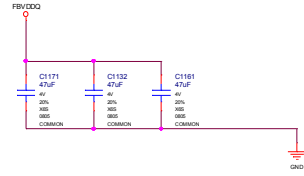
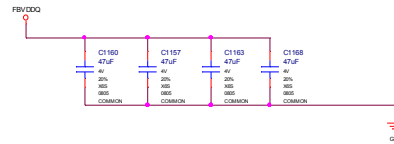
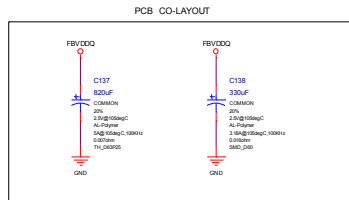
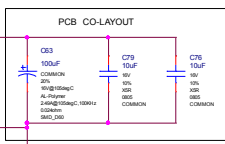
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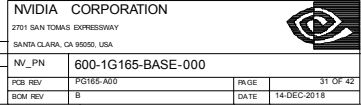


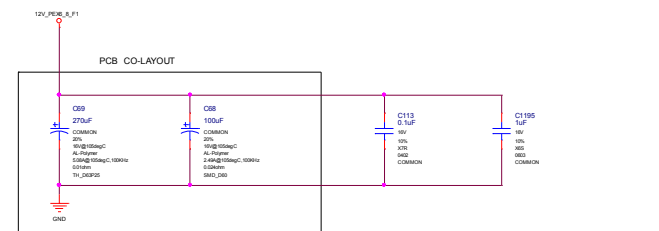
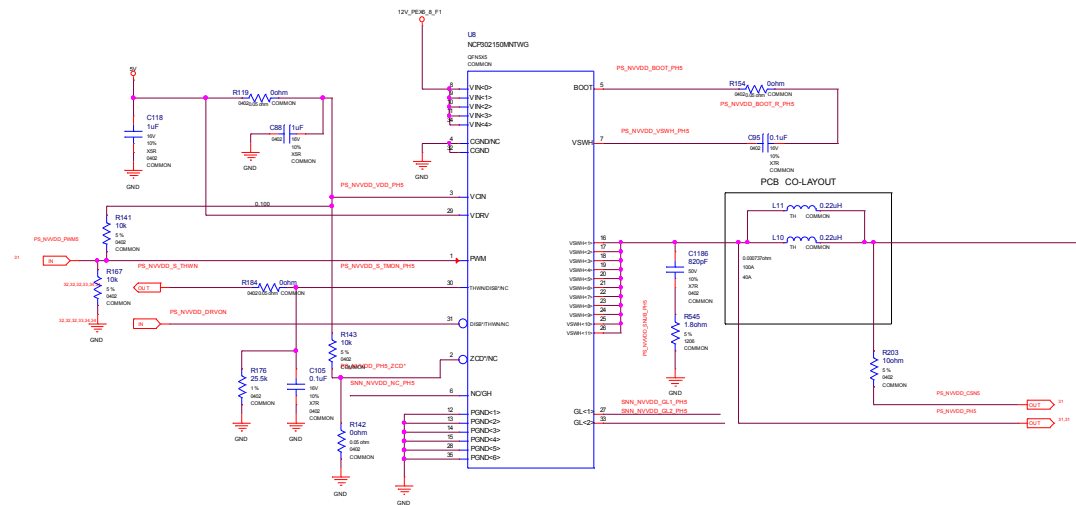
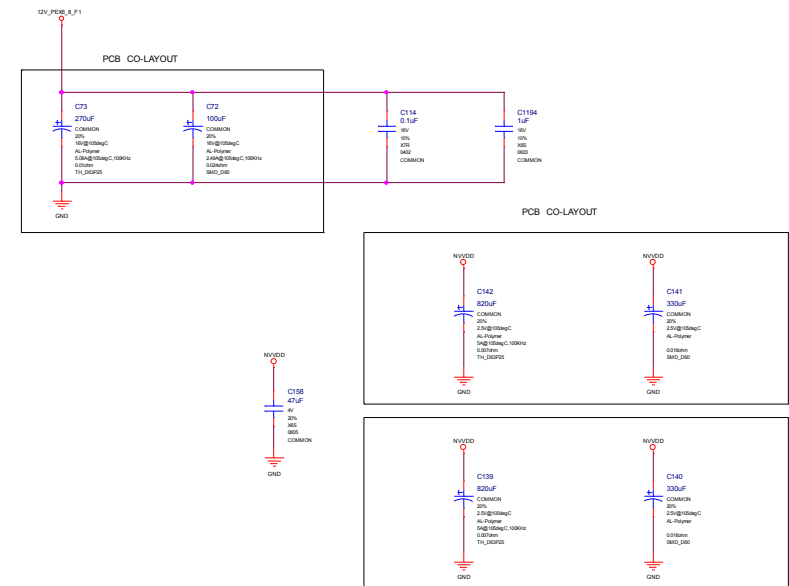
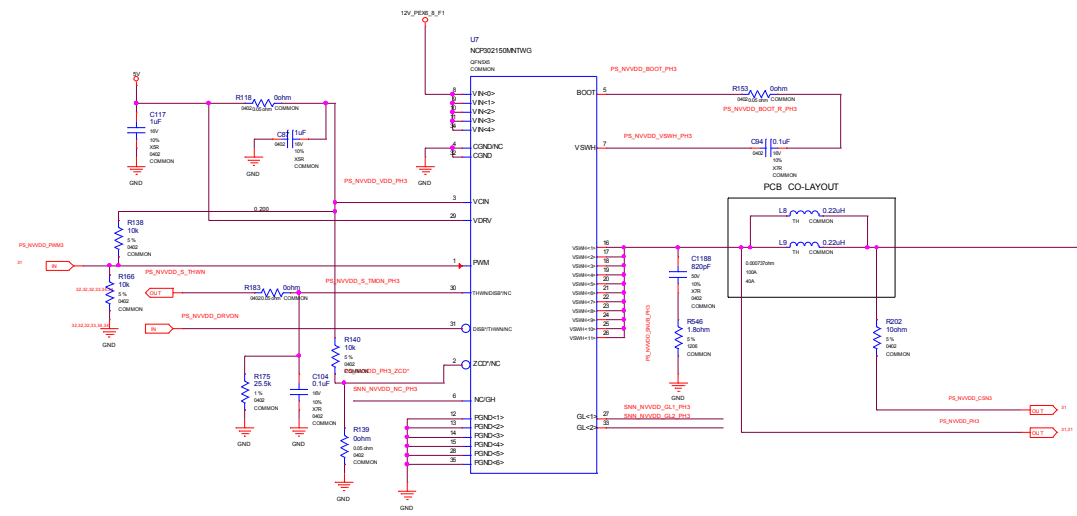
$$0.6V \cdot (1 + 10K/14.7K) = 1.008V$$


