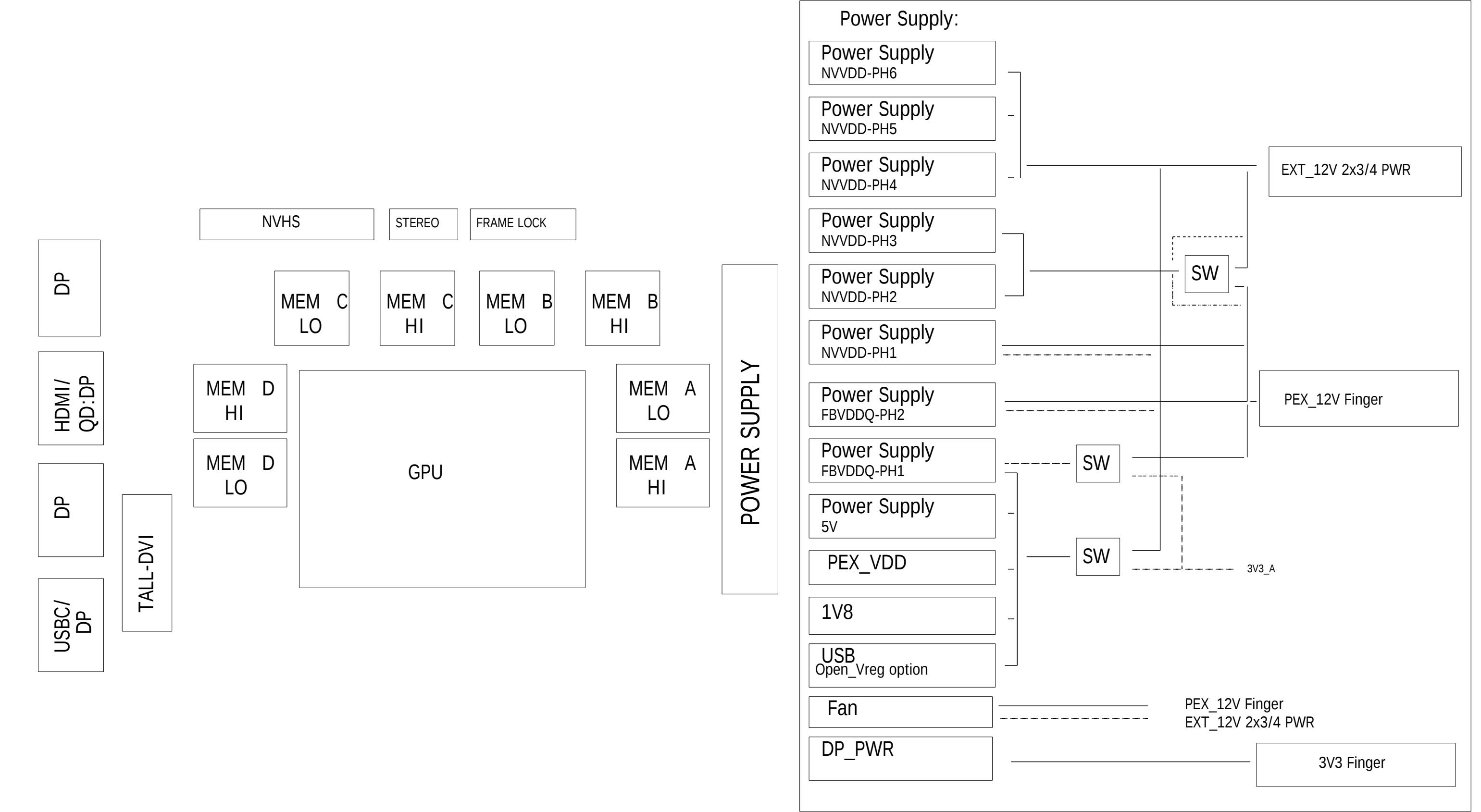
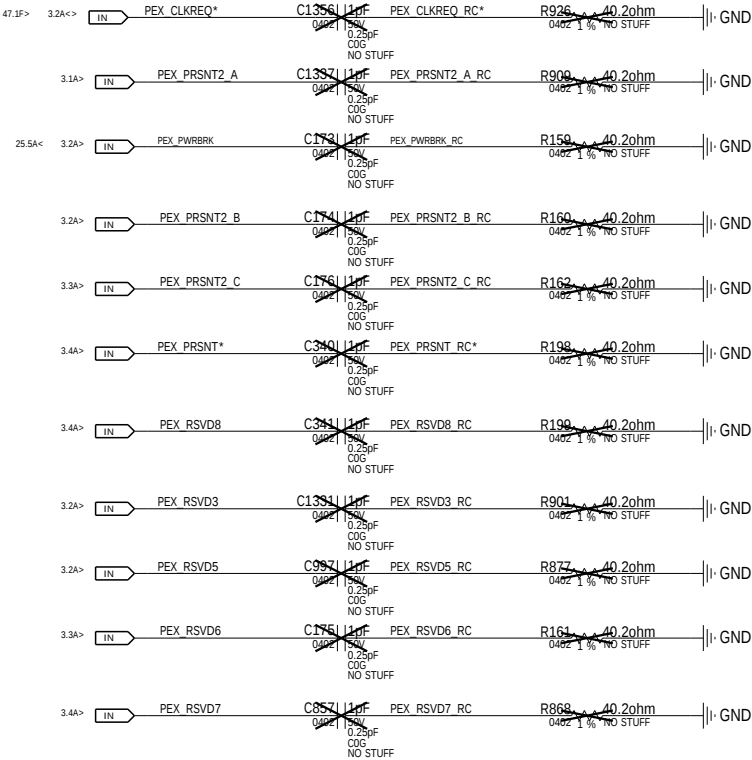


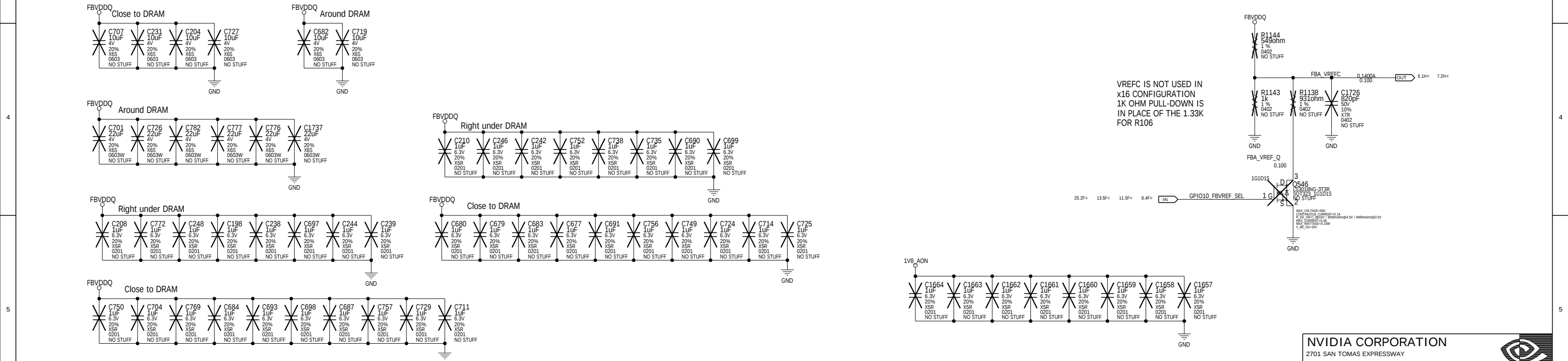
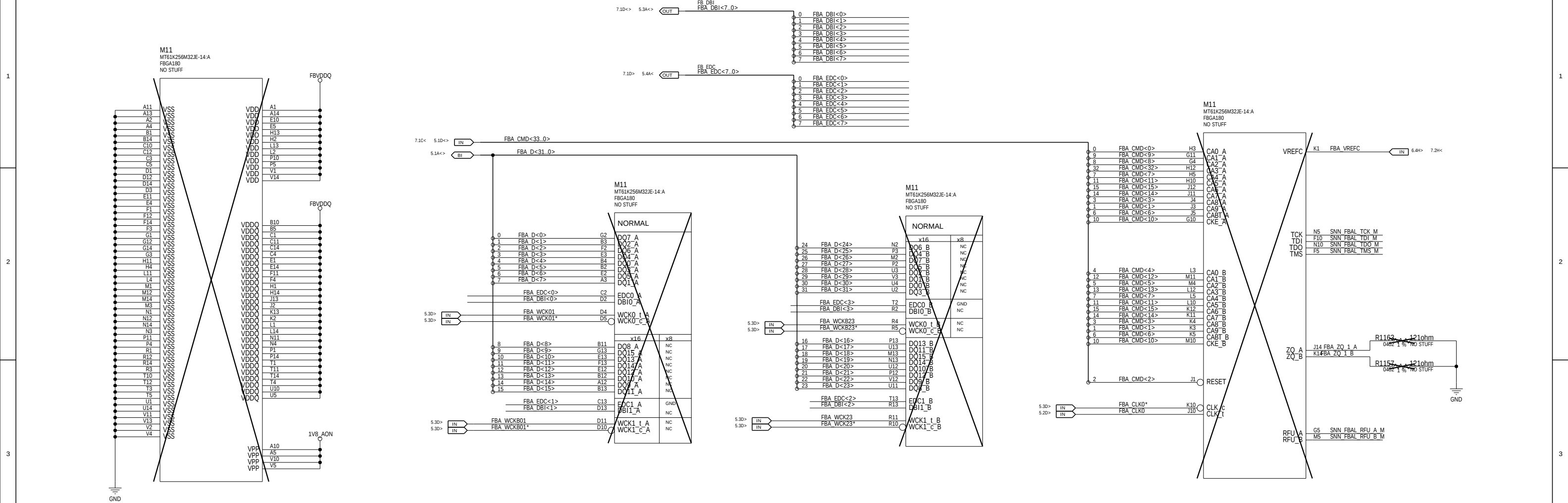
Page2: Block Diagram



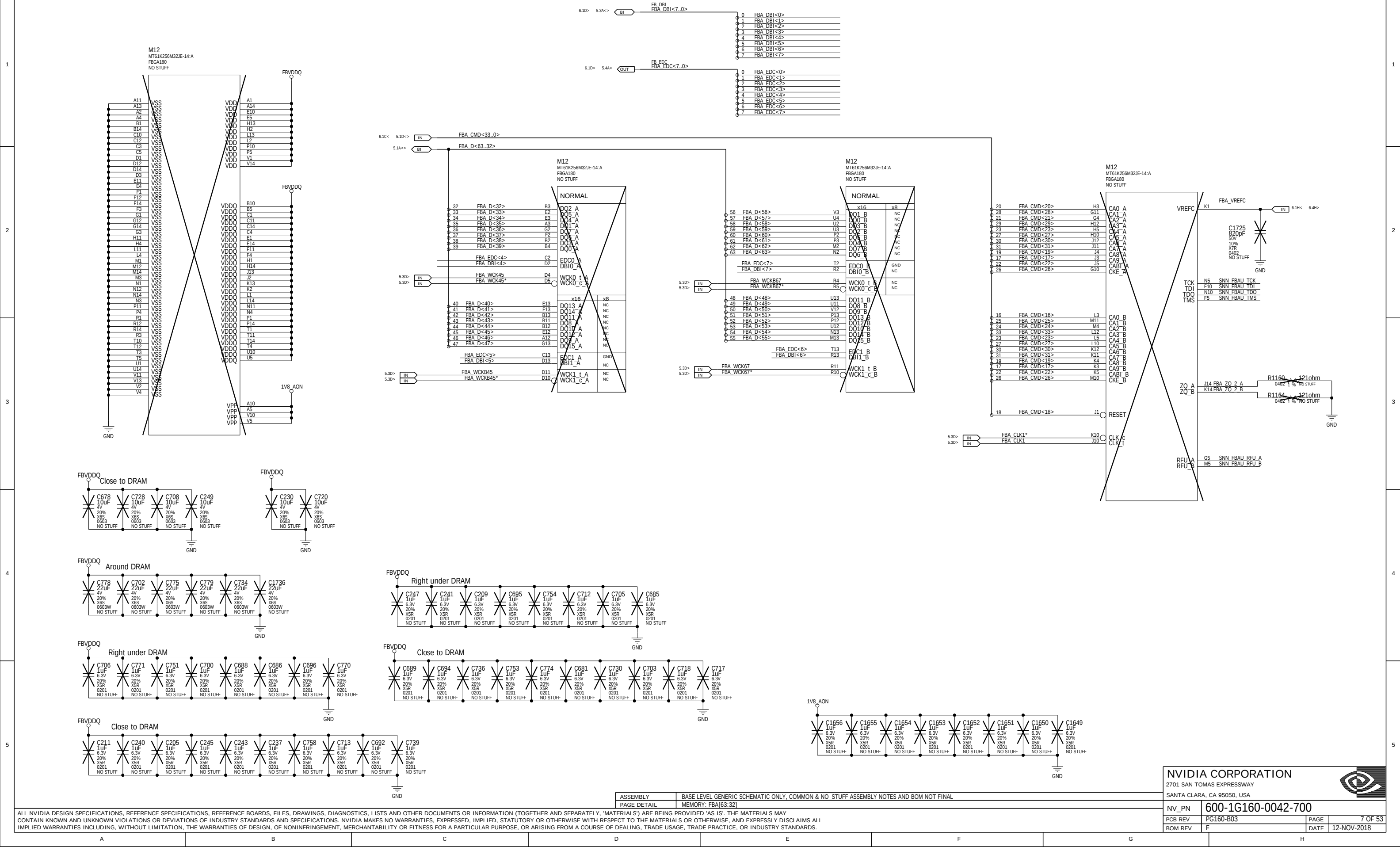
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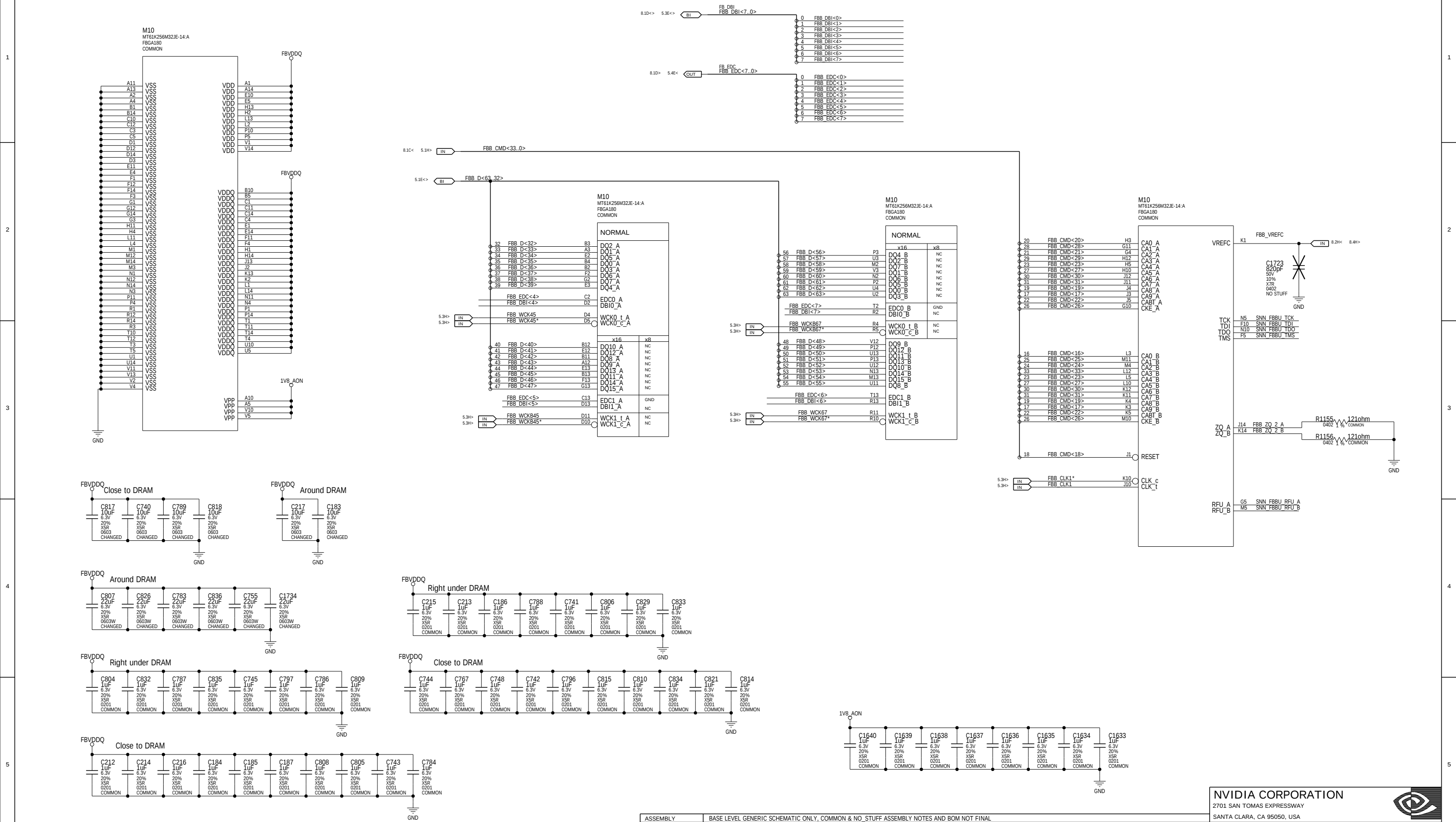
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PAGE

