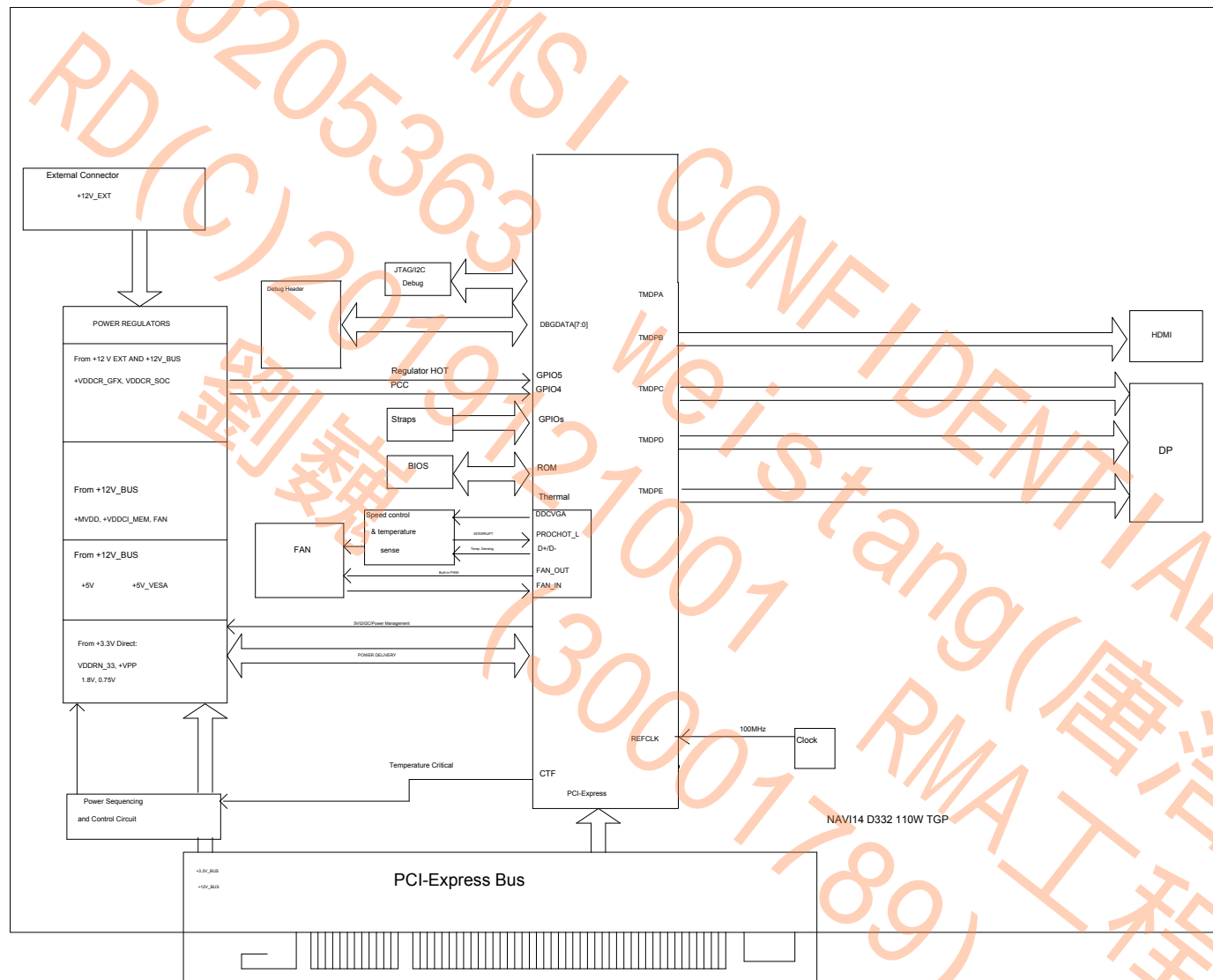
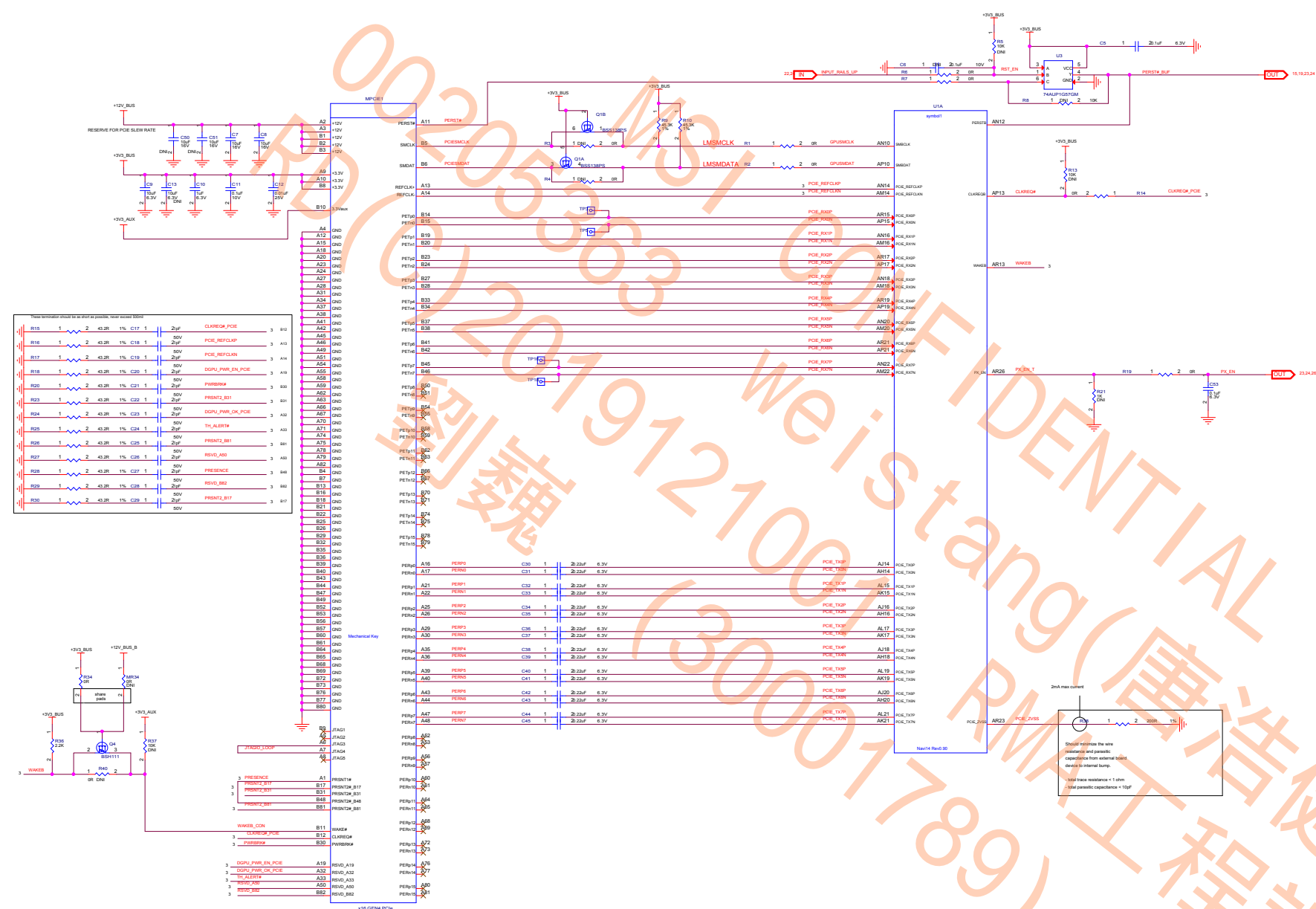




NAVI14 GDDR6 4PCS,8L 3xDPs +1xHDMI
105-D332xx-00B RevB Desktop board(110W TGP)

