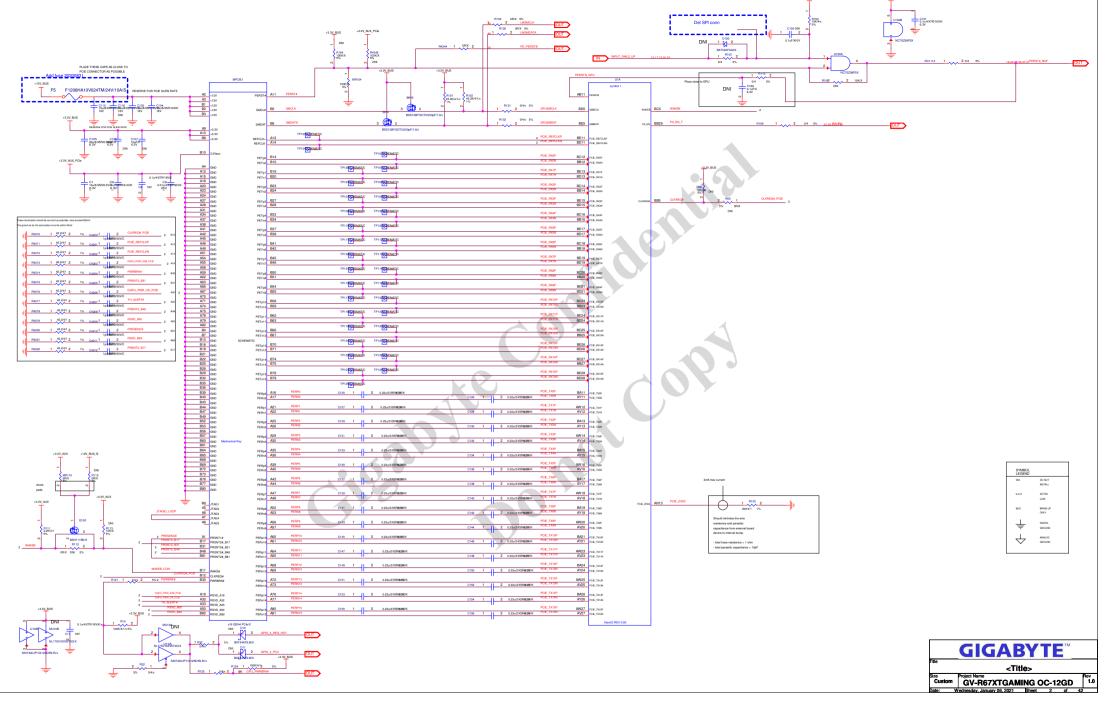
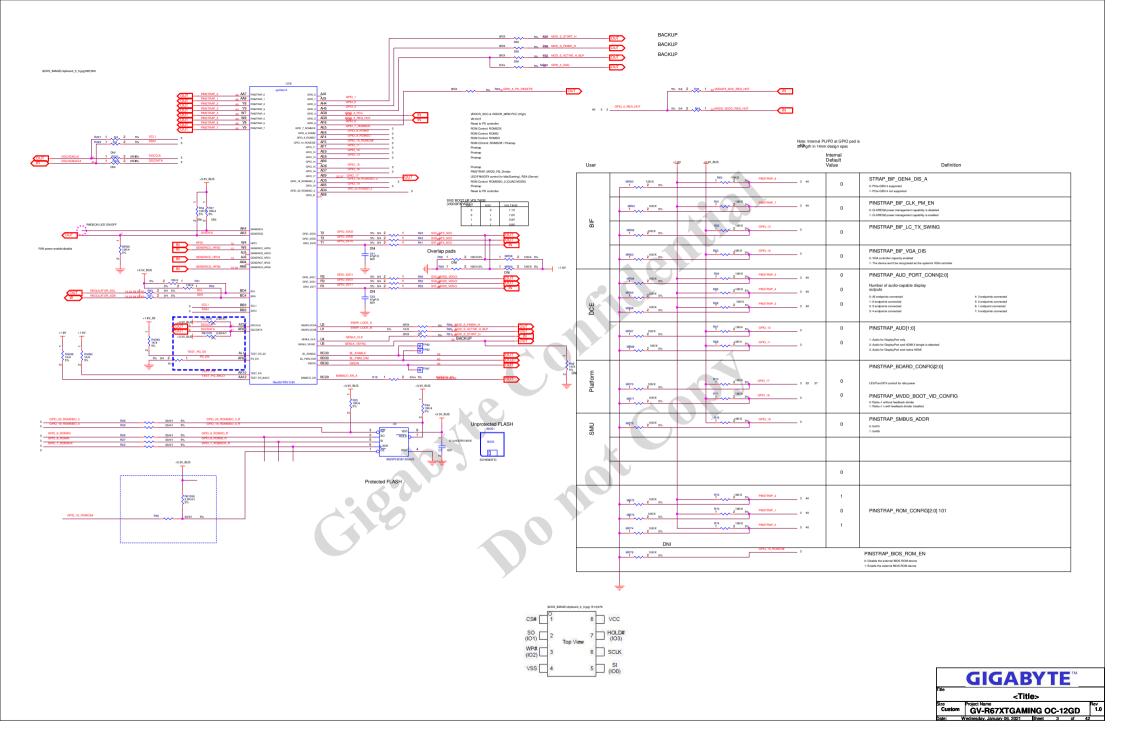
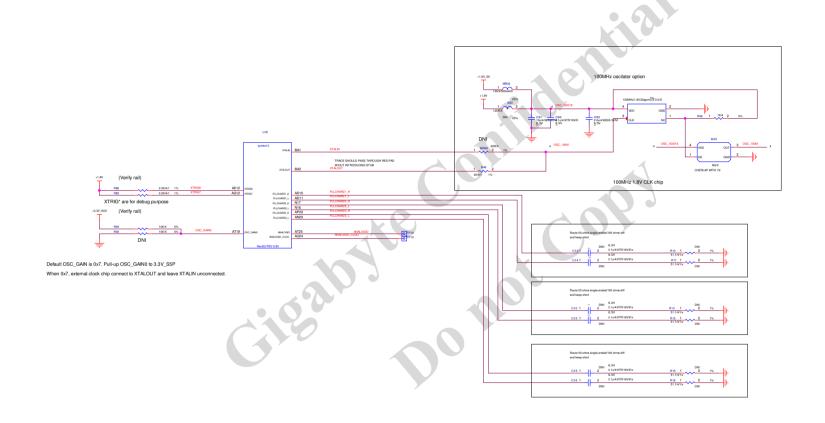
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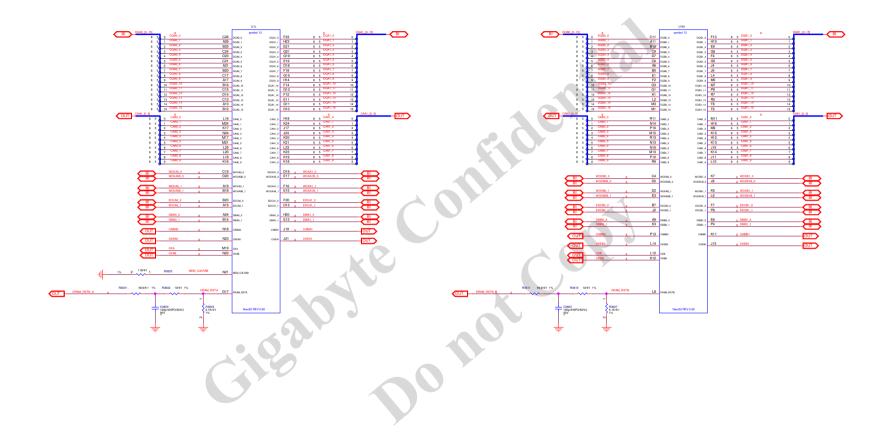
SHEET NAME	SHEET NO.	SHEET NAME				
TOC	26	VDDCR_GFX PHASES 6				
NAVI22 PCle Interface	27	VDDCR_SOC_PHASE 1 and 2				
NAVI22 GPIOs	28	MVDD_VDDCI CONTROLLER				
NAVI22 XTAL	29	REG MVDD				
NAVI22 MEM CHAB	30	REG VDDCI				
NAVI22 MEM CHCD	31	SMALL RAIL LDO				
NAVI22 MEM CHEF	32	NAVI22 DECAPS				
GDDR6 MEM CHAB	33	NAVI22 POWER				
GDDR6 MEM CHCD	34	NAVI22 GND				
GDDR6 MEM CHEF	35	POWER MANAGEMENT				
NAVI22 TMDPAB - USB-C/DP	36	SVI2 & BAMACO				
NAVI22 TMDPCD- HDMI	37	MECHANICAL & THERMAL				
NAVI22 TMDPEF - DP/DP	38	RADEON Lighterbar				
NAVI22 TMDPA	39	PI Debug				
NAVI22 USB	40	DEBUG				
PD Controller	41	BLOCK DIAGRAM				
USB-C PORT 1& DP	42	REVISION HISTORY				
3.3V_AUX						
USB_5V_1.8V_0.75V	_					
MODS CONTROL & POWER						
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VDDGFX_SOC CONTROLLER						
VDDCR_GFX PHASES 2 and 5						
VDDCR_GFX PHASES 1 and 4						
VDDCR_GFX PHASES 3 and 7						
Gilgalo 3						
	TOC  NAVIZZ PCIe Interface  NAVIZZ GIPOS  NAVIZZ XTAL  NAVIZZ MEM CHAB  NAVIZZ MEM CHAB  NAVIZZ MEM CHCD  NAVIZZ MEM CHCE  GDDR6 MEM CHCB  GDDR6 MEM CHCB  GDDR6 MEM CHCP  GDDR6 MEM CHCP  NAVIZZ TMDPAC- USB-C/DP  NAVIZZ TMDPAC- HOM  NAVIZZ MDPC- HOM  NAVIZZ TMDPAC- H	TOC  NAVIZZ PCIe Interface  27  NAVIZZ GIPIOS  28  NAVIZZ XTAL  29  NAVIZZ XTAL  29  NAVIZZ MEM CHAB  30  NAVIZZ MEM CHCD  31  NAVIZZ MEM CHCD  31  SCOPES MEM CHCD  32  GDDRS MEM CHCB  33  GDDRS MEM CHCP  34  GDDRS MEM CHCP  35  NAVIZZ TMDPAB - USB-CIDP  36  NAVIZZ TMDPAB - USB-CIDP  37  NAVIZZ TMDPAB - USB-CIDP  38  NAVIZZ TMDPAB - USB-CIDP  39  NAVIZZ TMDPAB  40  PP Controller  41  USB-C PORT 18 DP  42  33-JL/K  USB-SY-LI-V_0.75V  MODS CONTROLLER  MODGS CONTROLLER  VDDGFK, SOC CONTROLLER  VDDGFK, SOC CONTROLLER  VDDGFK, SOC CONTROLLER  VDDCR GFK PMASES 2 and 5				



