

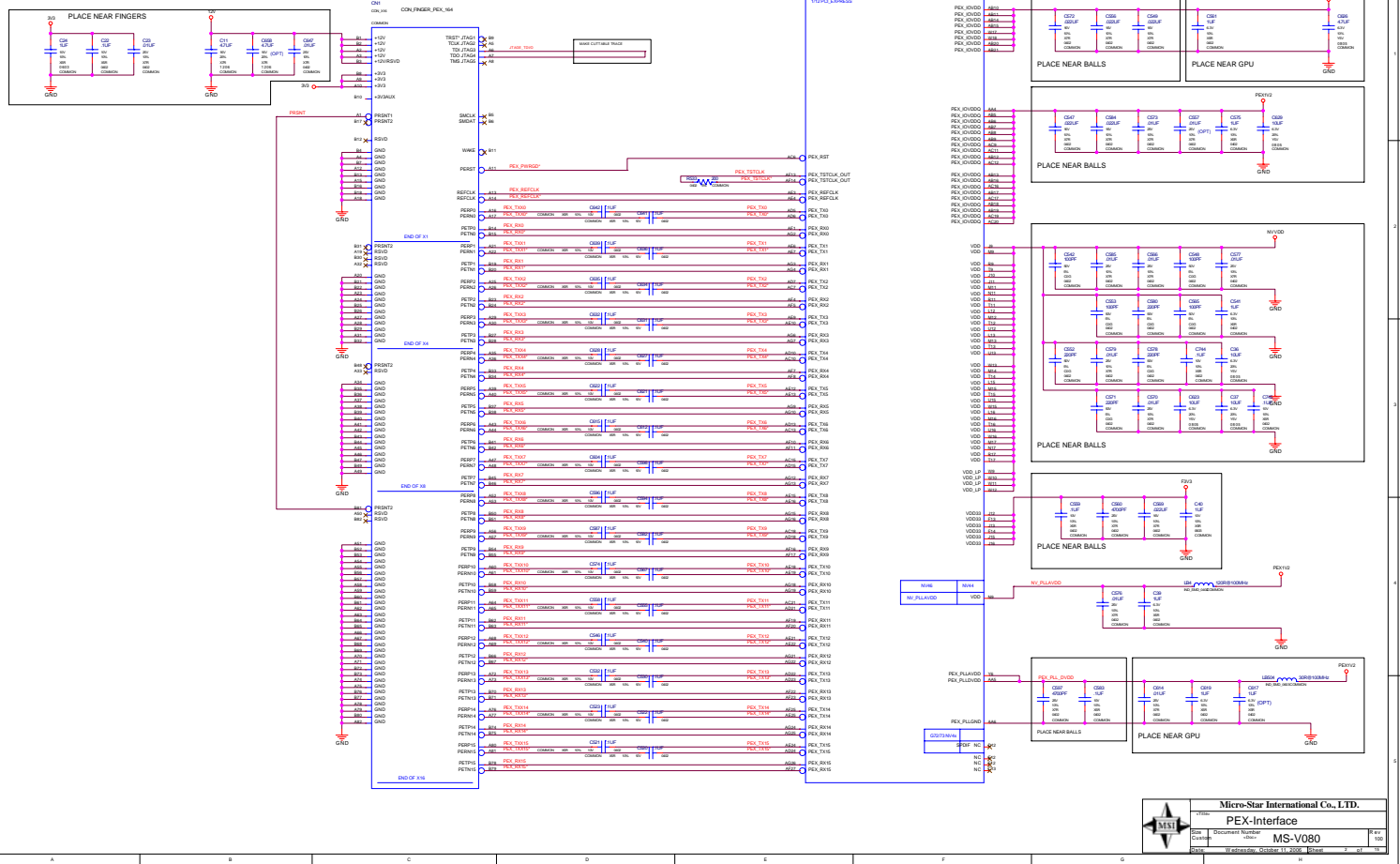
P381: G72, DDR2 MEMORY 16Mx16

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Page 13: PowerSupplyI: 5V, DDC5V, F3V3, TMDS_PLLVDD
Page 14: EXTERNAL HDMI LINK SII1930
Page 15: Micro Controller & AudioDAC