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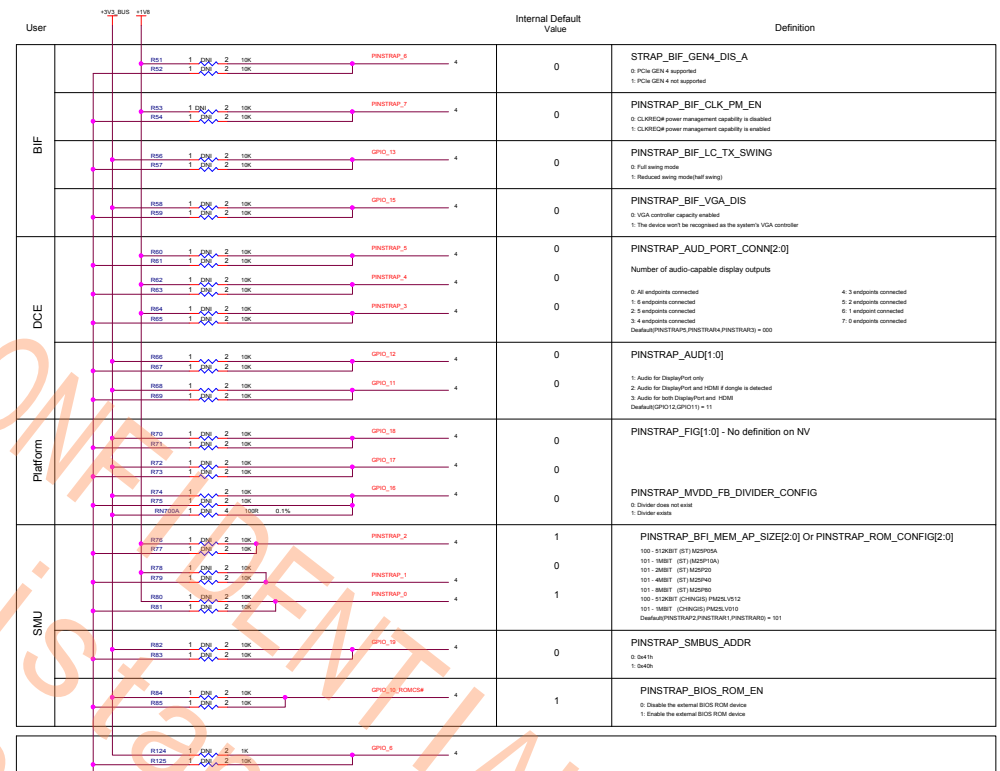
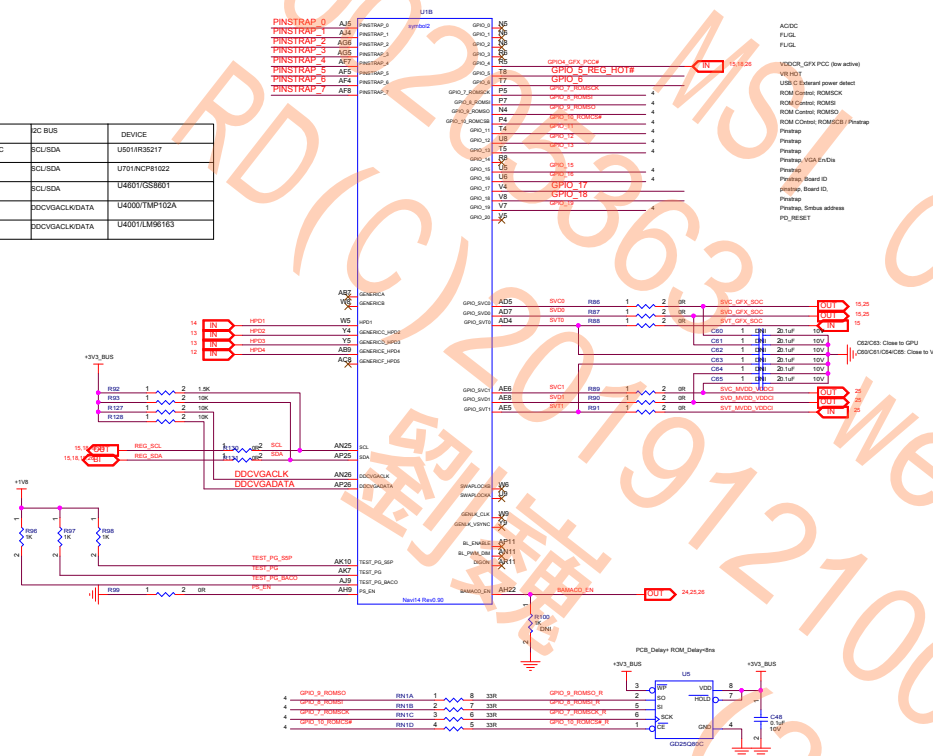
SHEET NO.	SHEET NAME	SHEET NO.	SHEET NAME
1	TOC	26	DEBUG CIRCUITS
2	BLOCK DIAGRAM	27	REVISION HISTORY
3	NAVI14 - PCIe Interface		
4	NAVI14 - GPIO, EXTRA		
5	NAVI14 - XTAL		
6	NAVI14 - POWER and GND		
7	NAVI14 - Decaps		
8	NAVI14 - MEM CH AB		
9	NAVI14 - MEM CH CD		
10	GDDR8 x16 - MEM CH AB		
11	GDDR8 x16 - MEM CH CD		
12	NAVI14 - TMDPA8 - 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 1VB/VPP/SV/SV_VESA		
23	MECHANICAL AND THERMAL		
24	POWER MANAGEMENT		
25	SVIZ		

