

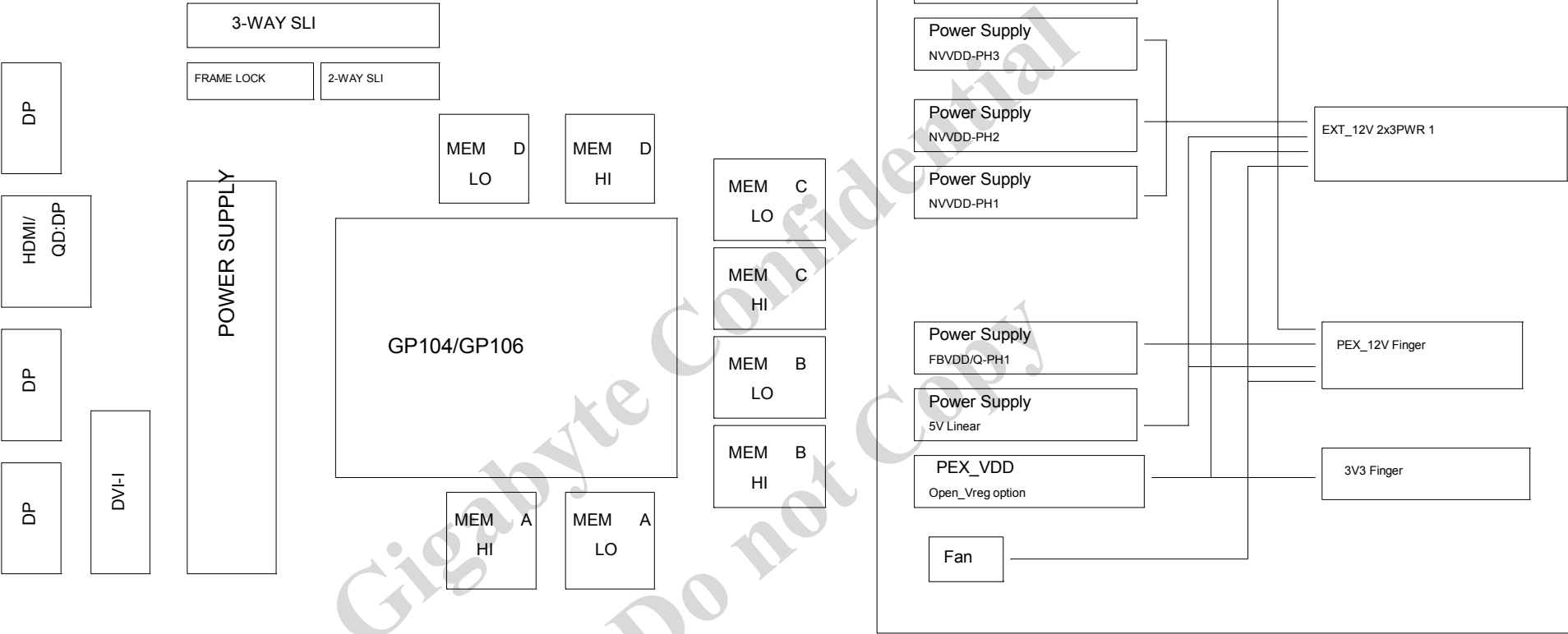
PG410 A01

GP106 8GB/4GB GDDR5, 256b, 256Mx32/128MX32
Tall DVI-D + DP + DP + HDMI/DP + DP

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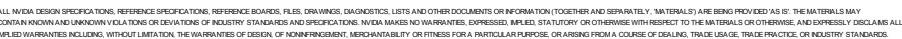
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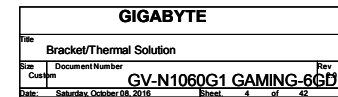


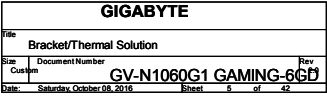
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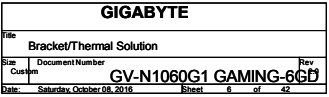
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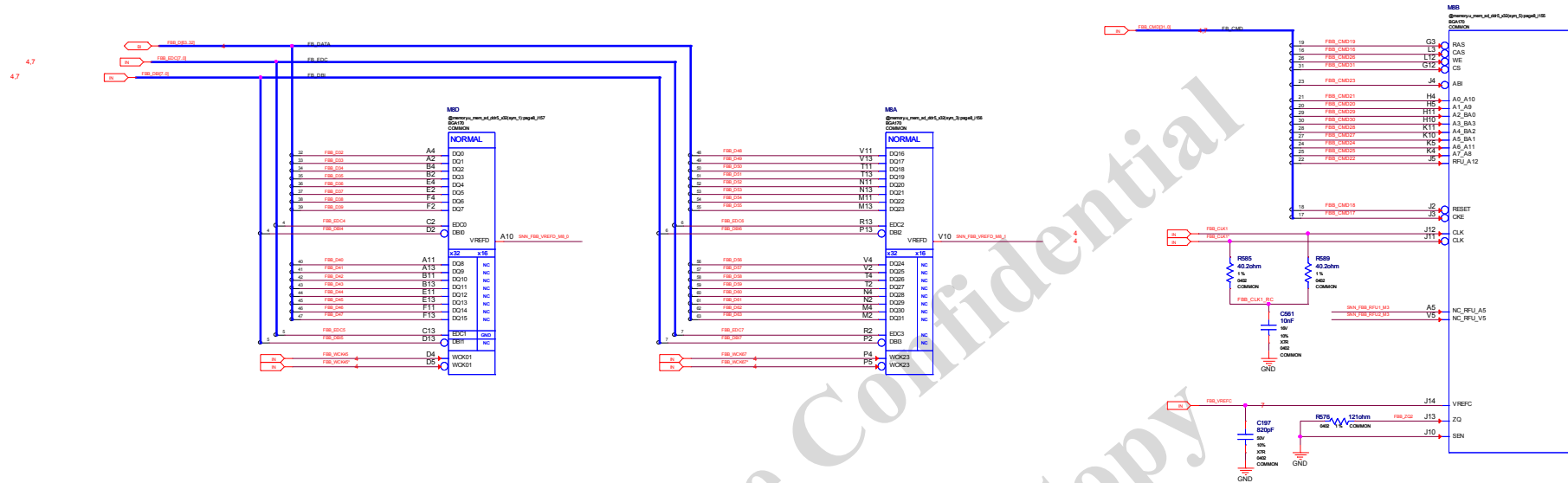