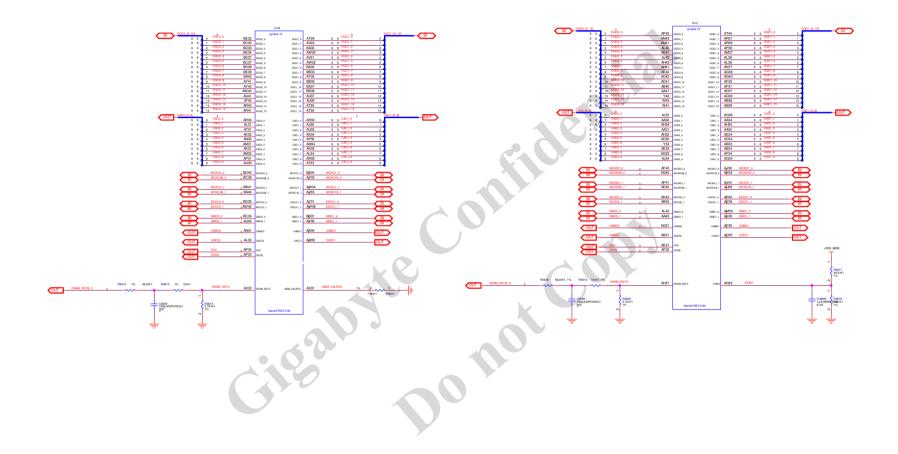




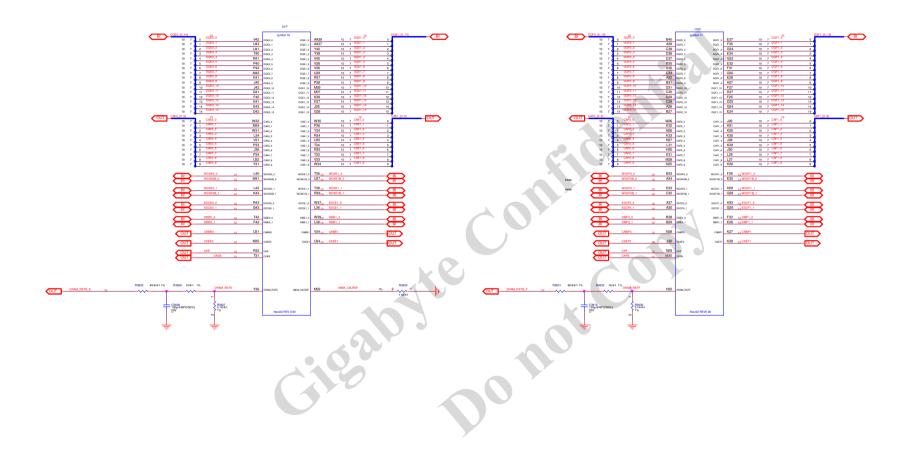




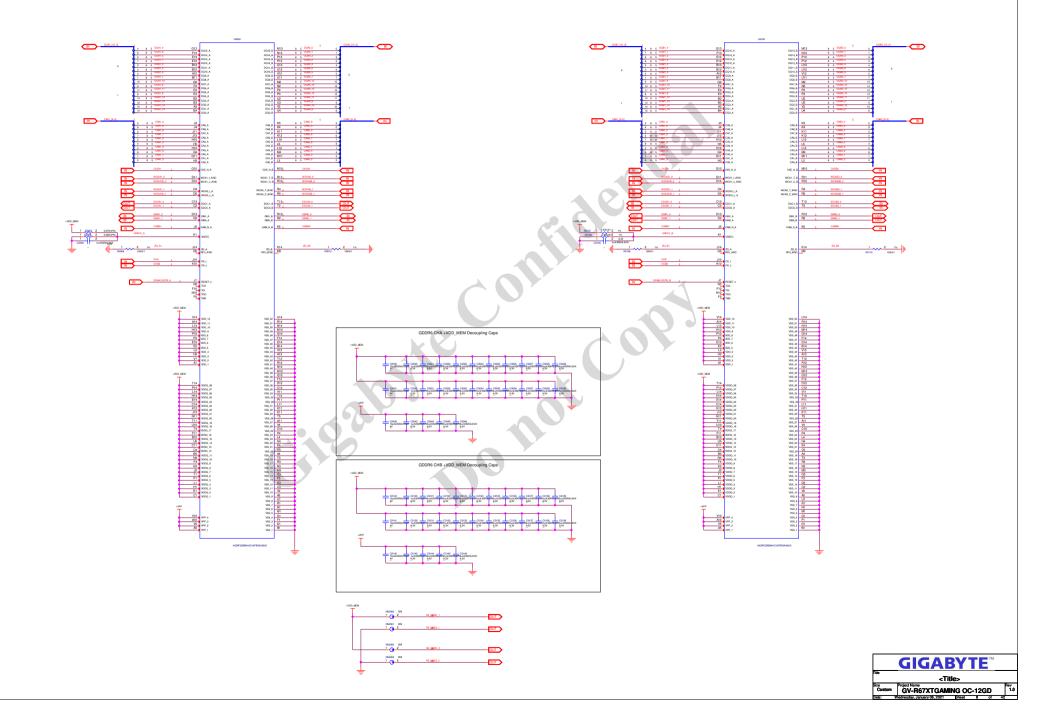
| Custom | GV-R67XTGAMING OC-12GD | Date: | Wednesday January 05, 2021 | Sheet | S | of | 42

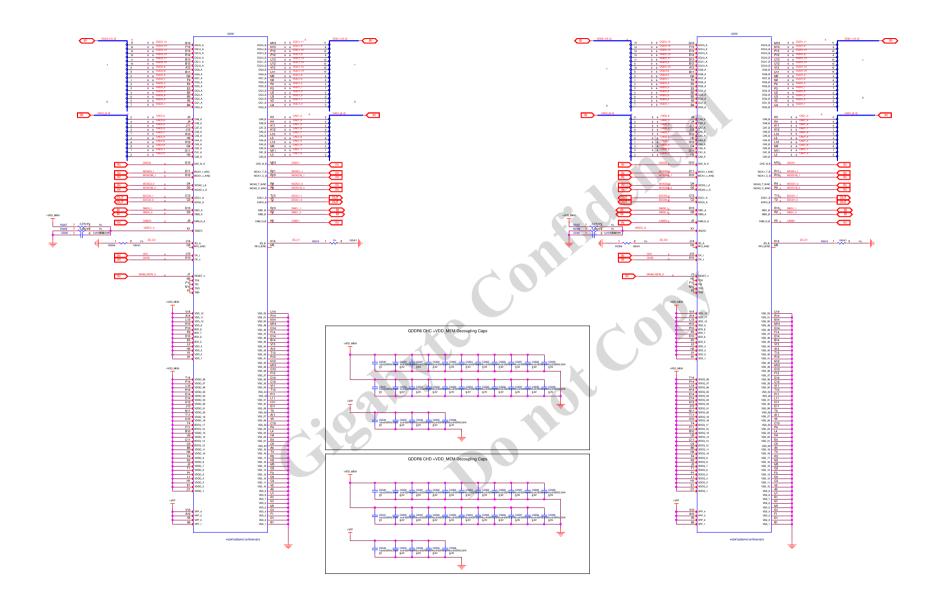


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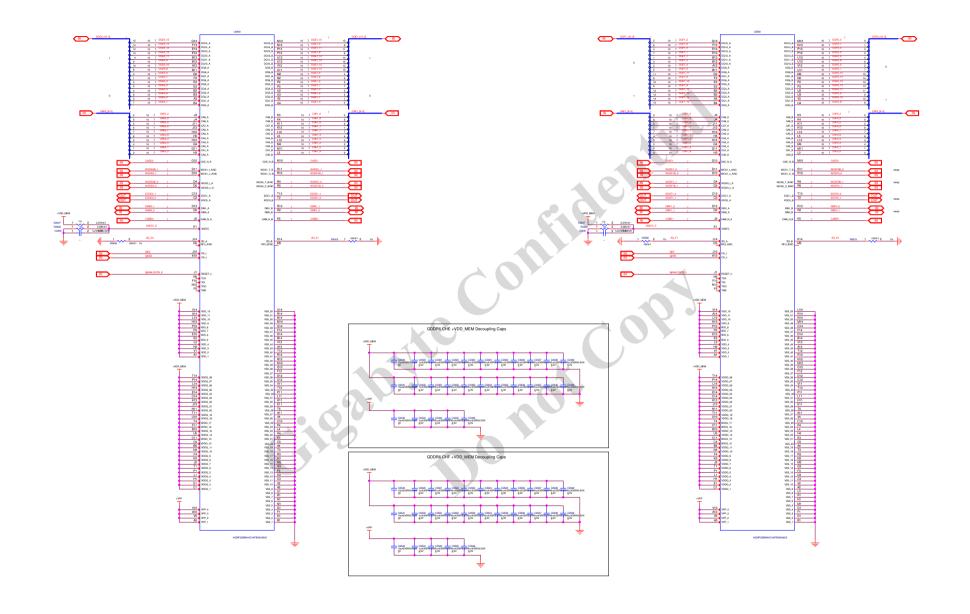


| Custom | Poject Name | Custom | GV-R67XTGAMING OC-12GD | Custom | Wetneday, January 05, 2021 | Sheet 7 of 42

