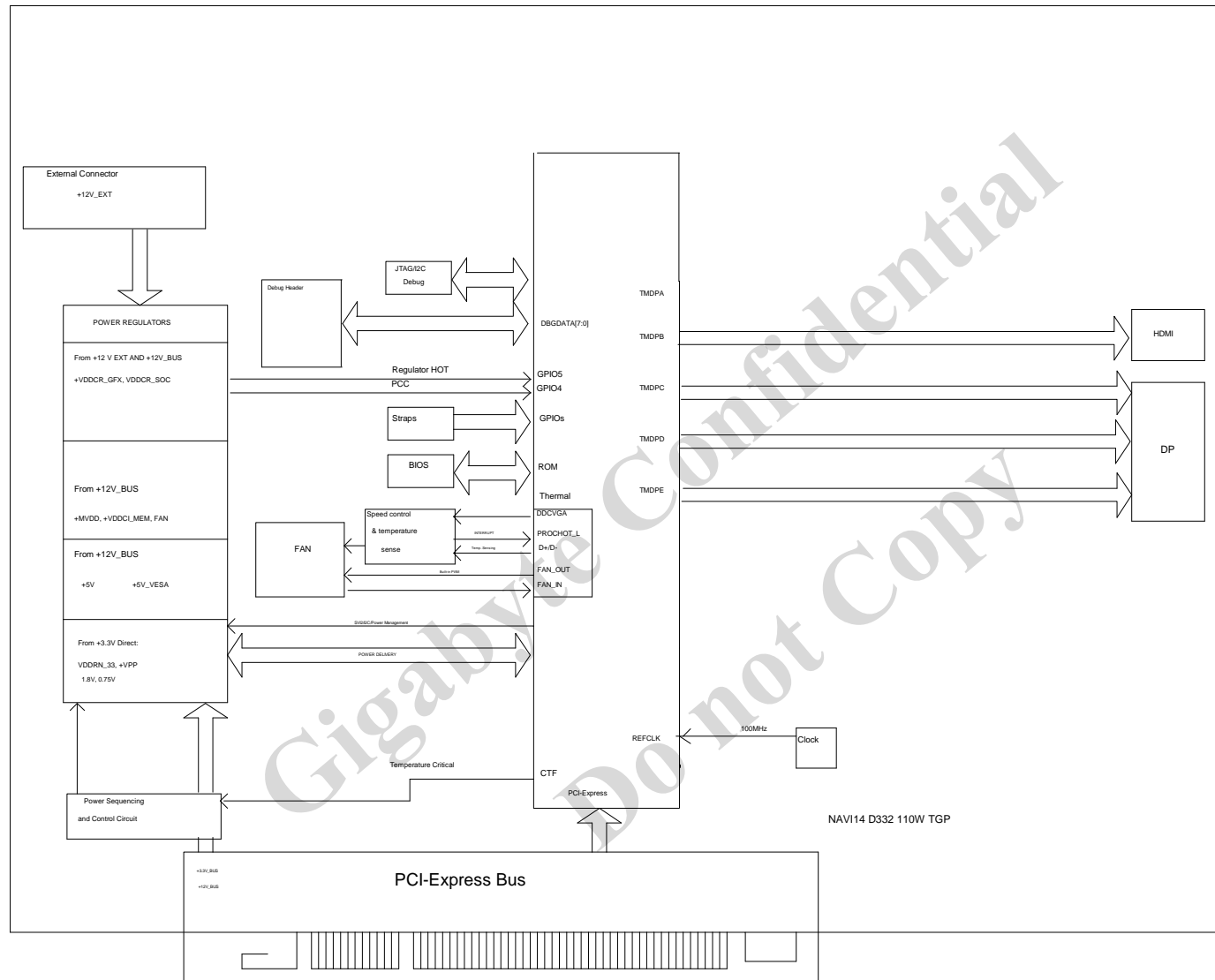


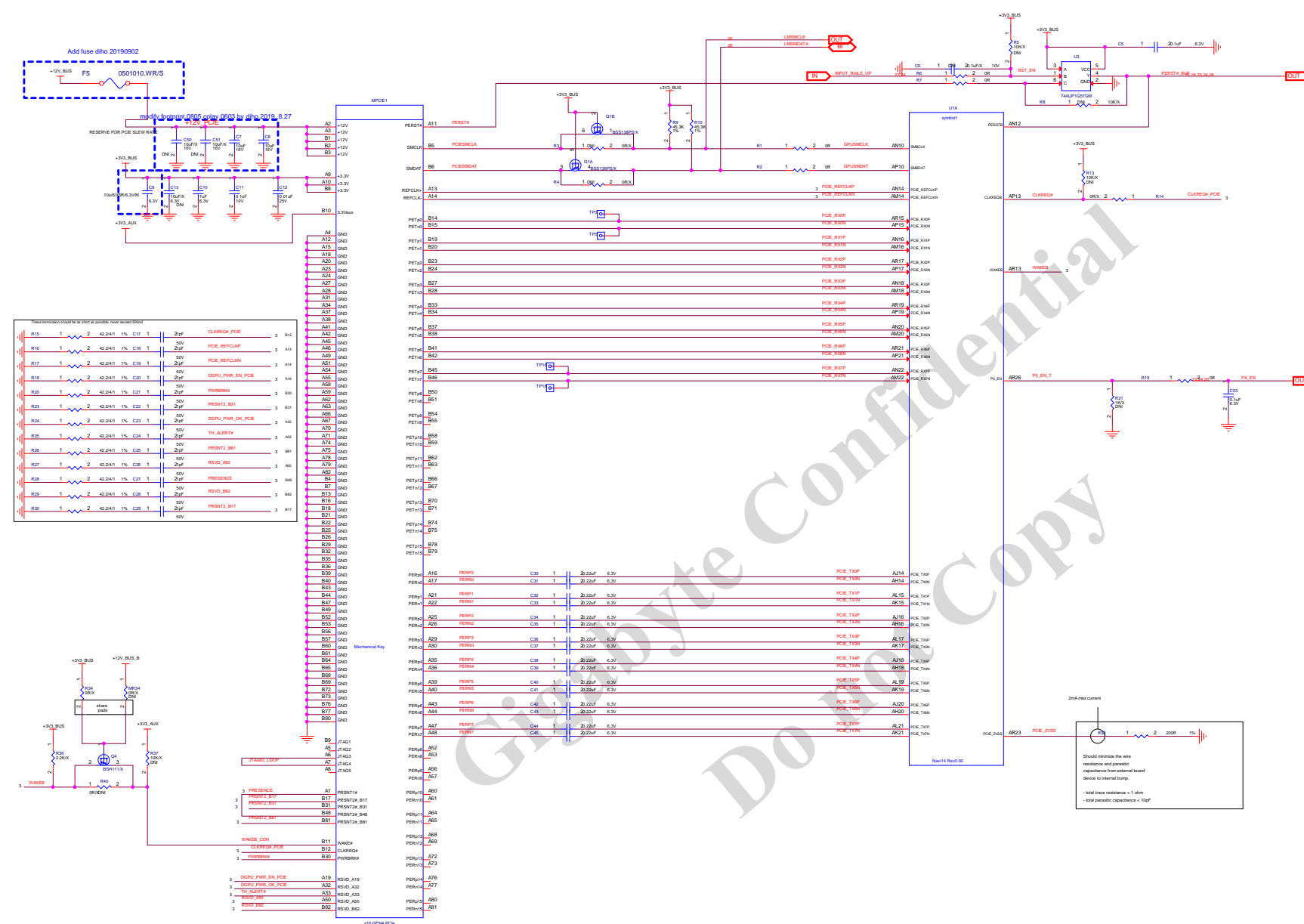
NAVI14 GDDR6 4PCS,10L 3xDPs +1xHDMI



105-D332xx-00B RevB Desktop board(110W TGP)

