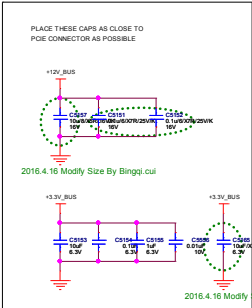
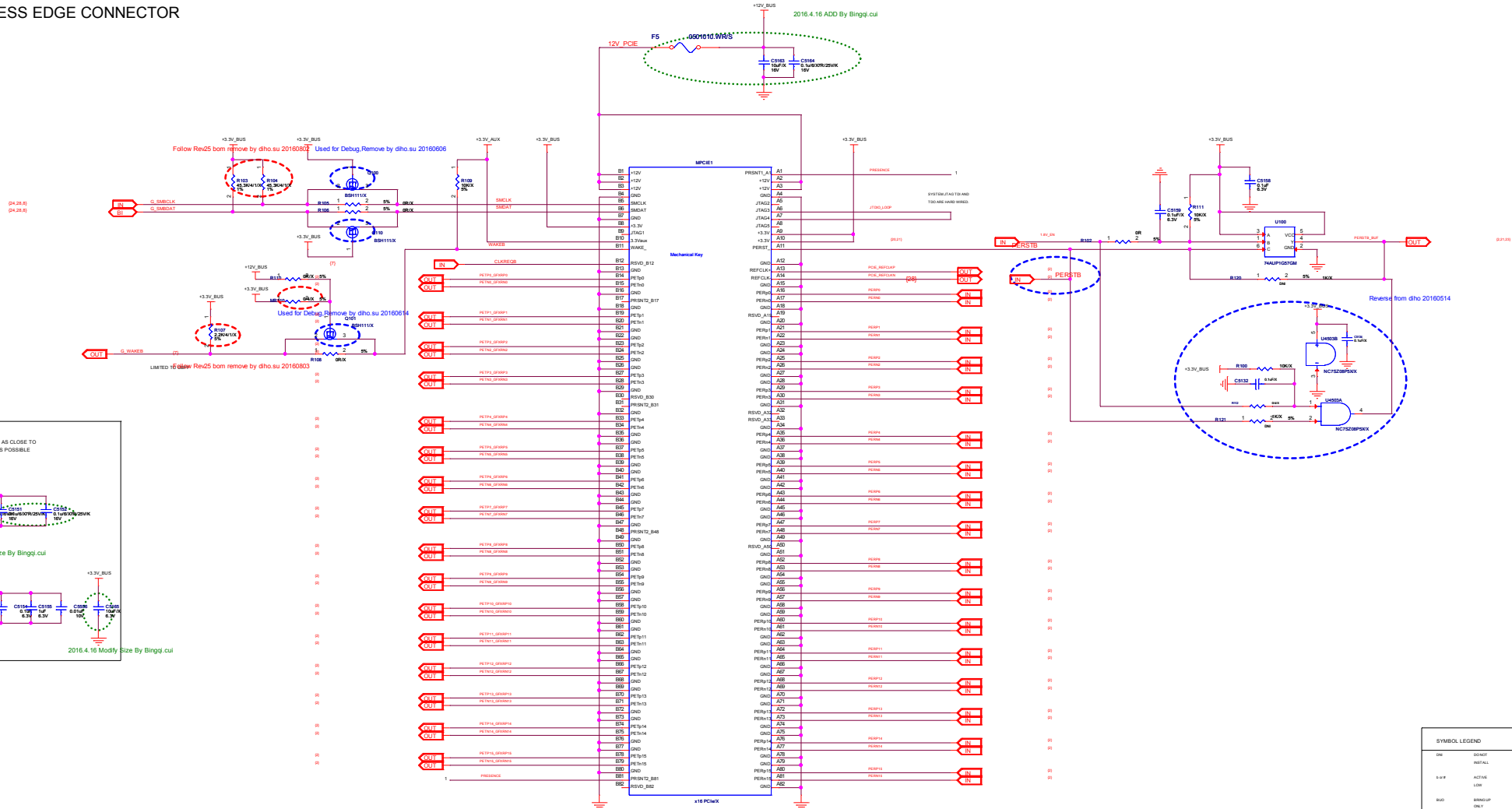


(1) PCI-EXPRESS EDGE CONNECTOR

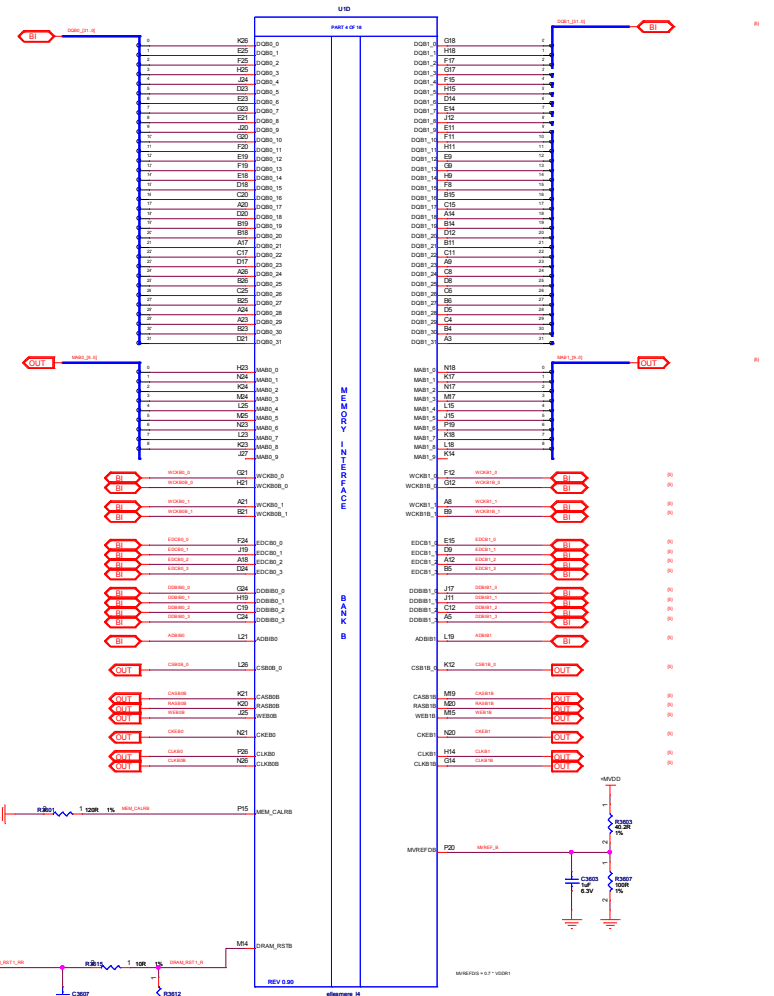
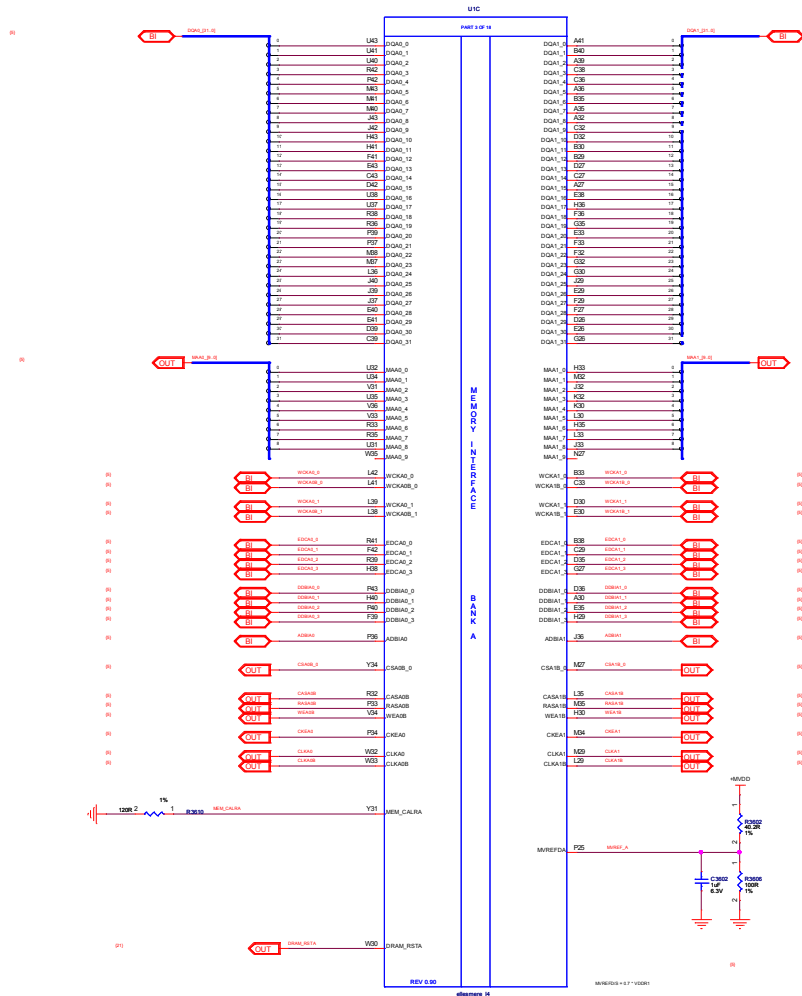