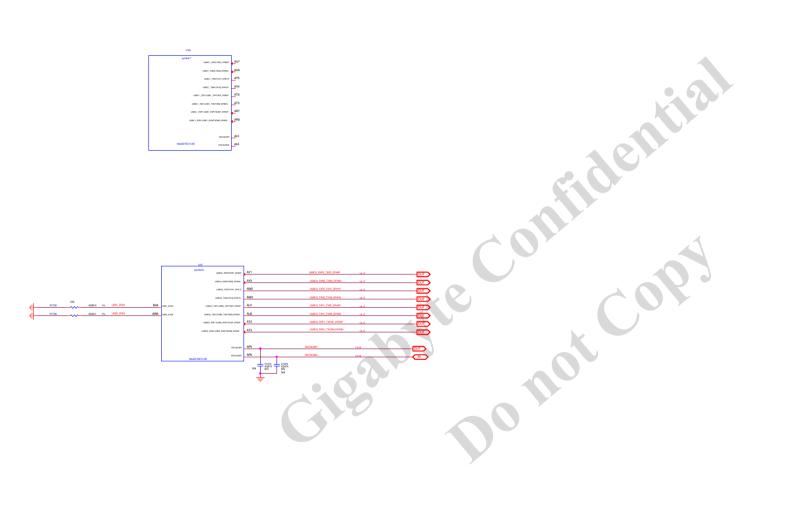










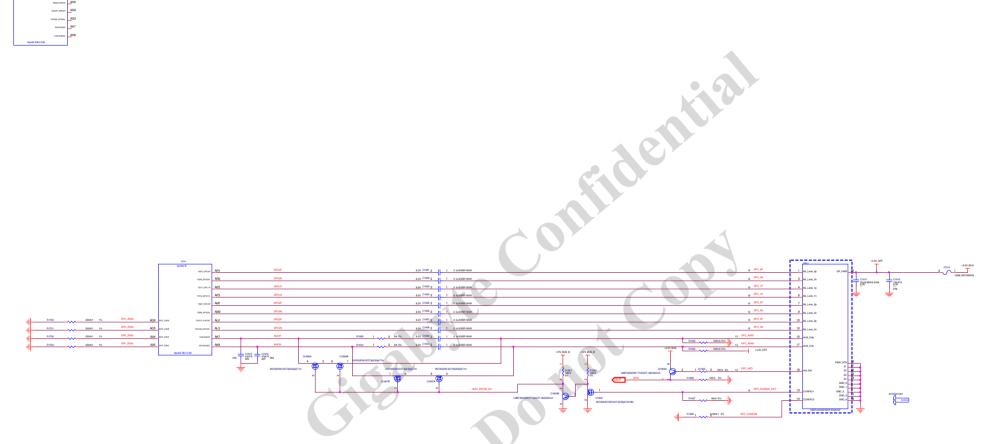


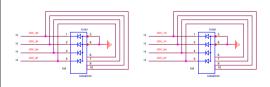
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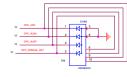
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#### NAVI22 TMDP C/D



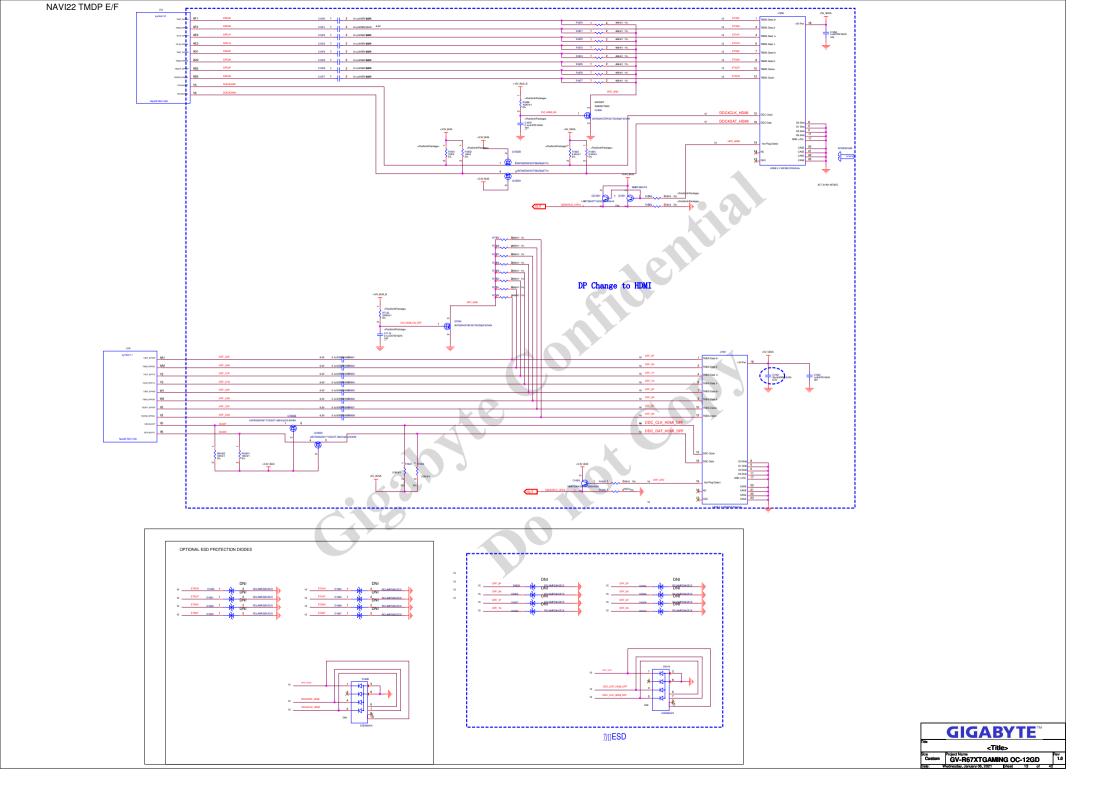


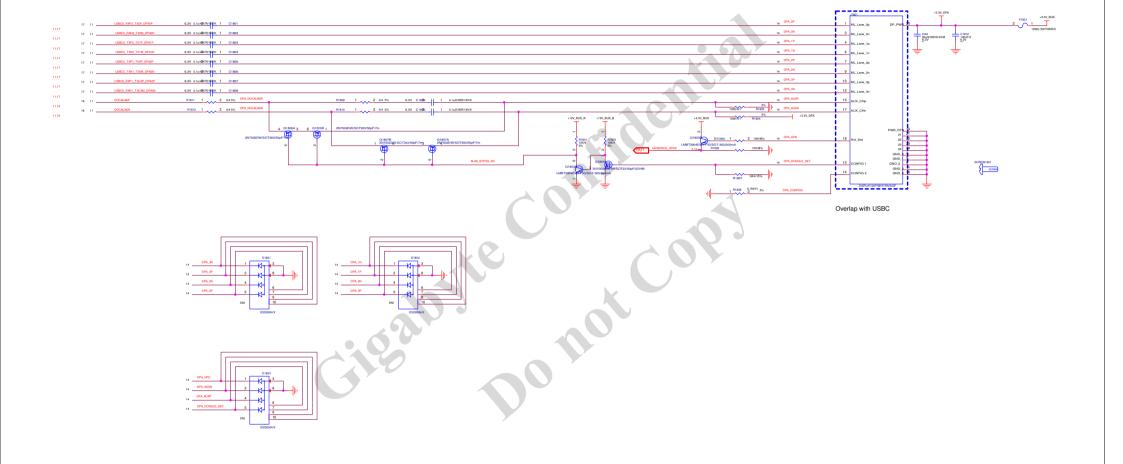




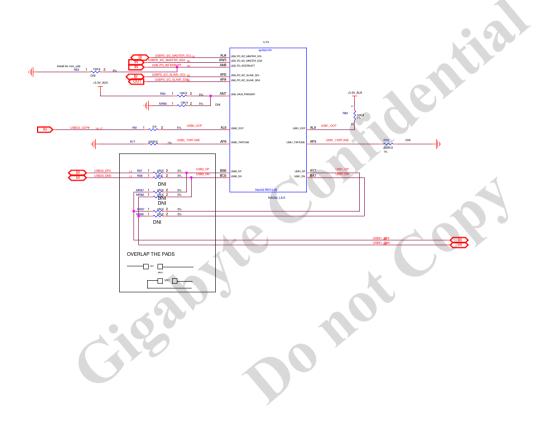
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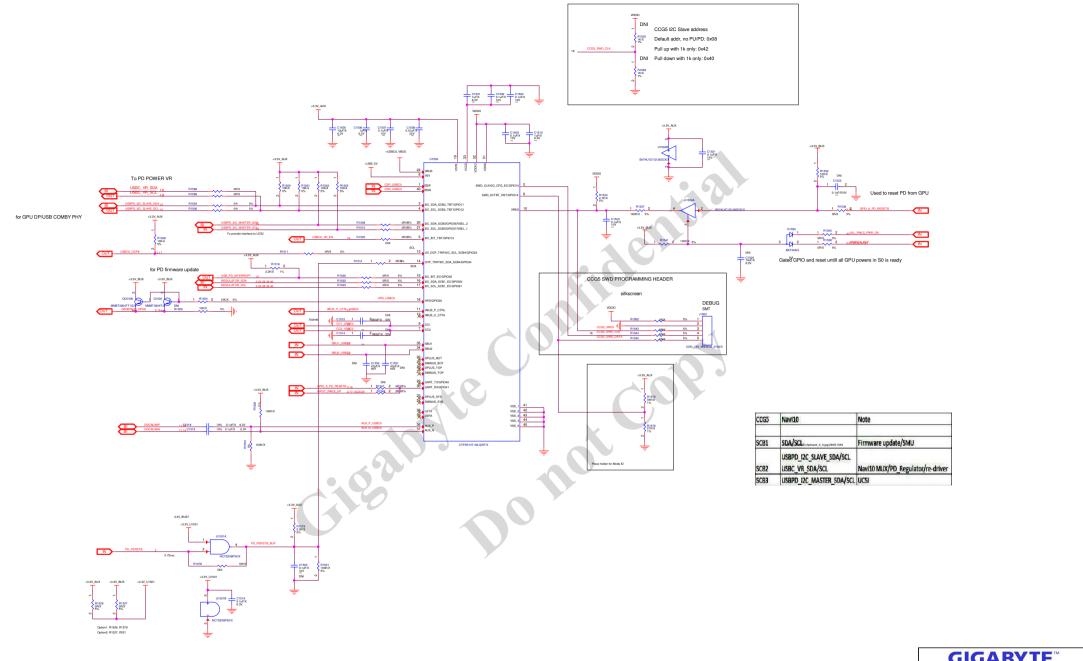
Size Project Name GV-R67XTGAMING OC-12GD 1.0



