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MS-7317

Version:1.0

CPU:

Intel LGA775 Conroe Processor 1066MHz

System Chipset:

SIS: 968

SIS: 672FX

On Board Chipset:

BIOS -- FWH EEPROM

Azalia Codec -- ALC883/ALC888

LPC Super I/O -- W83627DHG

LAN -- BCM B5071/AC131

CLOCK --RTM876-660

Main Memory:

DDRII * 2

Expansion Slots:

PCI EXPRESS X16 SLOT * 1

PCI EXPRESS X1 SLOT * 1

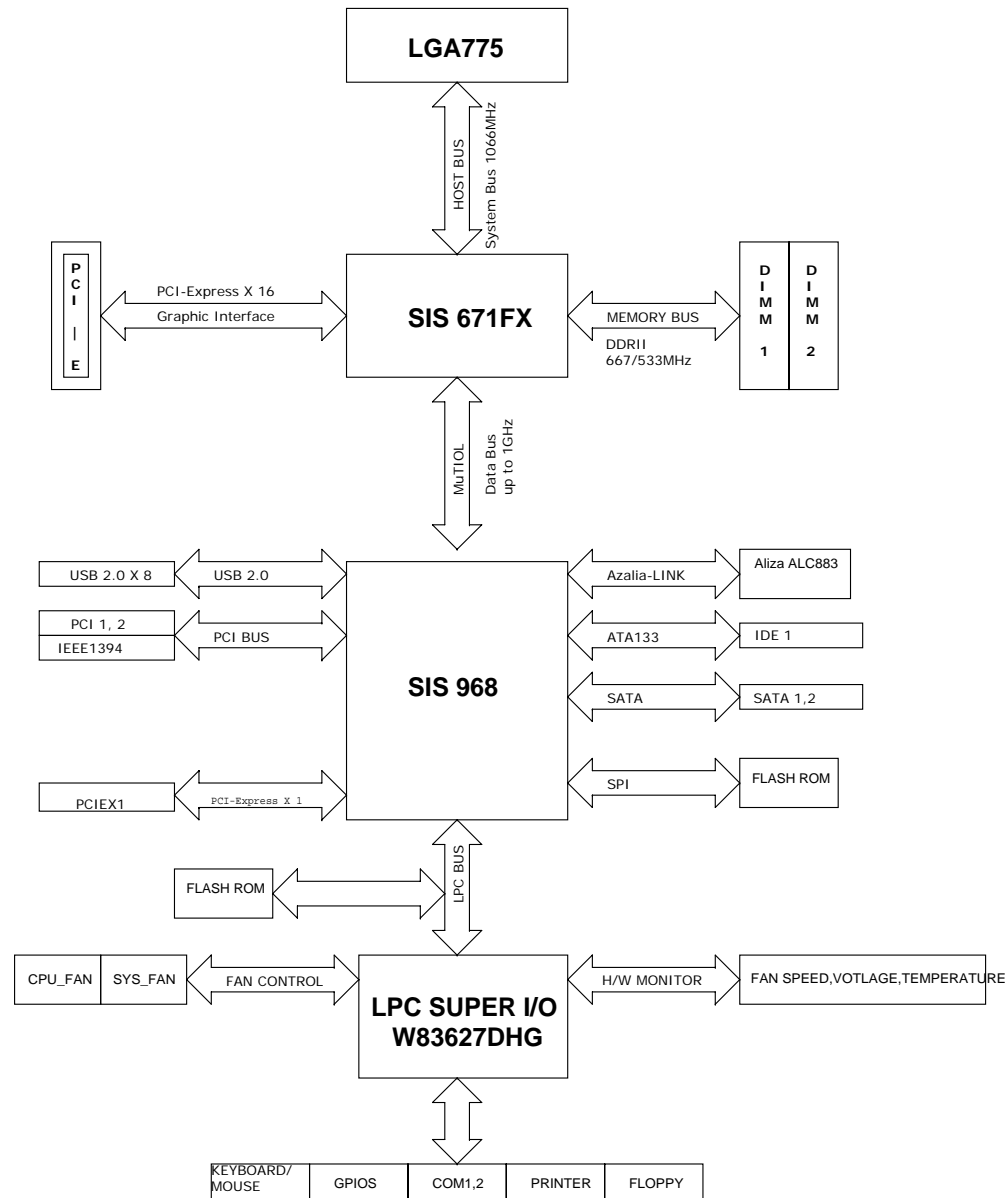
PCI SLOT * 2

PWM:

Controller: ST L6703

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System Block Diagram



GPIO Table on SIS968

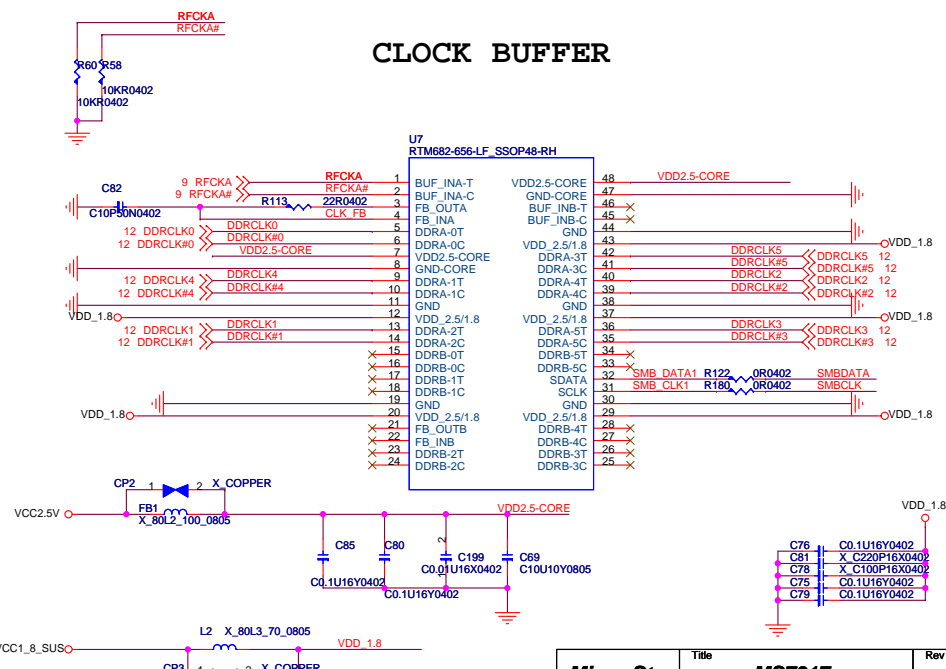
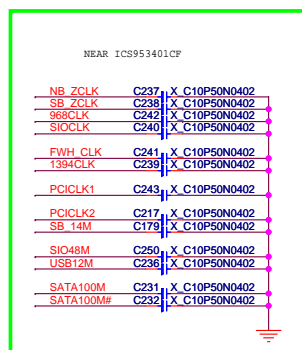
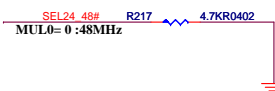
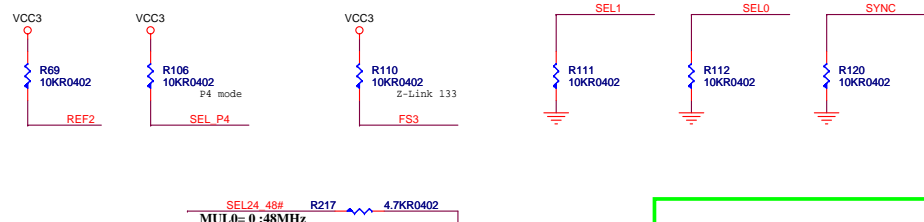
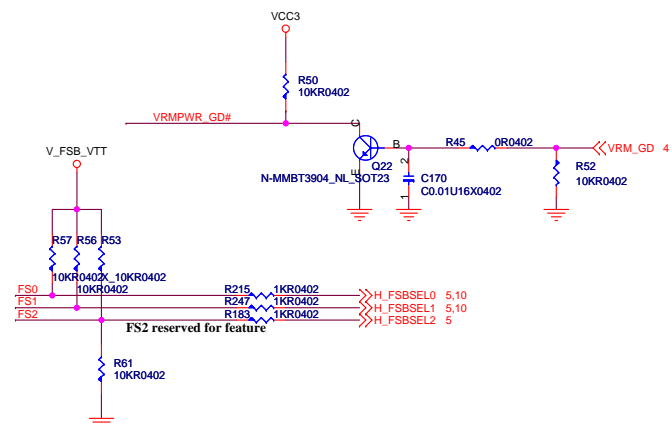
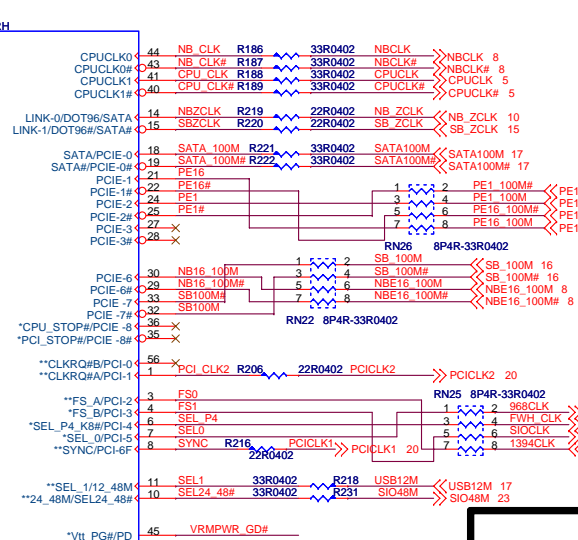
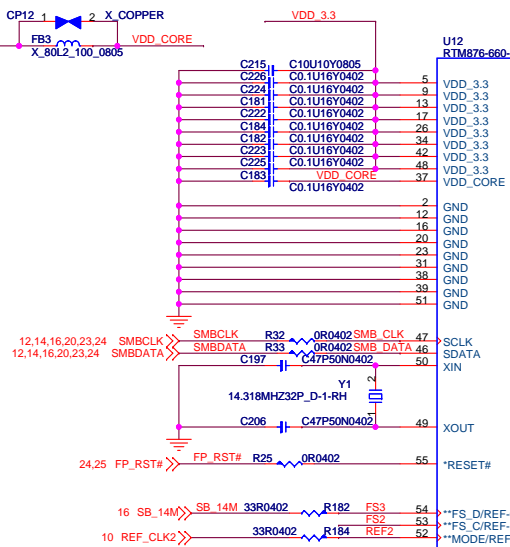
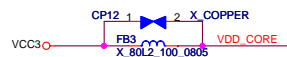
GPIO_0	I/O	MAIN	Flash Rom protection
GPIO_1	I/O	MAIN	Pull-Up
GPIO_2	I/O	MAIN	THERM#
GPIO_3	I/O	MAIN	Pull-Up
GPIO_4	I/O	MAIN	Pull-Up
GPIO_5	I/O	MAIN	Pull-Up
GPIO_6	I/O	MAIN	Pull-Up
GPIO_7	I/O	MAIN	Pull-Up
GPIO_8	I/O	RESUME	Pull-Up
GPIO_9	I/O	RESUME	Pull-Down
GPIO_10	I/O	RESUME	Pull-Down
GPIO_11	I/O	RESUME	Pull-Up
GPIO_12	I/O	RESUME	Pull-Up
GPIO_13	I/O	RESUME	Pull-Up
GPIO_14	I/O	RESUME	Pull-Up
GPIO_15	I/O	RESUME	RESERVED
GPIO_16	O	RESUME	RESERVED
GPIO_17	O	RESUME	RESERVED
GPIO_18	O	RESUME	RESERVED
GPIO_19	I/O	MAIN	SMBCLK
GPIO_20	I/O	MAIN	SMBDAT
GPIO_21	I	RESUME	RESERVED
GPIO_22	I	RESUME	RESERVED
GPIO_23	I	RESUME	RESERVED
GPIO_24	I	RESUME	RESERVED

PCI Config.