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PCB REV	PG165-A00	FRGE	2B OF 42	
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A	B	C	D	E	F	G	H
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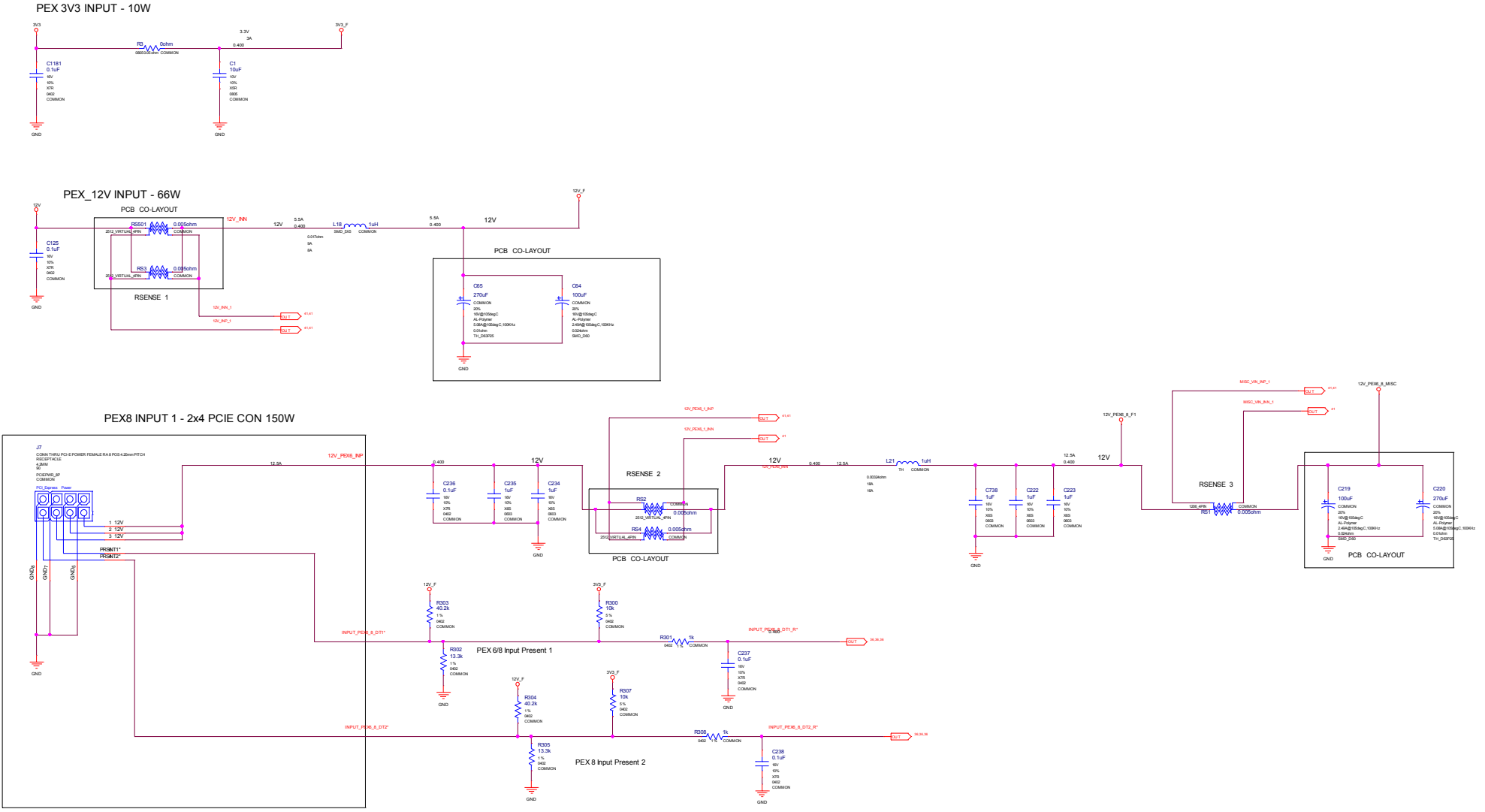