7 OF 53

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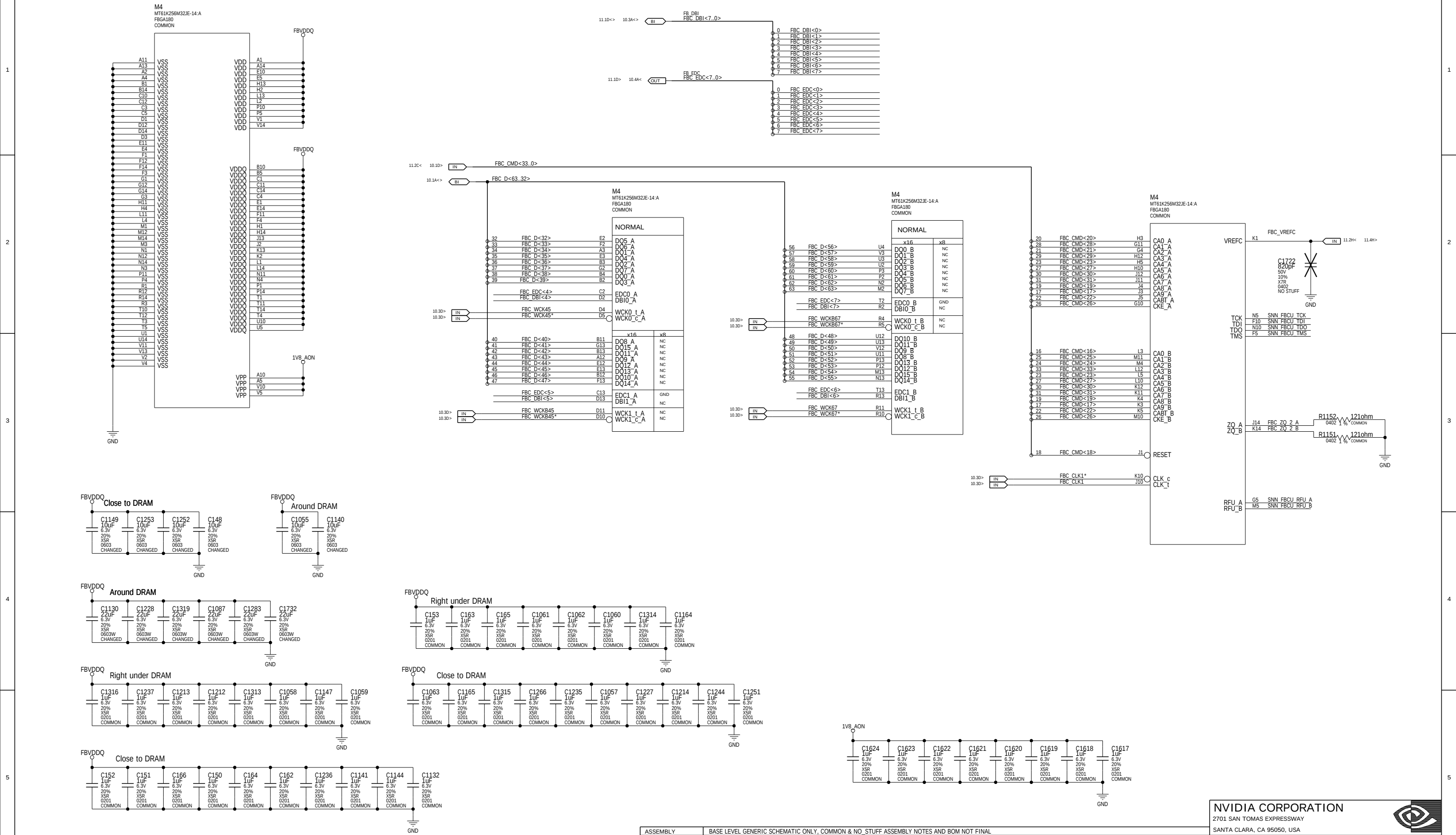
PAGE

9 OF 53

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Page12: MEMORY: FBC Partition 63..32



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PAGE

12 OF 53

DATE

12-NOV-2018

Page16: GPU Decoupling 1

FBVDDQ

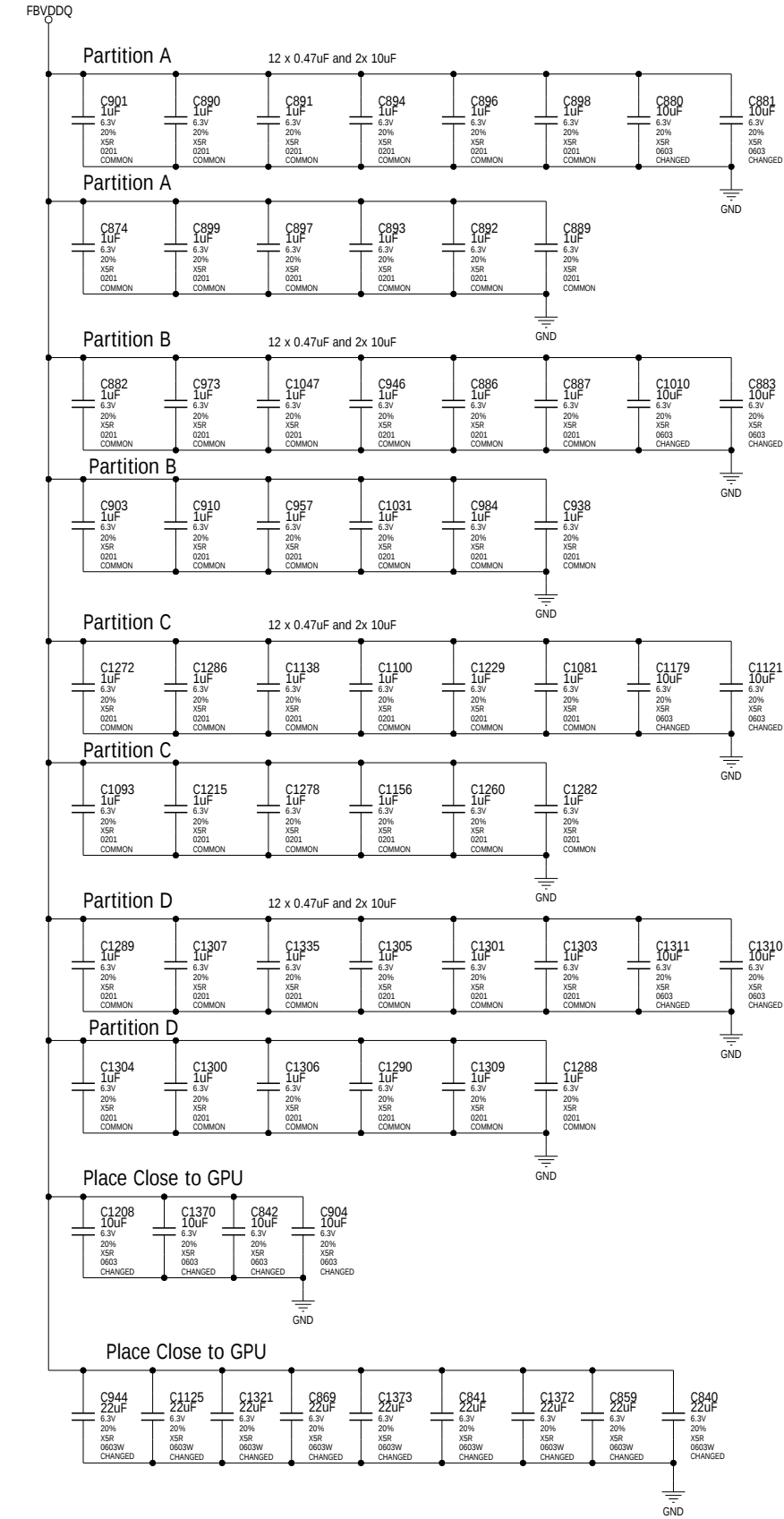
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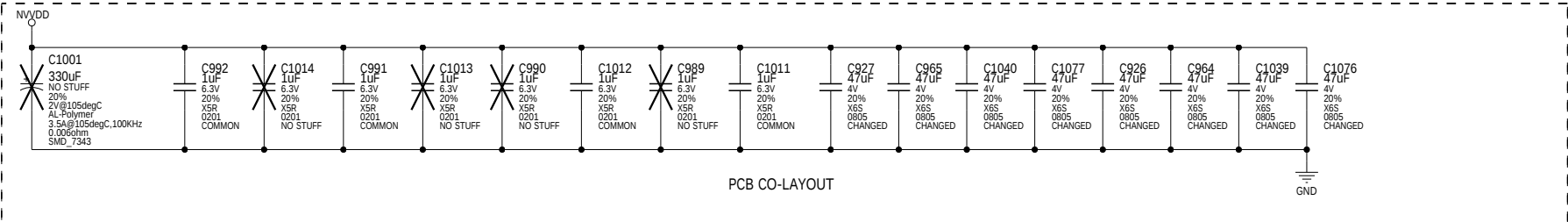
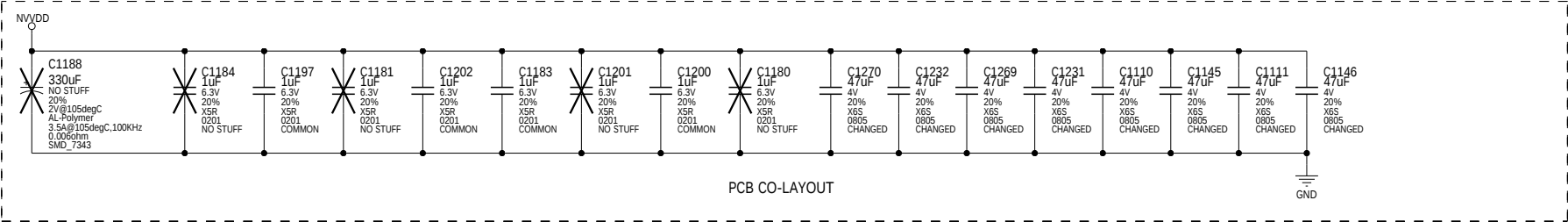
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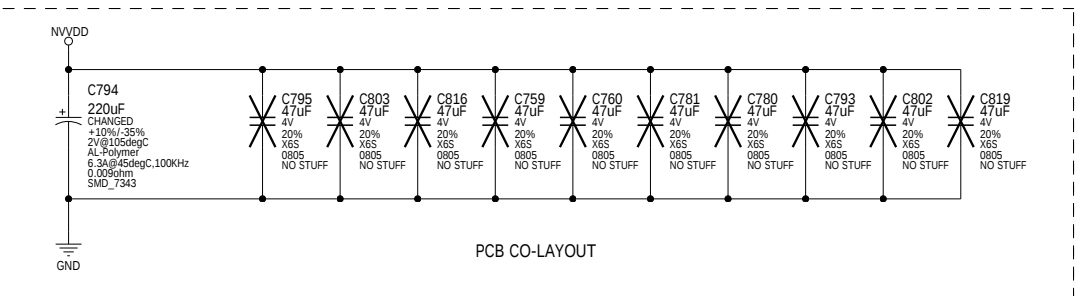
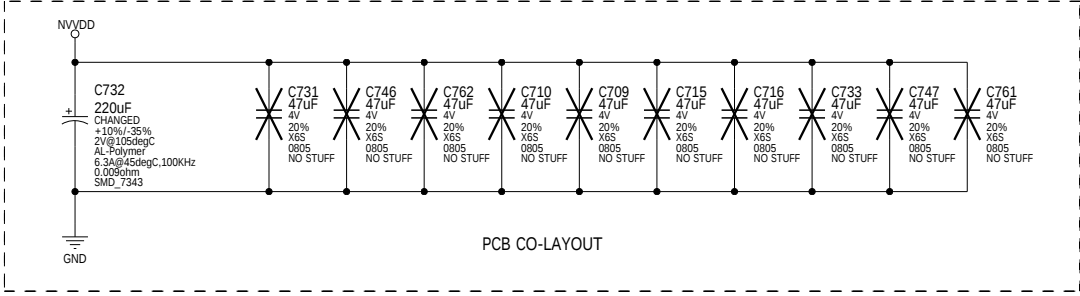
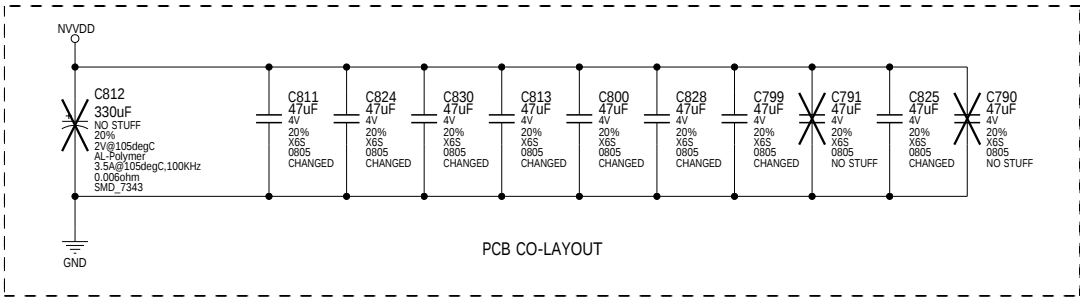
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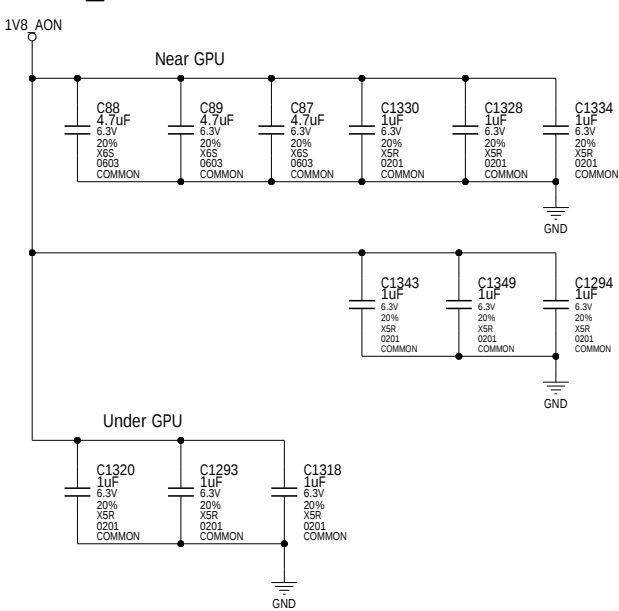
Under GPU