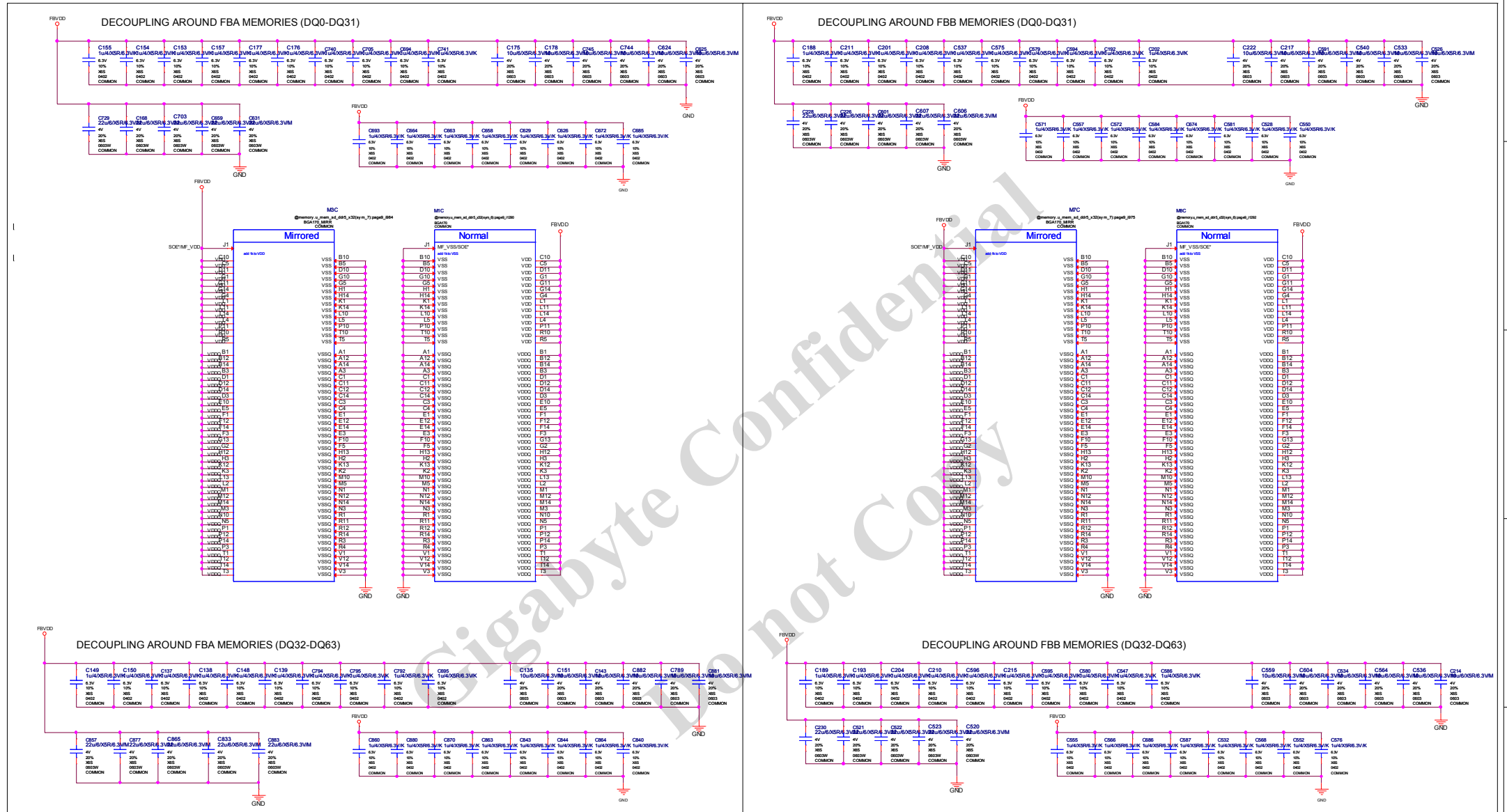


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Rev: 1

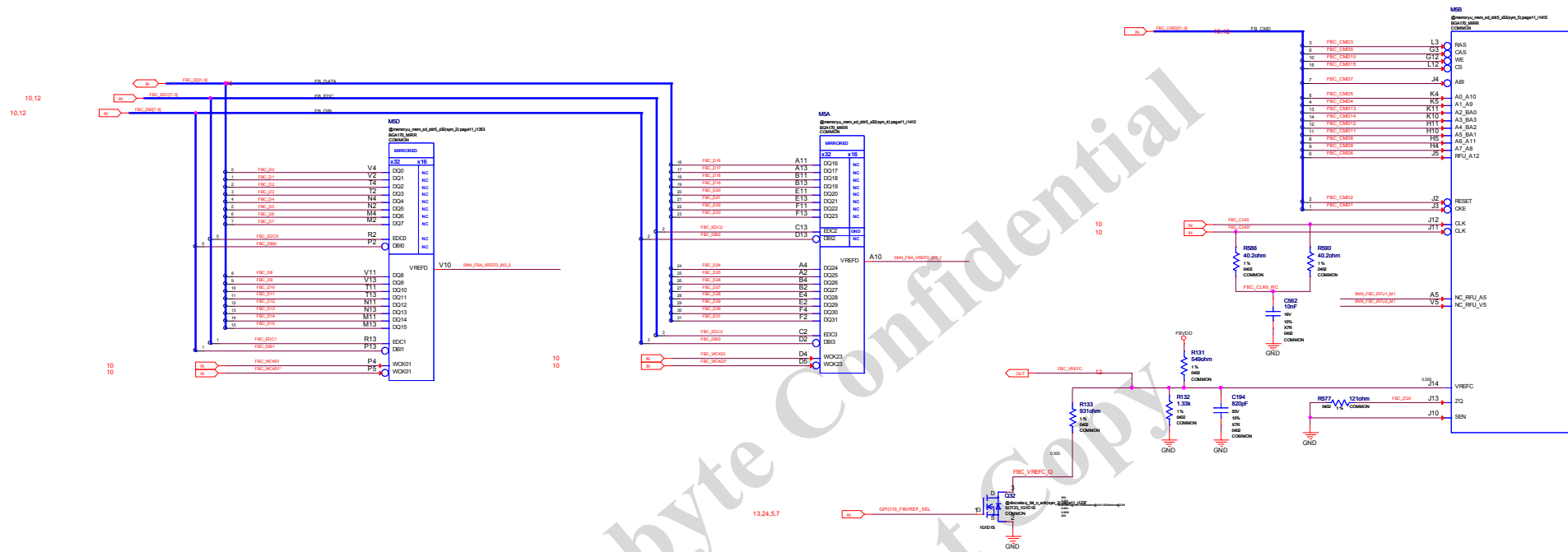
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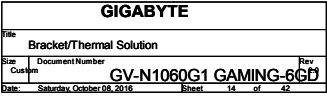
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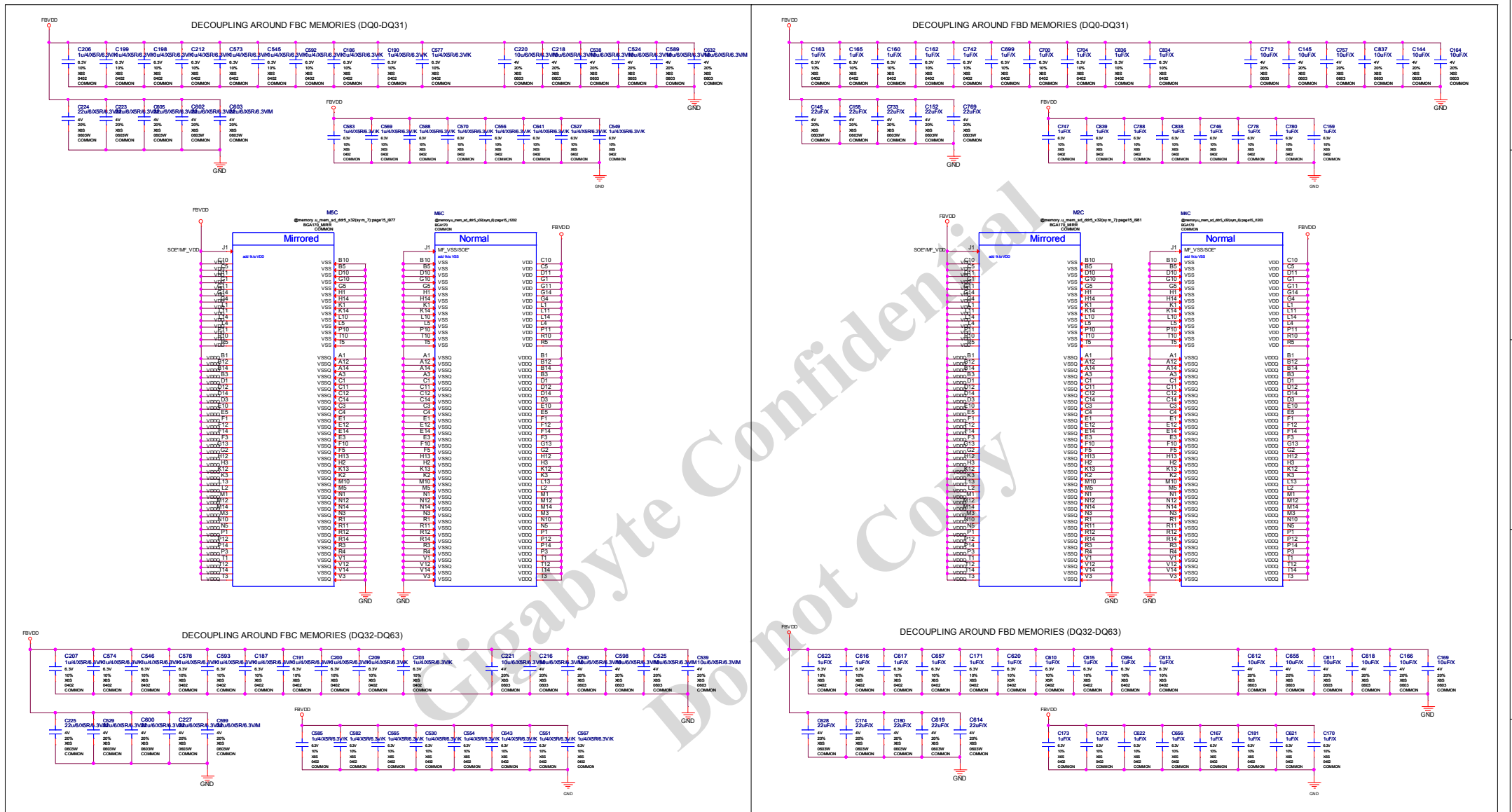
