

MS-7506

uATX(244mm X 205mm)

CPU:

AMD AM2/AM2+ Socket940 SUPPORT TO 89W

System Chipset:

North Bridge --- MCP68PVNT/MCP68S

South Bridge --- NA

OnBoard Chipset:

Clock Gen:NA

Azalia Codec:ALC888

LAN(PHY):Realtek RT8211BL

SIO:Fintek F71882

Flash ROM:8MB SPI (RESERVE FUTURE SUPPORT AM2+)

IEEE 1394:JMICRON JMB381

Main Memory:

DDRII (400/533/667/800MHz) * 2 (Dual Channel)

Expansion Slots:

PCI Express (X16) Slot * 1

PCI Express (X1) Slot * 1

PCI Slot * 2

PWM:

Controller:ISL6566CRZ (3-Phase)

ACPI:

UPI SOLUTION

Other:

IDE(DMA133) *1

FDD *1

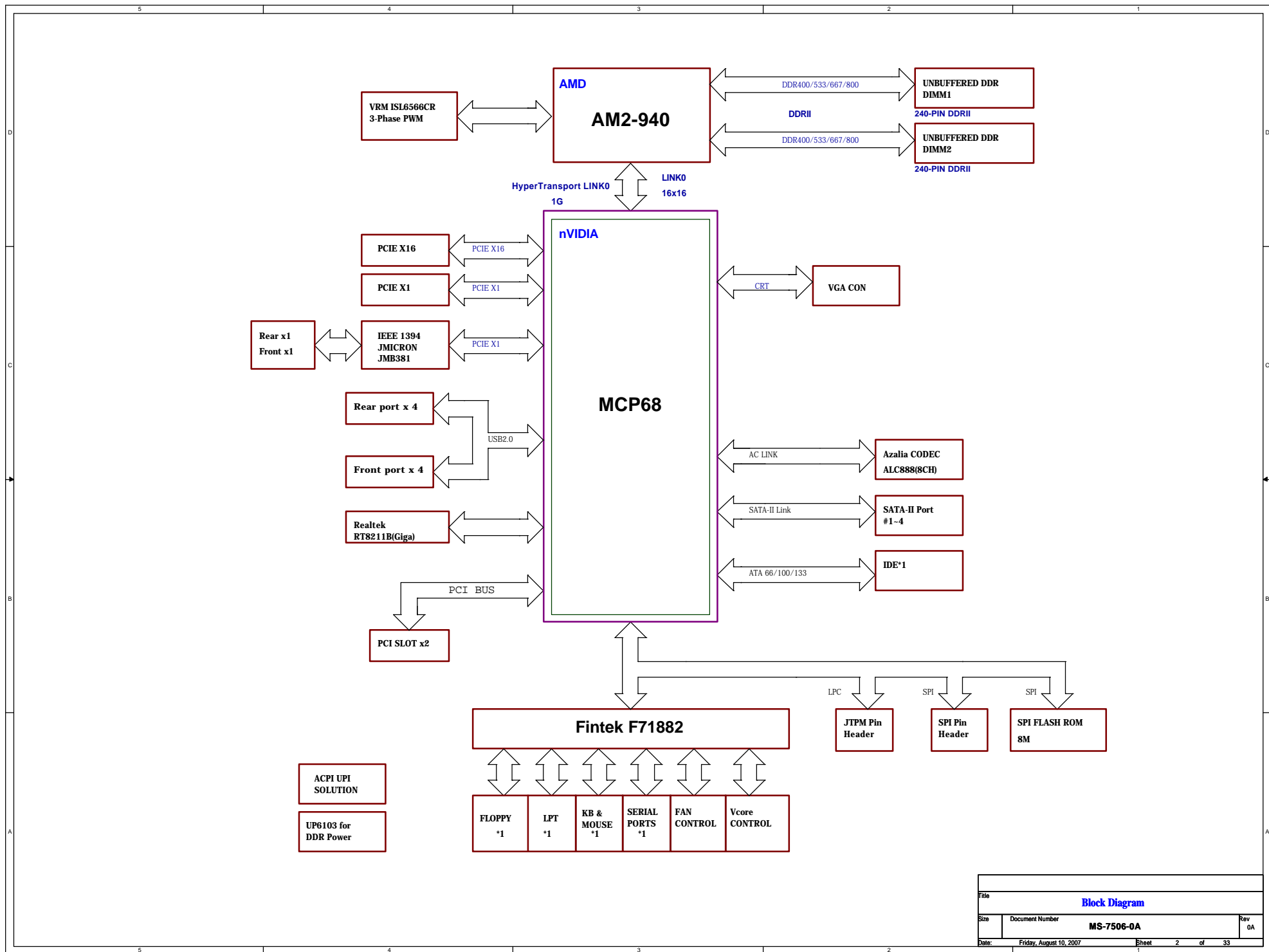
SATA(SATA2-300MB/S) *4

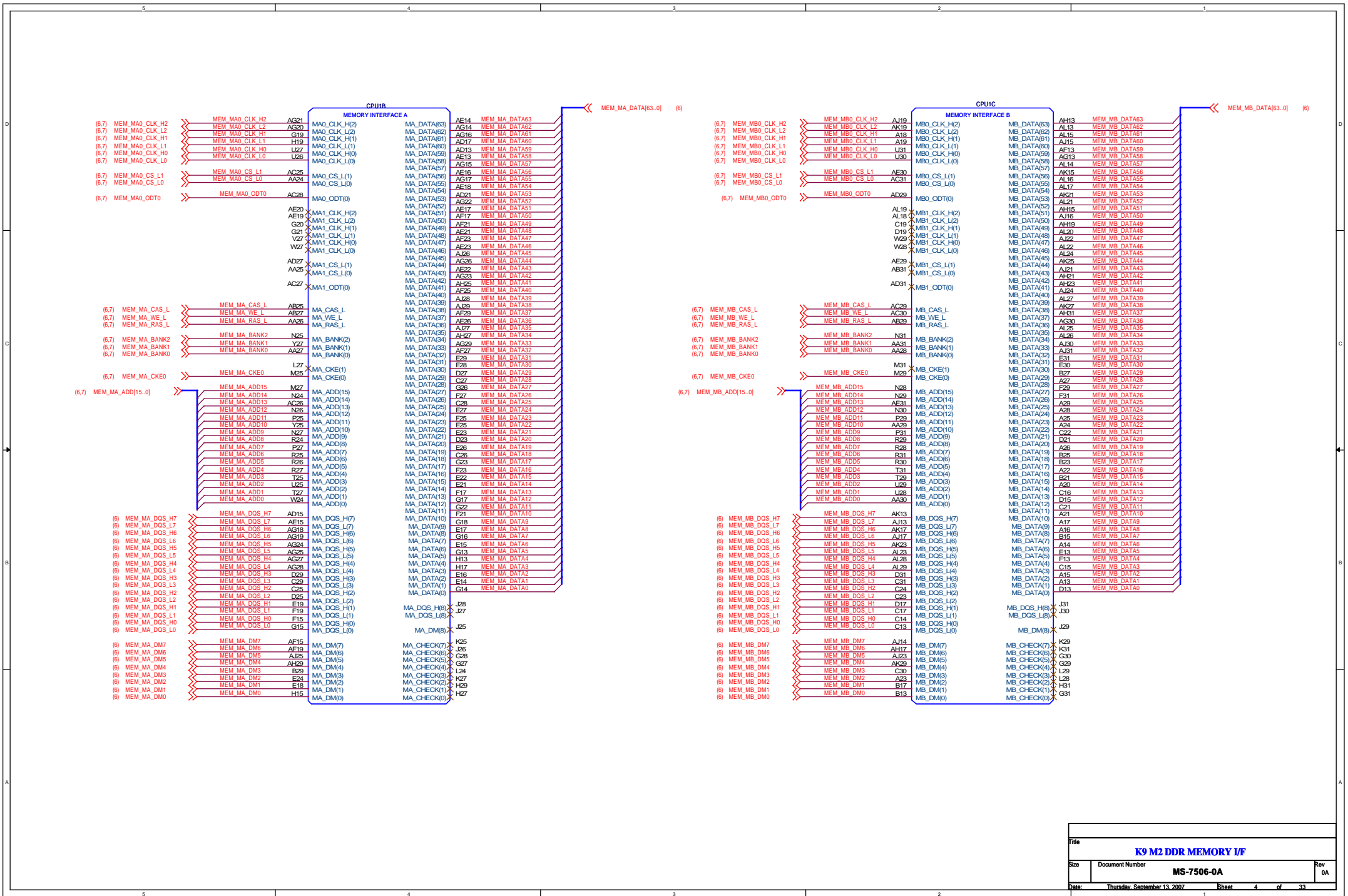
USB2.0 *8(Rear*4 Front*4)