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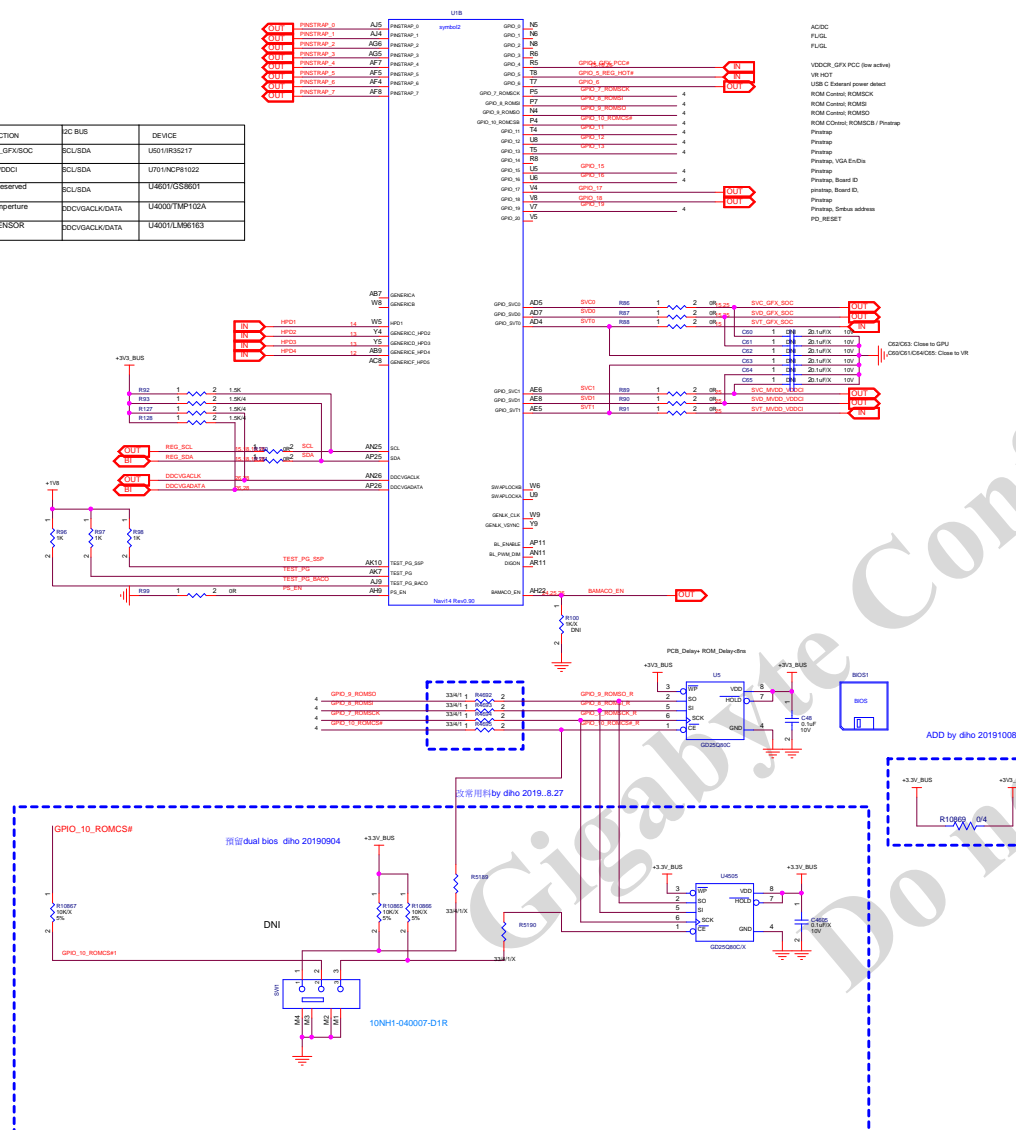
SHEET NO.	SHEET NAME	SHEET NO.	SHEET NAME
1	TOC	26	DEBUG CIRCUITS
2	BLOCK DIAGRAM	27	REVISION HISTORY
3	NAVI14 - PCIe Interface		
4	NAVI14 - GPIO, EXTRA		
5	NAVI14 - XTAL		
6	NAVI14 - POWER and GND		
7	NAVI14 - Decaps		
8	NAVI14 - MEM CH AB		
9	NAVI14 - MEM CH CD		
10	GDDR6 x16 - MEM CH AB		
11	GDDR6 x16 - MEM CH CD		
12	NAVI14 - TMDPAB - USB,HDMI		
13	NAVI14 - TMDPCD - DP,DP		
14	NAVI14 - TMDPE - DP		
15	REG VDDGFX/SOC CNTL		
16	REG VDDGFX		
17	REG VDDSOC		
18	REG PCC		
19	REG VDDCI/MVDD CNTL		
20	REG VDDCI/MVDD		
21	REG - 0V75		
22	LDO 1V8/MPPI9/5V_VESA		
23	MECHANICAL AND THERMAL		
24	POWER MANAGEMENT		
25	SVIZ		



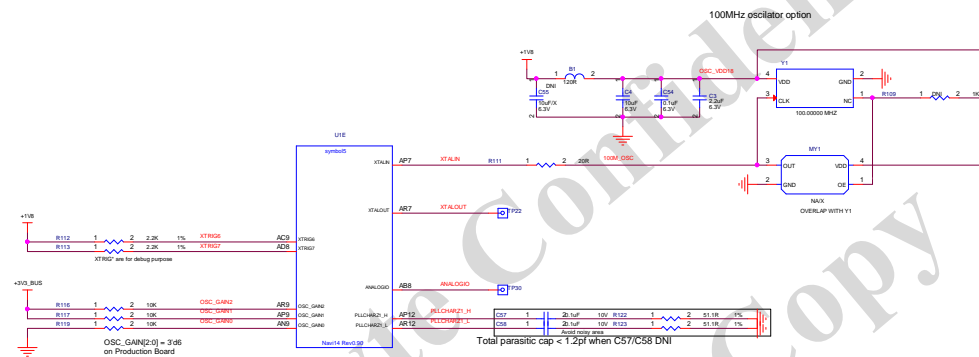


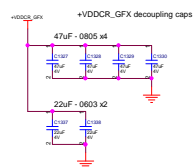
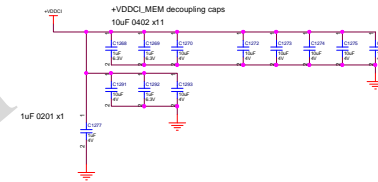
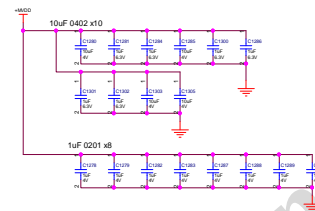
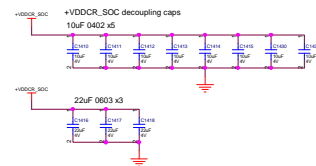
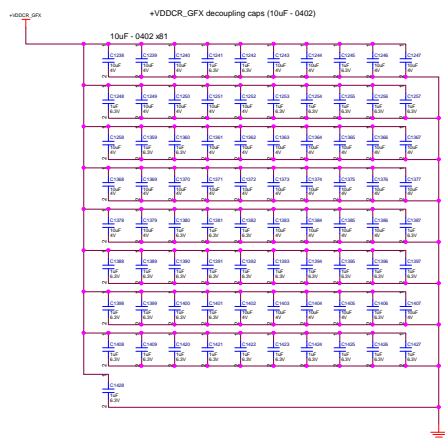
SYMBOL LEGEND	
DNI	DO NOT INSTALL
S or F	ACTIVE LOW
BUO	BRING UP ONLY
	DIGITAL GROUND
	ANALOG GROUND

7-BIT ADDRESS	8-BIT-IO ADDRESS	FUNCTION	3C BUS	DEVICE
0x30	0x60	VDDCR_GFX/SOC	BCL/SDA	U601/IR35217
0x22	0x44	MVDD/VDDCI	BCL/SDA	U701/NC9P1022
0x53	0x96	PCConfig/reserved	BCL/SDA	U4601/CS9801
0x48	0x30	G6 Temperature	DDCV/GACLK/DATA	U4000/TMP102A
0x4C	0x38	EXT SENSOR	DDCV/GACLK/DATA	U4001/LM96163

