

8885 (C69), 4/8Mx16 DDR, 32/64MB, LFH and RGB-TV-out, PCI

PCI DEVICE ID = 0X172 FOR GF4-MX420-XX.



MS-8878 BASE ON P73-A04 MODIFY

- Page 1. Add CE1 and RE1 for EMI solution.  
Add compability with M/B.  
rename , C22 to C144,R4 to R111,R5 to R112,R6 to R113,U1 to U101  
change NET name, U100.AH17 to BUF\_PCIRST\_ also at the R112 and C144.
- Page 4. U300.9,U300.10,U300.1,U300.2 and U300.7 pin connect to GND.
- Page 5. remove VGA2 function.
- Page 9. Remove SAA7114H function and ADD AV-OUT & S\_OUT conector.  
remove L500,C500,C505,C506,C538,C539,C507,C508
- Page 10. C613,C604,C605,C614,L600 and L601 change to DIP type,ADD C620 , Q1 change to AOS4800
- Page 11. R704~R719,R726~R733,R745,R746 PAD size change to 0603 type and Add R747 10k ohm.  
Add parallel bios function.  
R746,R747 stuff ( 00 )
- Page 6 . Add Fan power function.


MS-8878 VER:310 MODIFY

- Page 2. Add 74XCT74 buffer for PCI\_RST function.
- Page 5. Add 75ohm and bypass Cap. for TV-OUT function.
- Page 9. Swap S-OUT.3 and S-OUT.4 net name.
- Page 10. Change DIP type CAP. footprint.
- Page 11. Change U1000.22 net name.

MS-8885 BASE ON MS-8878 VER:310

- Page 2. Remove AGP interface.
- Page 3. Add PCI interface & level shift IC (Insert page).
- Page 7. Add LFH interface.
- Page 10. Change AV\_OUT & S\_OUT connector to S-TV-out( 9 pin).
- Page 13. Add H/W monitor.
- Page 14. Add Linear Power Supplies.

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Item\Quantity\Reference\Value\Assembly\MSI\MP98\Source Package\AVL1\AVL2\AVL3\AVL4\AVL5



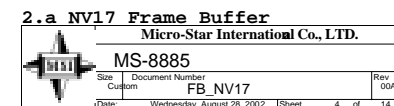
Micro-Star International Co., LTD.