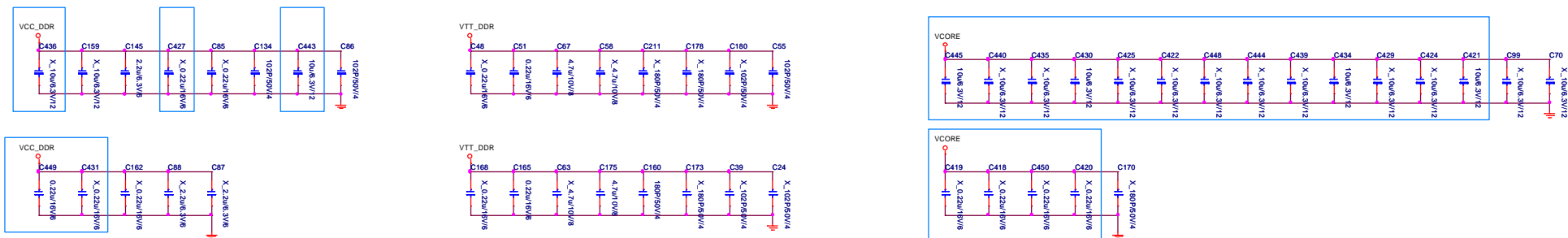
COM PORT *1

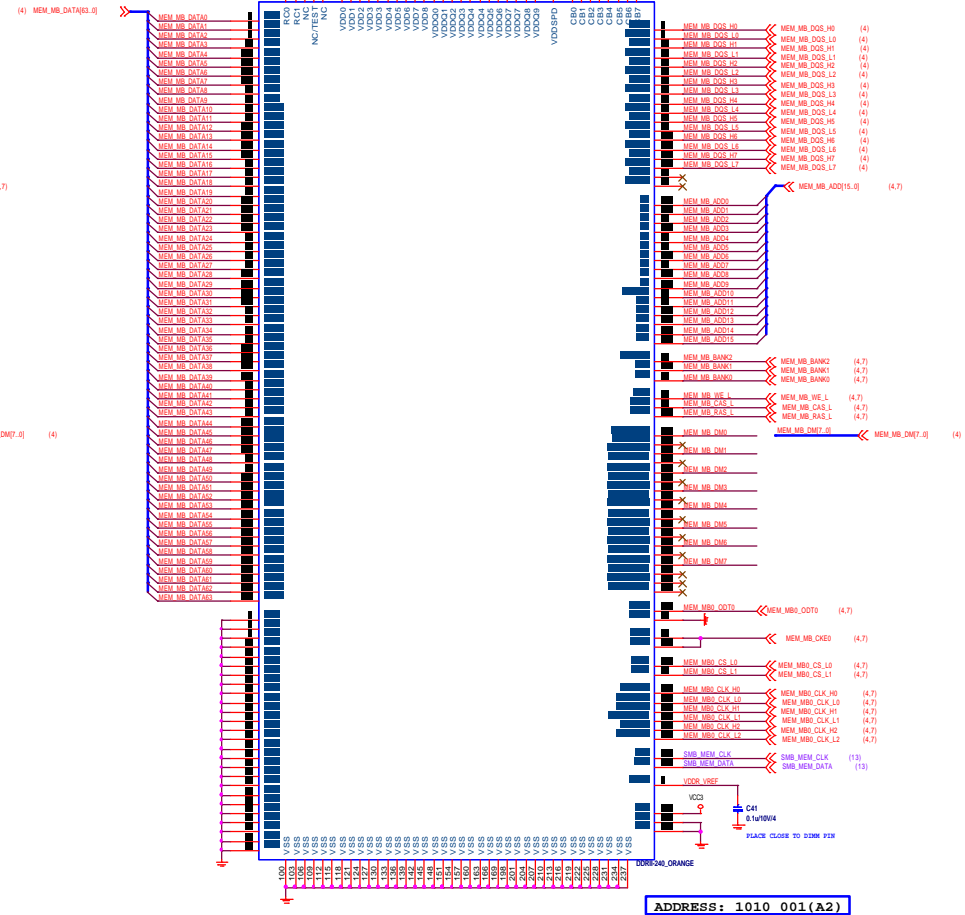
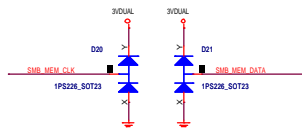
LPT PORT *1

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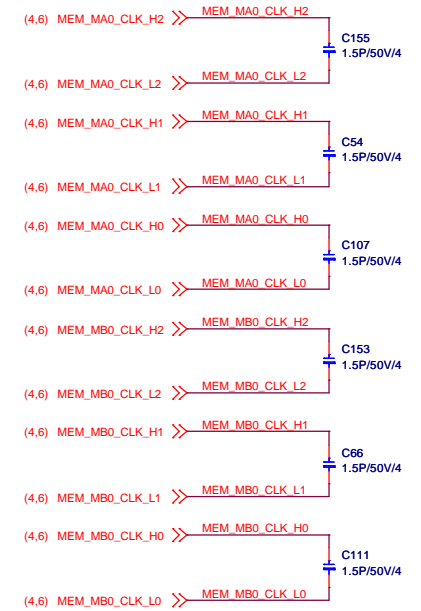
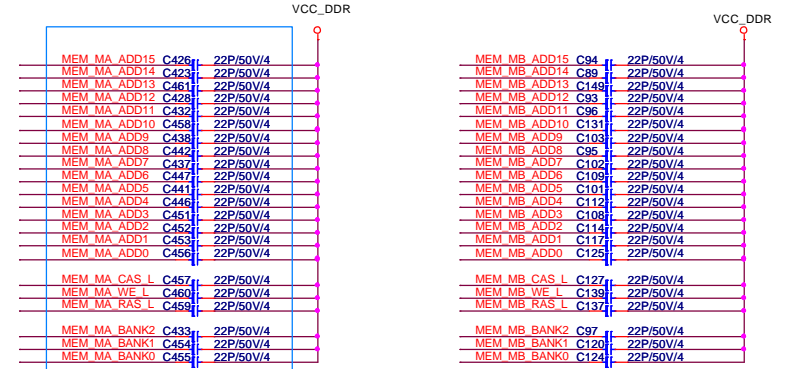
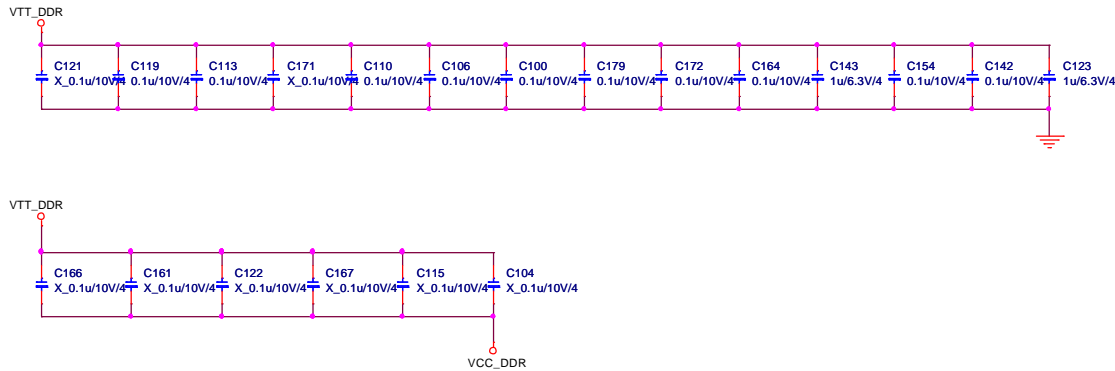
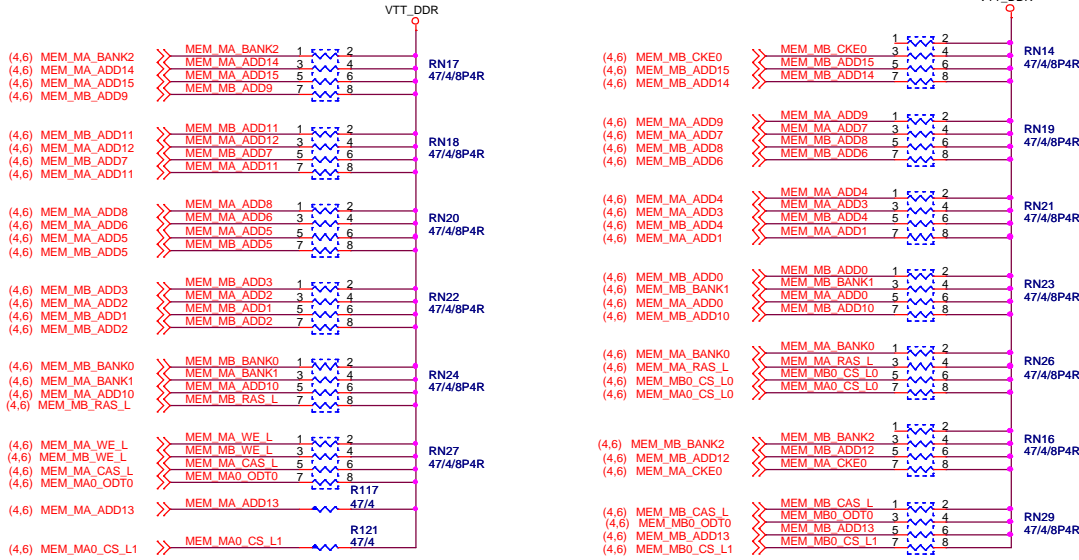