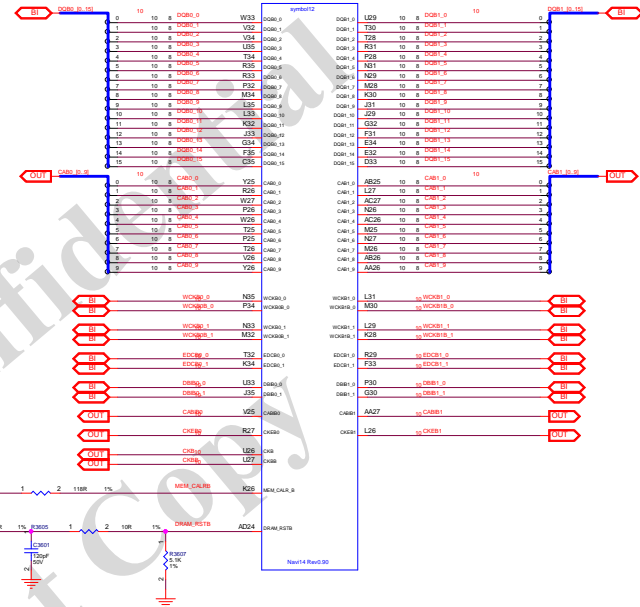


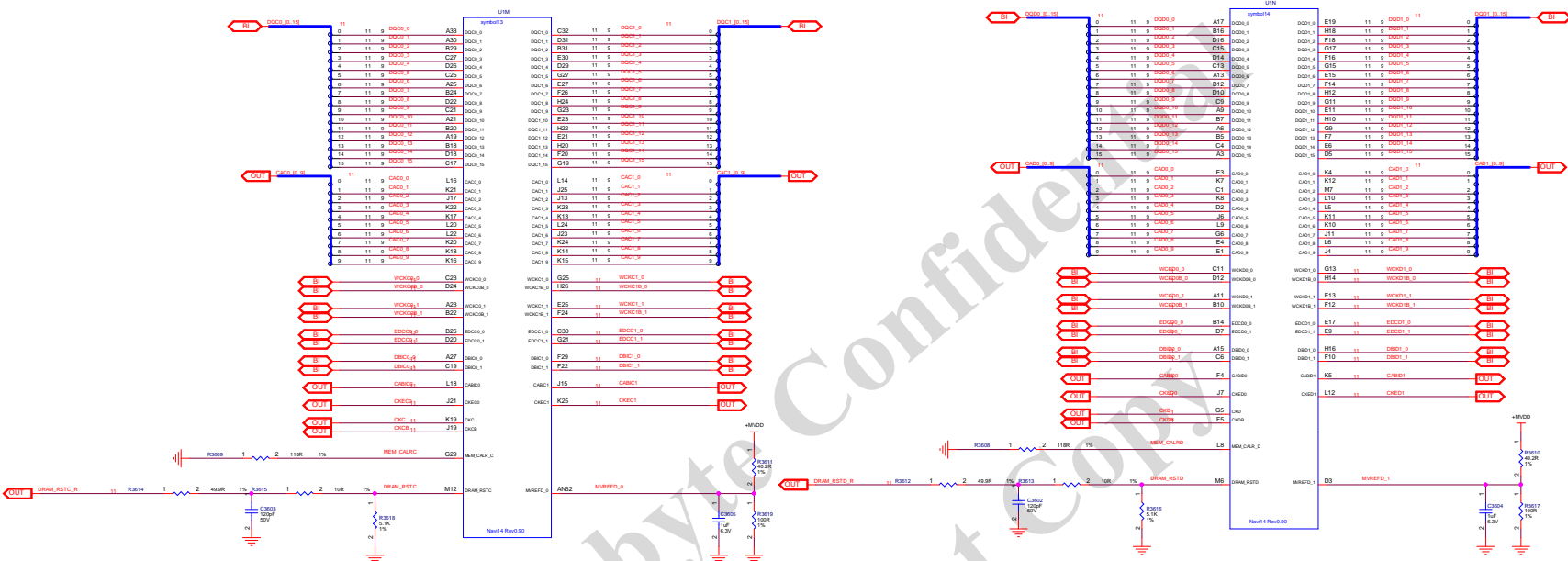
User	+3.3V_BIAS	+1.8V	Internal Default Value	Definition
BIF	R101 1 2K 10KX R102 1 2K 10KX	PINSTRAP_6	0	STRAP_BIF_GEN4_DIS_A 0: PCW GEN 4 supported 1: PCW GEN 4 not supported
	R103 1 2K 10KX R104 1 2K 10KX	PINSTRAP_7	0	PINSTRAP_BIF_CLK_PM_EN 0: CLAREDOF power management capability is disabled 1: CLAREDOF power management capability is enabled
	R105 1 2K 10KX R107 1 2K 10KX	GPIO_15	0	PINSTRAP_BIF_LC_TX_SWING 0: Full swing mode 1: Reduced swing mode(half swing)
	R108 1 2K 10KX R109 1 2K 10KX	GPIO_16	0	PINSTRAP_BIF_VGA_DIS 0: VGA controller capacity enabled 1: The device won't be recognized as the systems VGA controller
DCE	R101 1 2K 10KX R102 1 2K 10KX	PINSTRAP_5	0	PINSTRAP_AUD_PORT_CONN[2:0] Number of audio-capable display outputs
	R103 1 2K 10KX R104 1 2K 10KX	PINSTRAP_4	0	
	R105 1 2K 10KX R106 1 2K 10KX	PINSTRAP_3	0	
	R107 1 2K 10KX R108 1 2K 10KX	GPIO_12	0	
Platform	R109 1 2K 10KX R110 1 2K 10KX	GPIO_11	0	PINSTRAP_AUD[1:0] 1: Audio for DisplayPort only 2: Audio for DisplayPort and HDMI (change is detected) 3: Audio for both DisplayPort and HDMI Default(PINSTRAP3, GPIO11) = 1
	R111 1 2K 10KX R112 1 2K 10KX	GPIO_10	0	
	R113 1 2K 10KX R114 1 2K 10KX	GPIO_16	0	PINSTRAP_FIG[1:0] - No definition on NV
	R115 1 2K 10KX R116 1 2K 10KX	GPIO_15	0	
SMU	R117 1 2K 10KX R118 1 2K 10KX	PINSTRAP_2	1	PINSTRAP_BFI_MEM_AP_SIZE[2:0] or PINSTRAP_ROM_CONFIG[2:0] 100: 512KBIT (ST) M2PWRSA 101: 1MBIT (ST) M2PWRSA 101: 2MBIT (ST) M2PWRD 101: 4MBIT (ST) M2PWRD 101: 8MBIT (ST) M2PWRD 101: 16MBIT (ST) M2PWRD 101: 32MBIT (ST) M2PWRD 101: 64MBIT (ST) M2PWRD 101: 128MBIT (ST) M2PWRD 101: 256MBIT (ST) M2PWRD 101: 512MBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2GBIT (ST) M2PWRD 101: 4GBIT (ST) M2PWRD 101: 8GBIT (ST) M2PWRD 101: 16GBIT (ST) M2PWRD 101: 32GBIT (ST) M2PWRD 101: 64GBIT (ST) M2PWRD 101: 128GBIT (ST) M2PWRD 101: 256GBIT (ST) M2PWRD 101: 512GBIT (ST) M2PWRD 101: 1GBIT (ST) M2PWRD 101: 2