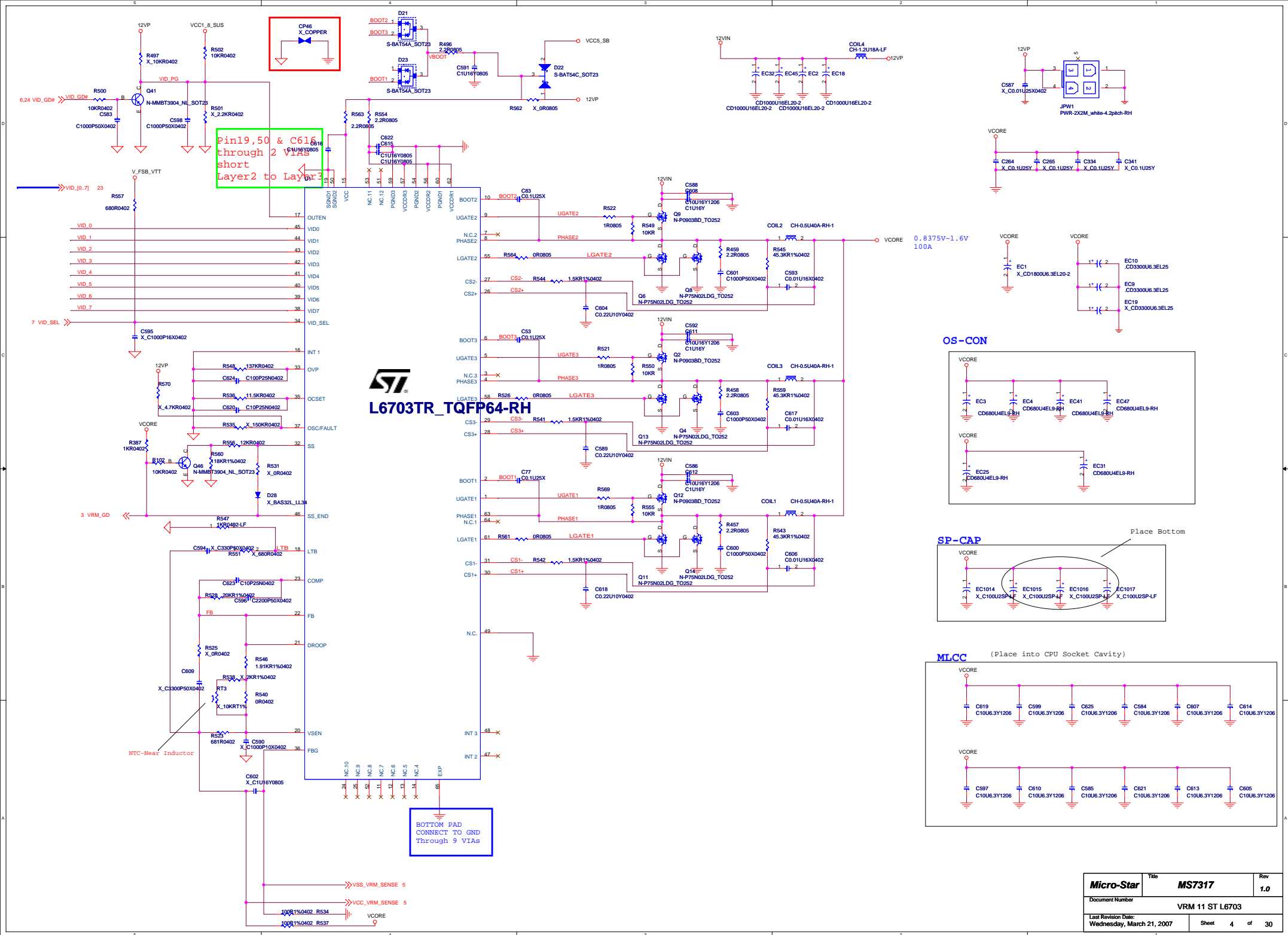
DEVICE	MCP1 INT Pin	REQ#/GNT#	IDSEL	CLOCK
PCI Slot 1	PIRQ#A PIRQ#B PIRQ#C PIRQ#D	PCI_REQ#0 PCI_GNT#0	AD23	PCICLK1
PCI Slot 2	PIRQ#B PIRQ#C PIRQ#D PIRQ#A	PCI_REQ#1 PCI_GNT#1	AD24	PCICLK2
1394	PIRQ#C	PCI_REQ#3 PCI_GNT#3	AD22	1394CLK