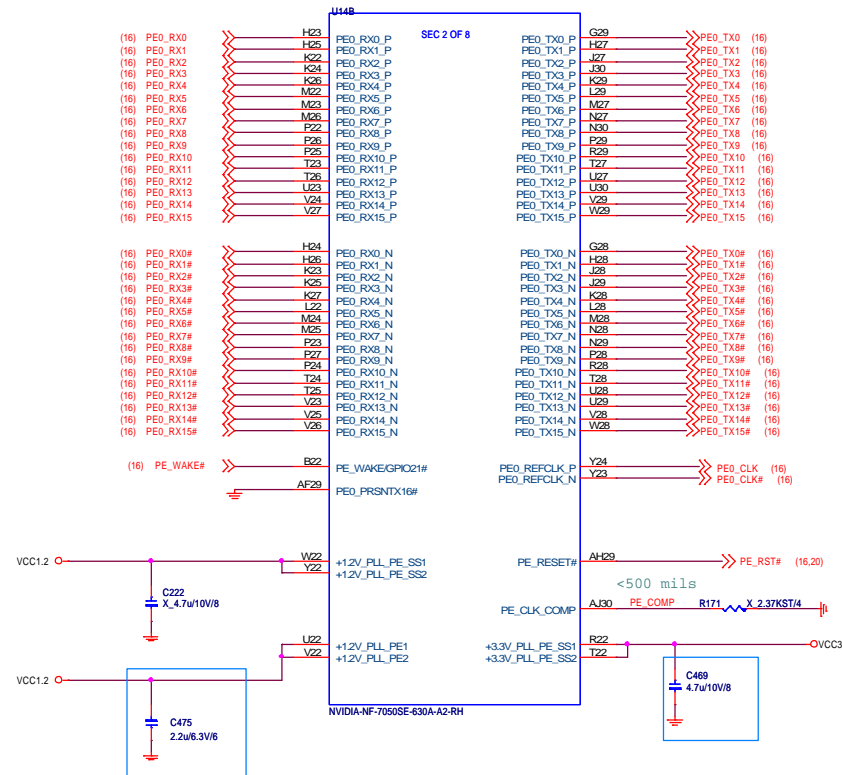


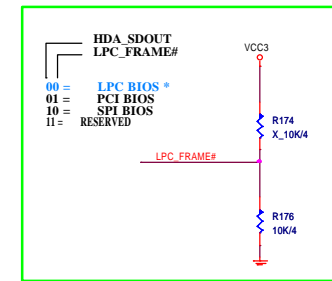


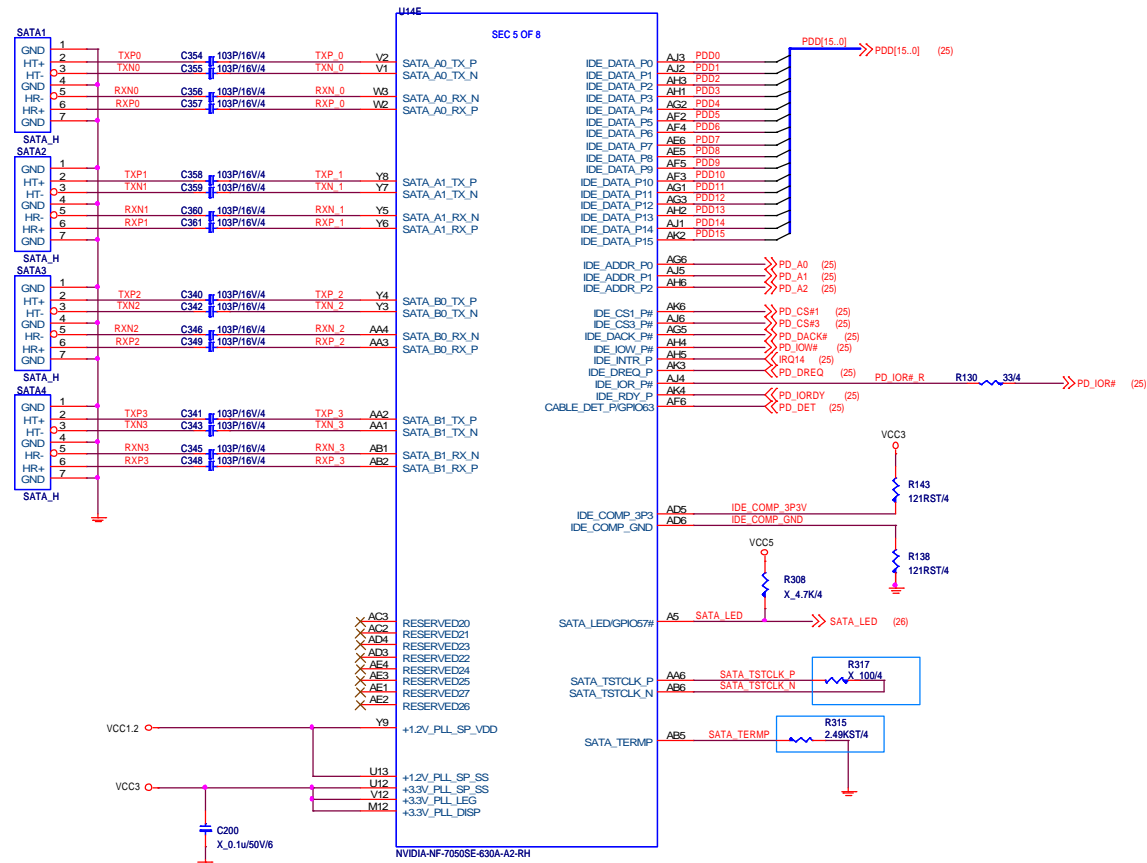


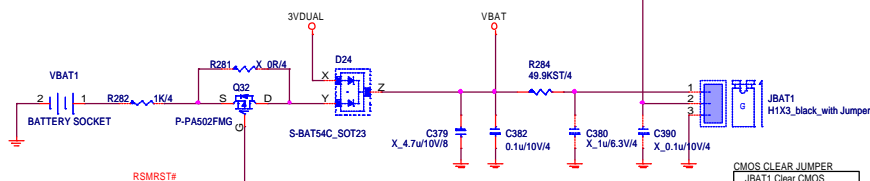
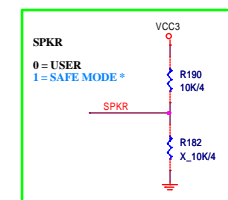
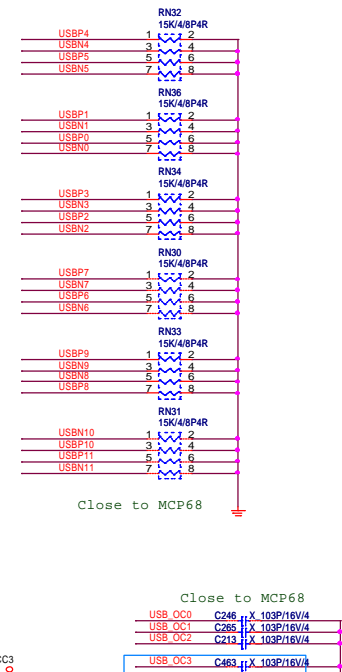
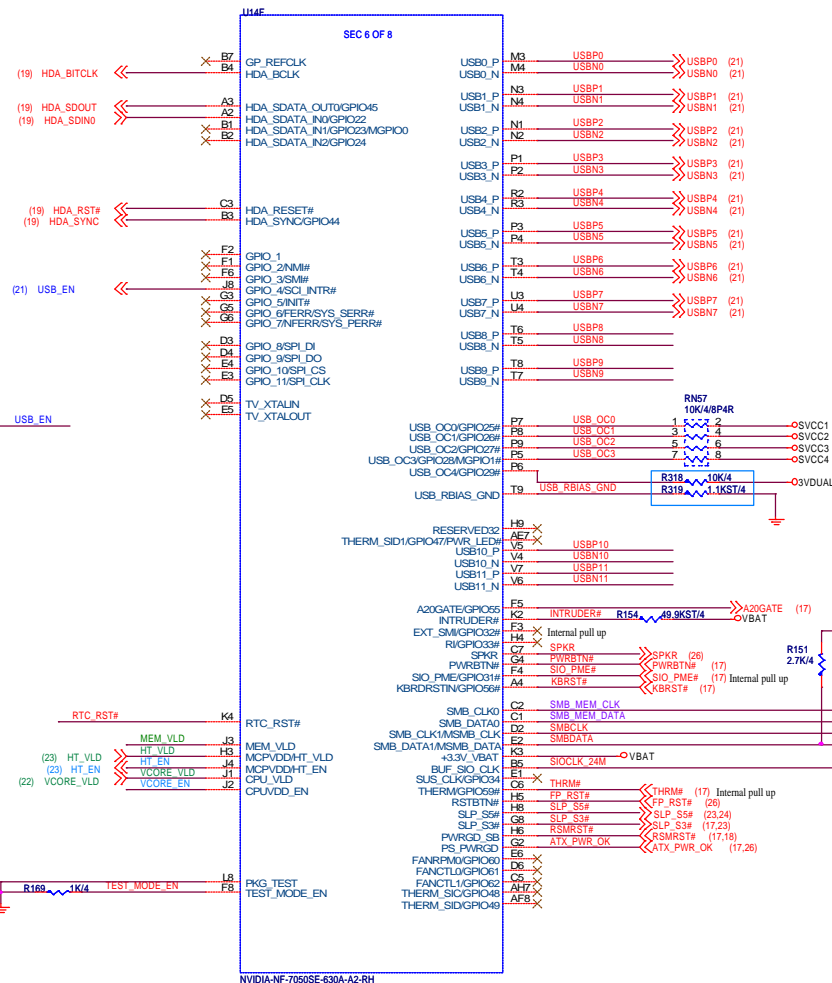
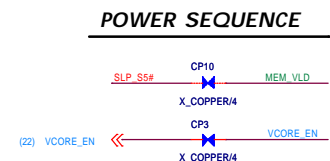
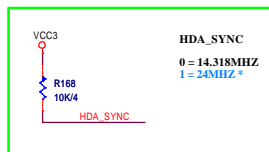
Place Between Processor and DIMMs



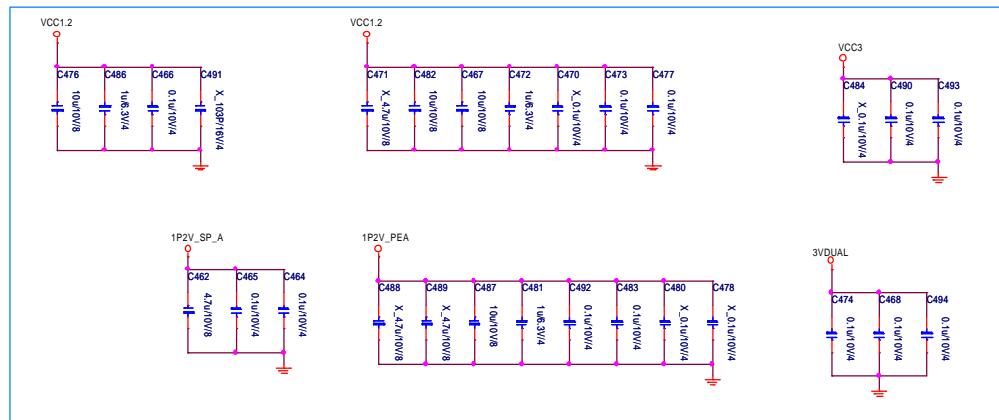
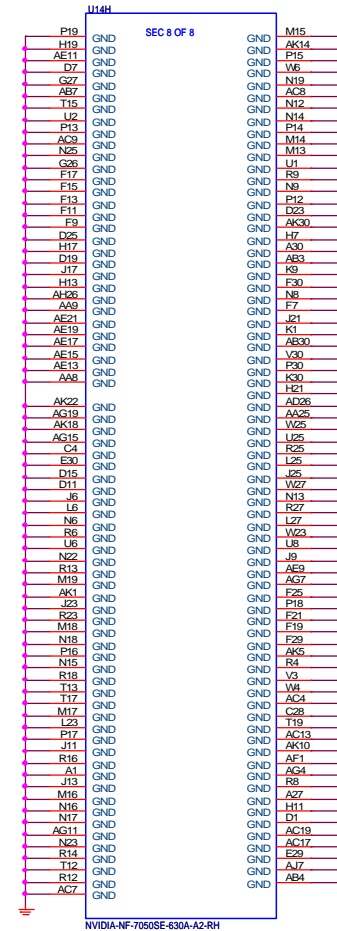
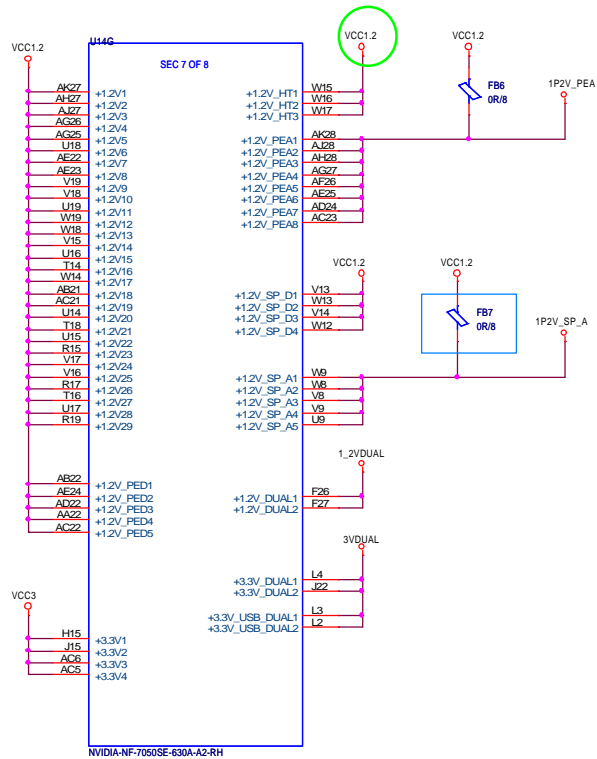