SYMBOL LEGEND

DI	DRAWN
IN	INTERNAL
0.0	ACTIVE LOW
BU	BUSGROUP ONLY
	DIF/PA
	ANALOG
	GROUND

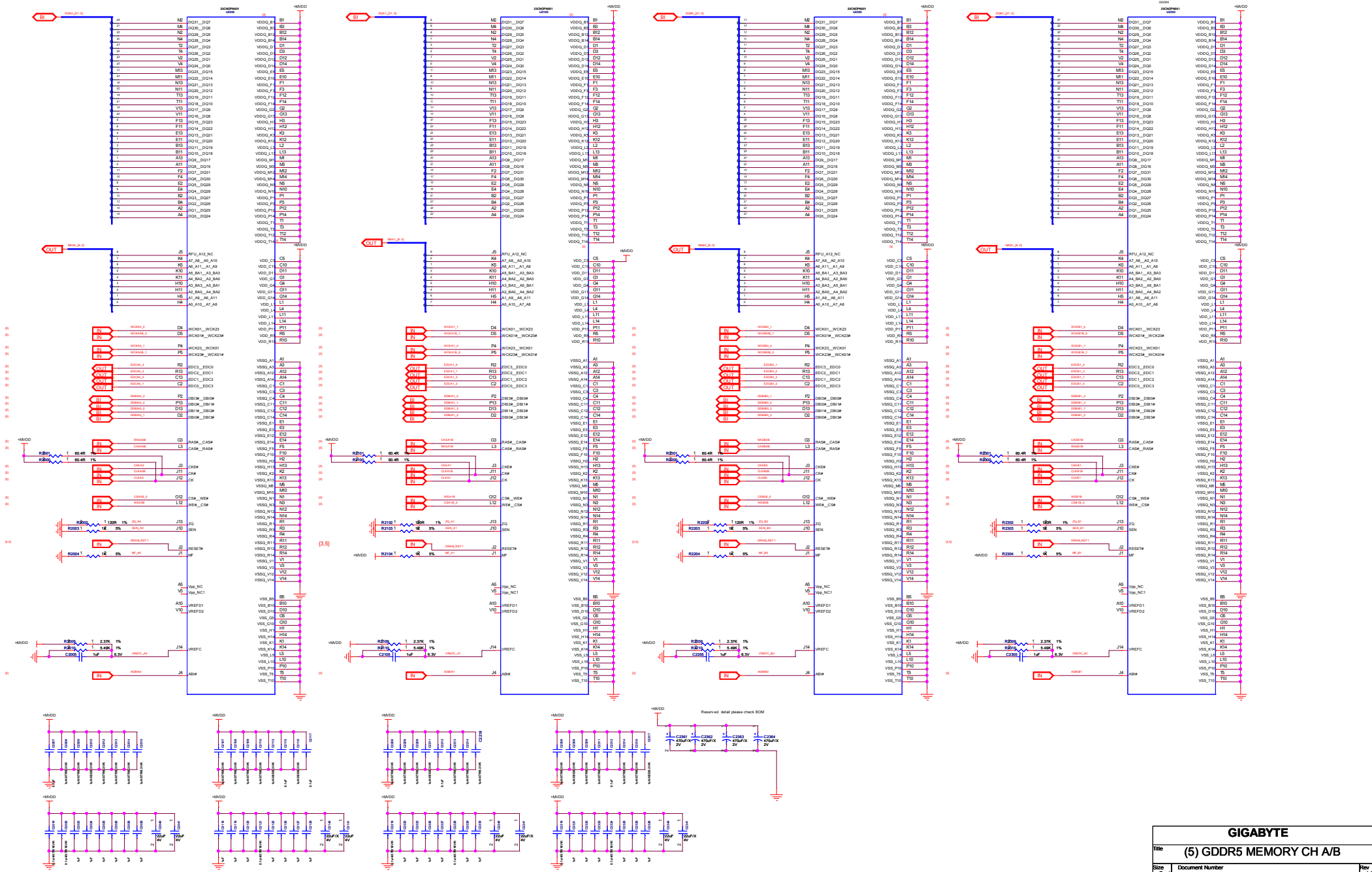


(3) ELLESMERE MEM INTERFACE CH A/B

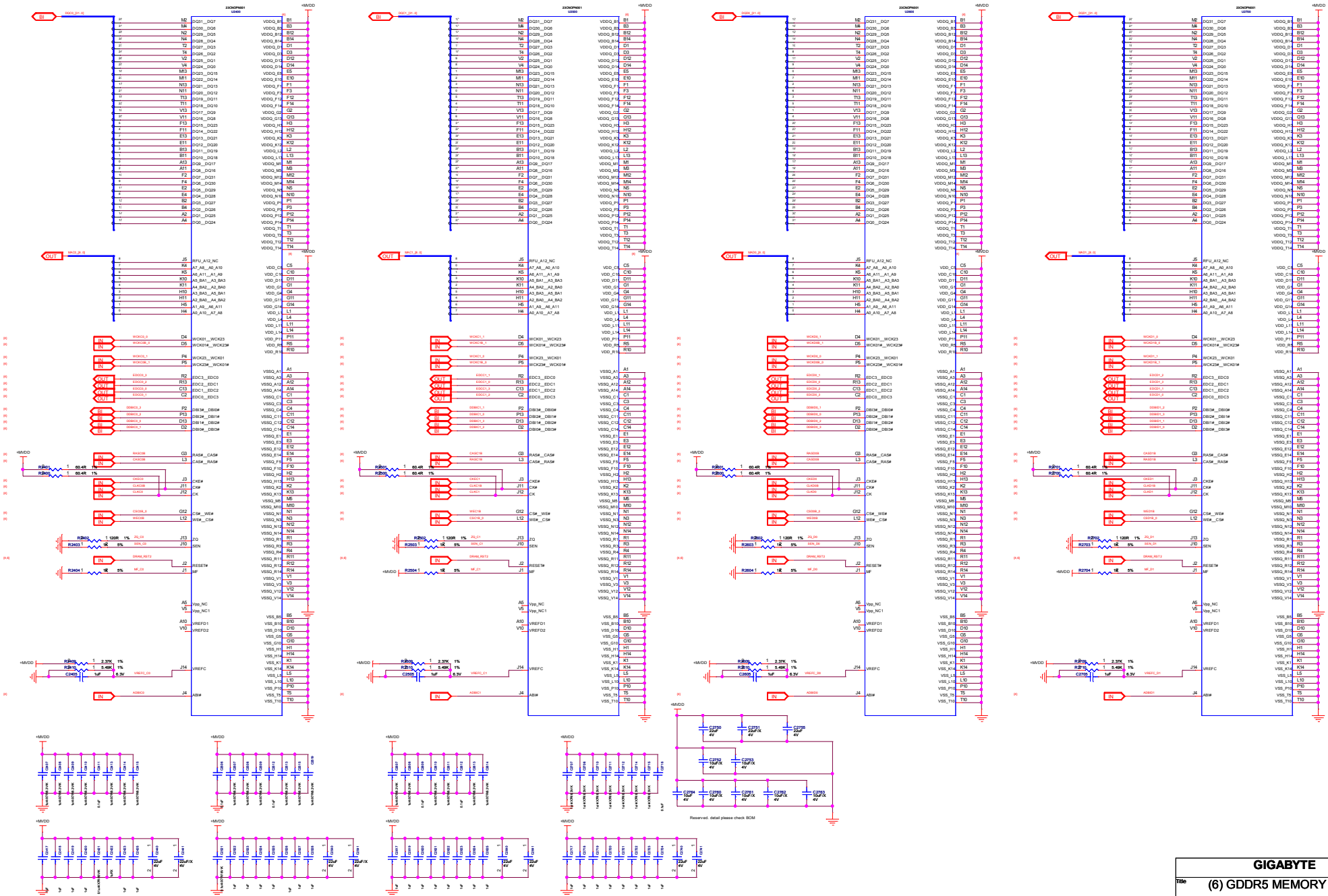




(5) GDDR5 MEMORY CH A/B



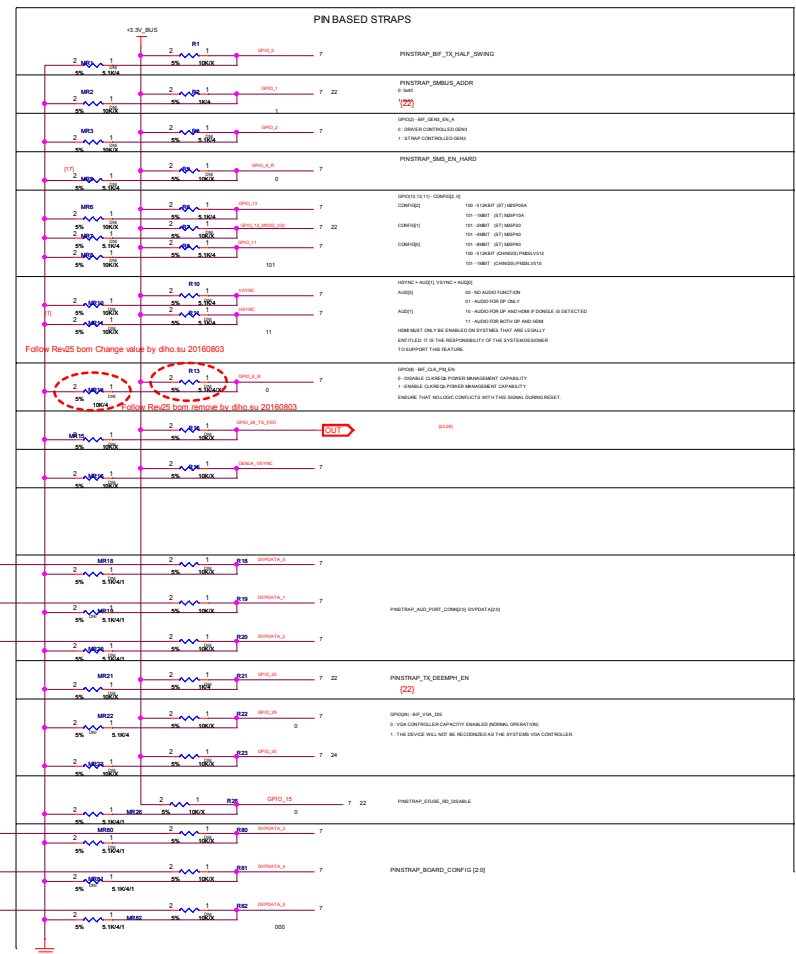
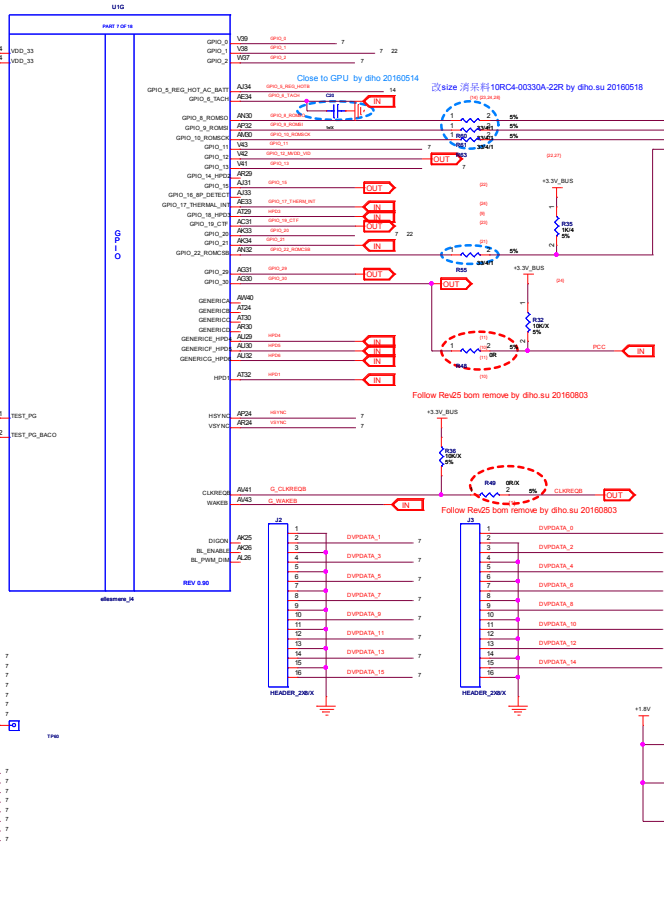
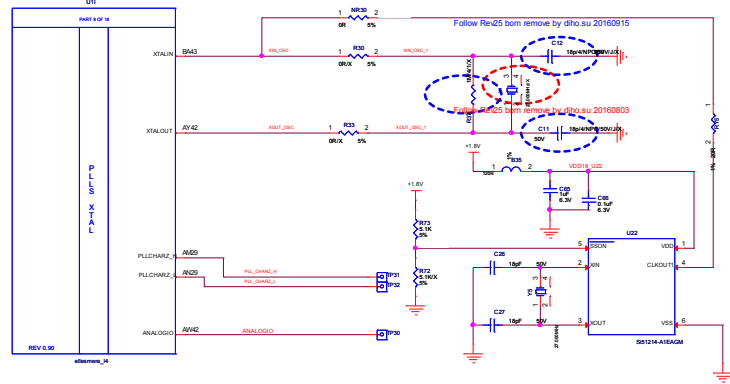
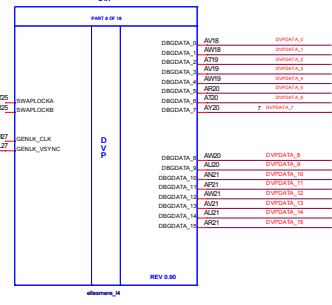
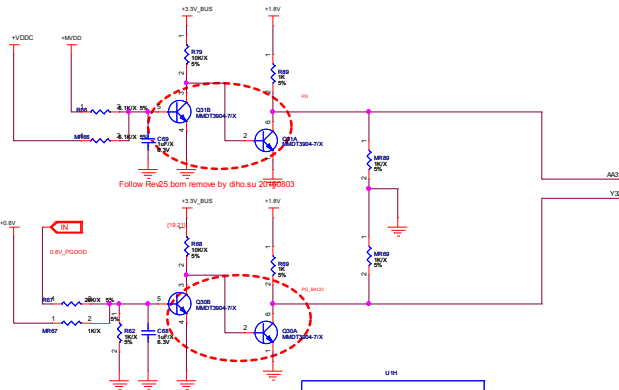
(6) GDDR5 MEMORY CH C/D