Near GPU



1V8_AON



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PAGE 16 OF 53

DATE 12-NOV-2018

Page17: GPU Decoupling 2

NVVDD



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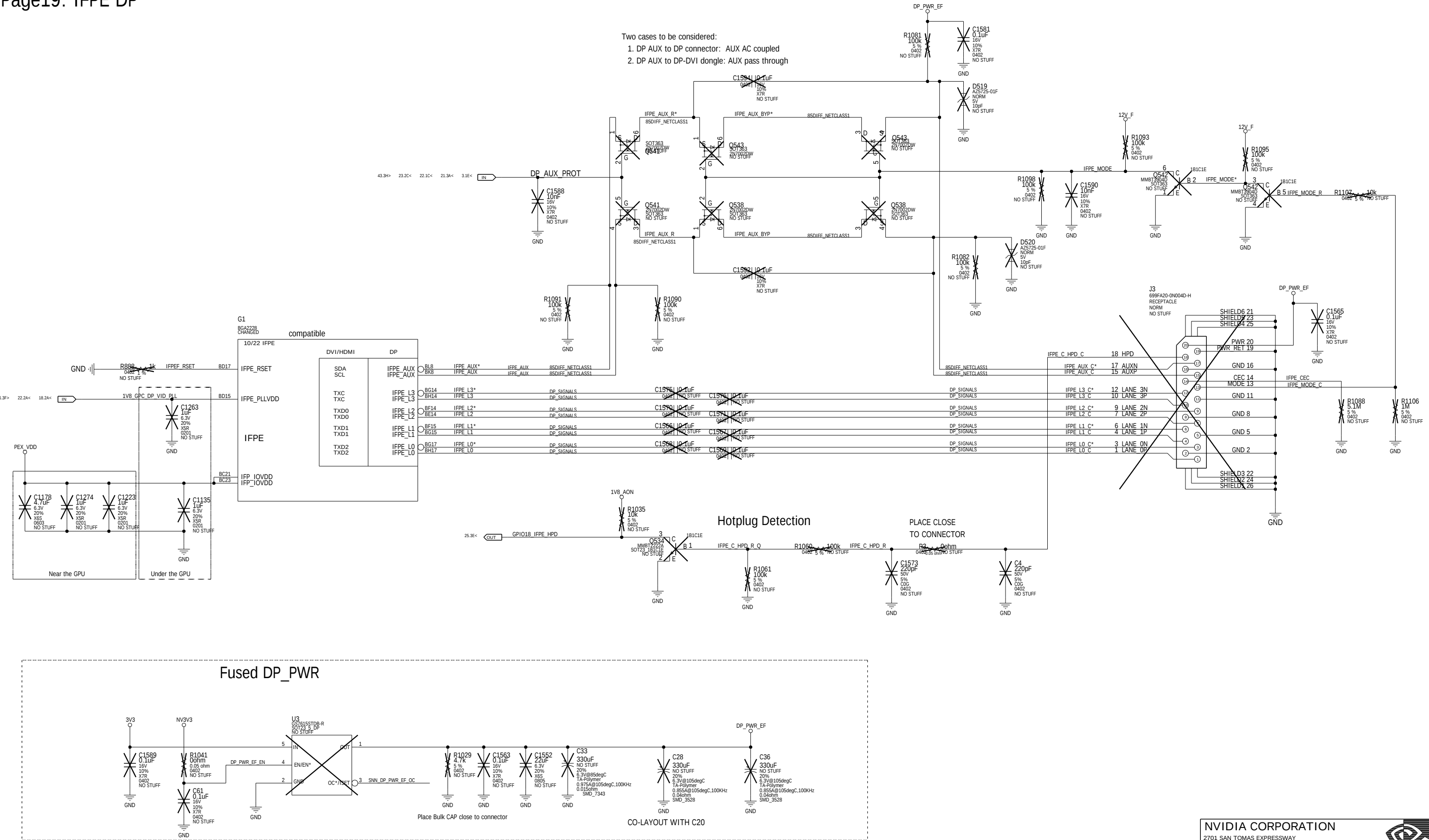
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17 OF 53

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

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	1
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

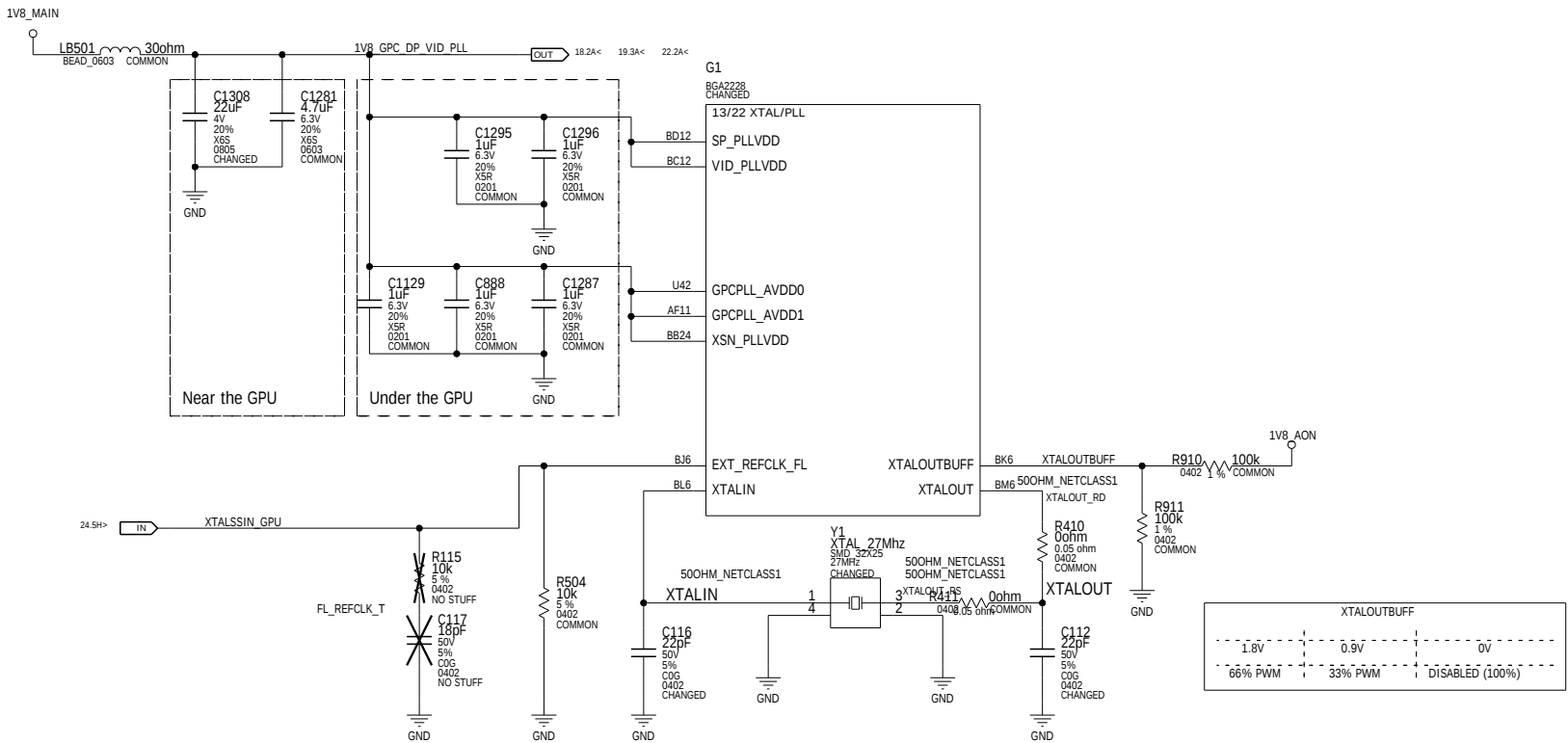
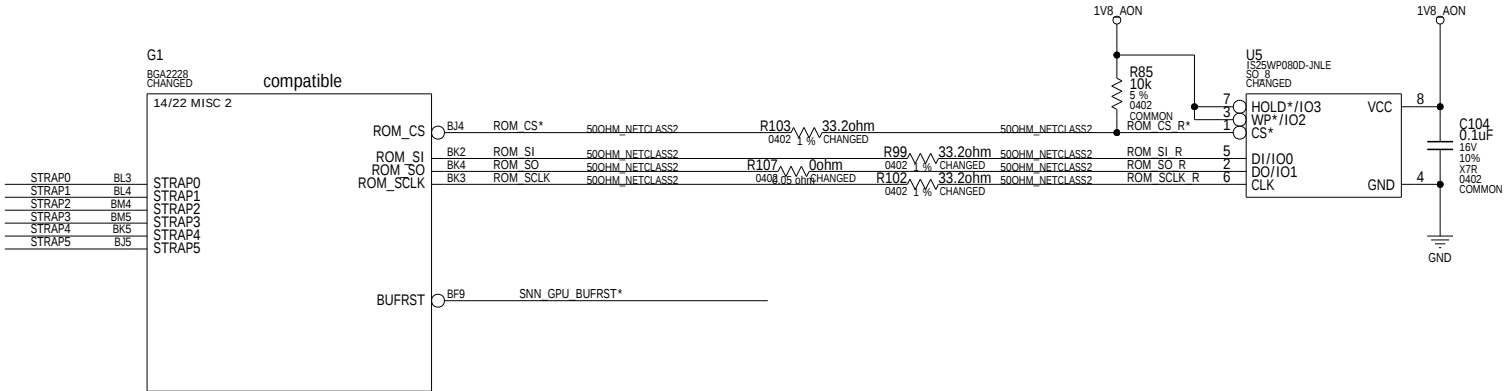
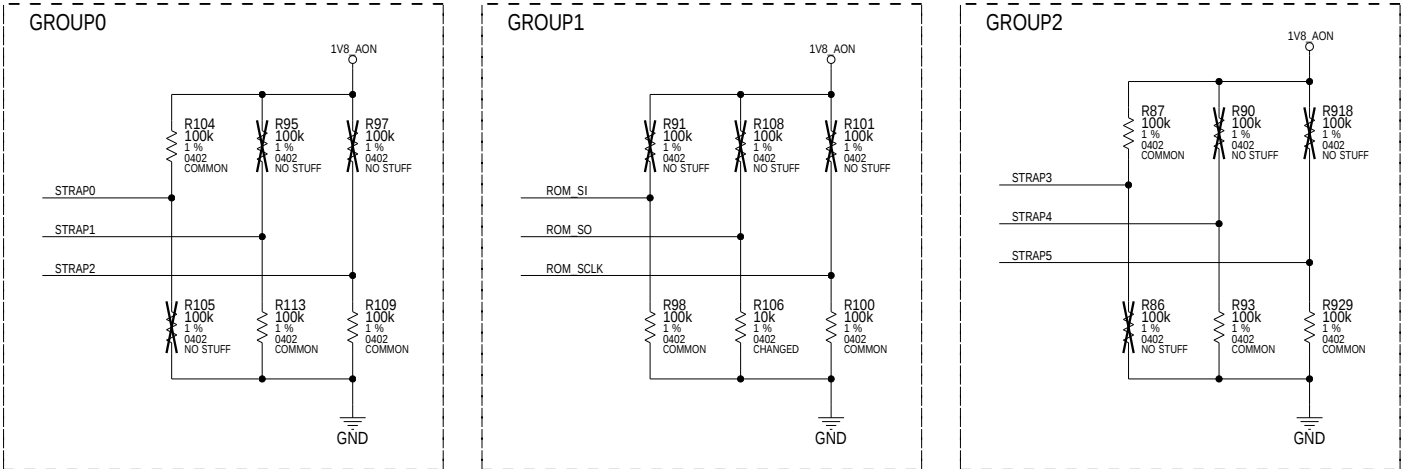
H=High :Tied to 1.8V
M=Middle:Tied to 0.9V
L=Low :Tied to 0V