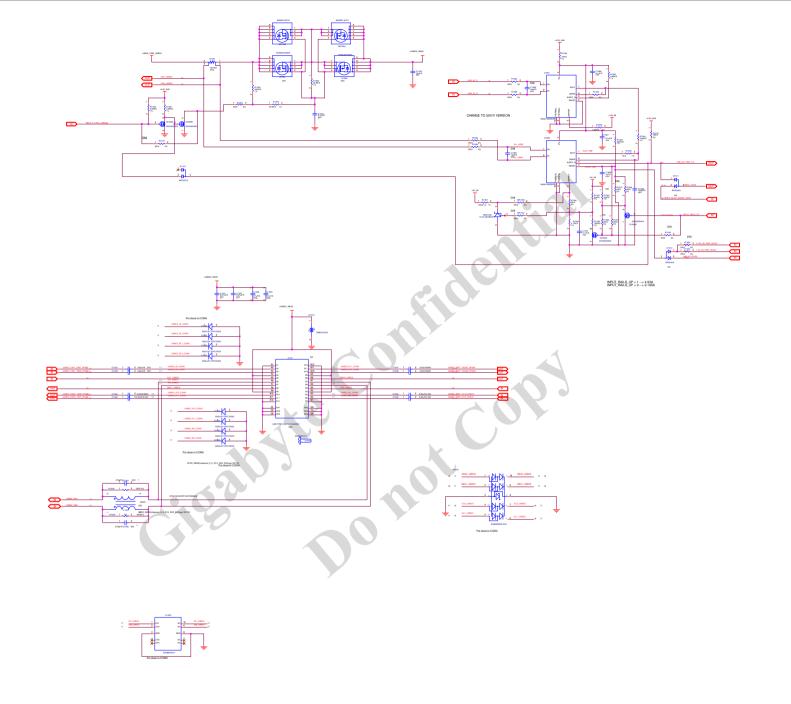


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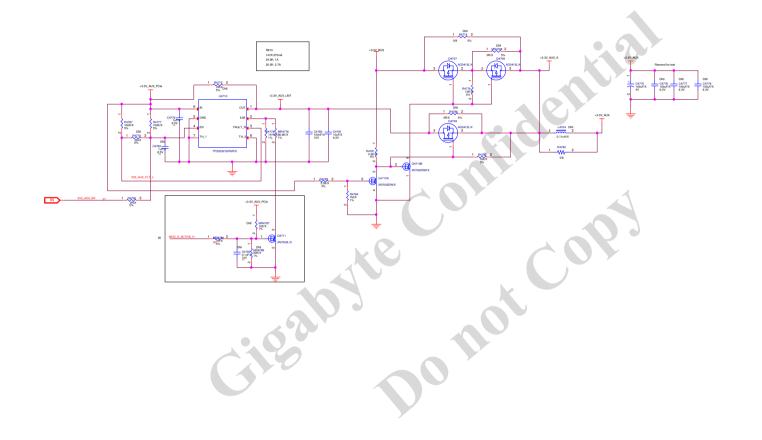




