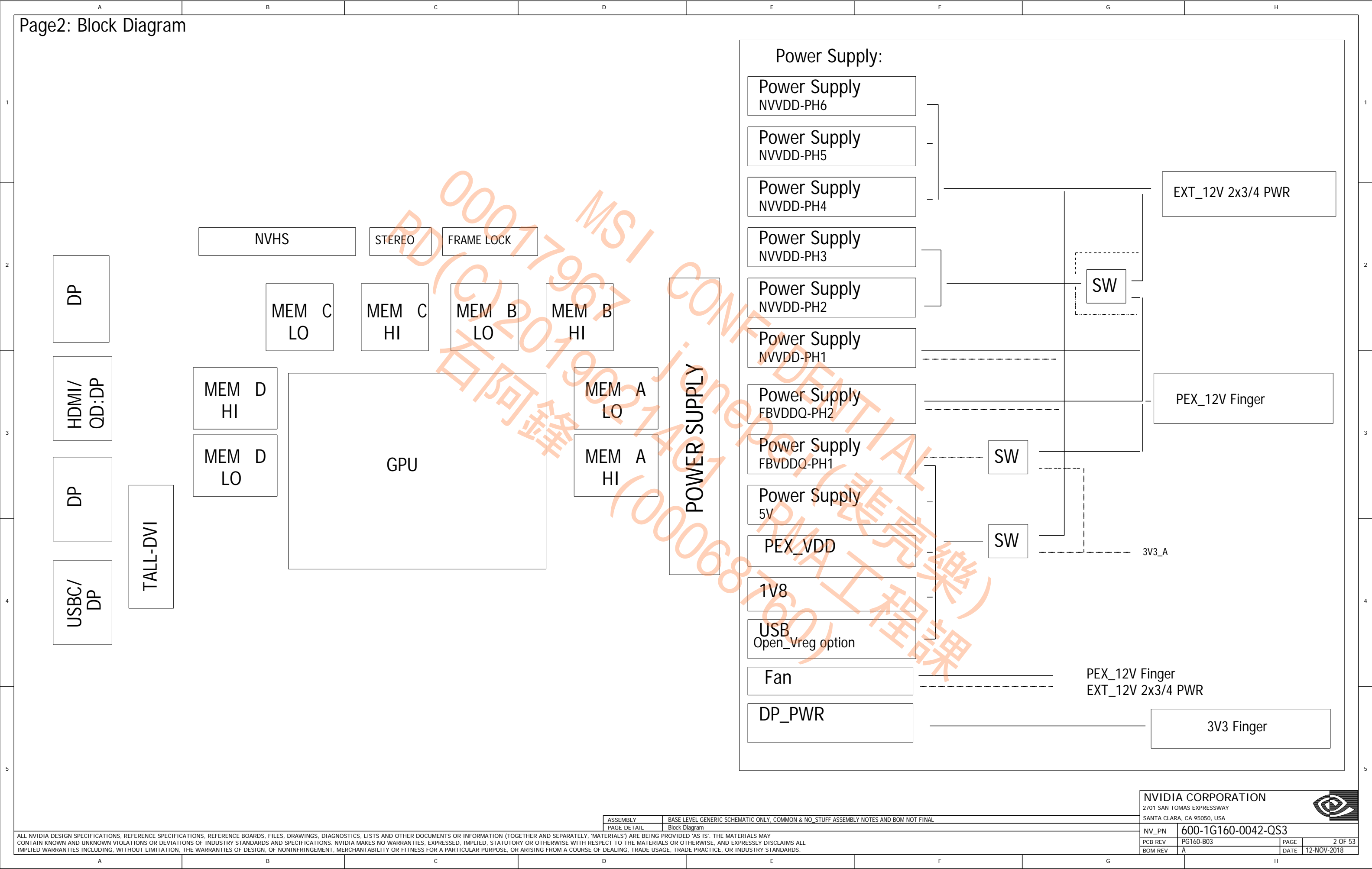


TU106 6GB GDDR6, 192b, X16
Tall DVI-D + DP + HDMI

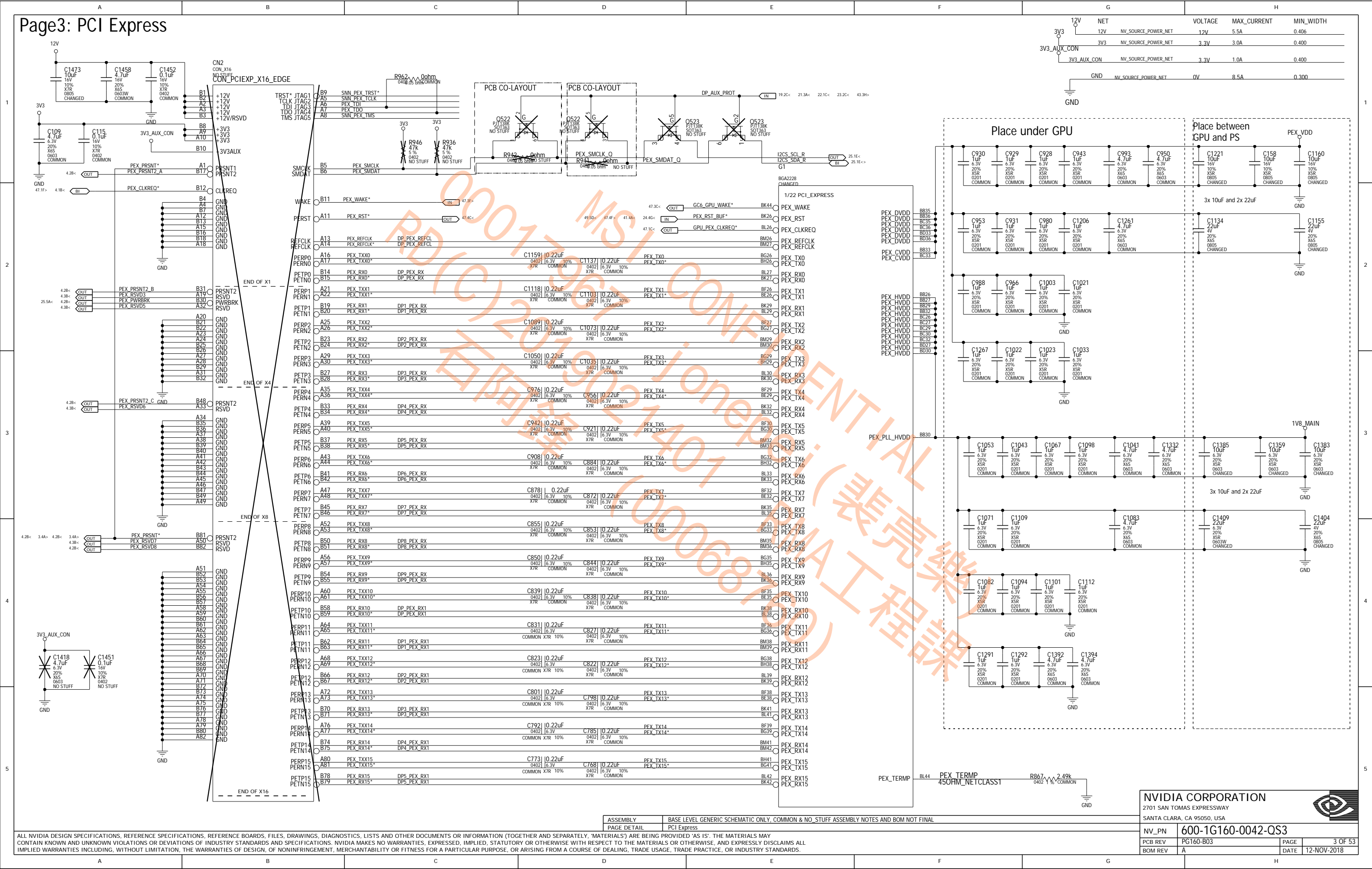
Page	Description
1	Table of Contents
2	Block Diagram
3	PCI Express
4	PCIE RC TERM
5	MEMORY: GPU FB_AB
6	MEMORY: FBA[31:0]
7	MEMORY: FBA[63:32]
8	MEMORY: FBB[31:0]
9	MEMORY: FBB[63:32]
10	MEMORY: GPU FB_CD
11	MEMORY: FBC[31:0]
12	MEMORY: FBC[63:32]
13	MEMORY: FBD[31:0]
14	MEMORY: FBD[63:32]
15	GPU PWR & GND
16	GPU Decoupling
17	GPU Decoupling2
18	IO: IFPAB DVI-D-DL
19	IO: IFPE DP
20	IO: IFPF USBC
21	IO: IFPF DP
22	IO: IFPC HDMI/DP
23	IO: IFPD DP
24	IO: NVHS Interface and Frame Lock
25	MISC1: Thermal, JTAG, GPIO,STEREO

Page	Description
26	MISC2: ROM, XTAL,STRAPS
27	PS: 1V8_PLL, 1V8_AON
28	PS: 5V
29	PS: PEXVDD
30	PS: FBVDDQ
31	PS: FBVDDQ PH2
32	PS: NVVDD Controller
33	PS: NVVDD Controller OVR3i
34	PS: NVVDD Phase 1,2
35	PS: NVVDD Phase 3,4
36	PS: NVVDD Phase 5,6
37	PS: Input Power Balancing Switcher
38	PS: Input, Filtering, and Monitoring
39	PS: STEERING, UPB & HOT-UNPLUG
40	PS: Type-C BuckBoost
41	PD PPC
42	PS: 12V & 3V3_A SWITCHER
43	SEQ: 5V, 1V8, NV3V3 ENABLE
44	SEQ: NV, PEX, FB ENABLE
45	SEQ: VOLTAGE MONITOR
46	SEQ: DISCHARGE
47	SEQ: MISC
48	LOGO LED
49	LED DRIVER & BOOST
50	DUAL FAN

Page	Description
51	PS: Pre-filter
52	MECH
53	PTC



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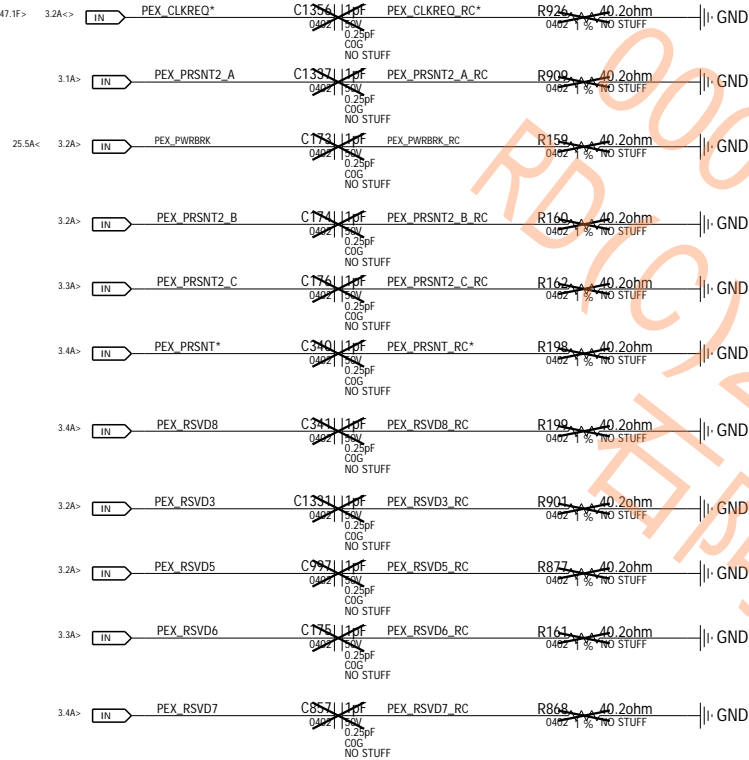


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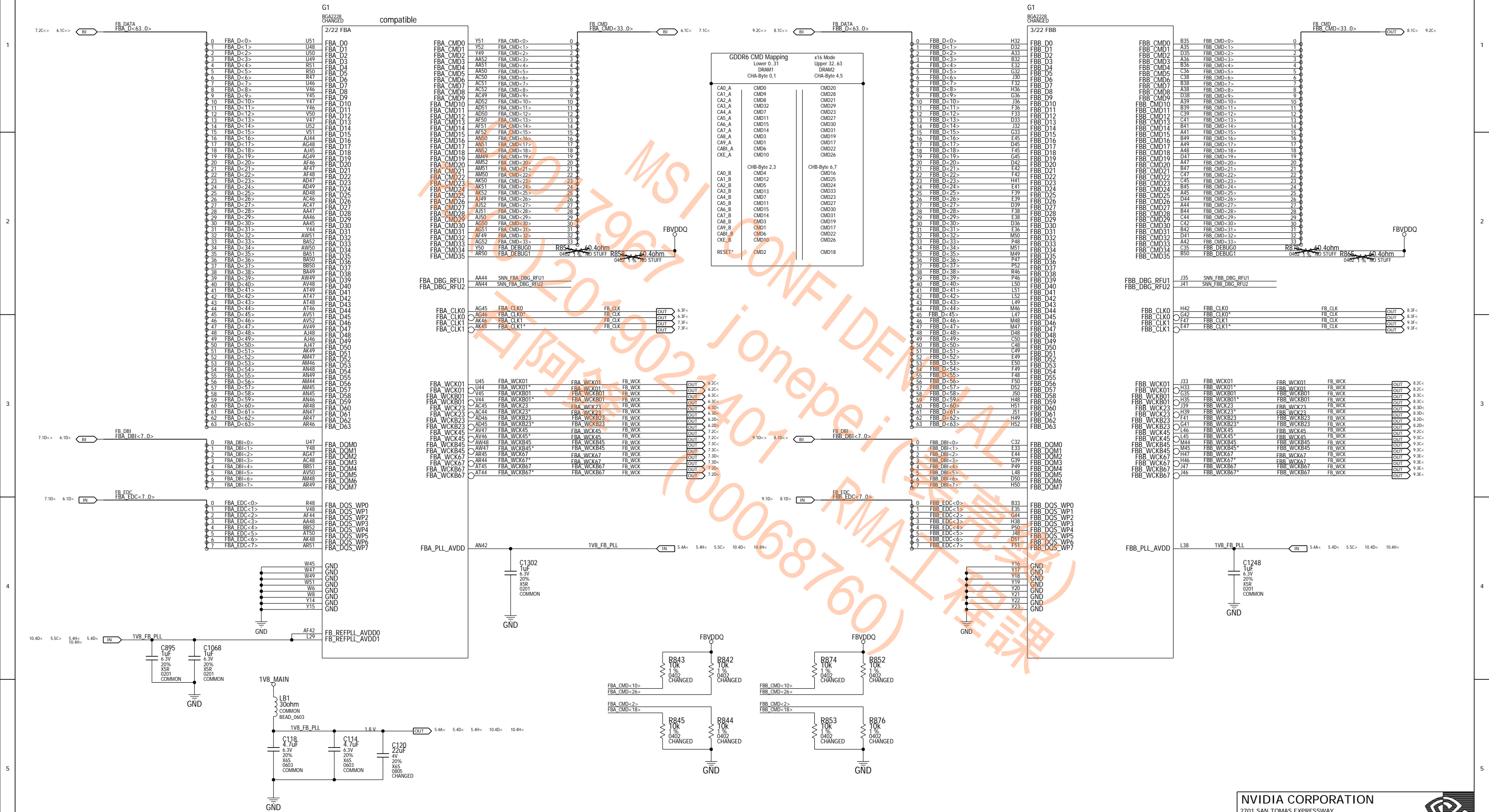
PCB REV	PG160-B03	PAGE	3 OF 53
BOM REV	A	DATE	12-NOV-2018

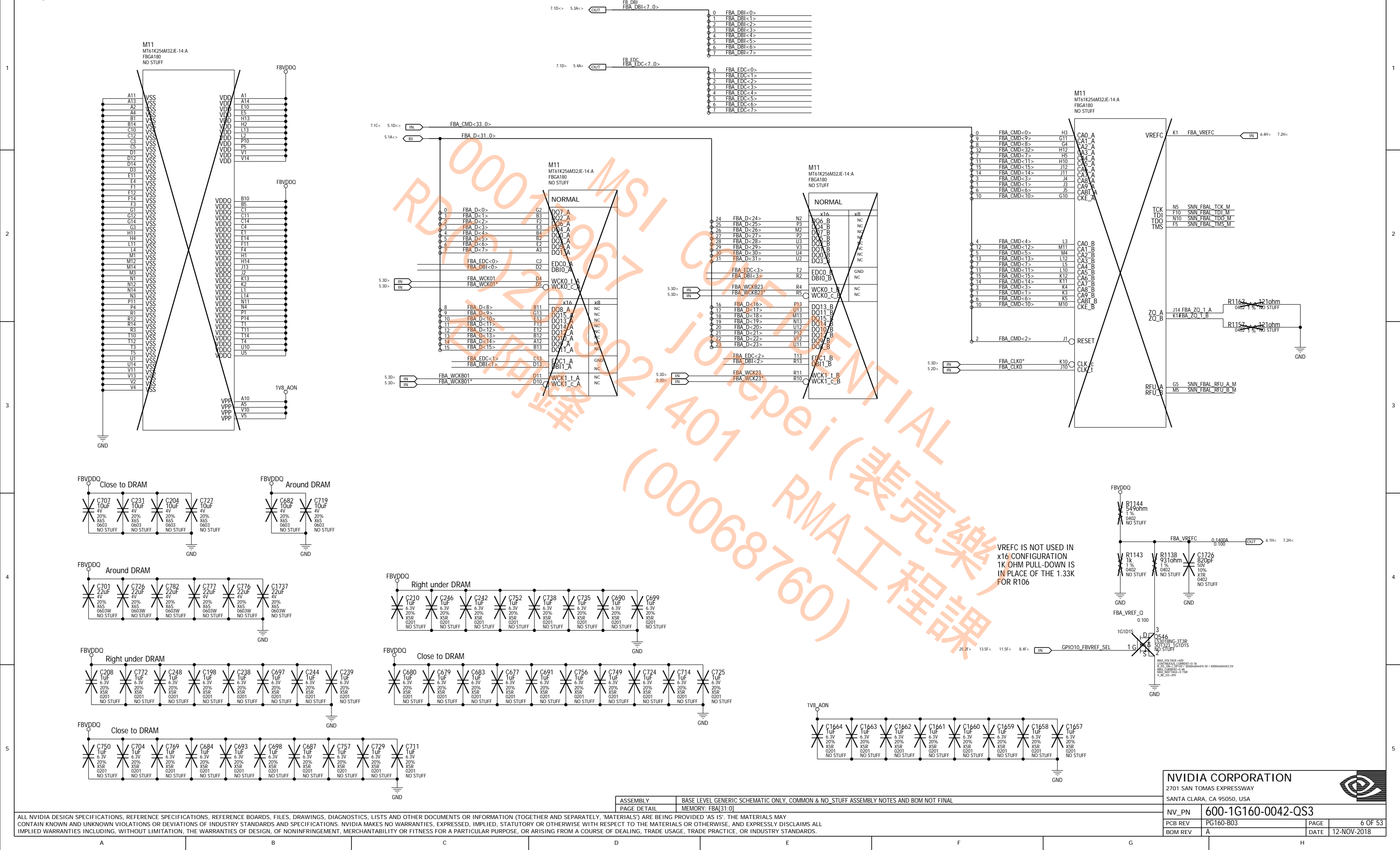
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PAGE DETAIL	PCI Express