(7) ELLESMERE GPIO STRAP CF XTAL

IC ADDRESS	FUNCTION	DEVICE

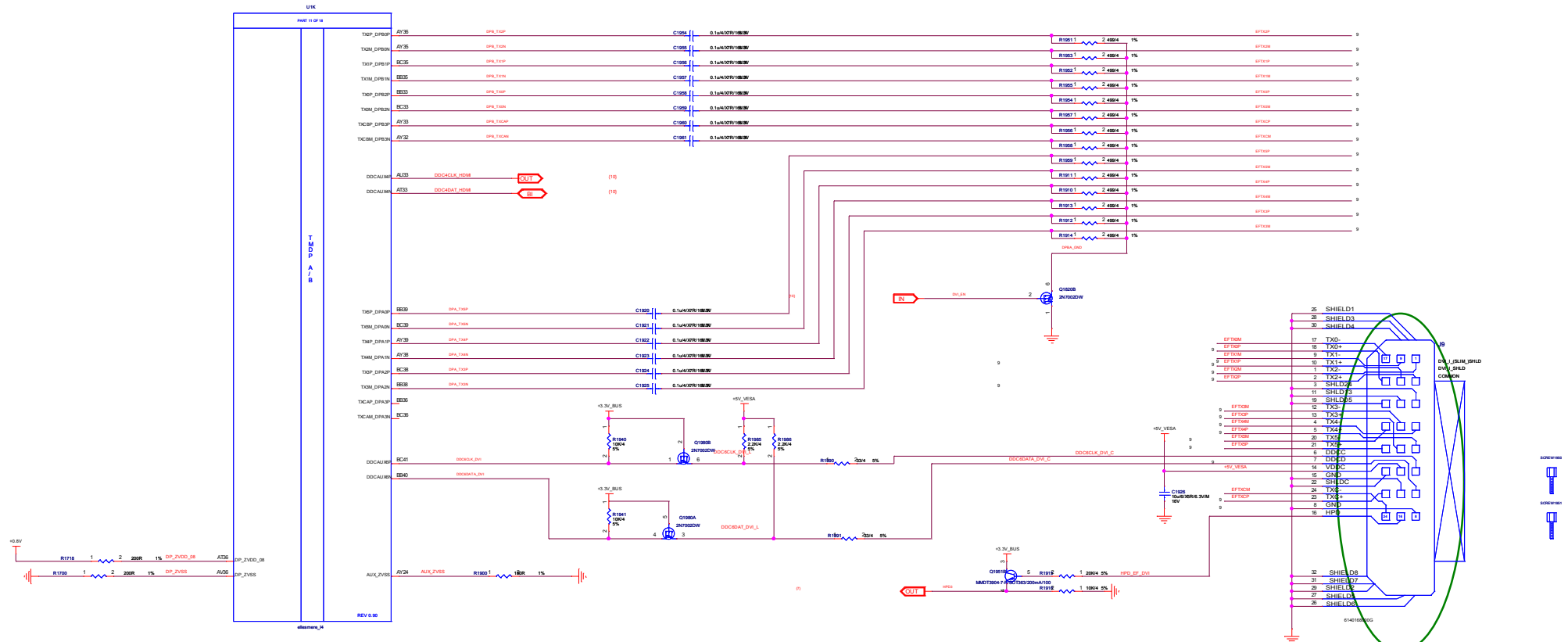
IC ADDRESS	FUNCTION	DEVICE
0x48	EXT TEMP SENSOR	LM6003