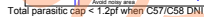


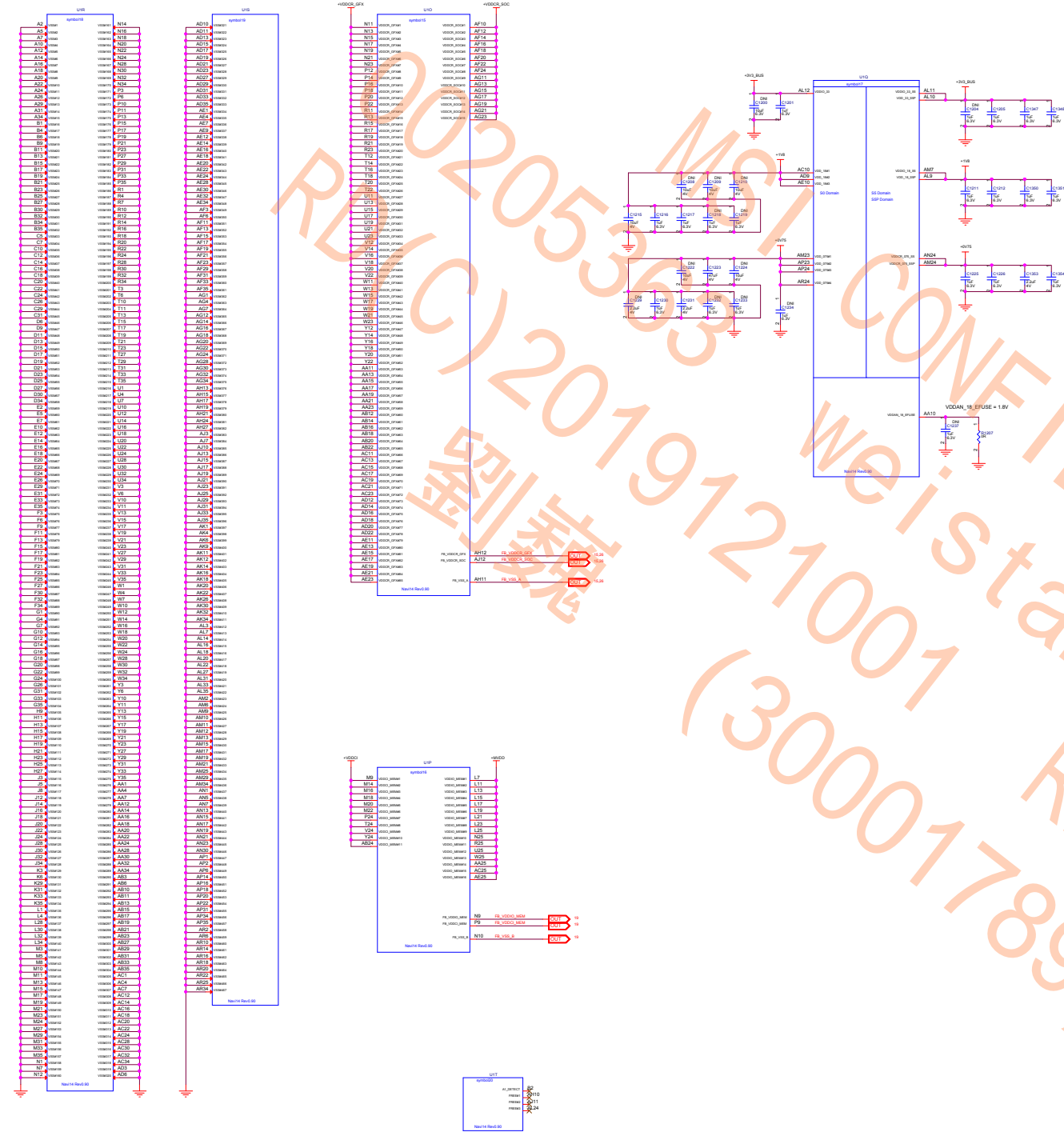


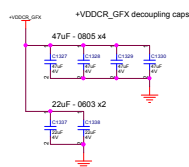
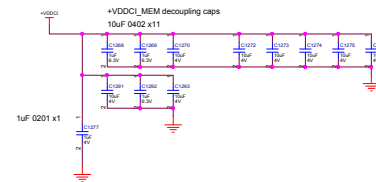
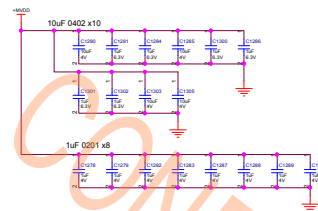
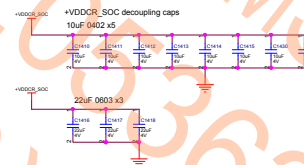
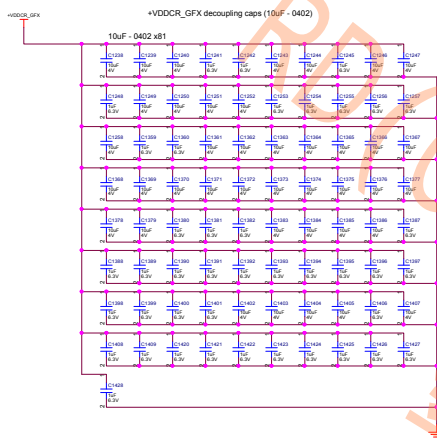
SYMBOL LEGEND	
DN	DO NOT INSTALL
S or #	ACTIVE LOW
BUO	BRING UP ONLY
	DIGITAL GROUND
	ANALOG GROUND

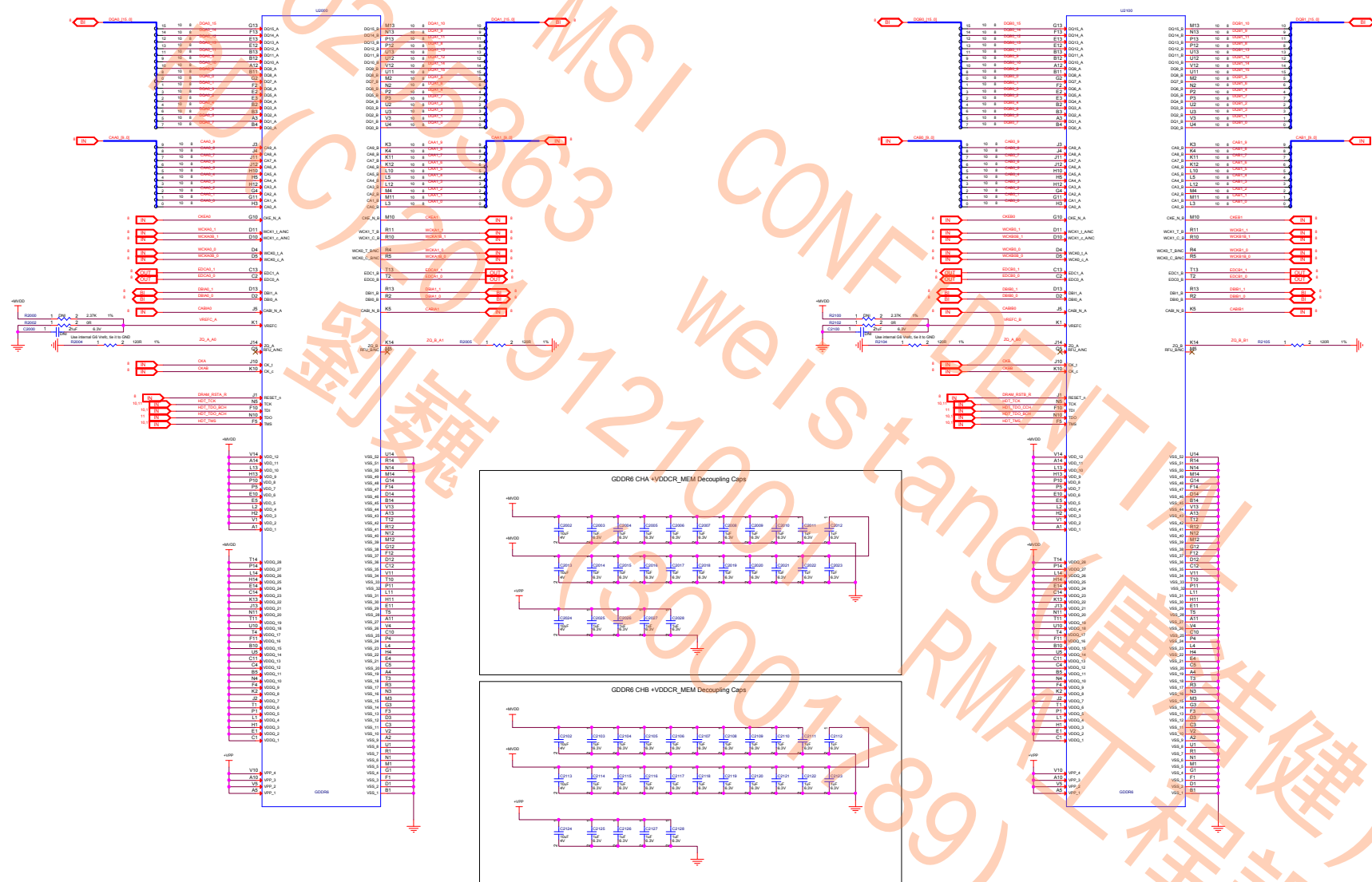
7-BIT I2C ADDRESS	8-BIT I2C ADDRESS	FUNCTION	I2C BUS	DEVICE
0x30	0x60	VDDCR_GFX/SOC	BCL/SDA	U5011R35217
0x22	0x44	MVDD/VDDCI	BCL/SDA	U7011NCP81022
0x53	0x66	PC/Reserved	BCL/SDA	U46071CSB801
0x48	0x90	G6 Temperature	DDCVGACK/I2DATA	U40001TMP102A
0x4C	0x98	EXT SENSOR	DDCVGACK/I2DATA	U40071UM96163