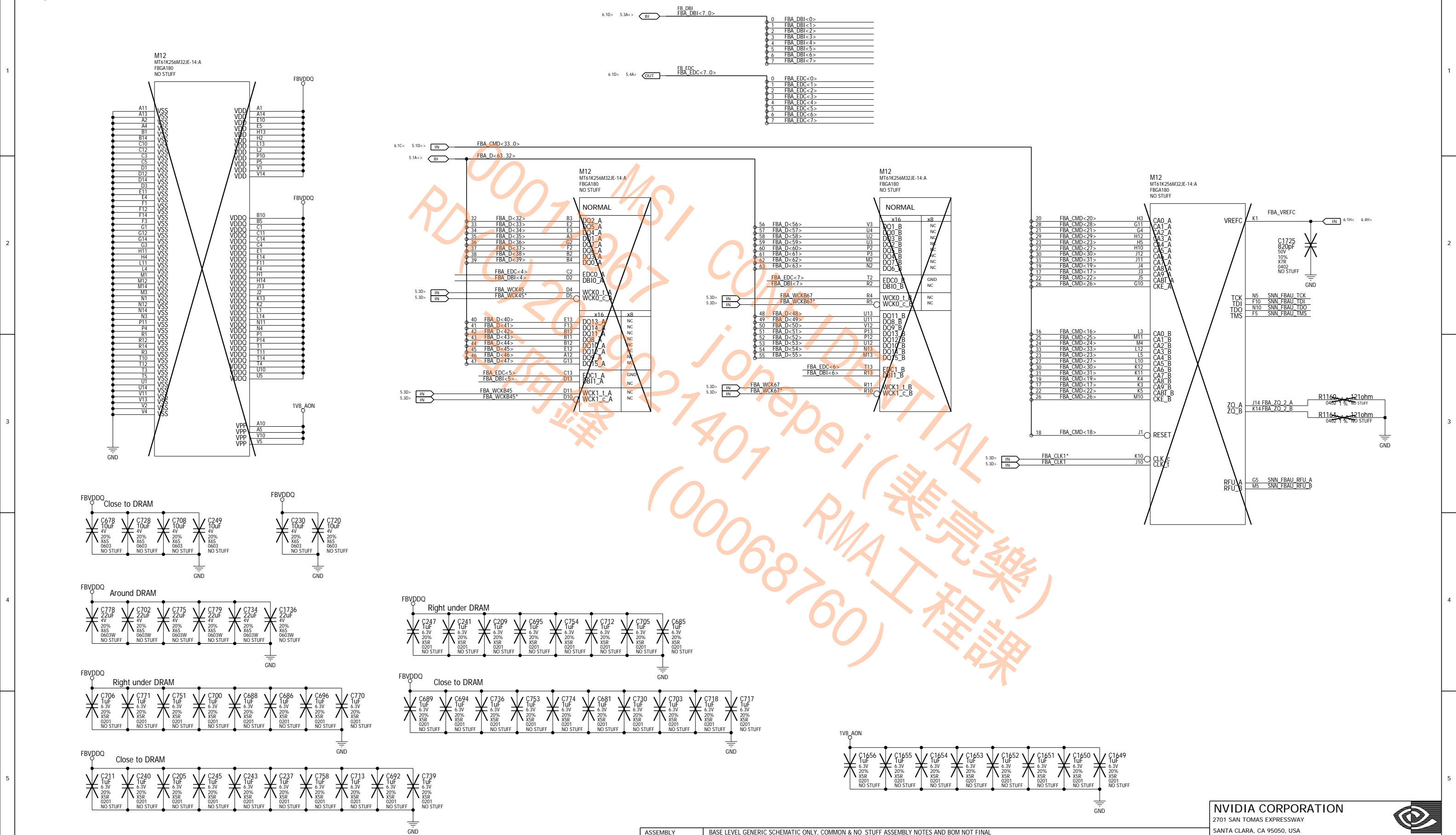


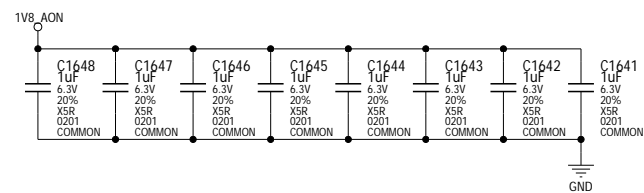
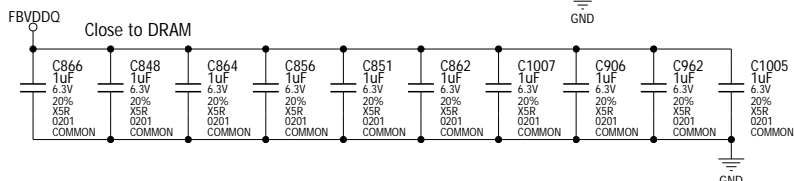
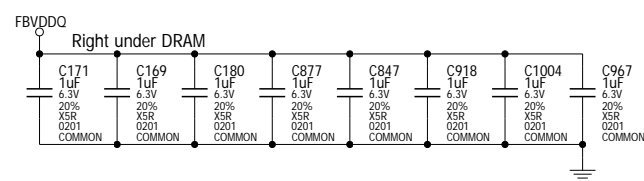
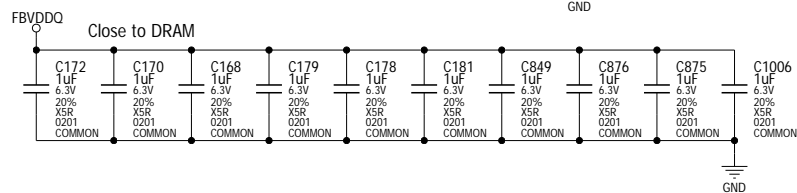
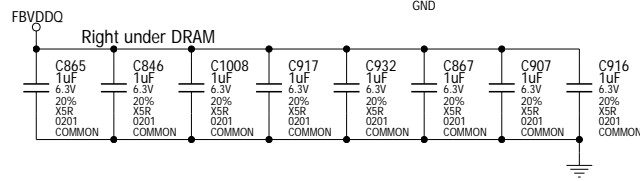
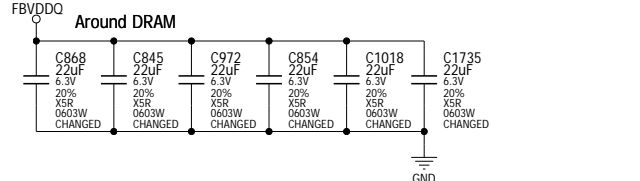
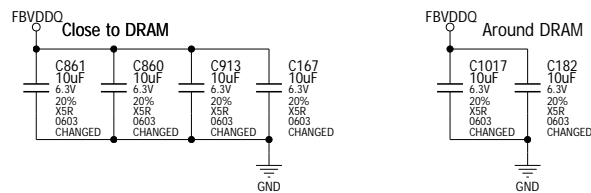
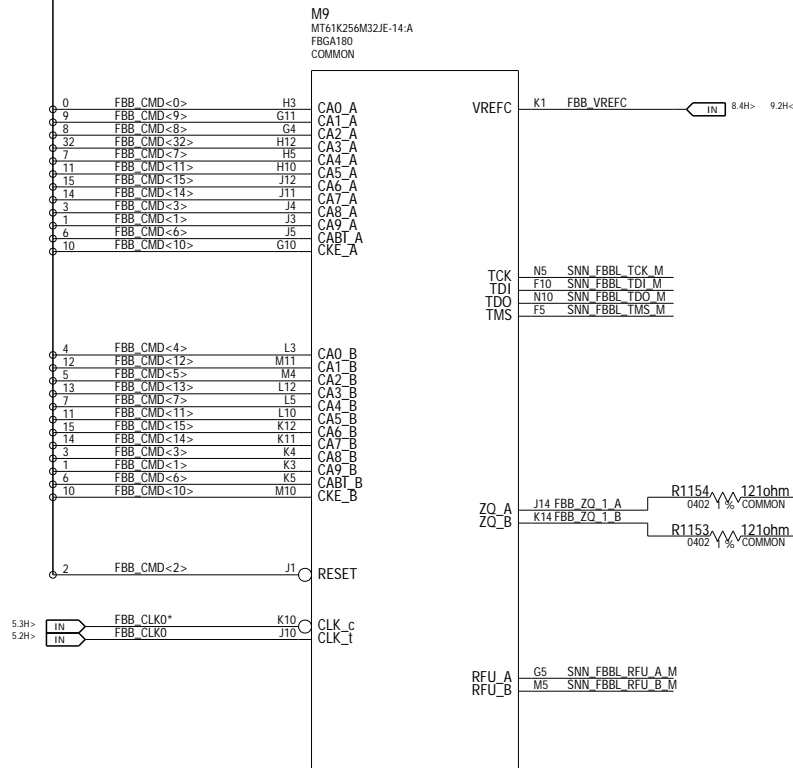
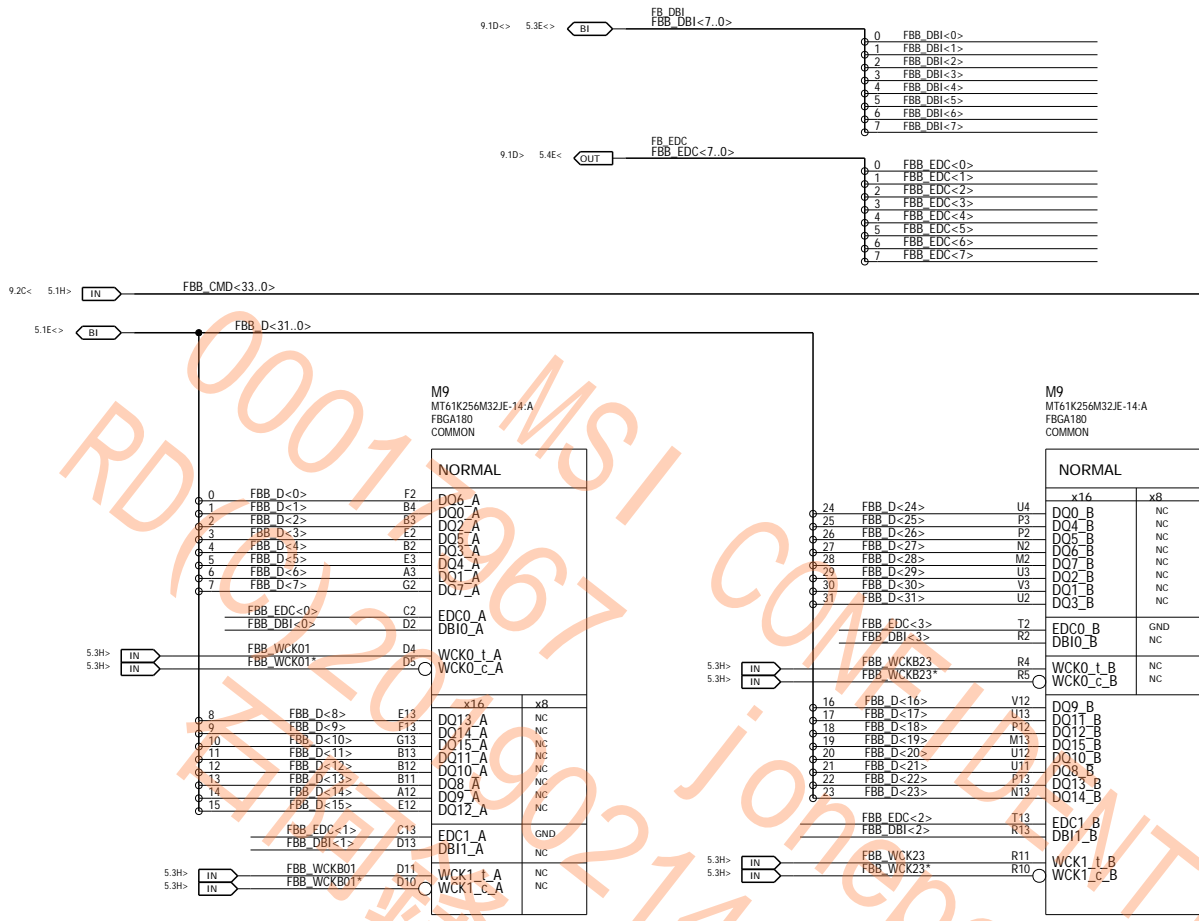
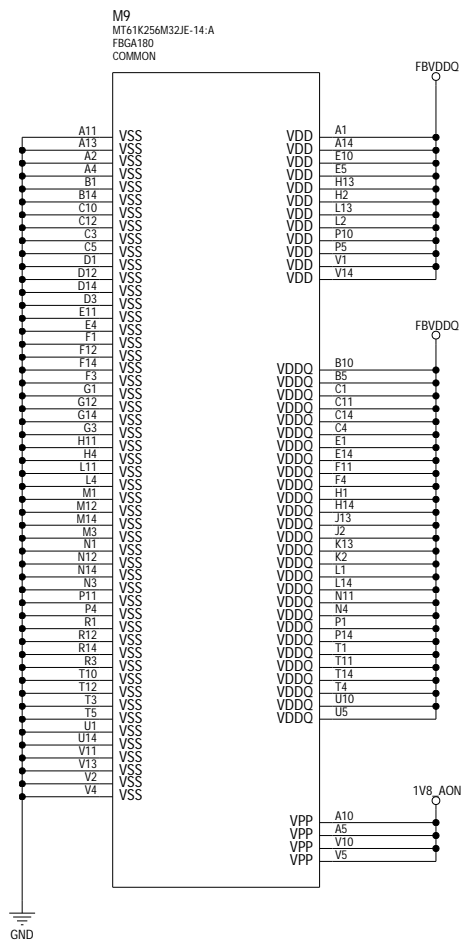
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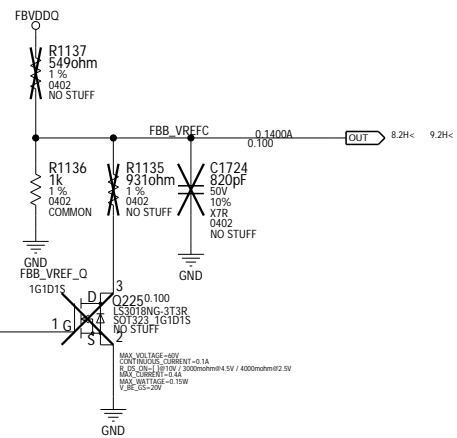


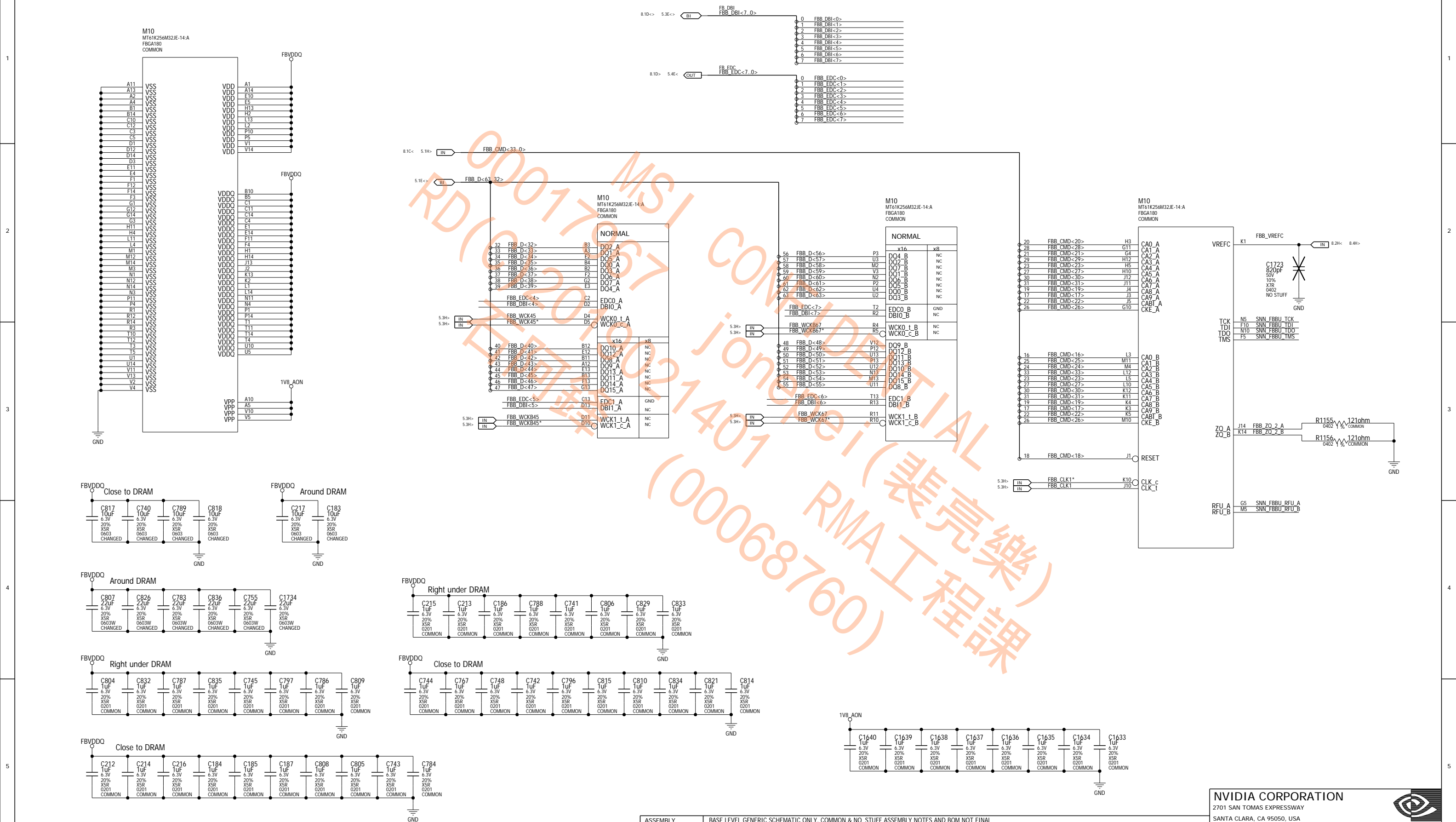
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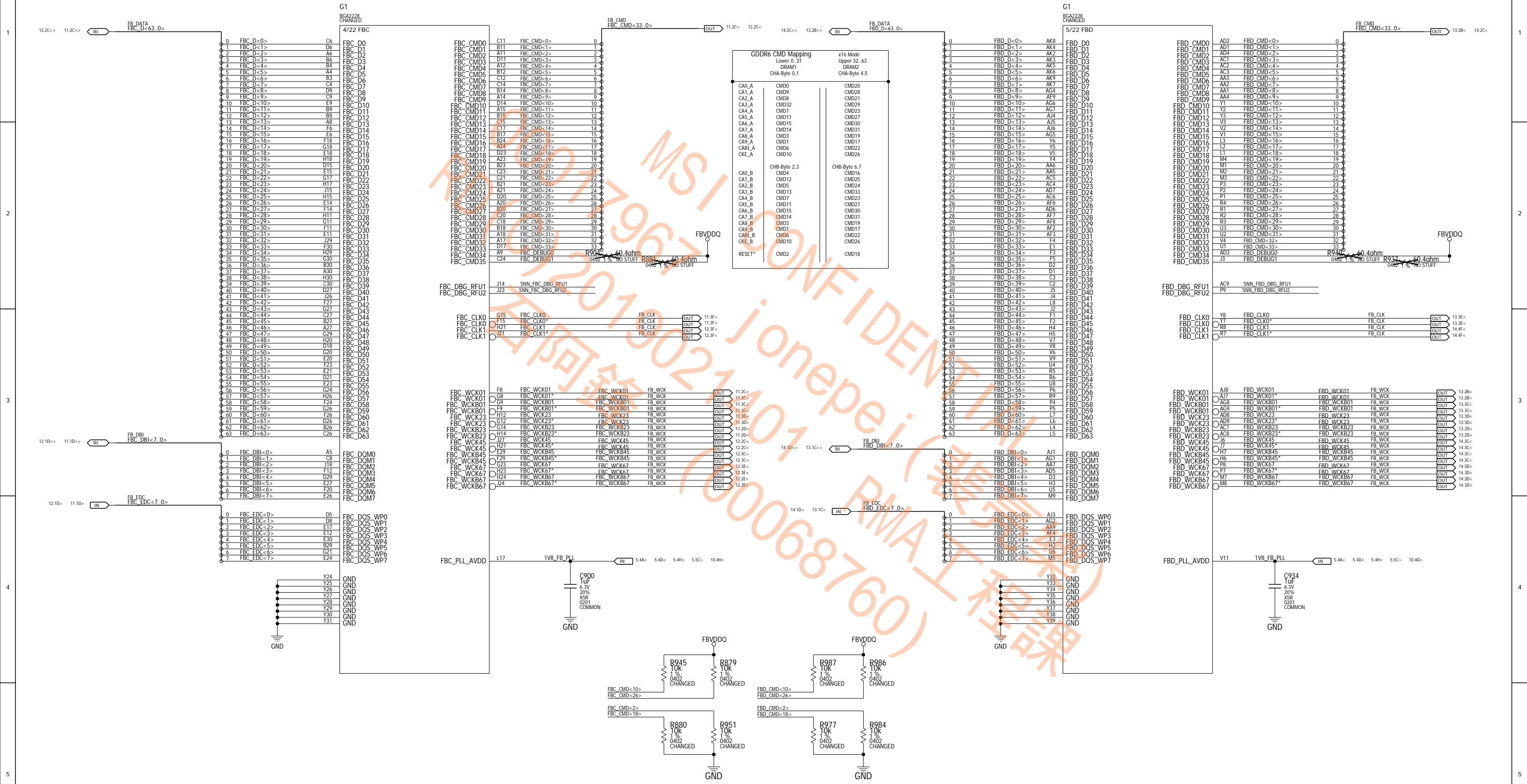




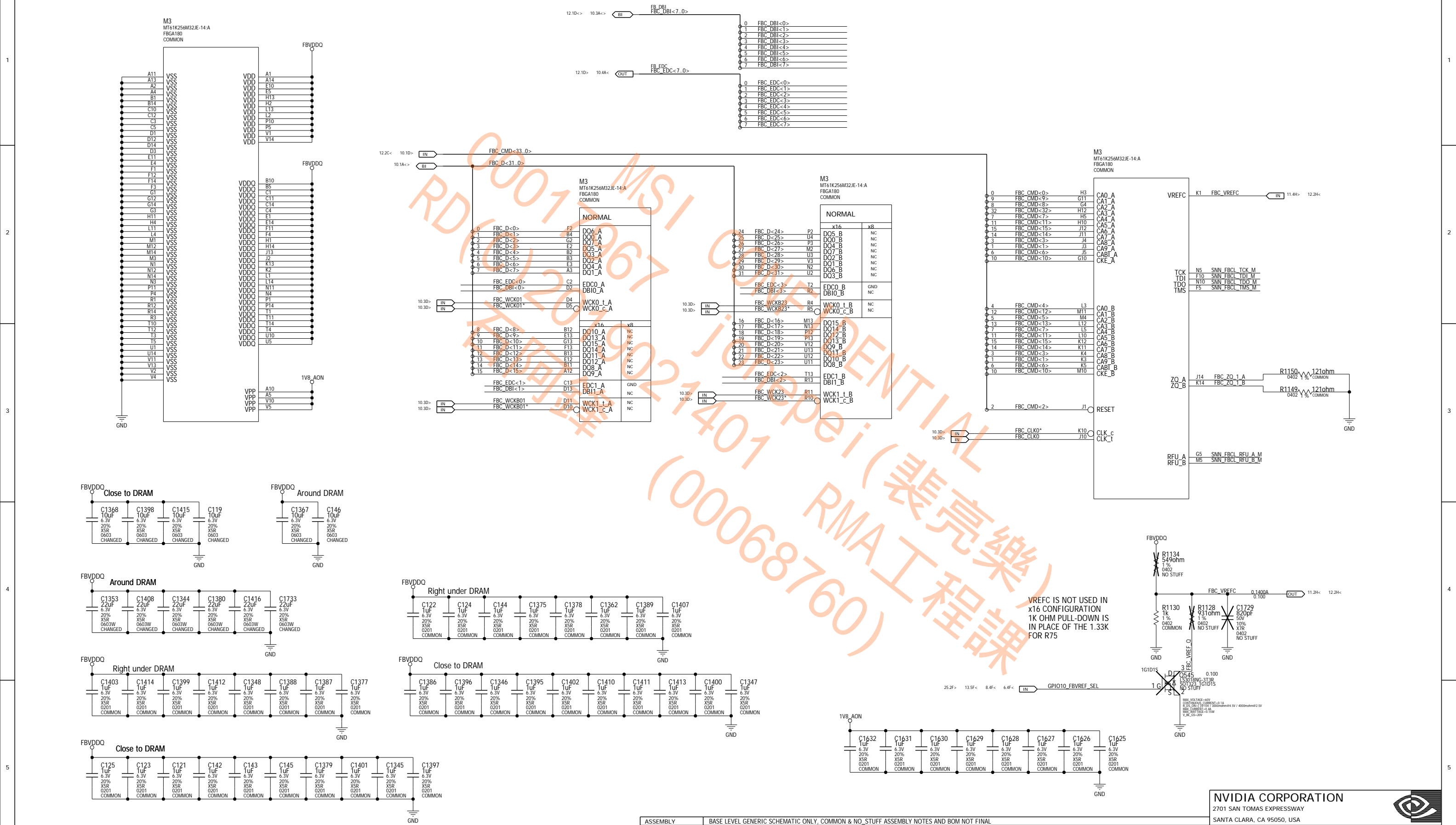
VREFC IS NOT USED IN
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1K OHM PULL-DOWN IS
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FOR R104



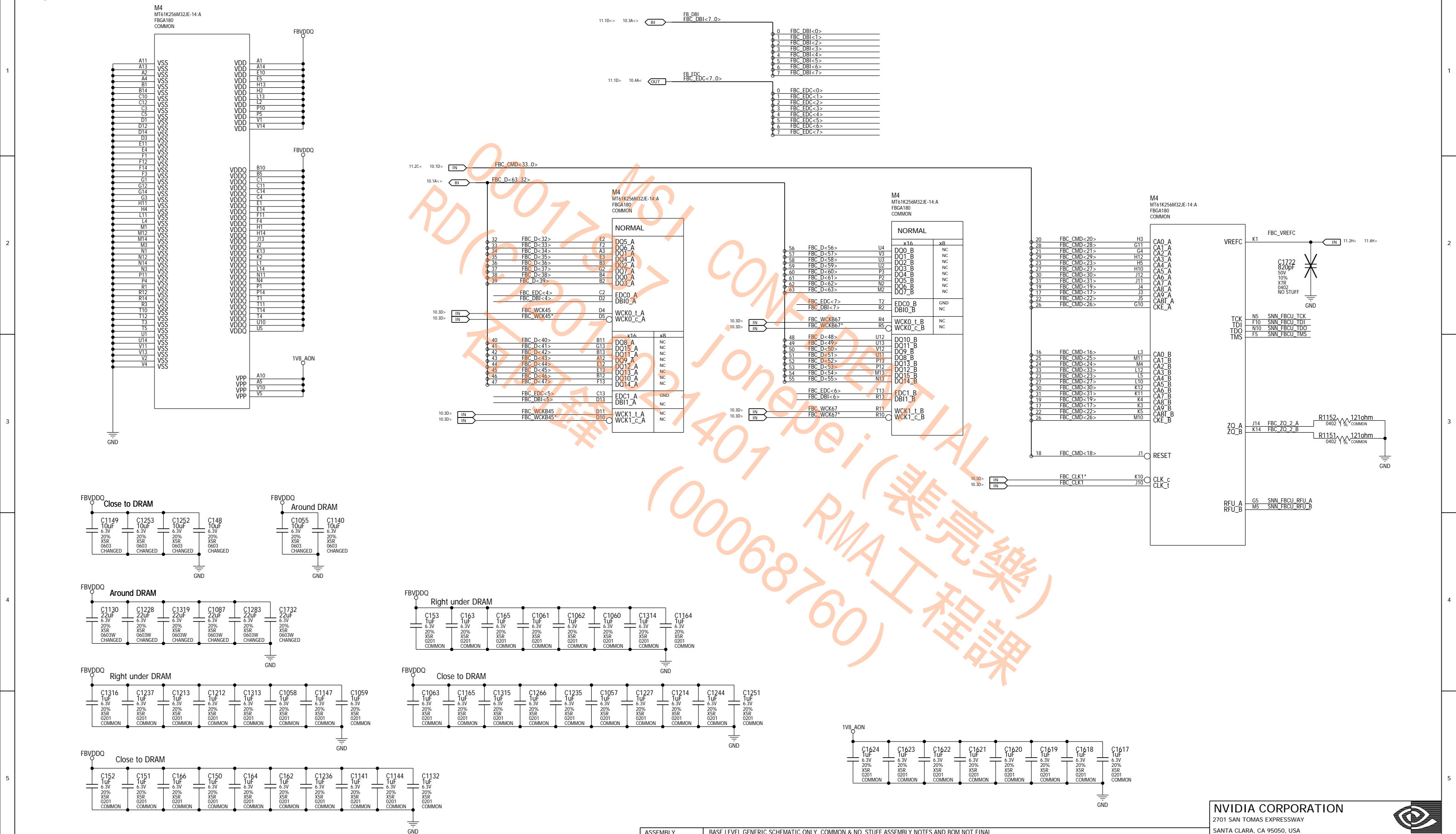




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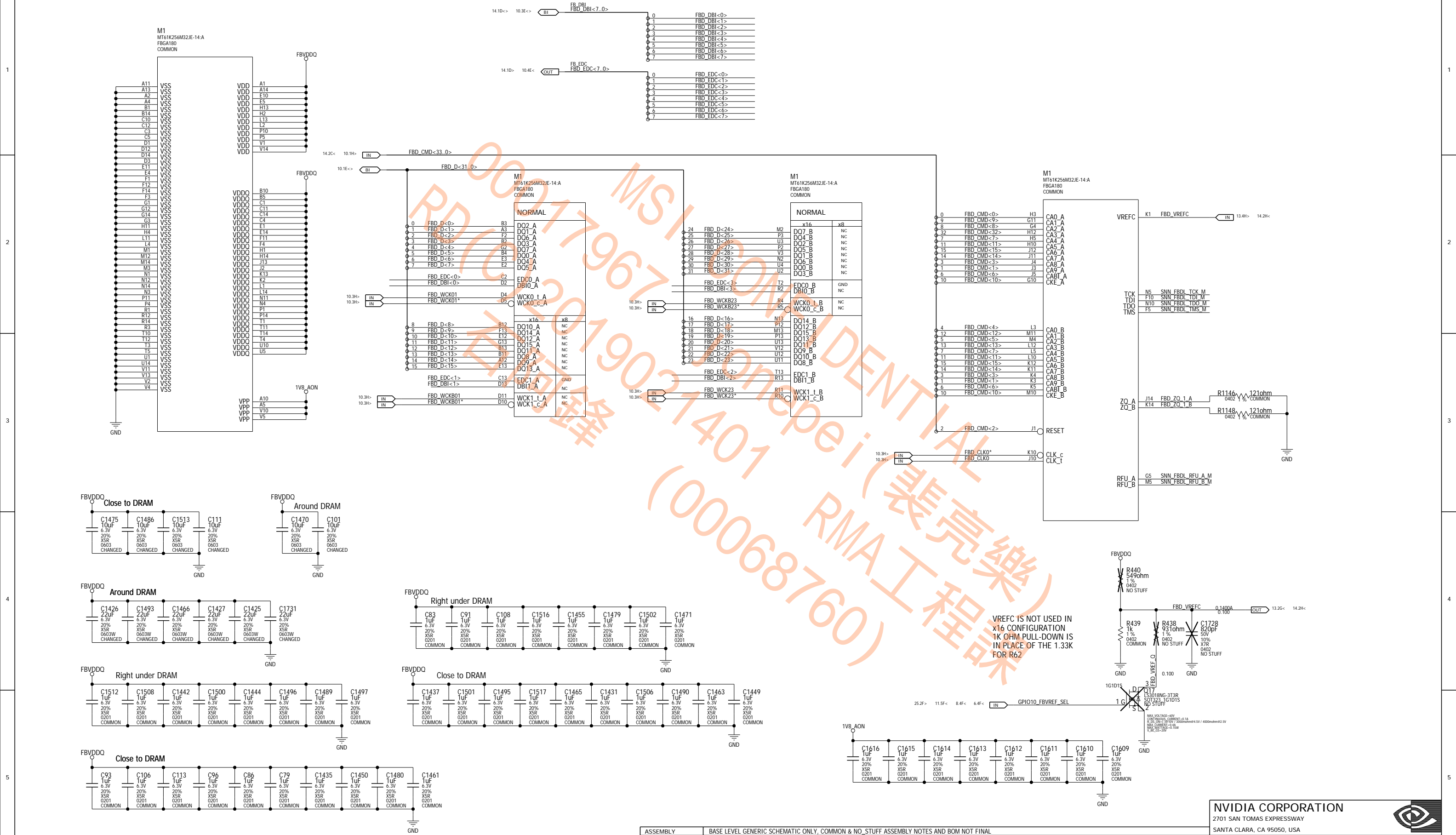
Page12: MEMORY: FBC Partition 63..32