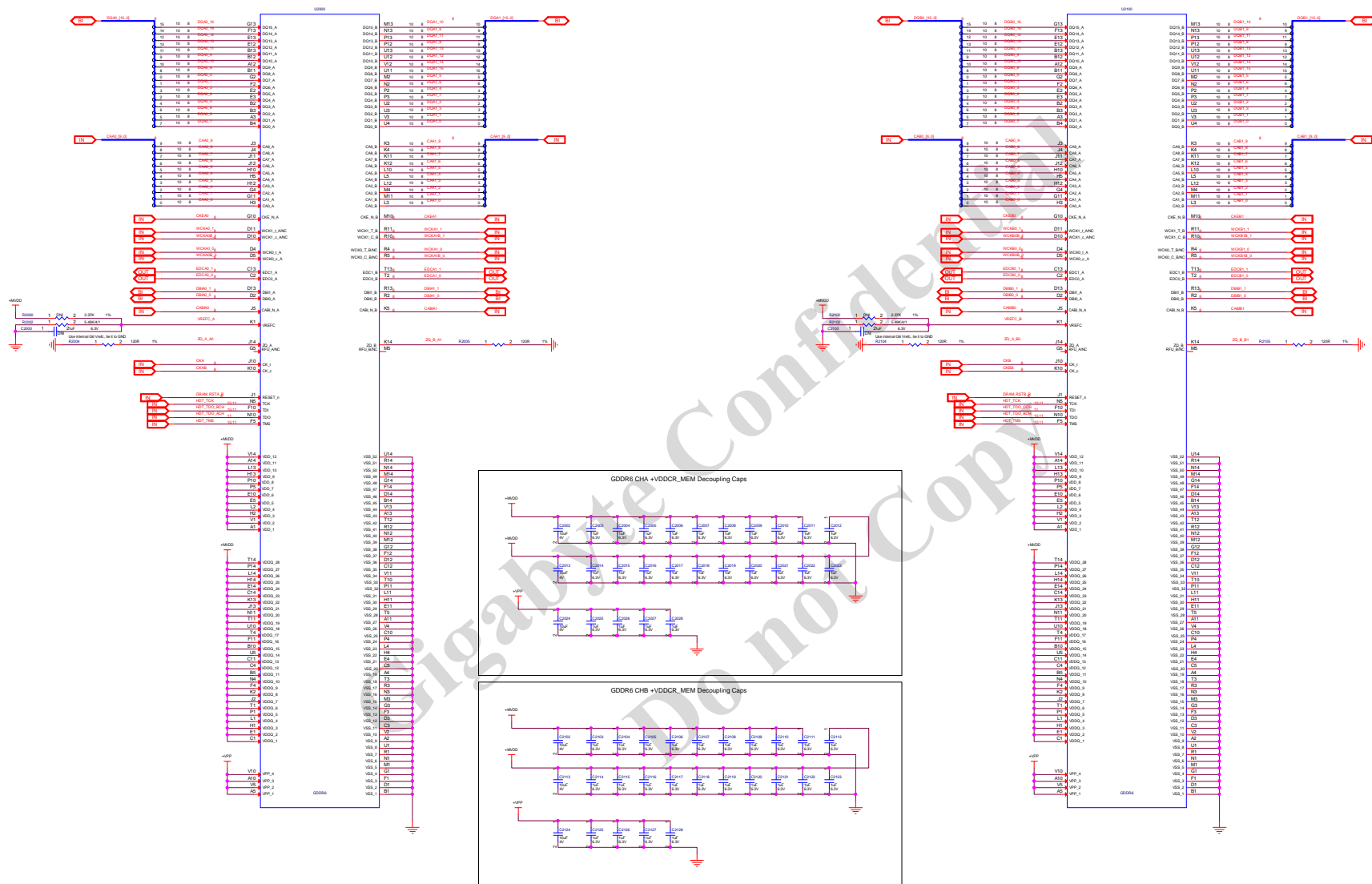


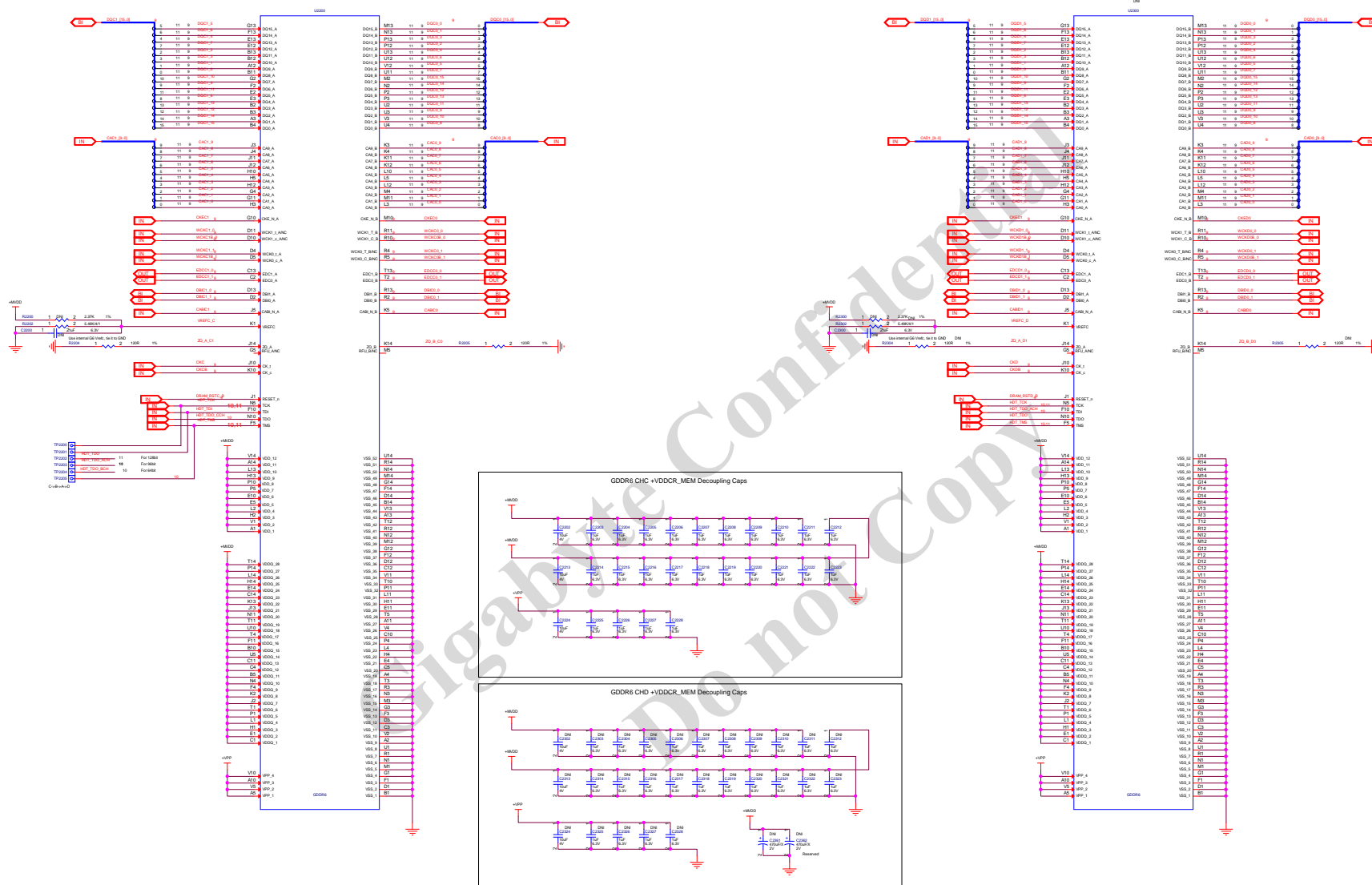


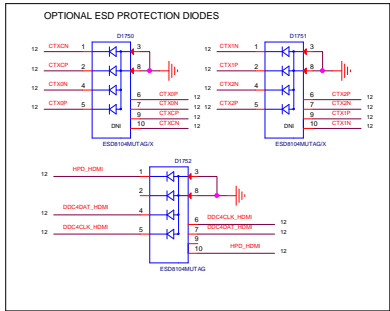
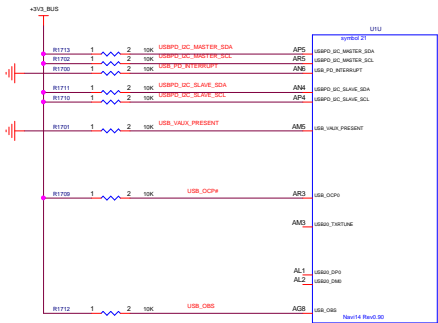
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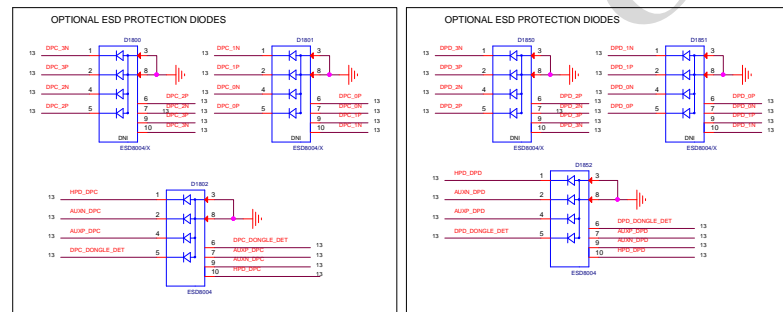
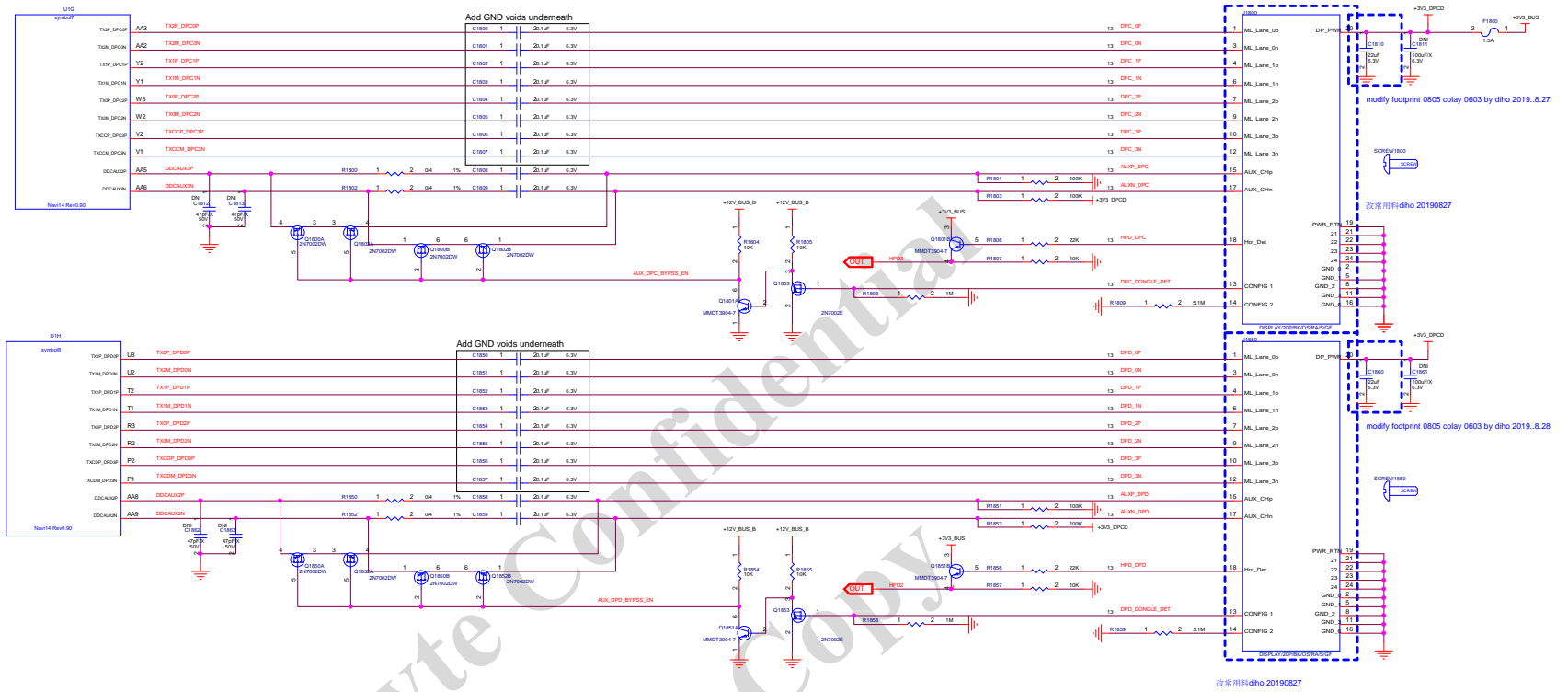


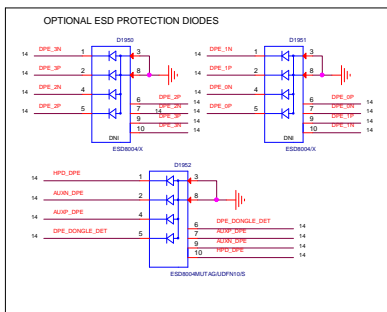
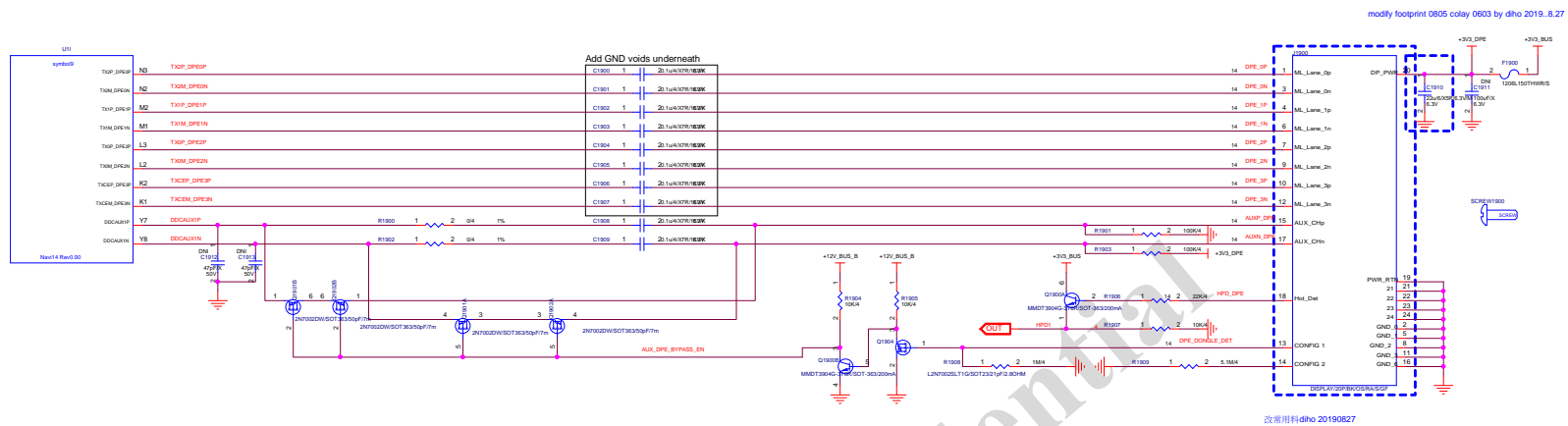