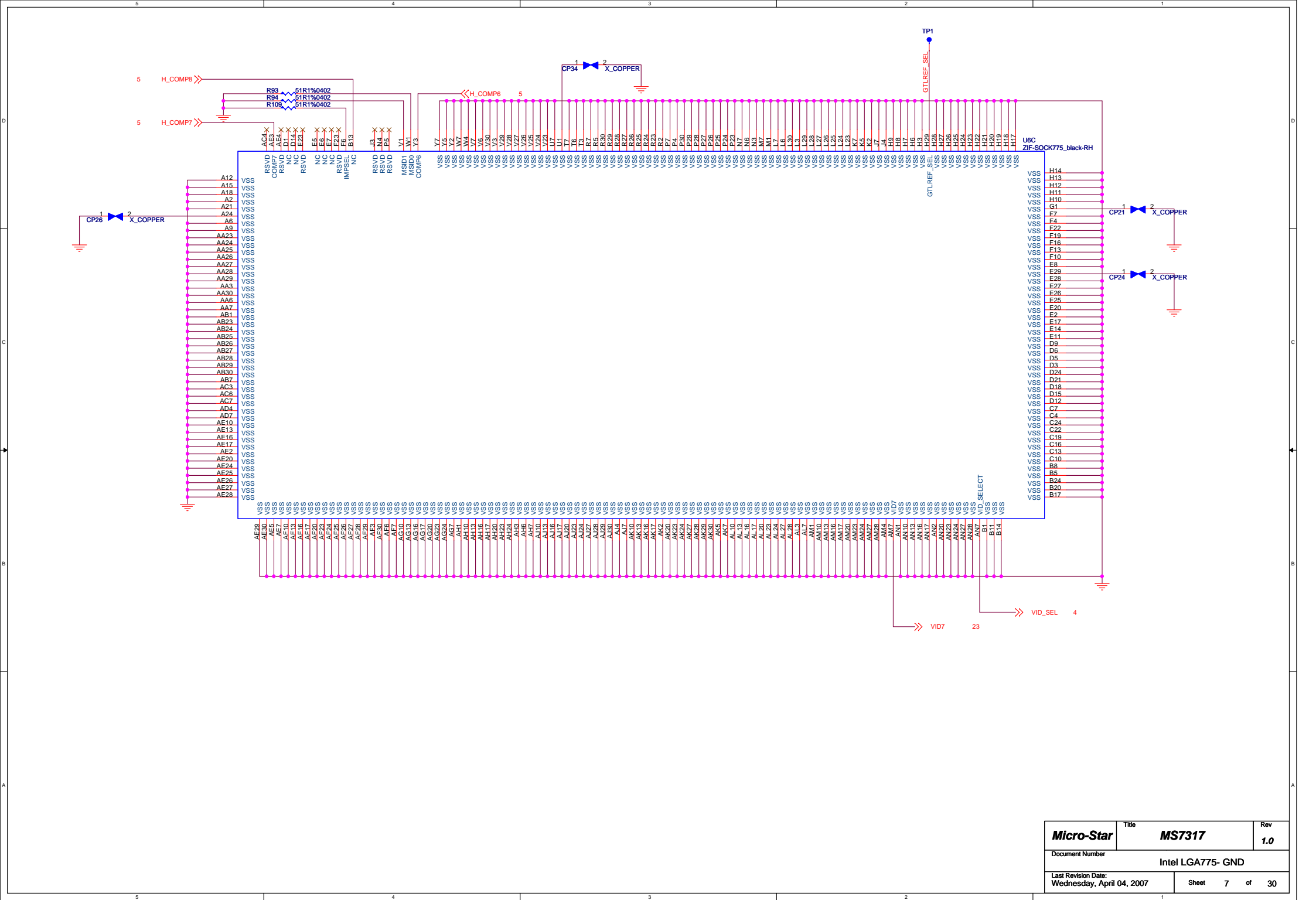
PCI RESET DEVICE

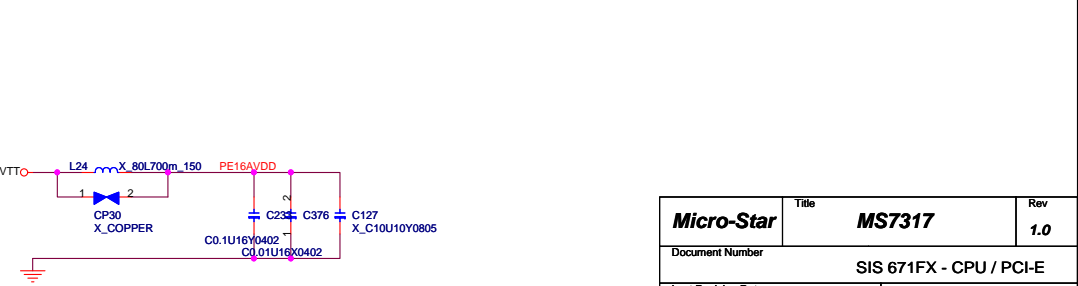
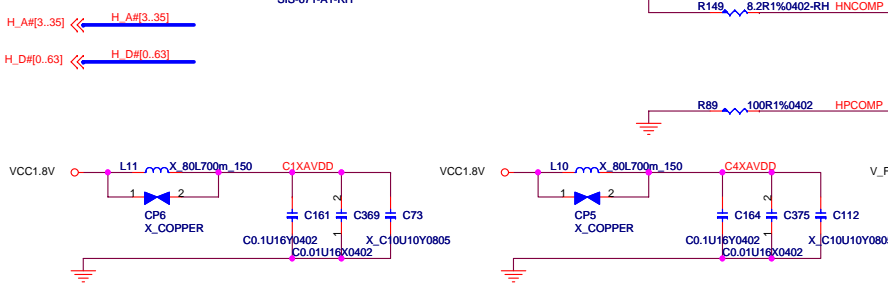
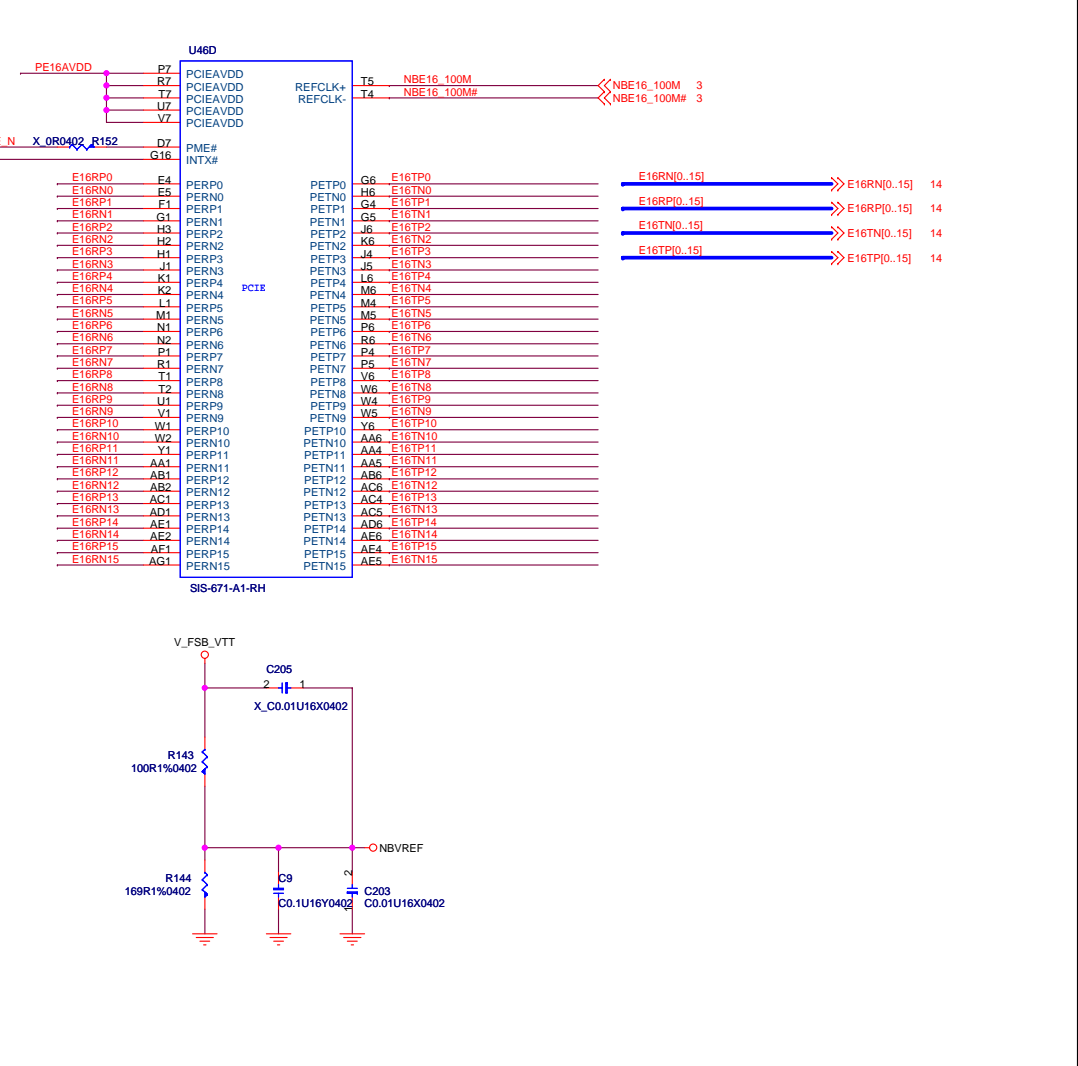
Signals	Target
PCI_RST#	PCI_E16
SLOT_RST#	PCI1~2, PCI_E1
HD_RST#	Primary IDE
DEV_RST#	LAN
CHIP_RST#	S/IO, Flash Rom, SIS649