JBAT1 Clear CMOS	
1 - 2	Normal
2 - 3	Clear CMOS



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C

4

2

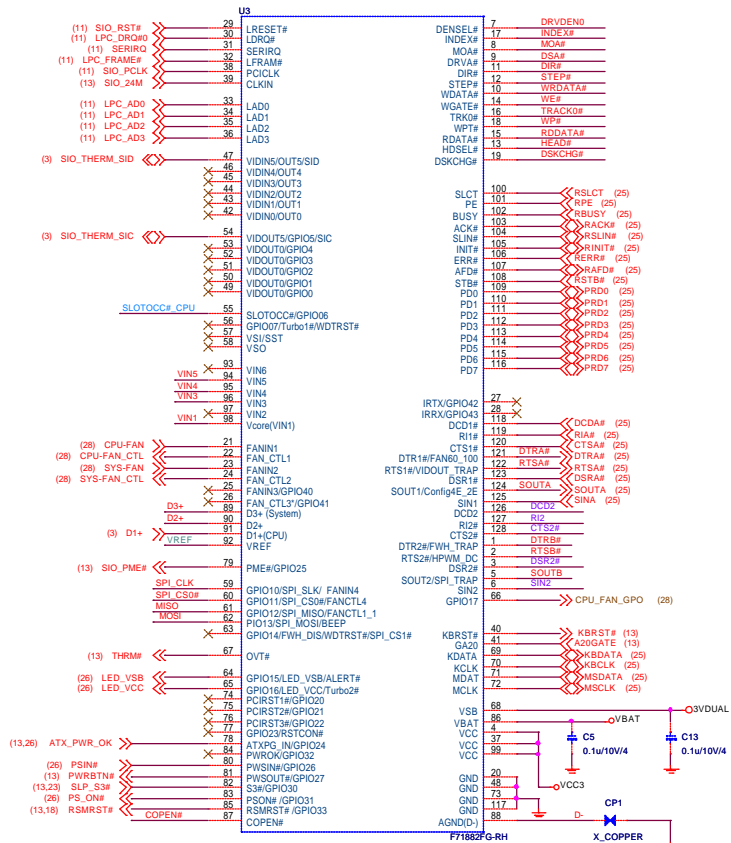


1

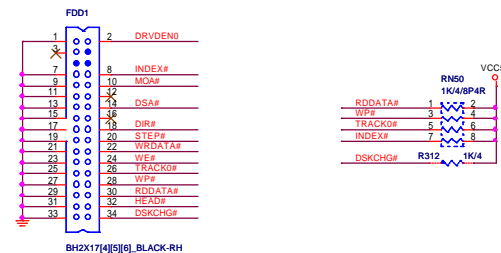
PG1 BUILD UP / DOWN RESISTORS

4

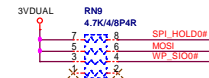
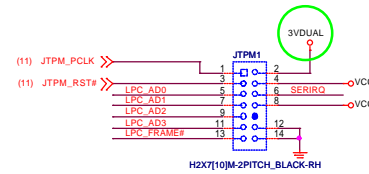
LPC SUPER I/O F71882



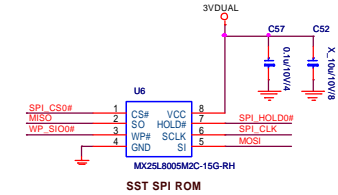
FLOPPY CONN BOLCK



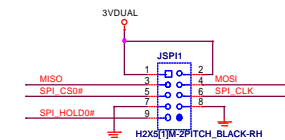
TPM PIN HEADER



SPI 4M FLASH ROM



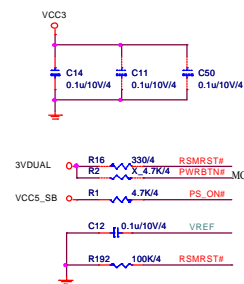
SPI DEBUG PORT



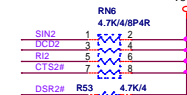
Part Number : N31-2051451-H06

Place close to SPI ROM

Strapping



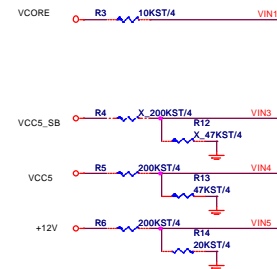
Non used COM2 must pull high



	Don't STUFF	STUFF
RTSB#	PWM FAN	LINEAR FAN
RTSA#	PIN49-54=VID_OUT PIN42-47=VIDIN	PIN49-54=GPI0 PIN42-47=VIDIN/OUT
SOUTA	4E	2E
SOUTB/DTRB#	SPI_DISABLE	SPI_ENABLE
DTRA#	FAN START DUTY 60%	FAN START DUTY 100%

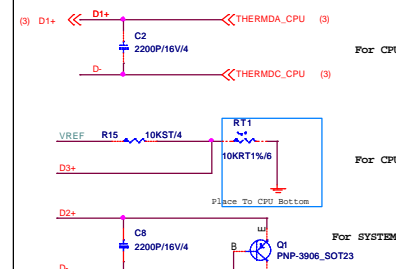
VOLTAGE SENSING(H/W Monitor).

The best voltage input level is about 1V.

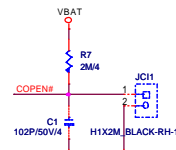


Temperature Sensing

DIODE SENSING CIRCUIT

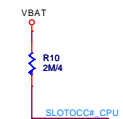


CASE OPEN CIRCUIT



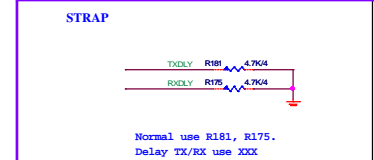
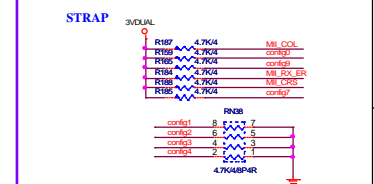
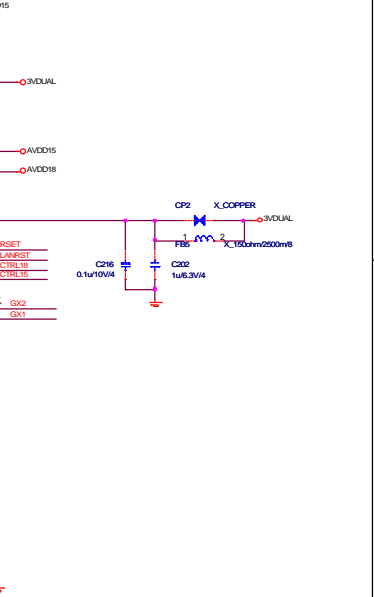
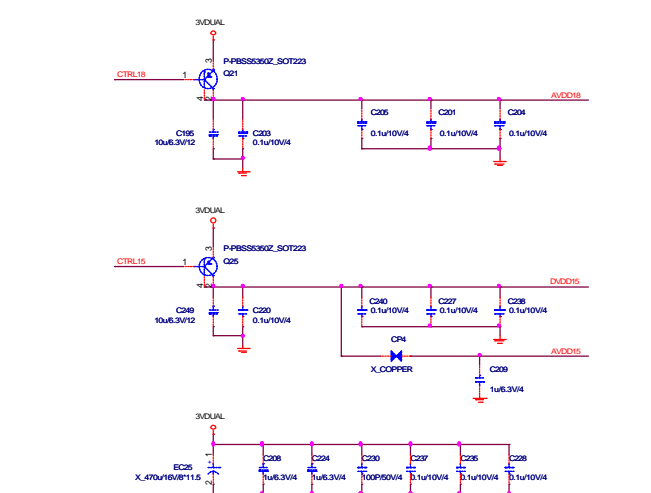
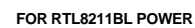
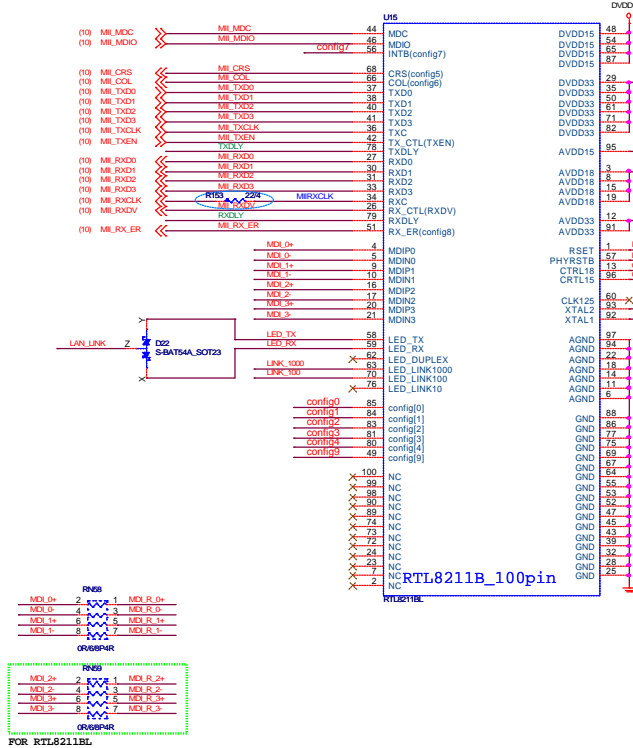
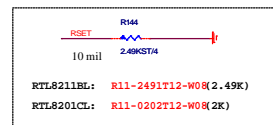
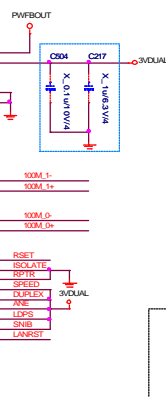
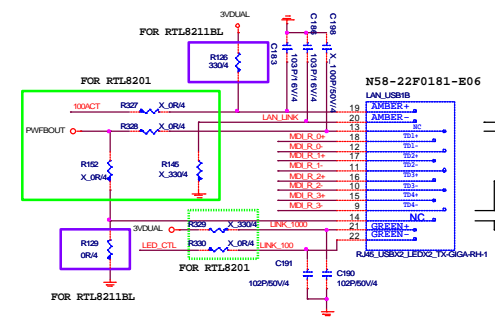
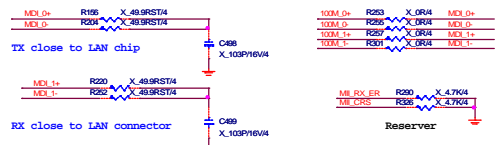
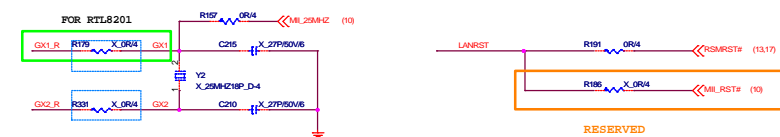
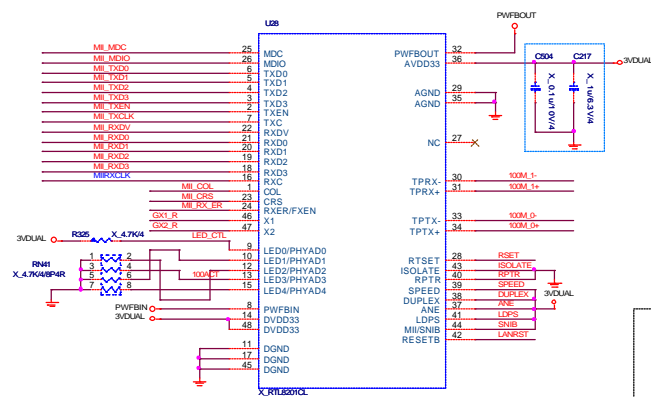
CPU VID reset