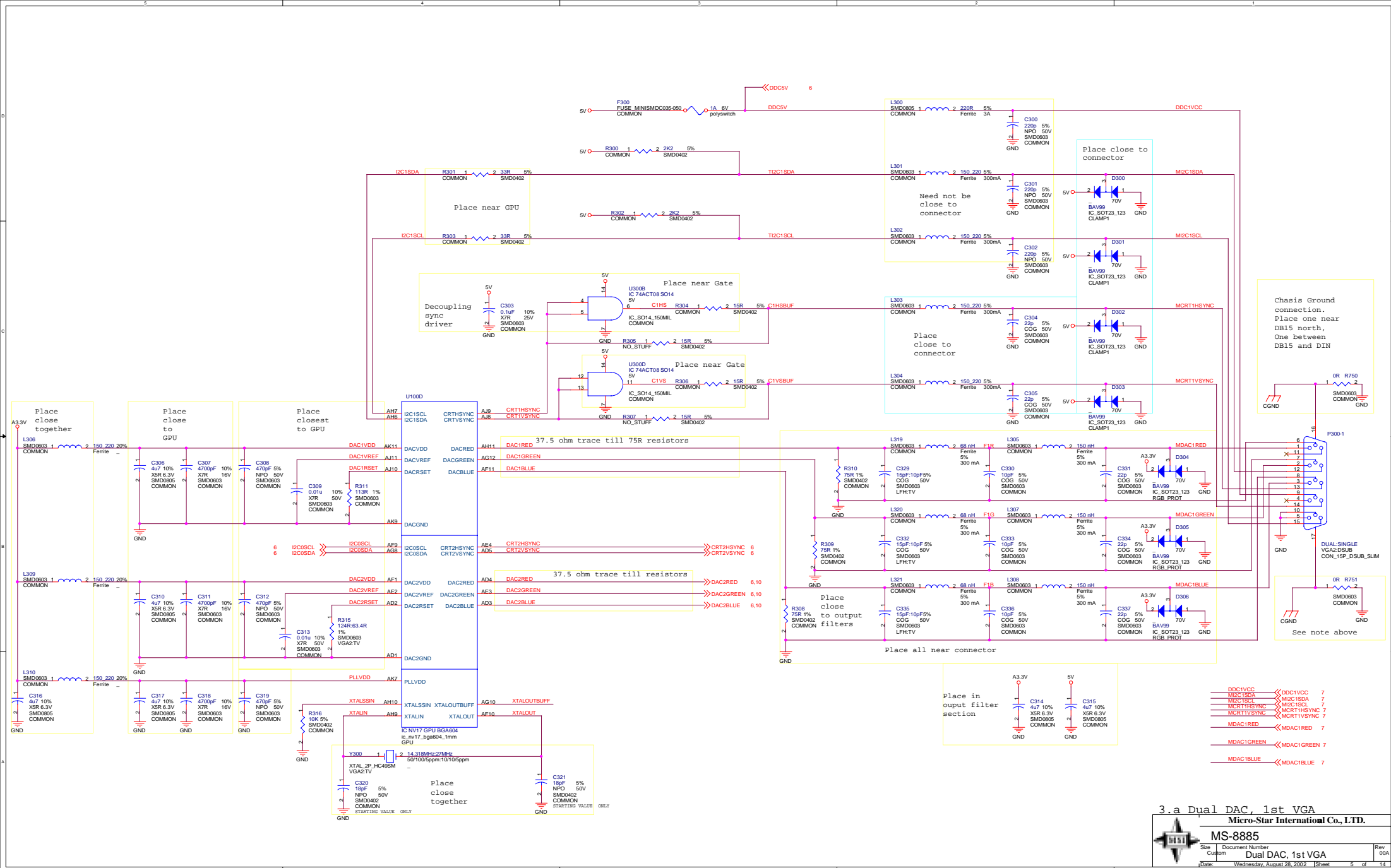
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