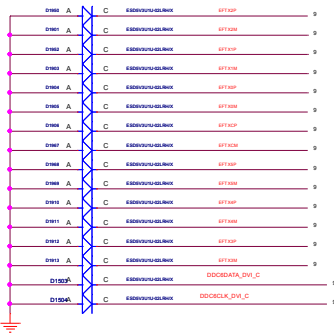




(9) ELLESMERE TMDP A/B

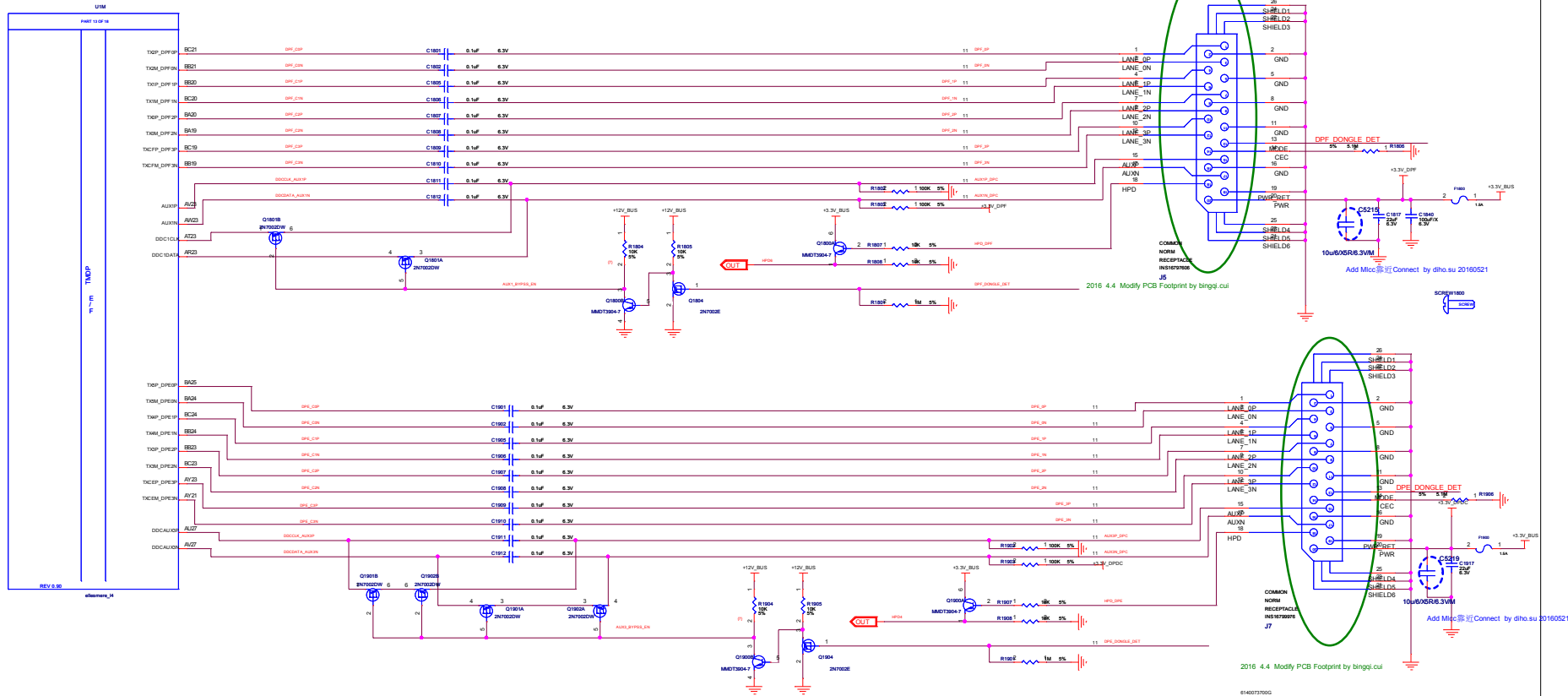


OPTIONAL ESD PROTECTION DIODES

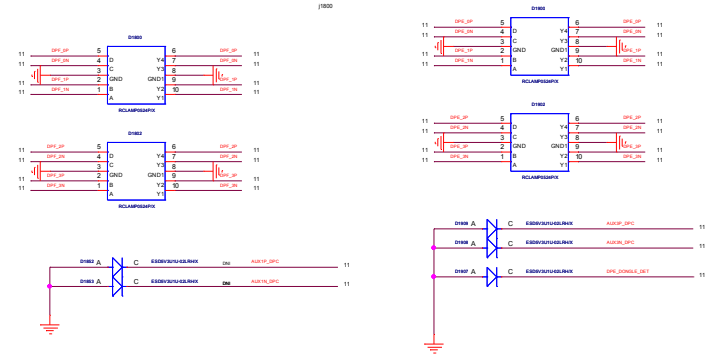


2016.5.20 Modify PCB Footprint by DHO.SU



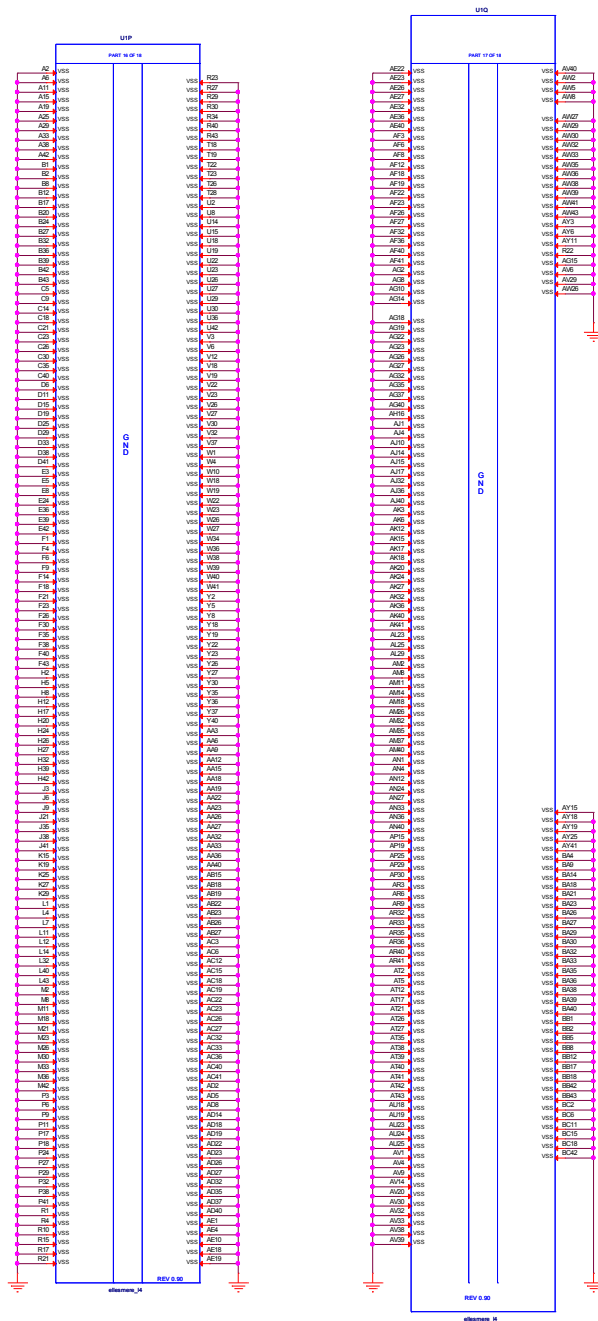


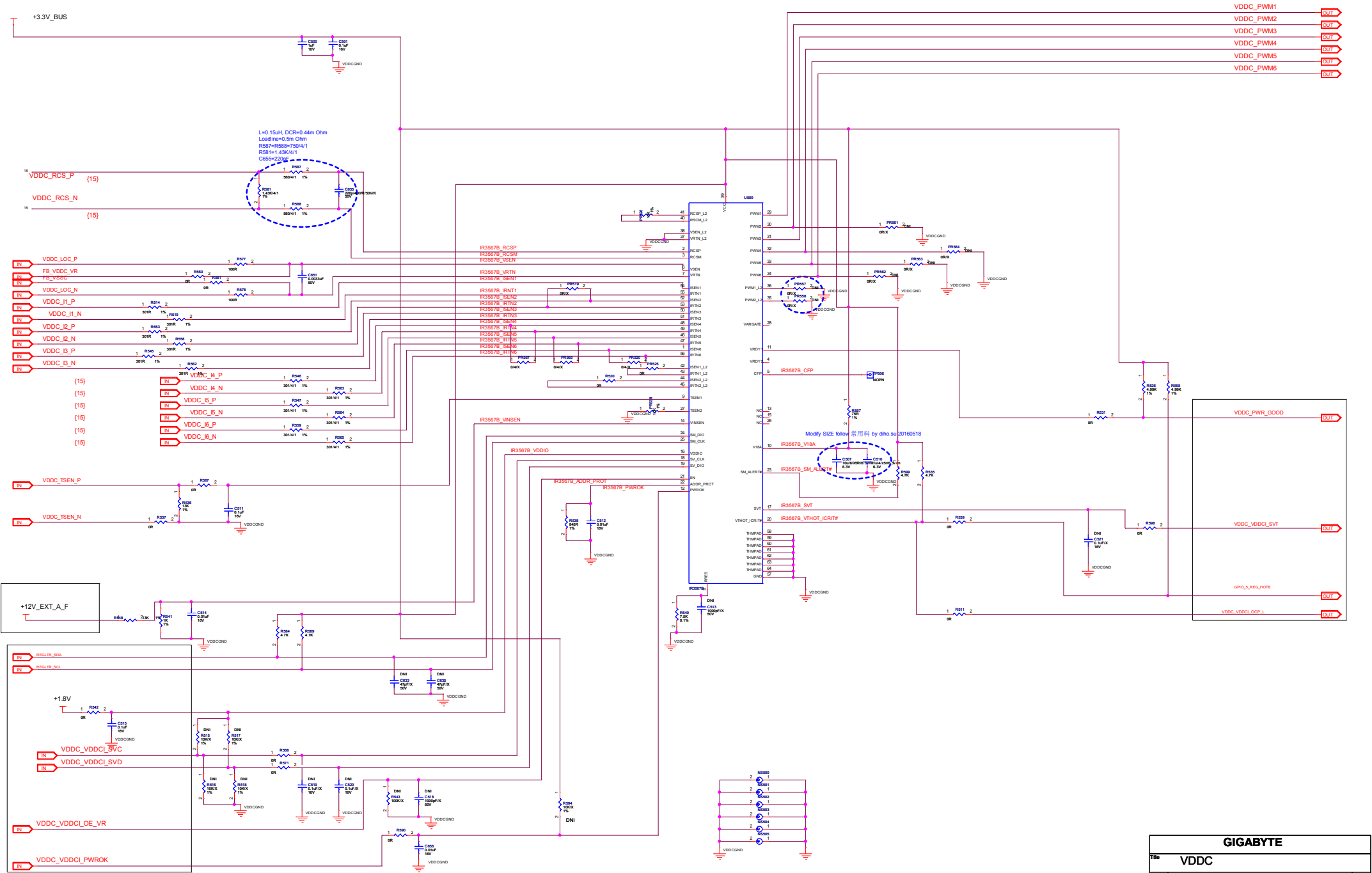
OPTIONAL ESD PROTECTION DIODES





(13) ELLESMERE GROUND





- VDDC\_PWM1