SLOT_OCC#

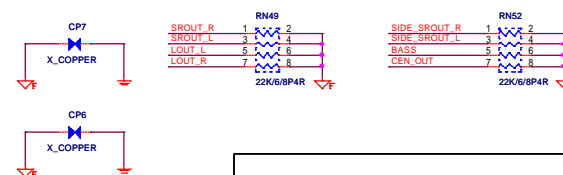
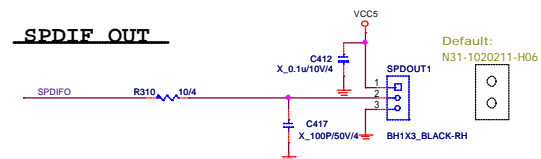
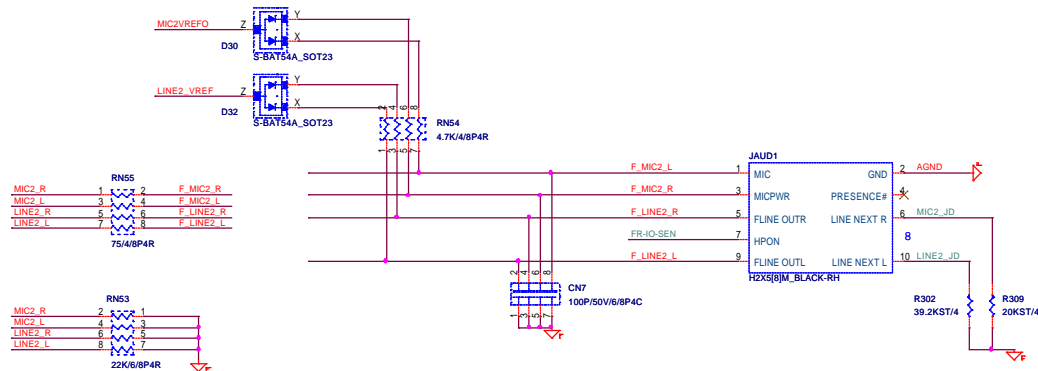
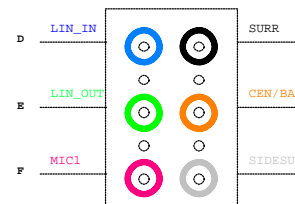
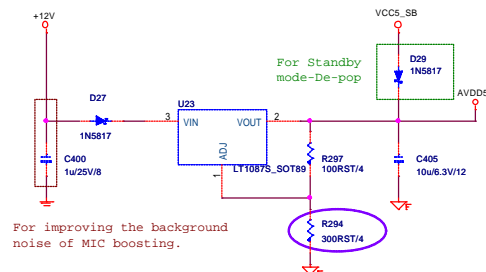
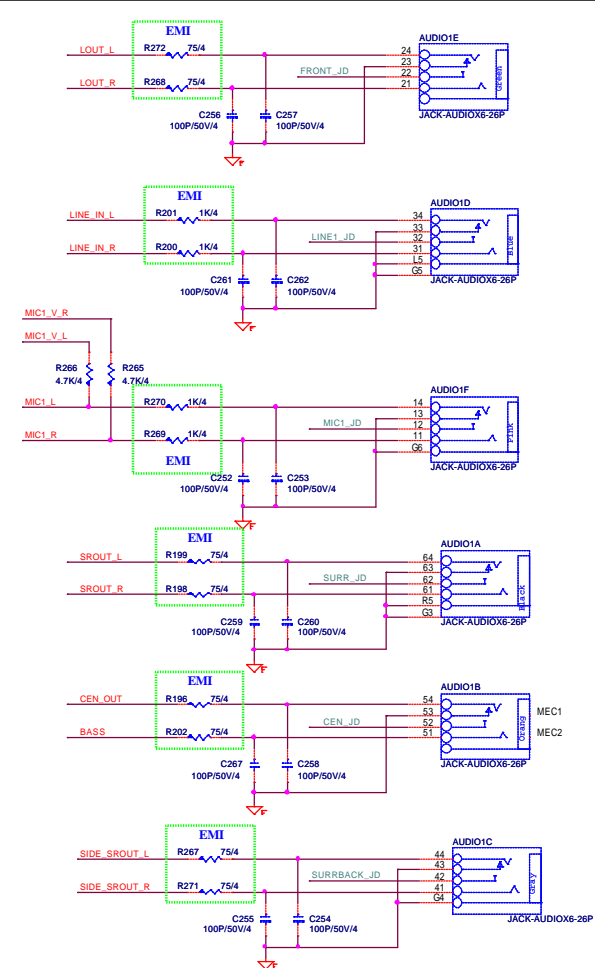


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LPC-Super I/O F71882FG			
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RTL8201CL & RTL8211B COLAY

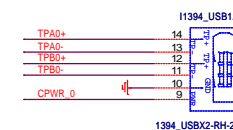
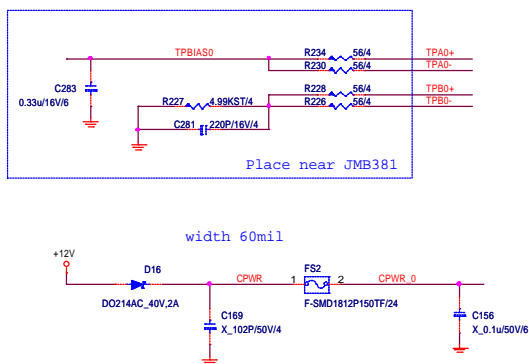
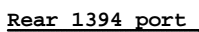
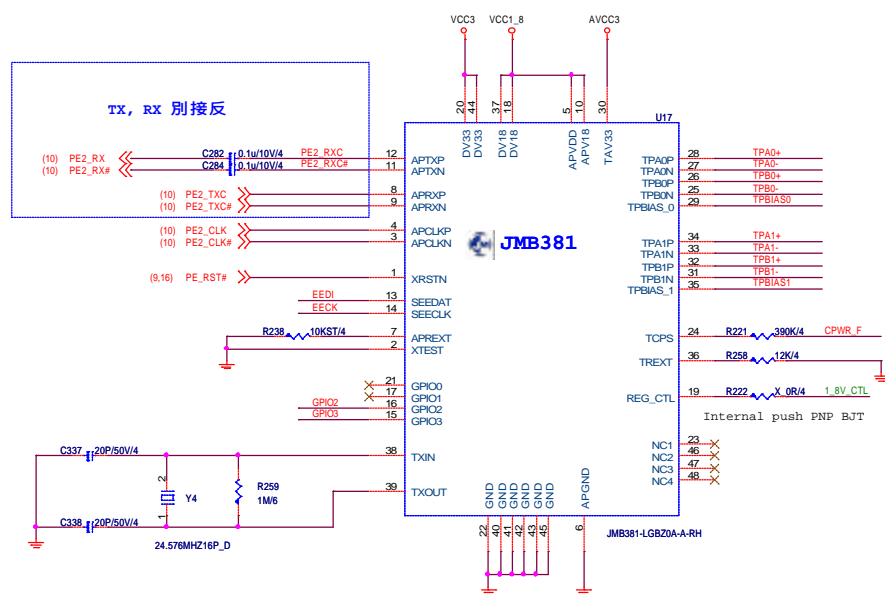


Giga-Lan		10/100-Lan	
N58-22P0181-842 N58-22P0181-E06		M58-22P0201-642 M58-22P0181-842 N58-22P0281-F02	
Link	Yellow	Link	Yellow
Active	Blinking	Active	Blinking
100	Orange	100	Green
10	None	10	None
19		19	
20		20	
21		21	
22		22	

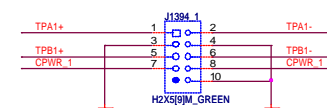
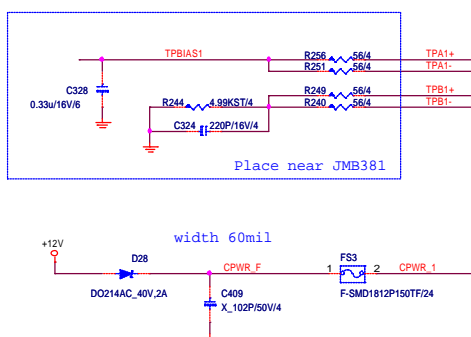


Title			
Azalia-ALC888			
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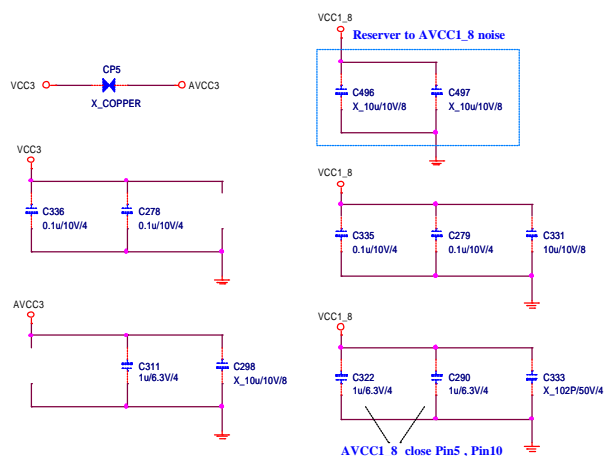
1394 CONTROLLER



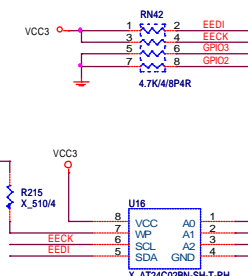
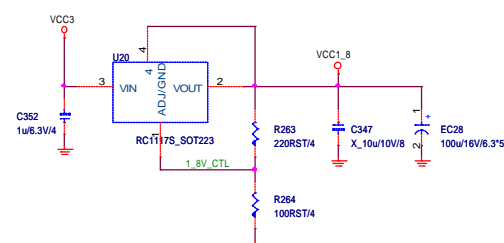
Front 1394 pin header