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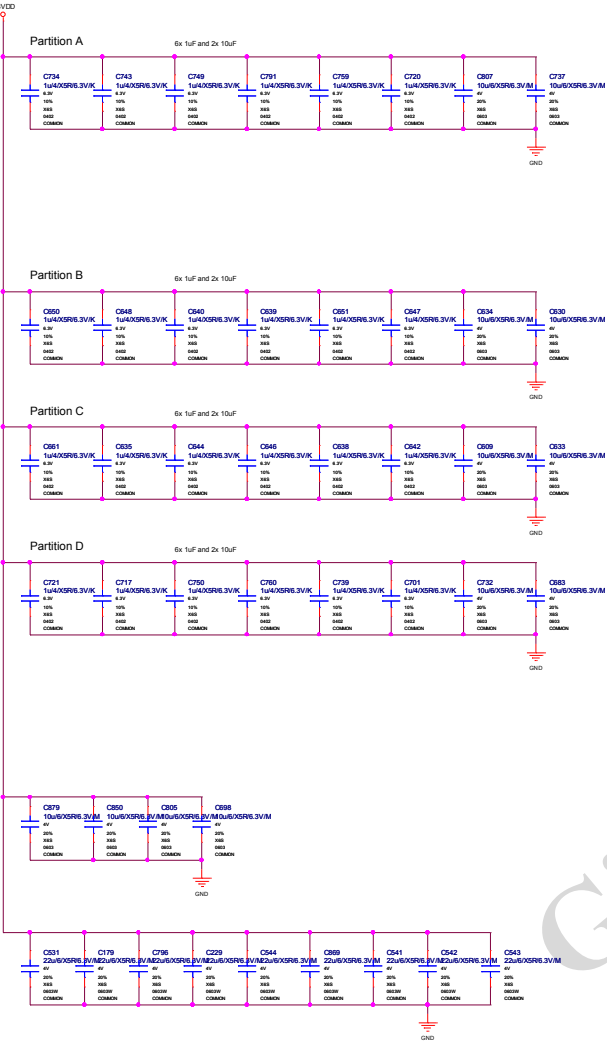
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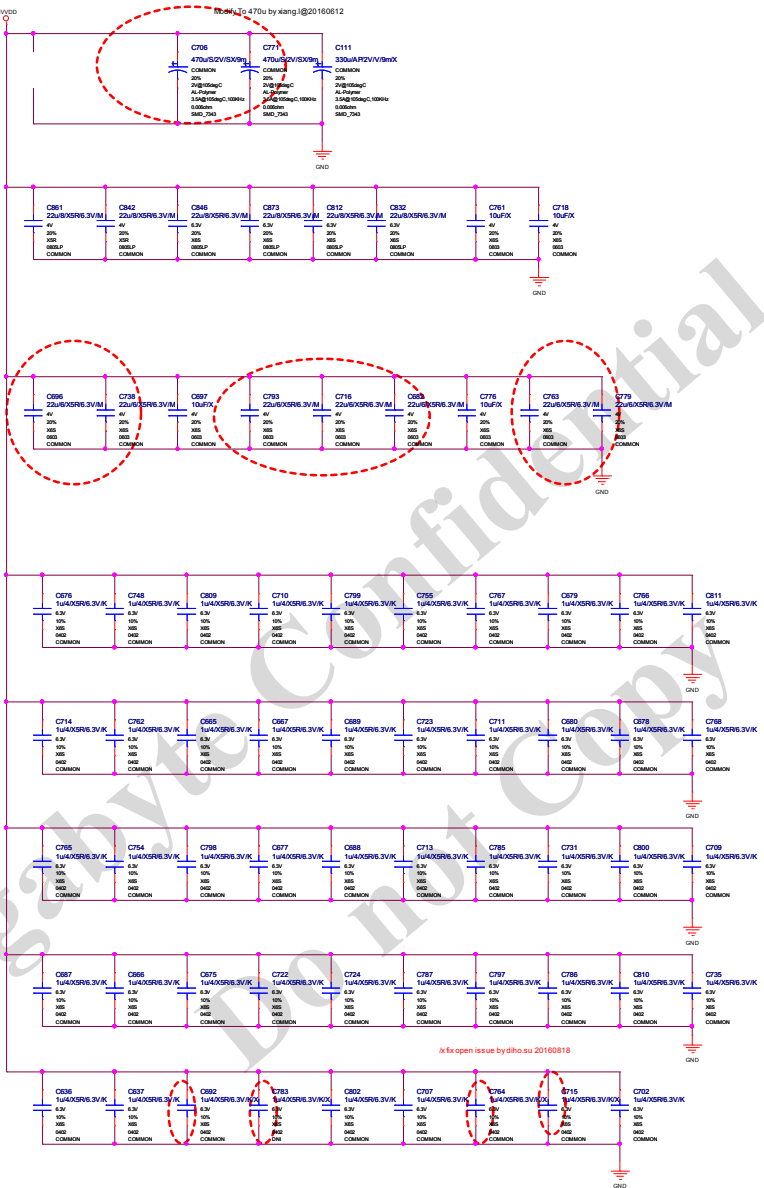
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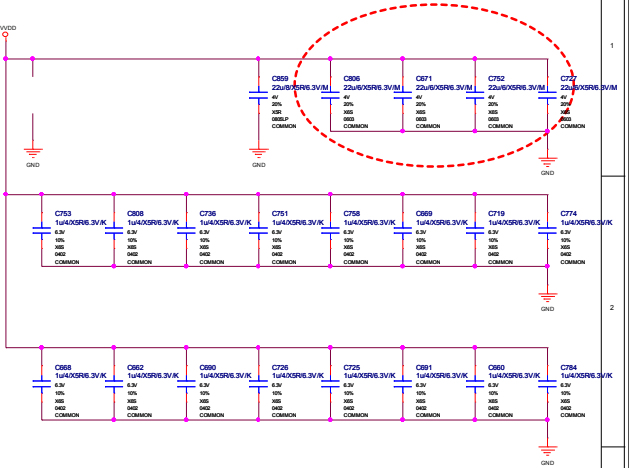
FBVDD