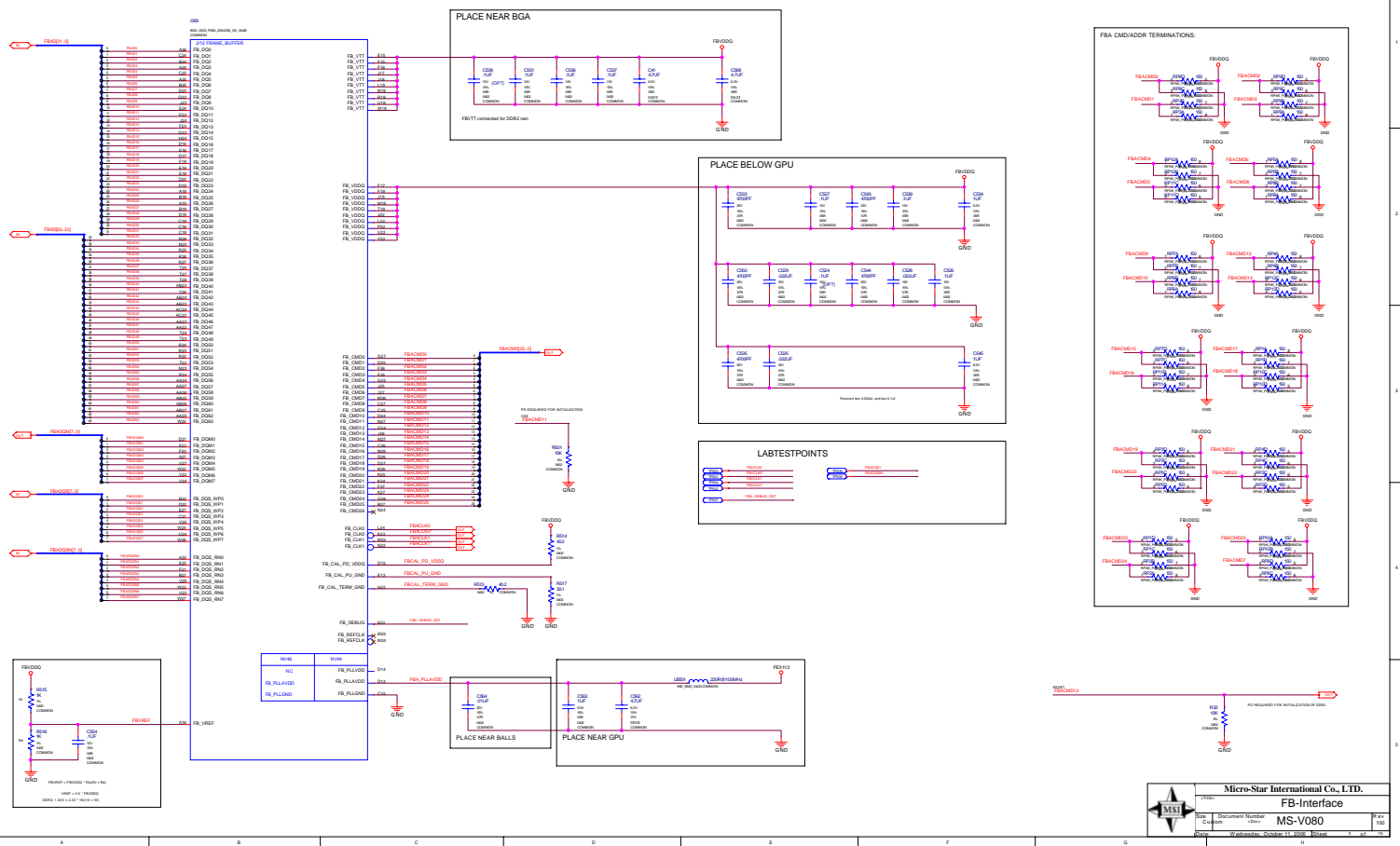
Base on P381_ A04 (V056-V3.0)modify

Page8, removed mini-din 4pin. add mini-din 7pin support HDTV
Page 13: PowerSupplyI: NVVDD, A3V3 add mlcc 10U/16V 1206 5pcs
remove L5 L6 R7 R8 R9 ,D9
Page 9: ADD 预留 R593,R594,R595,R596 FOR EMI
Page 14: ADD 预留 R655,R656,R657,R658 FOR EMI
Page 12: Remove C8 EL Cap and change Q1 MOSFET package to T0252
100
Page 13: Delete C25 100u DIP CAP
Page 13: Add 3A DIODE for reduce FBVDDQ linear REG temperature