For Intel 1394 pinheader

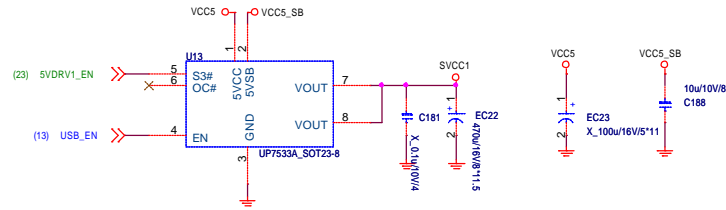


A1117 CO-LAY SOT223 (TO_261) PNP BJT

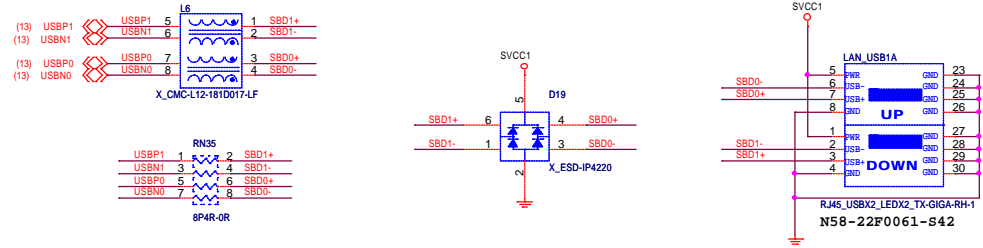


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1394 Controller - JMB381			
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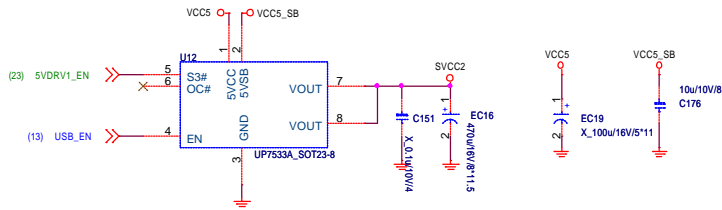
POWER CIRCUIT FOR USB PORT 0,1



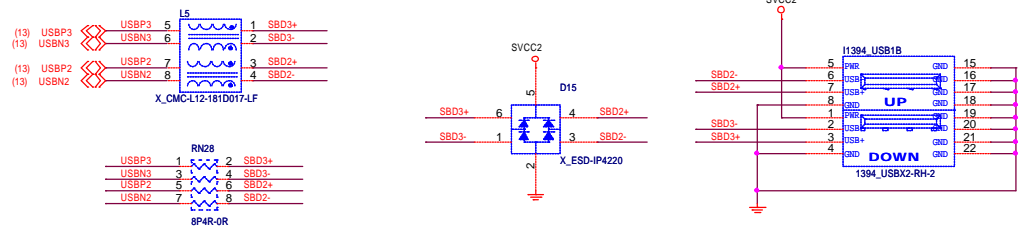
REAR PANEL USB CONNECTOR FOR USB PORT 0,1



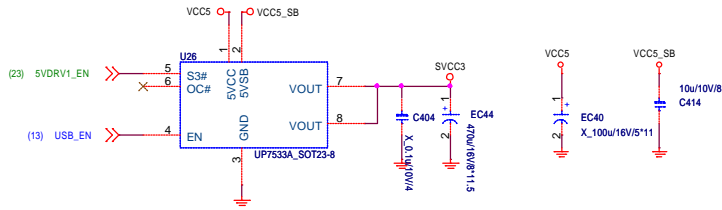
POWER CIRCUIT FOR USB PORT 2,3



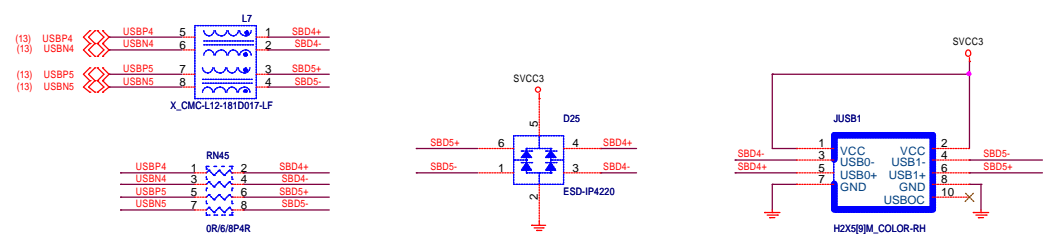
REAR PANEL USB CONNECTOR FOR USB PORT 2,3



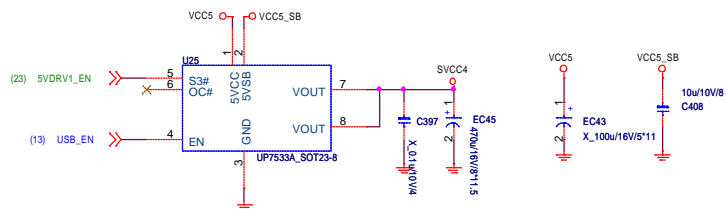
POWER CIRCUIT FOR USB PORT 4,5



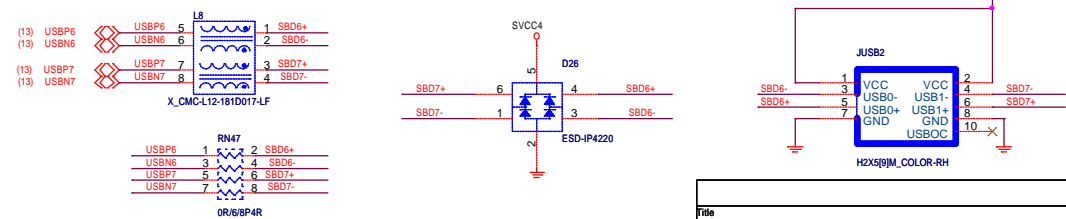
FRONT PANEL USB CONNECTOR FOR USB PORT 4,5



POWER CIRCUIT FOR USB PORT 6,7

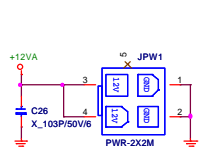
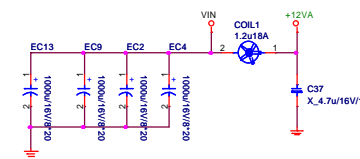
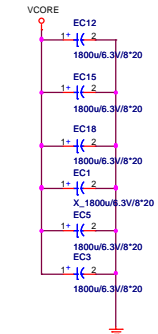
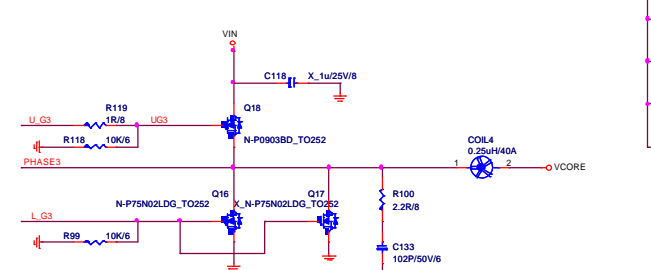
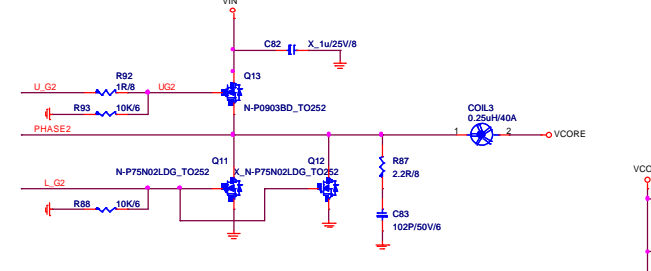
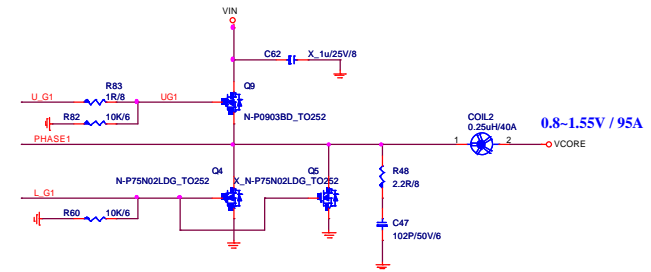
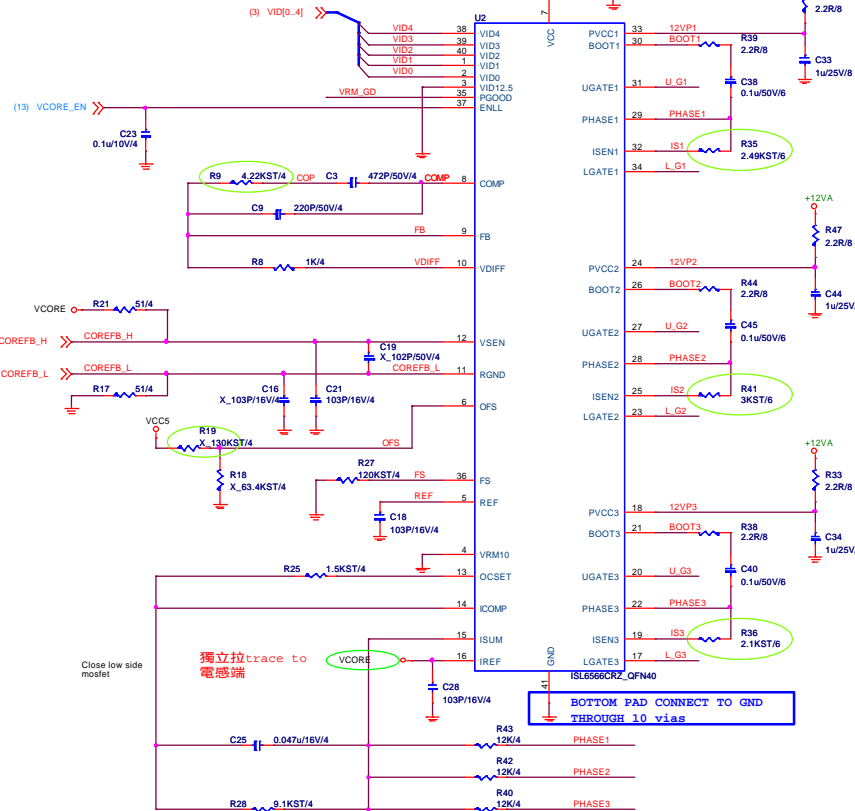
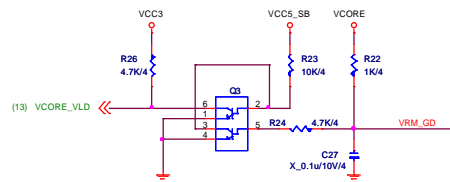