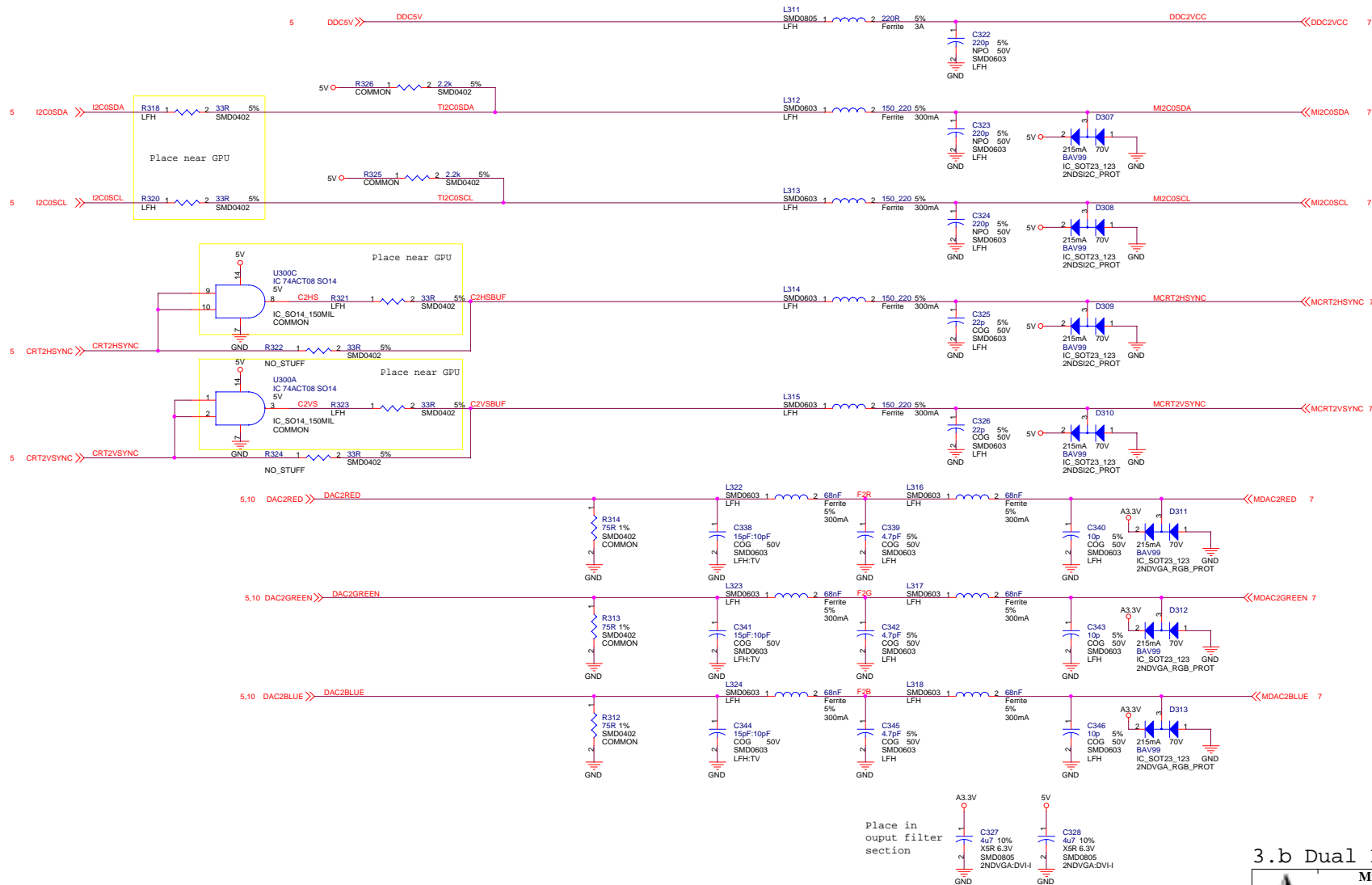
### 3.a Dual DAC, 1st VGA