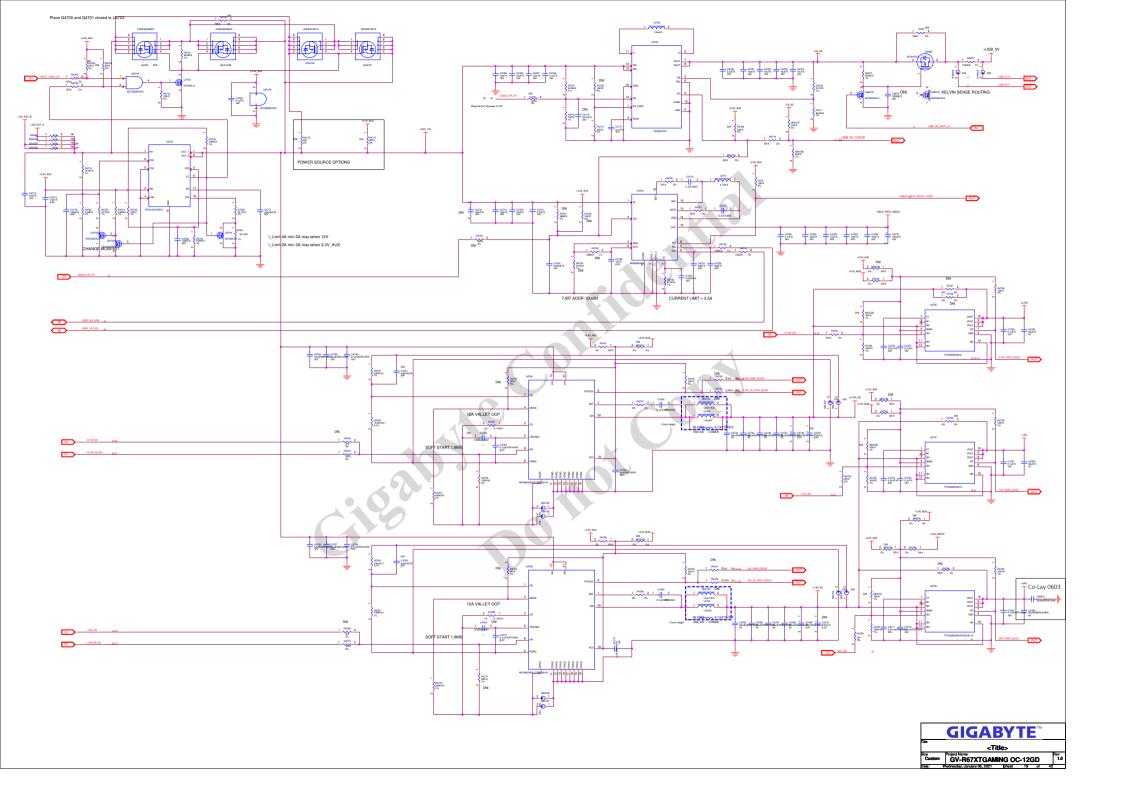


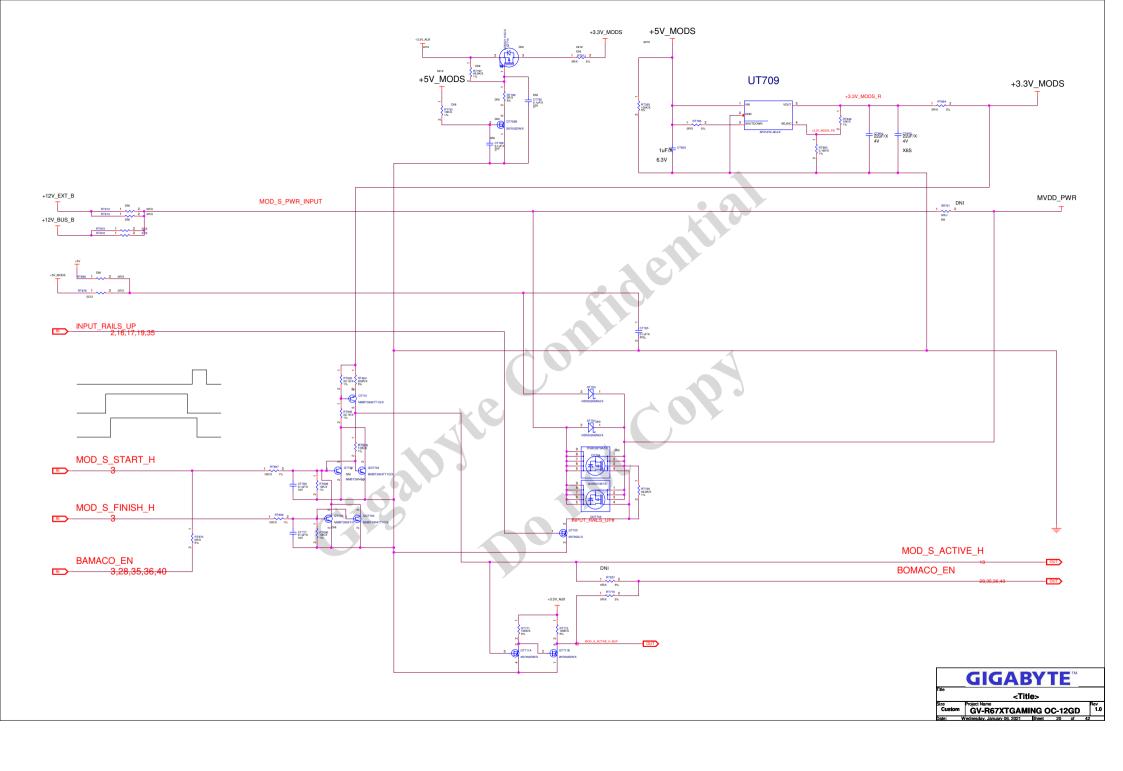


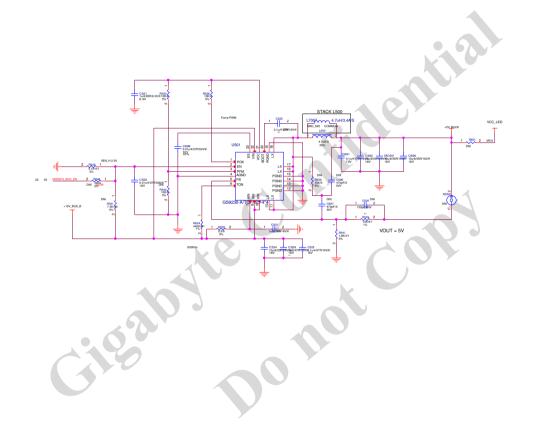


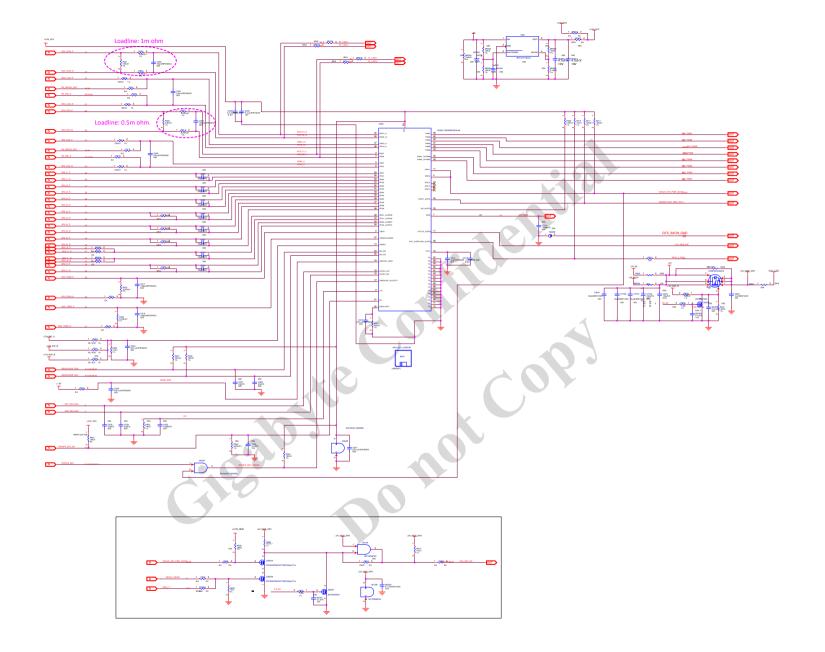


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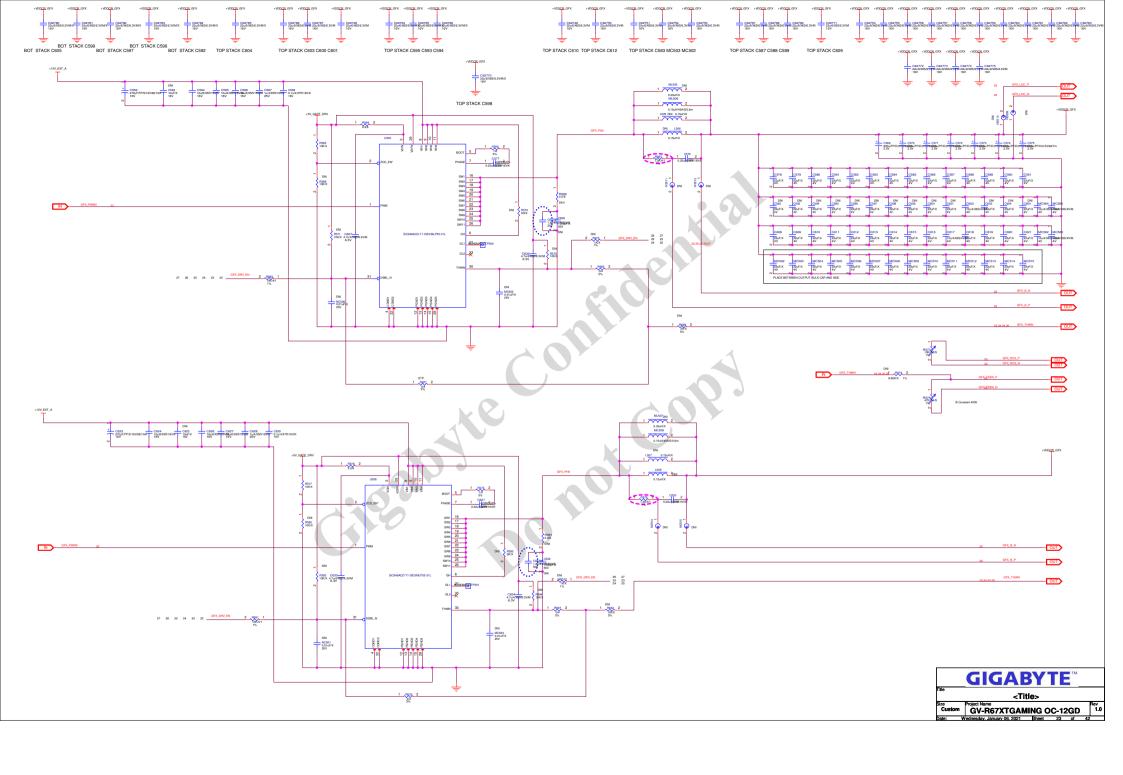