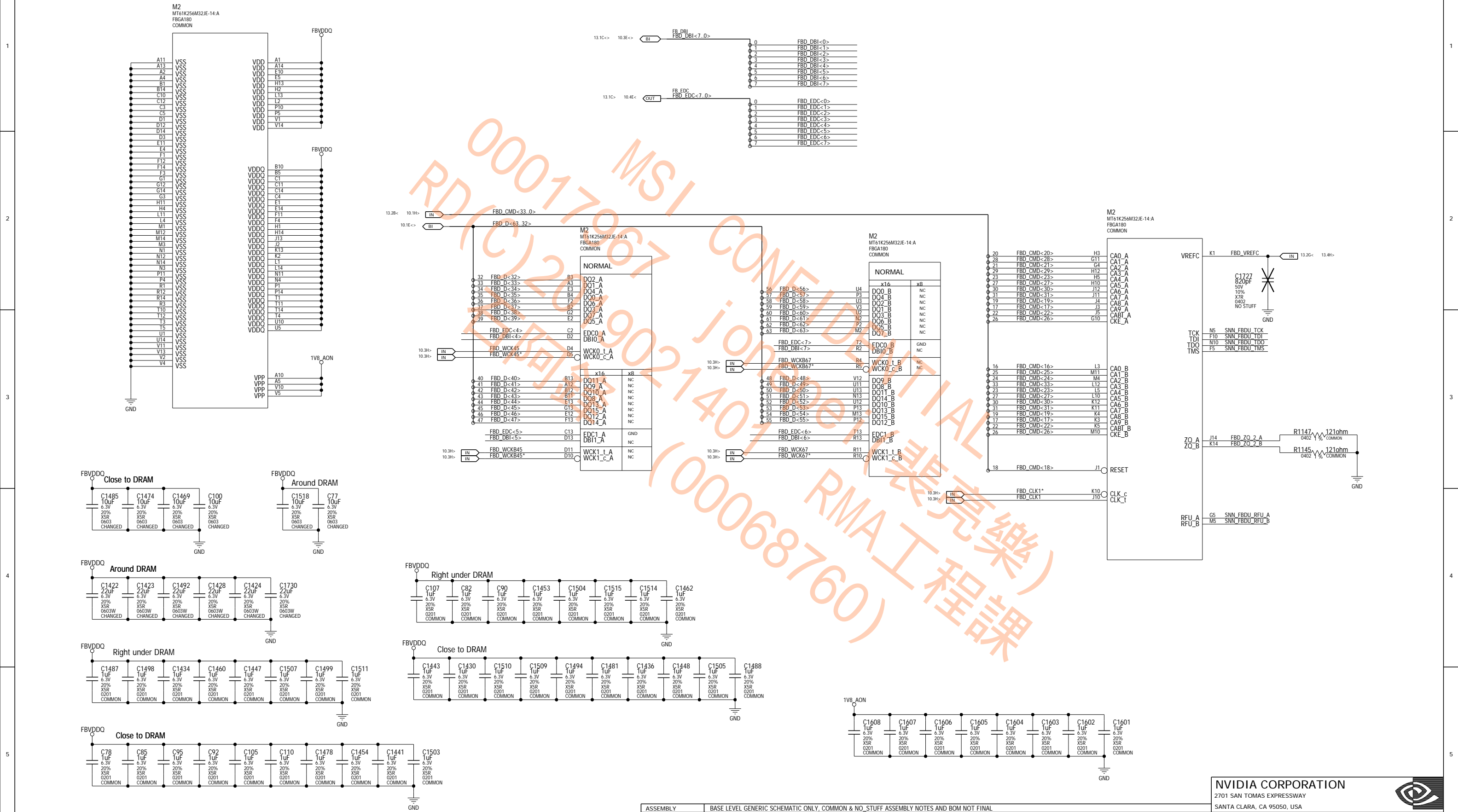
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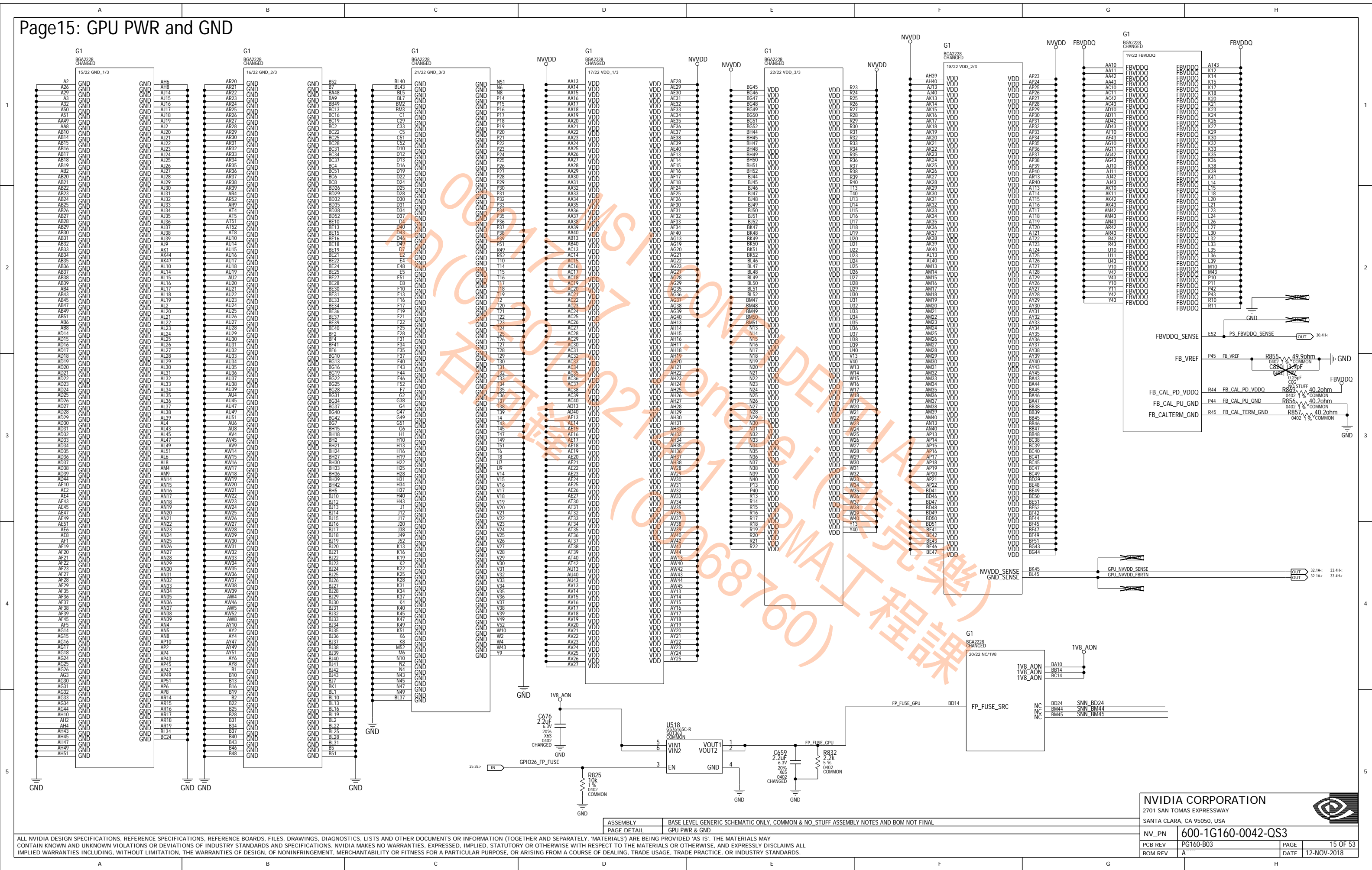
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PCB REV	PG160-B03	PAGE	12 OF 53
BOM REV	A	DATE	12-NOV-2018



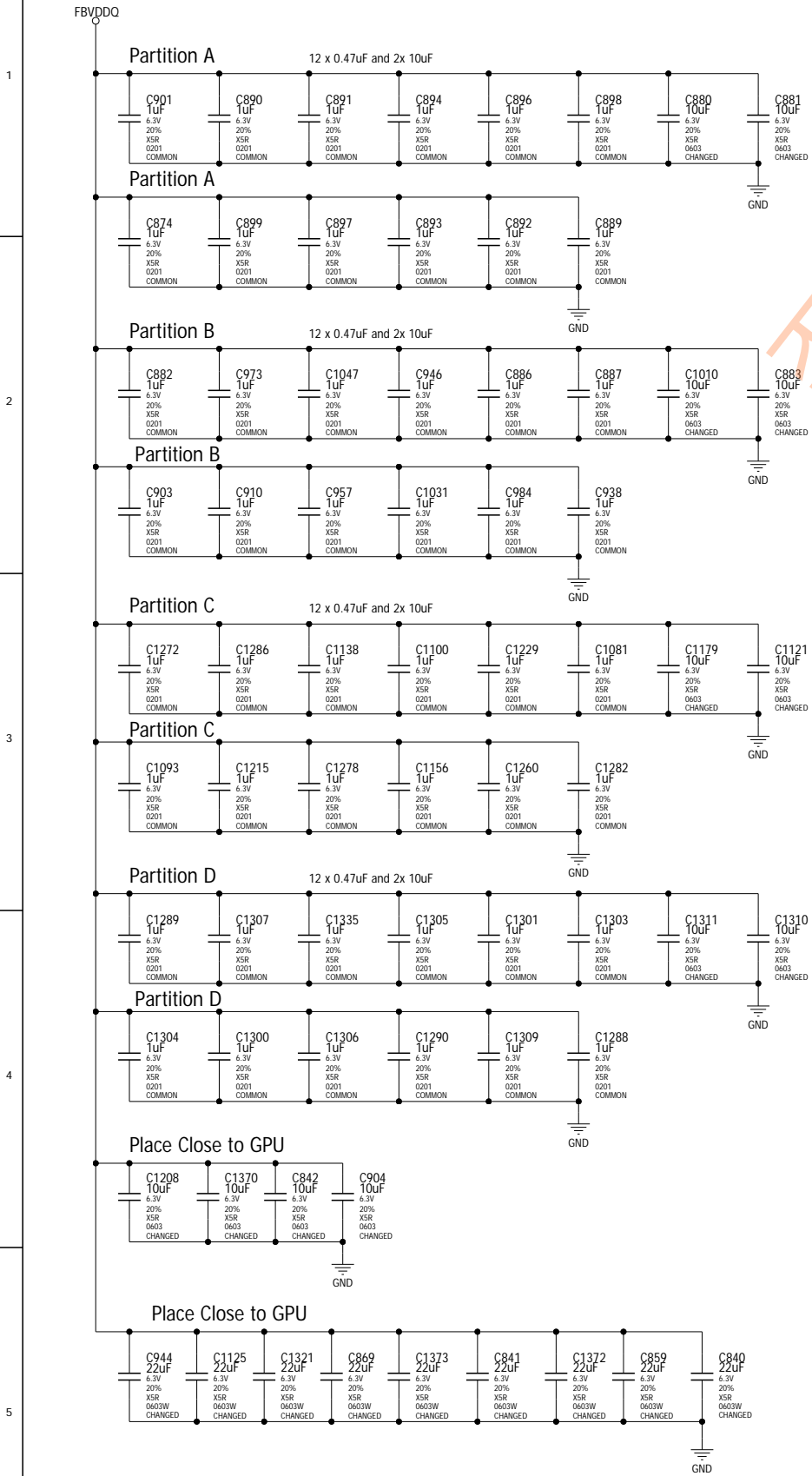
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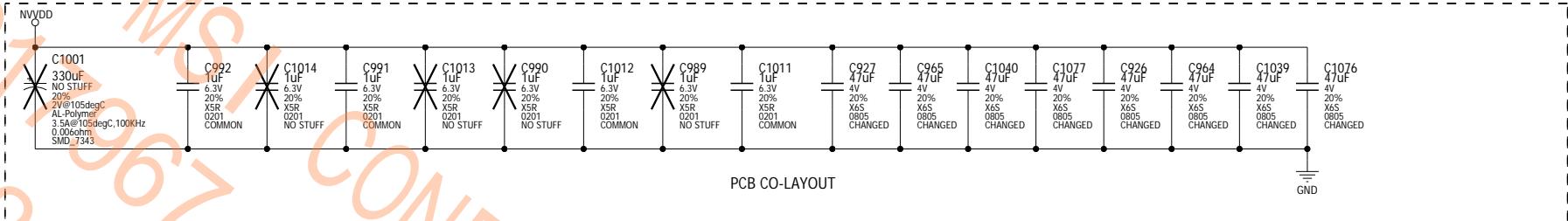
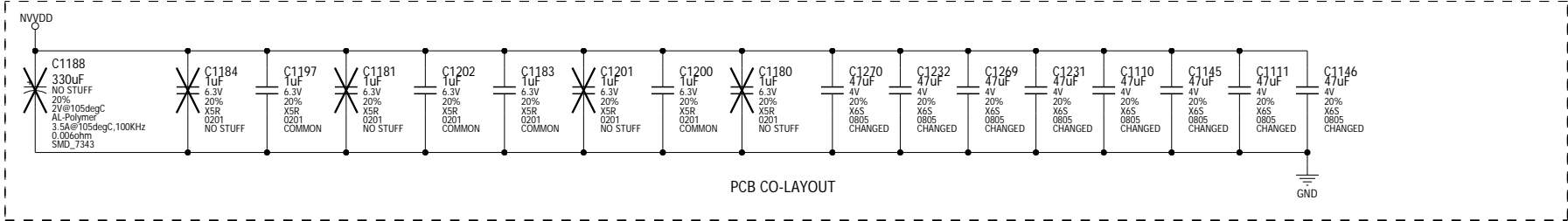
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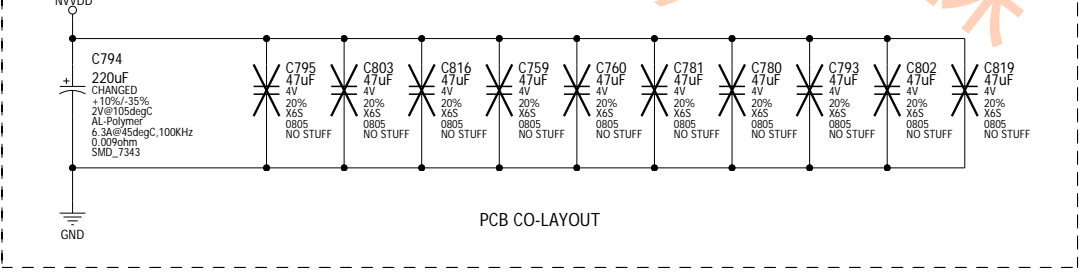
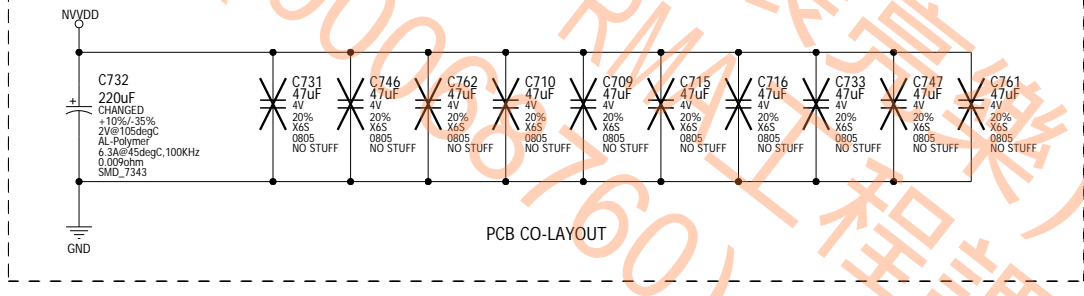
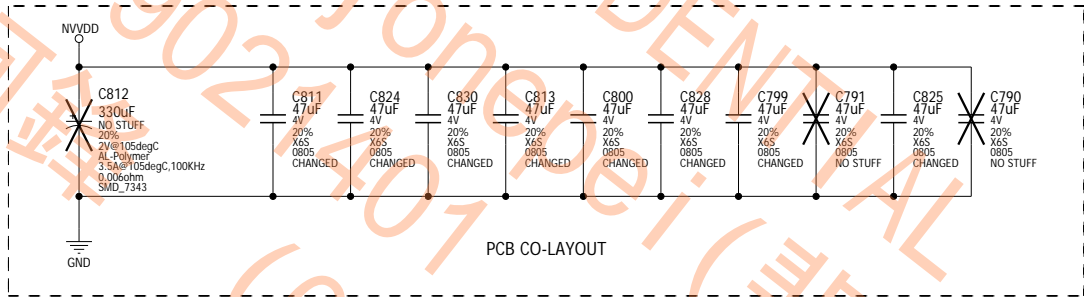
FBVDDQ