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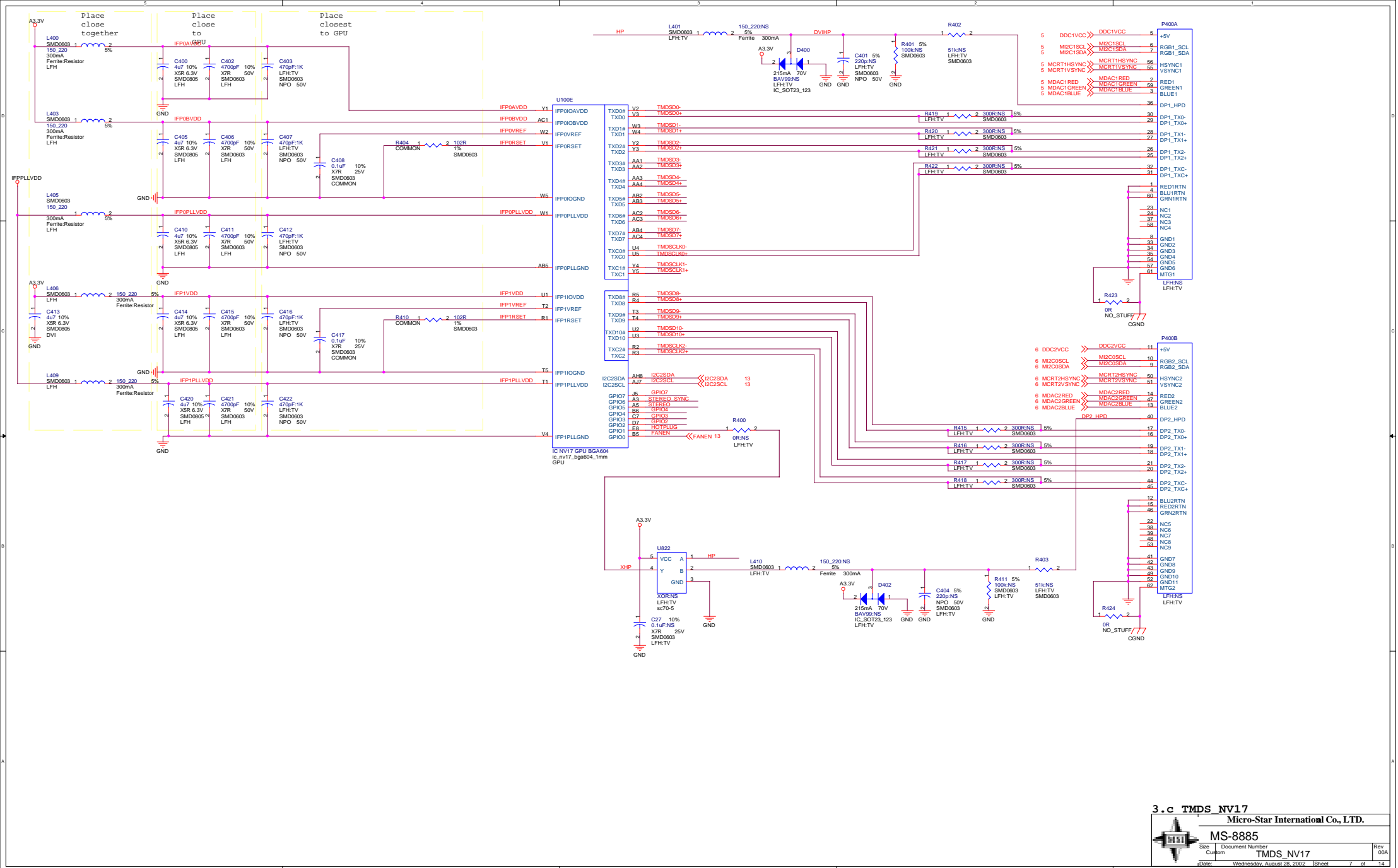
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### 3.b Dual DAC, 2nd VGA