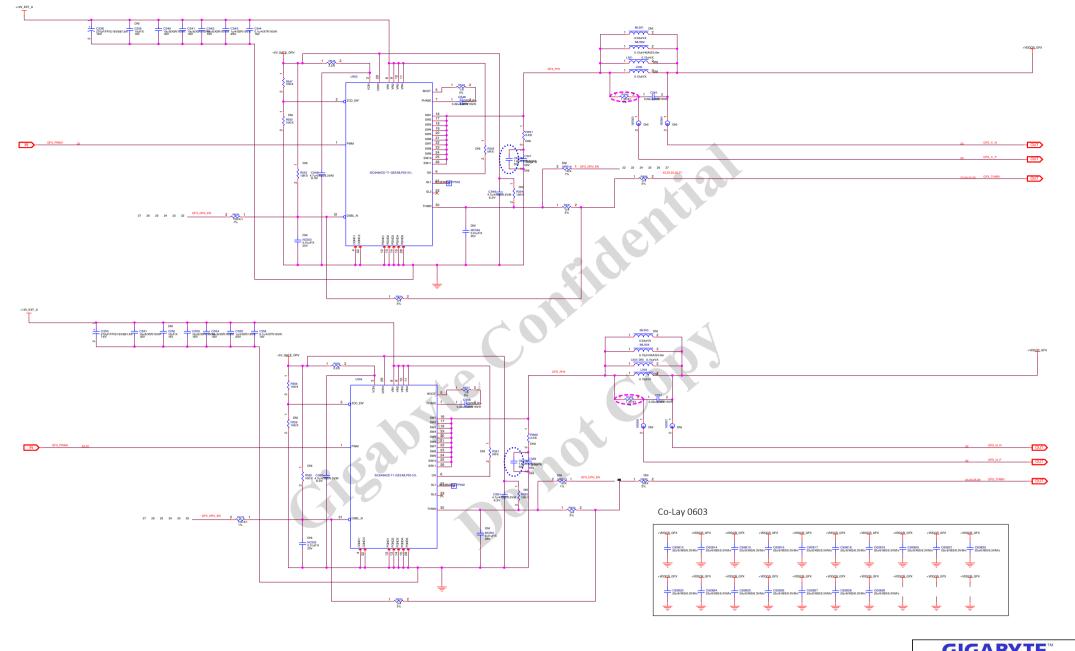




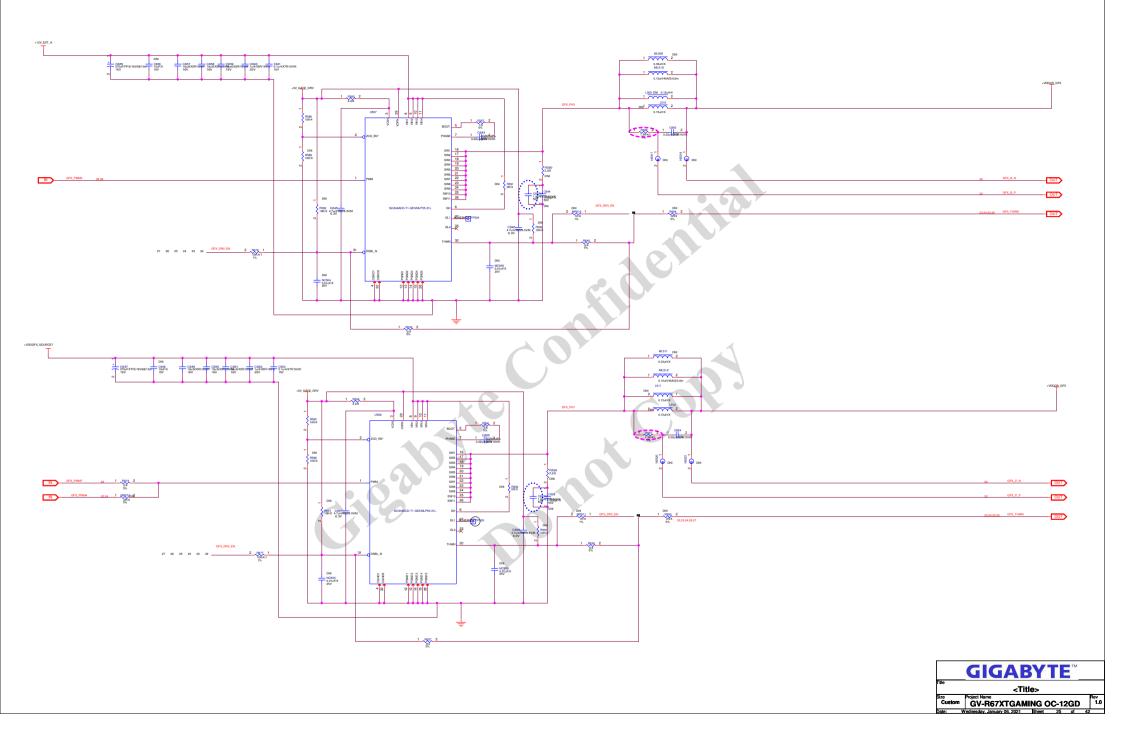


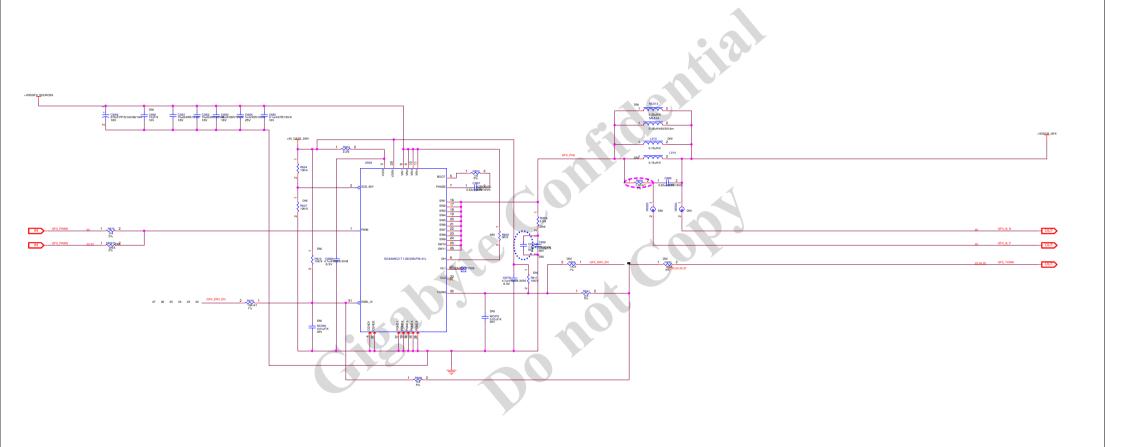




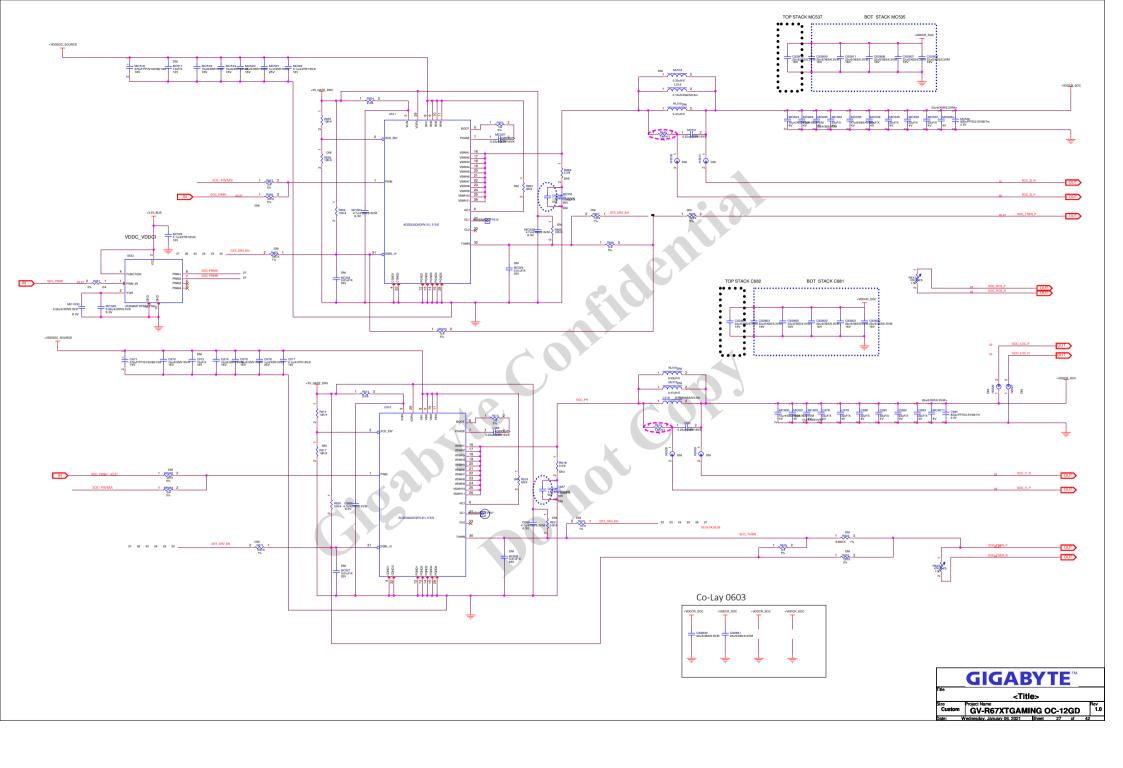


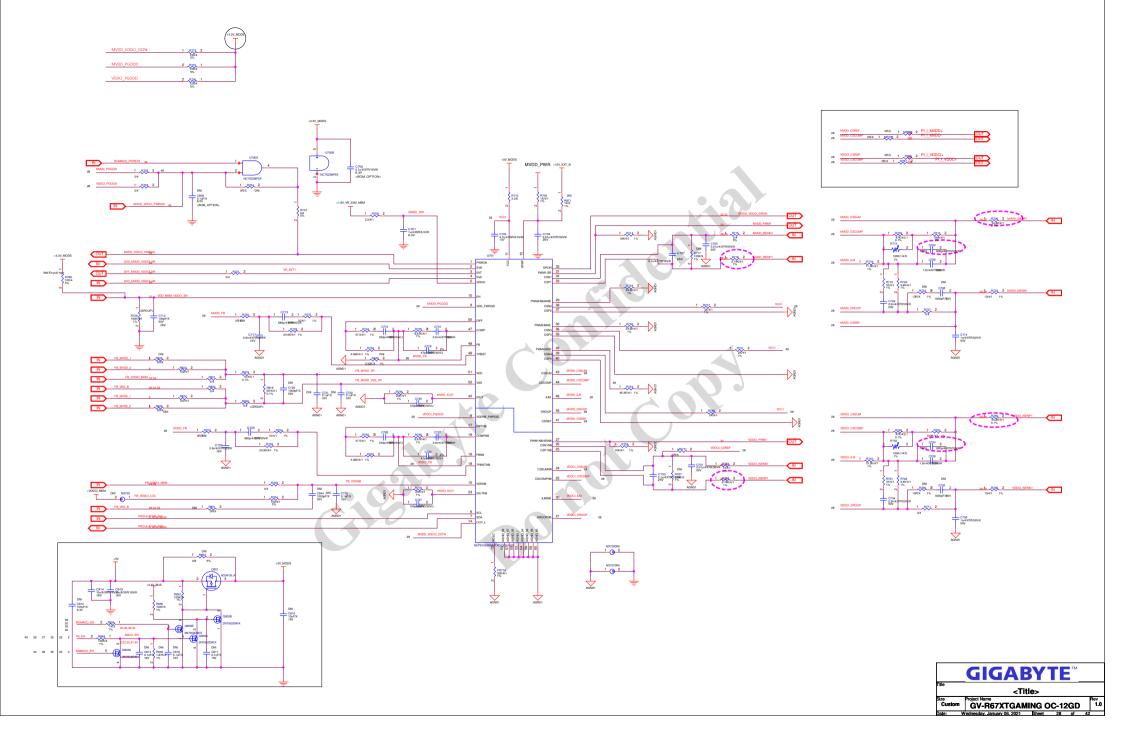


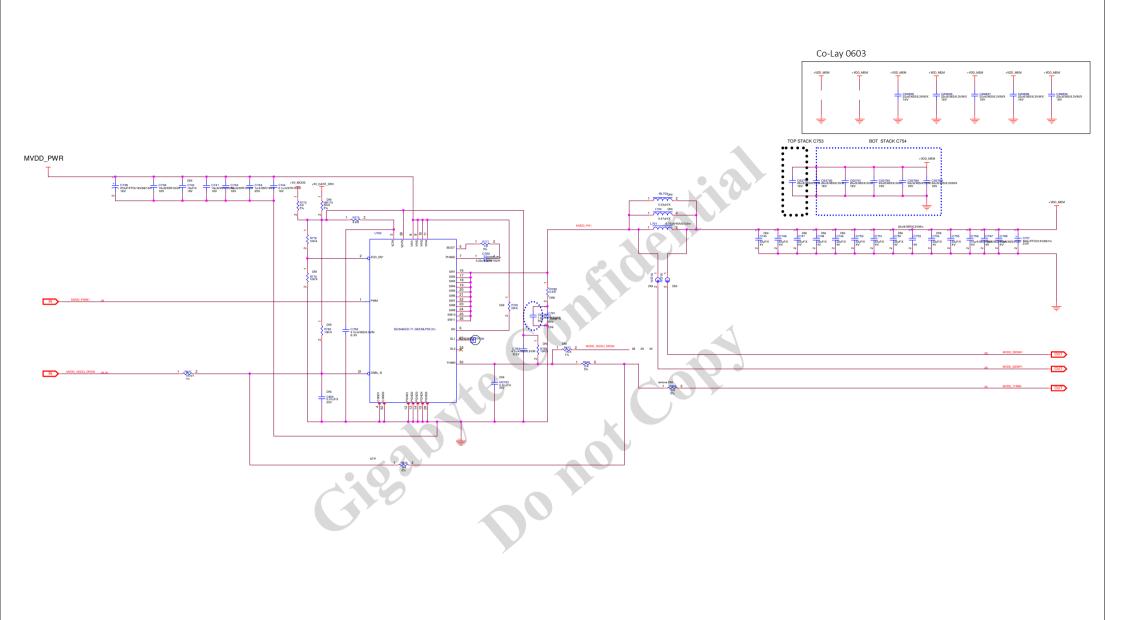




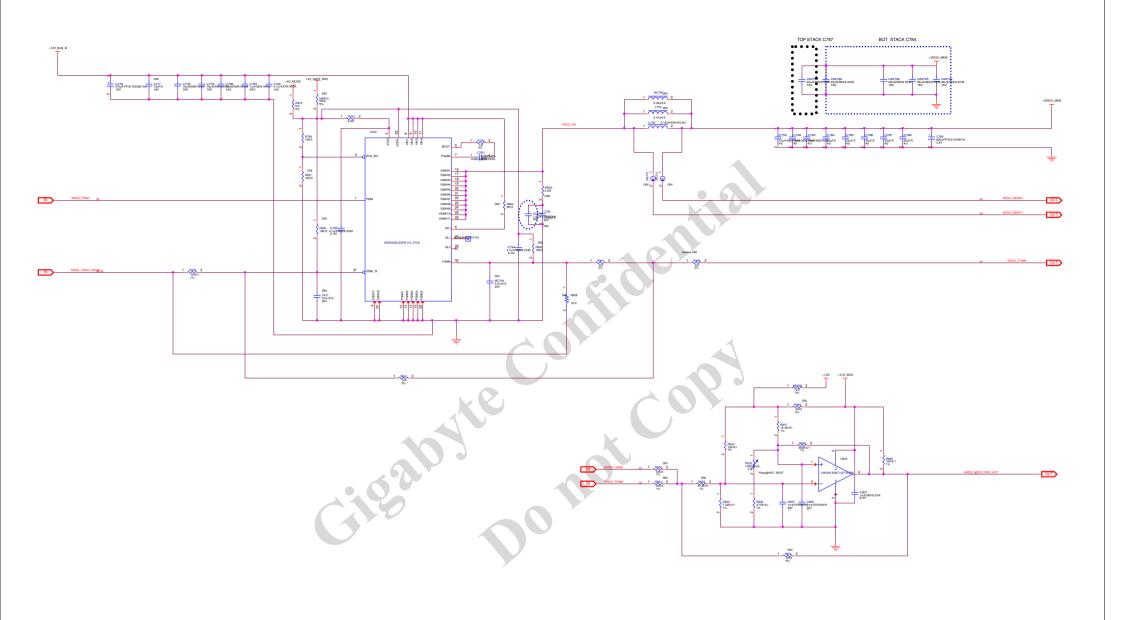