- VDDC\_PWM2
- VDDC\_PWM3
- VDDC\_PWM4
- VDDC\_PWM5
- VDDC\_PWM6

VDDC\_PWR\_GOOD

VDDC\_VDDCI\_SVT

GPIO\_1\_RES\_HOTB

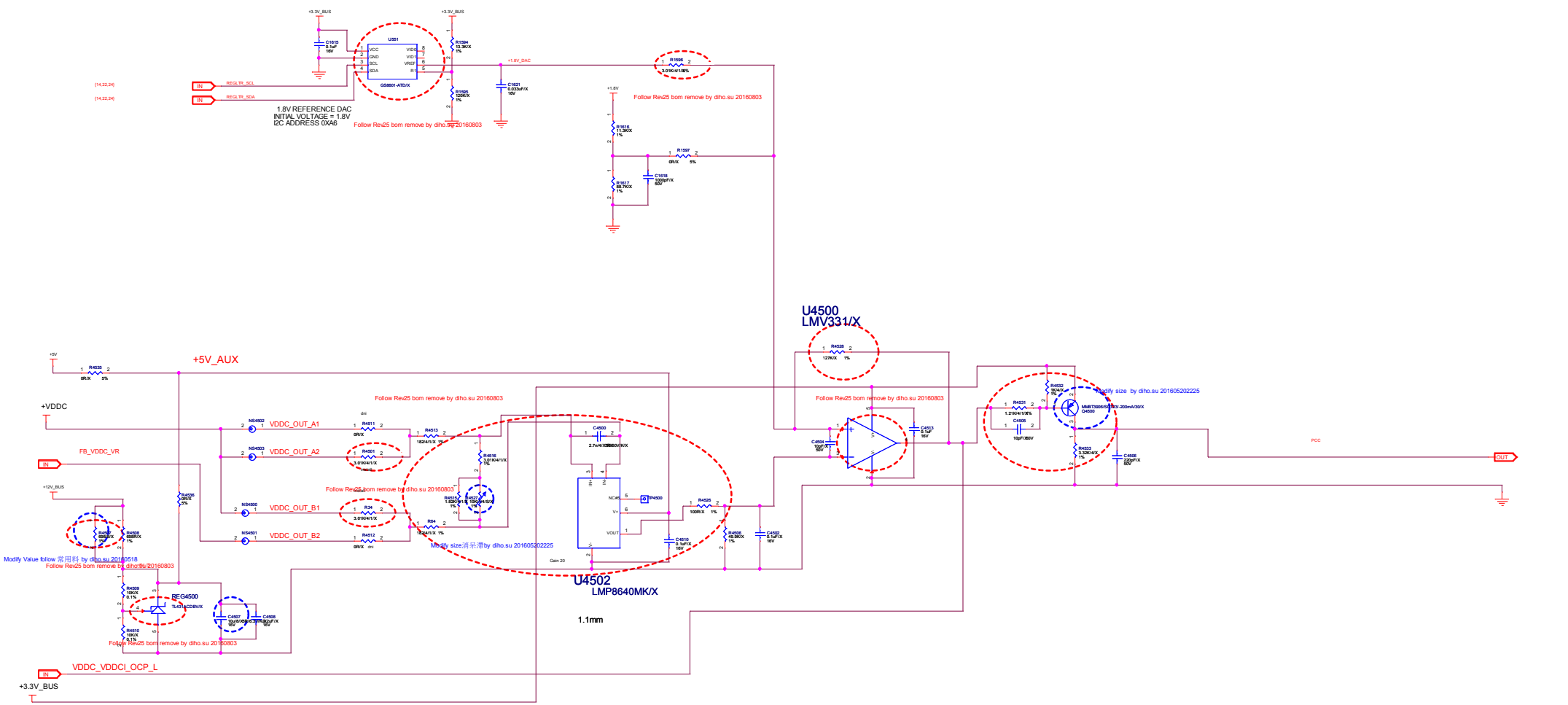
VDDC\_VDDCI\_OCP\_I

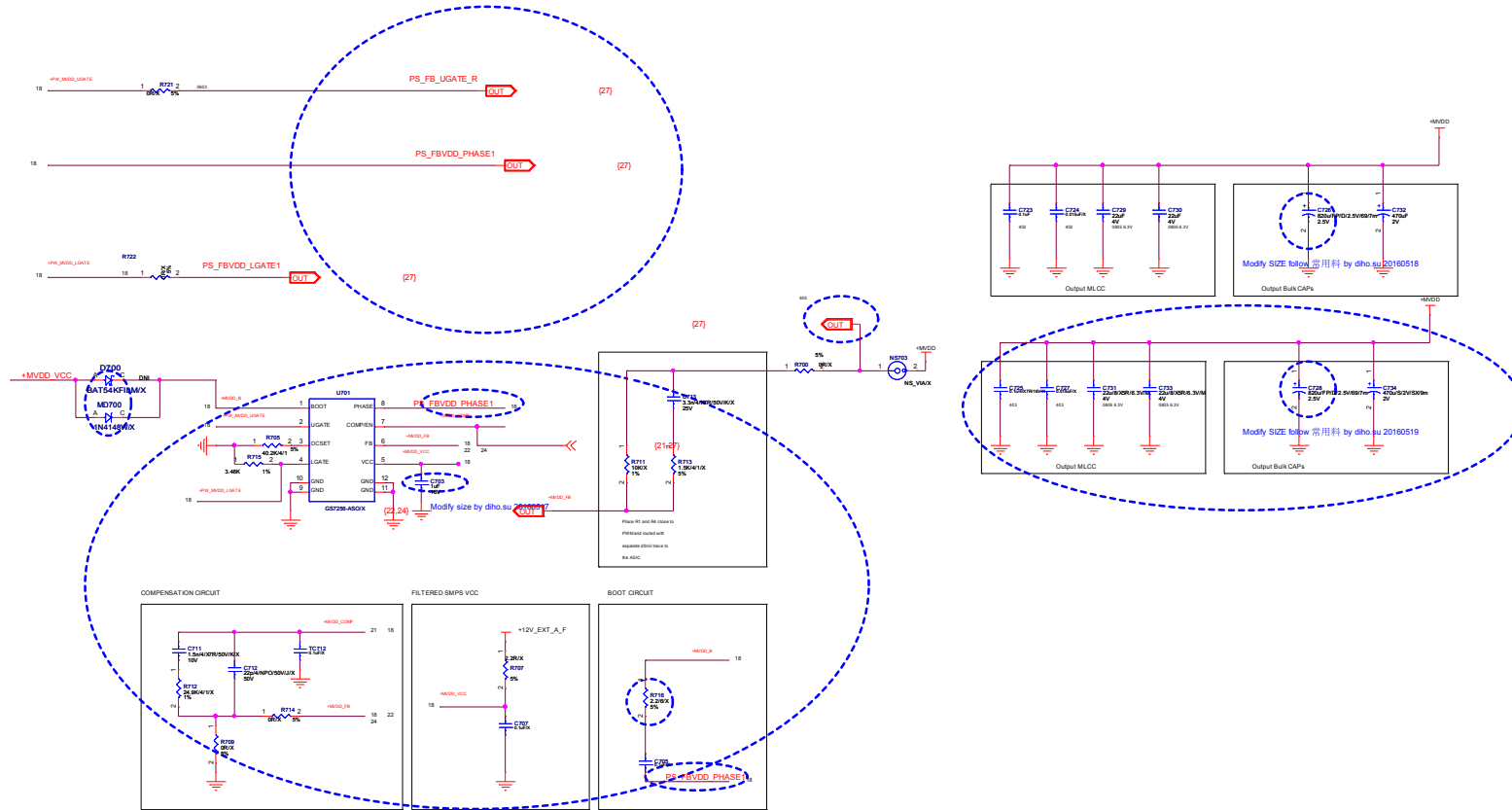
<b>GIGABYTE</b>		
Title <b>VDDC</b>		
Size	Document Number	Rev
Customer	<b>GV-RX580GAMING-8GD</b>	1.0
Date	Monday, February 27, 2017	Sheet 14 of 29