PEX-Interface



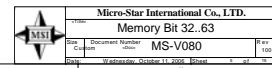
GPU: FB-Interface



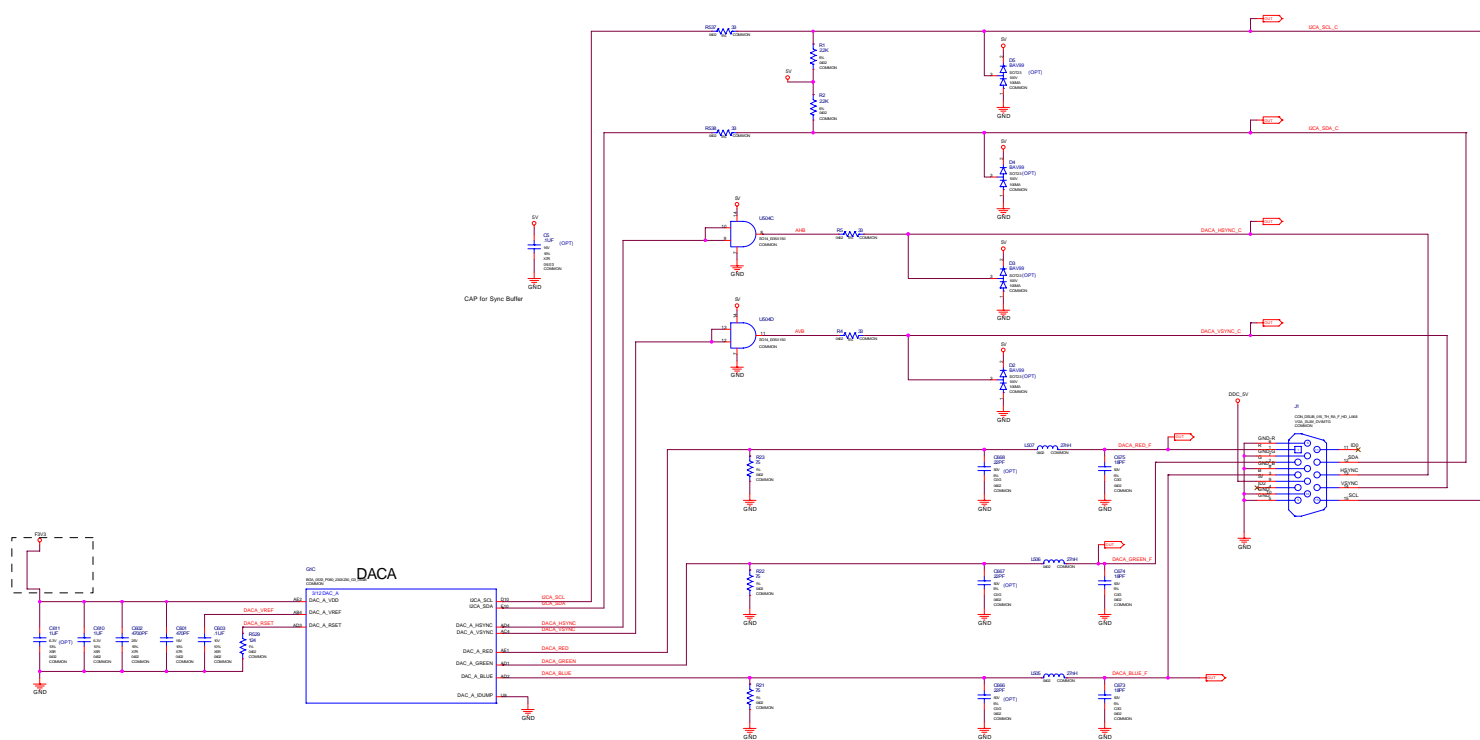