**GIGABYTE**<sup>™</sup>





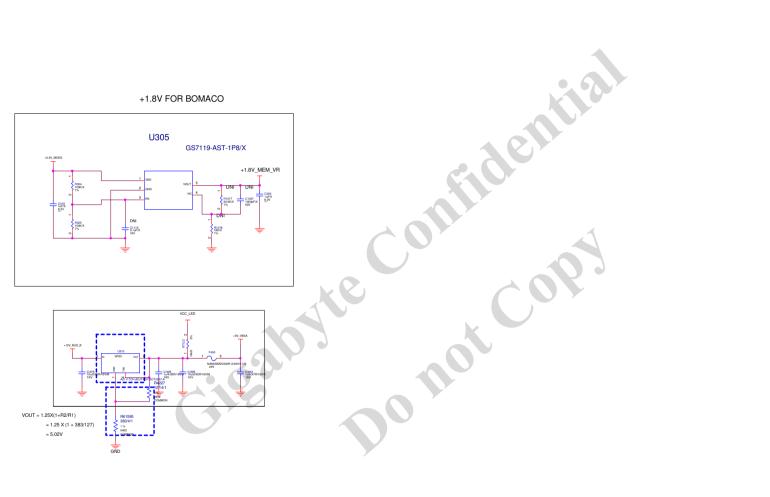


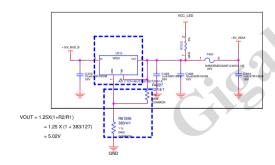




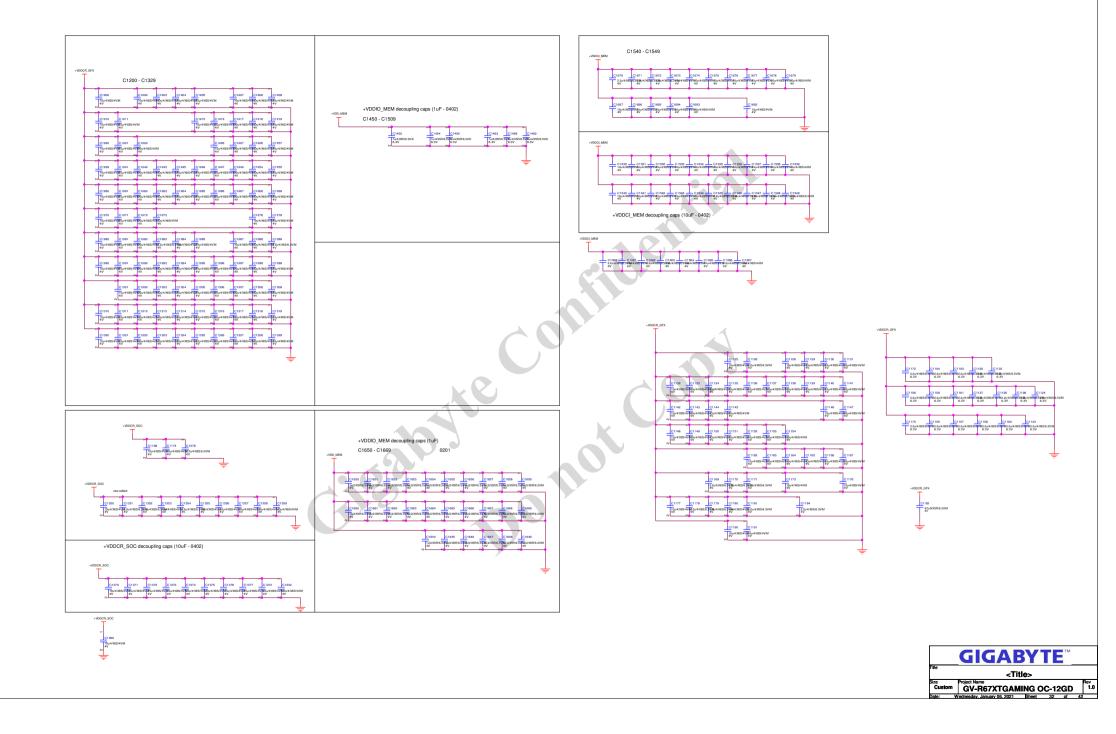


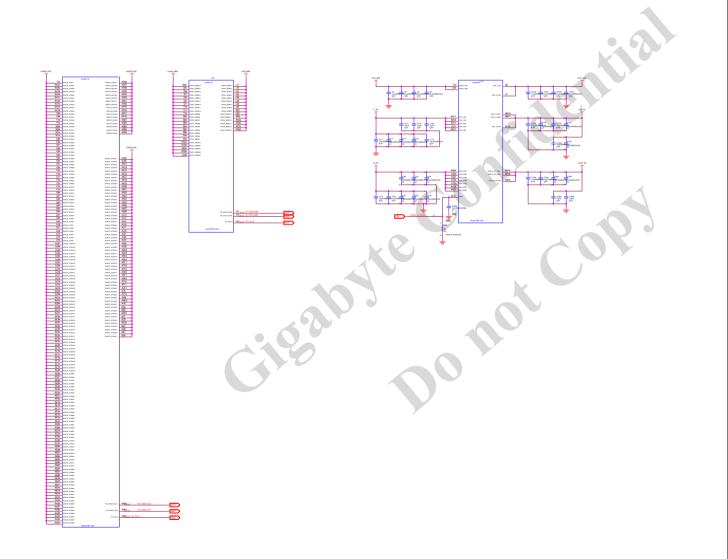
#### +1.8V FOR BOMACO

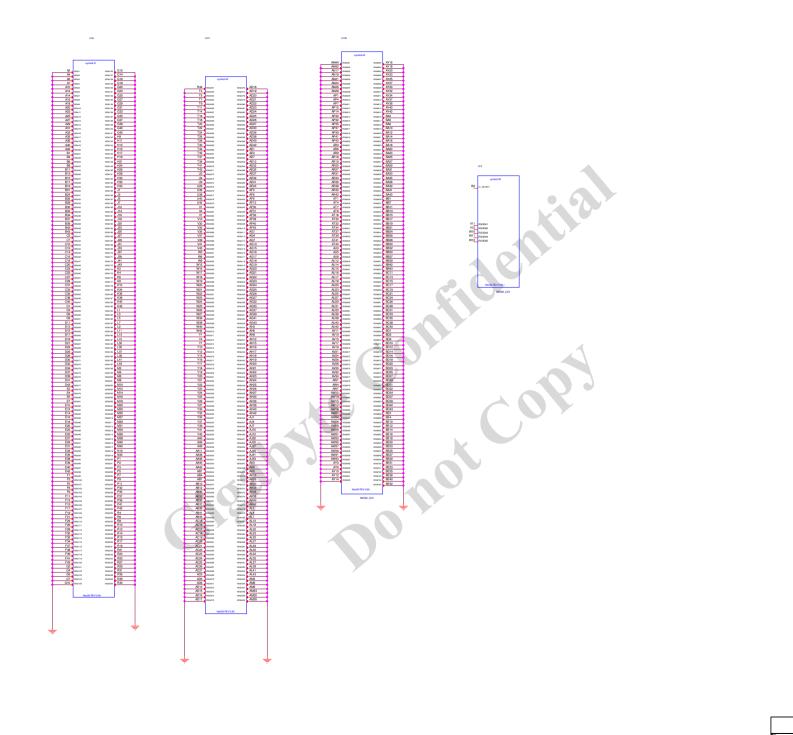




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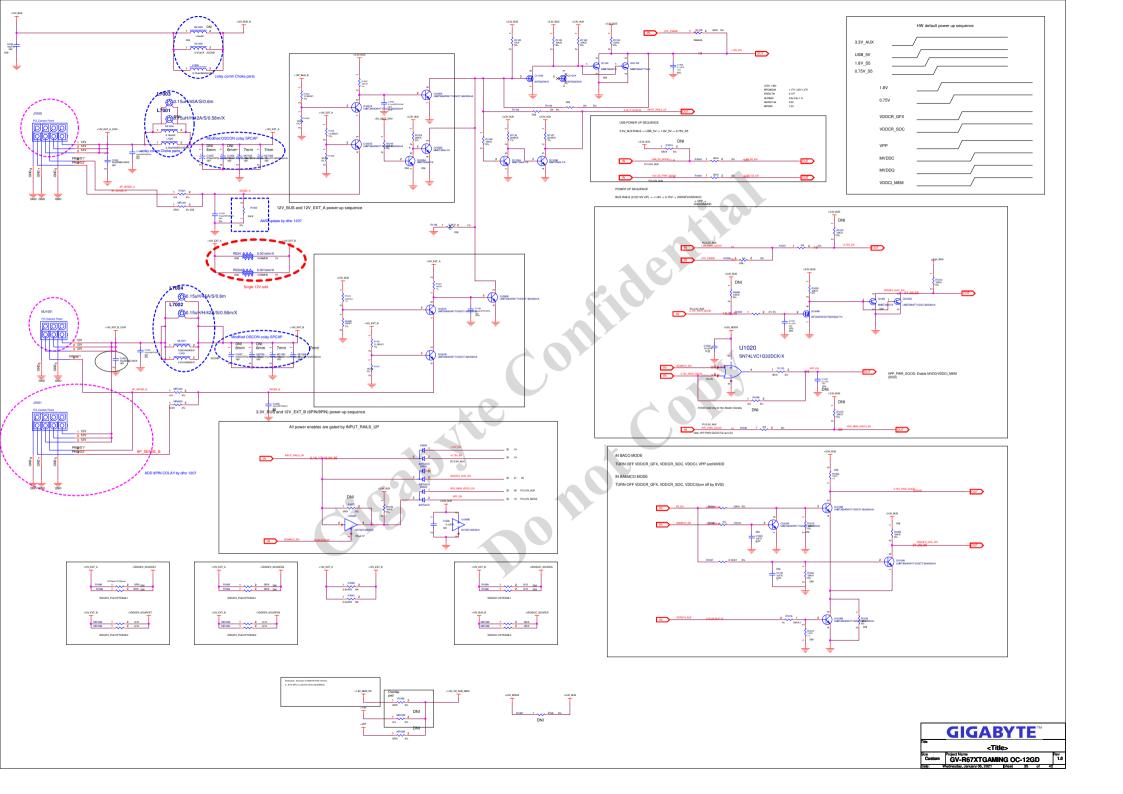