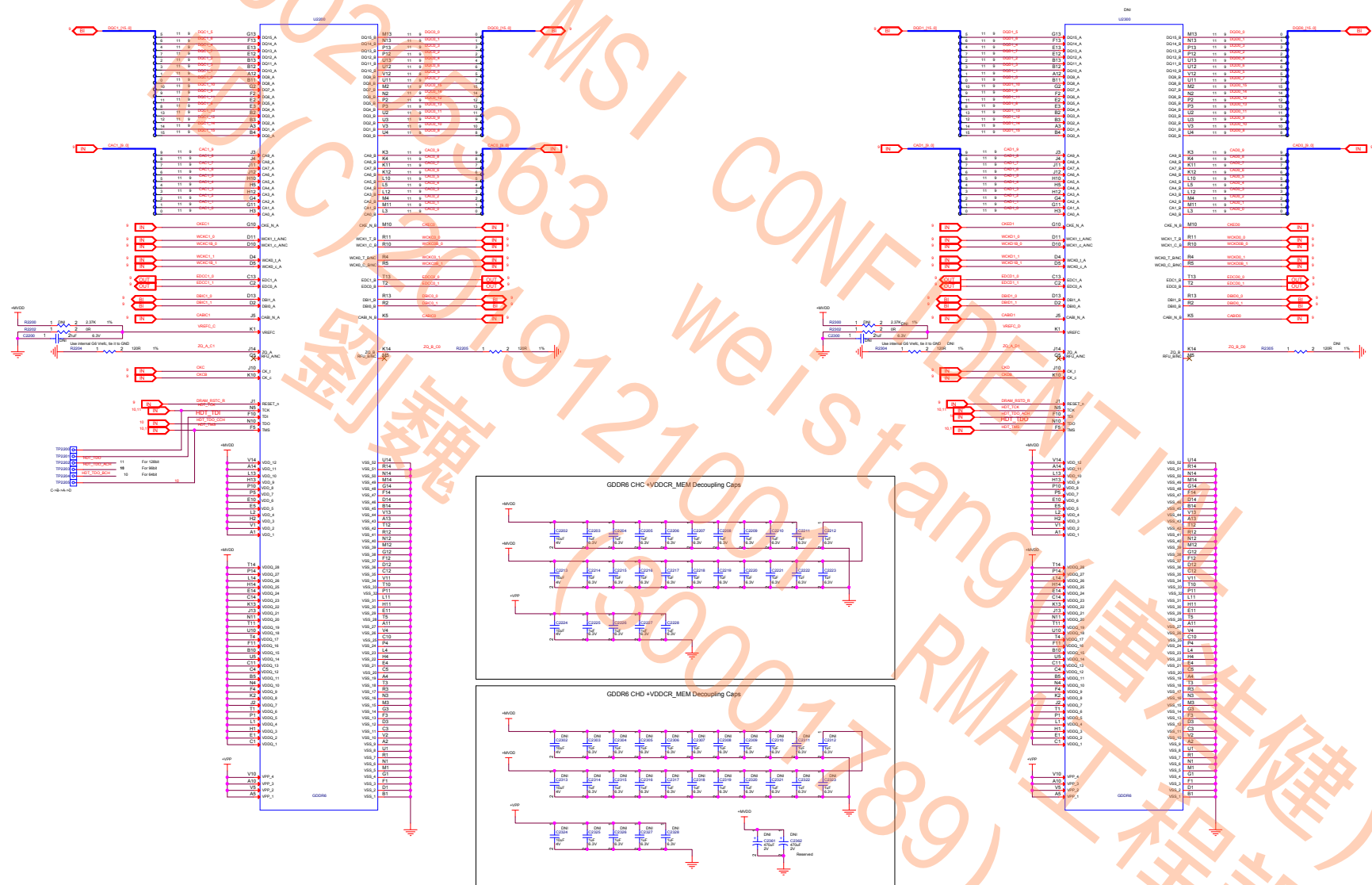




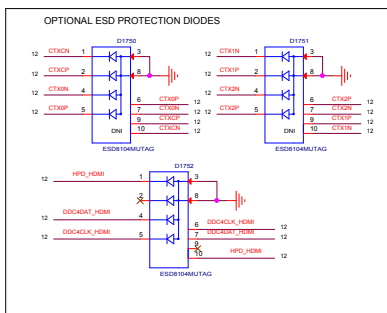
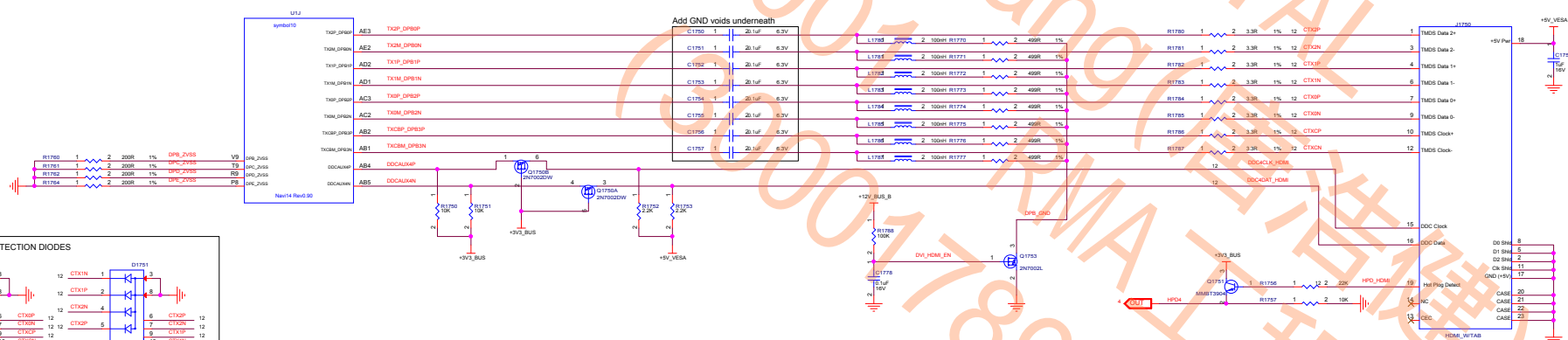
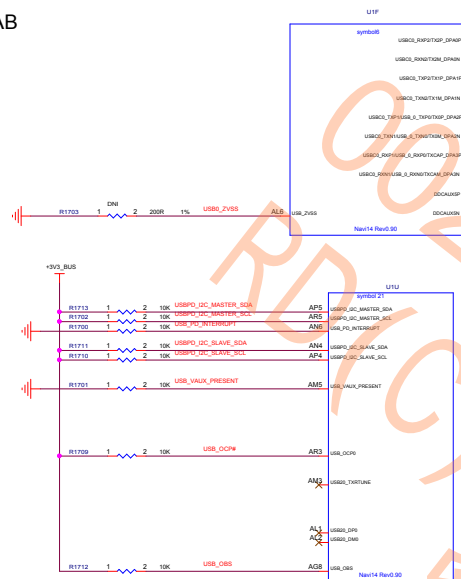