PLACE ALL DISCRETE COMPONENTS AS NEAR AS POSSIBLE TO MEMORY




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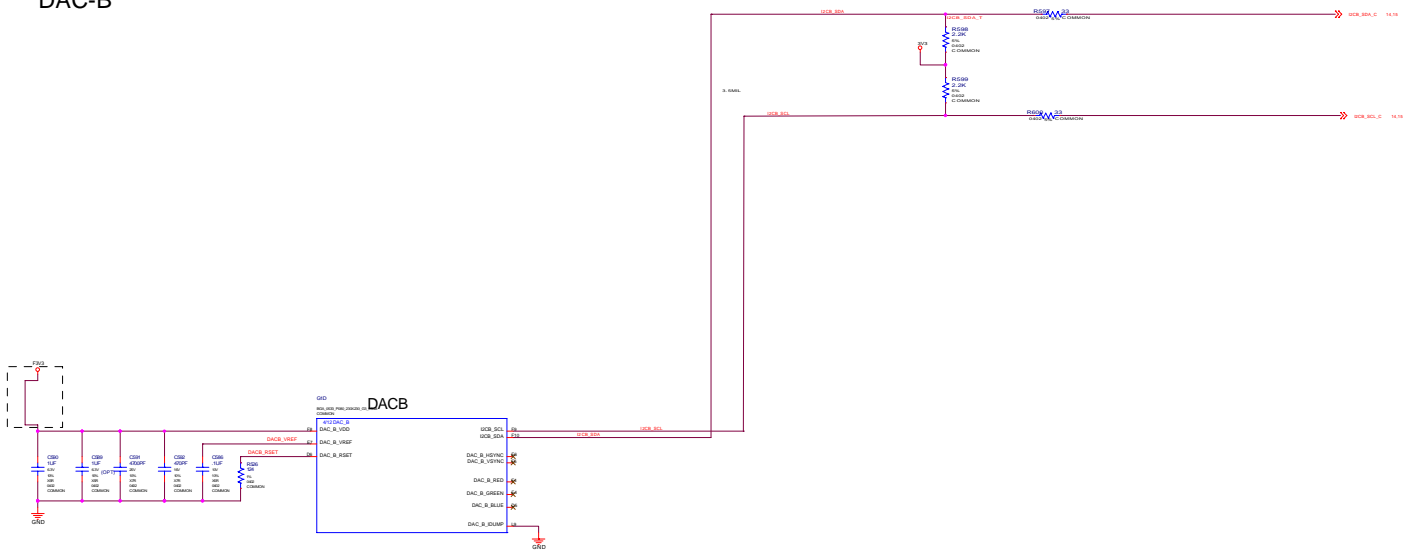