FRONT PANEL USB CONNECTOR FOR USB PORT 6,7

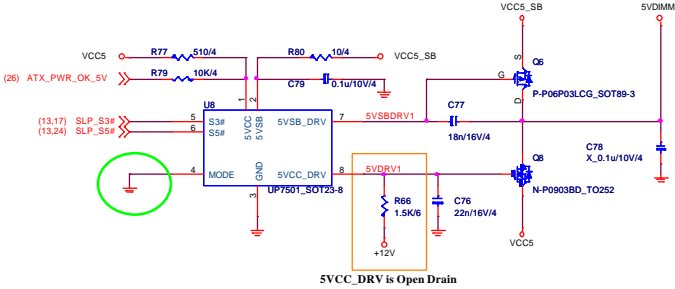


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USB CONNECTORS			
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NEAR USB CONNECTOR



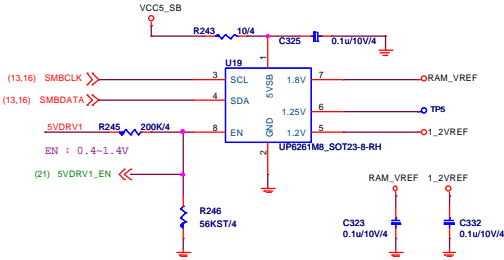
5VDIMM FOR DDR



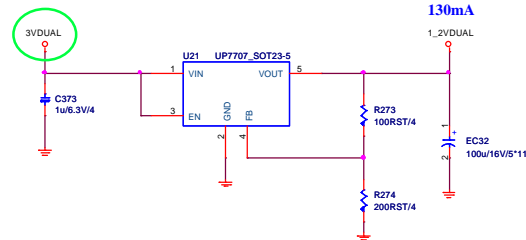
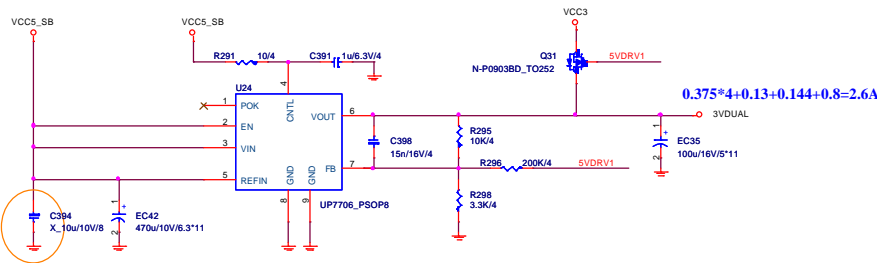
	S0	S3	S4	S5
DUAL_CTRL	X	X	0 1	0 1
5VSBDRV1	1	0	1 0	1 0
5VDRV1	1	0	0 0	0 0
5VDIMM	Y	Y	N Y	N Y

	S0	S3	S4	S5
USB_EN	1	1	1 0	1 0
USB power	Y	Y	Y N	Y N

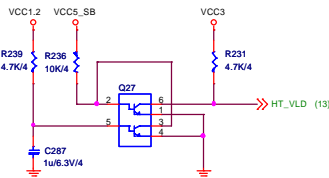
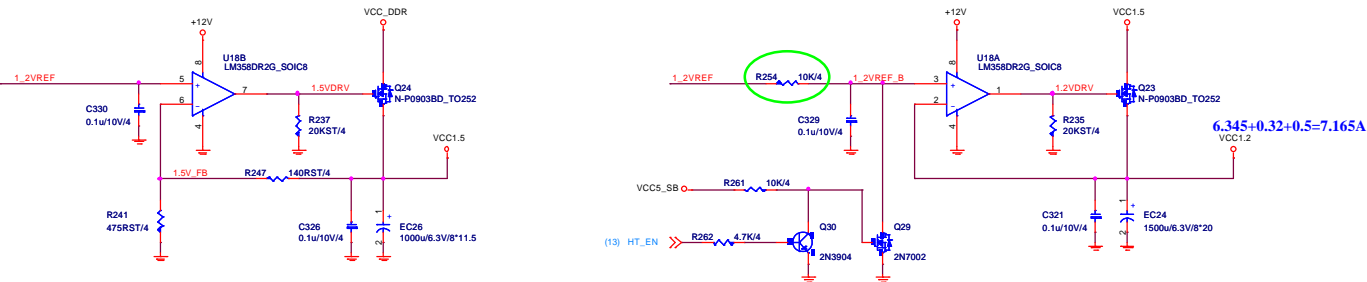
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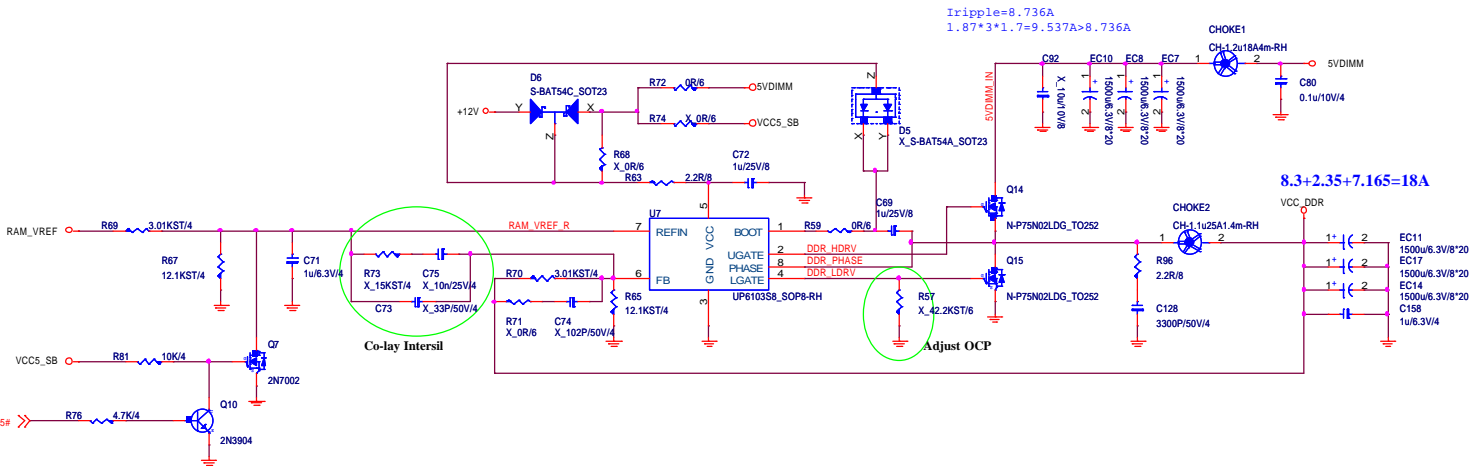


3VDUAL CONTROLLER

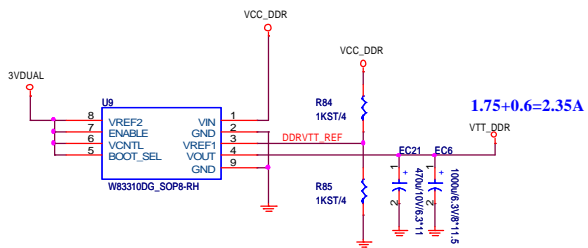


MCP68 1.2V CORE POWER



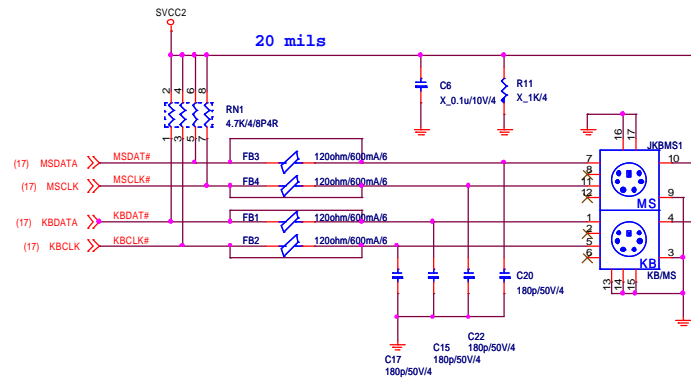


DDR VTT Power

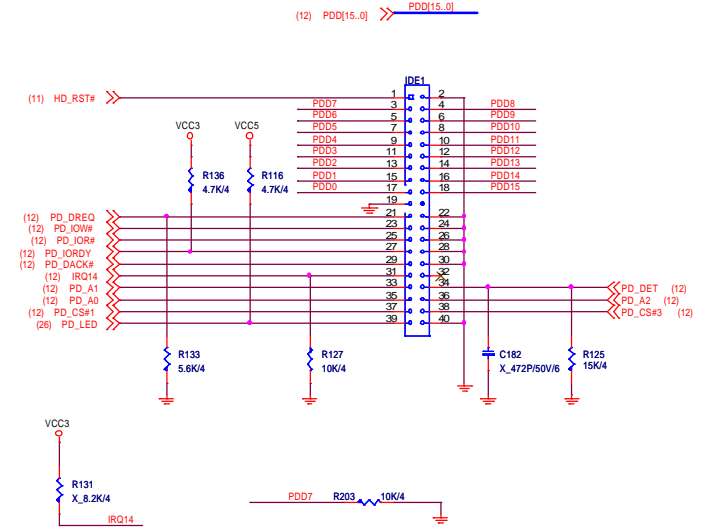


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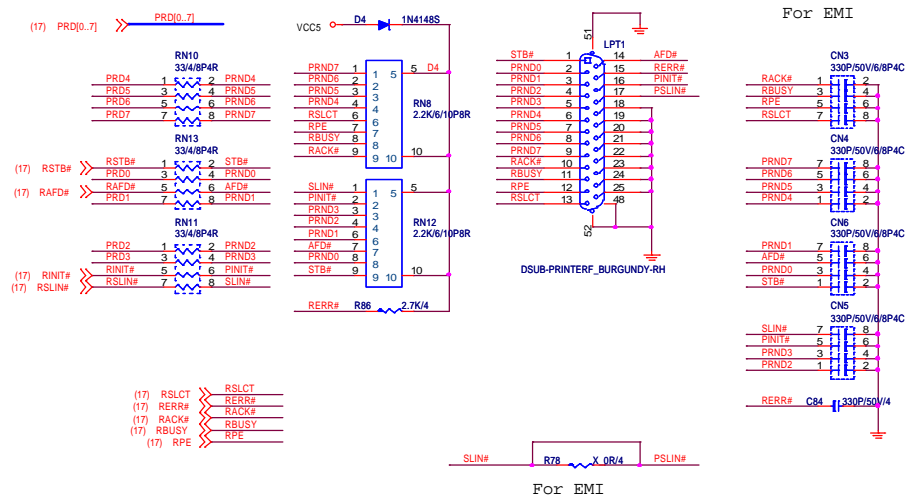
PS2 KEYBOARD & MOUSE CONNECTOR