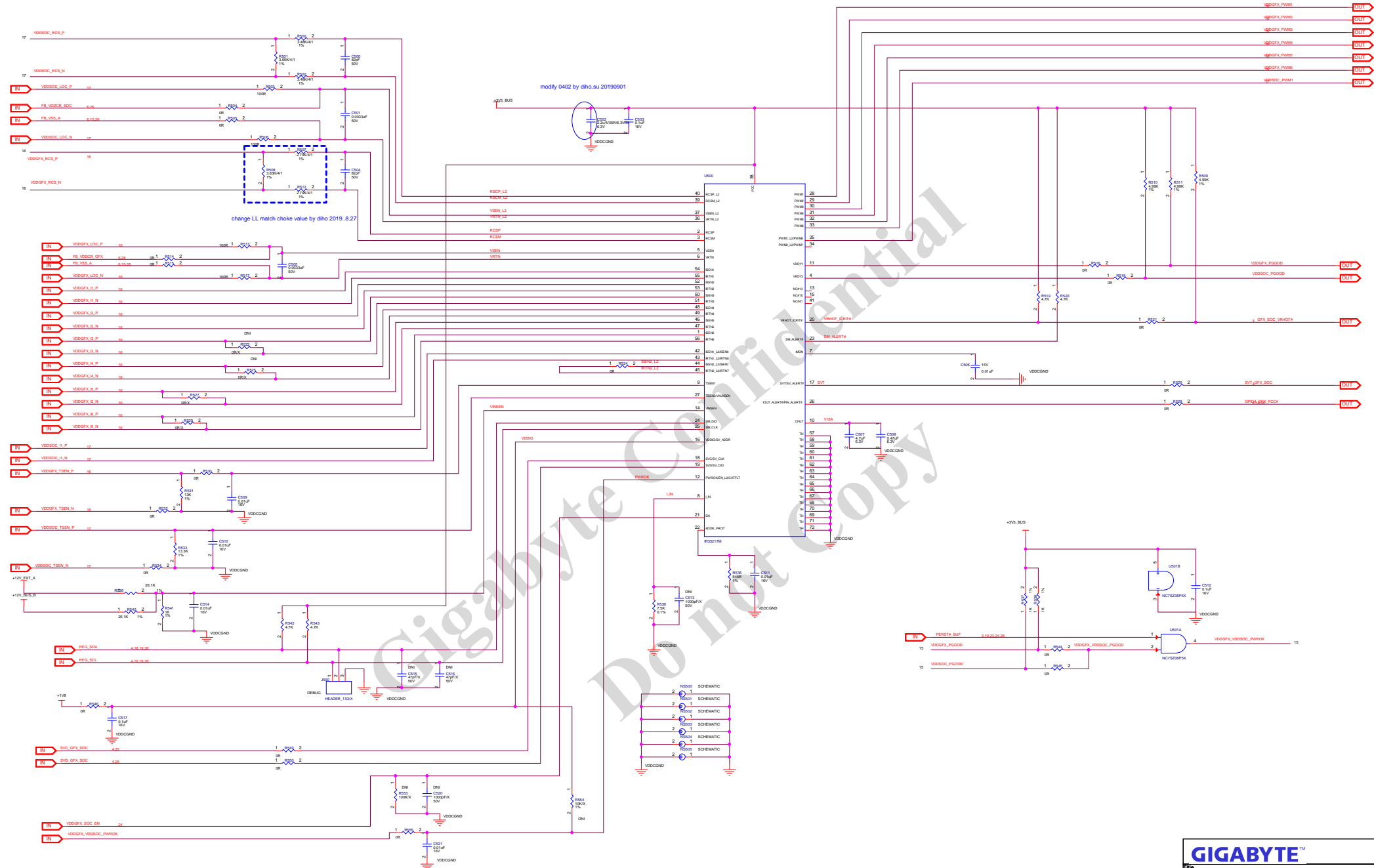
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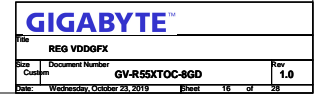


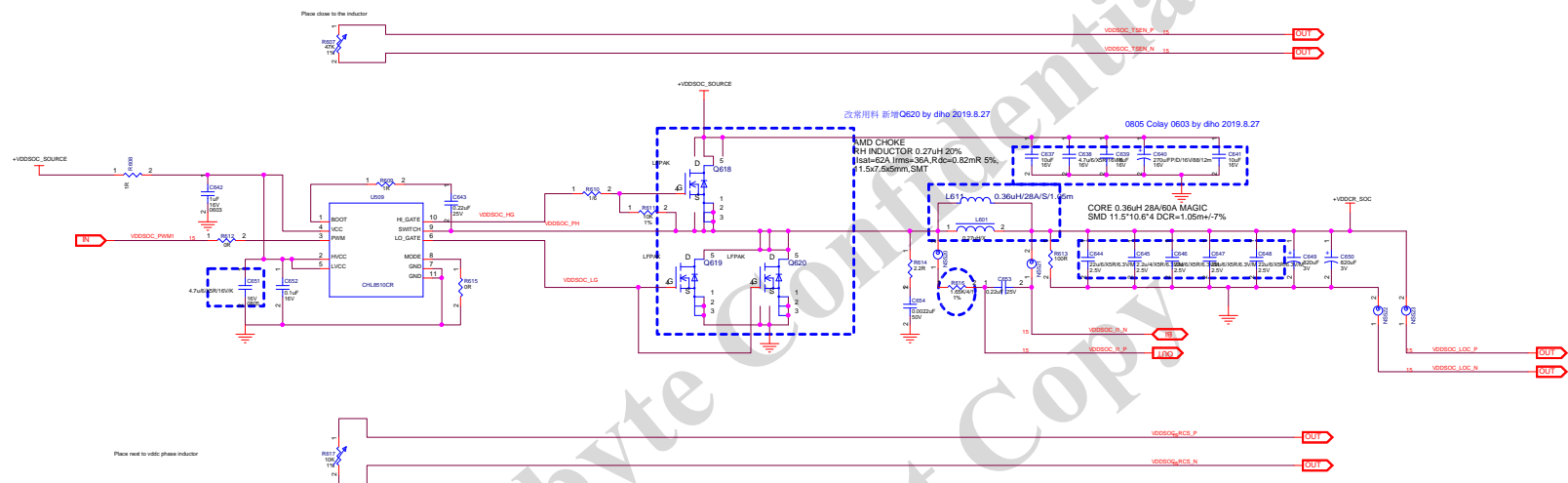


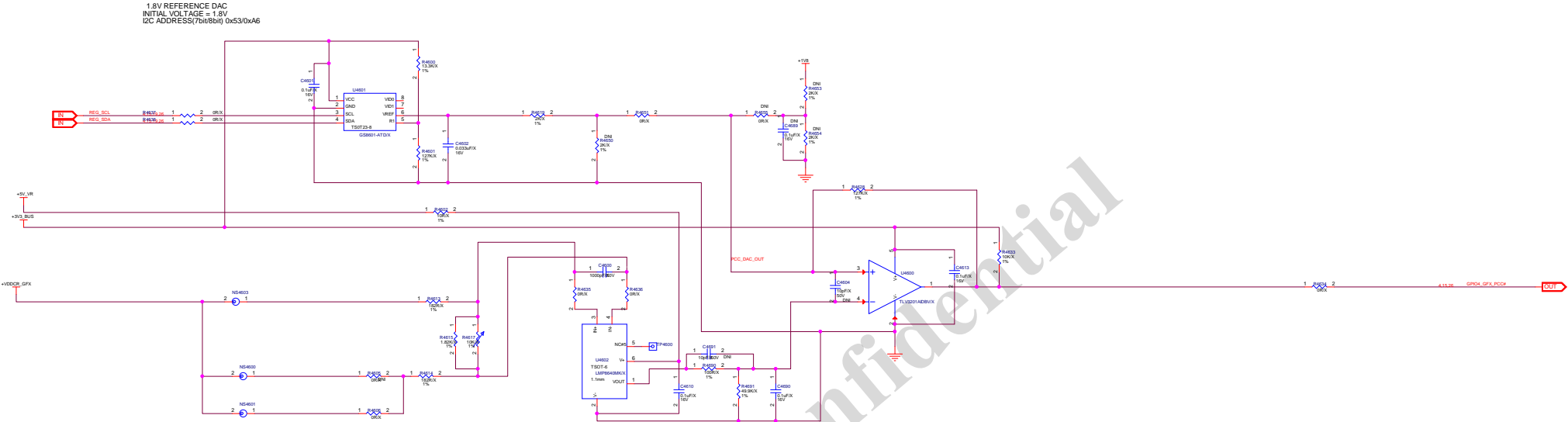
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REG - VDDGFX/VDDSOC CTRL