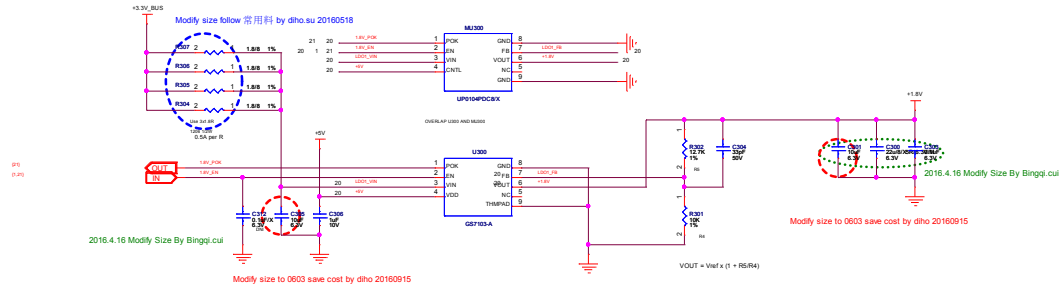


/X Single phase power by diho.su.20160517

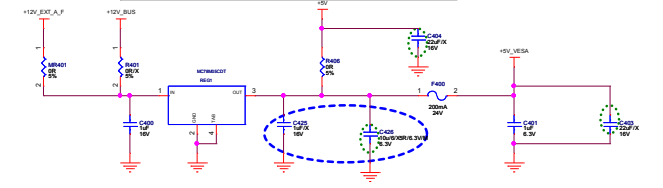


(18) SMALL RAIL REGULATORS

LDO #1: VIN = 3.0V TO 3.6V MAX VOUT = +1.8V +/-2% IOUT = 1.3A RMS MAX  
 PCB: 50 TO 70mm SQ. COPPER AREA FOR COOLING



REGULATOR FOR +5V RAILS  
 IOUT MAX = 150mA

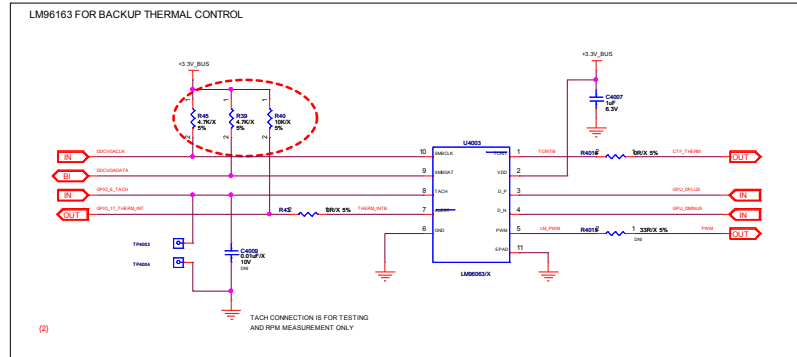
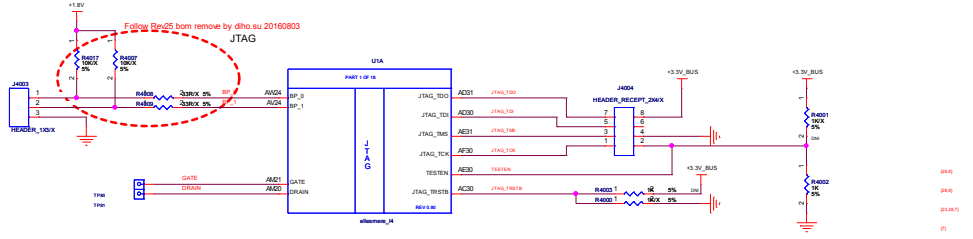