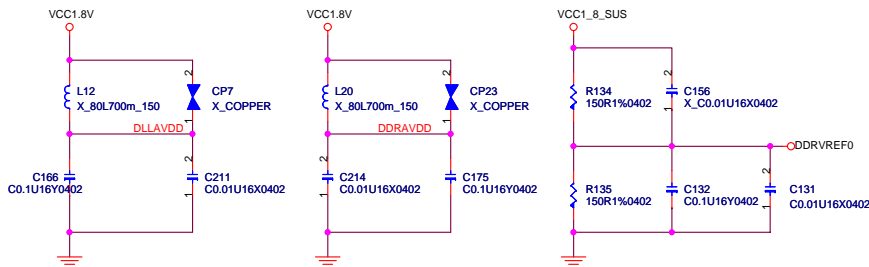


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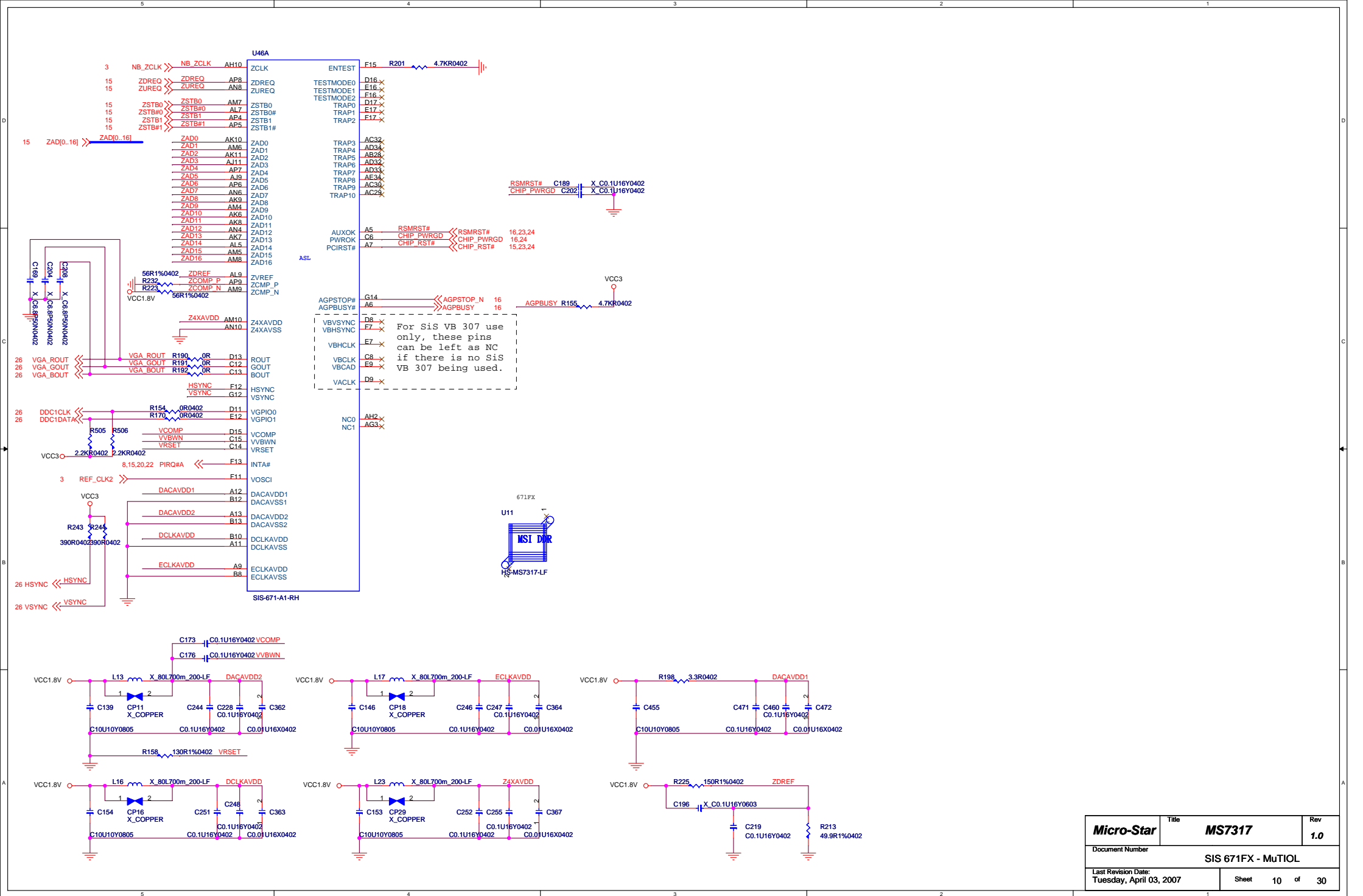