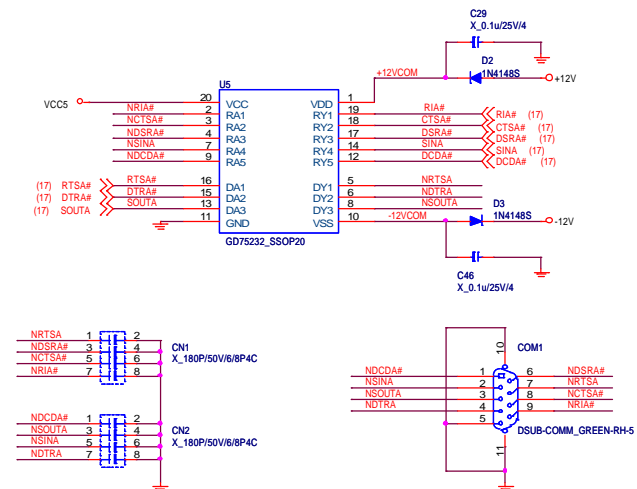
PRIMARY IDE BLOCK



PARALLAL PORT



SERIAL PORT 1



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KB/COM1/LPT/IDE			
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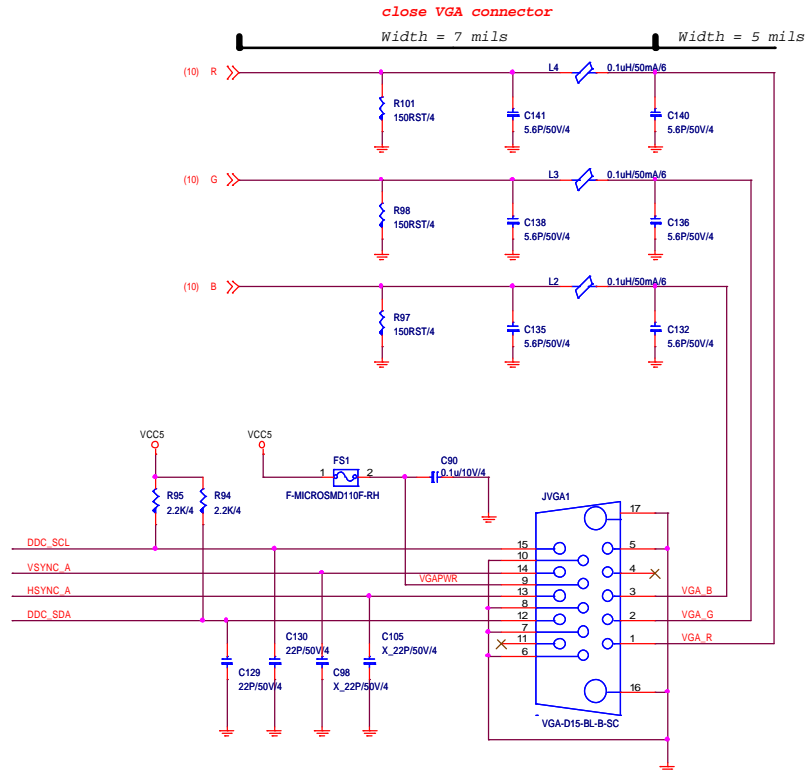
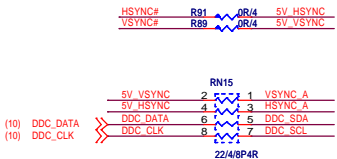
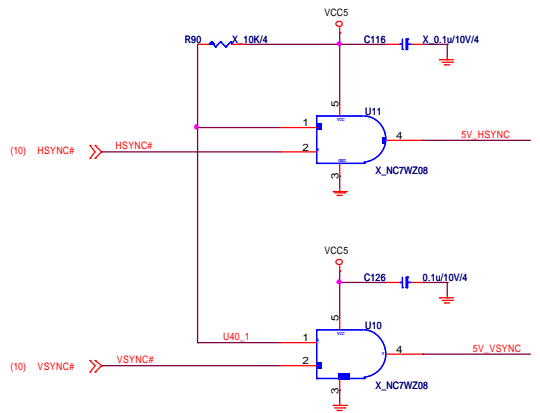
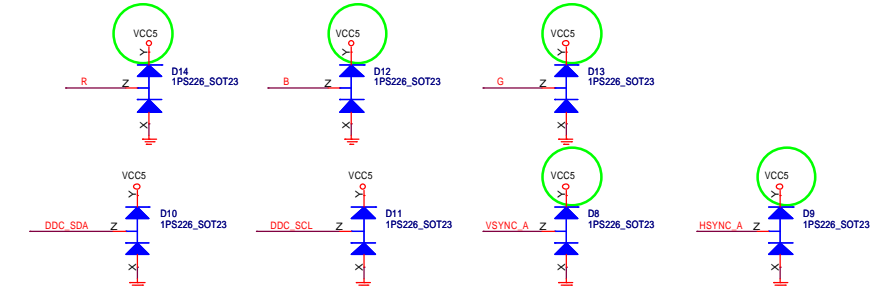
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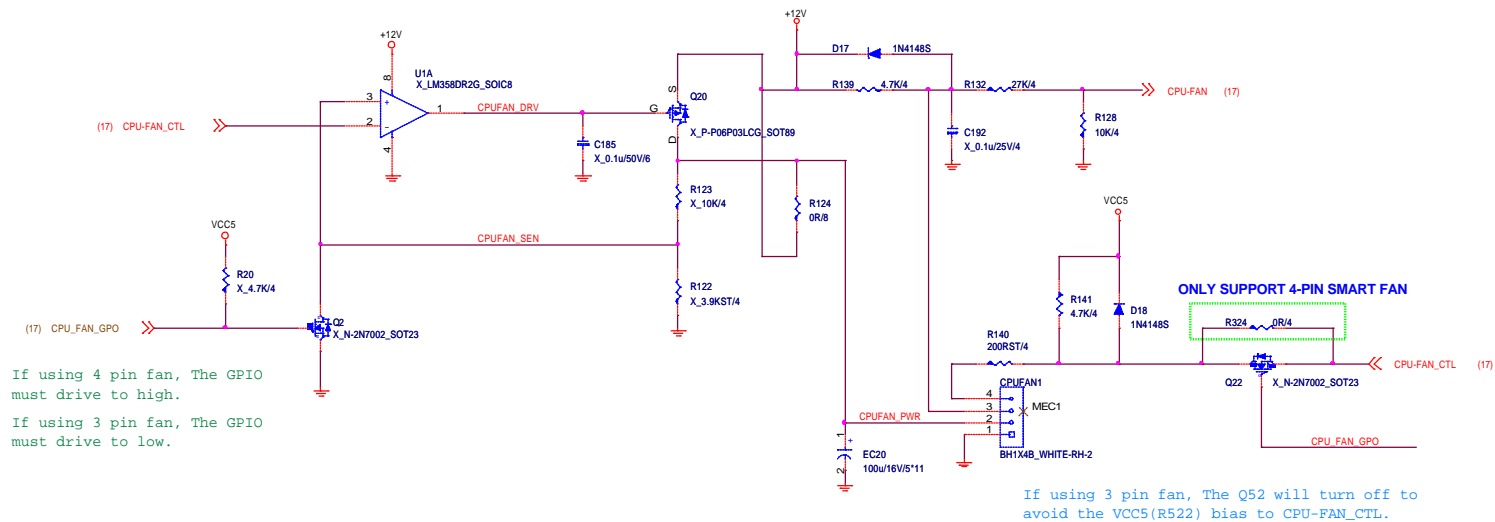
D-SUB CONNECTOR



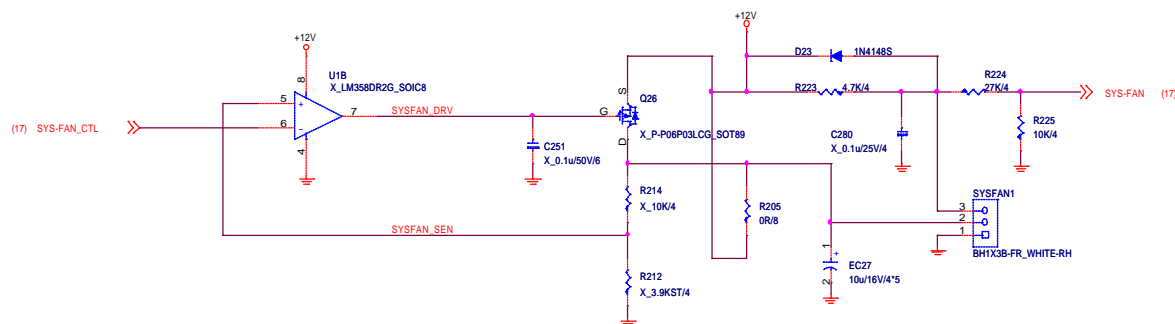
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FAN BOLCK

CPU FAN

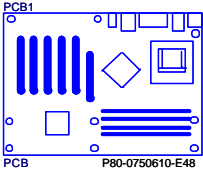


System FAN



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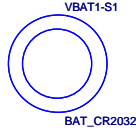
PCB



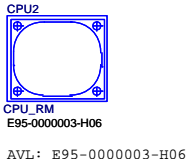
NB FAN/HEAT-SINK



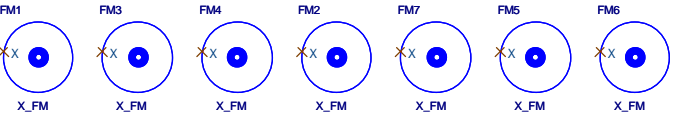
BATTERY



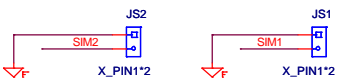
CPU RM



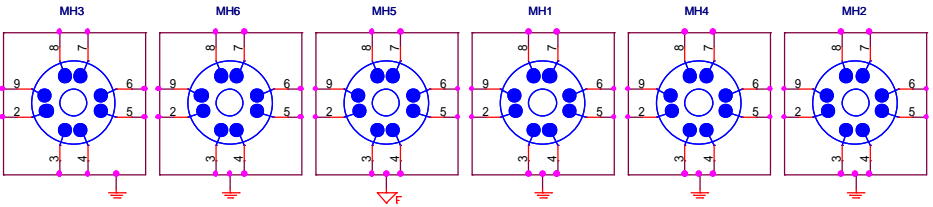
Optics Orientation Holes



Simulation



Mounting Holes



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MANUAL PARTS		
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