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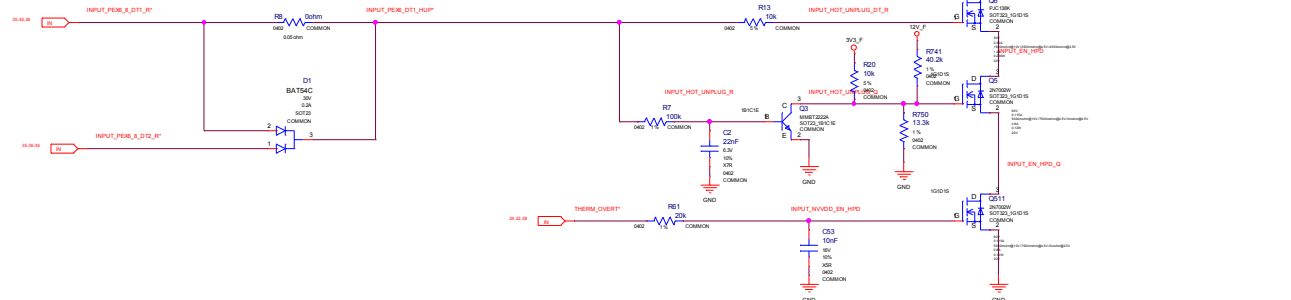
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NV_PN		600-1G165-BASE-000		
PCB REV	PG165-A00	PAGE	33 OF 42	
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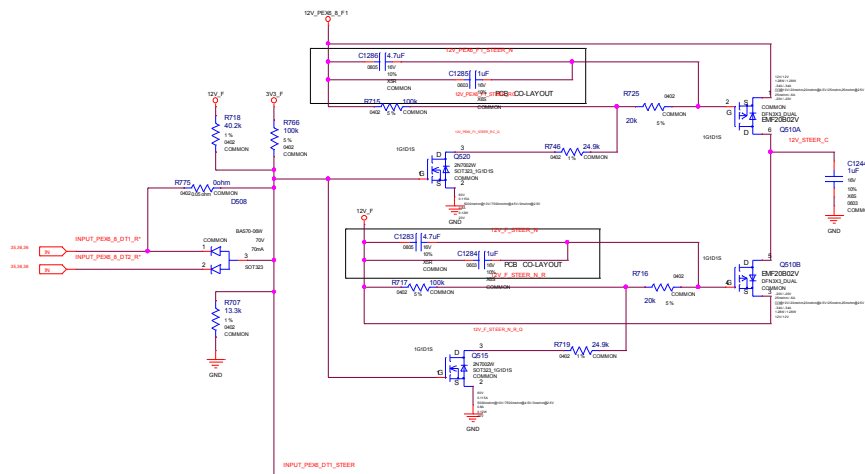
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PCB REV	PG165-ADD0	PKG	35 OF 42
BCM REV	B	DATE	14-DEC-2018