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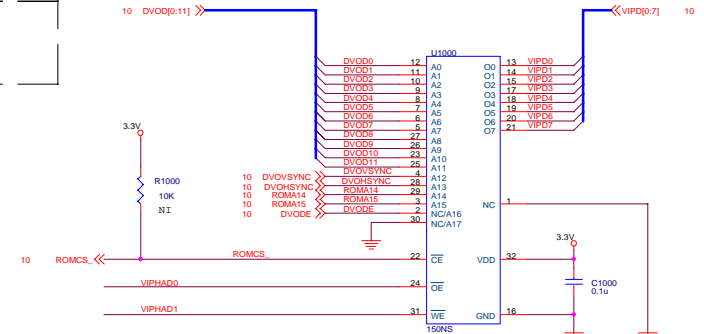
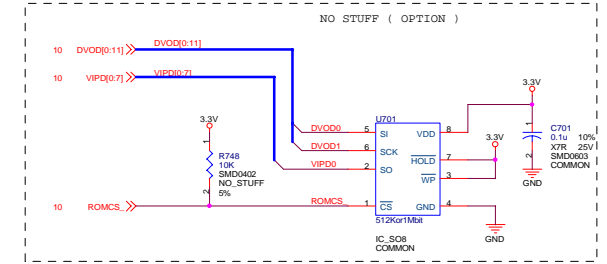
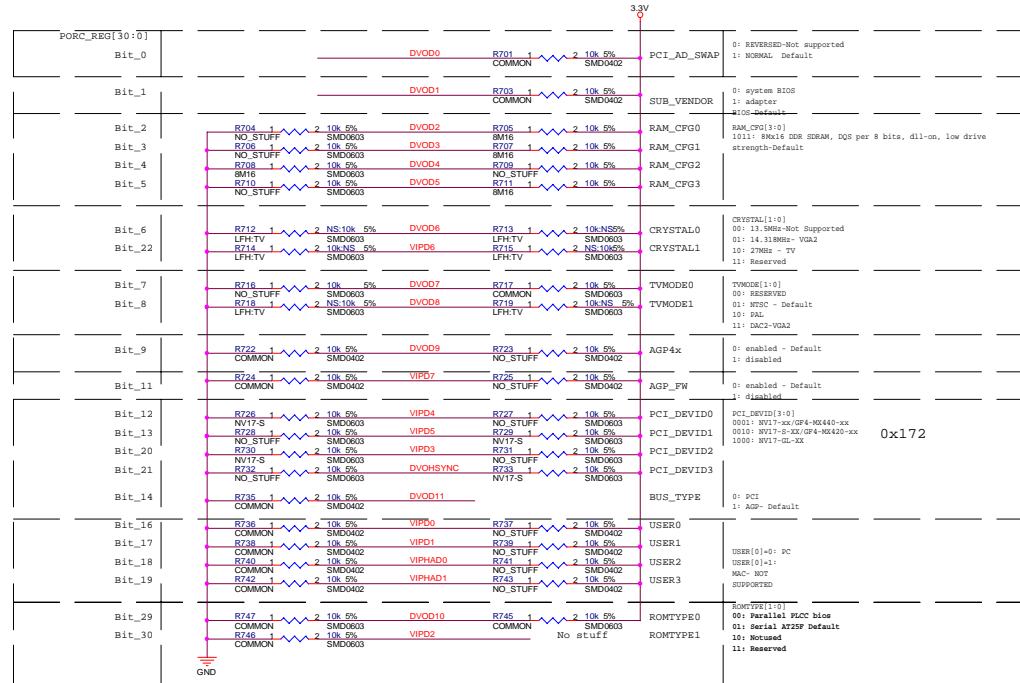