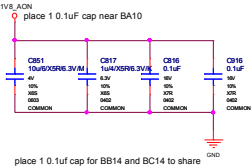
NVDD



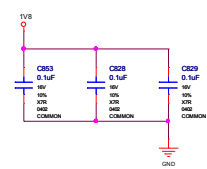
NVDD

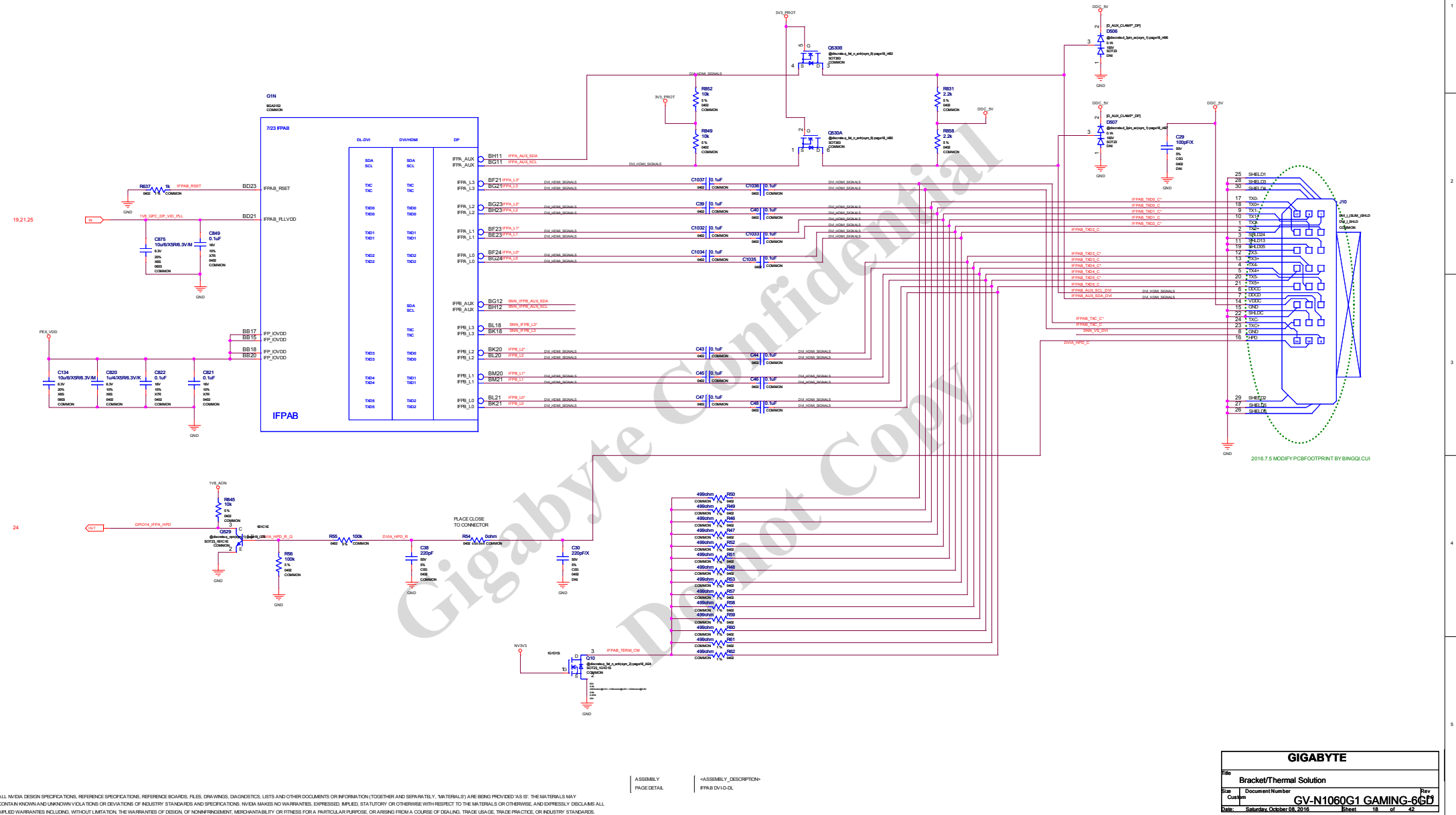


1V8_AON



1V8_MAIN

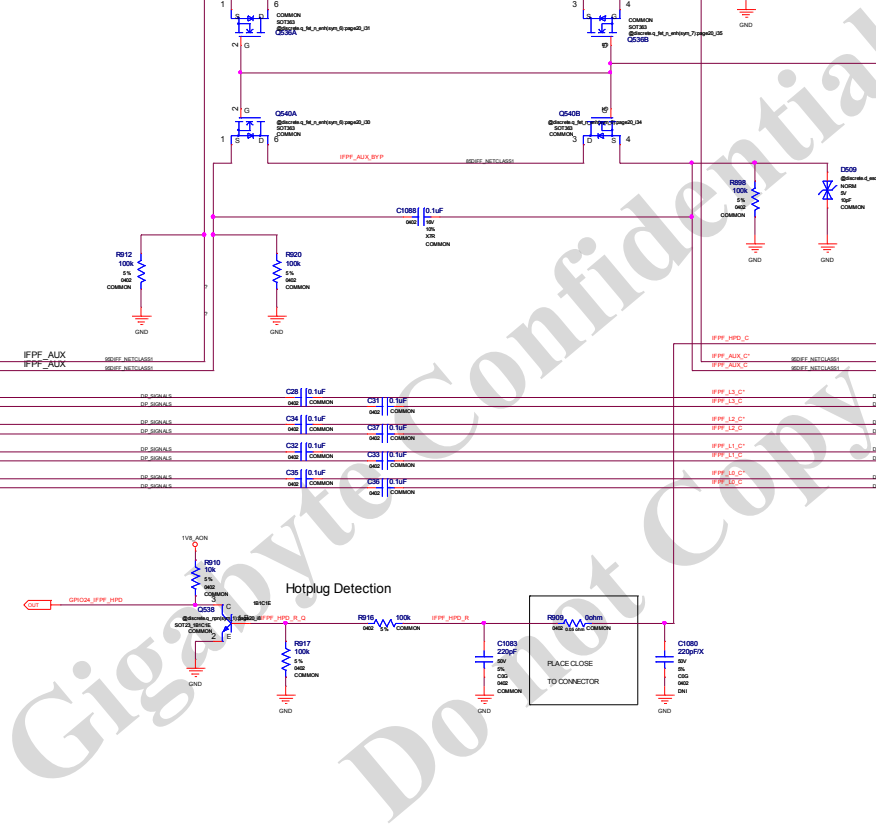






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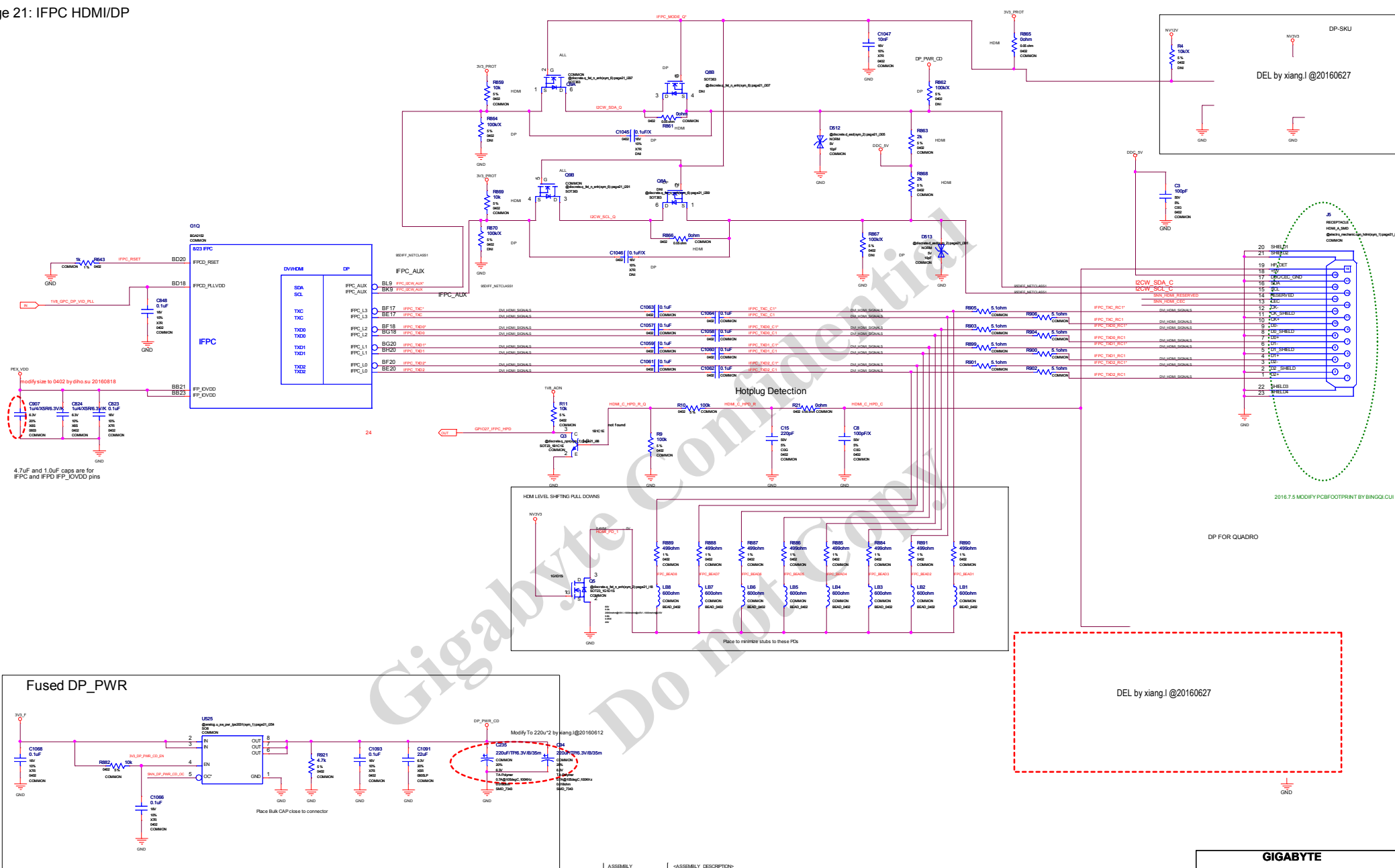
1. DP AUX to DP connector: AUX AC coupled
2. DP AUX to DP-DVI dongle: AUX pass through