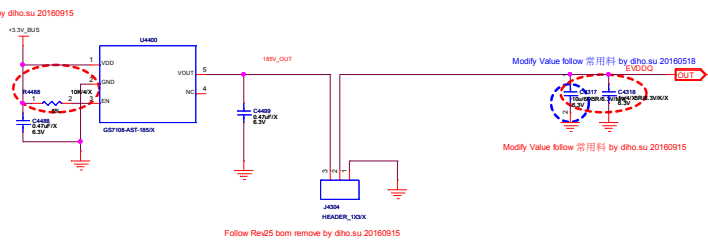




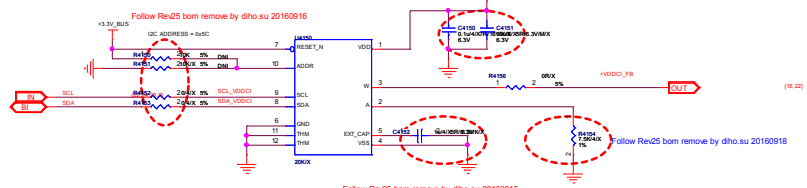
(21) DEBUG CIRCUITS



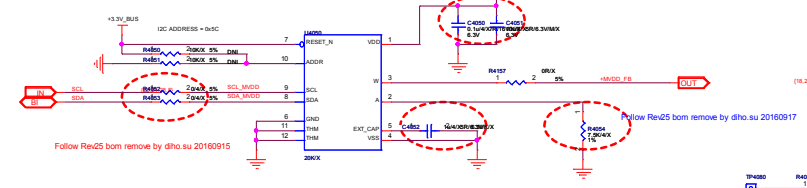
E-FUSE CAPABILITY  
DEFAULT = GPIO-CONTROLLED  
(MANUAL OPTION AS BACK-UP)



DIGITAL POTS

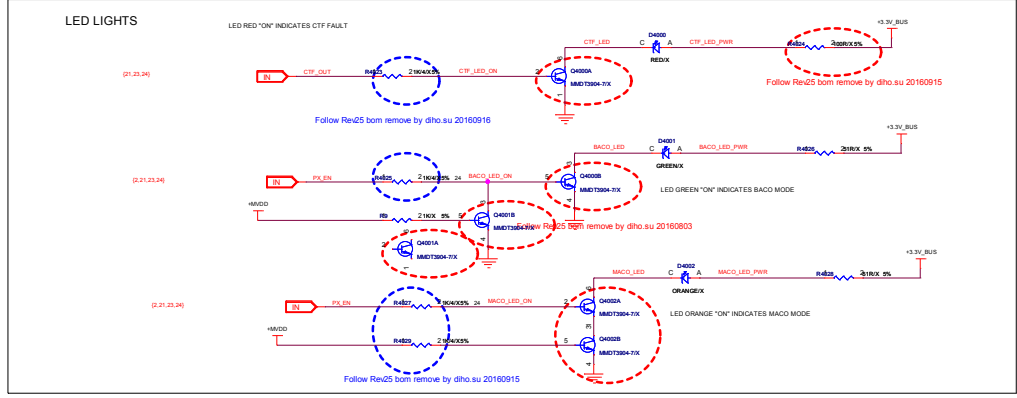


DIGITAL POTS

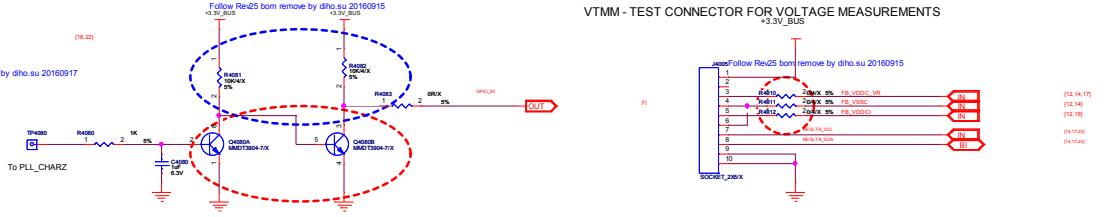


(1, 2), 8  
(1, 2), 8

SWITCHES



VTMM - TEST CONNECTOR FOR VOLTAGE MEASUREMENTS

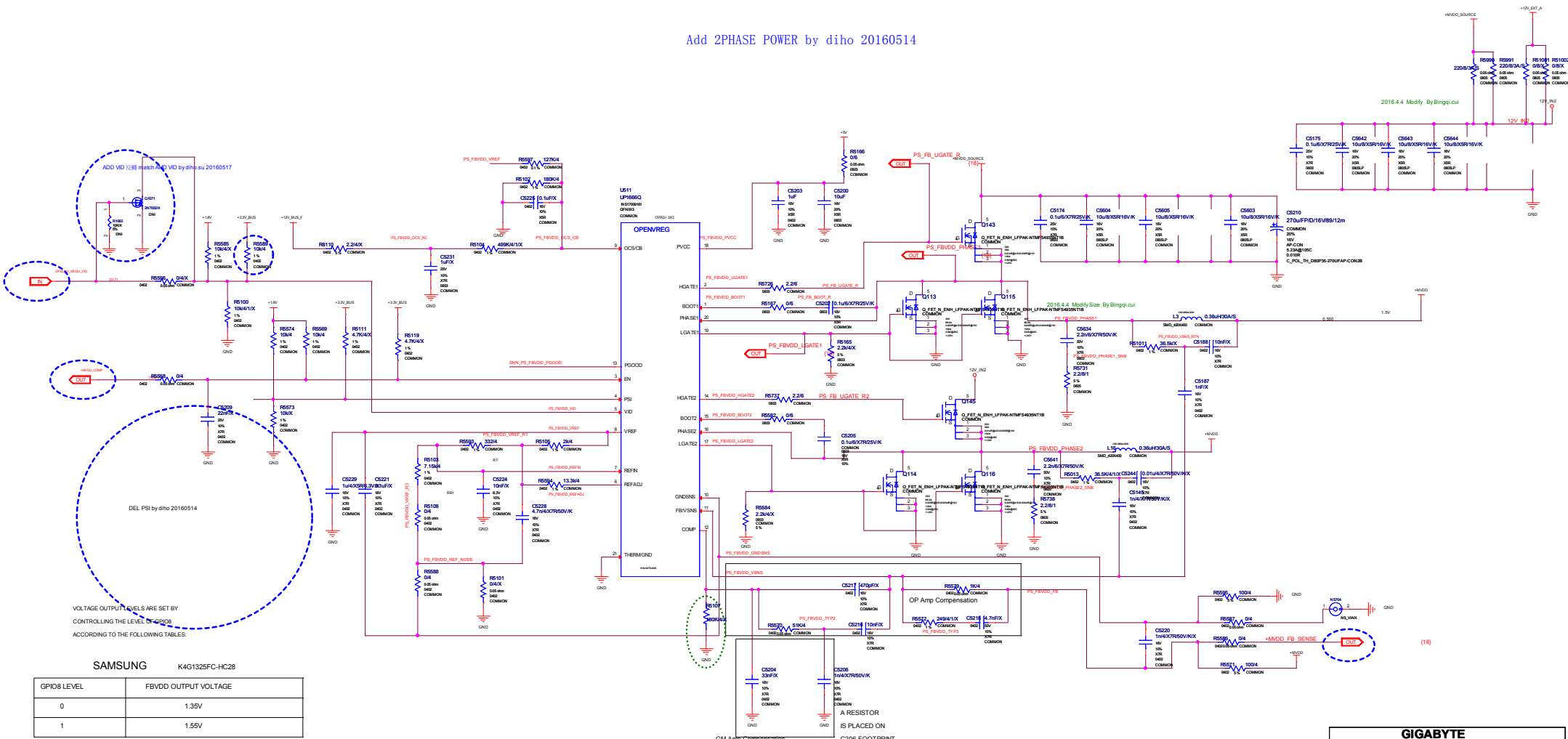






0	0A	000000	
1	0B	000000	1. Add IPD1 for graphics VIDEO 2. Update VIDEO pin sequence
2	0C	000000	HDMI: - add pinmux resistor R11800 - R11807 - add pull-down resistor L11800 - L11807 remove C400, C401, VR400, C410, C414, R400
3	0D	000000	Modify USB Design