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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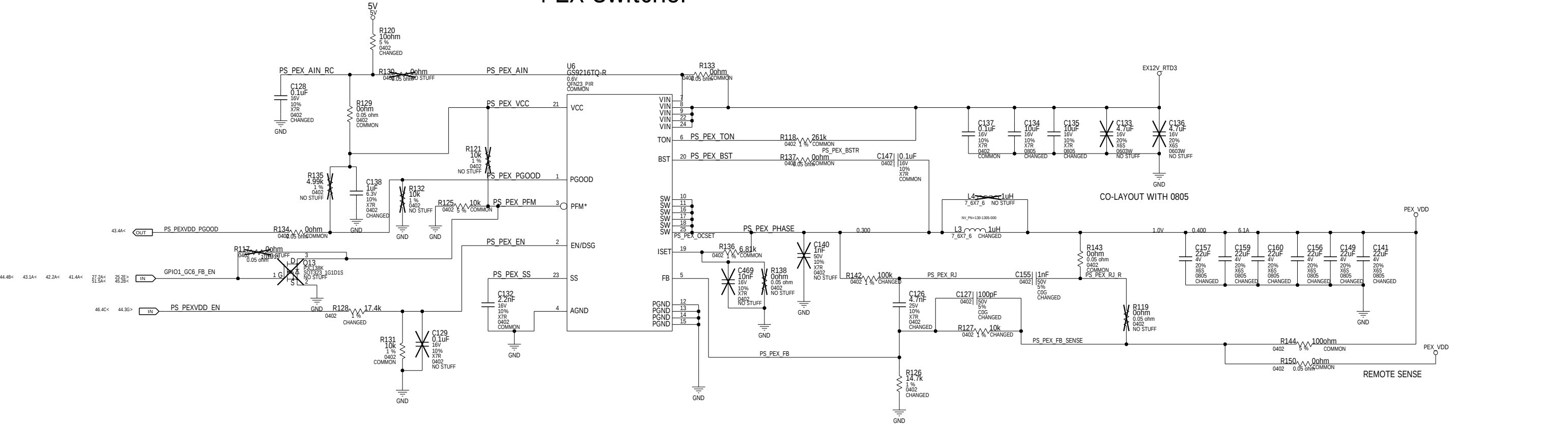
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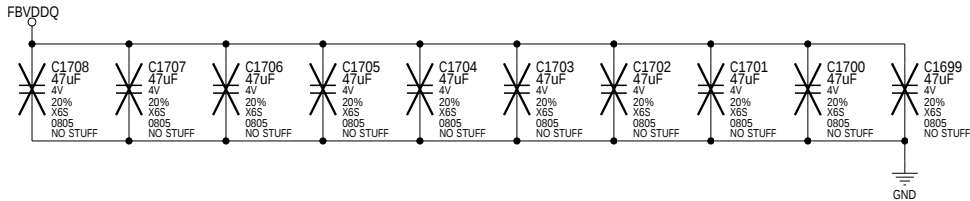
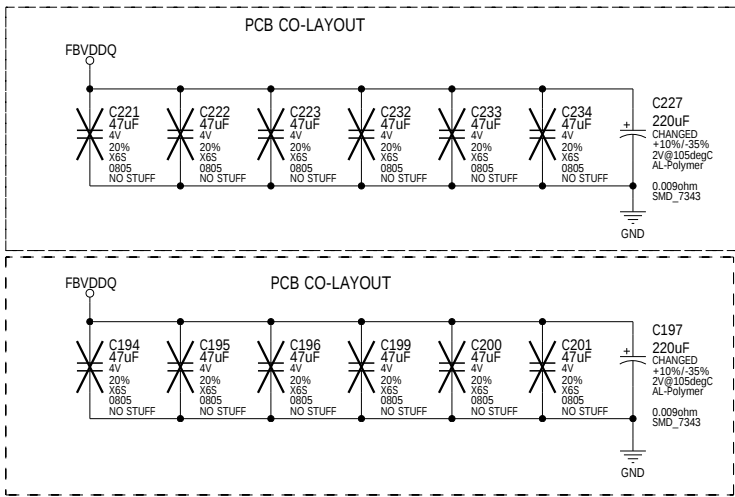
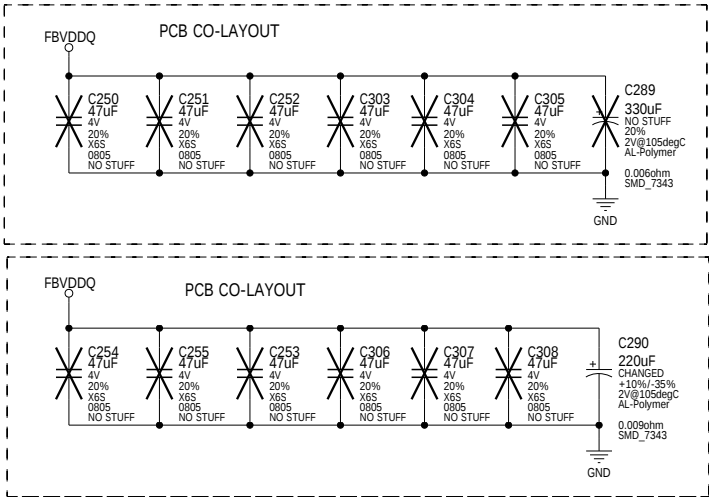
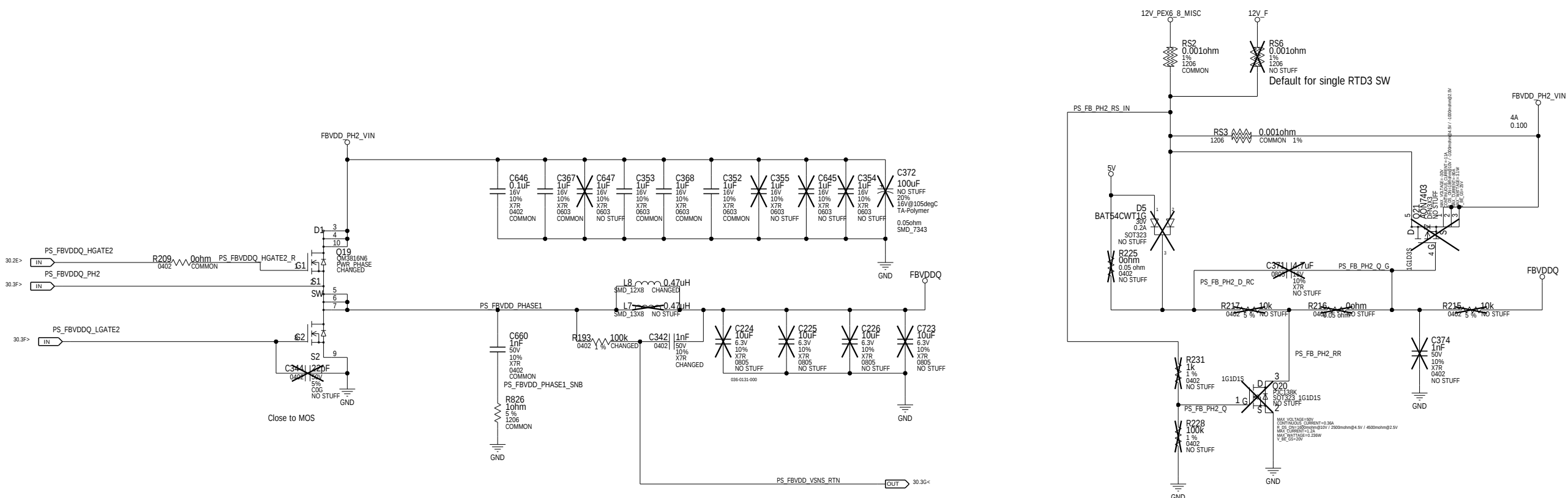
26 OF 53