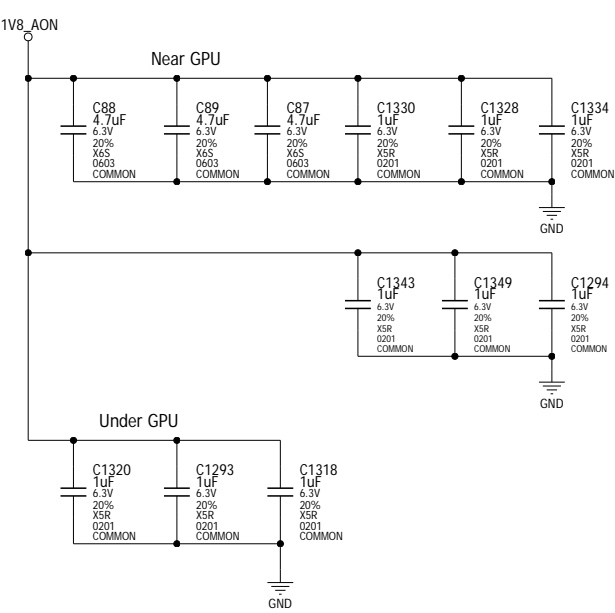
Under GPU



Near GPU



1V8_AON



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Page17: GPU Decoupling 2

NVVDD



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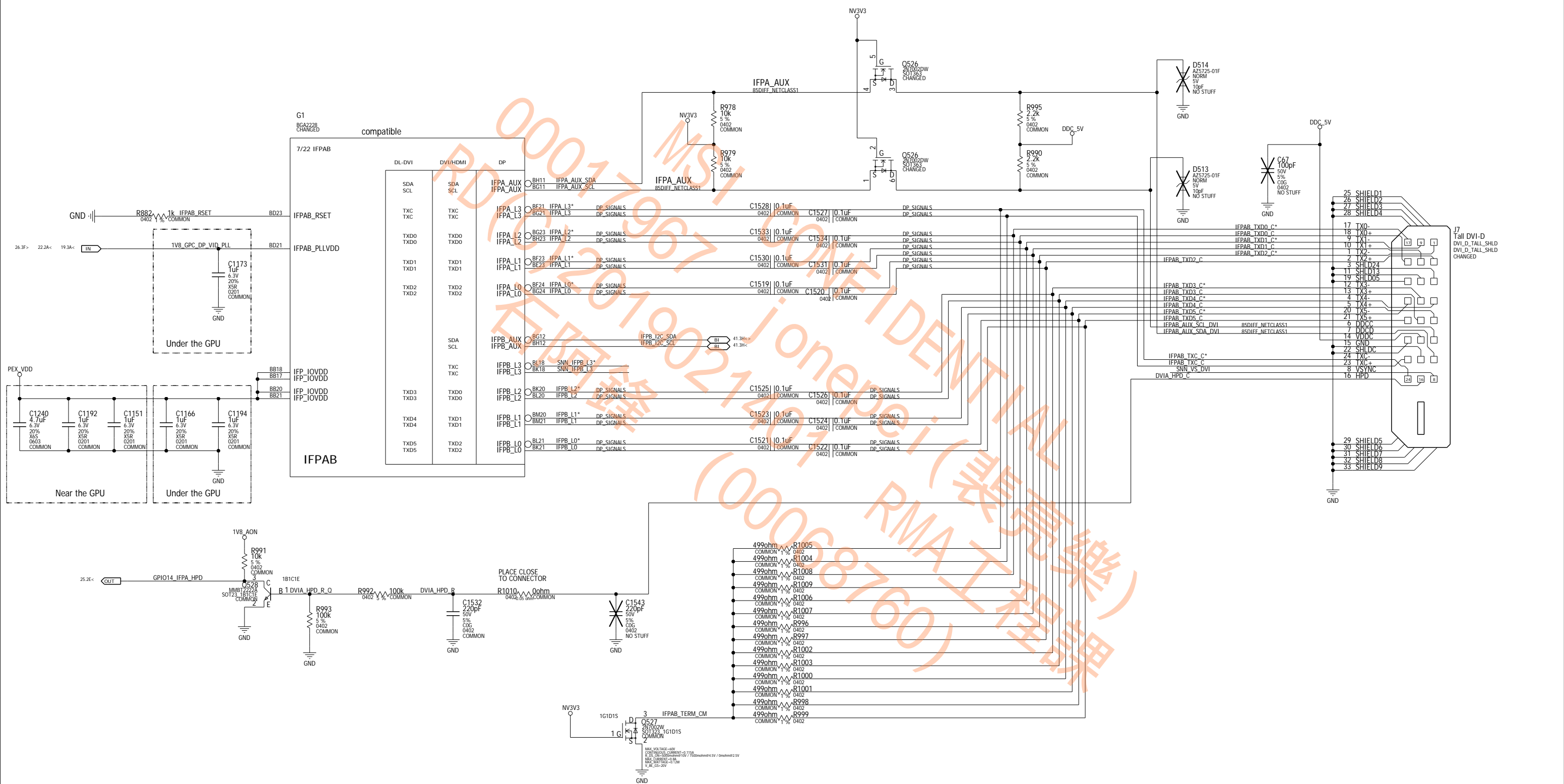
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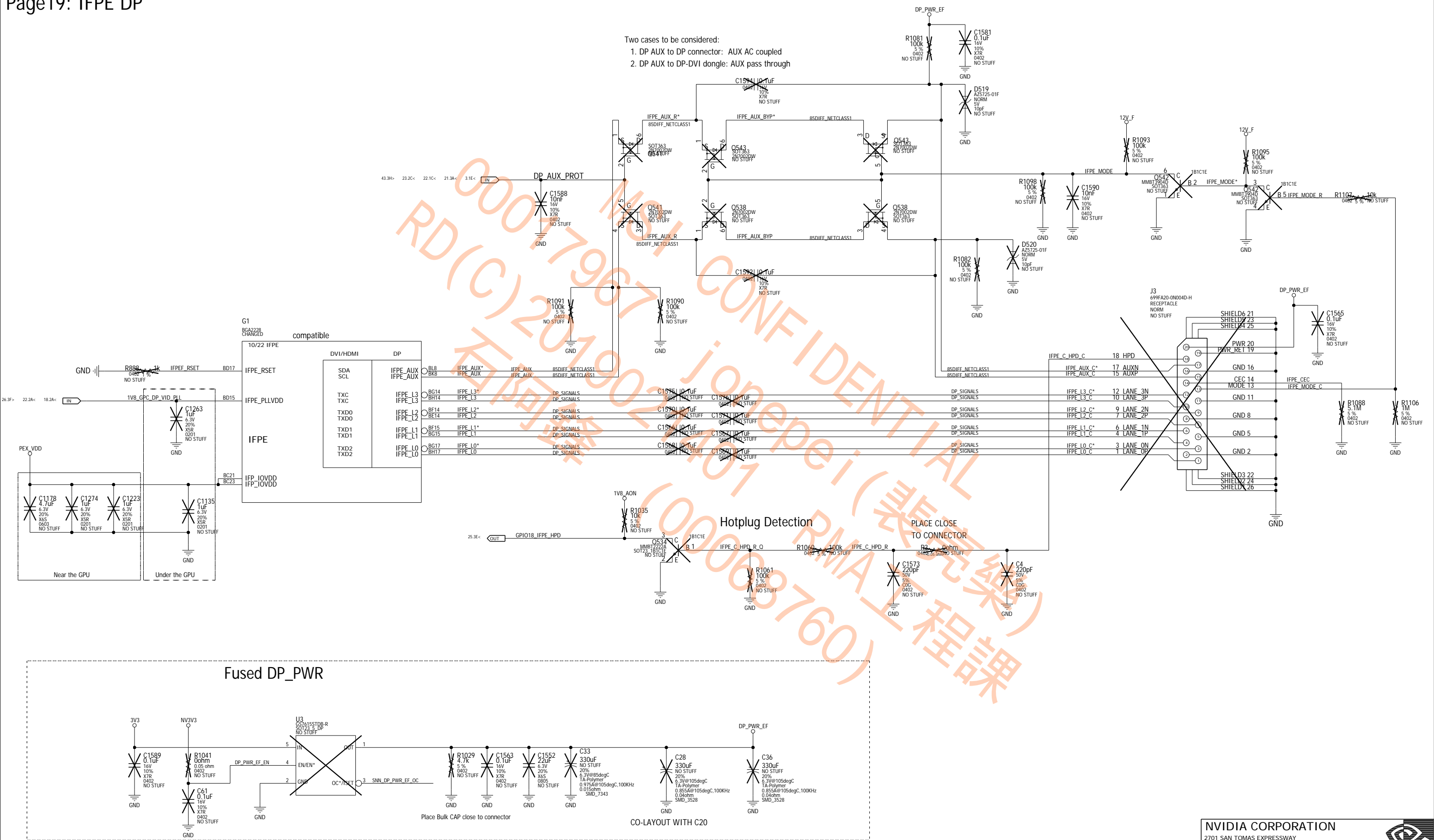
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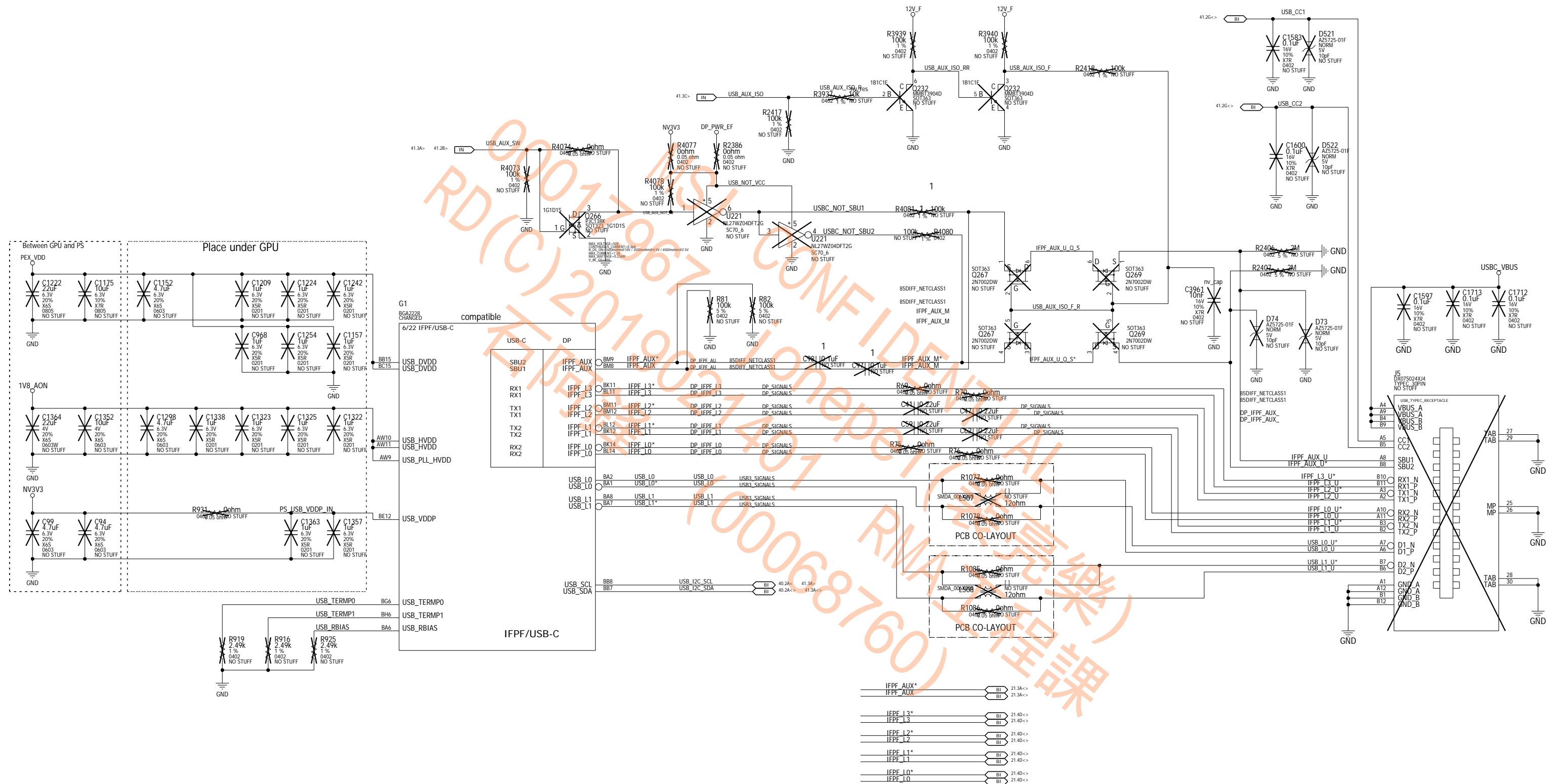
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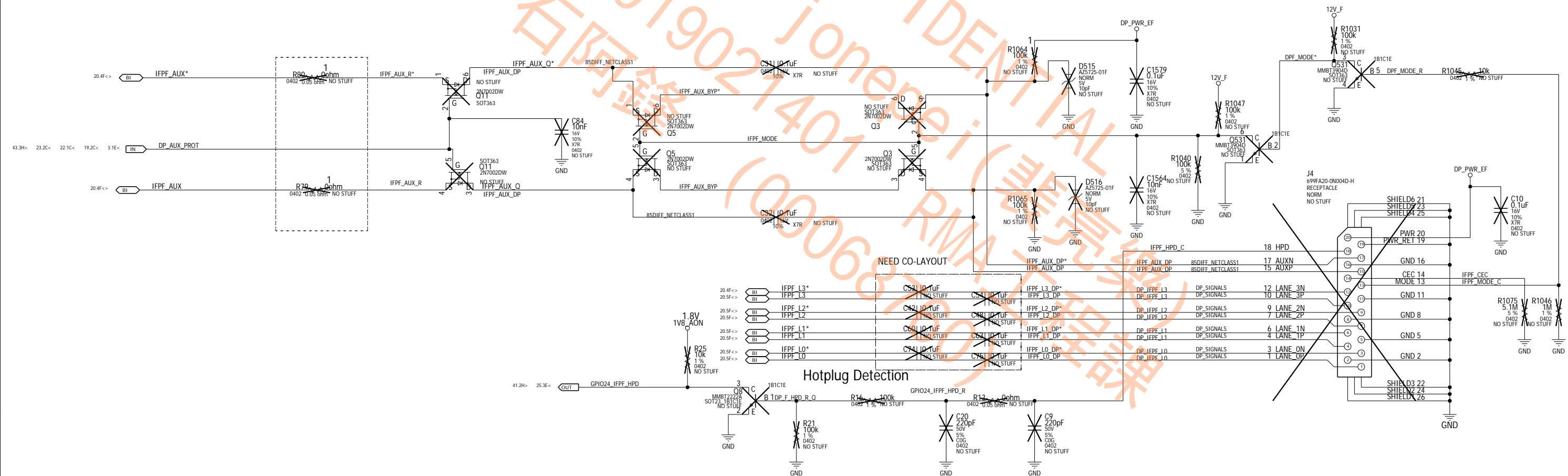
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PCB REV	PG160-B03	PAGE	19 OF 53
BOM REV	A	DATE	12-NOV-2018

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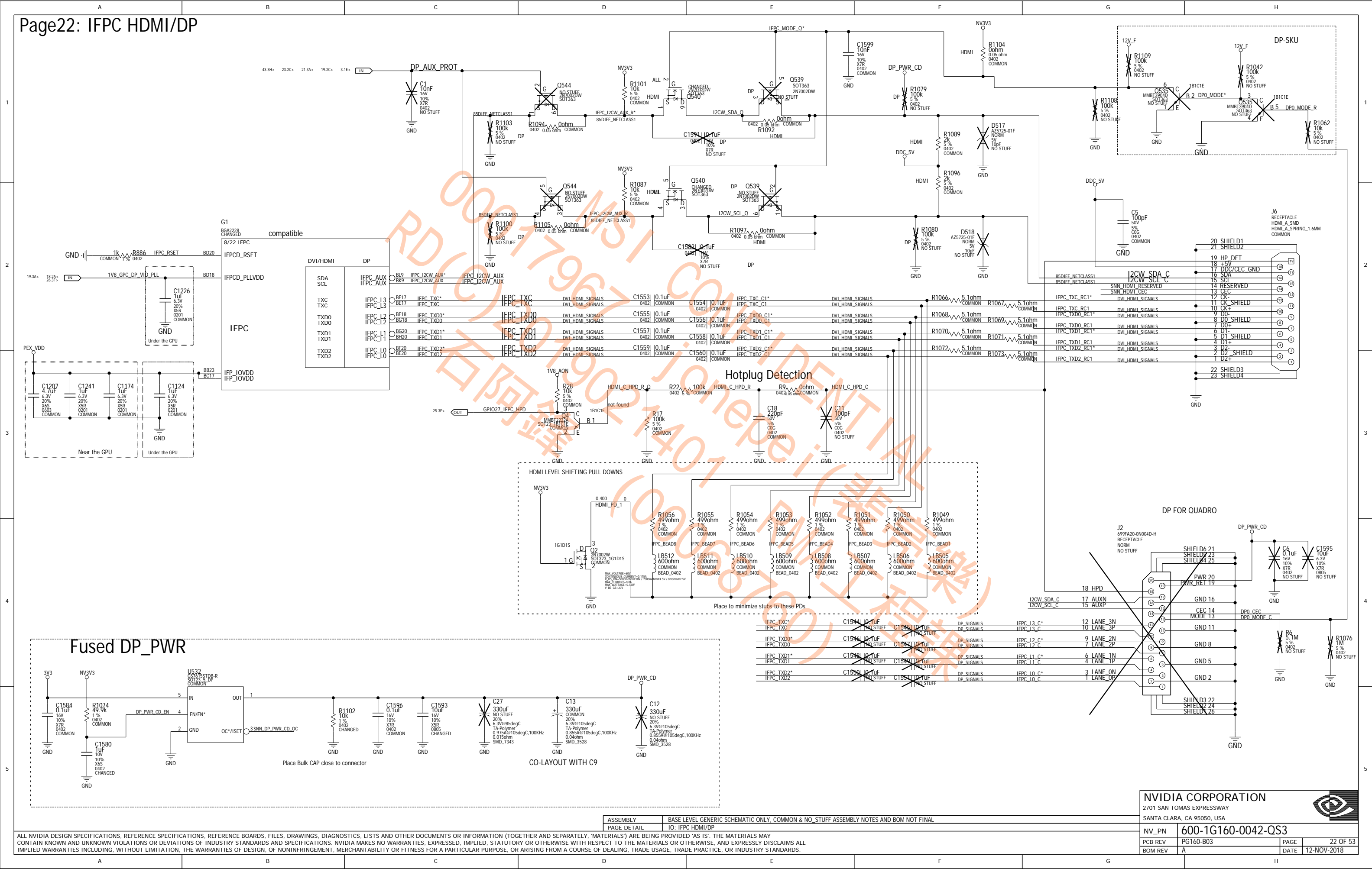
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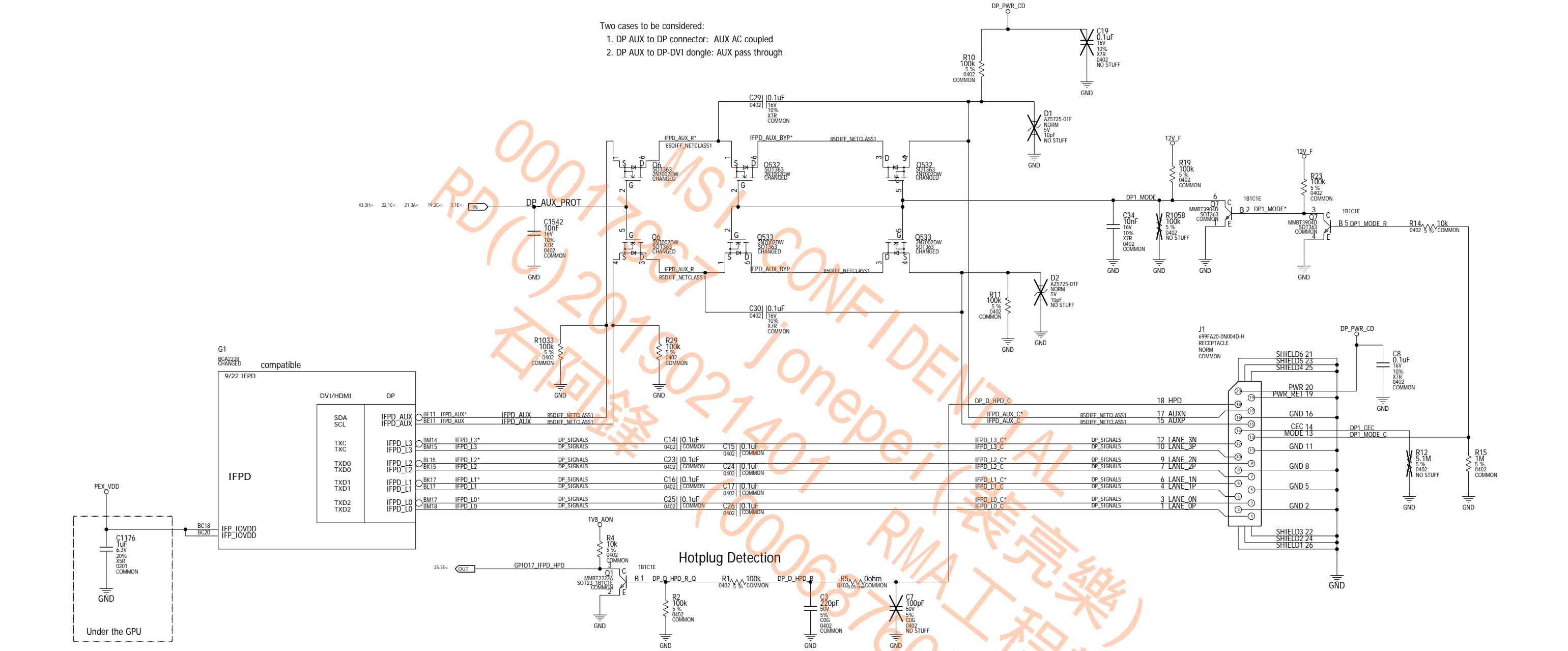
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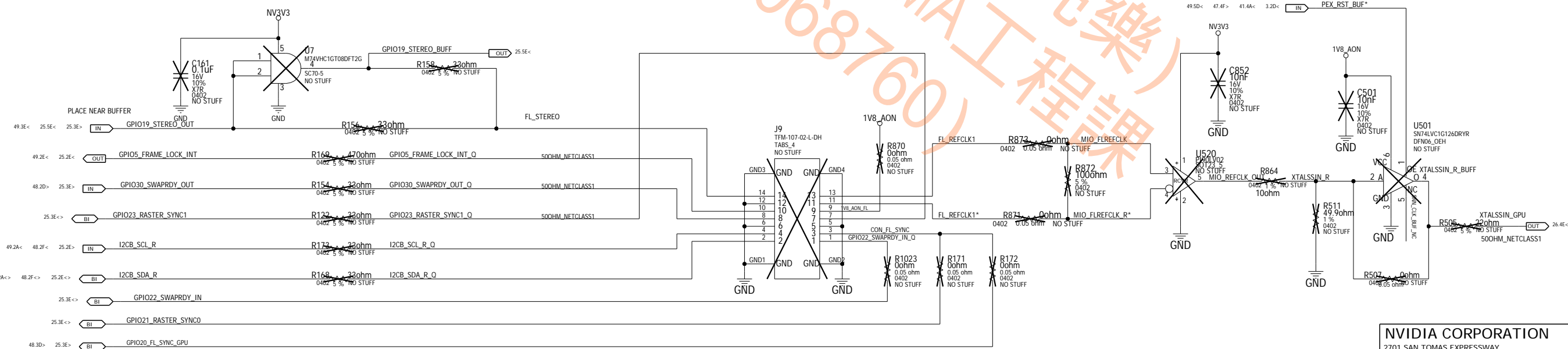
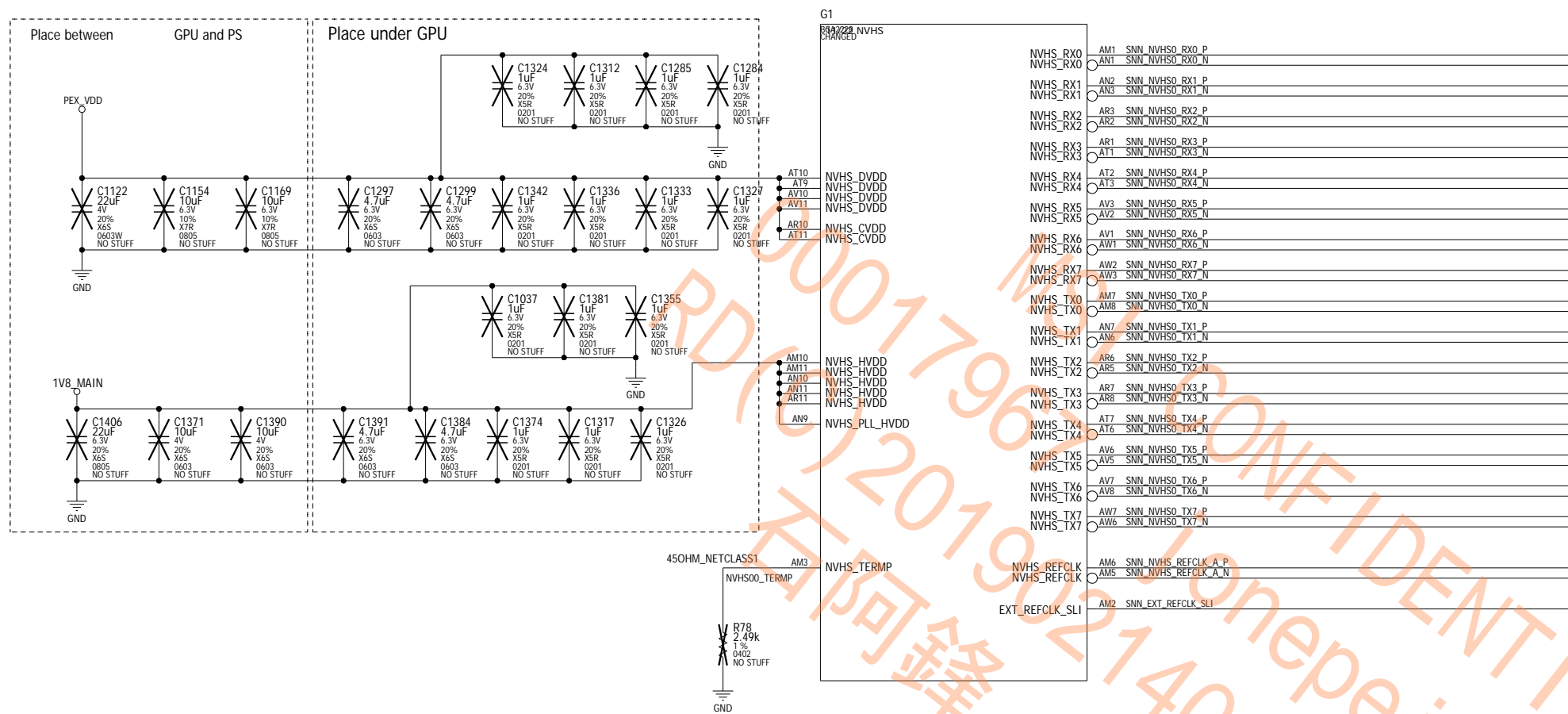
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PCB REV	PG160-B03	PAGE	21 OF 53	
BOM REV	A	DATE	12-NOV-2018	



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PAGE DETAIL	IO: NVHS Interface and Frame Lock

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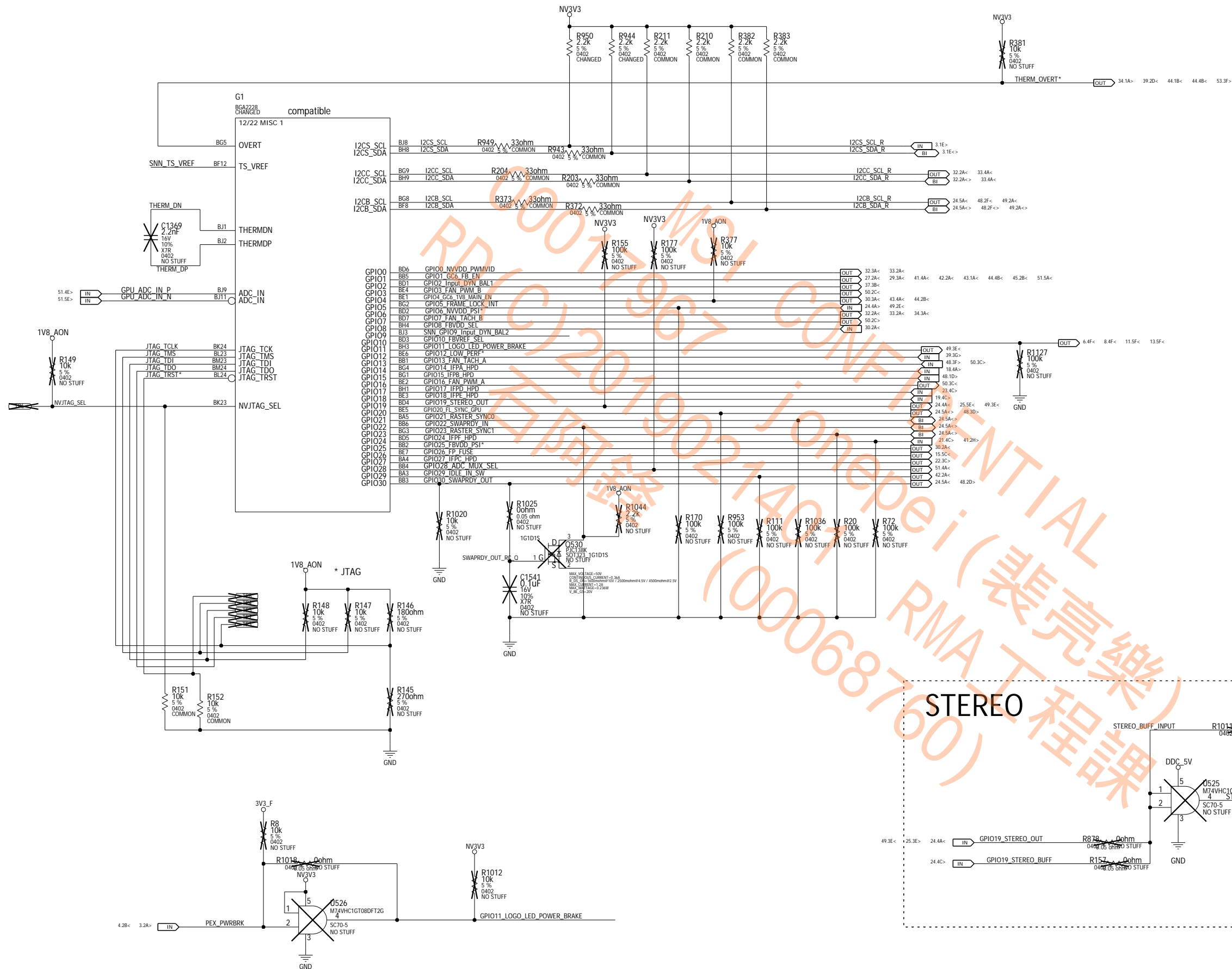
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NV_PN	600-1G160-0042-QS3		
PCB REV	PG160-B03	PAGE	24 OF 53
BOM REV	A	DATE	12-NOV-2018





ASSEMBLY	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL
PAGE DETAIL	MISC1: Thermal, JTAG, GPIO, STEREO

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PCB REV	PG160-B03
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PAGE	25 OF 53
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DATE	12-NOV-2018
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Page26: MISC2: 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	
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	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