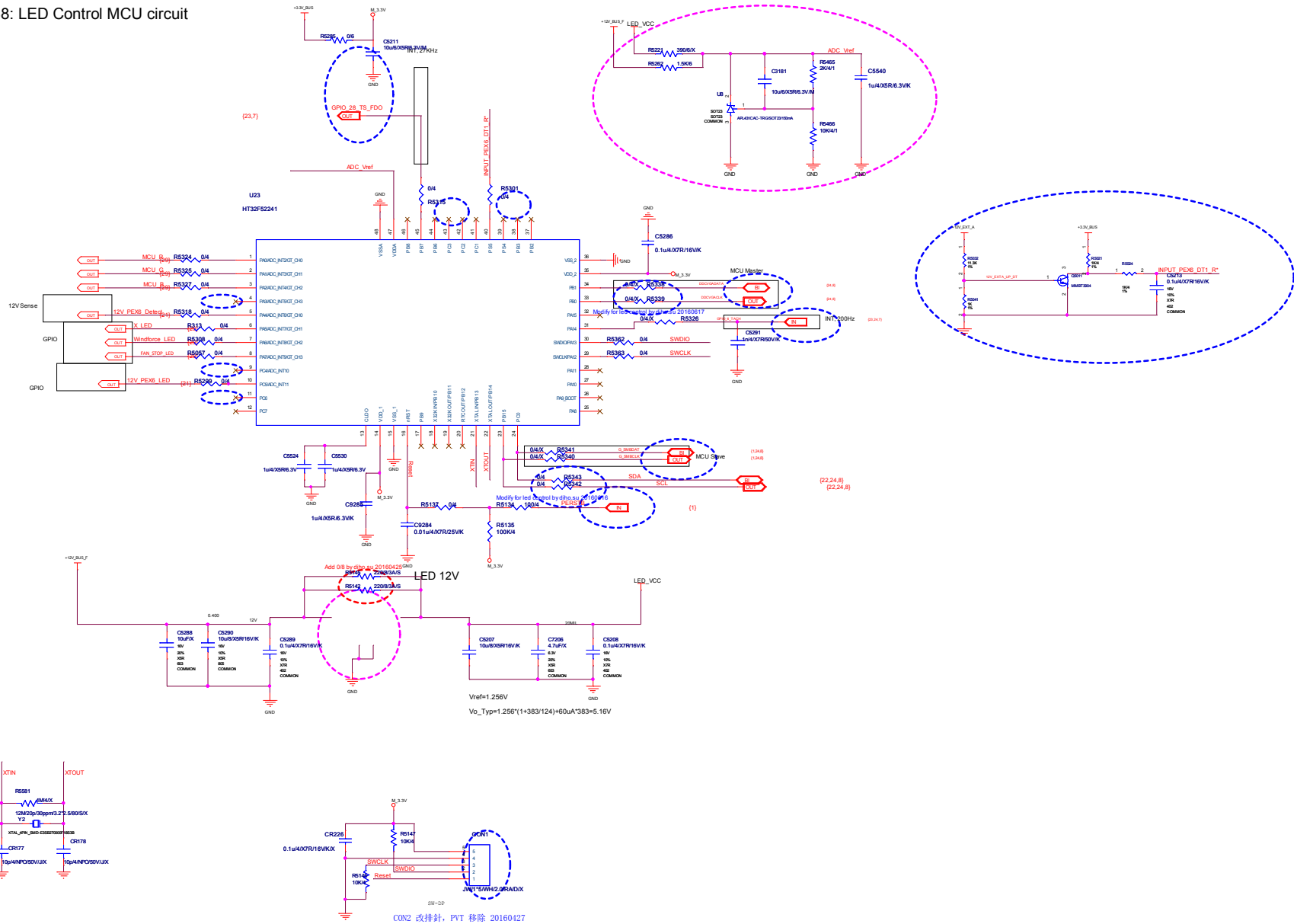
Add 2PHASE POWER by diho 20160514



SAMSUNG K4G132FC-HC28

GPIO# LEVEL	FBVDD OUTPUT VOLTAGE
0	1.35V
1	1.55V

<b>GIGABYTE</b>	
File	FBVDD
Size	Document Number
Class	GV-RX580GAMING-8GD
Date	Monday, October 27, 2017
Sheet	27 of 29
Rev	1.0

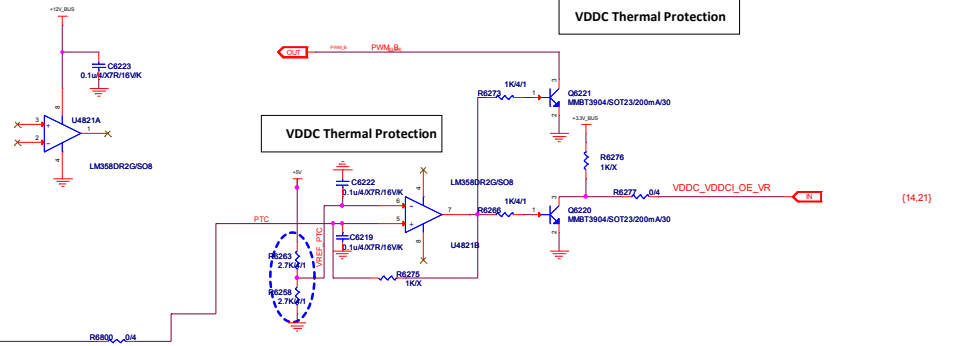
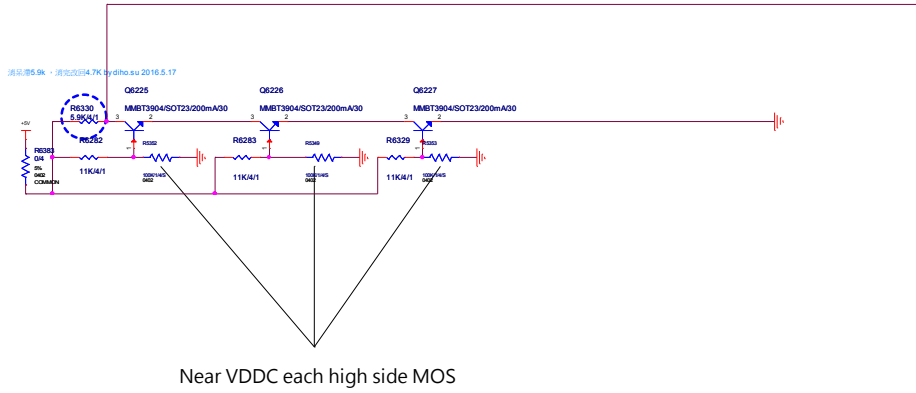


Vout = 8 ~ 7.5V

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ASSEMBLY PAGE DETAIL	ASSEMBLY DESCRIPTION: MCH Bracket/Thermal										
<table border="1"> <tr> <td>File</td> <td></td> </tr> <tr> <td>Doc Number</td> <td>GV-R0880GMMING-8GD</td> </tr> <tr> <td>Rev</td> <td>1.0</td> </tr> <tr> <td>Date</td> <td>Monday, February 27, 2017</td> </tr> <tr> <td>Sheet</td> <td>28 of </td></tr></table>		File		Doc Number	GV-R0880GMMING-8GD	Rev	1.0	Date	Monday, February 27, 2017	Sheet	28 of
File											
Doc Number	GV-R0880GMMING-8GD										
Rev	1.0										
Date	Monday, February 27, 2017										
Sheet	28 of										

Add MOS VRHOT CIRCUIT



FAN Stop LED