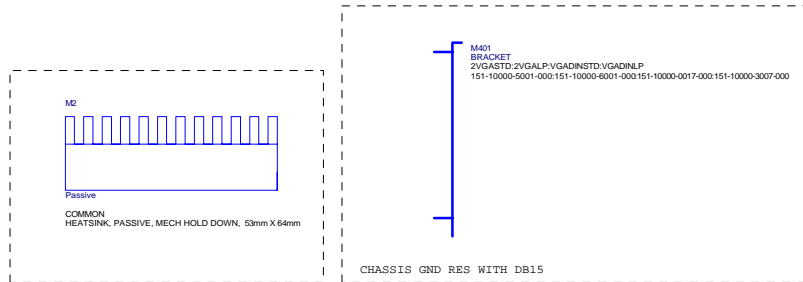
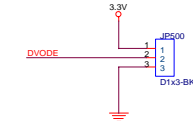


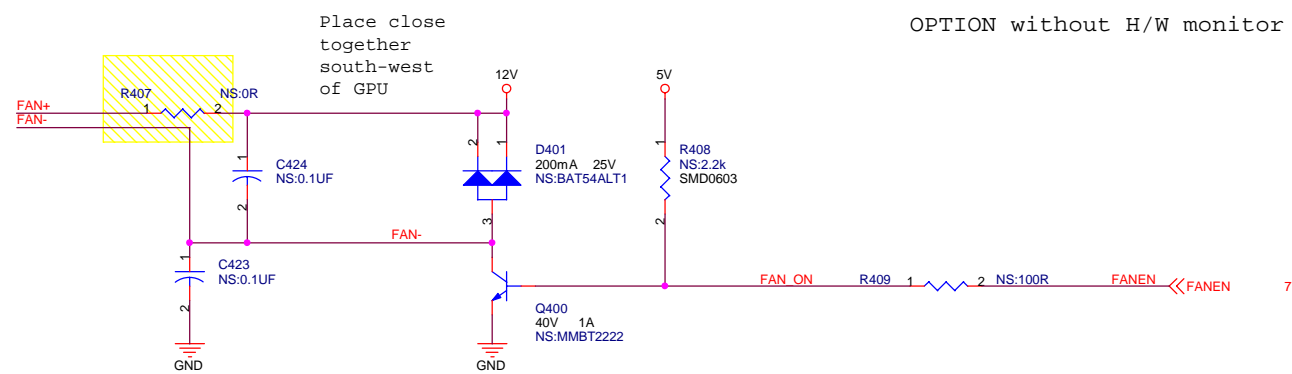
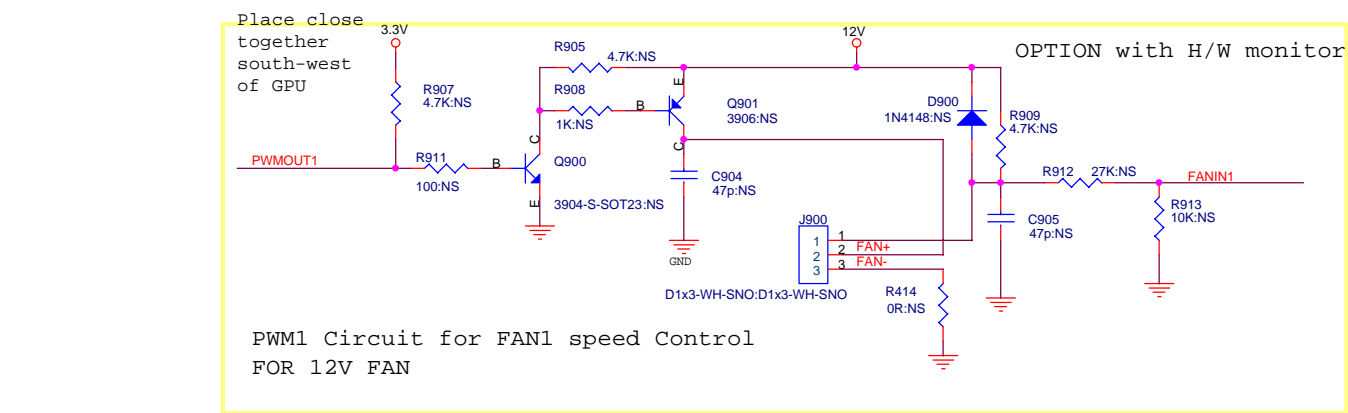
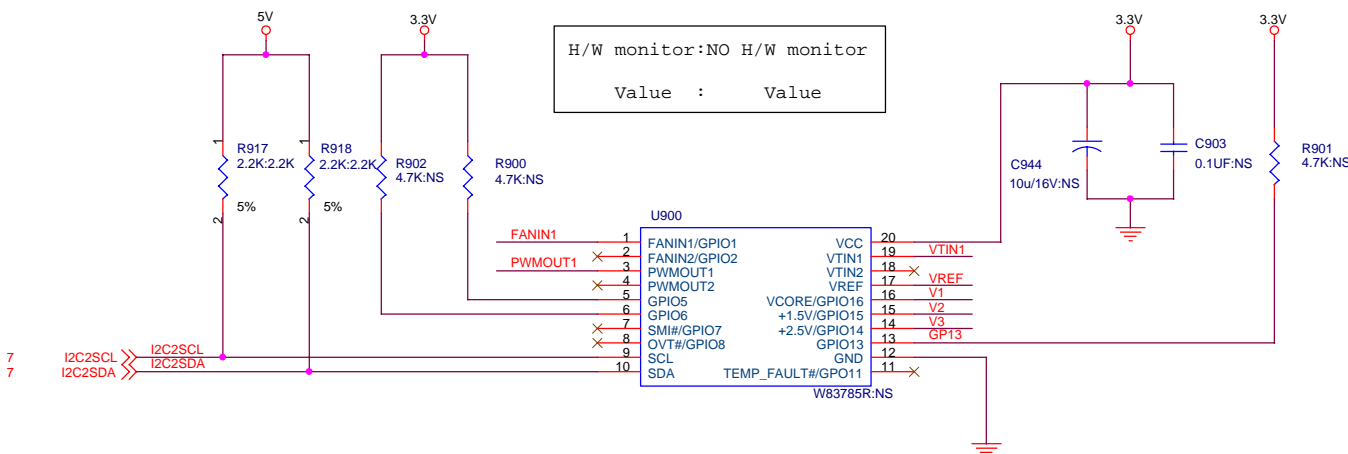




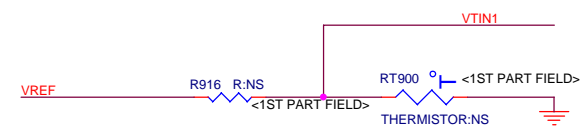
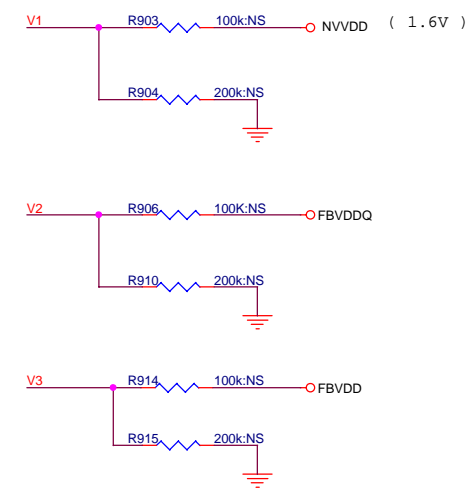


Twin BIOS





# VOLTAGE SENSING CIRCUIT



# TEMPERATURE SENSING CIRCUIT