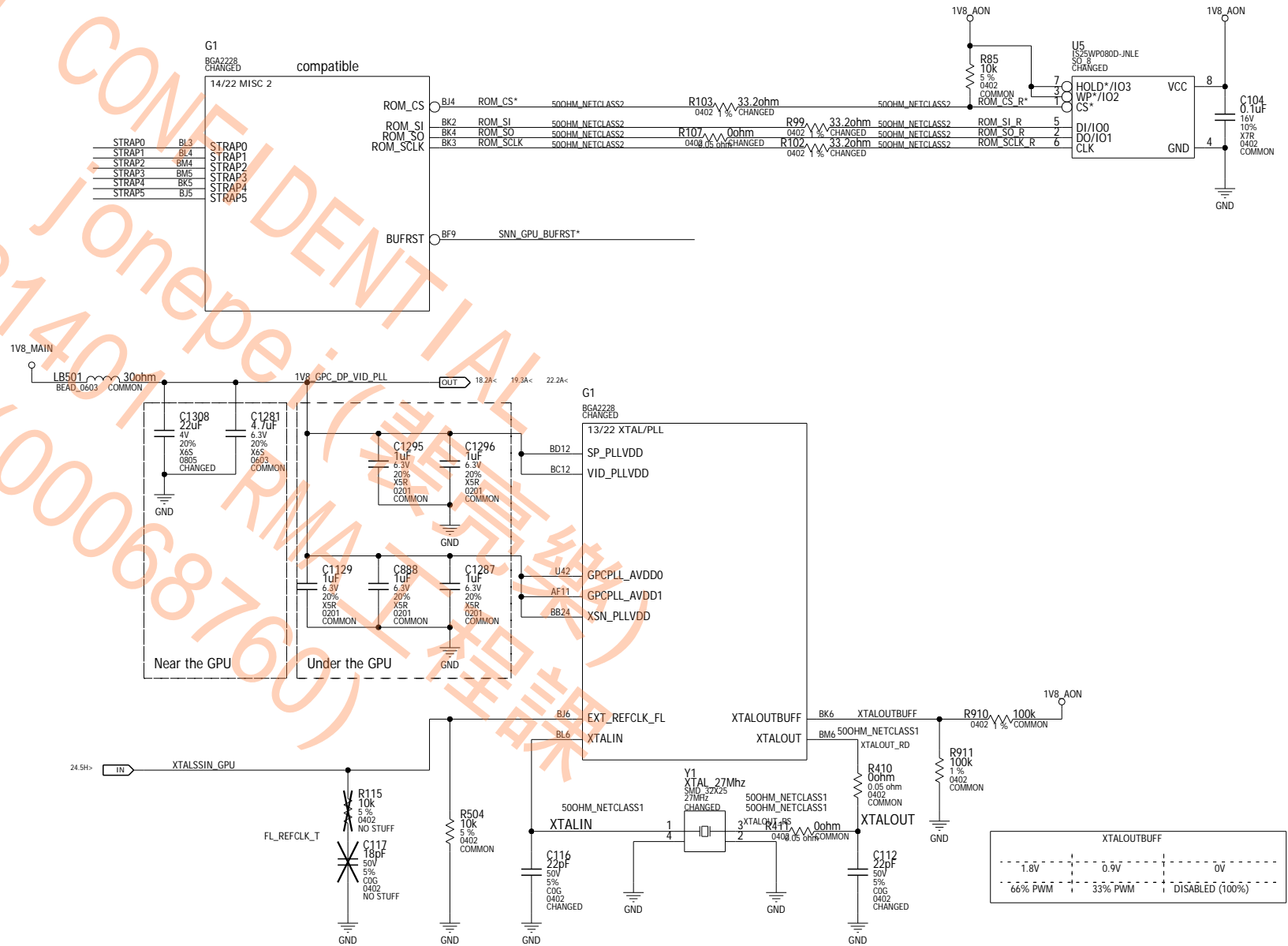
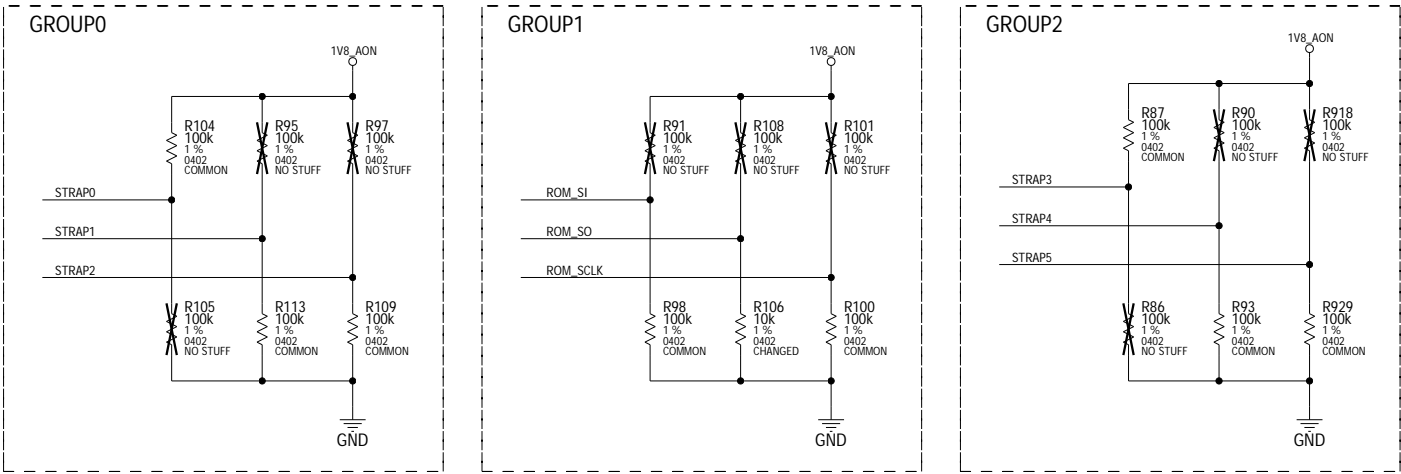
H=High :Tied to 1.8V
M=Middle:Tied to 0.9V
L=Low :Tied to 0V

1:SMB_ALT_ADDR ENABLE
0:SMB_ALT_ADDR DISABLE

1:DEVID_SEL REBRAND
0:DEVID_SEL ORIGINAL

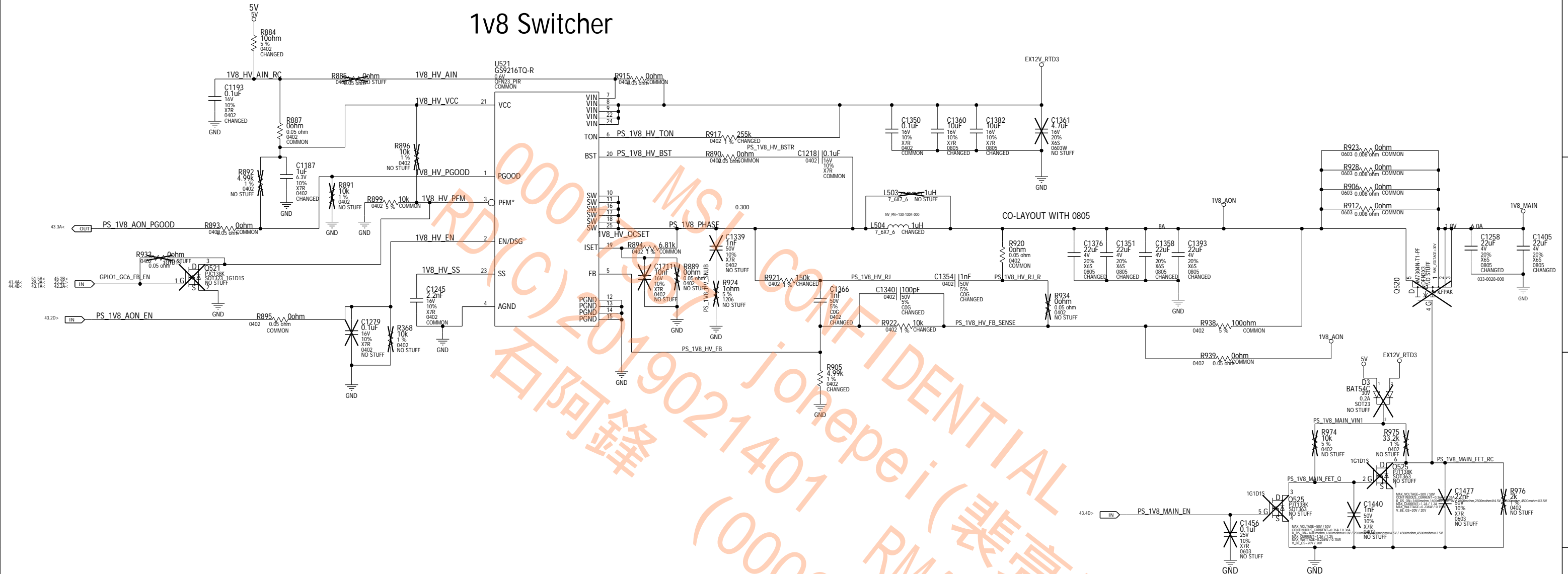
1:PCIE_CFG LOW POWER
0:PCIE_CFG HIGH POWER

1:VGA_DEVICE ENABLE
0:VGA_DEVICE DISABLE



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1v8 Switcher



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PAGE DETAIL	PS: 1V8_PLL, 1V8_AON

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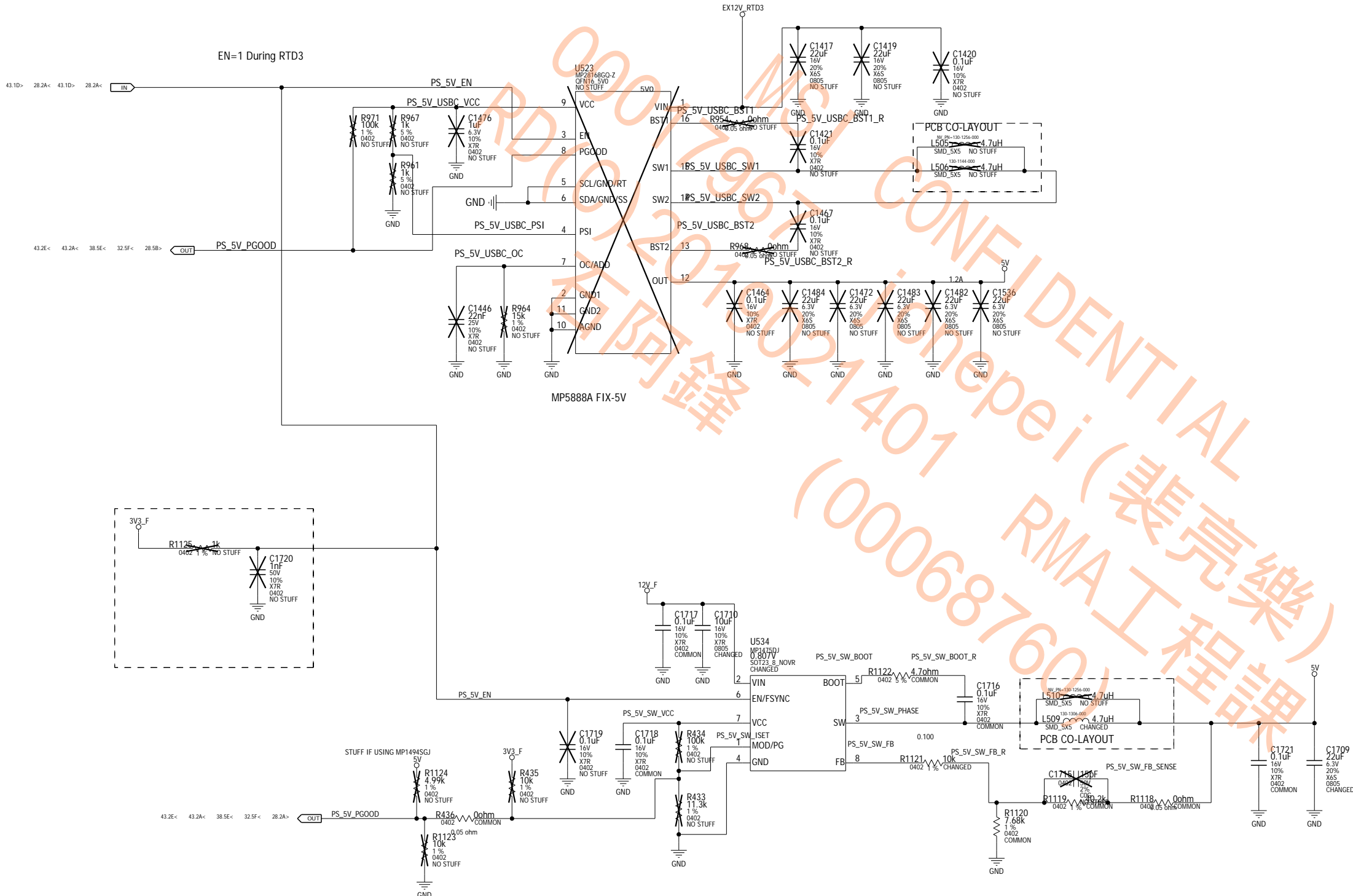
PCB REV	PG160-B03
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PAGE 27 OF 53

BOM REV

DATE	12-NOV-2018
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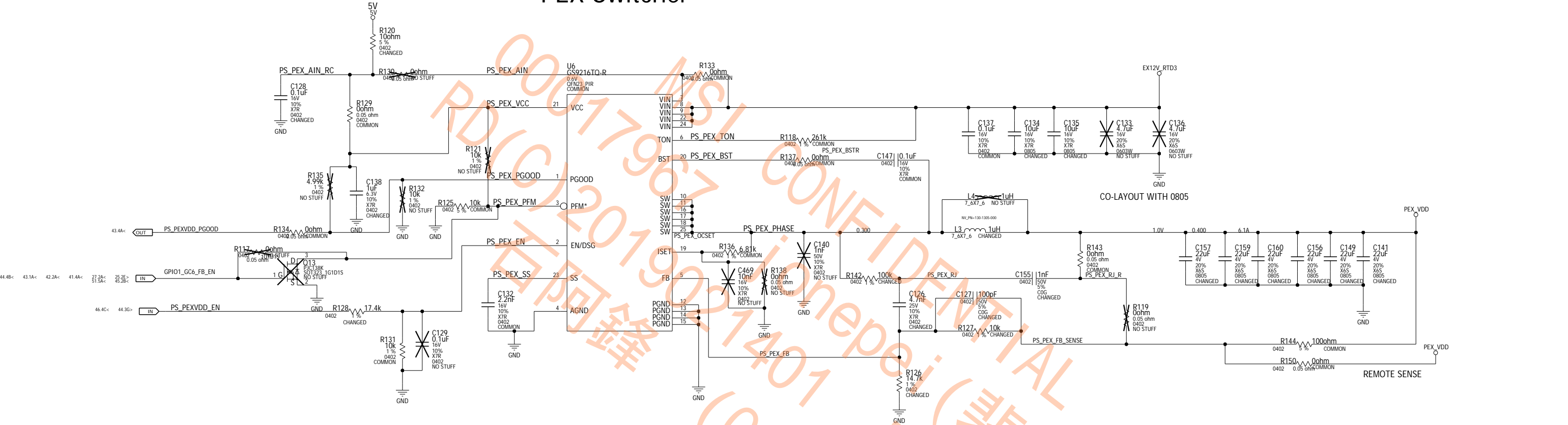




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PCB REV	PG160-B03	PAGE	28 OF 53
BOM REV	A	DATE	12-NOV-2018

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PEX Switcher

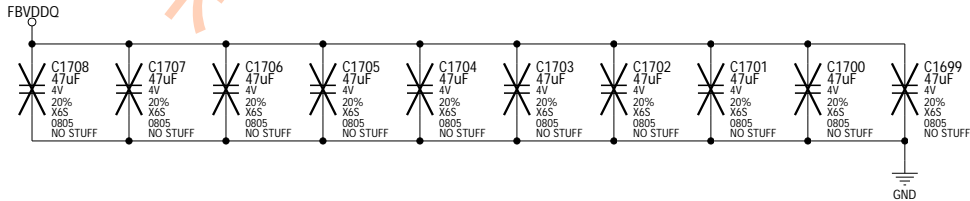
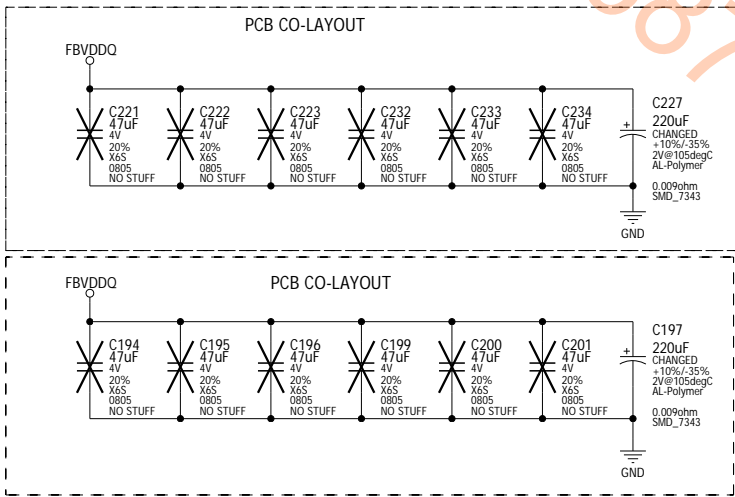
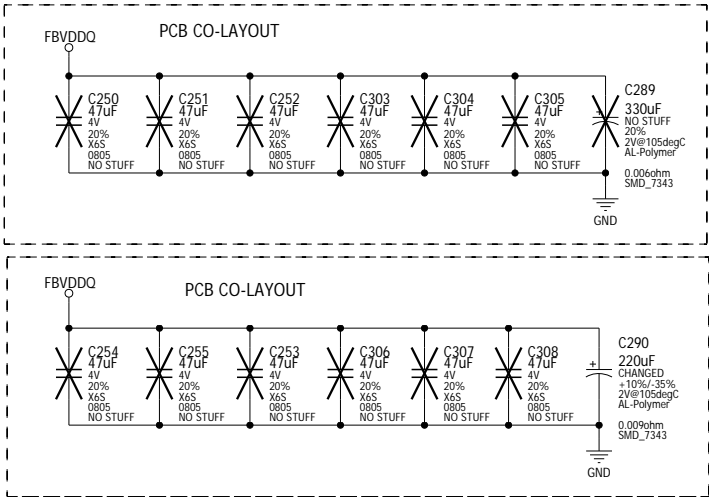
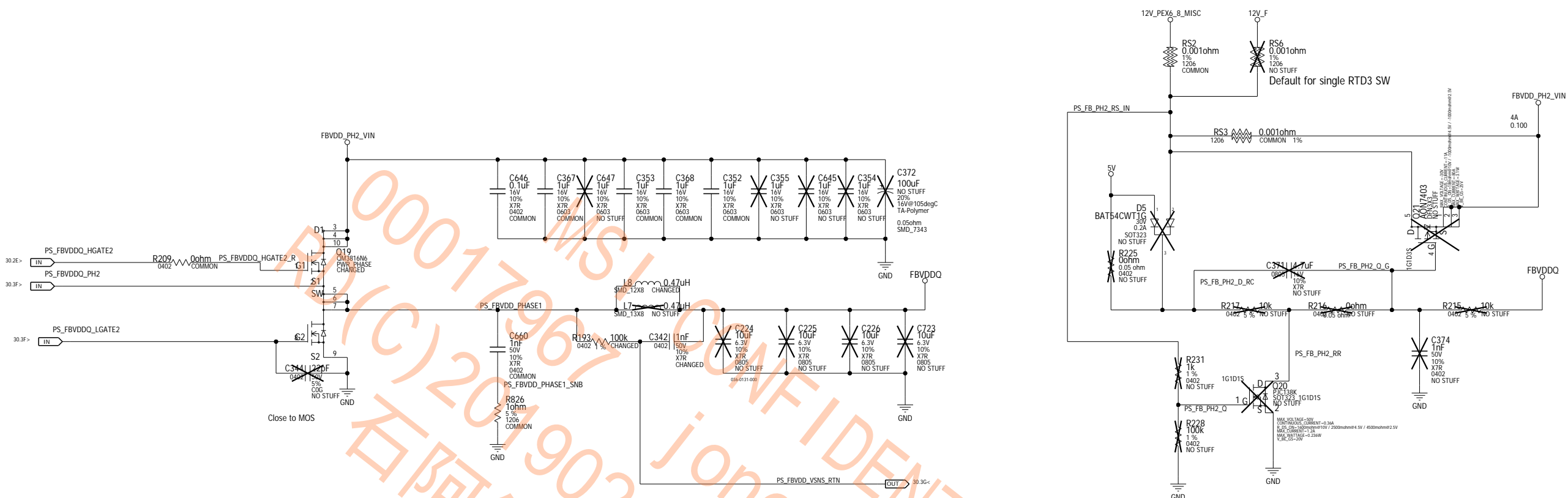


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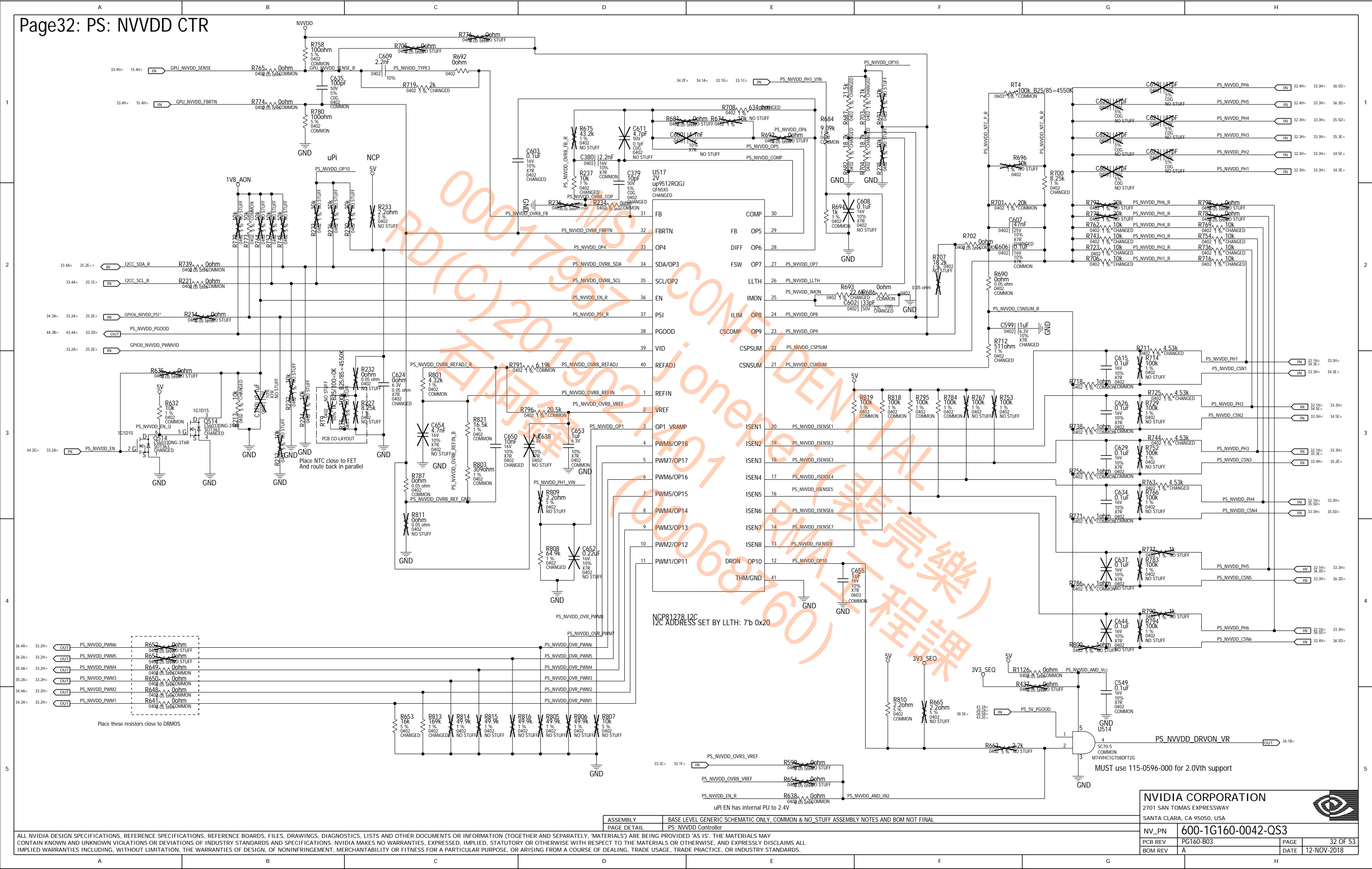