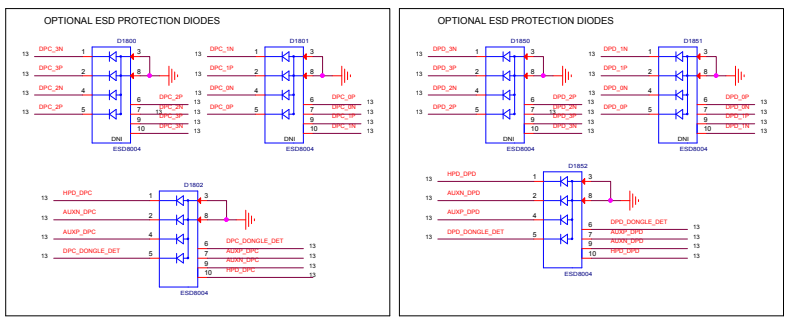


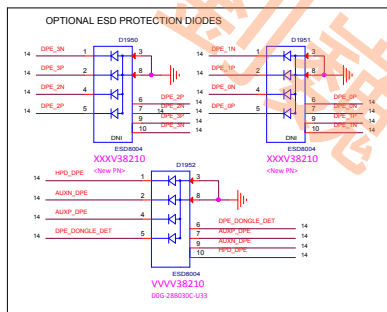




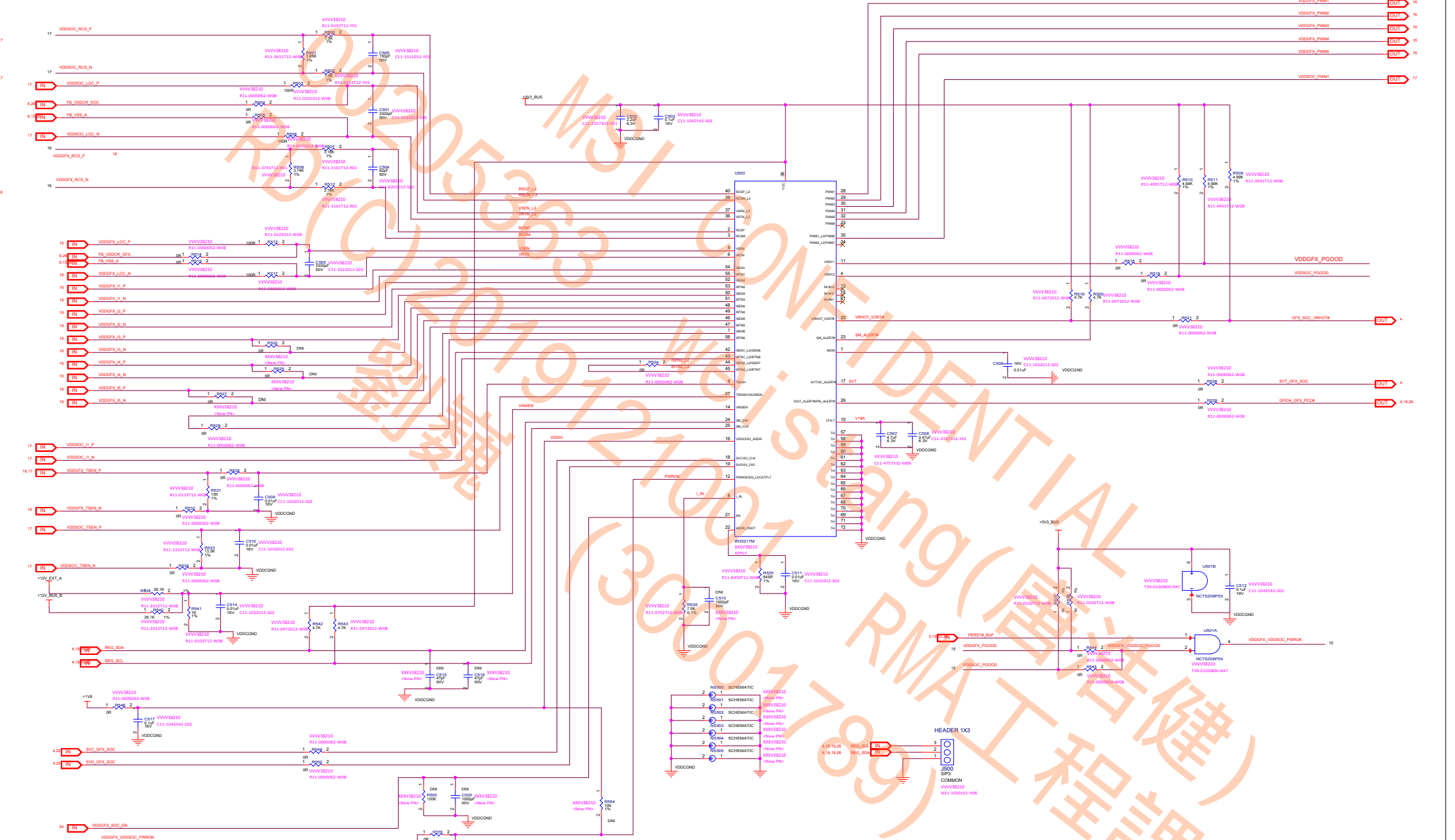
(12) TMDP AB

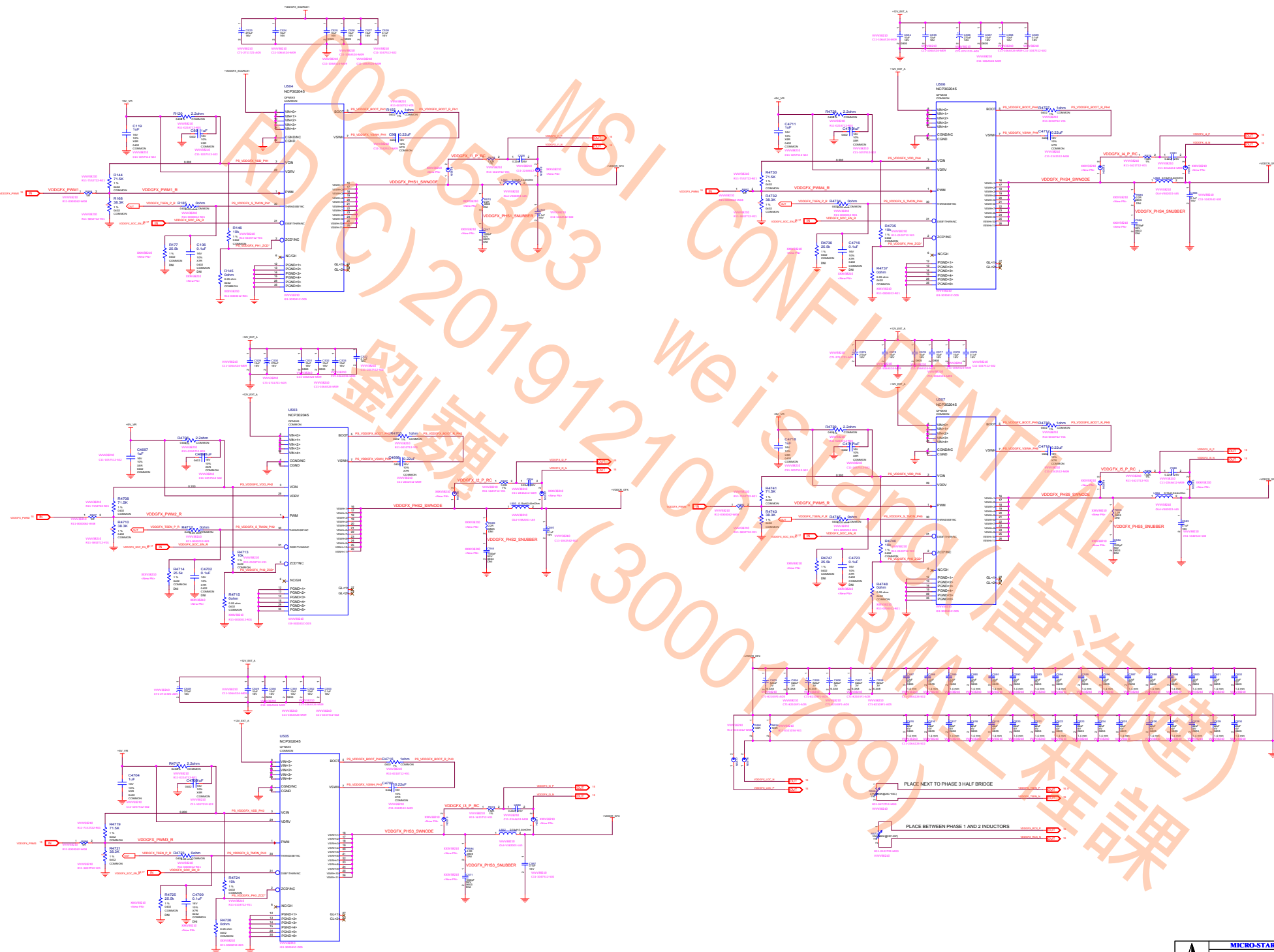


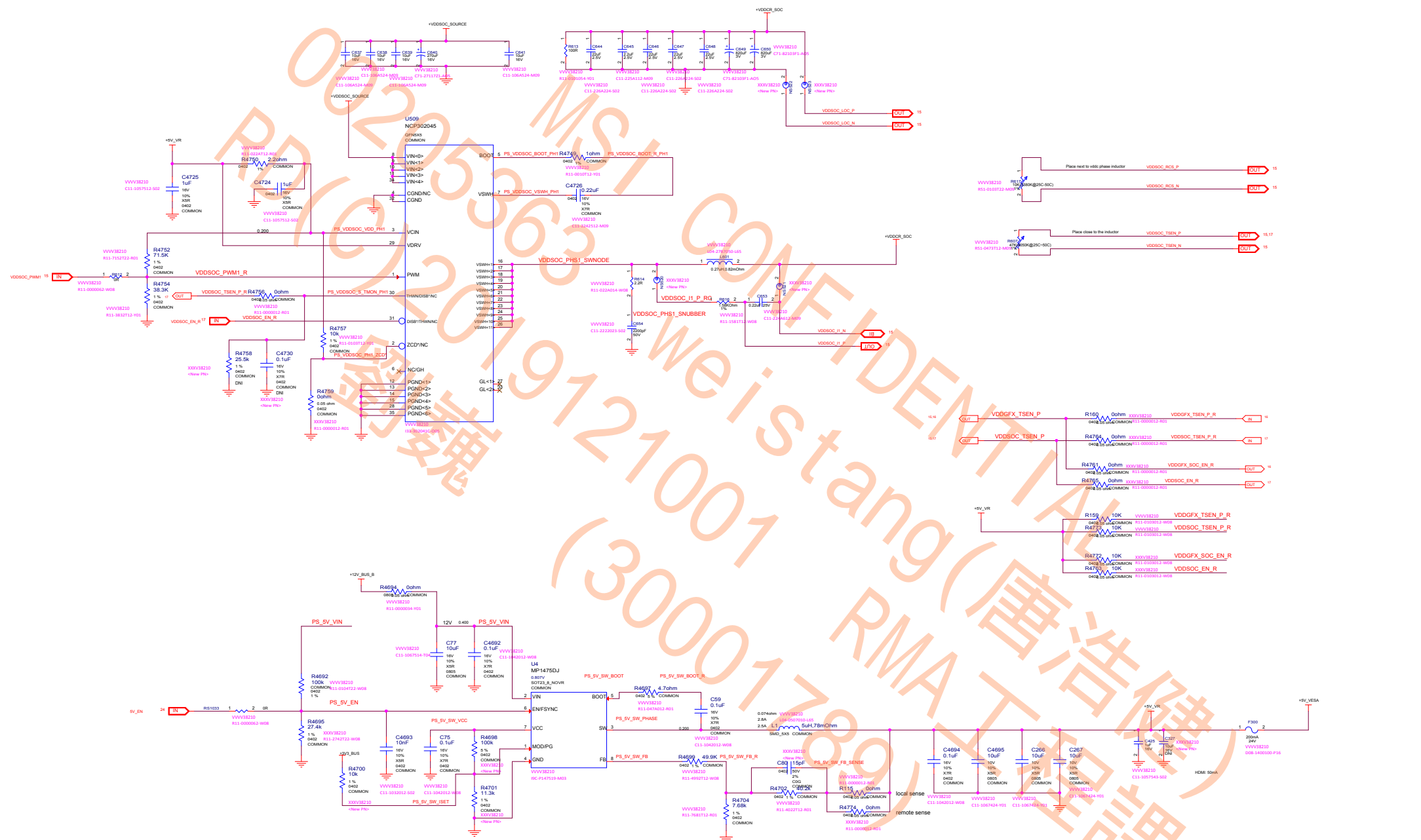