DAC-A, DB15 Connector

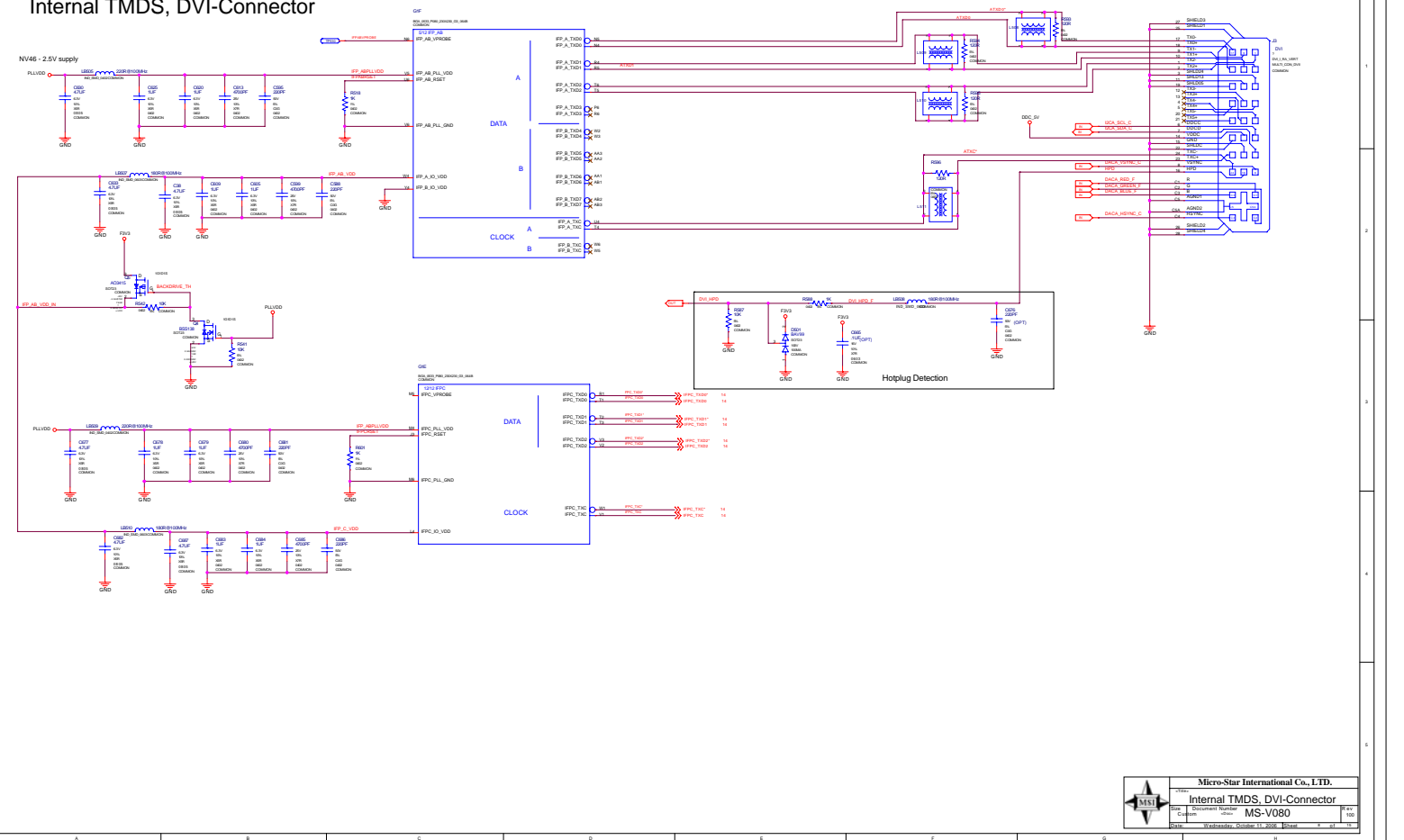


	Micro-Star International Co., LTD.	
	DAC-A, DB15 Connector	
Size Custom	Document Number MS-V080	Rev. 00