PCB REV	PG160-B03	PAGE	30 OF 53
BOM REV	A	DATE	12-NOV-2018

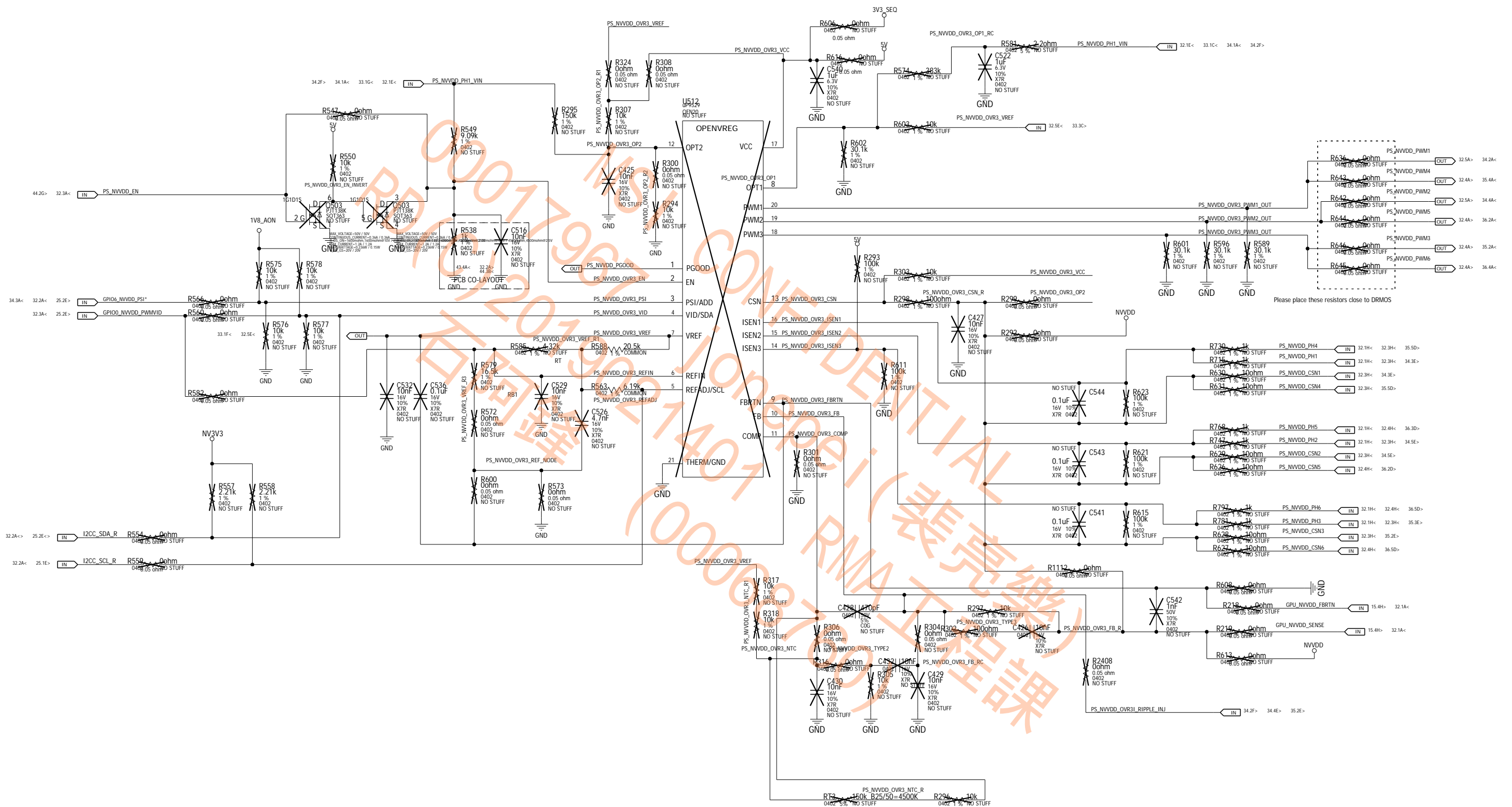
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PAGE DETAIL	PS: NVVDD Controller OVR3i

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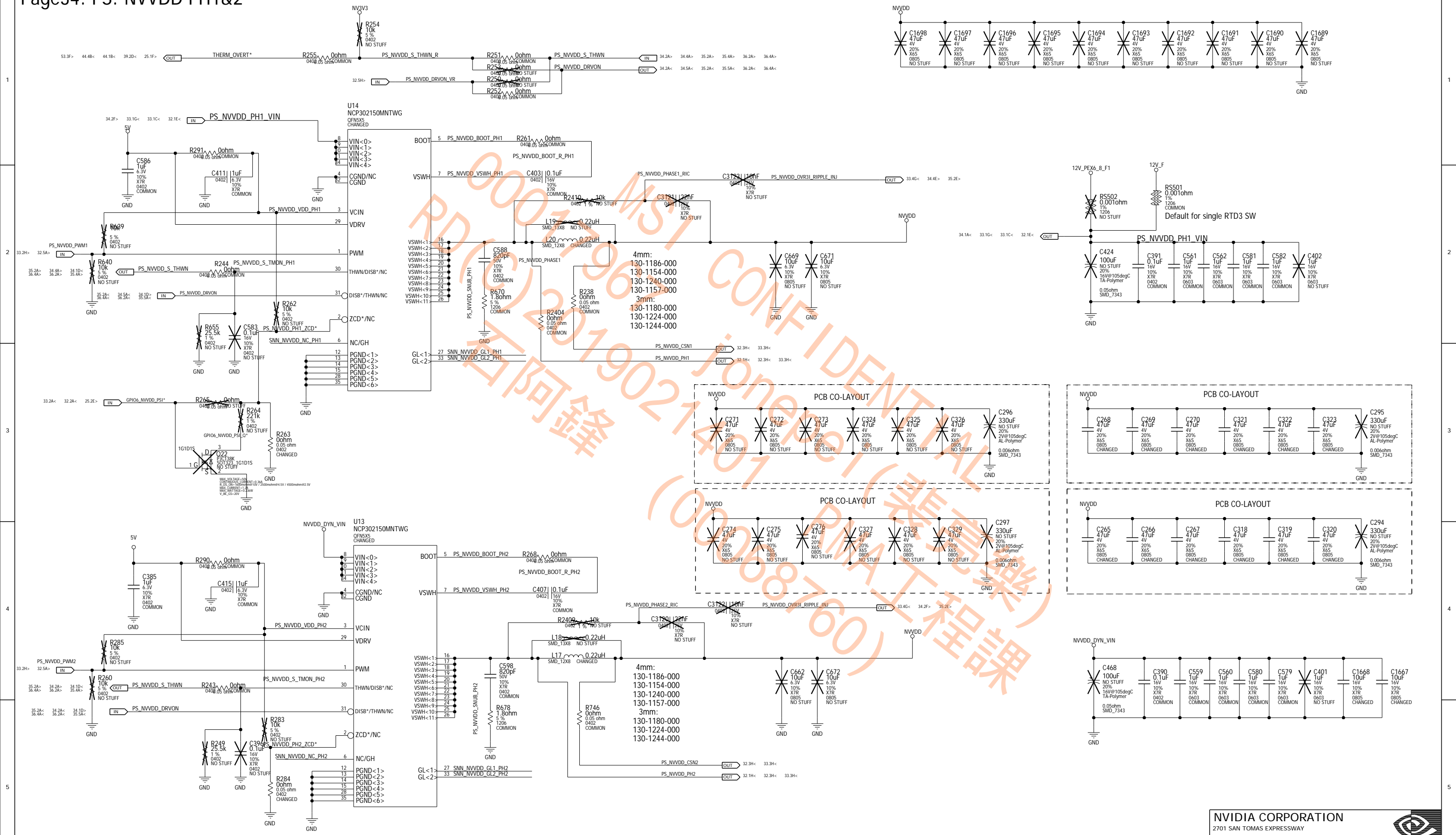
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PAGE	33 OF 53
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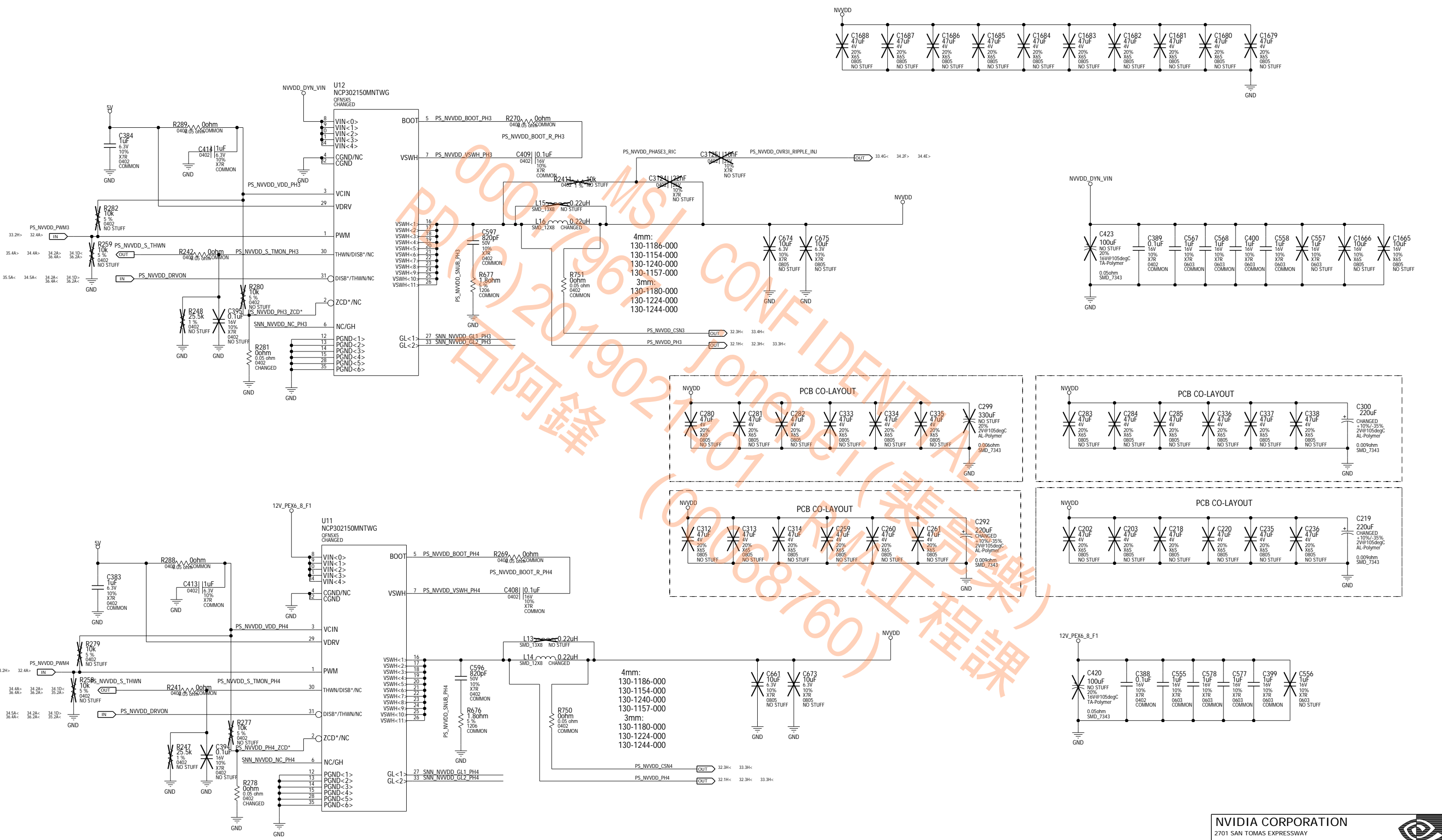
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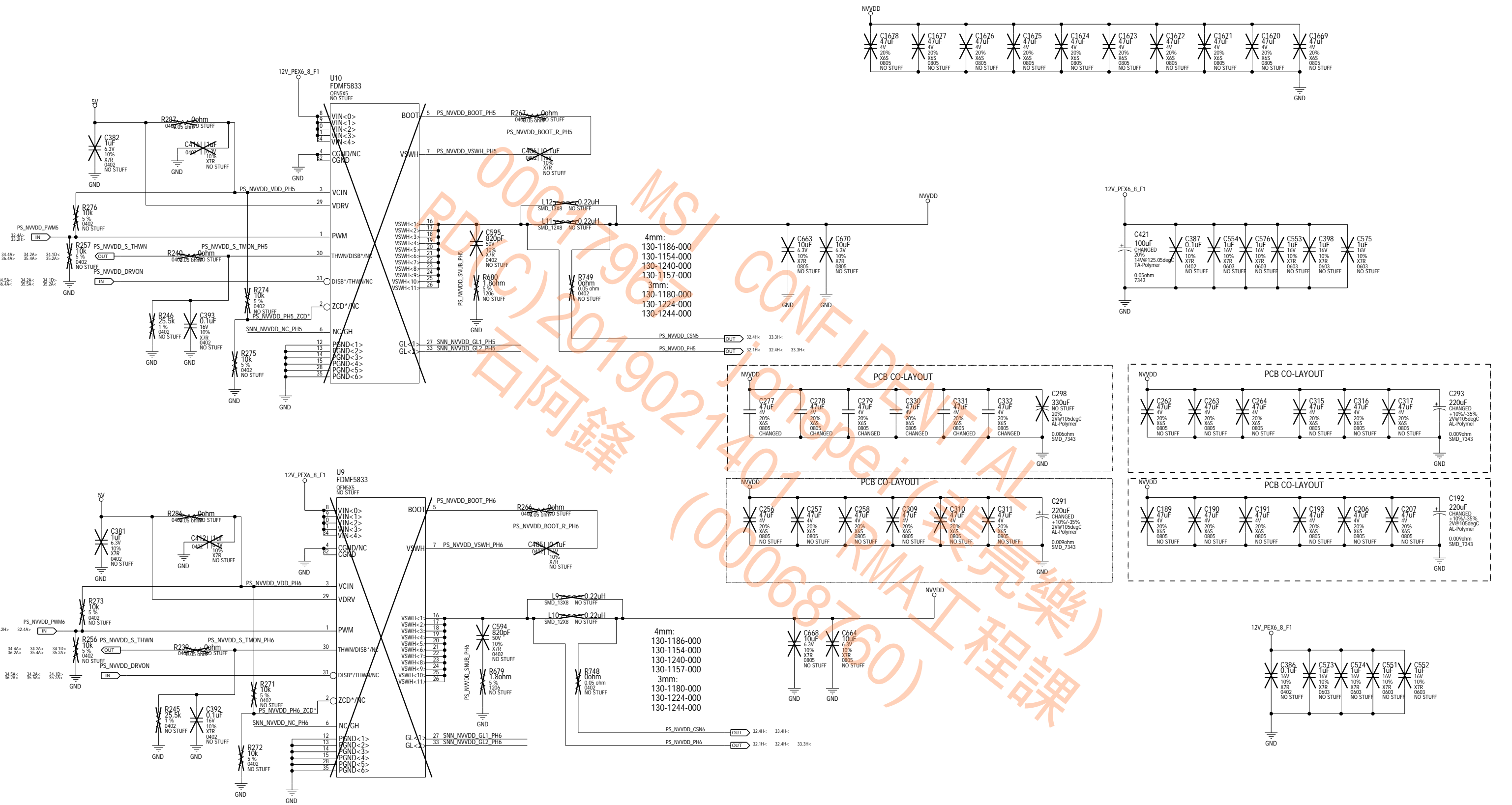


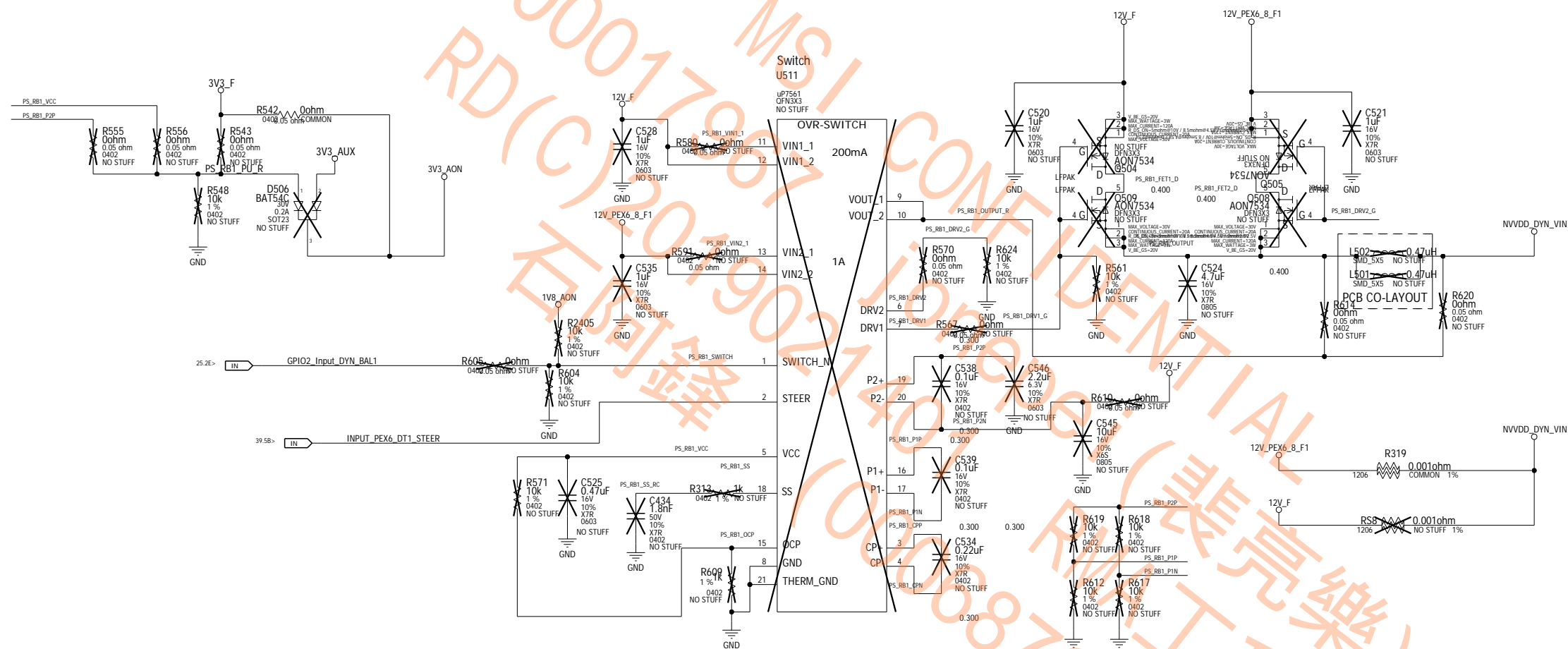


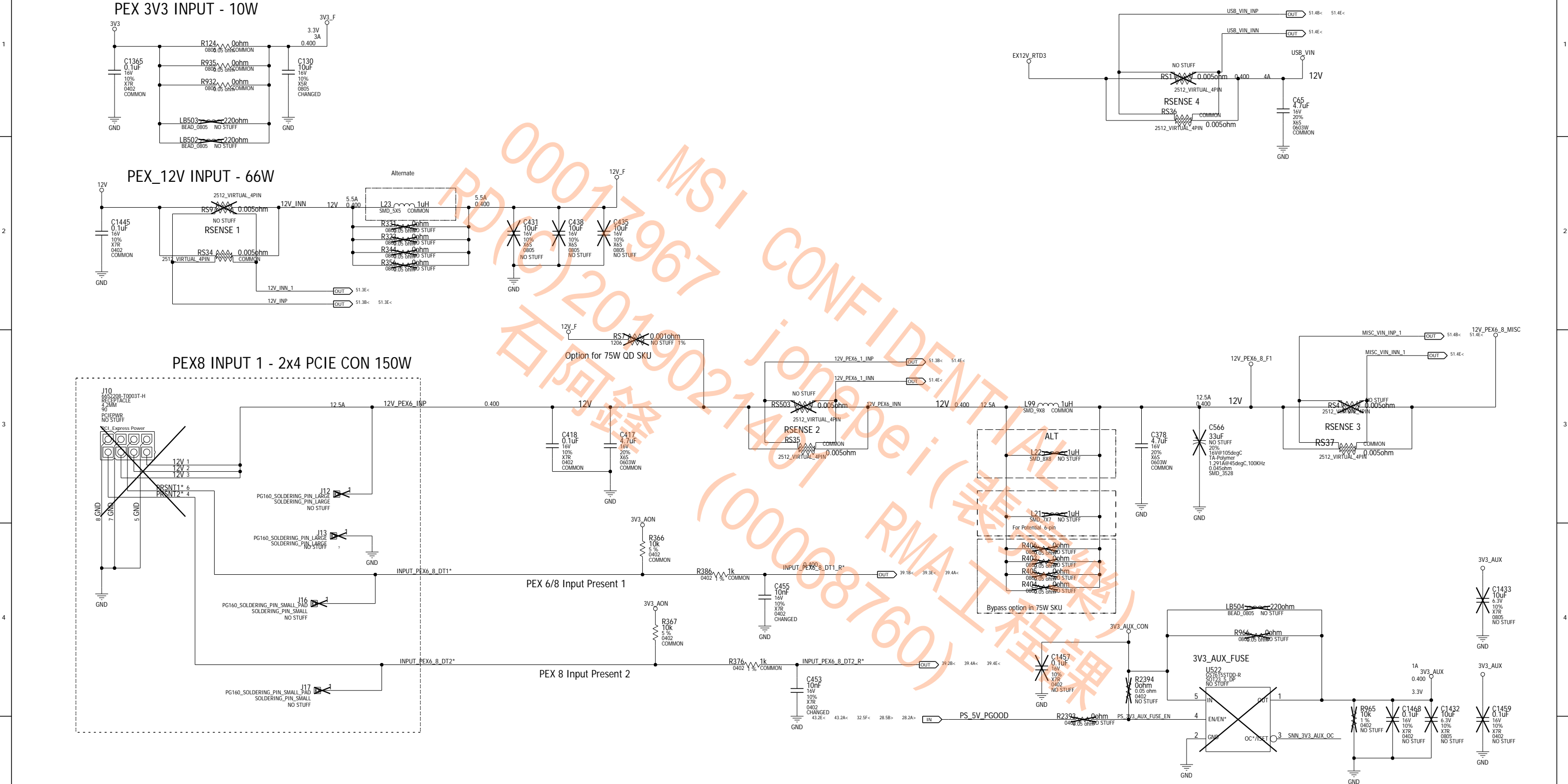
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PCB REV	PG160-B03	PAGE	34 OF 53
BOM REV	A	DATE	12-NOV-2018



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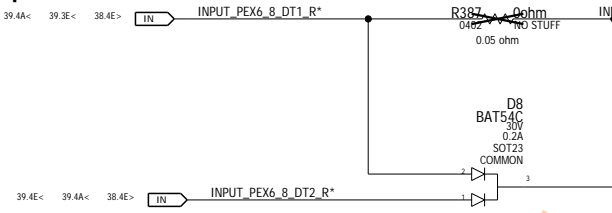




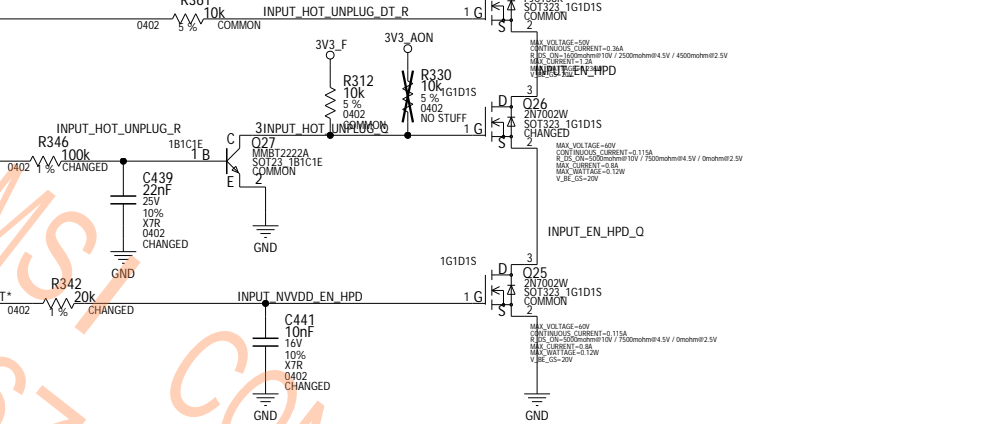


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PEX Input Present 1

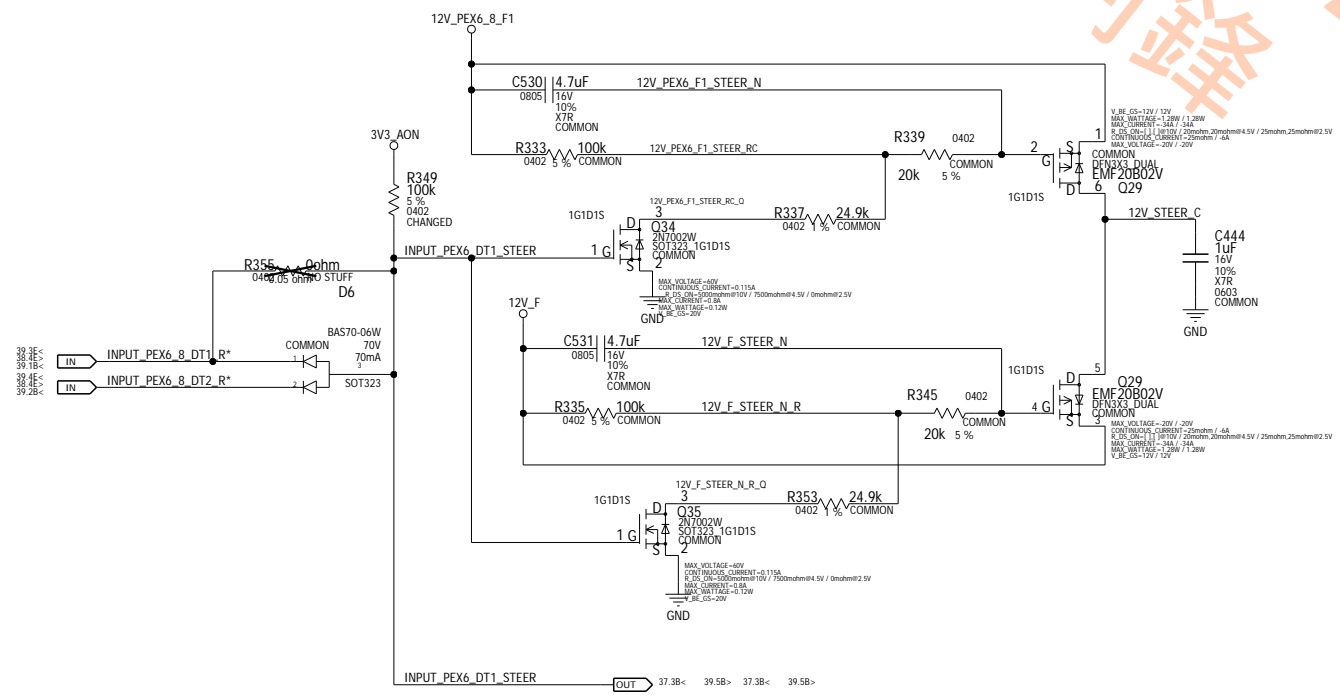


POWER CONNECTOR HOT-UNPLUG DETECT

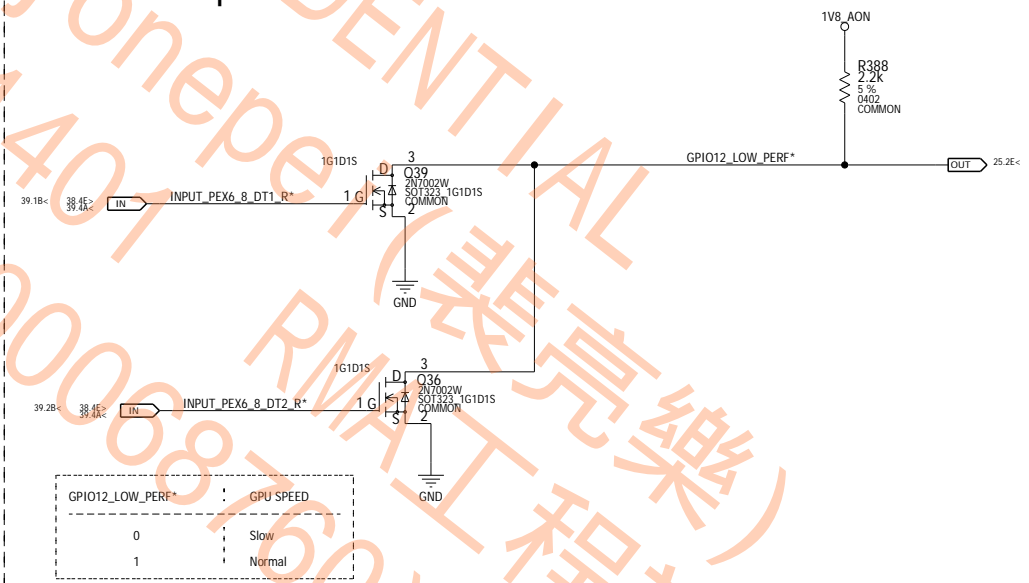


12V CURRENT STEERING (UNDER POWER BOOT):