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Froject Name

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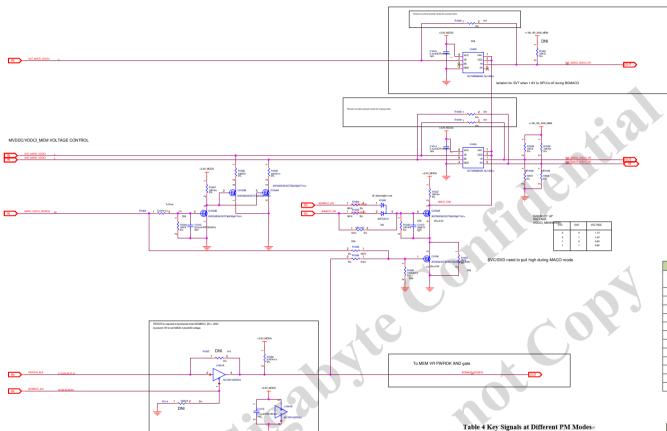


Table 3 Power Rails Status at BAMACO Mode

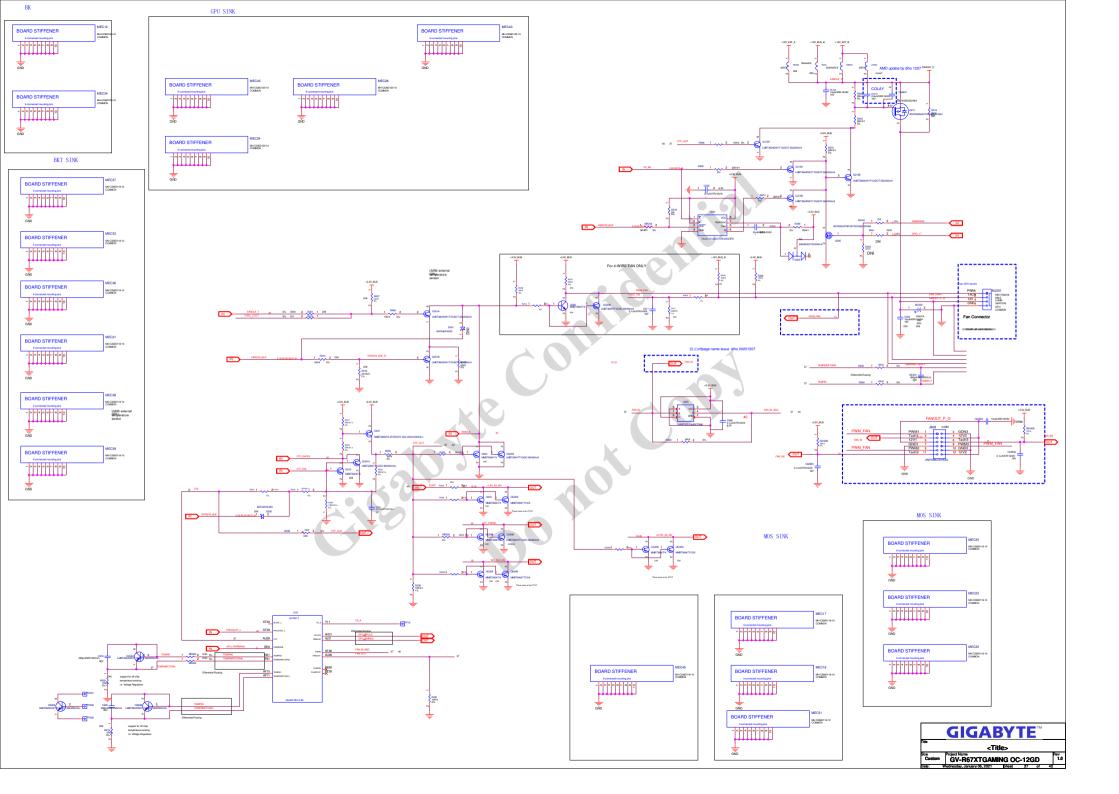
Power Rail at ASIC	Used logic	ON/OFF Status
VDDCR_GFX₽	GFX IP, SDMA, GFXCLK CLKIP+	OFF₽
VDDCR_SOC ₽ 8000	SYS IPse	OFF₽
VDDCI MEM€	MEM PHY₽	OFF€
VDDIO MEM₽	MEM PHY₽	ON₽
MVDDC/MVDDQ/VPP+	DRAM.	ON€
VDDCR BACO∉	NBIO/THM/MP1/USB+	ON₽
VDDIO PCIE	PCIe PHY	ON€
VDDAN C₽	PHY.	ON₽
VDDAN 18₽	PLL, PHY, etc.	ON₽
VDDIO 18₽	1.8V GPIO, I2C, etc.	ON€
VDDIO 33@	3.3V GPIO₽	ON₽
VDDAN * EFUSE₽	EFUSE₽	ON₽
VDDCR S5*₽	USB₽	ON₽

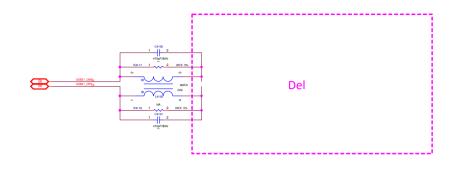
Table 3 Power Rails Status at BOMACO Mode-

Power Rail at ASIC	Used logic∉	ON/OFF Status for BOMACO-A+ OFF+
VDDCR_GFX₽	GFX IP, SDMA, GFXCLK CLKIP↔	
VDDCR SOC₽	SYS IPs₽	OFF₽
VDDCI MEM	MEM PHY₽	OFF₽
VDDIO_MEM∂	MEM PHY₽	ON∉
MVDDC/MVDDQ/VPP@	DRAM₽	ON€
VDDCR BACO	NBIO/THM/MP1/USB+	OFF∉
VDDIO PCIE₽	PCIe PHY≠	OFF₽
VDDAN C₽	PHY₽	OFF₽
VDDAN 18₽	PLL, PHY, etc.	OFF₽
VDDIO 18₽	1.8V GPIO, I2C, etc.	OFF€
VDDIO 33₽	3.3V GPIO₽	OFF↔
VDDAN * EFUSE₽	EFUSE₽	OFF₽
VDDCR S5*₽	I ISB at	ONe

## 

BOMACO EN-	SVC PU/PD	SVD PU/PD
HIGH₽	PU.	PU₽
LOW	hootVIDe.	hootVID@



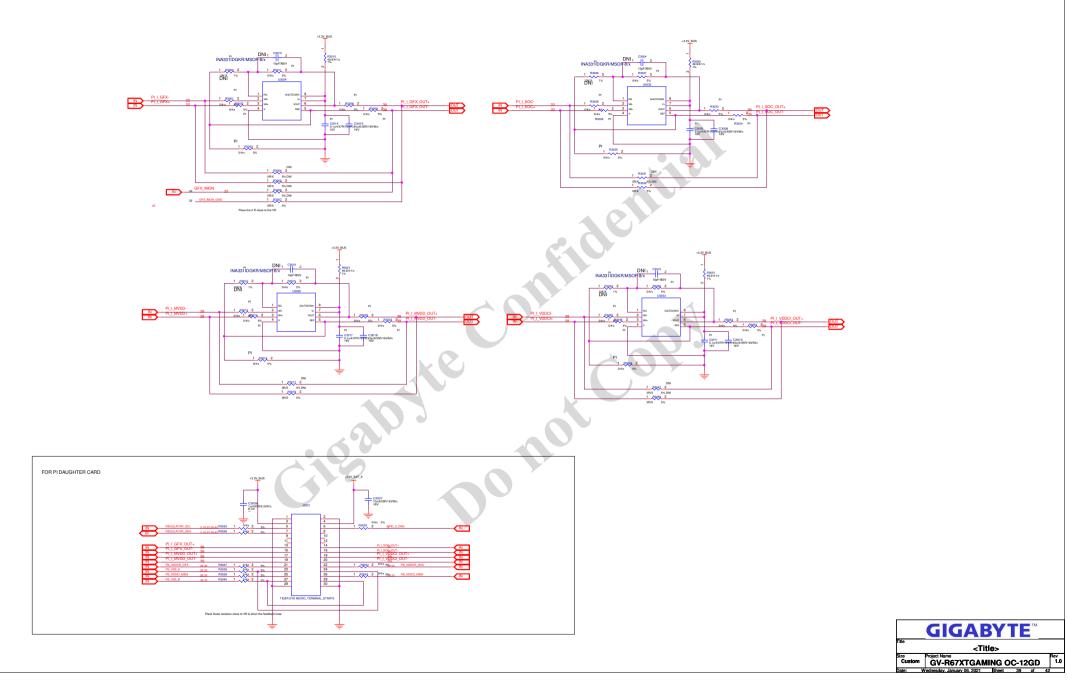


RADEON Lightbar header

Del

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