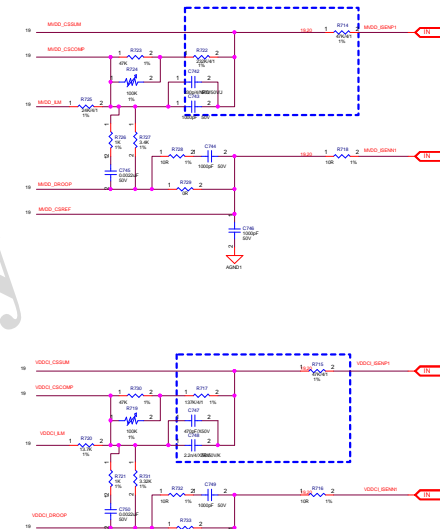
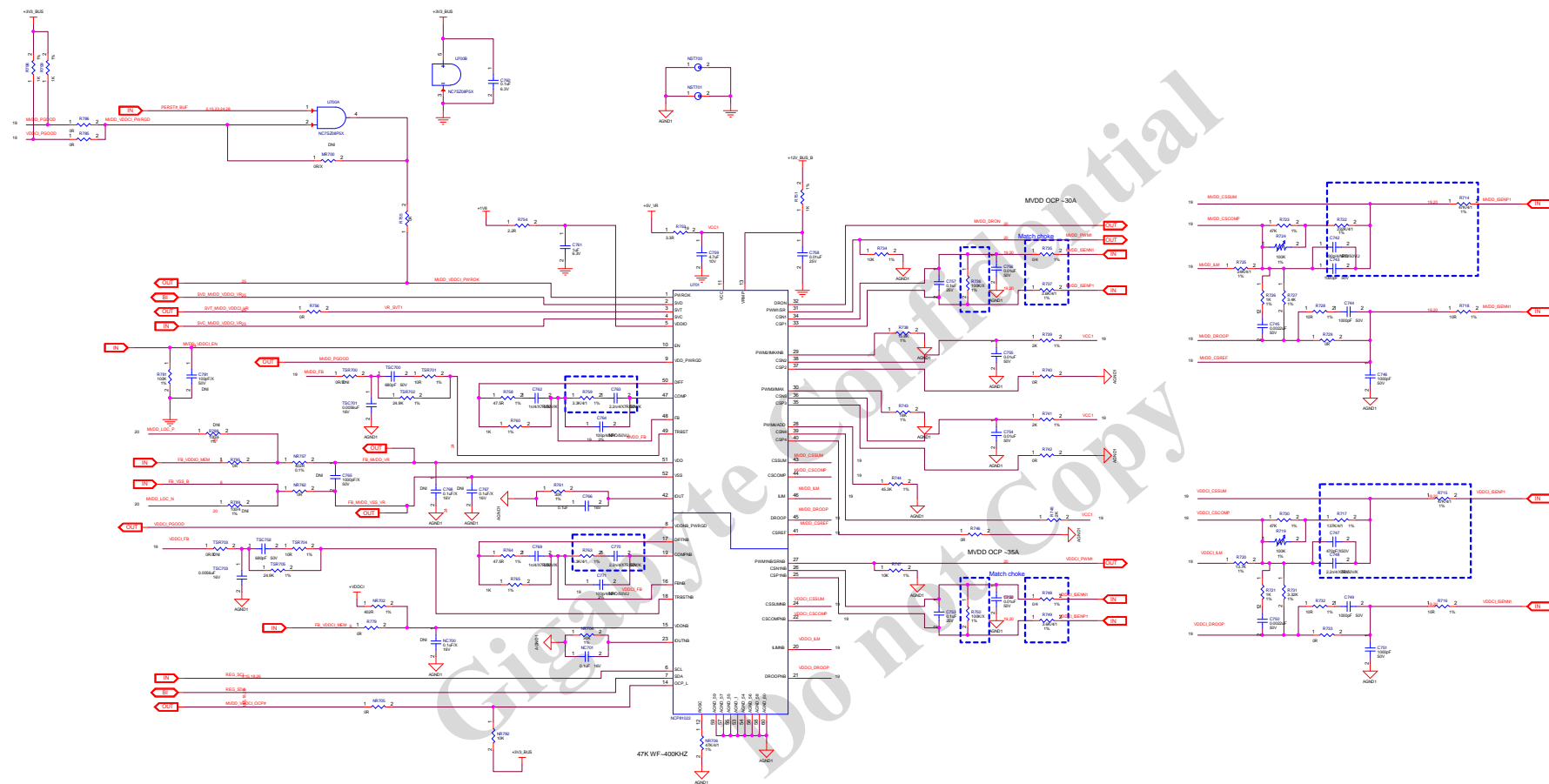