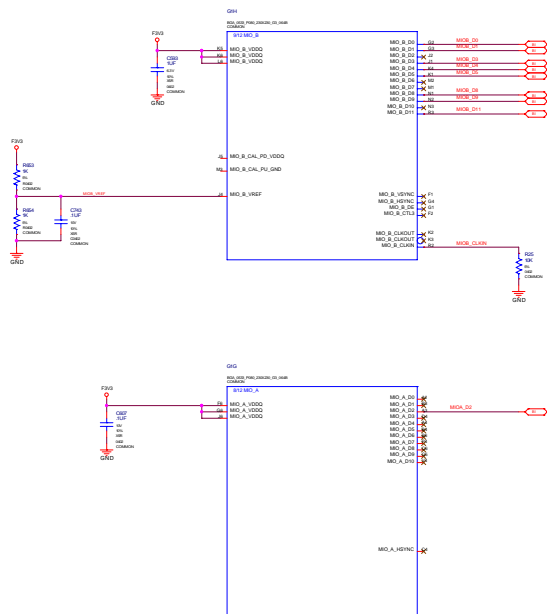
DAC-B



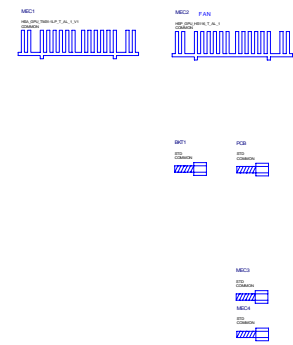
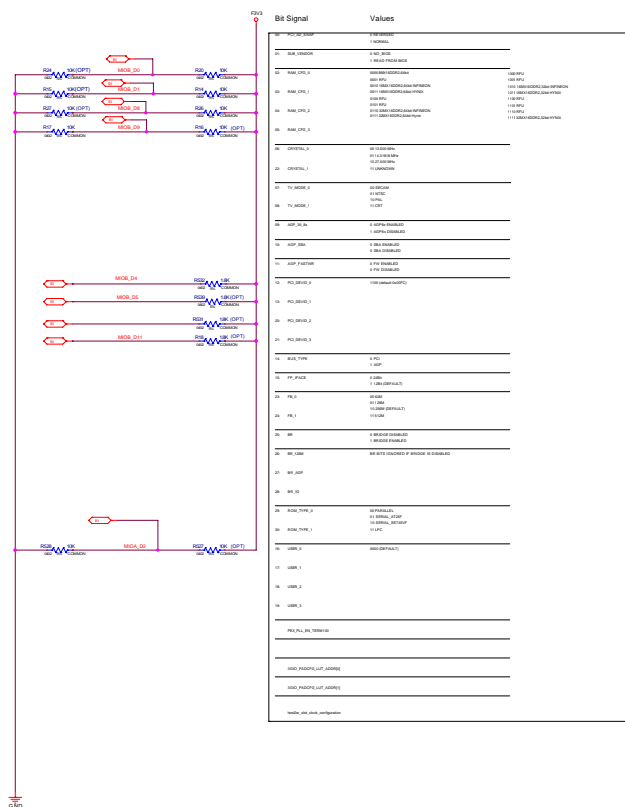
Internal TMD5, DVI-Connector