GUIDES CURRENT FROM PEX EDGE TO PEX 6 PIN INPUT AREA

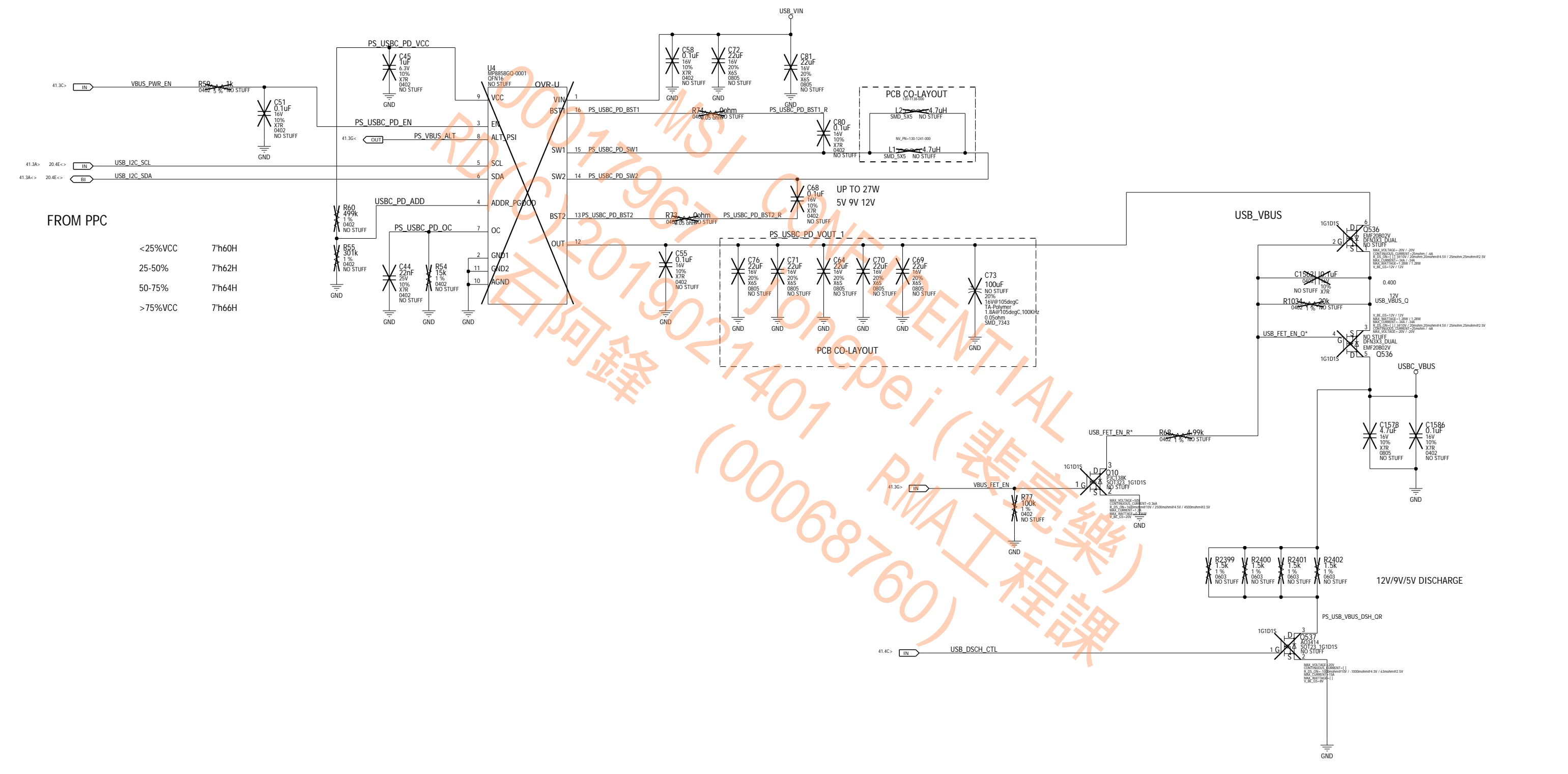


PEX Input - Power Level/PSI* Control

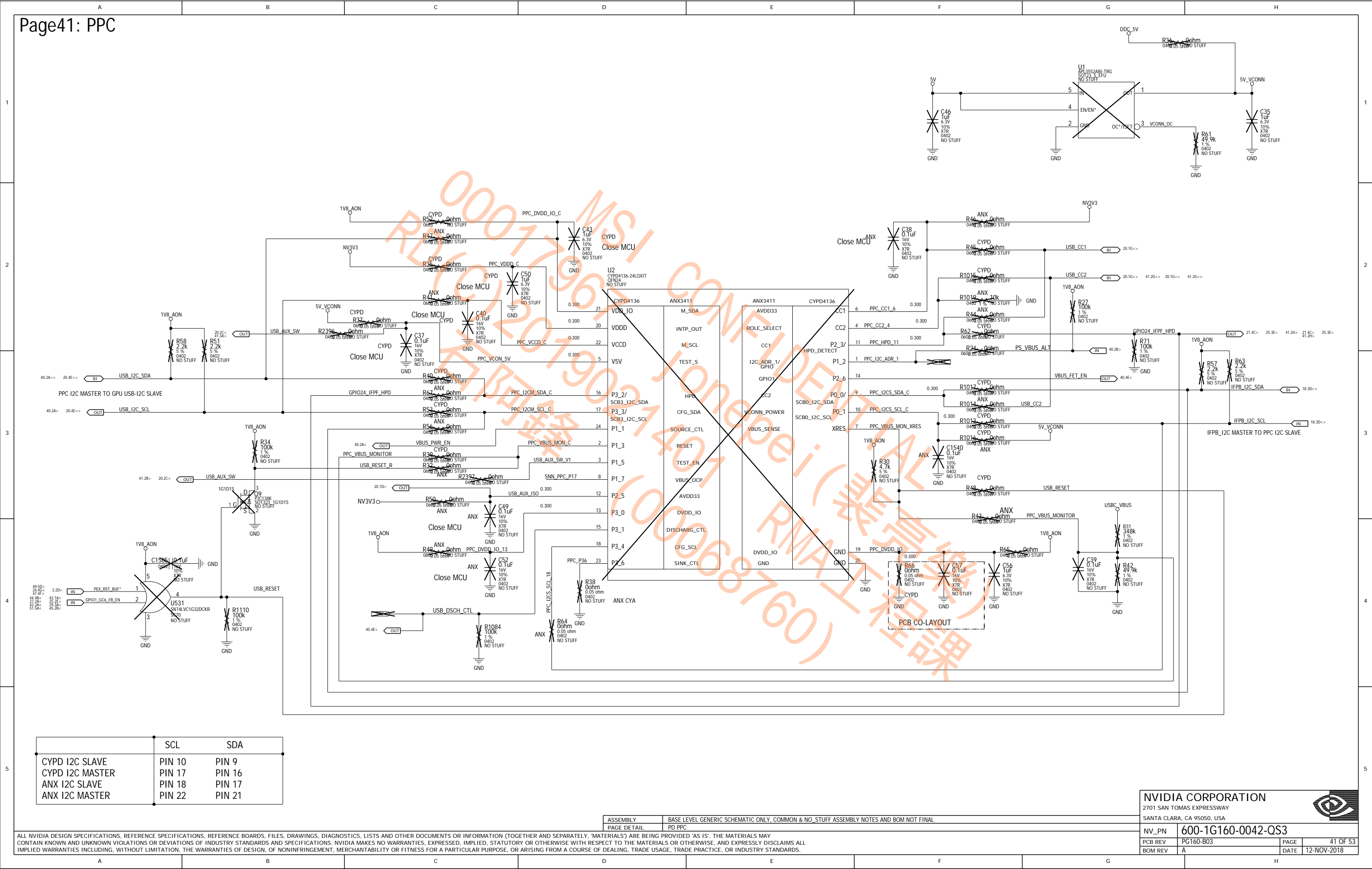


GPIO12_LOW_PERF*	GPU SPEED
0	Slow
1	Normal

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	SCL	SDA
CYPD I2C SLAVE	PIN 10	PIN 9
CYPD I2C MASTER	PIN 17	PIN 16
ANX I2C SLAVE	PIN 18	PIN 17
ANX I2C MASTER	PIN 22	PIN 21

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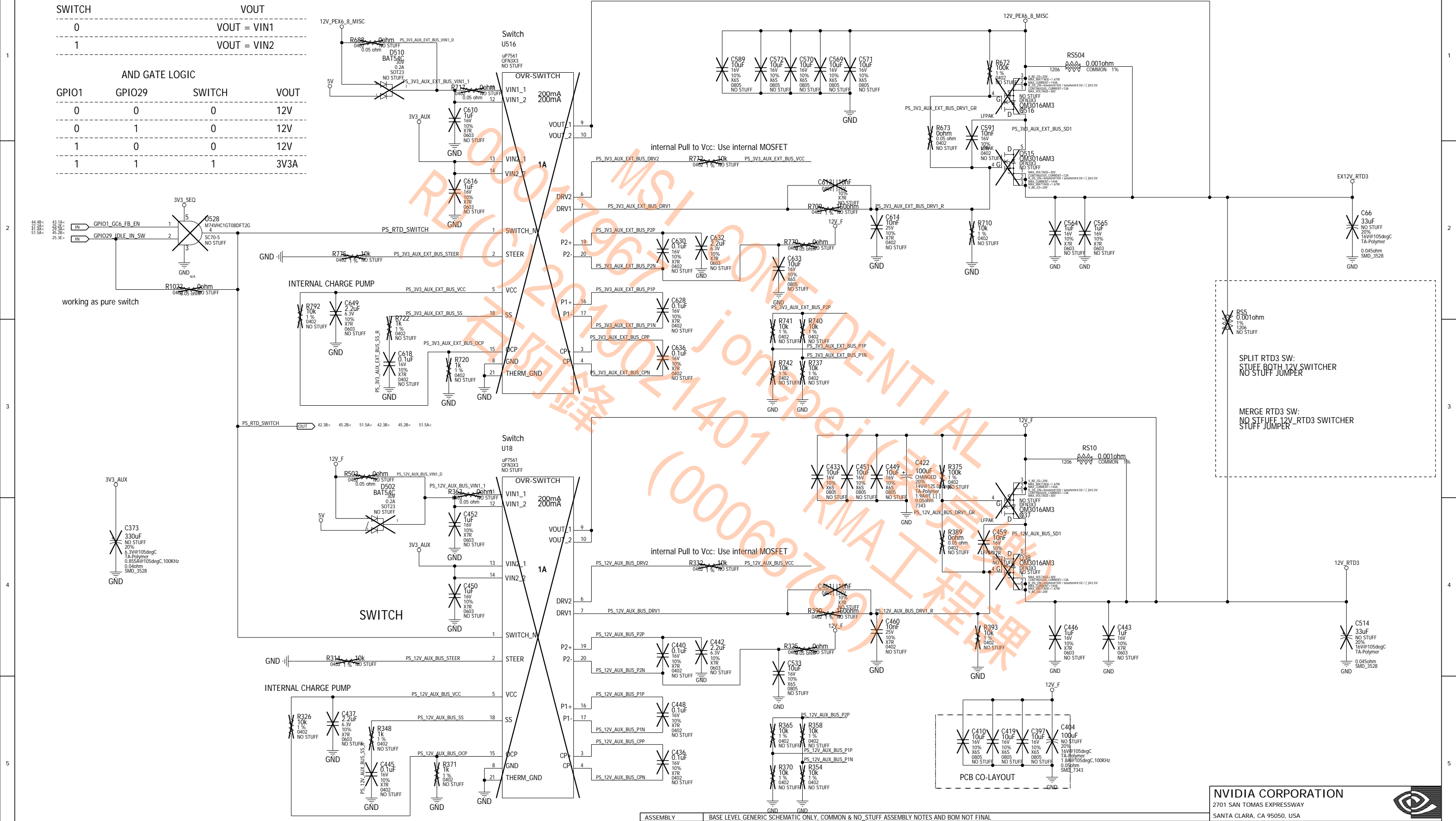
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NV_PN	600-1G160-0042-QS3		
PCB REV	PG160-B03	PAGE	41 OF 53
BOM REV	A	DATE	12-NOV-2018

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PAGE DETAIL	PD PPC

Page42: 12V & 3V3_A SWITCHER



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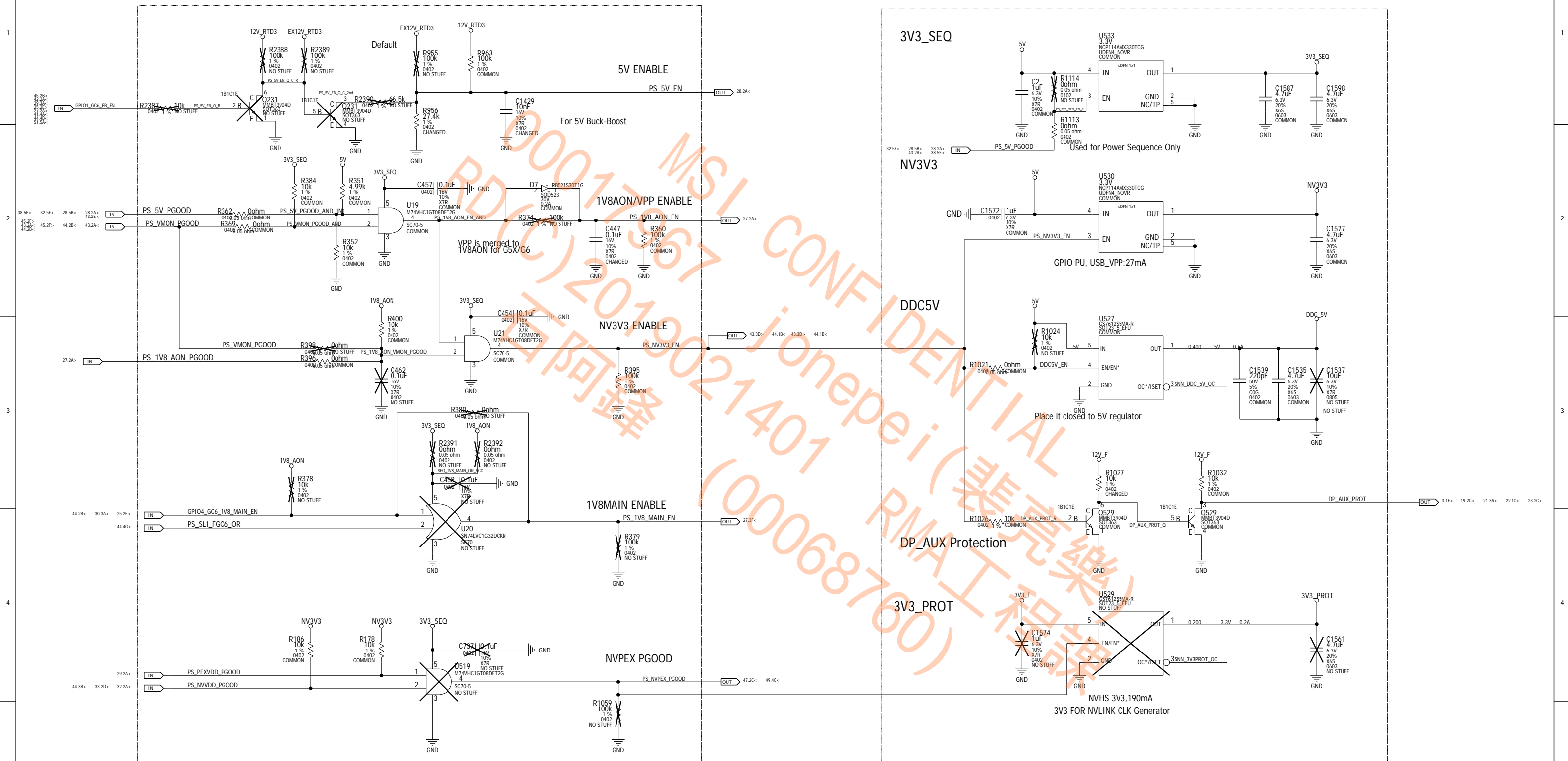
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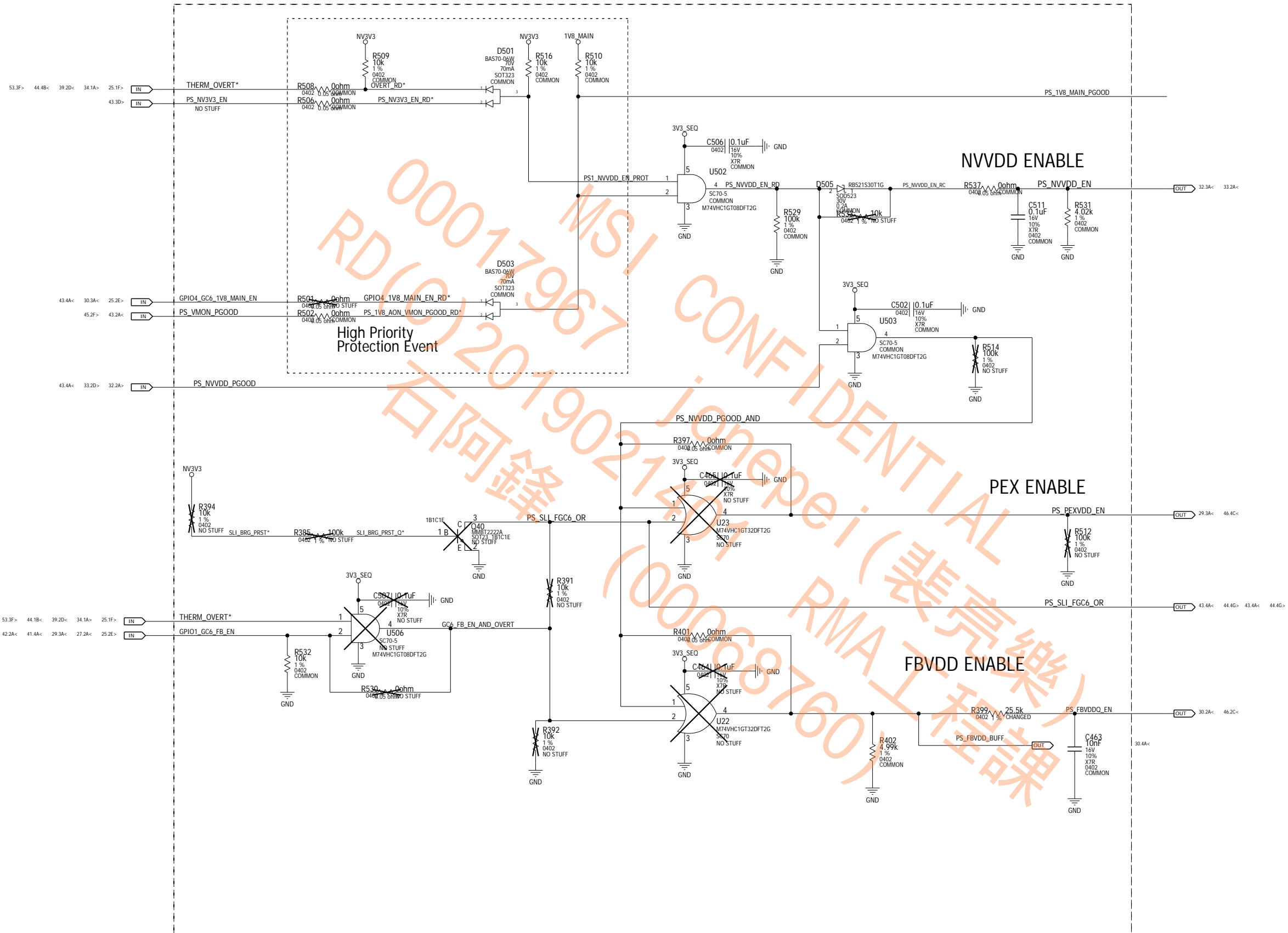
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42 OF 53

DATE


12-NOV-2018





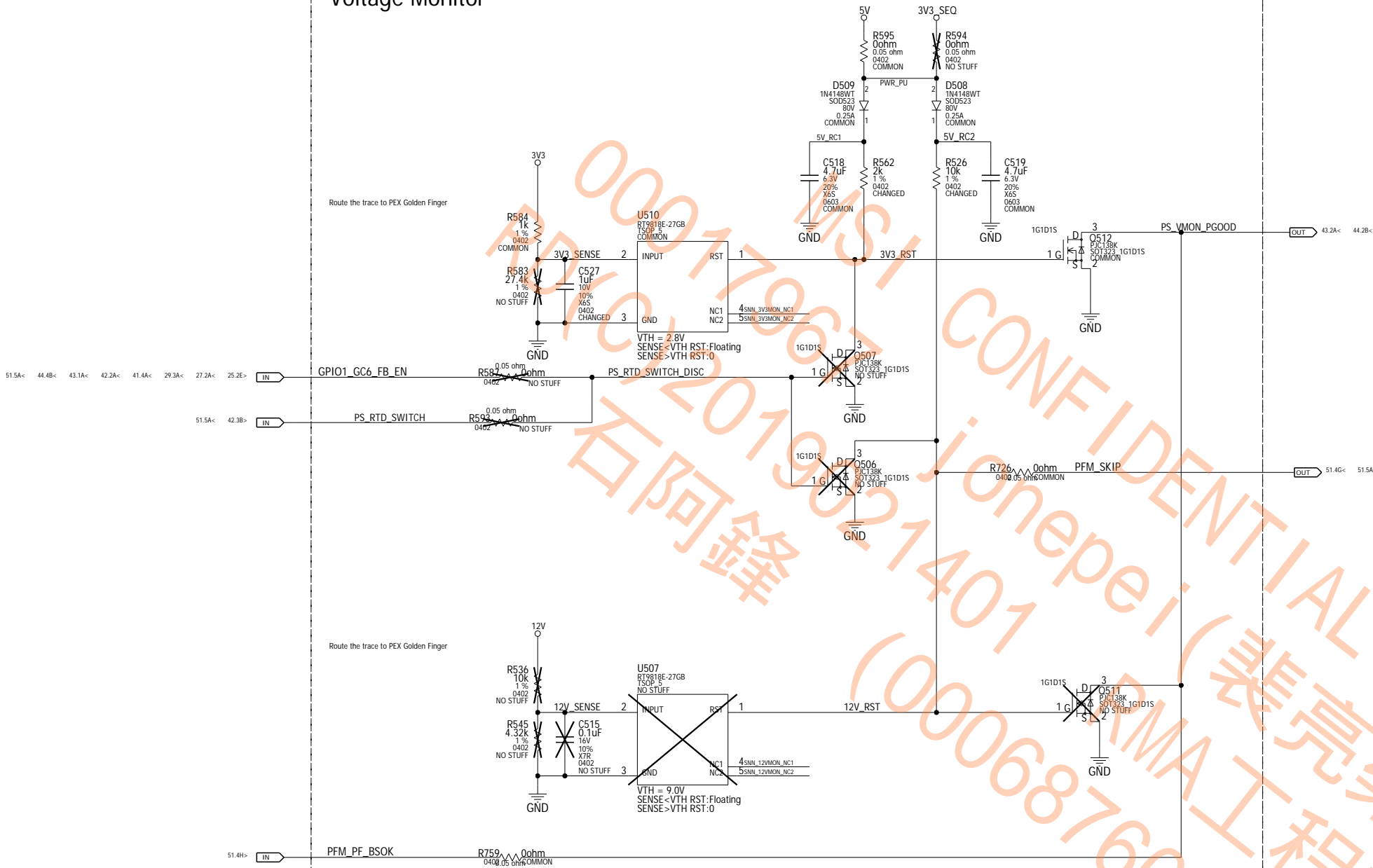
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PAGE DETAIL	SEQ: NV, PEX, FB ENABLE