12-NOV-2018

PEX Switcher

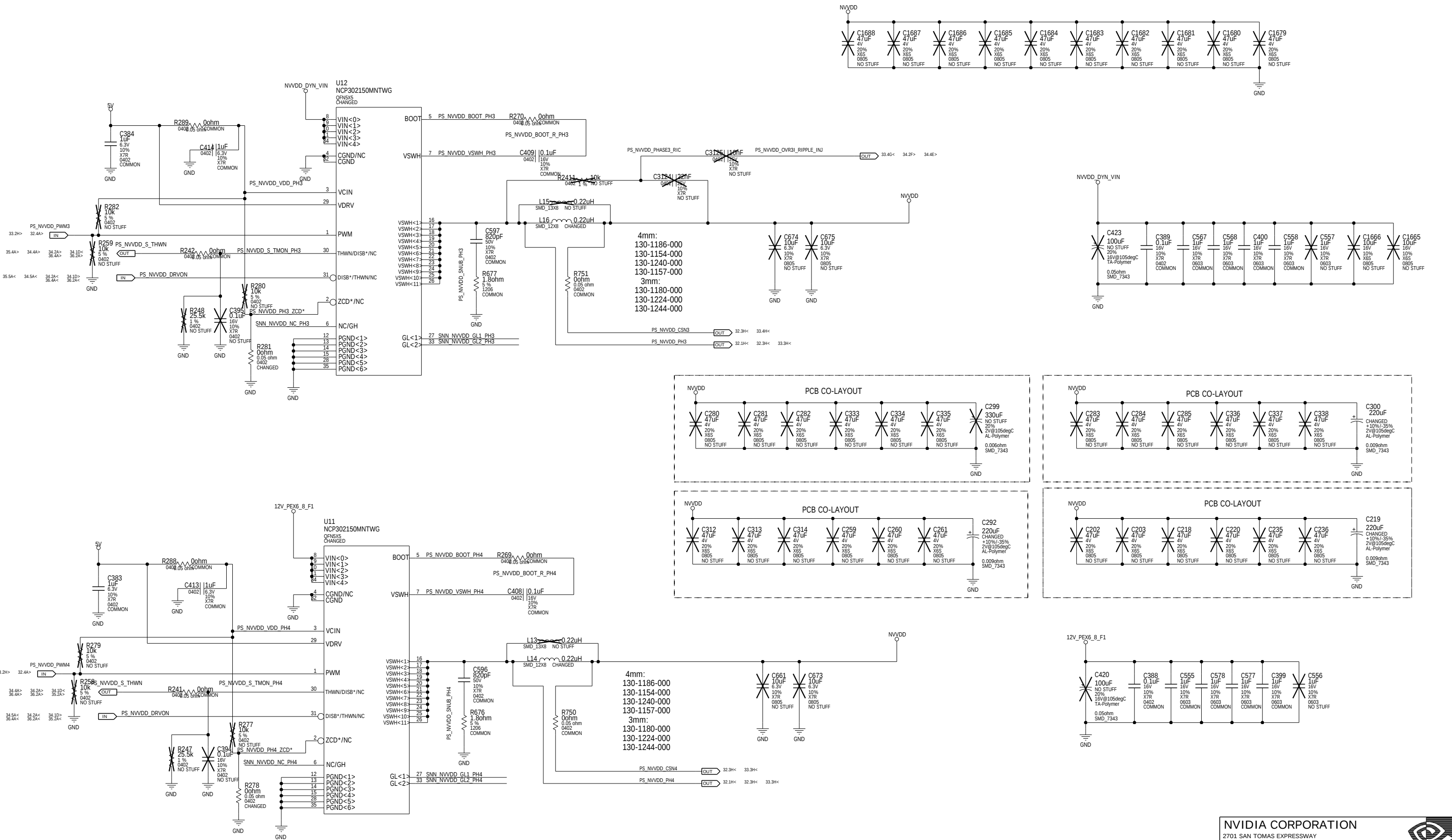


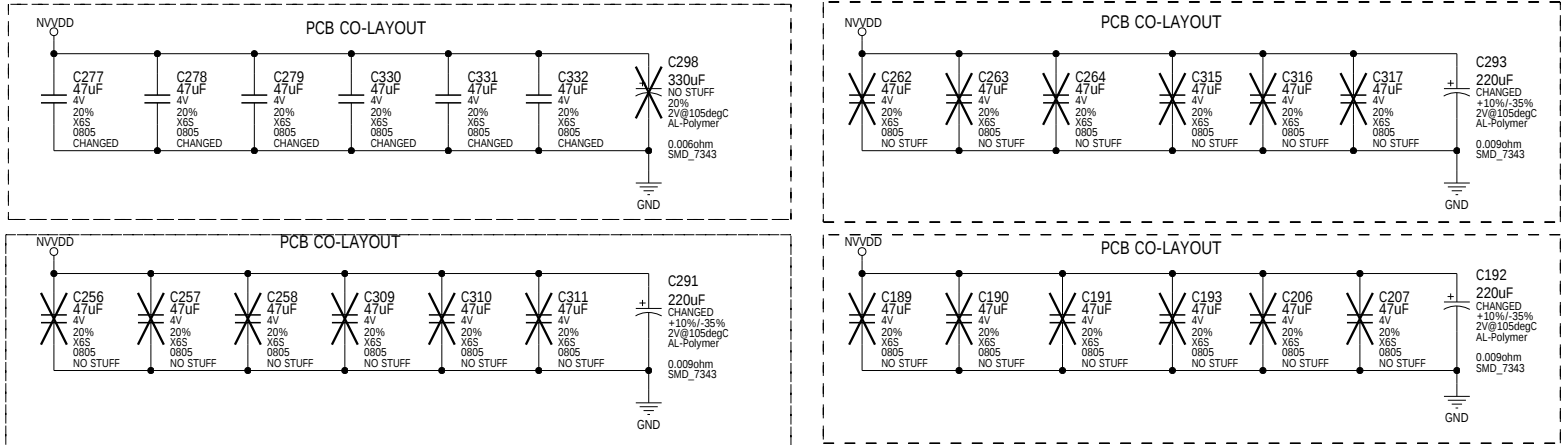
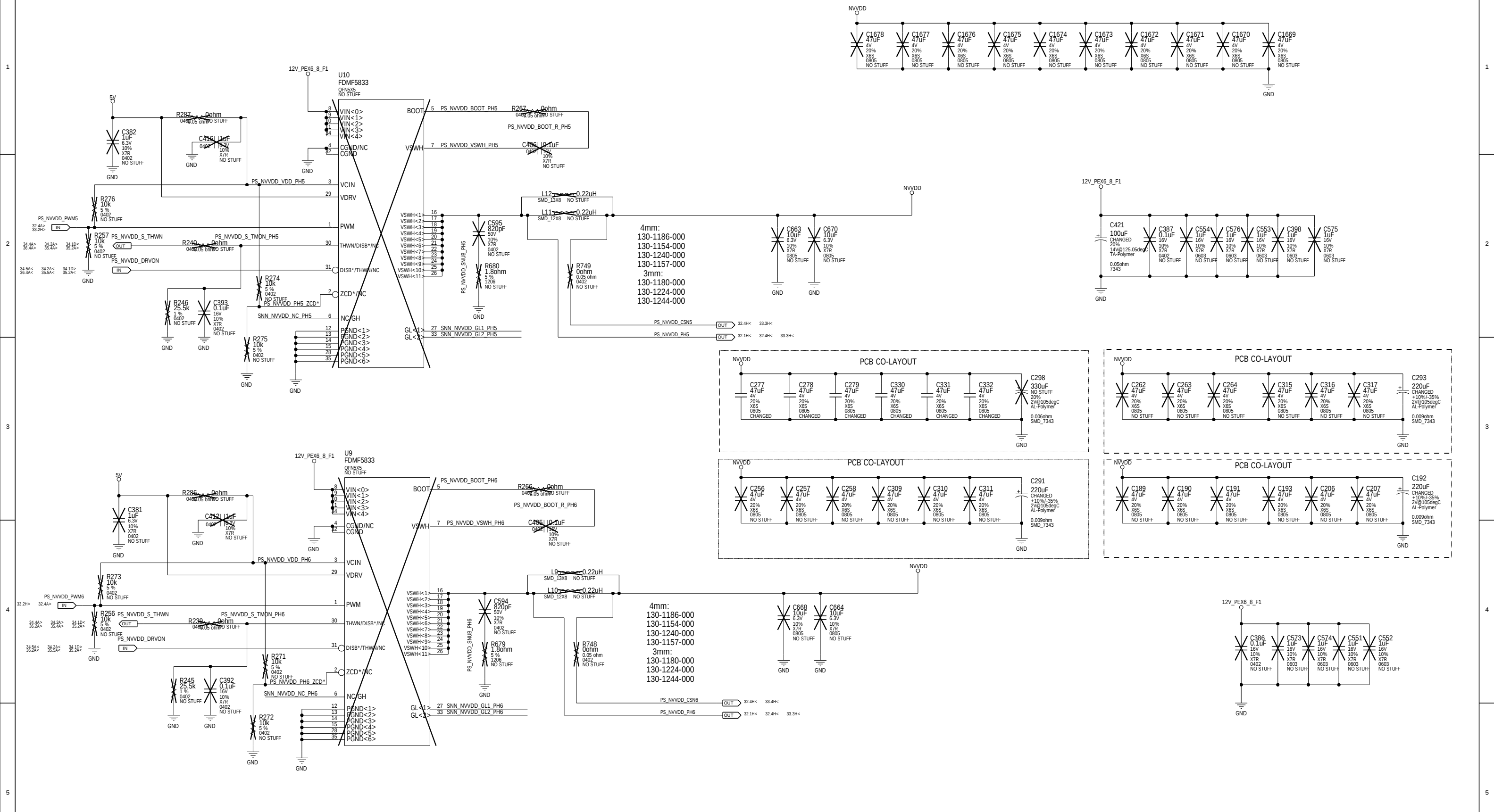
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PCB REV	PG160-B03	PAGE	31 OF 53
BOM REV	F	DATE	12-NOV-2018





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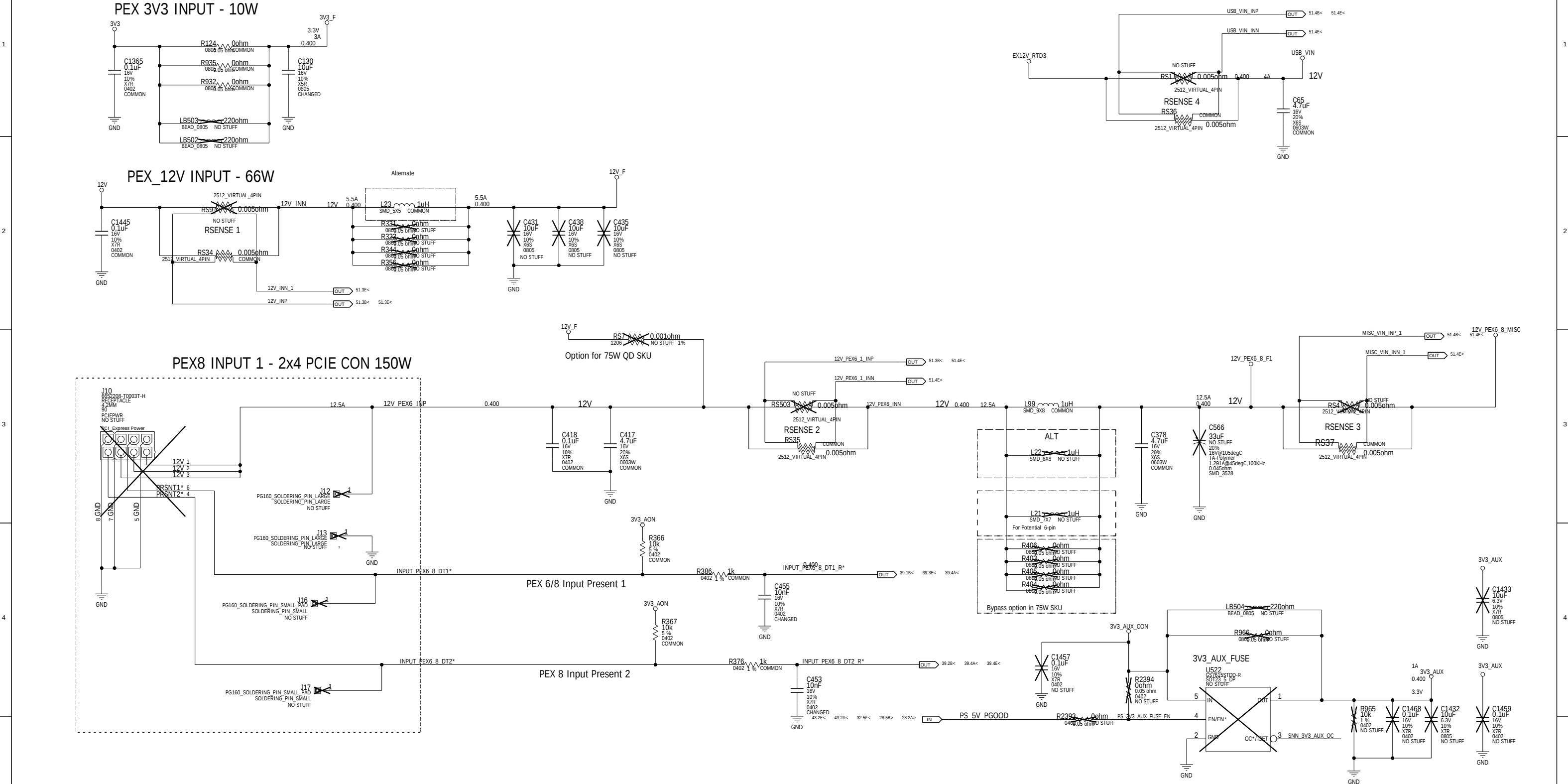
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PAGE

36 OF 53

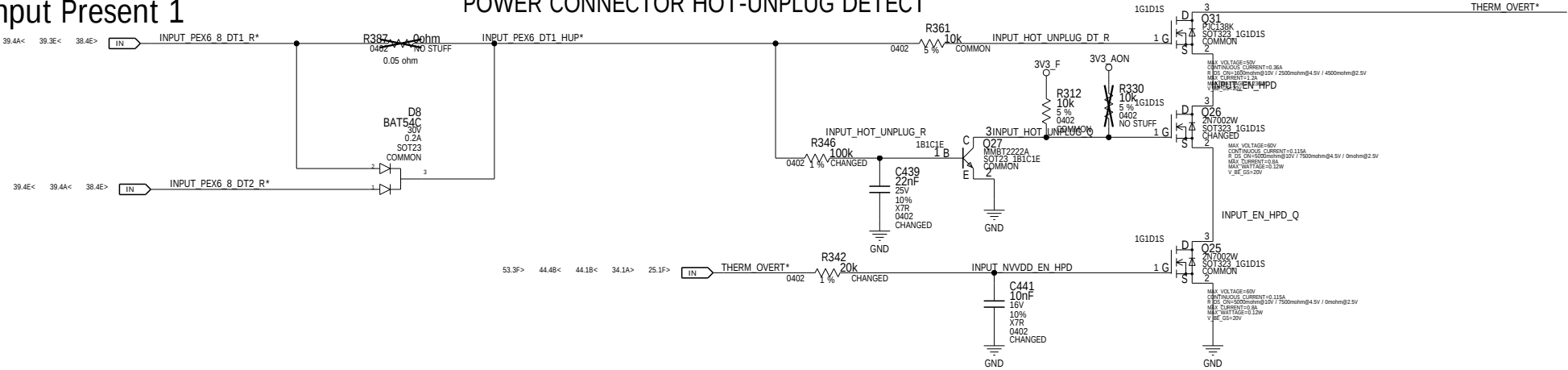
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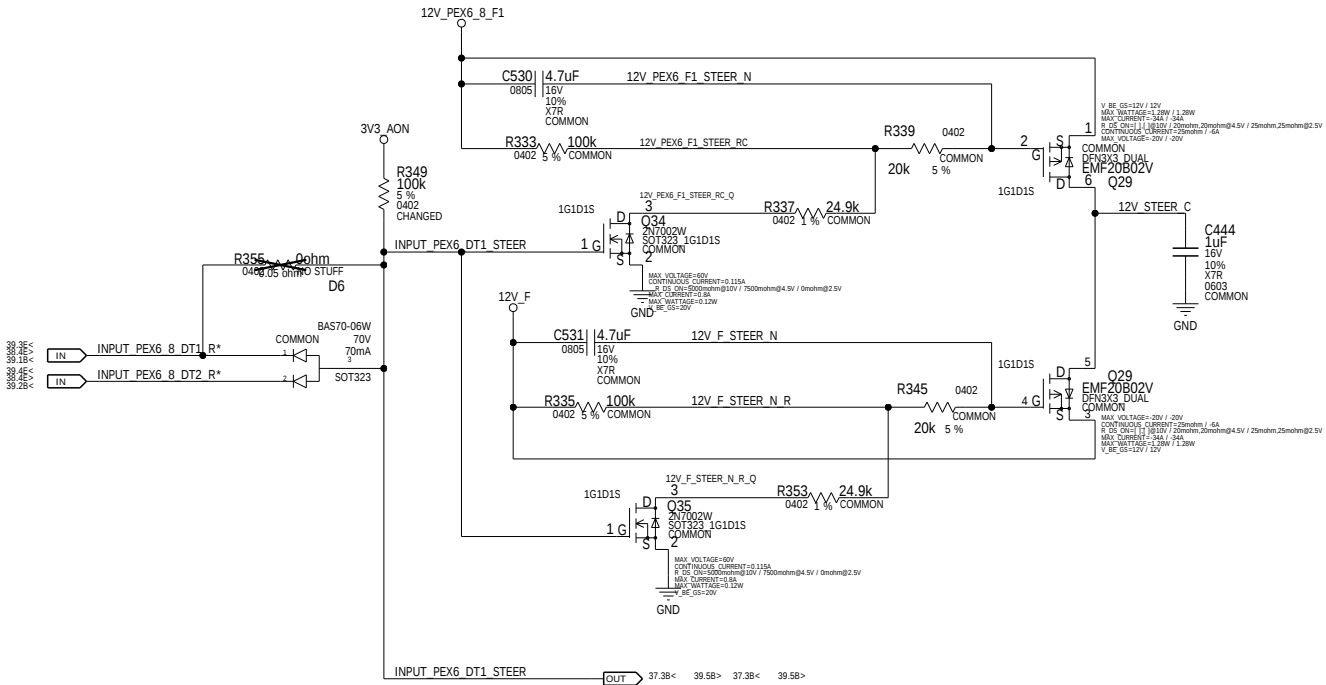
PEX Input Present 1

POWER CONNECTOR HOT-UNPLUG DETECT

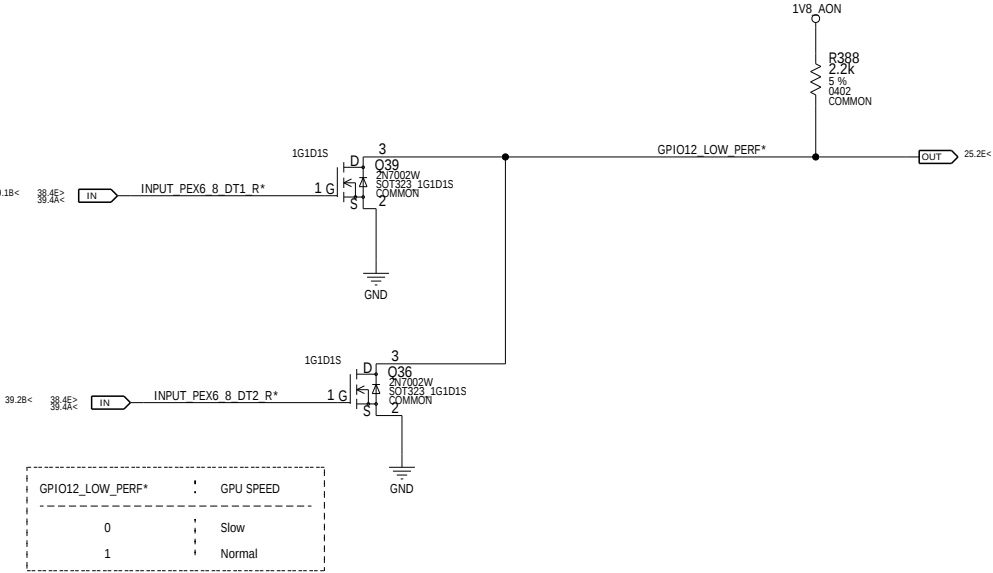


12V CURRENT STEERING (UNDER POWER BOOT):

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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ASSEMBLY

BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL

PAGE DETAIL

PS: STEERING, UPB & HOT-UNPLUG

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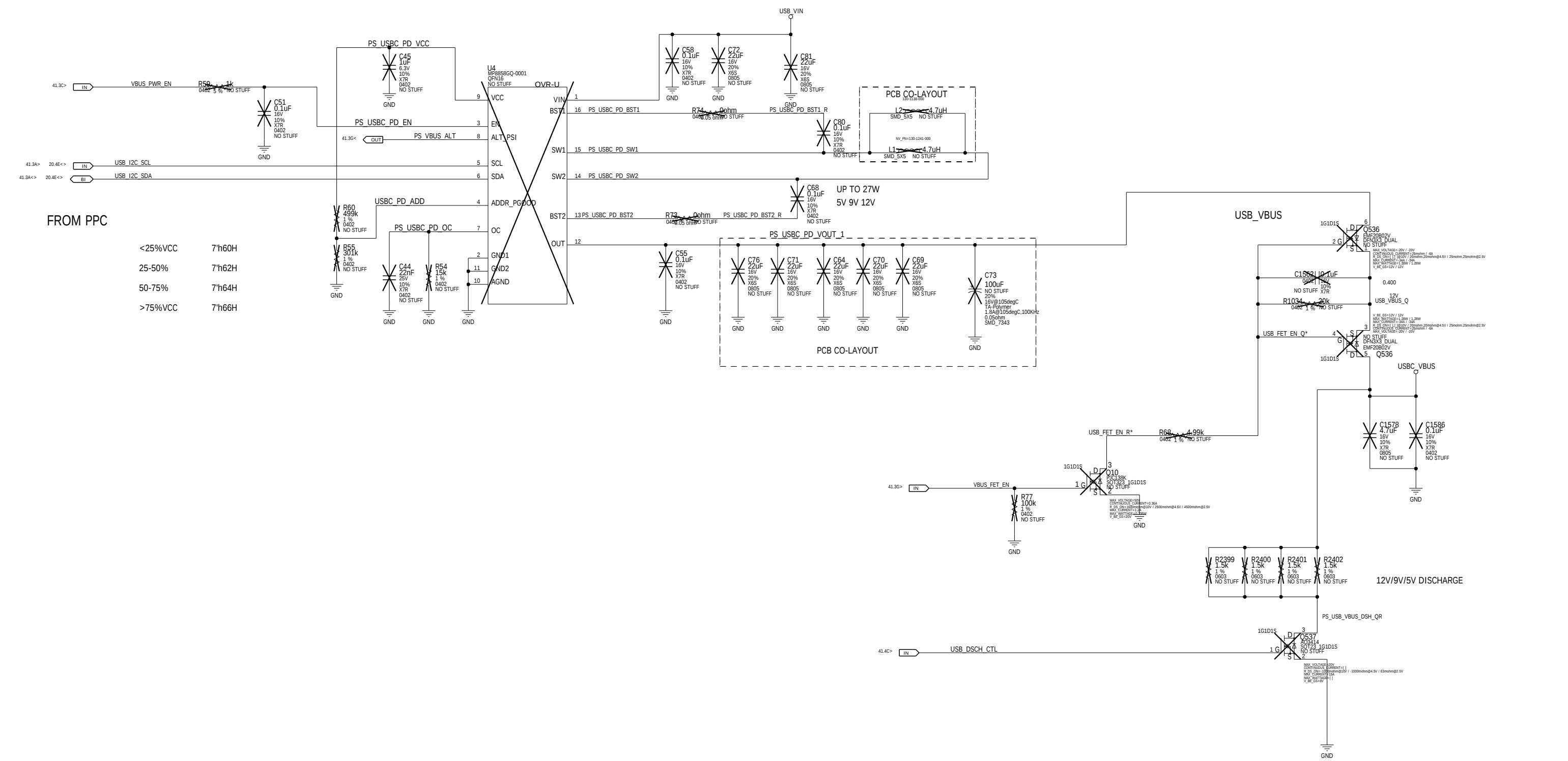
39 OF 53

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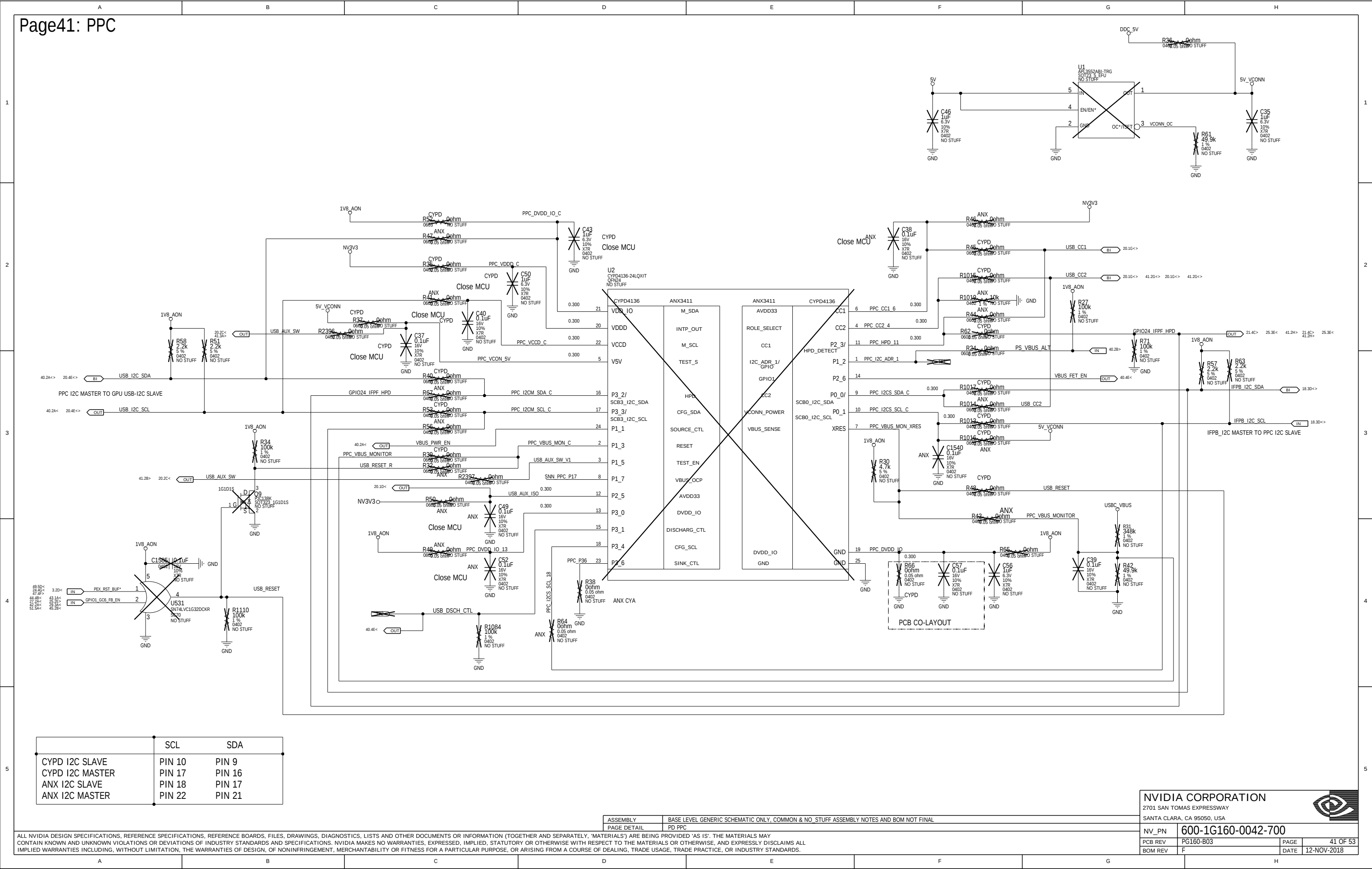
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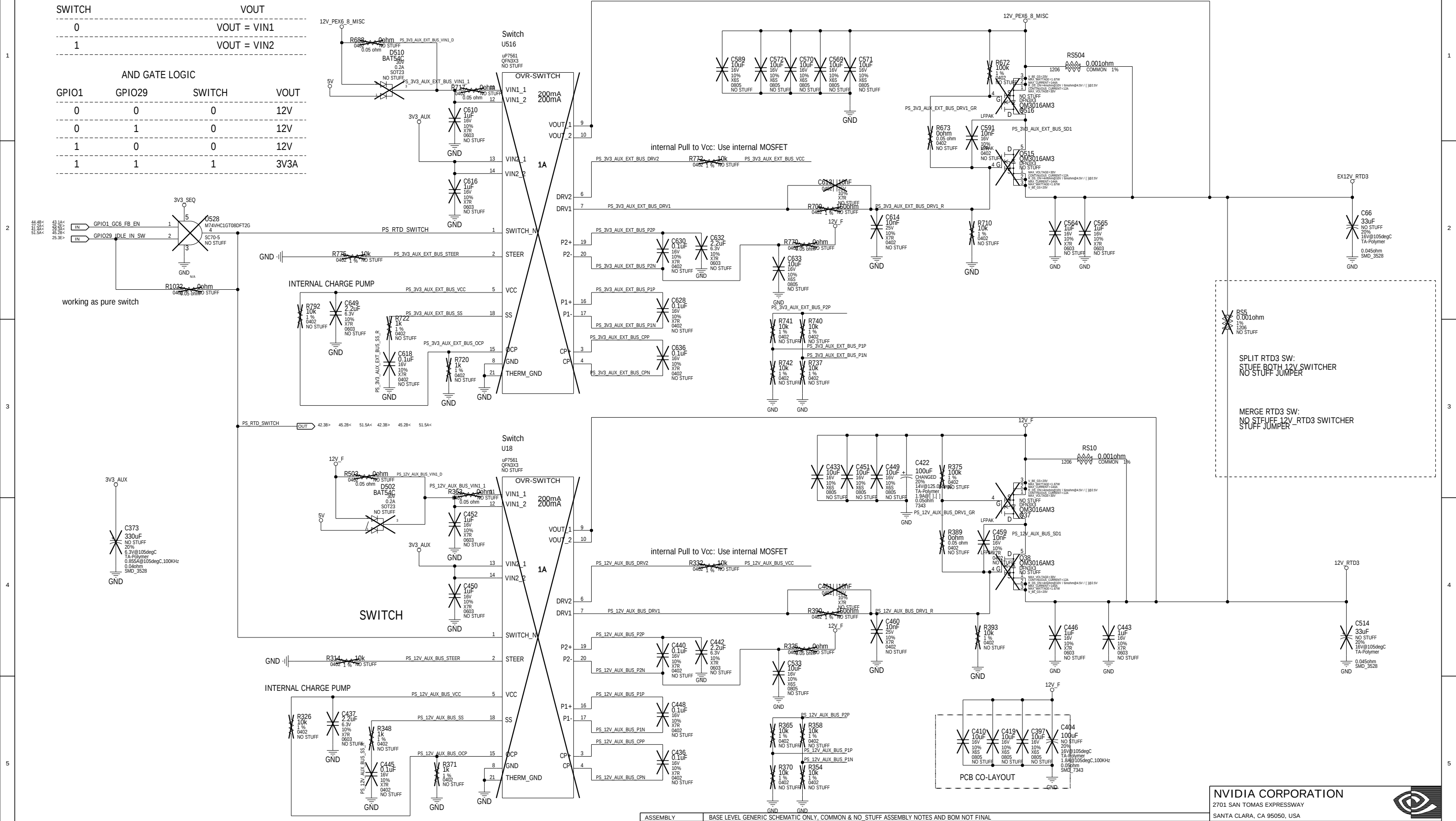


FROM PPC

<25%VCC	7'h60H
25-50%	7'h62H
50-75%	7'h64H
>75%VCC	7'h66H

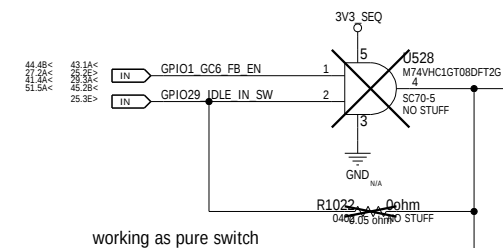


Page42: 12V & 3V3_A SWITCHER

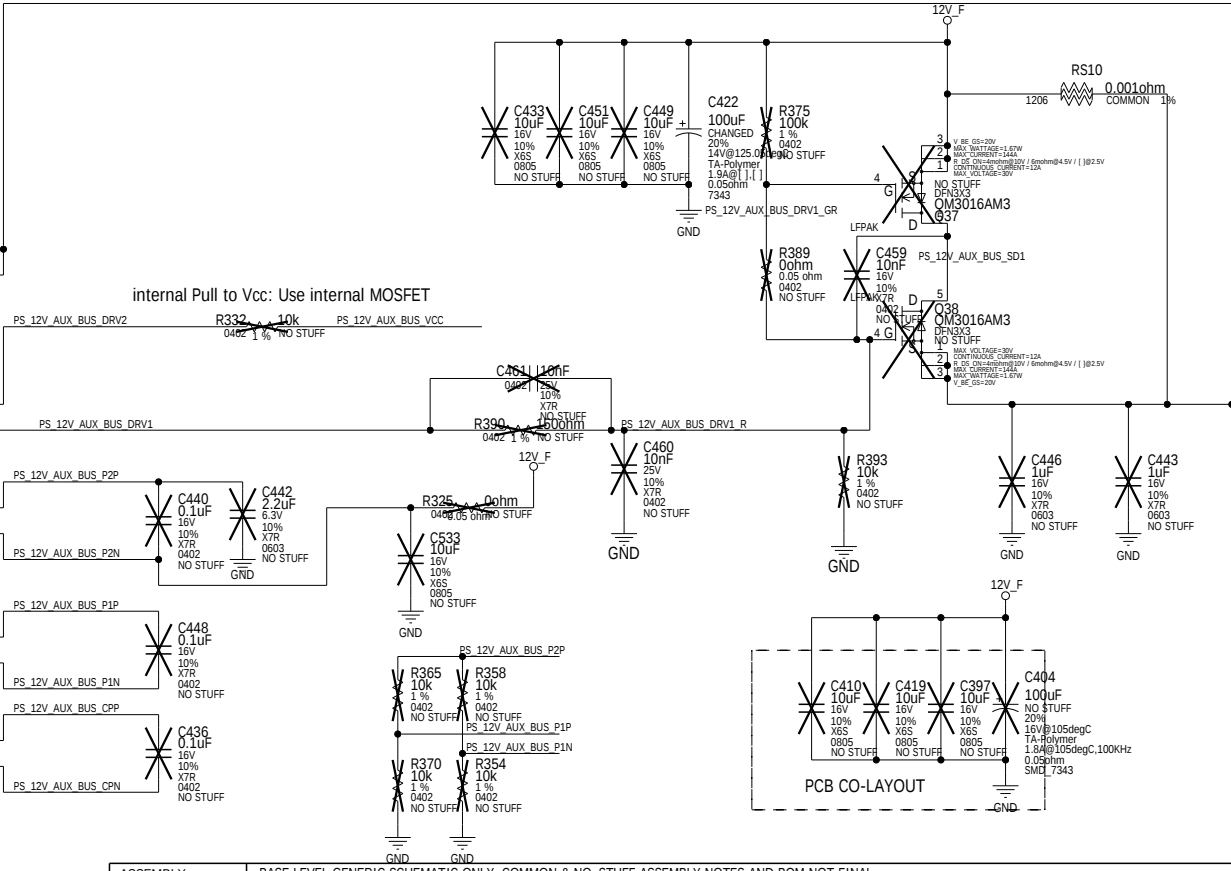
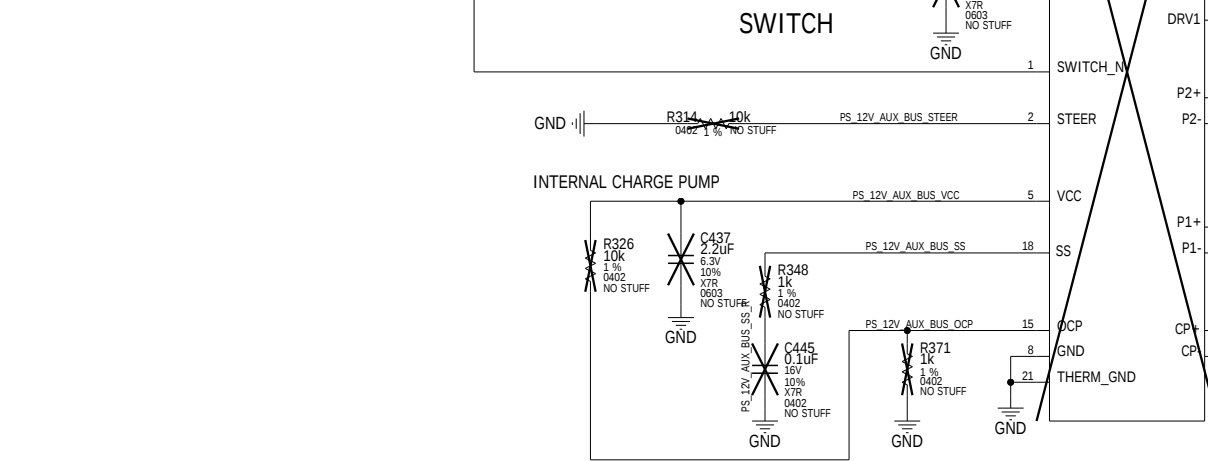
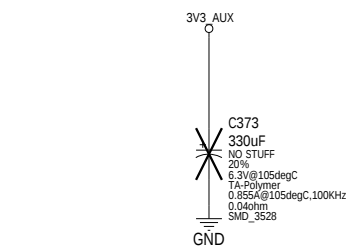