2016.7.5 MODIFY PCBFOOTPRINT BY BINGQI.CUI

ASSEMBLY	<ASSEMBLY_DESCRIPTION>
PAGE DETAIL	FFF DP

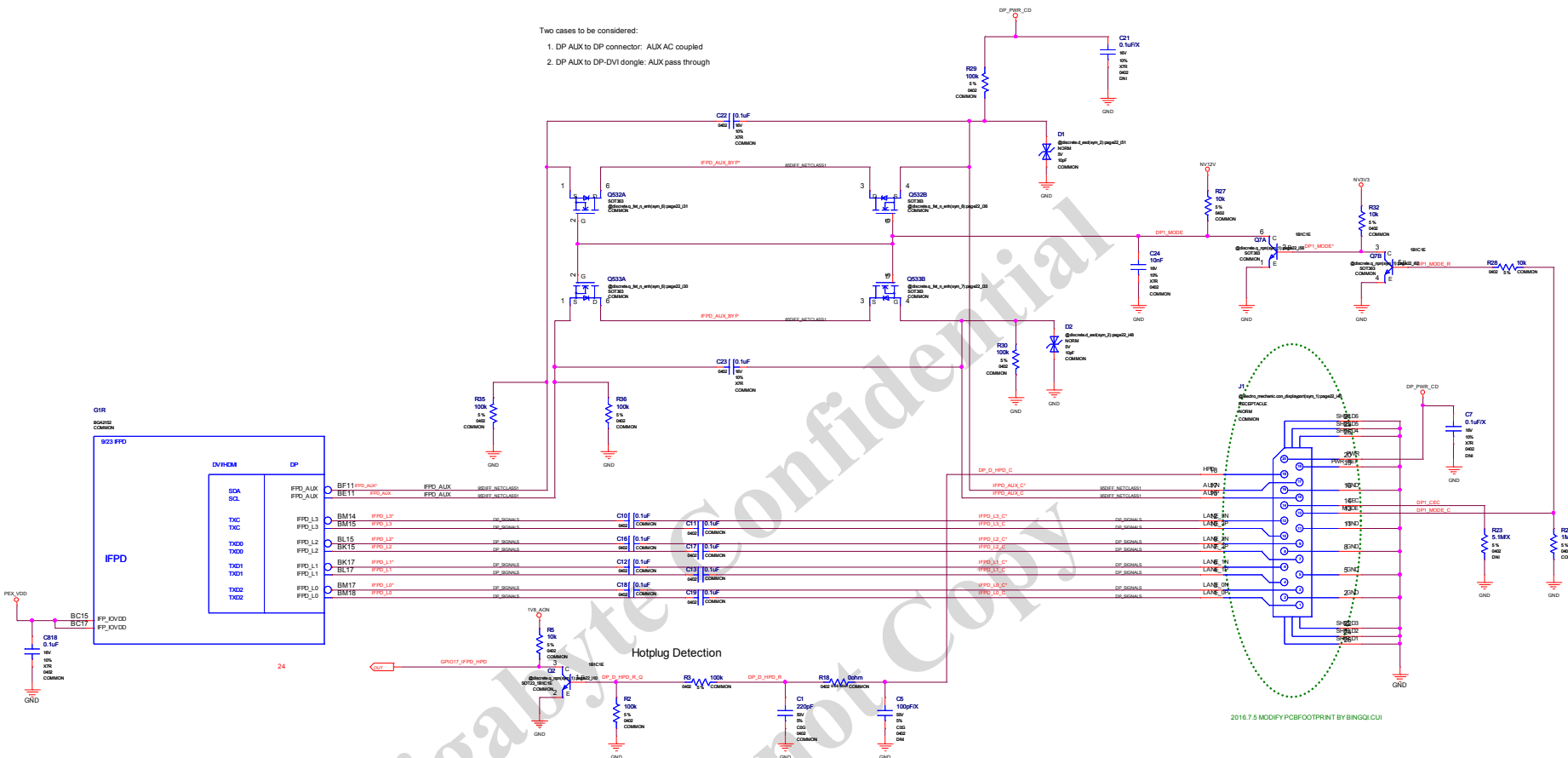
A	B	C	D	E	F	G	H
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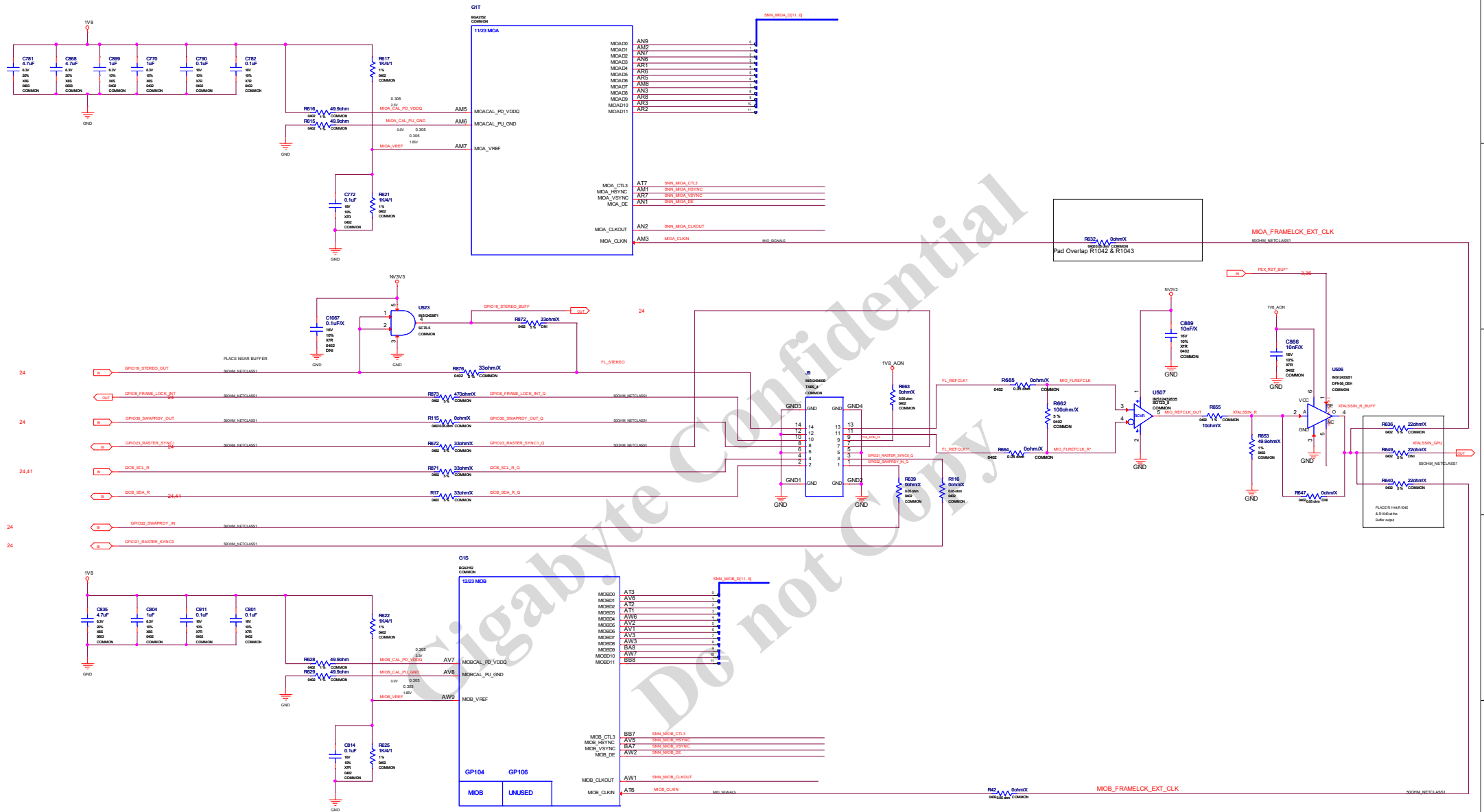
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ASSEMBLY DESCRIPTION
IFPD DP