PEX Input Present 1

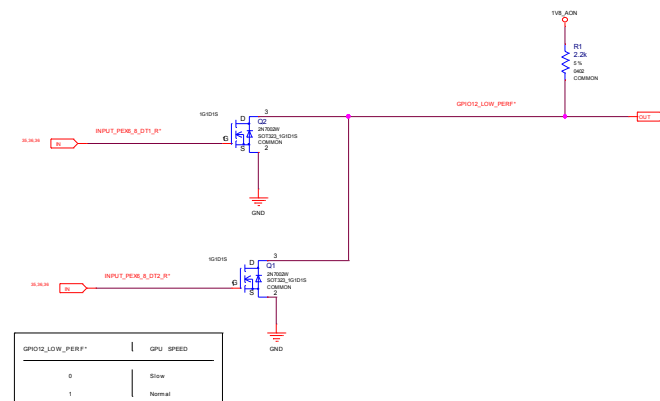


12V CURRENT STEERING (UNDER POWER BOOT):

GUIDES CURRENT FROM PEX EDGE TO PEX 6 PIN INPUT AREA



PEX Input - Power Level/PSI* Control



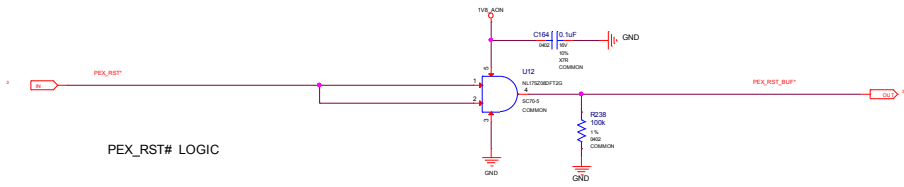
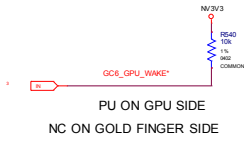
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BCM REV	8
PRG#	36 OF 42
DATE	14-DEC-2018