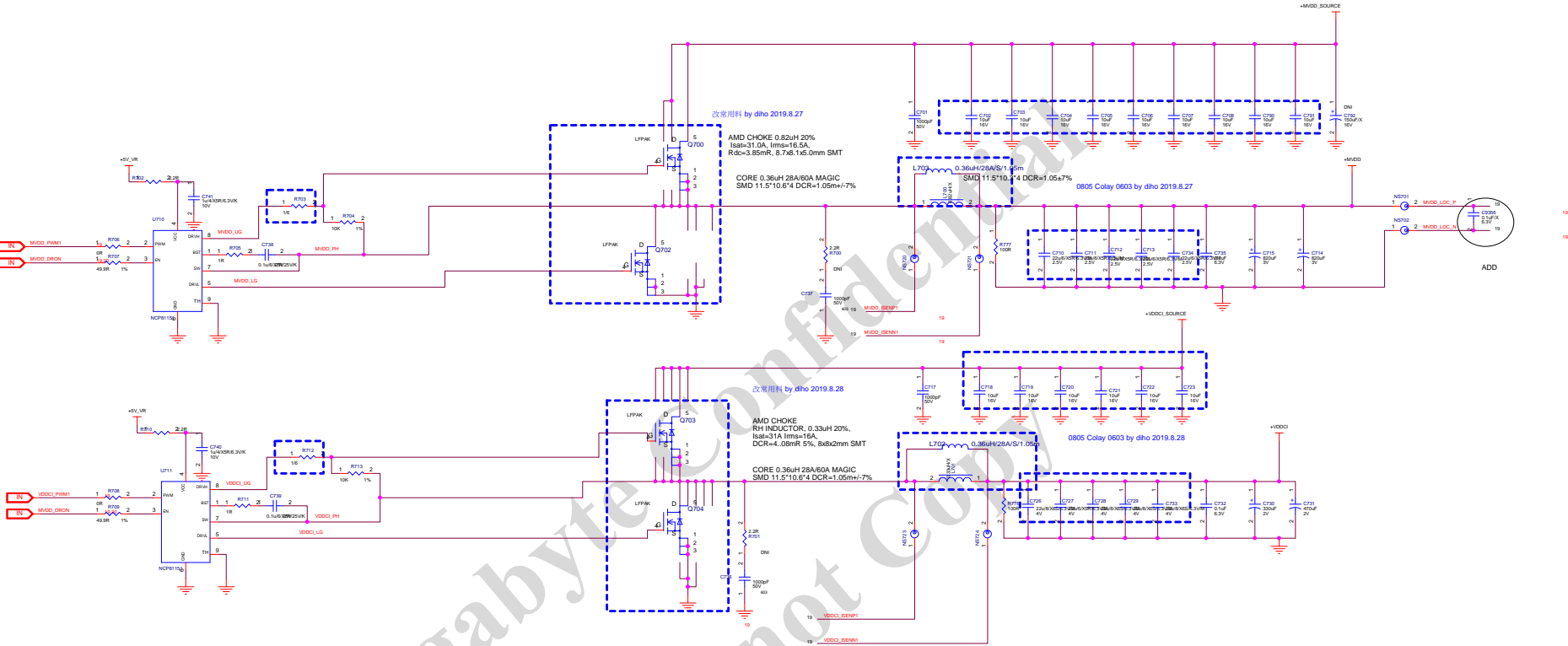


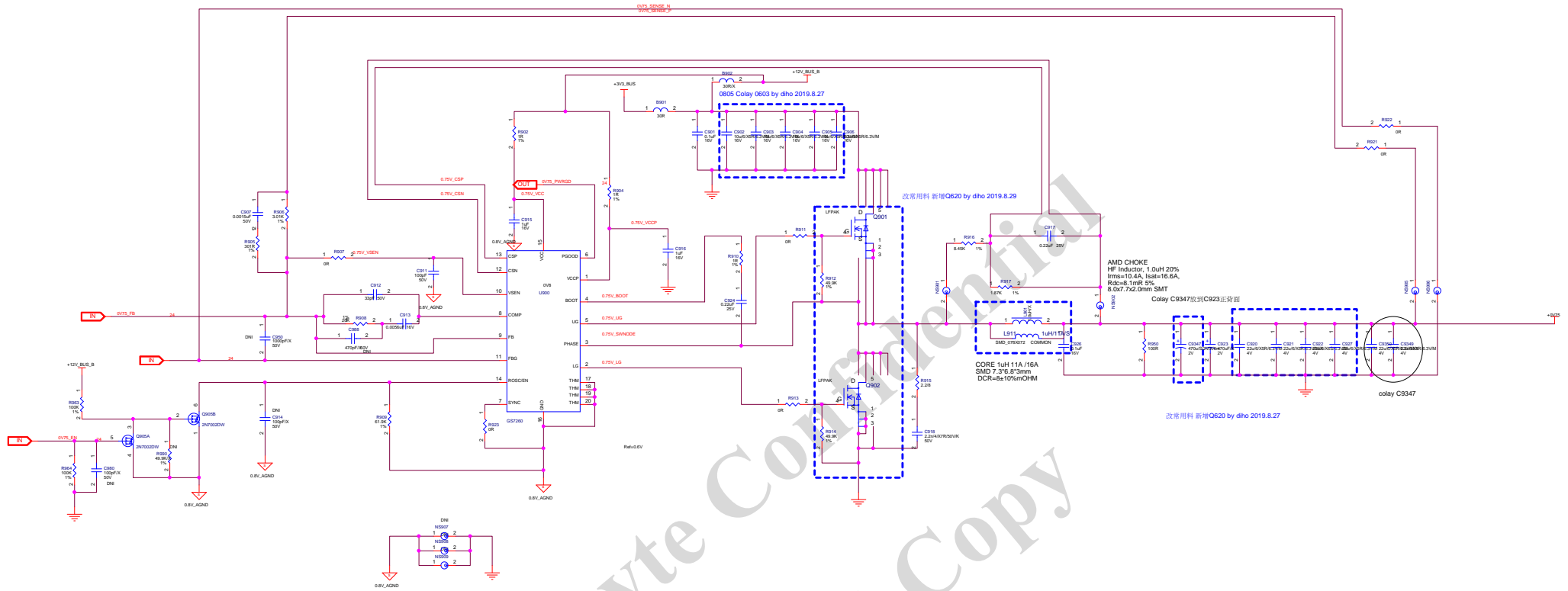




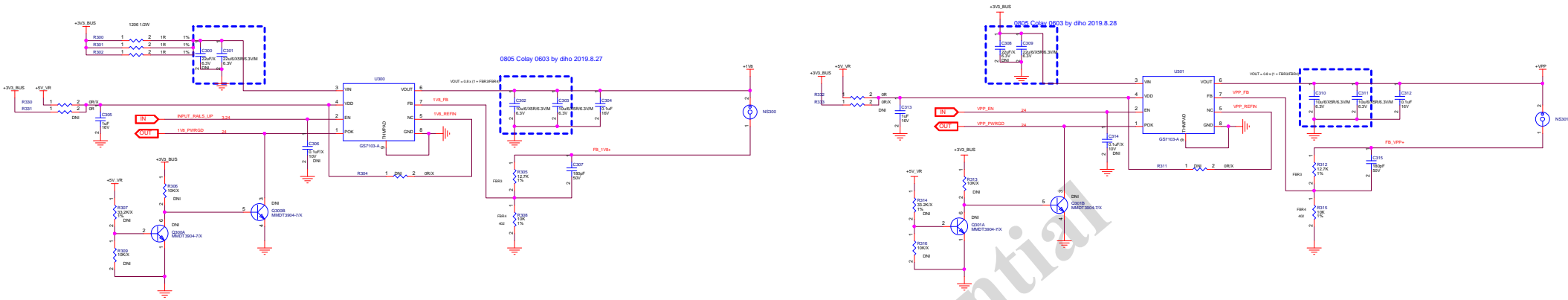
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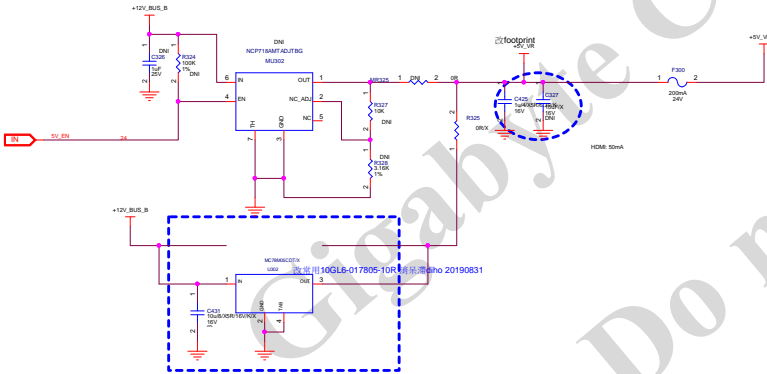


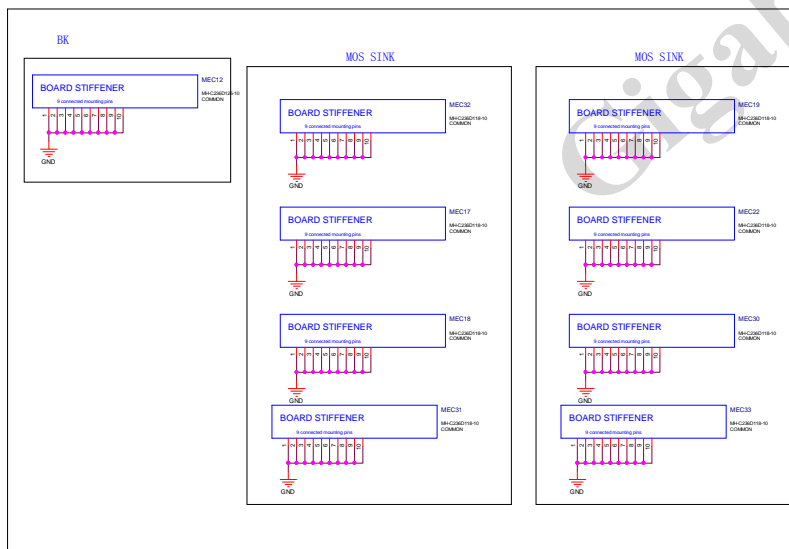
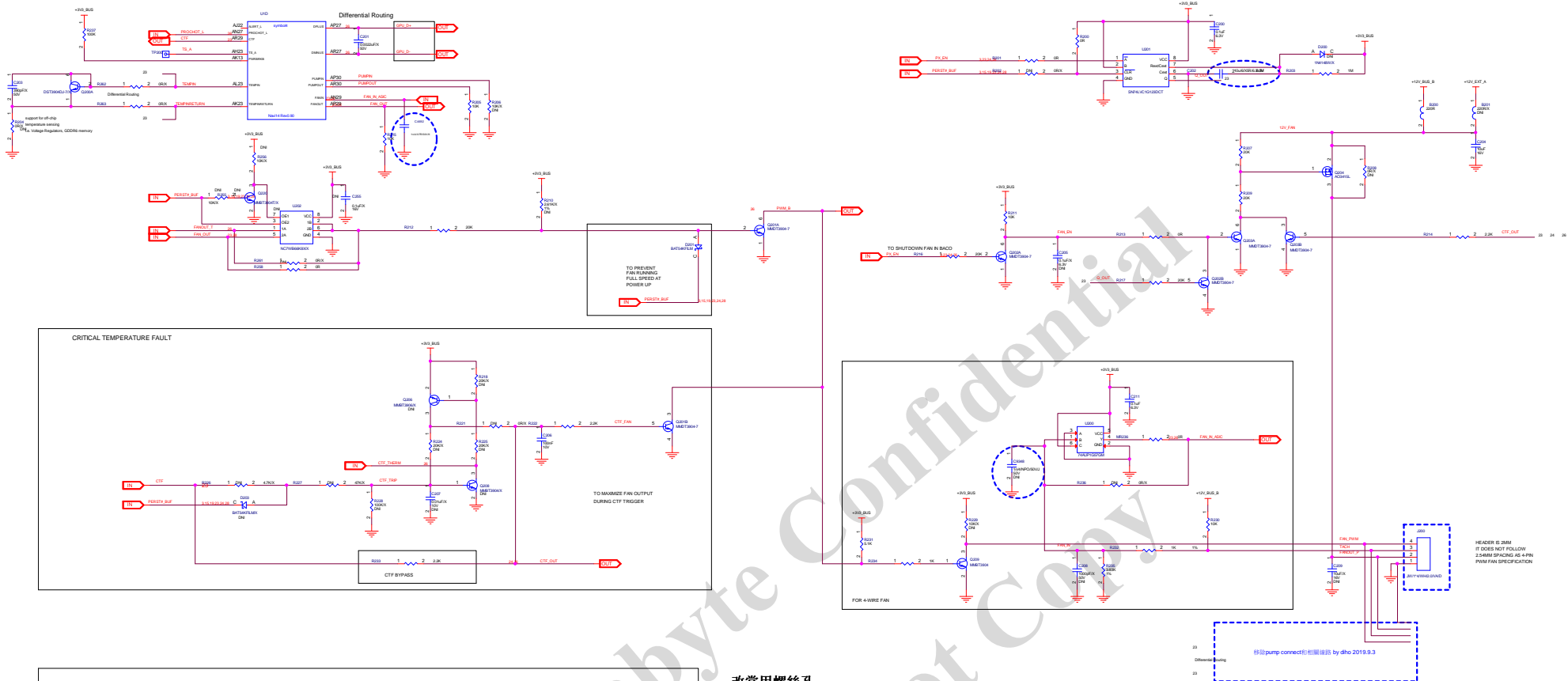


LDO - 1V8/VPP/5V

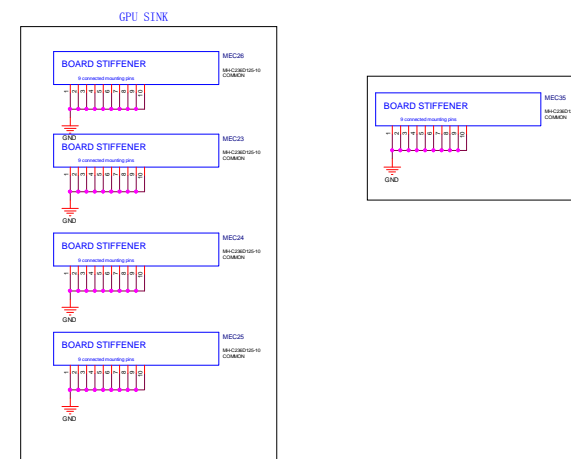
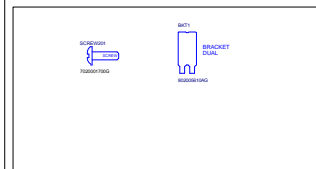