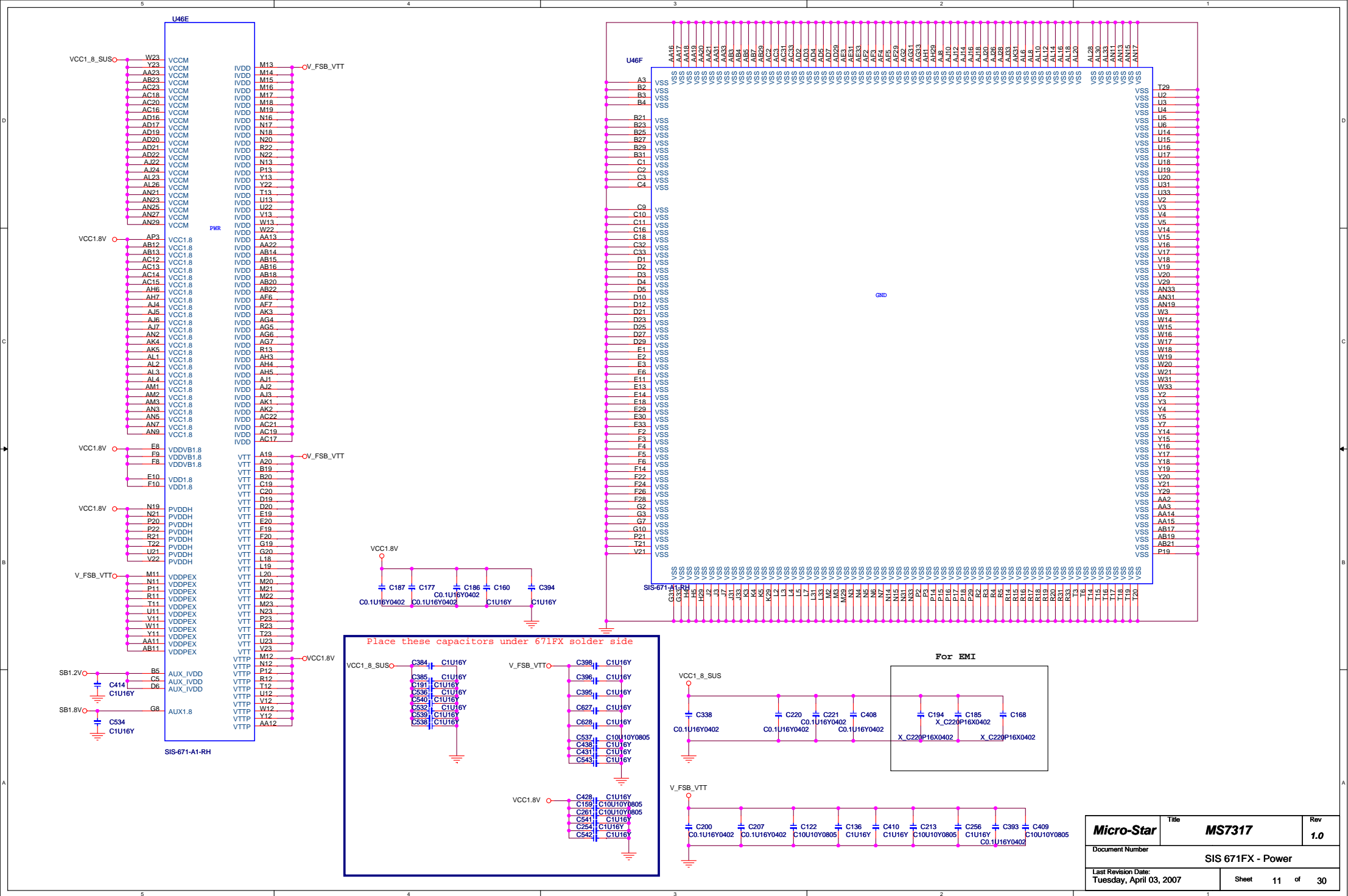


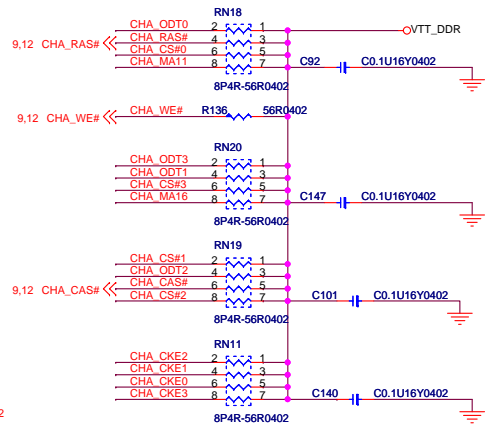
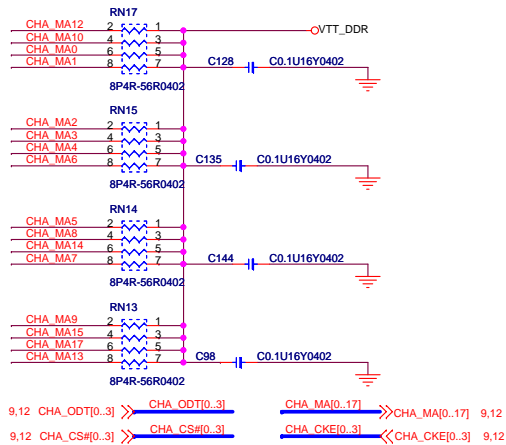




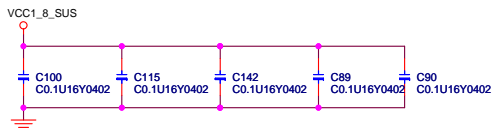
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Document Number SIS 671FX - Memory		
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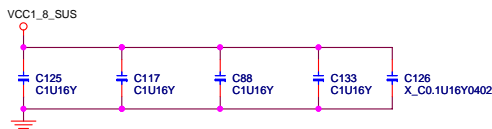




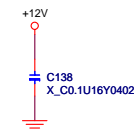
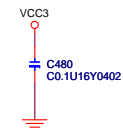
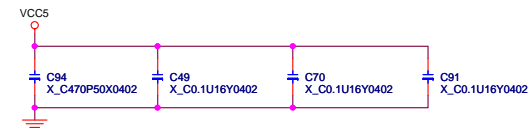
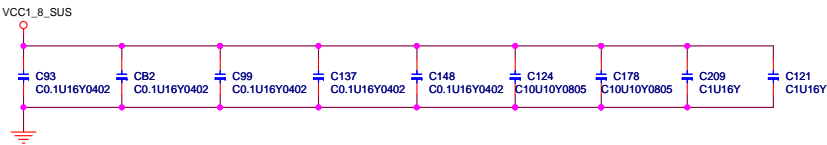
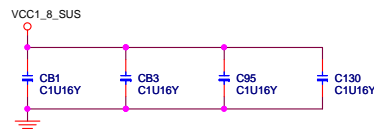
DECOUPLING CAPACITOR FOR SSTL-2 END TERMINATION VTT ISLAND
 0603 Package placed within 200mils of VTT Termination R-packs
 right side of DIMM2