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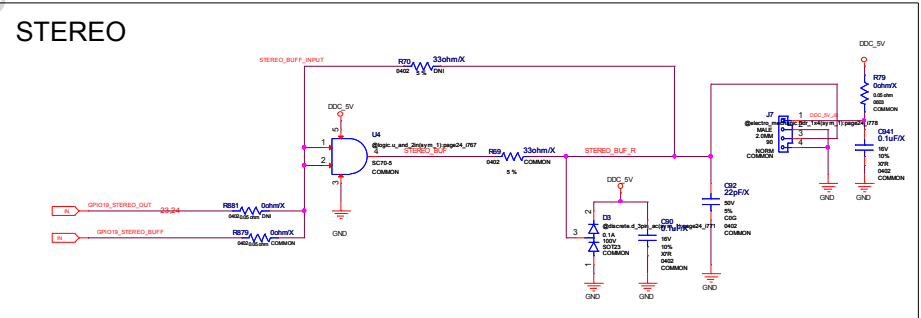


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ASSEMBLY DESCRIPTION
MIOA/B Interface and Frame Lock

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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

ROM_SO	ROM_SI	ROM_SCLK	SOR_EXPOSED[3:0]	1:ENABLE 0:DISABLE
L	L	L	1111	DEFAULT
L	L	H	1110	
L	H	L	1101	
L	H	H	1100	
H	L	L	1011	
H	L	H	1010	
H	H	L	1001	
H	H	H	1000	
L	L	M	0111	
L	M	L	0110	
L	M	H	0101	
L	H	M	0100	
H	L	M	0011	
H	M	L	0010	
H	M	H	0001	
H	H	M	0000	

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
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
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

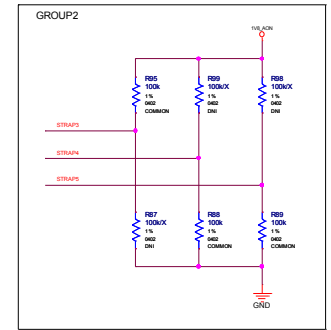
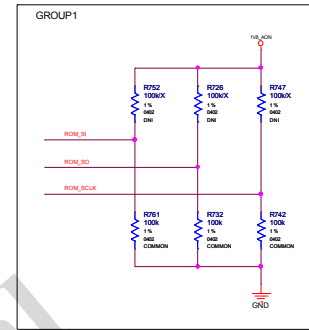
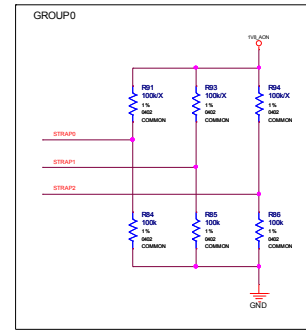
1:DEVID_SEL REBRAND
0:DEVID_SEL ORIGINAL

1:PCIE_CFG LOW POWER
0:PCIE_CFG HIGH POWER

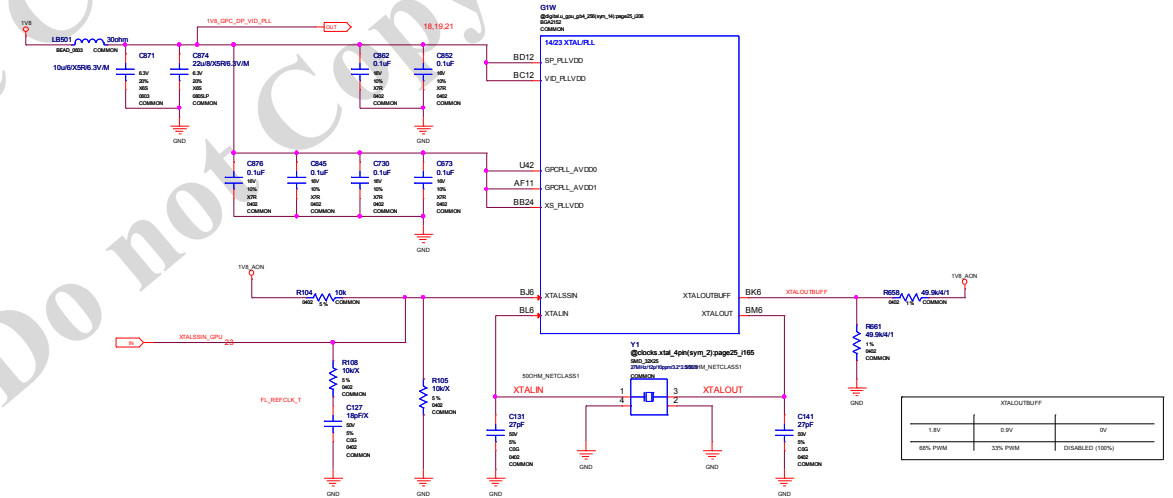
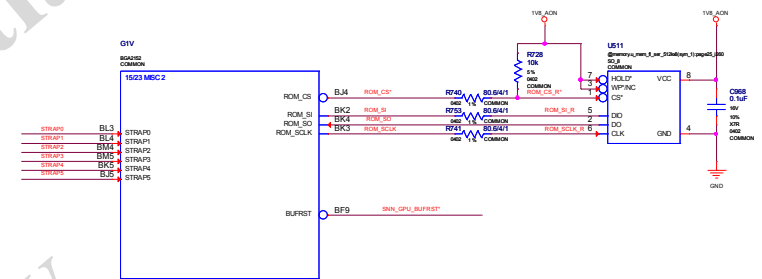
1:VGA_DEVICE ENABLE
0:VGA_DEVICE DISABLE

ASSEMBLY
PAGE DETAIL

ASSEMBLY_DESCRIPTION
MISC2: ROM, XTAL, STRAPS



CFG(3:0)	Config	Width	Vendor
0000	256Mb32	256-bit	Samsung
0001	256Mb32	256-bit	Micron
0010	256Mb32	256-bit	Hynix
0011	Reserved		
0100	Reserved		
0101	Reserved		
0110	Reserved		
0111	Reserved		