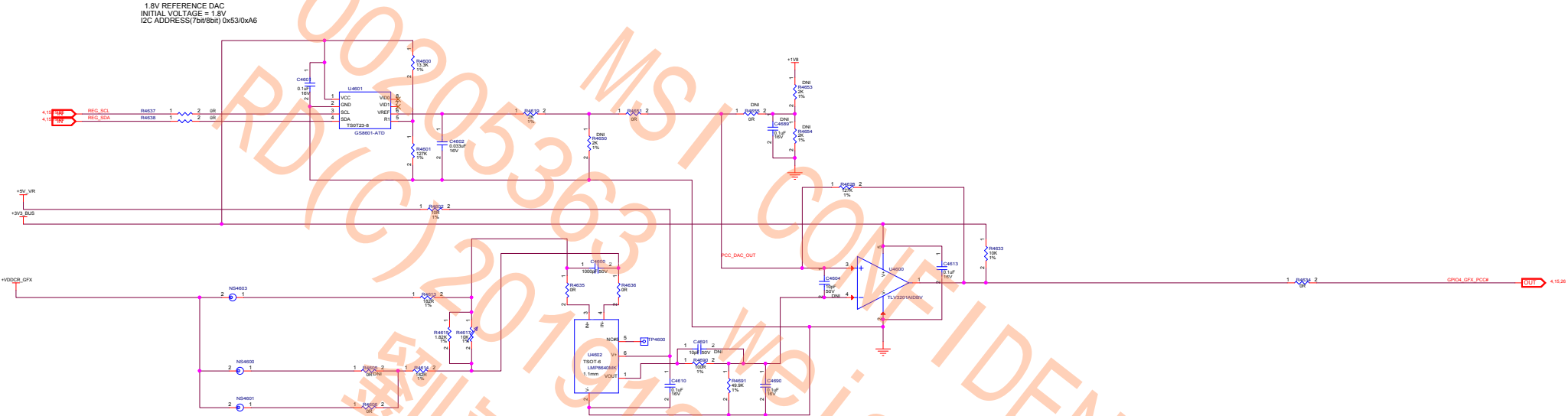
REG - VDDGFX/VDDSOC CTRL



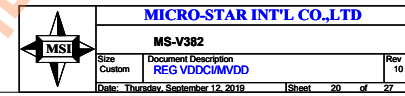


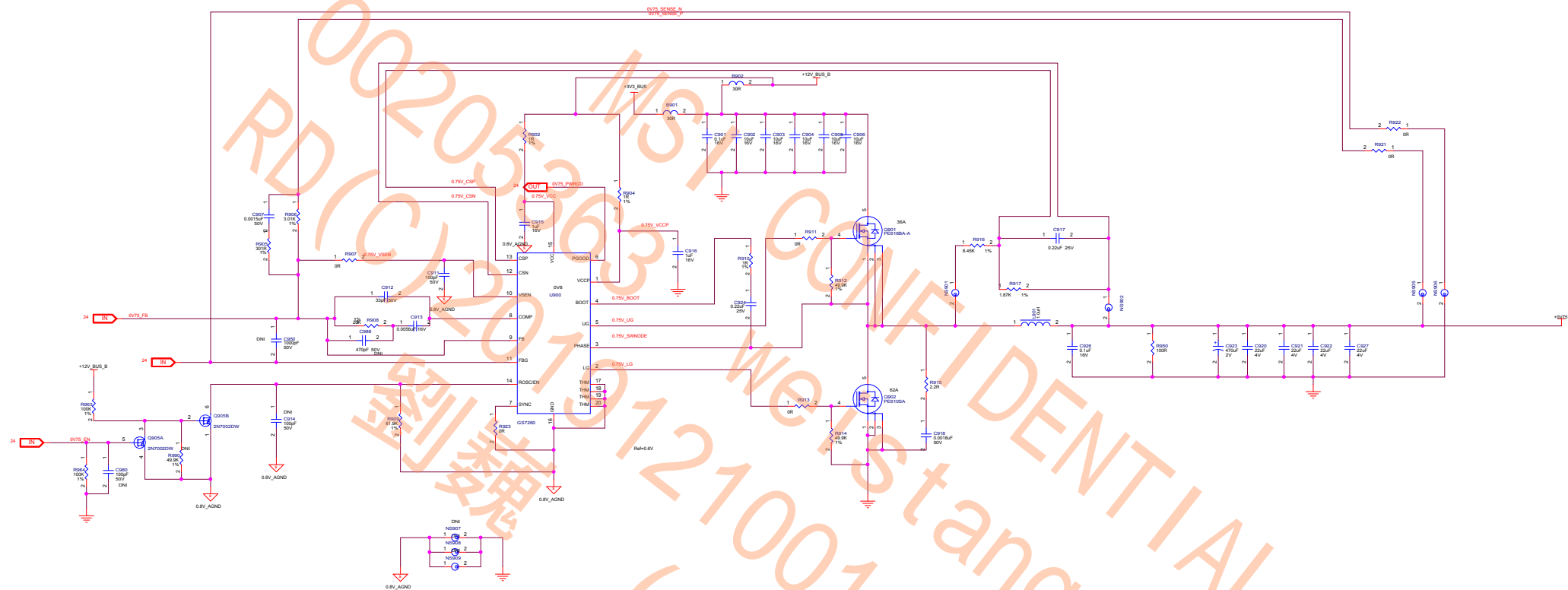


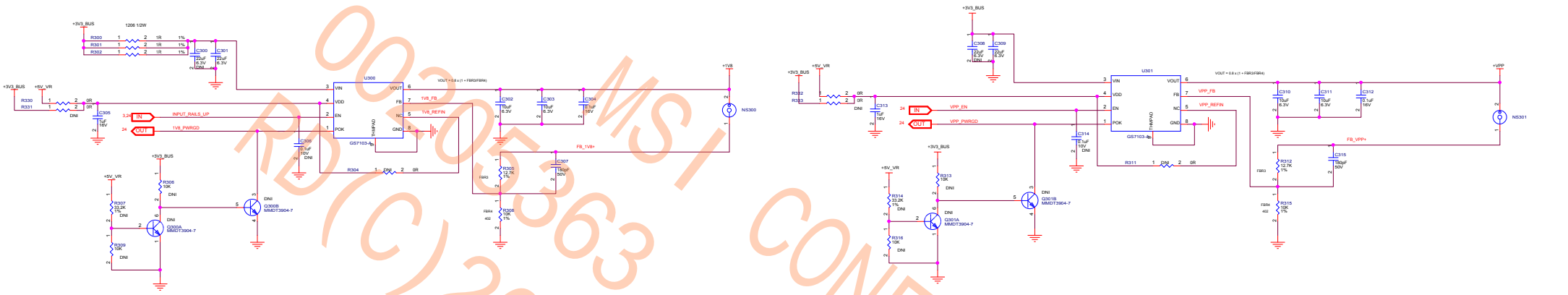
$$0.8V \cdot (1 + 40.2K/7.68K) = 4.9875V$$