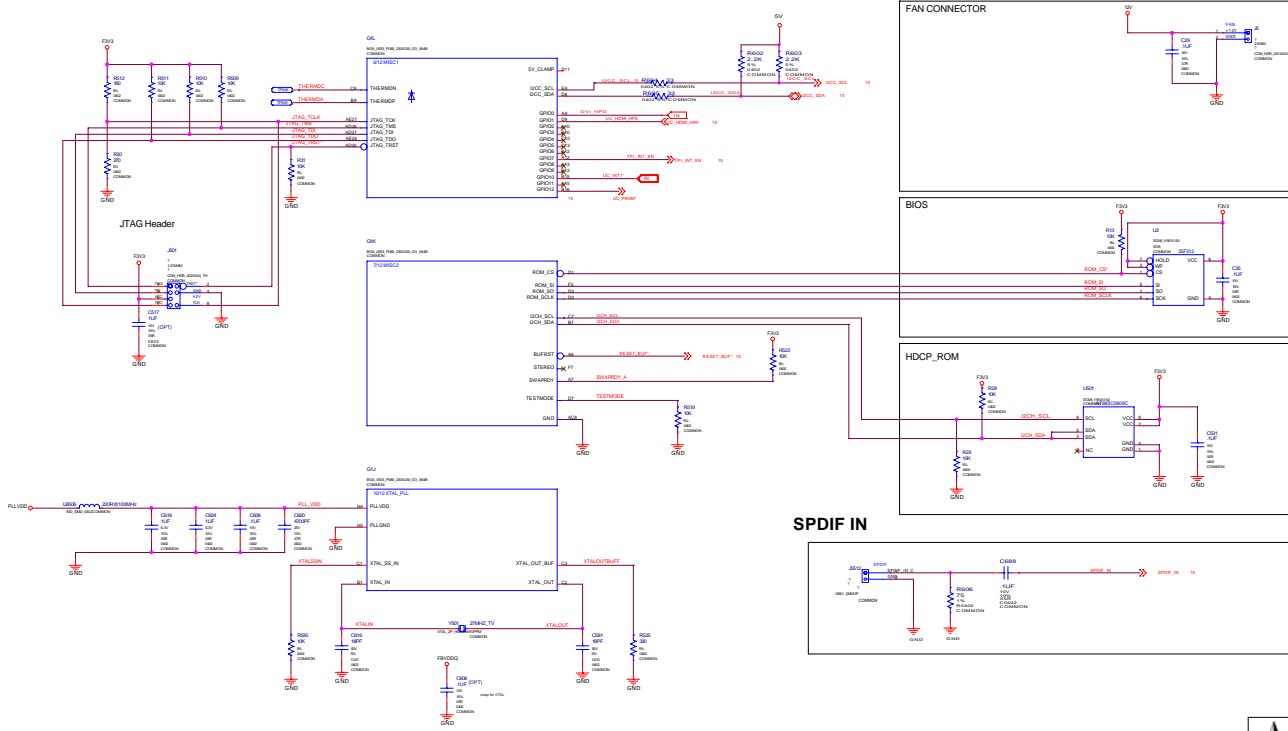
MIOA, MIOB Interface



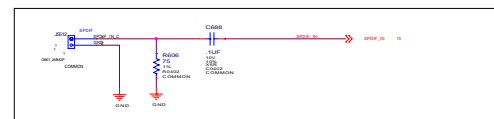
STRAPS, Mechanical Parts



XTAL, GPIO, BIOS, FAN, JTAG, THERMAL,SPIDF

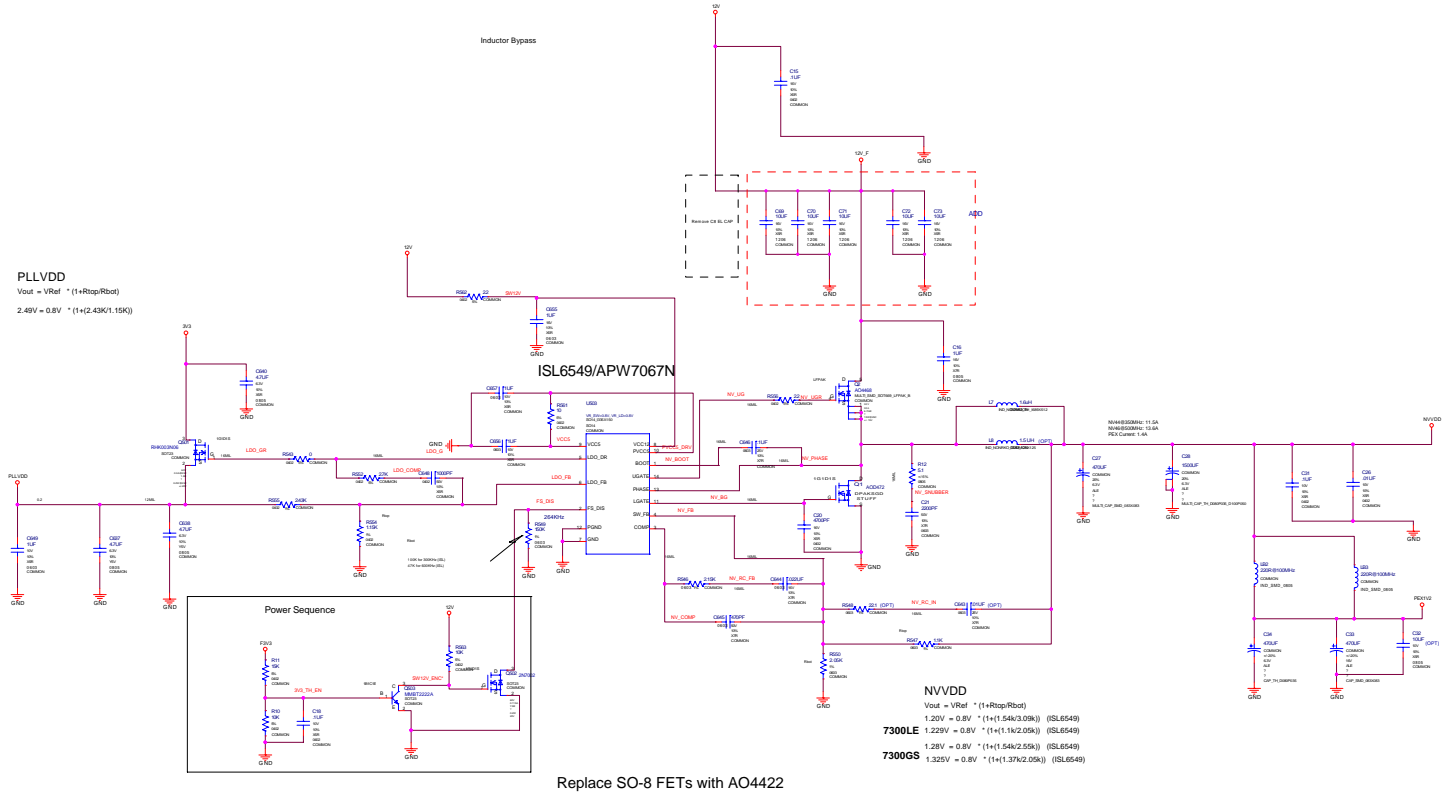


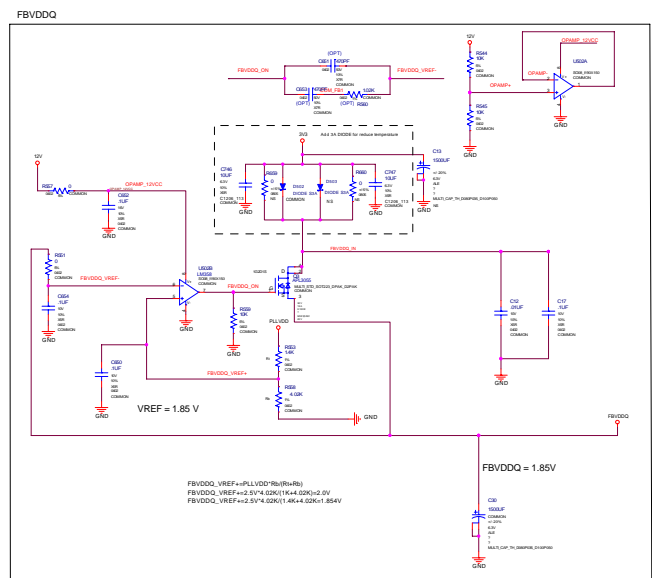
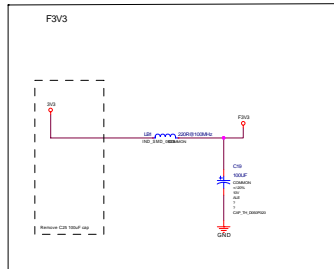
SPIDF IN



Micro-Star International Co., LTD.	
XTAL, GPIO, BIOS, FAN	
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Rev.	1.0
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PowerSupply: NVVDD, PLLVDD



[illegible]

$$V_{out} = V_{ref}(1 + R_{bot}/R_{top})$$
$$V_{out} = 1.25(1 + 1.1K/2.49K) = 1.8V$$