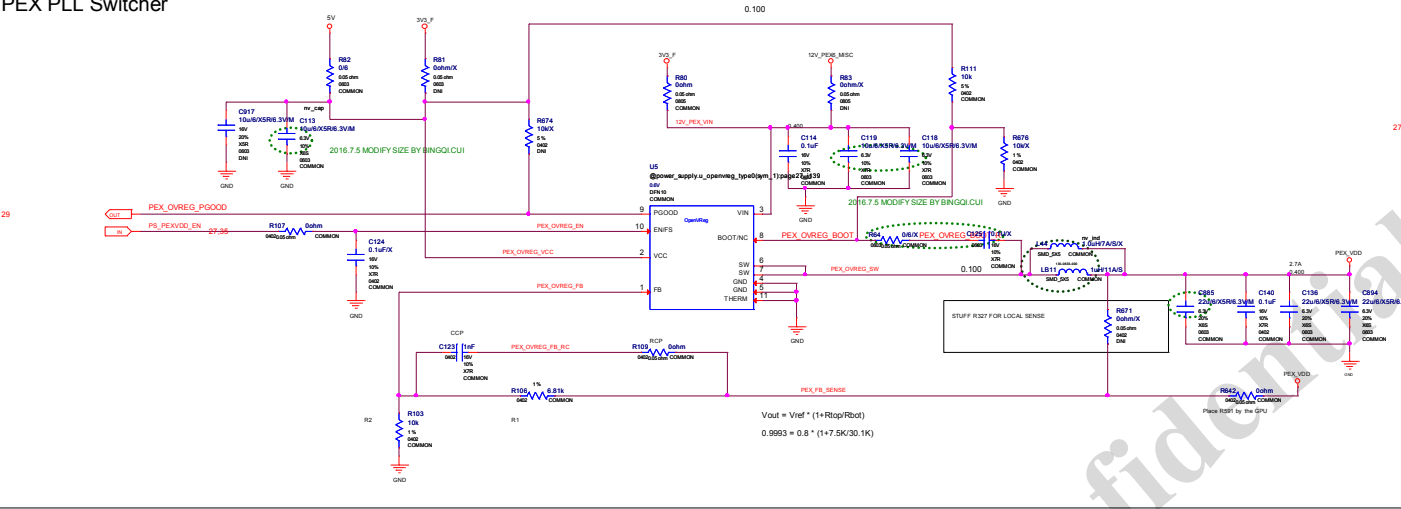
XTALOUTBUFF		
1.8V	0.9V	0V
50% PWM	33% PWM	DISABLED (100%)

GIGABYTE

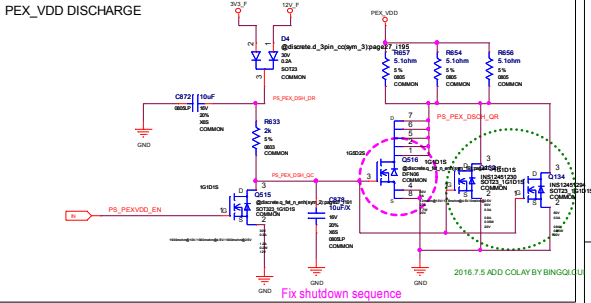
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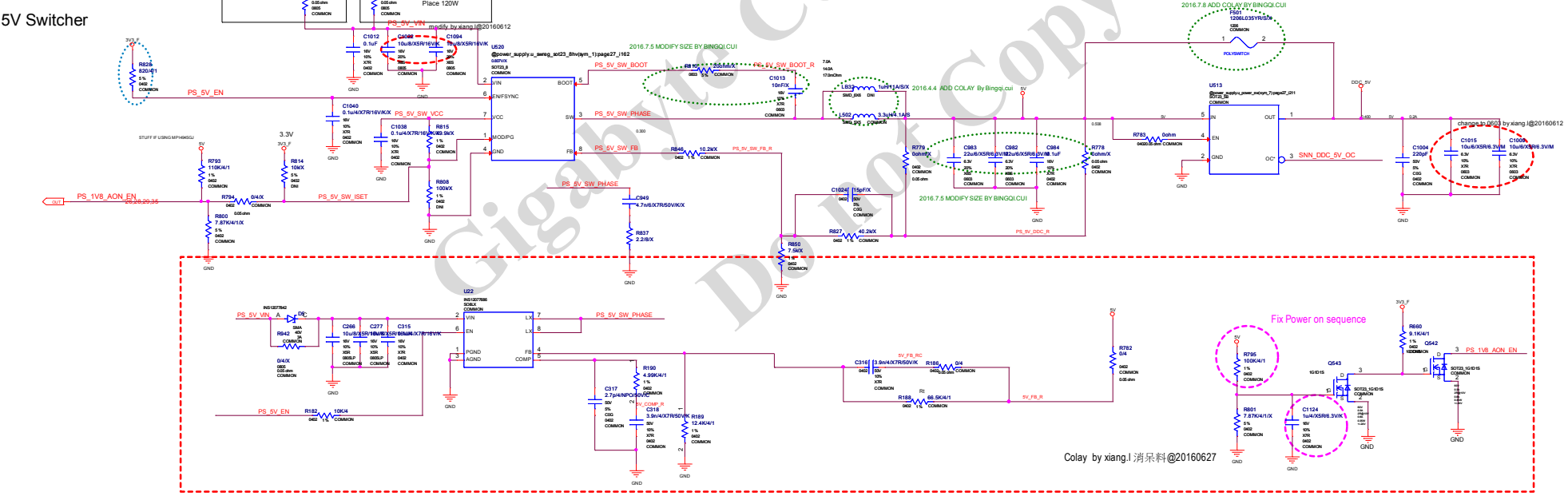
PEX PLL Switcher



PEX_VDD DISCHARGE



5V Switcher



Colay by xiang.l 清泉料@20160627

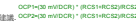
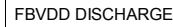


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27 ☐ IN

35,38 ☐ IN

24,36 ☐ IN



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ASSEMBLY
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PS: NVVDD Controller

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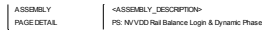
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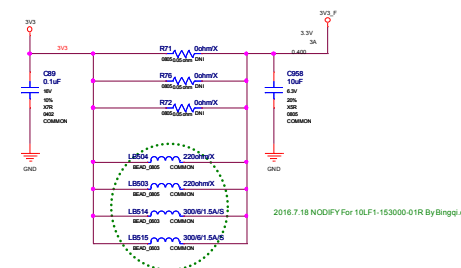
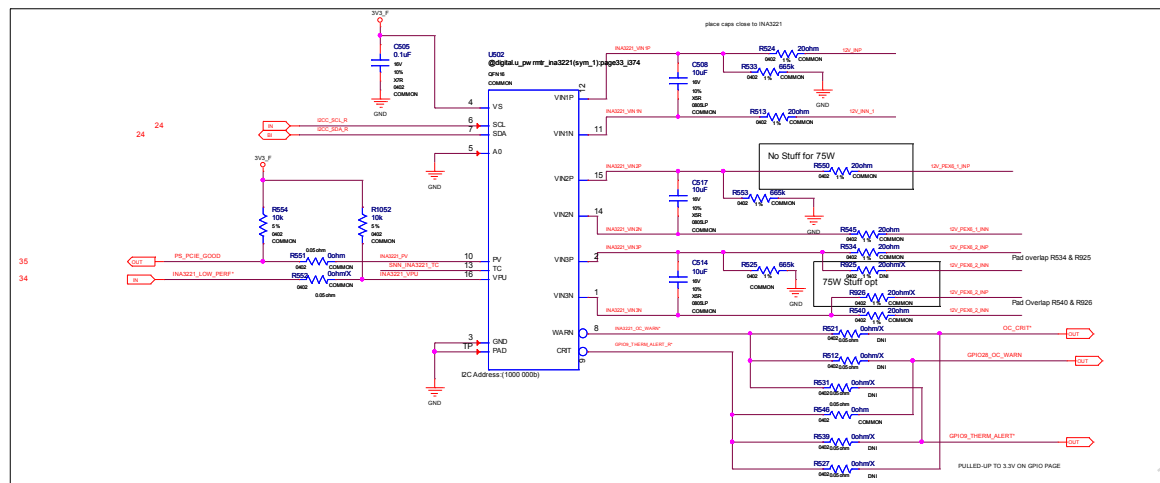
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PS: NVVDD Phase 1,2 & 3

to avoid stub

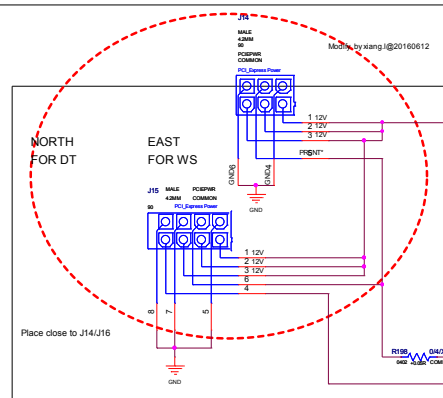
GIGABYTE		
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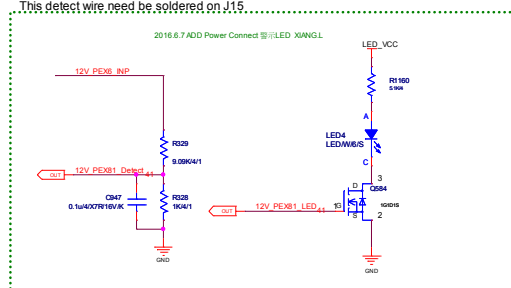
PEX 3V3 INPUT - 10W