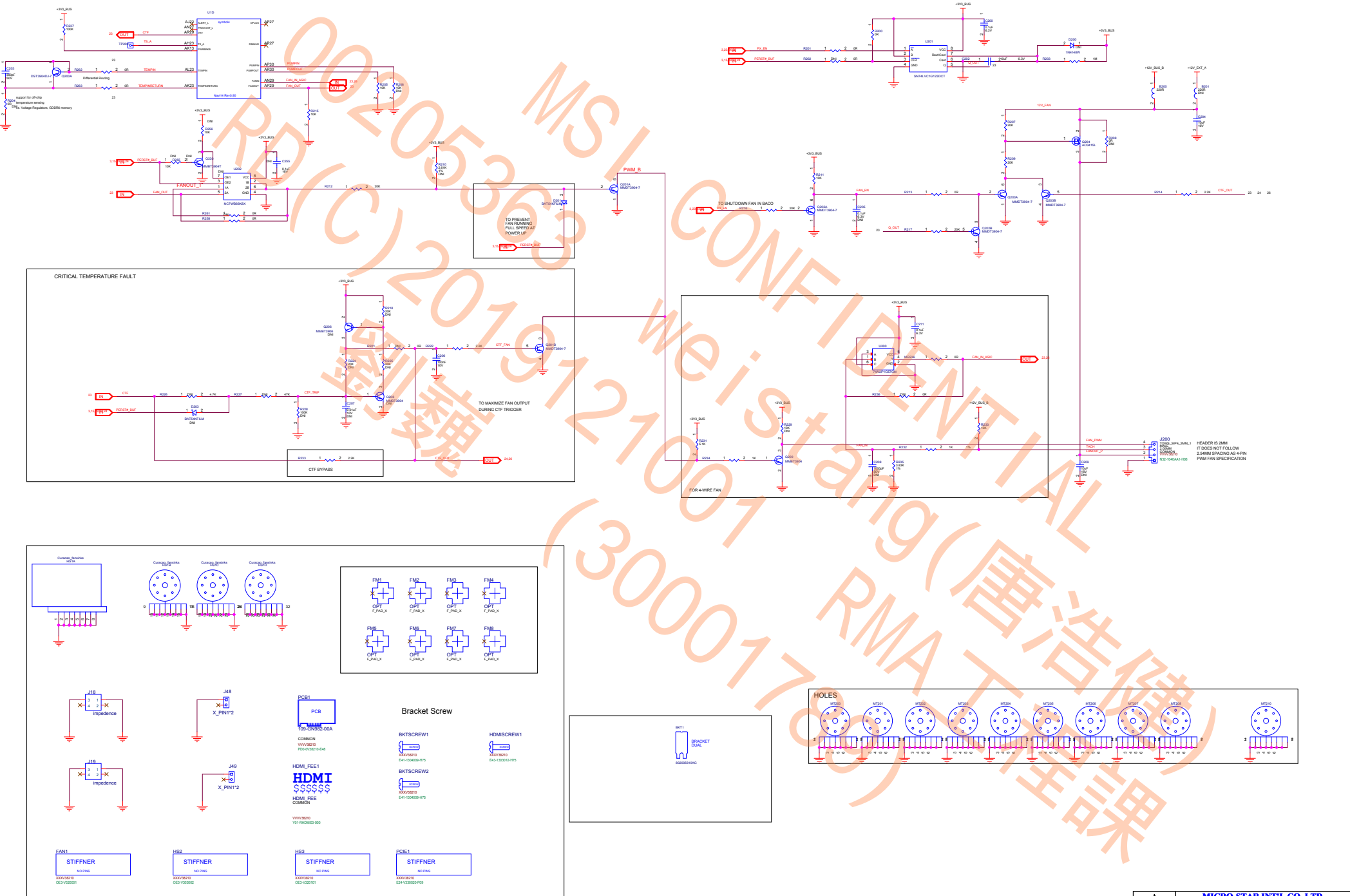


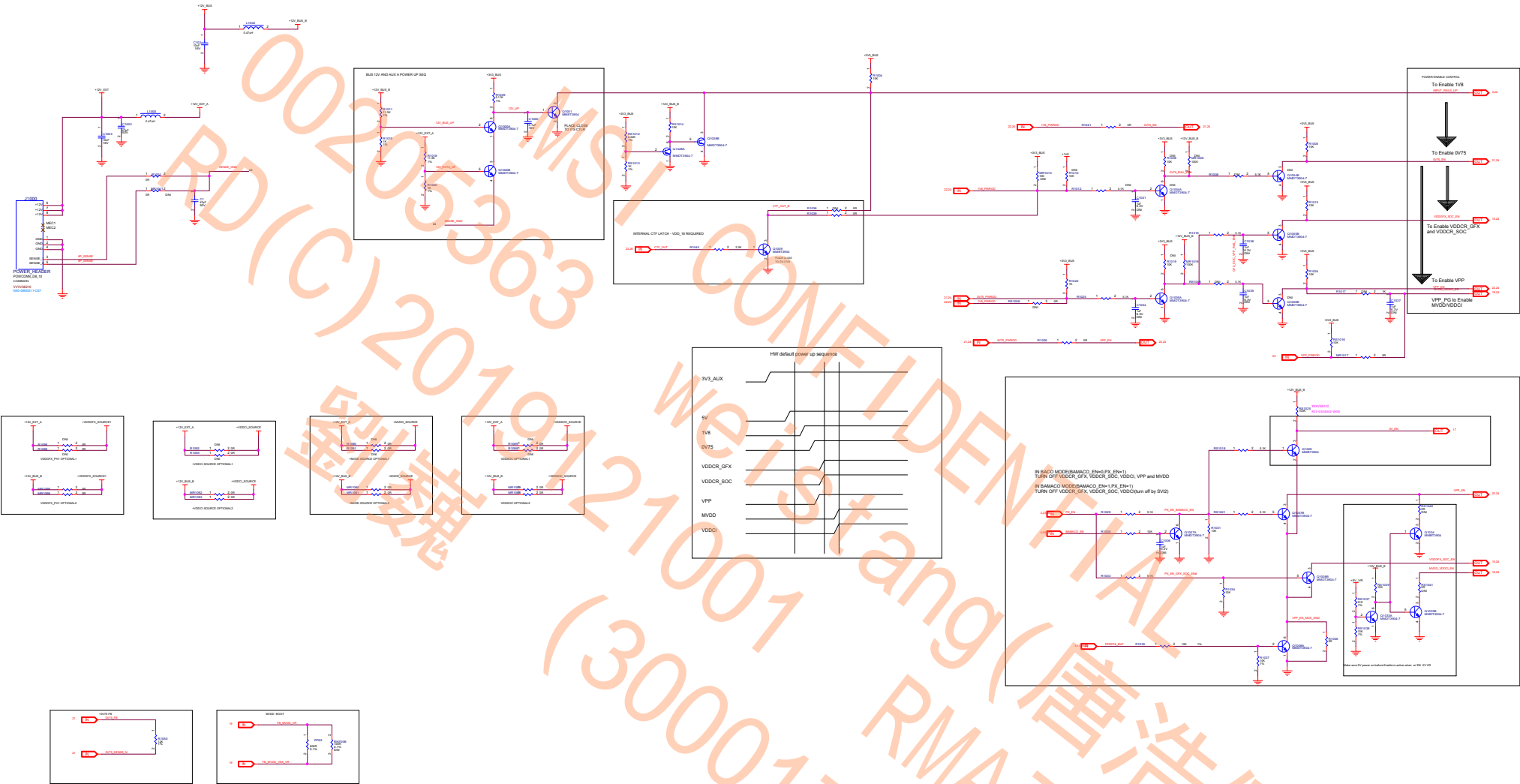


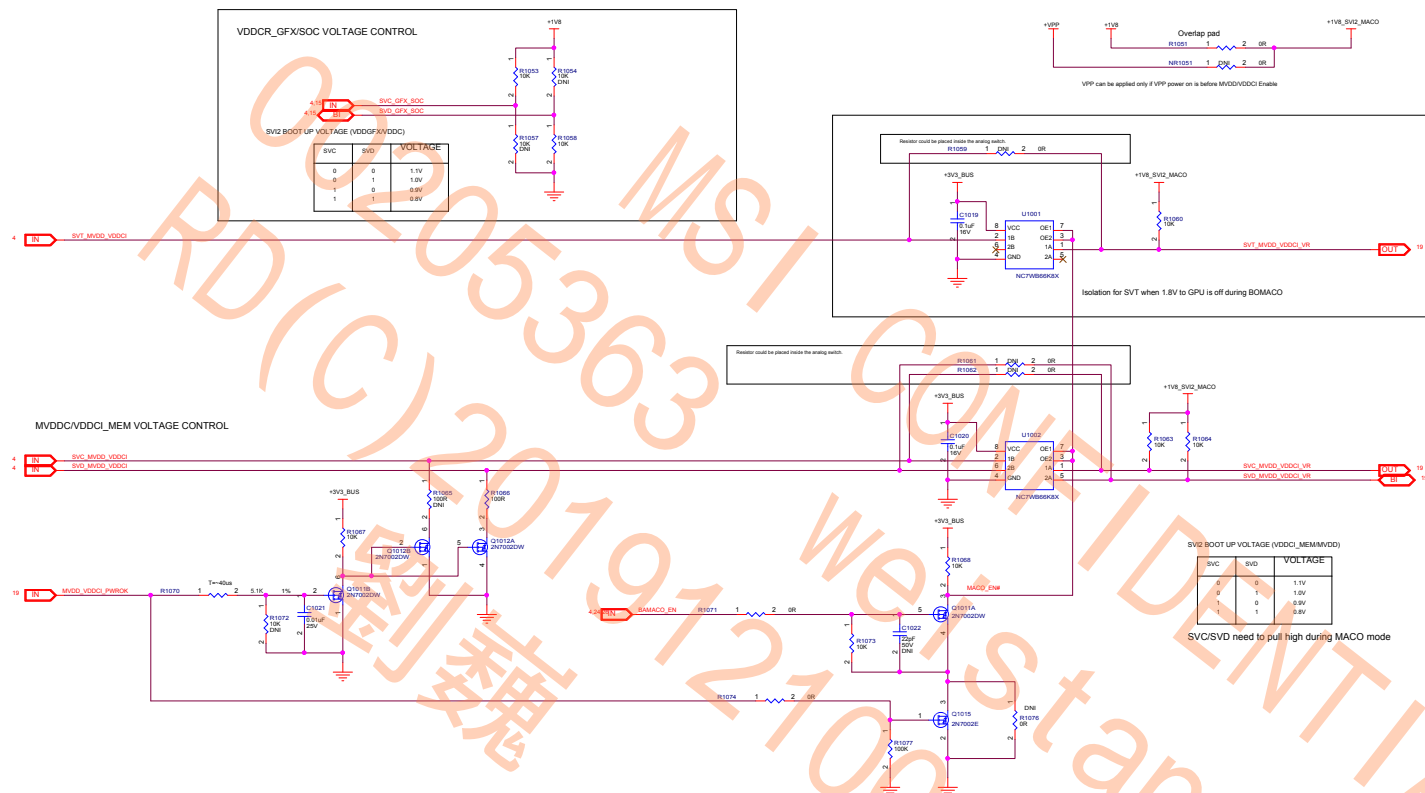




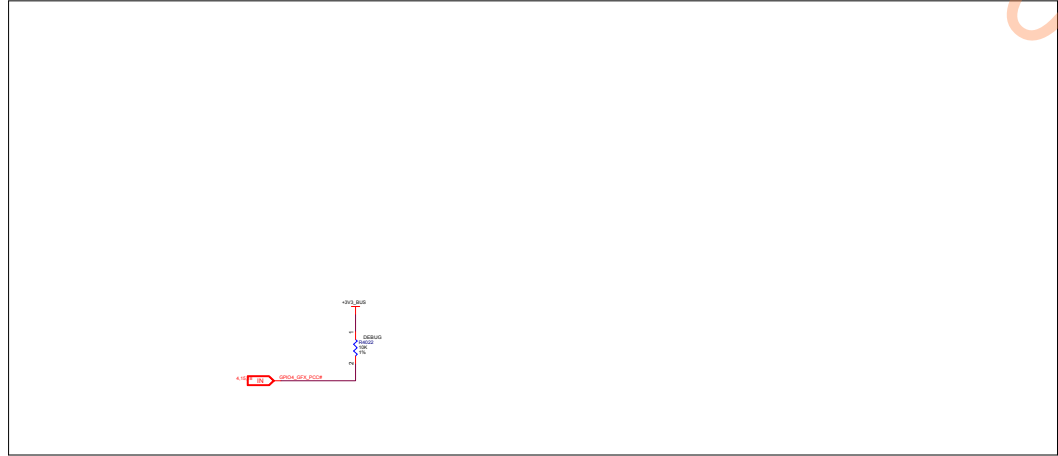
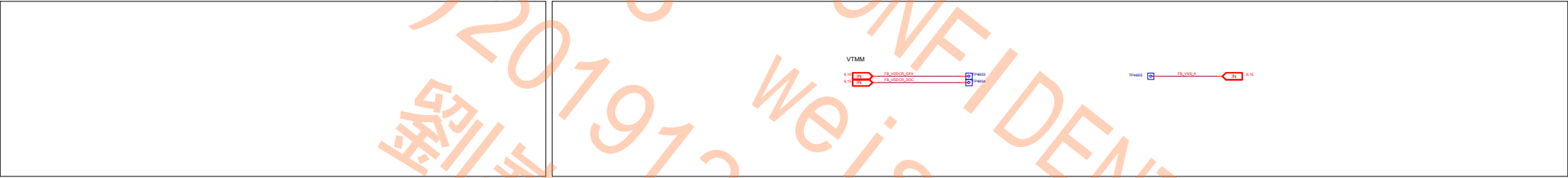
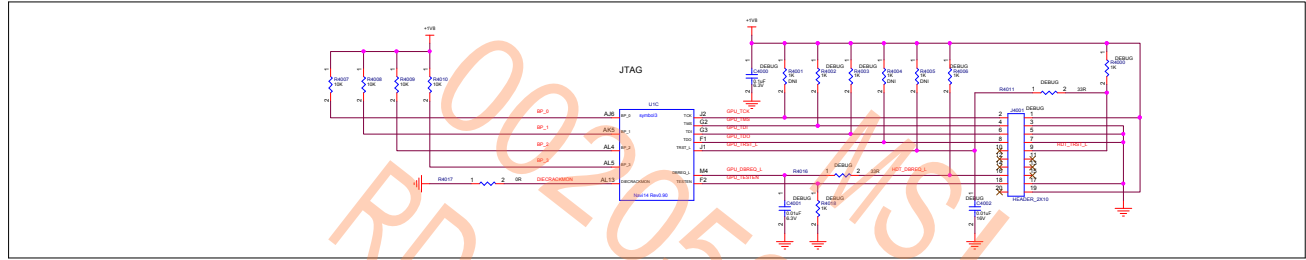








(29) DEBUG CIRCUIT



8

7

6

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1

AMD



TITLE: NAVI14 XT GDDR6 x16 DT BOARD

DOCUMENT NUMBER: 105-D33200-00B

DATE: Mon Apr 22 08:33:14 2019

SHEET NUMBER: 27 OF 27

REV: B

REVISION HISTORY

ENGINEER: Billy Deng

NOTES: NOTE

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SHANGHAI,CHINA 201203

SCH Rev	PCB Rev	Date	REVISION DESCRIPTION
1.00	00A	08/09/2018	Initial schematic
1.00	00B	12/26/2018	change all 4172010501G parts to 4172010500G
		04/16/2019	ADD D1752 D1762 D1763 D1765 ADD R1705 AND CHANGE R1702 LOCAL SENSE POINT ADD R1762 R1763 MR1702 MR1703 and reassign gfa phase1-3 input source ADD R4653 R4654 R4655 C4650 Change T01: 0.53uH520118000G R749: 909R316050000G NR1704 30K316100200G R743: 18K2160180200G C747 470pF 4170047100G C748 220uF4 17022100G

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