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BOX REV	B	DATE	14-DEC-2018



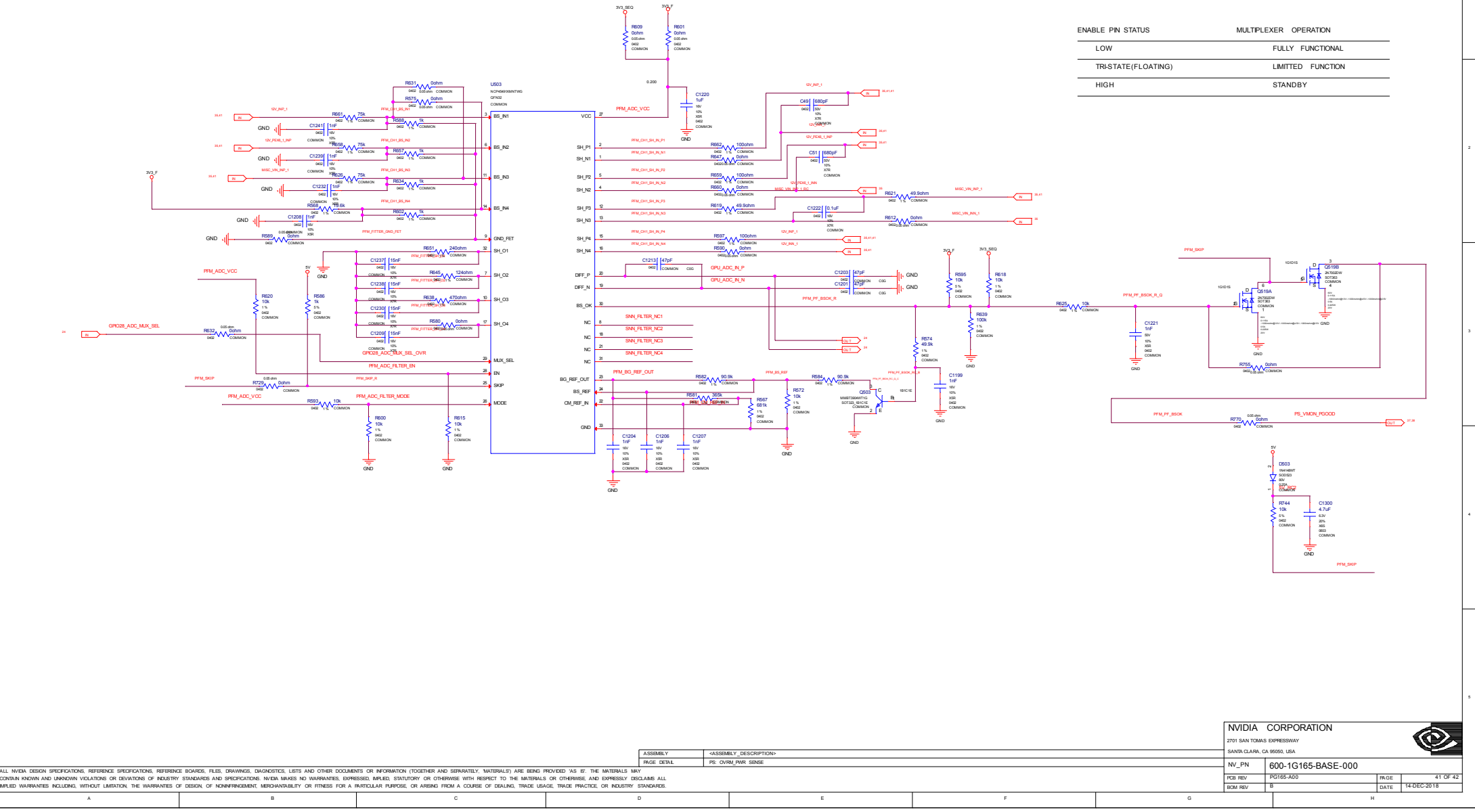
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ROM REV	B	DATE	14-DEC-2018



DATE	14-DEC-2018
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H



MODE	PN STATUS	MULTIPLEXER	OPERATION
LOW		DEVICE A	
TRI-STATE(FLOATING)		STAND-ALONE	
HIGH		DEVICE B	

ENABLE	PN STATUS	MULTIPLEXER	OPERATION
LOW		FULLY FUNCTIONAL	
TRI-STATE(FLOATING)		LIMITED FUNCTION	
HIGH		STANDBY	

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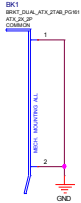
PG165

41 OF 42

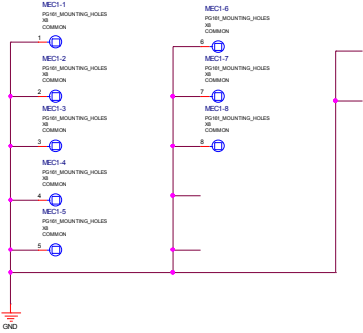
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Bracket:



MOUNTING HOLES FOR HS:



BACK STIFFENER:



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ROM REV	B	DATE	14-DEC-2018