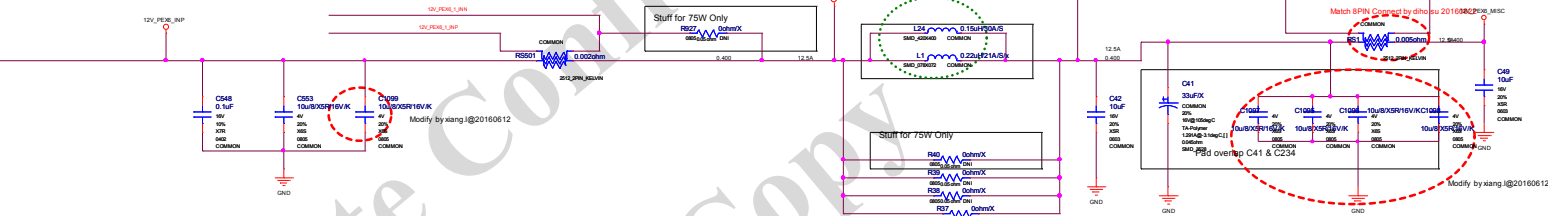
2016.7.18 NODIFY For 10LF1-153000-01R By Bingqi.cu



J14 and J16 is the soldering holes for power cable.
The power cable Need a separete wire as detect pin
This detect wire need be soldered on J15



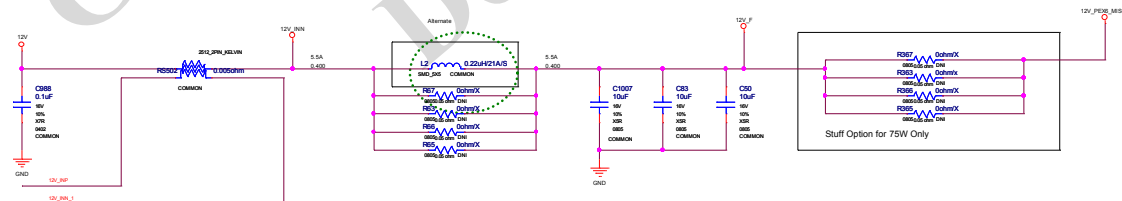
PEX6 INPUT 1 - 2x3 PCIE CON 75W



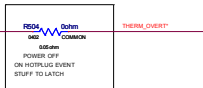
PEX 6 Input Present 1



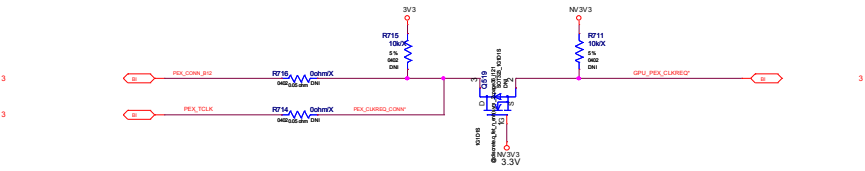
PEX_12V INPUT - 66W



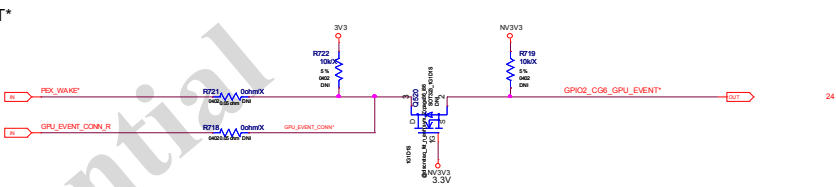
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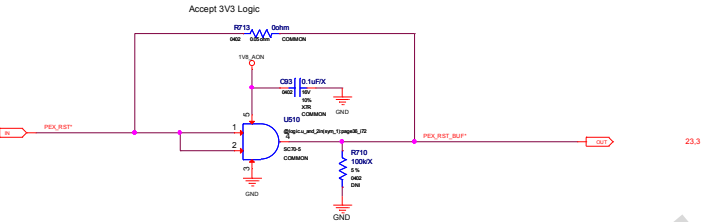
PEX_CLKREQ*



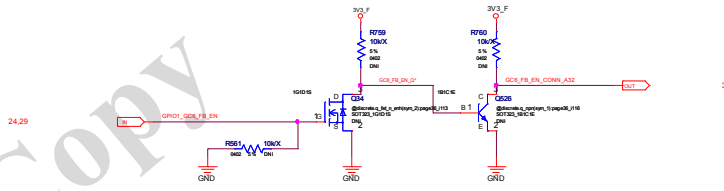
GPU_EVENT*



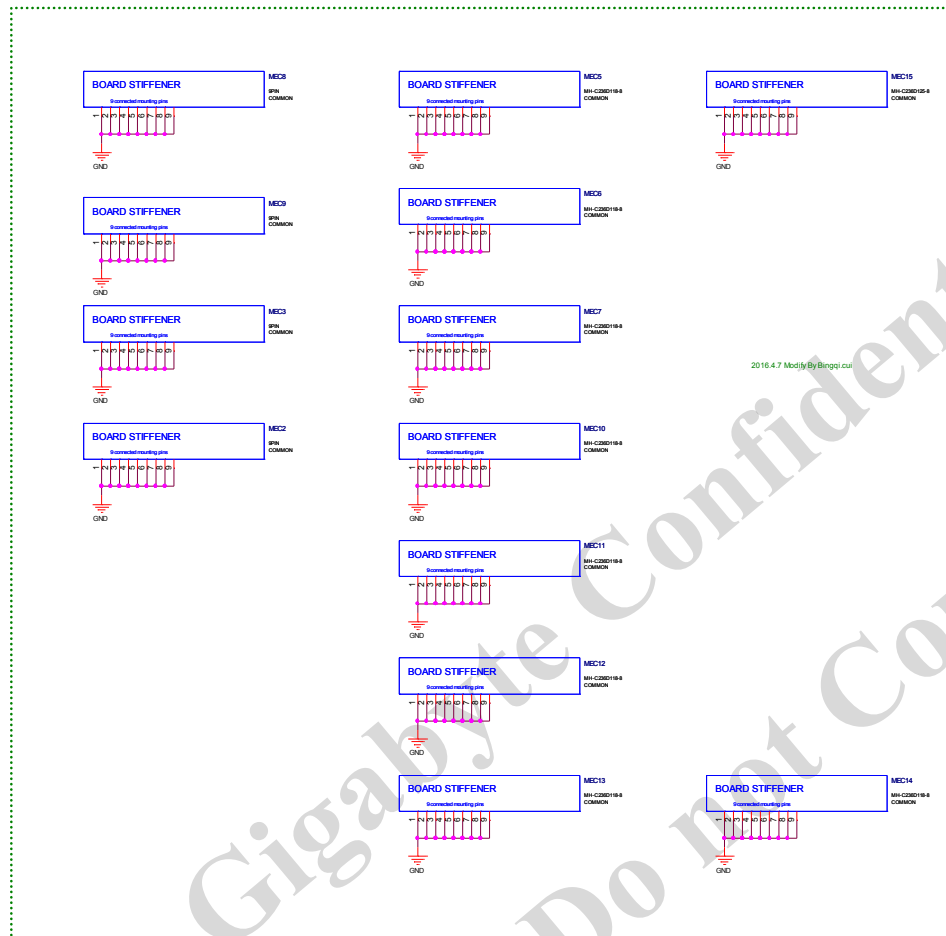
PEX_RST# LOGIC



GC6 FB ENABLE



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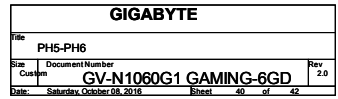


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