SWITCH		VOUT	
0		VOUT = VIN1	
1		VOUT = VIN2	

AND GATE LOGIC			
GPIO1	GPIO29	SWITCH	VOUT
0	0	0	12V
0	1	0	12V
1	0	0	12V
1	1	1	3V3A



working as pure switch



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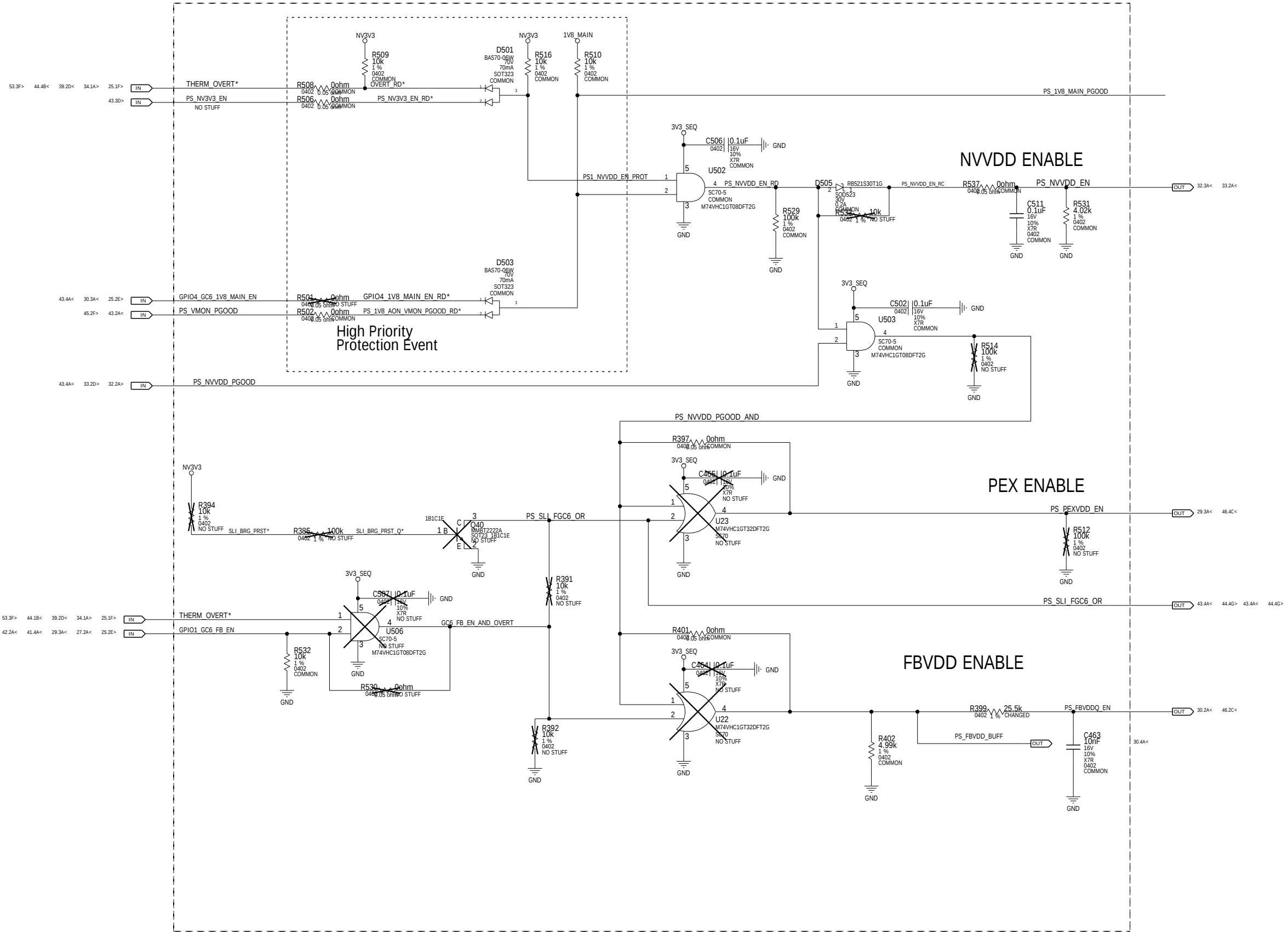
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PAGE

42 OF 53

DATE

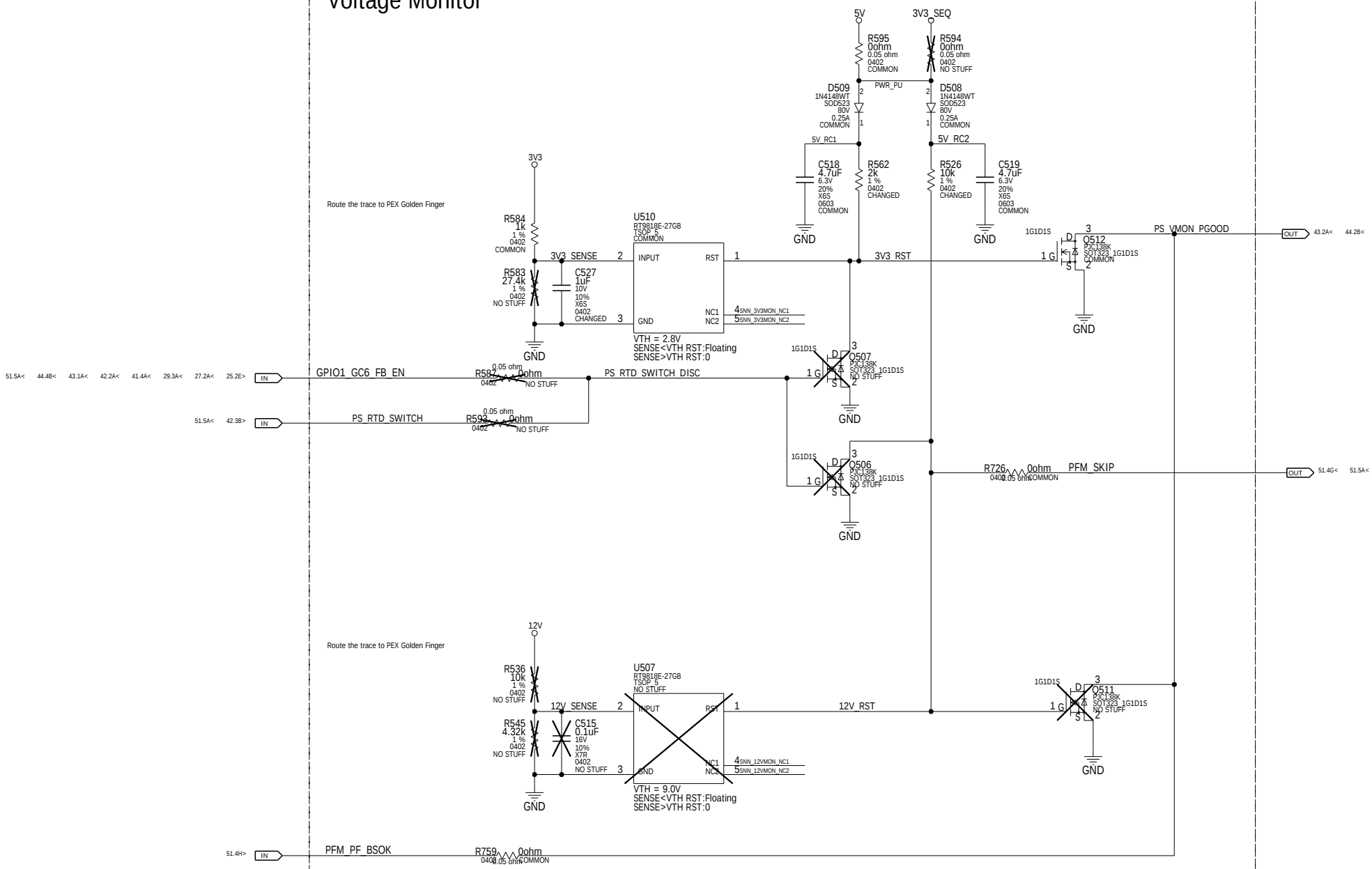
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NV_PN	600-1G160-0042-700		
PCB REV	PG160-B03	PAGE	44 OF 53
BOM REV	F	DATE	12-NOV-2018

Voltage Monitor



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)

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

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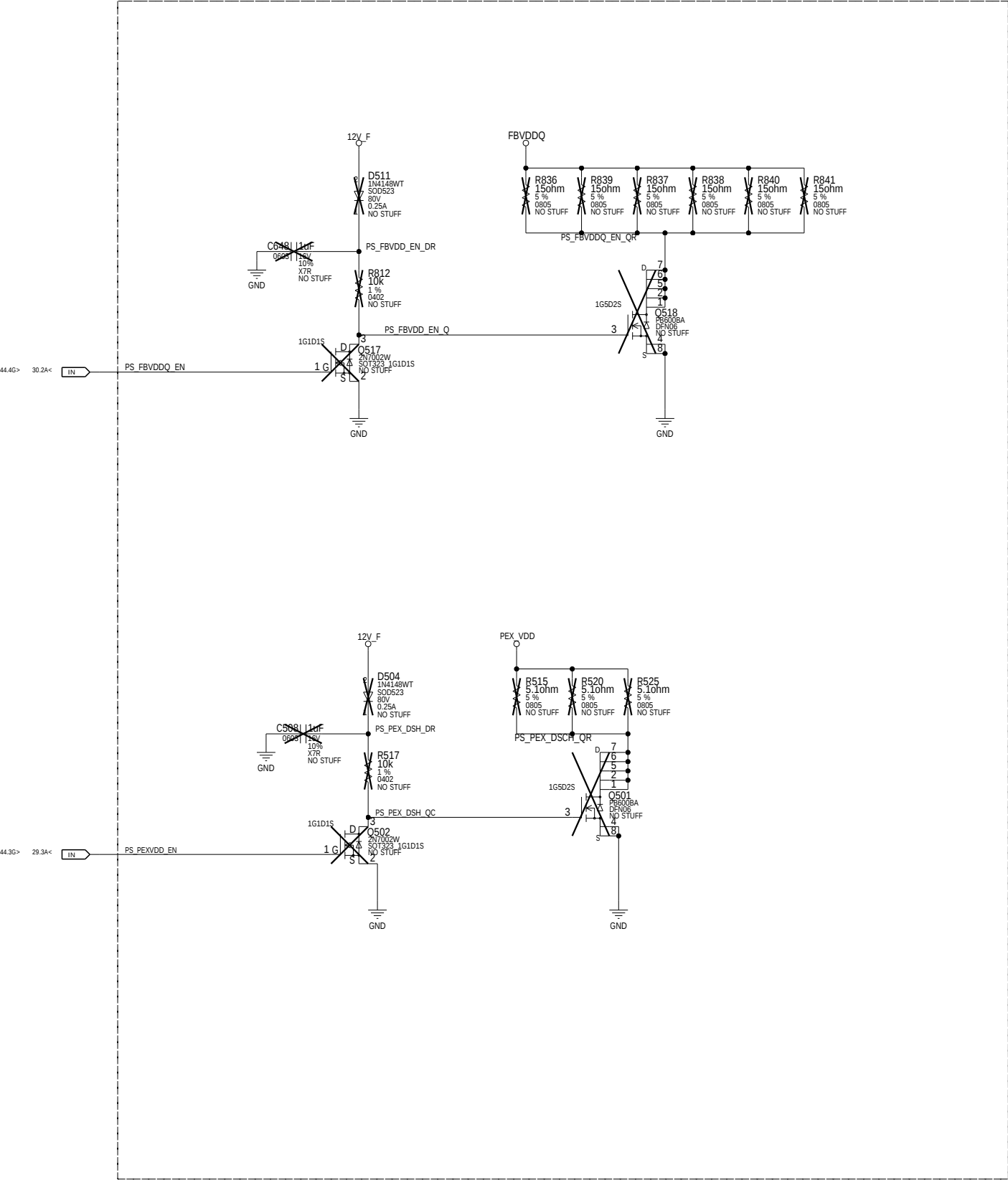
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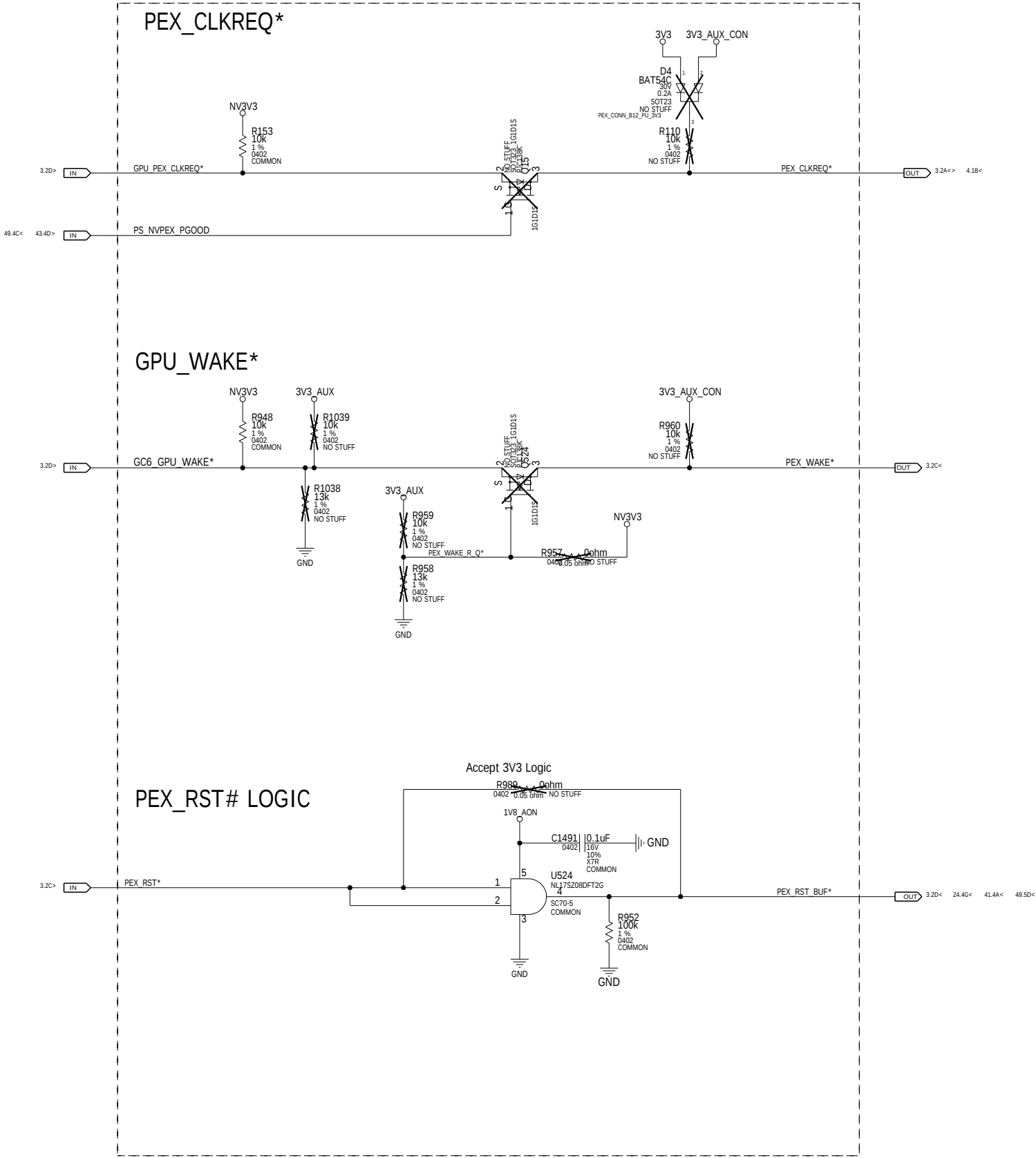
45 OF 53