Right side of DIMM1

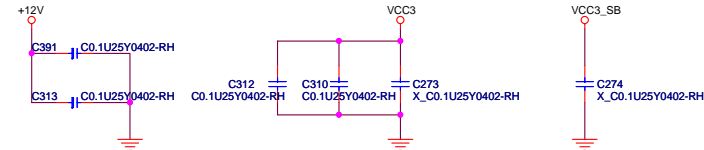
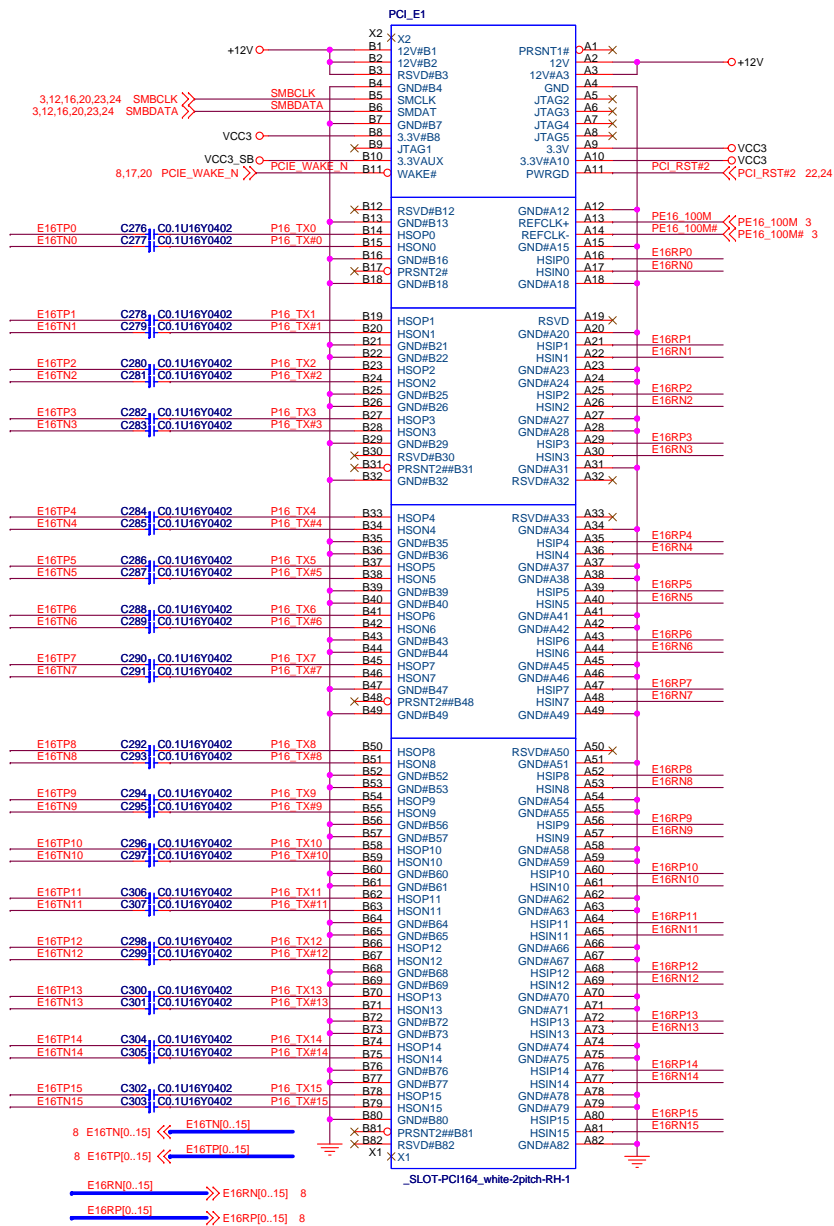


left side of DIMM1

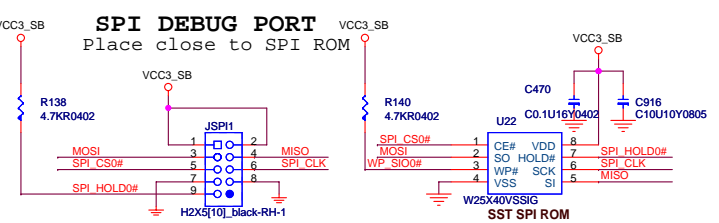
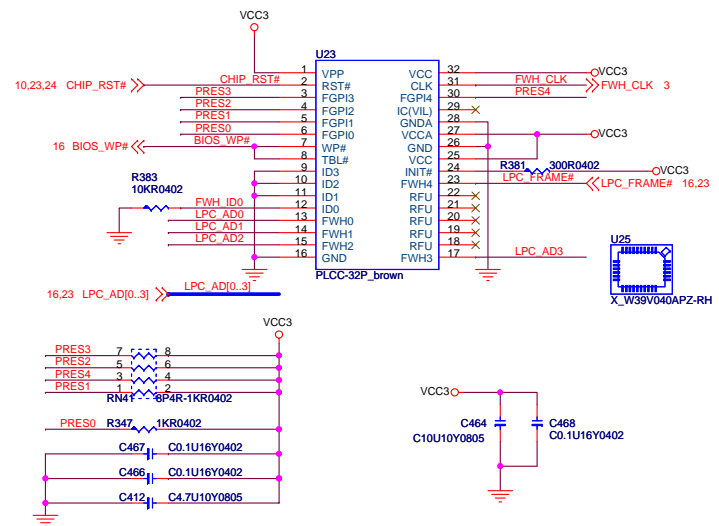
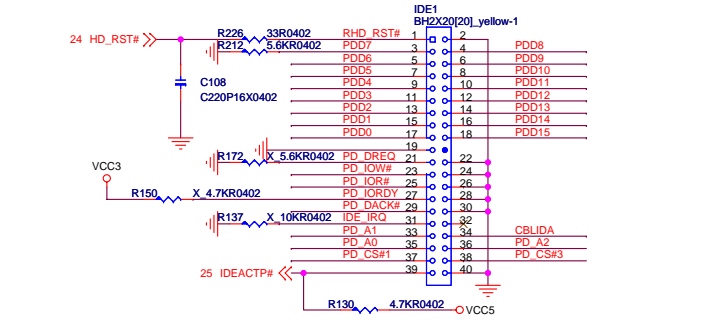
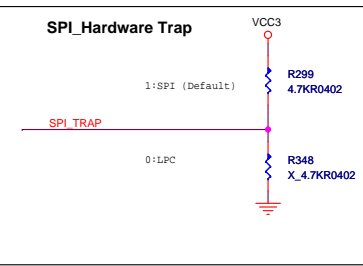
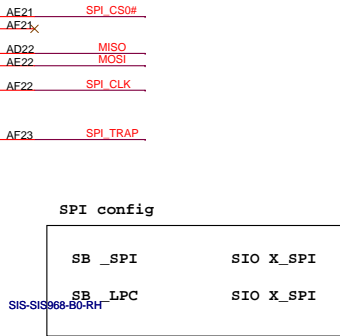
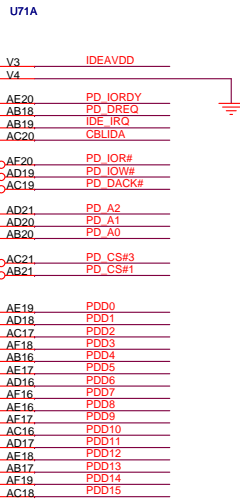
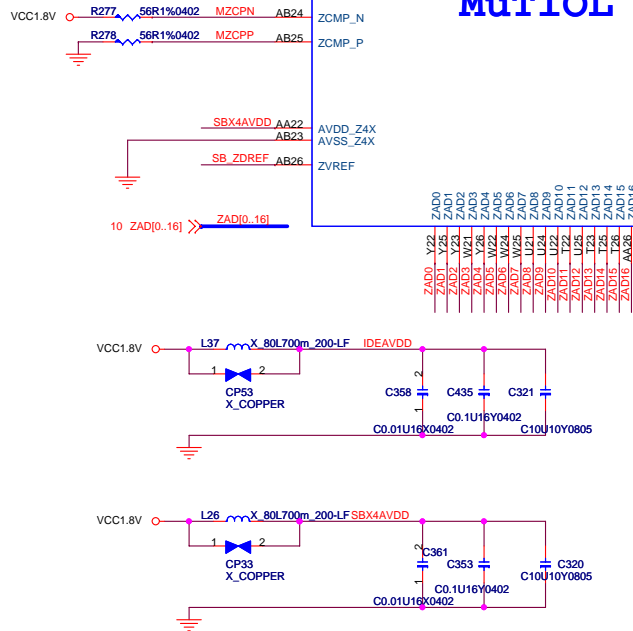
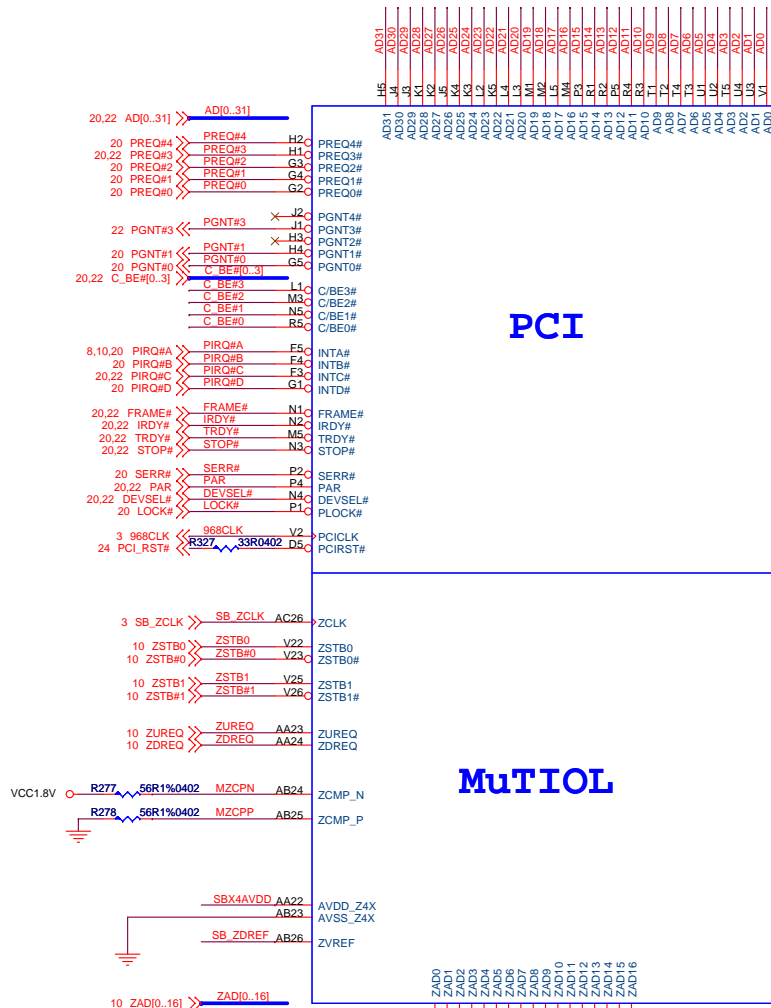