5V REGULATOR

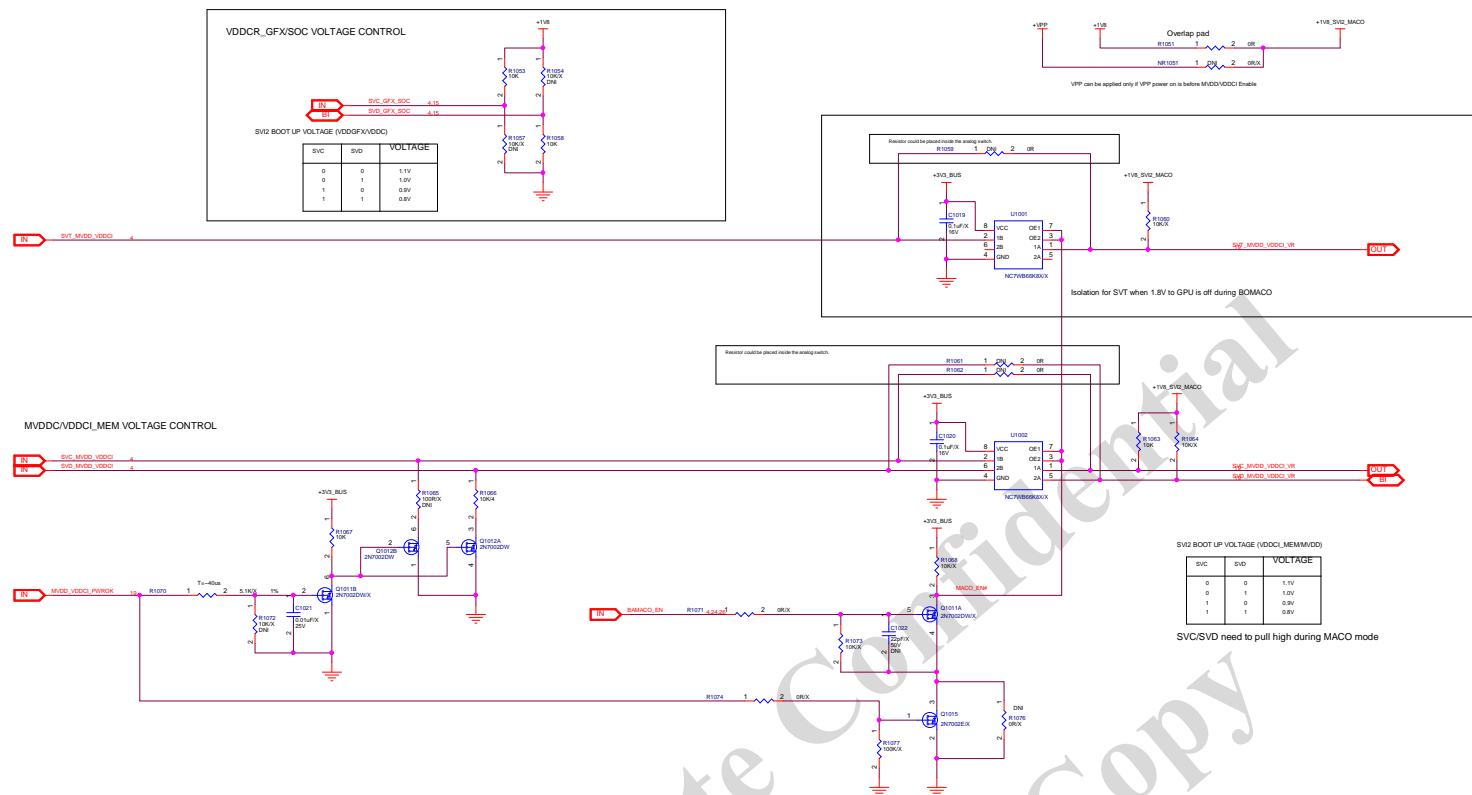




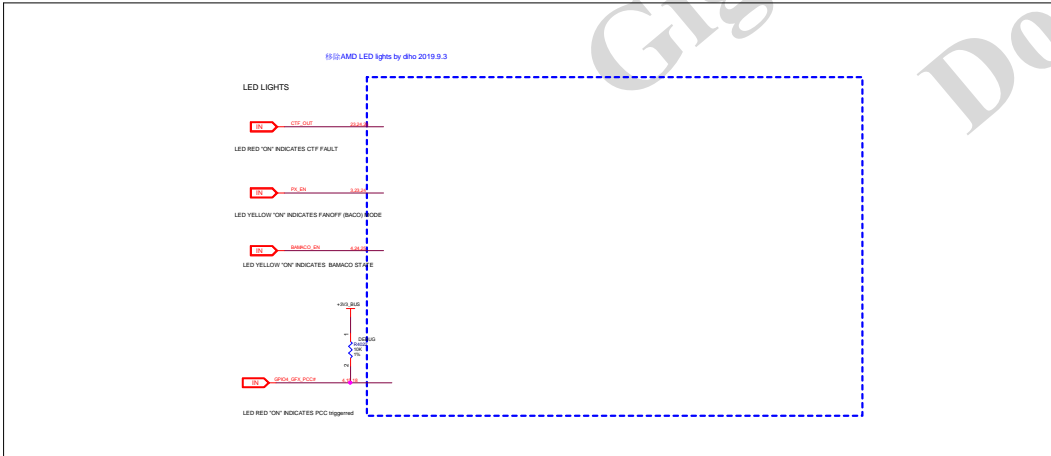
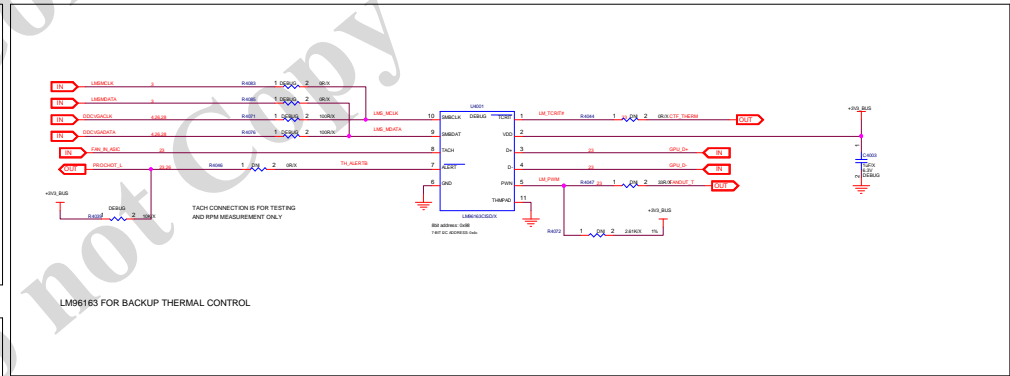
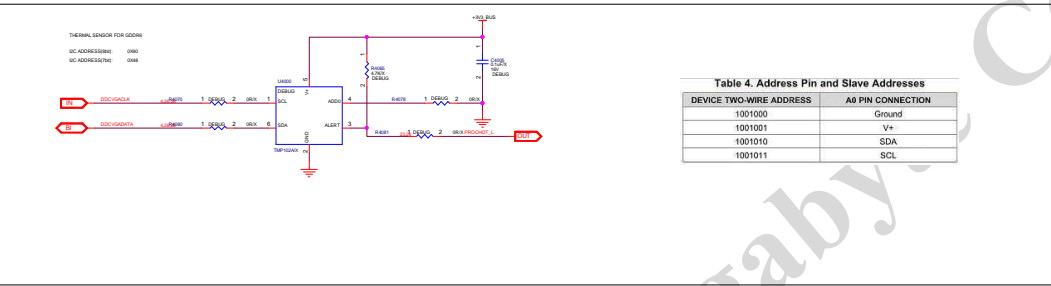
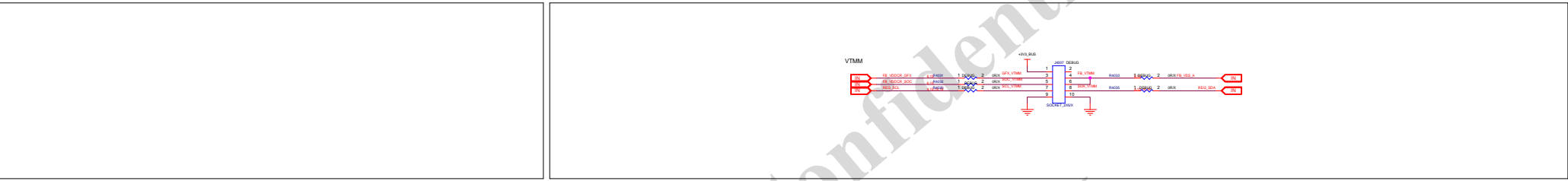
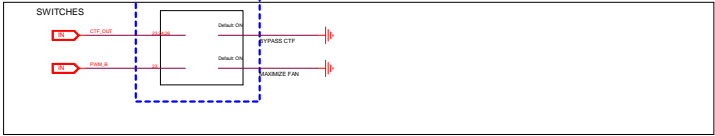
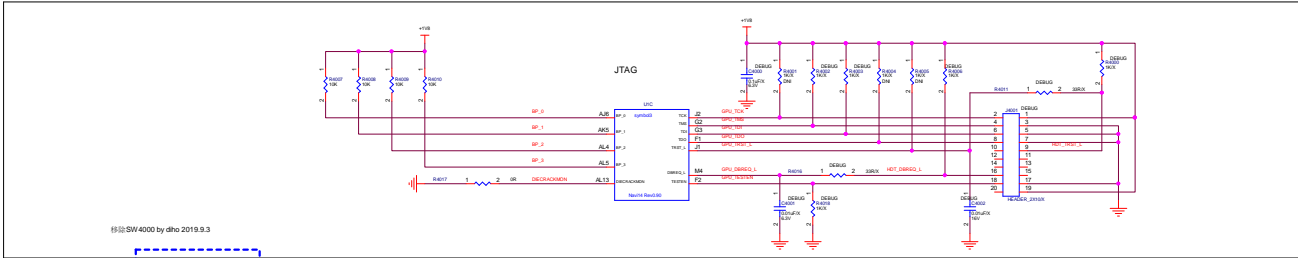
改常用螺絲孔







29) DEBUG CIRCUIT



1.00	00A	08/09/2018	Initial submittal
		12/08/2018	change at 417201050102 para to 41720105000
1.00	00B	04/16/2019	ADD D1150 D1160 D1162 D1162 D1162 ADD R1150 AND CHANGE M1021 LOCAL SENSE POINT ADD R1150 R1160 M111002 M111003 and message gba phase1-3 input source ADD R4553 R4604 R4605 C4608 Change 101: 0.35uH50201160000 R749 908R316080000G NR704 30K3160300000G R743 18K3160180200G C747 470uF4117047100G C748 220uF4
			1700211000

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REVISION HISTORY

Size	Document Number	Rev
Custom	GV-R55XTOC-8GD	1.0
Date:	Wednesday, October 23, 2019	Sheet 27 of 28