DATE

12-NOV-2018



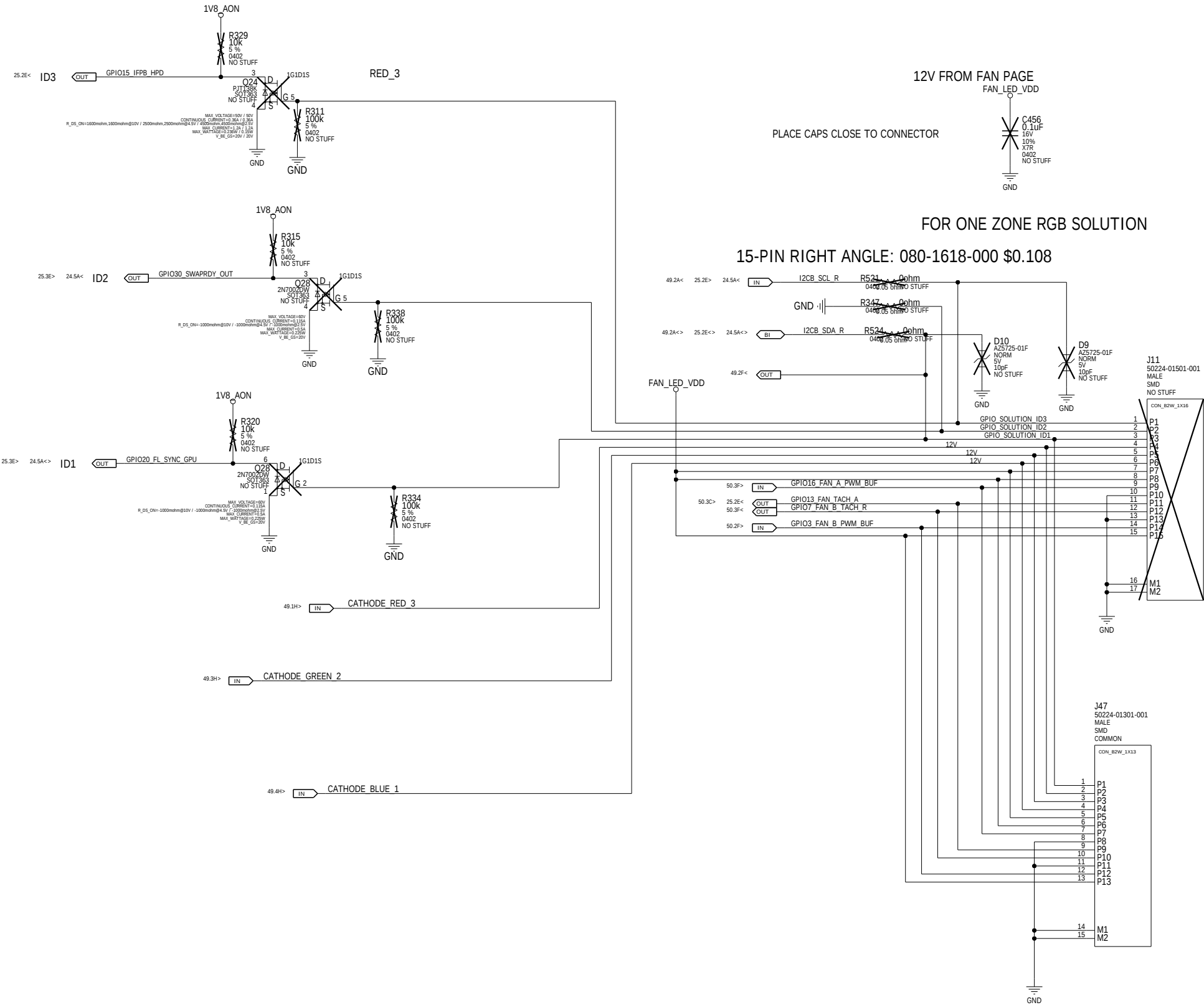
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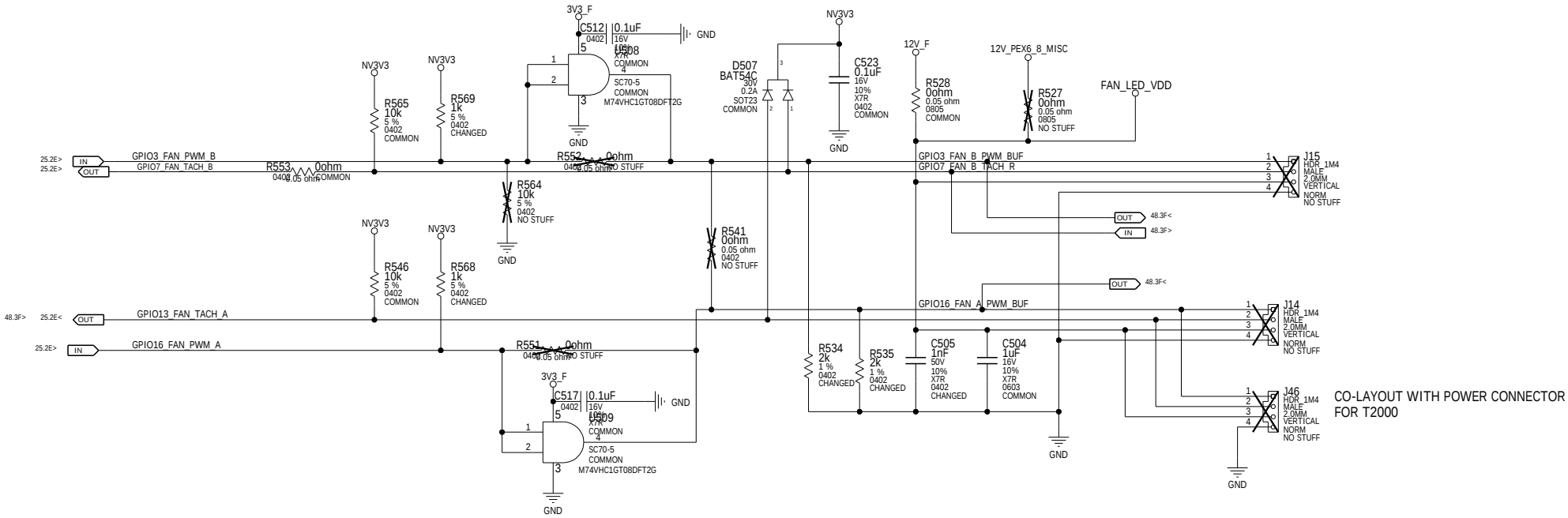
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PCB REV	PG160-B03	PAGE	47 OF 53
BOM REV	F	DATE	12-NOV-2018

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

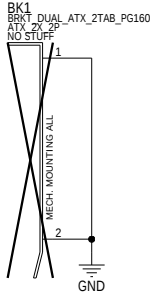


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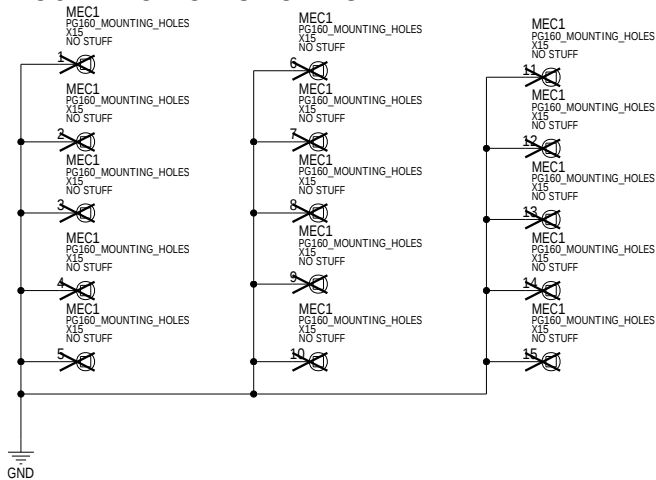


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MOUNTING HOLES FOR HS:



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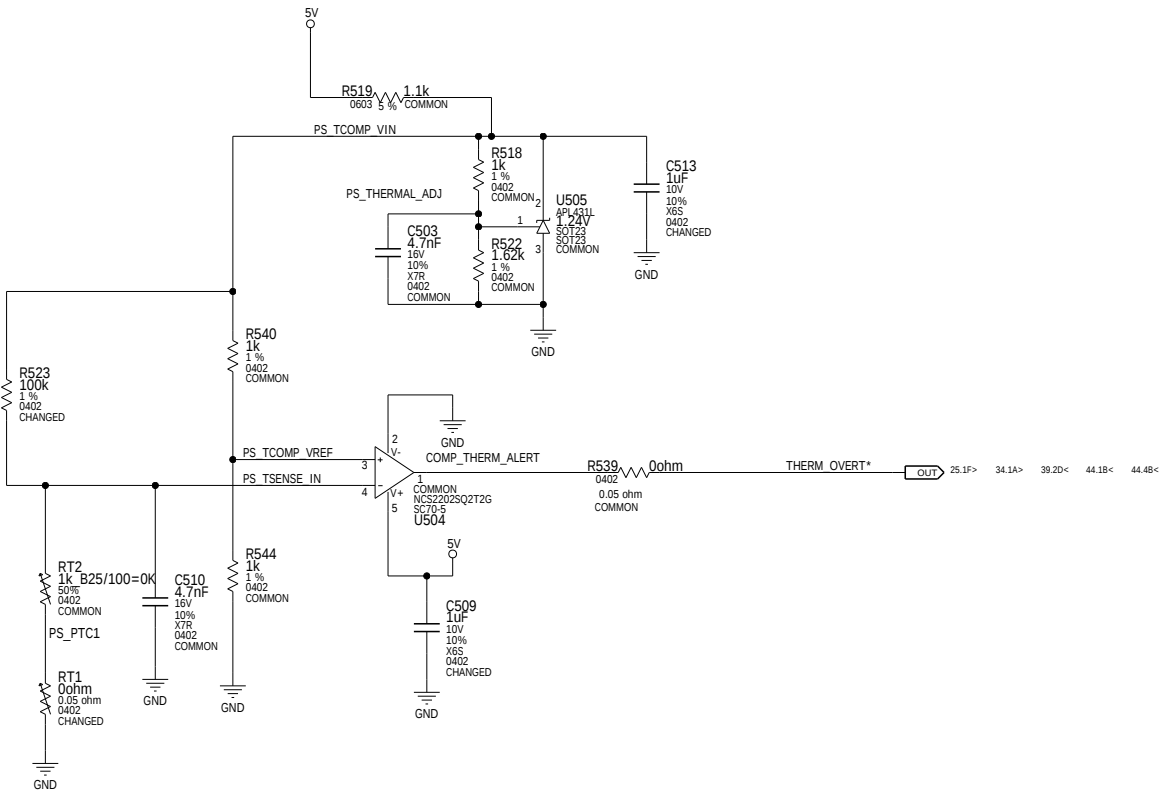
PAGE

DATE

52 OF 53

12-NOV-2018

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PAGE

53 OF 53

DATE

12-NOV-2018