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NV_PN		600-1G160-0042-QS3		
PCB REV	PG160-B03	PAGE	44 OF 53	
BOM REV	A	DATE	12-NOV-2018	



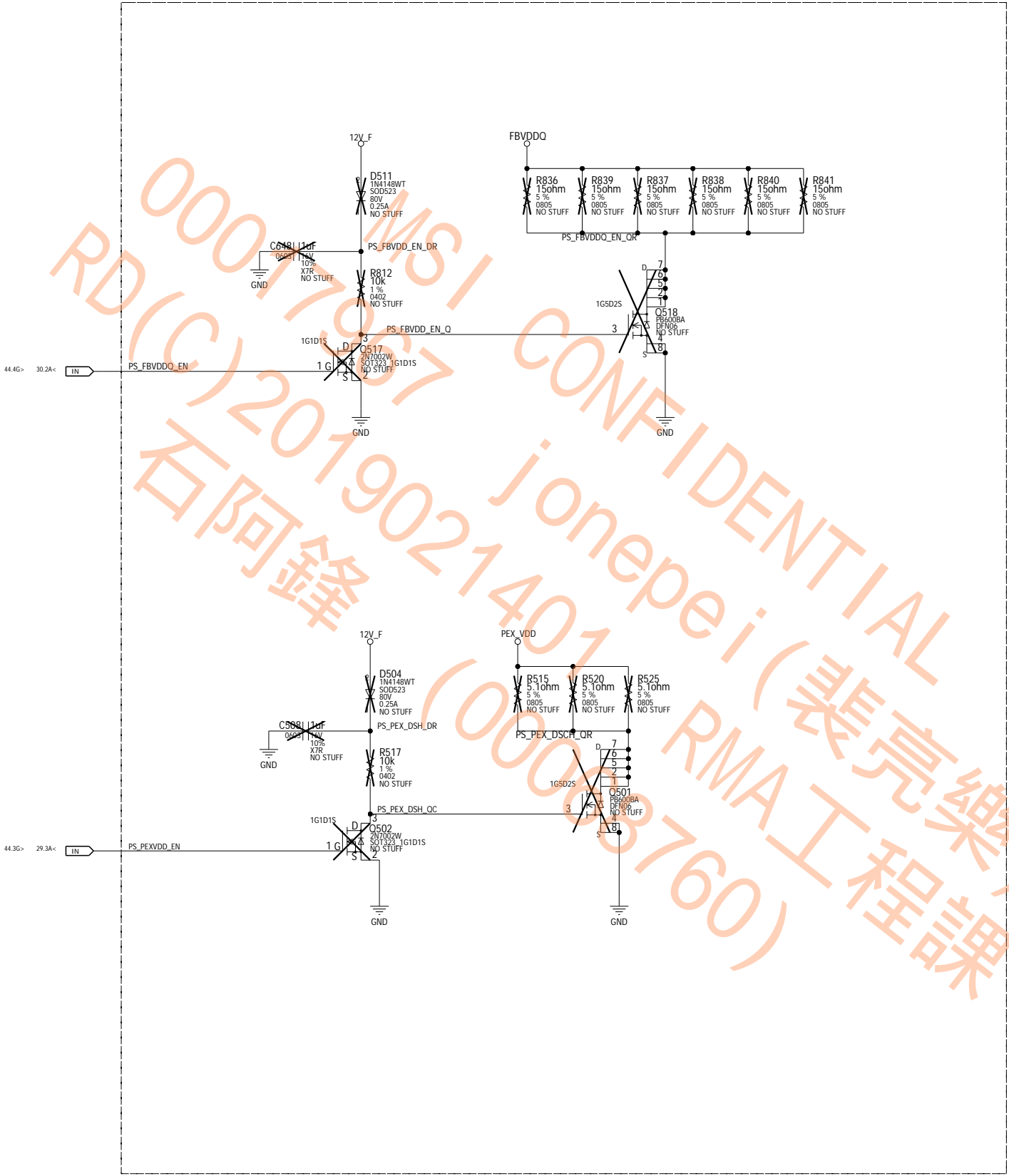
Voltage Monitor



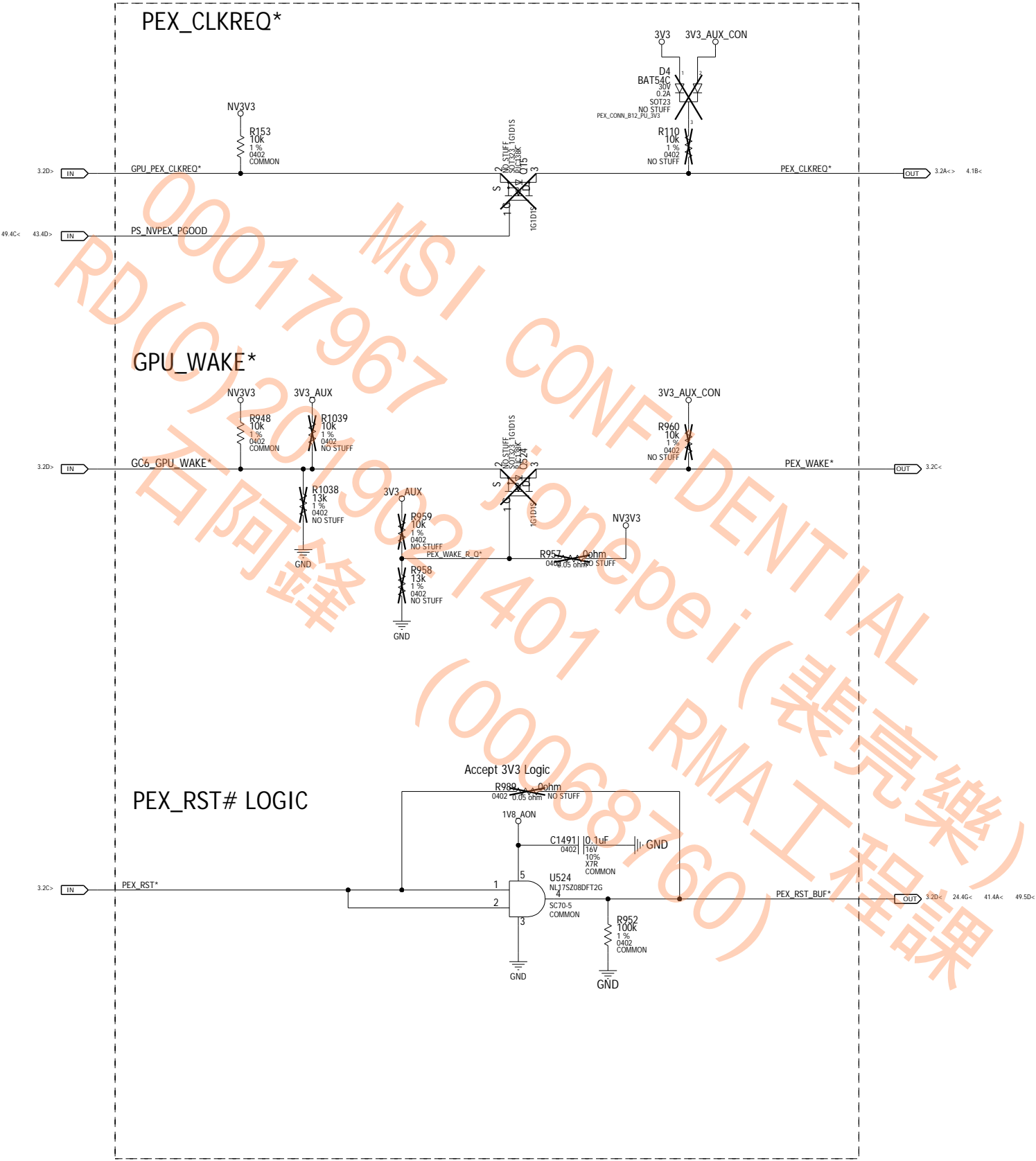
BOM Configuration

OPTIONS	PEX3V3_SENSE	PEX12V_SENSE	OTHER_12V_SENSE
Use Pre-Filter	Pre-Filter	Pre-Filter	Pre-Filter
Use INA3221	Voltage_Monitor	INA3221	INA3221
NO INA3221 NO Pre-Filter	Voltage_Monitor	Voltage_Monitor	N/A

Signal	Direction	Function
3V3	INPUT	Sense the 3V3 Voltage from PCIE golden finger
12V	INPUT	Sense the 12V Voltage from PCIE golden finger
PS_VMON_PGOOD	OPEN-DRAIN	Floating(H) once both 3V3 and 12V reach Vth
GC6_FB_EN	INPUT	Indicator for RTD3/GC6 residence,Use to Mask the VMON_PGOOD
PS_PF_SKIP	INPUT	From INA3221(VPU) or Pre-filter(SKIP)
PS_PF_BSOK	INPUT	From INA3221(PV) or Pre-filter(BS_OK)



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NV_PN	600-1G160-0042-QS3		
PCB REV	PG160-B03	PAGE	47 Of 53
BOM REV	A	DATE	12-NOV-2018

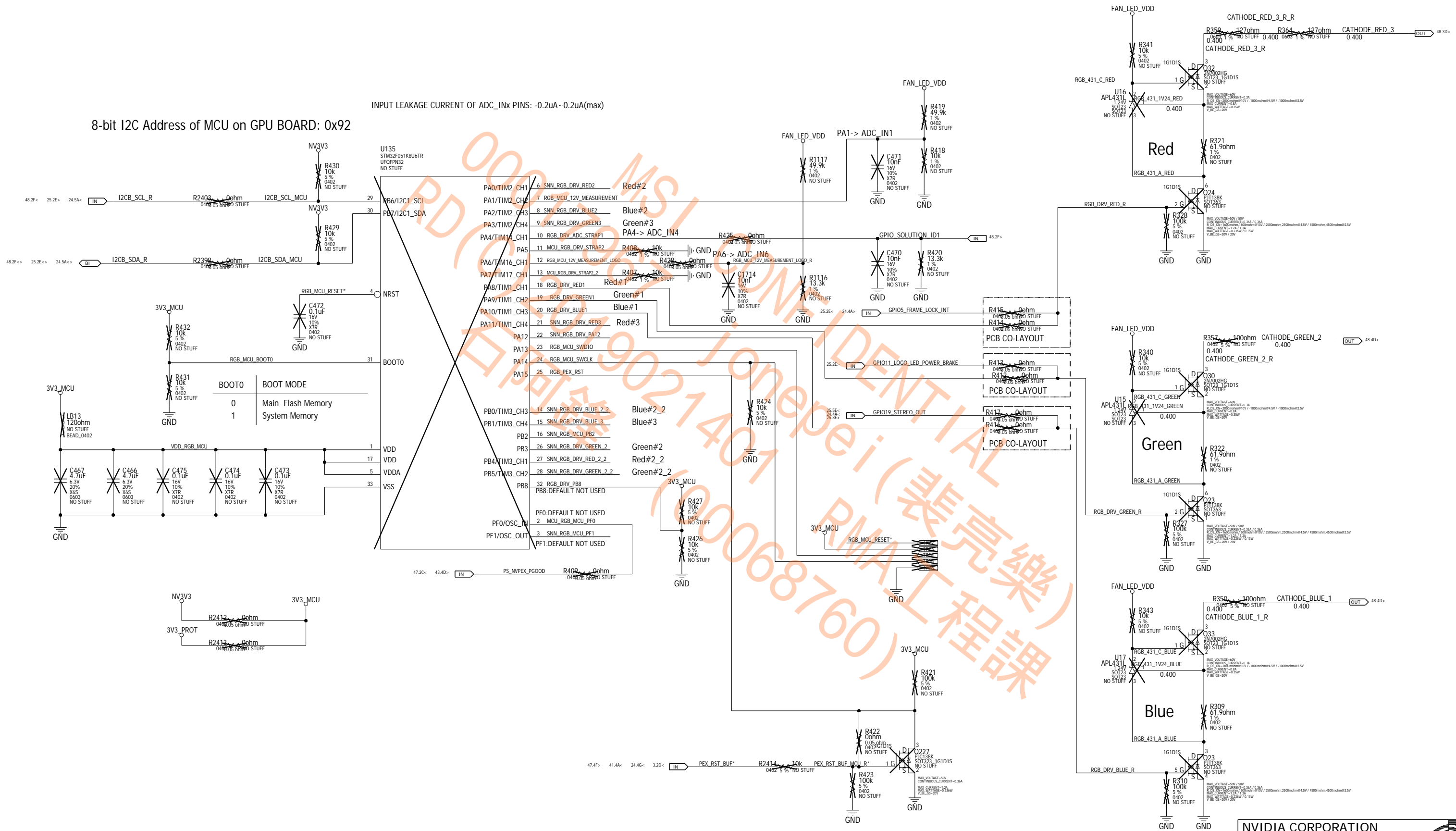
For ONE ZONE RGB/cable	
PIN SEQ	Pin Name
1	ID3
2	ID2
3	ID1
4	DRIVE3/R
5	DRIVE2/G
6	DRIVE1/B
7	12V
8	12V
9	FAN_PWM1
10	GND
11	FAN_TACH1
12	FAN_TACH2
13	GND
14	FAN_PWM2
15	12V


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ASSEMBLY	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL
PAGE DETAIL	LOGO LED

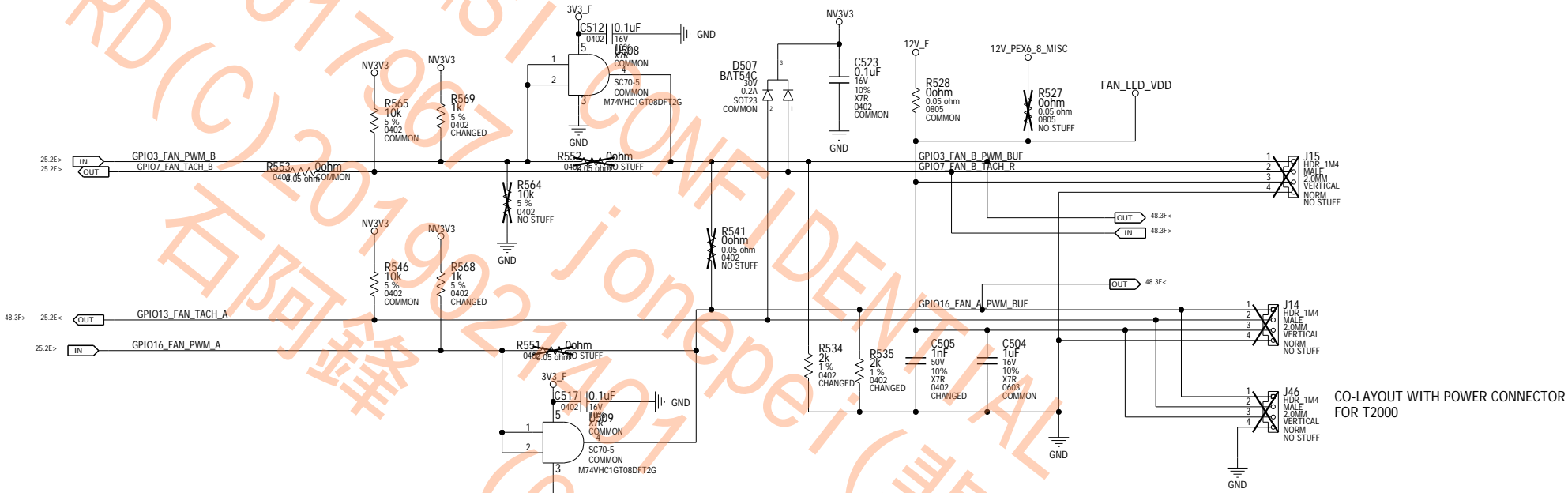
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NV_PN	600-1G160-0042-QS3		
PCB REV	PG160-B03	PAGE	48 OF 53
BOM REV	A	DATE	12-NOV-2018

Page49: LED DRIVER & Boost

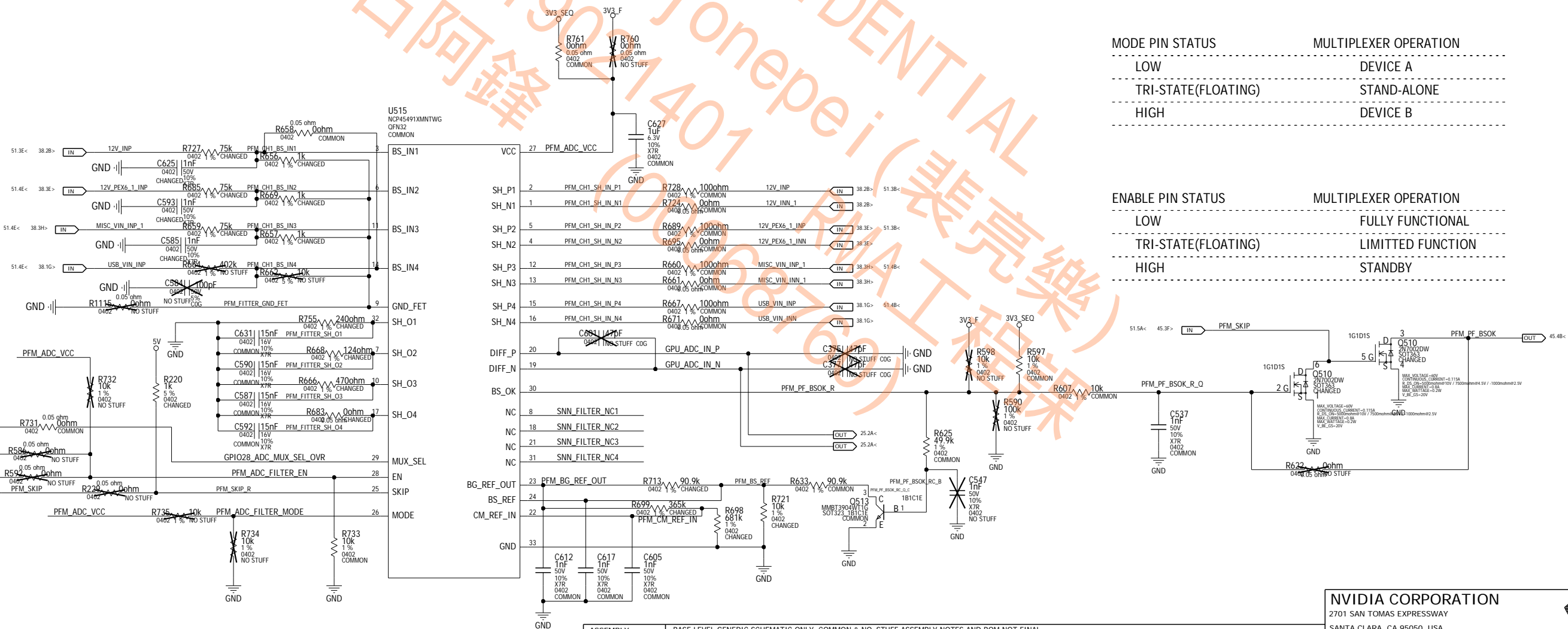


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PCB REV	PG160-B03	PAGE	49 OF 53
BOM REV	A	DATE	12-NOV-2018

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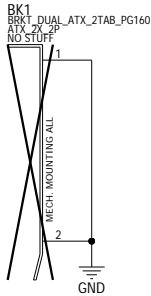


MODE PIN STATUS	MULTIPLEXER OPERATION
LOW	DEVICE A
TRI-STATE(FLOATING)	STAND-ALONE
HIGH	DEVICE B

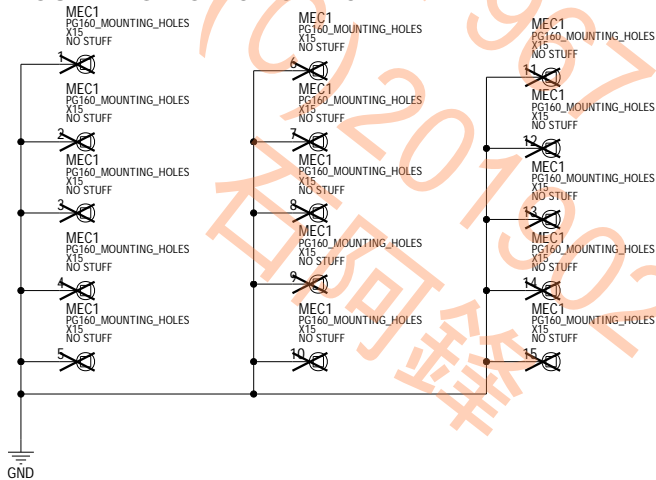
ENABLE PIN STATUS	MULTIPLEXER OPERATION
LOW	FULLY FUNCTIONAL
TRI-STATE(FLOATING)	LIMITTED FUNCTION
HIGH	STANDBY

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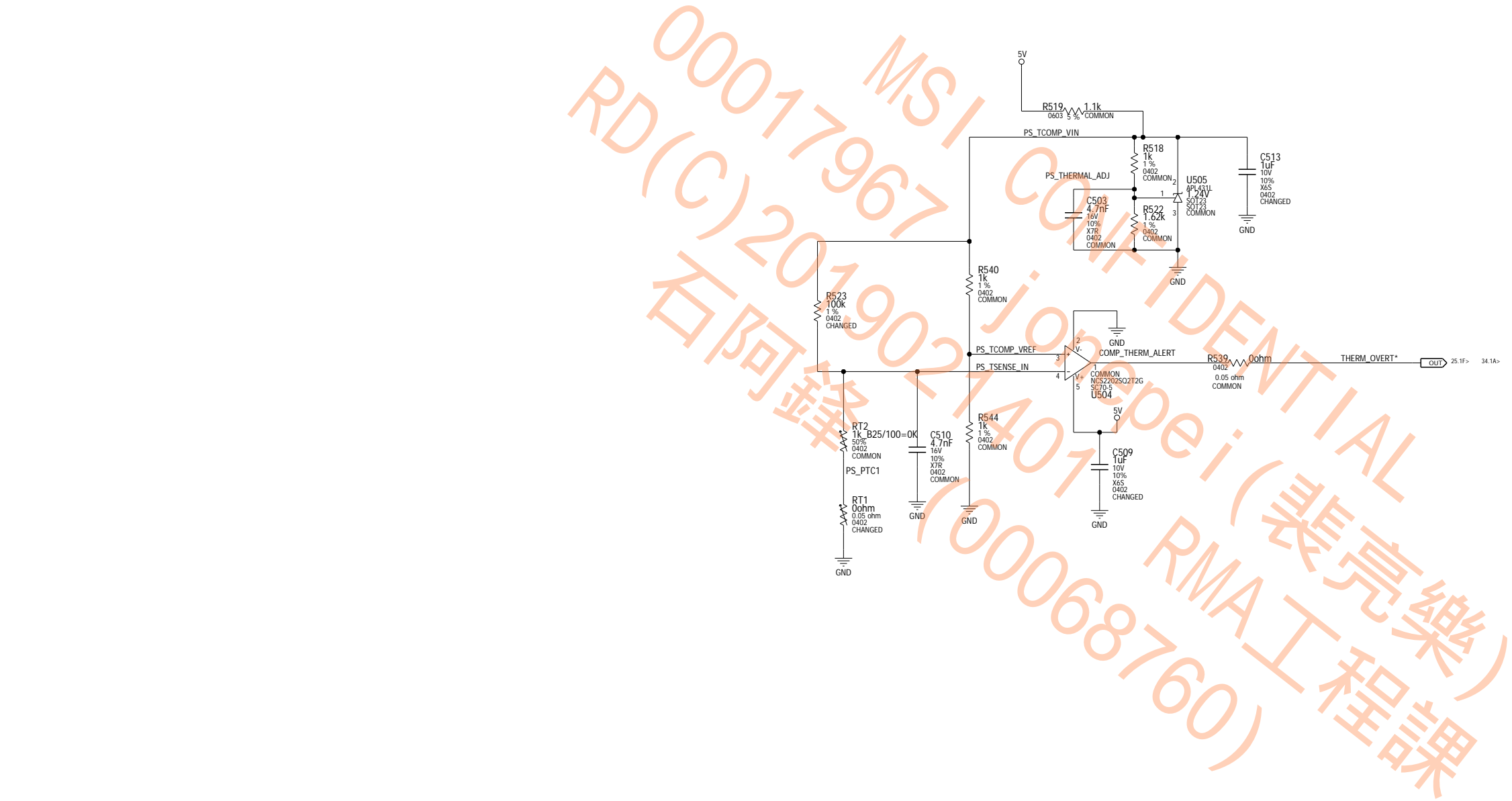
Brackets:



MOUNTING HOLES FOR HS:



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