EMI
 Requested

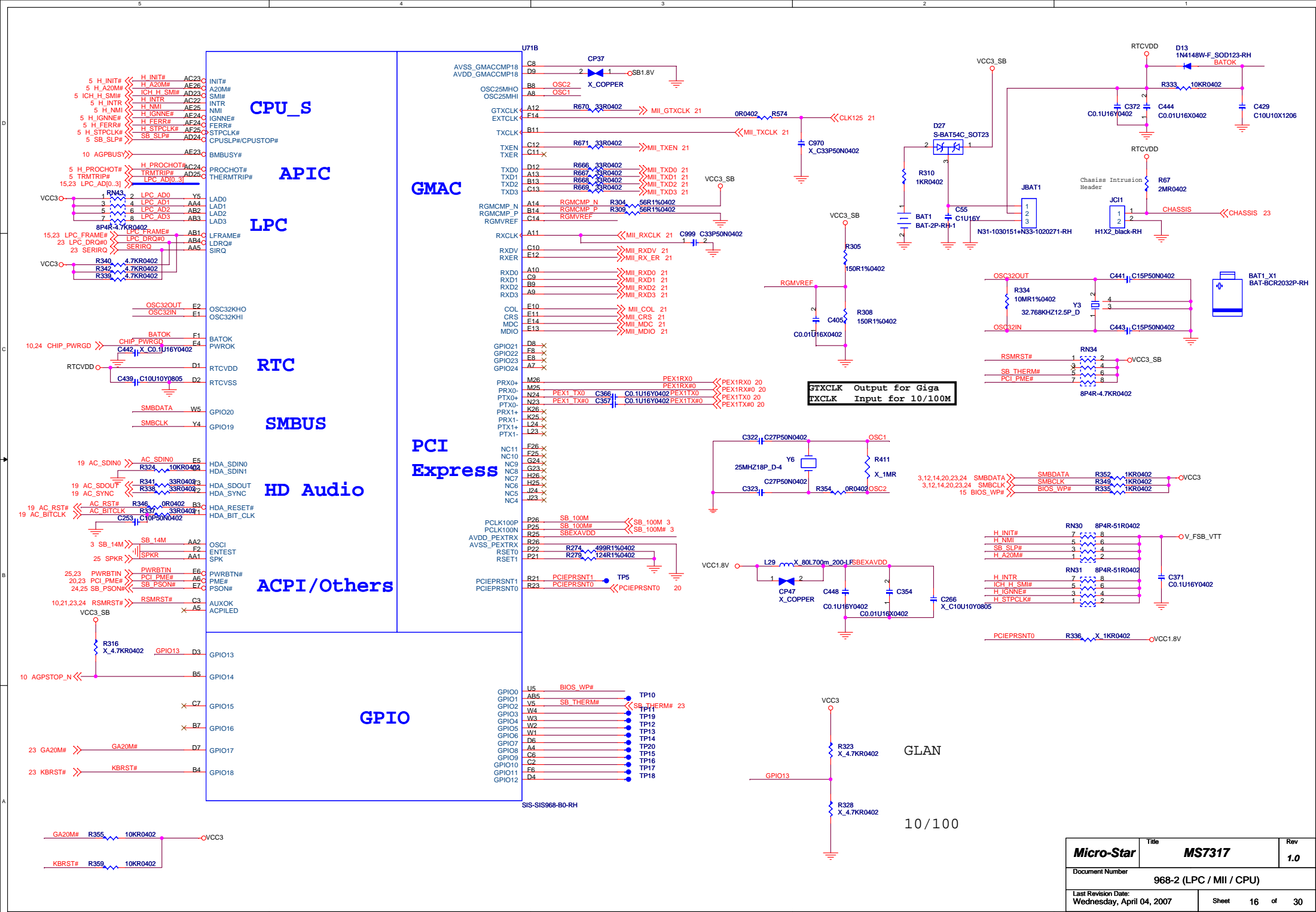
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	MS7317	1.0
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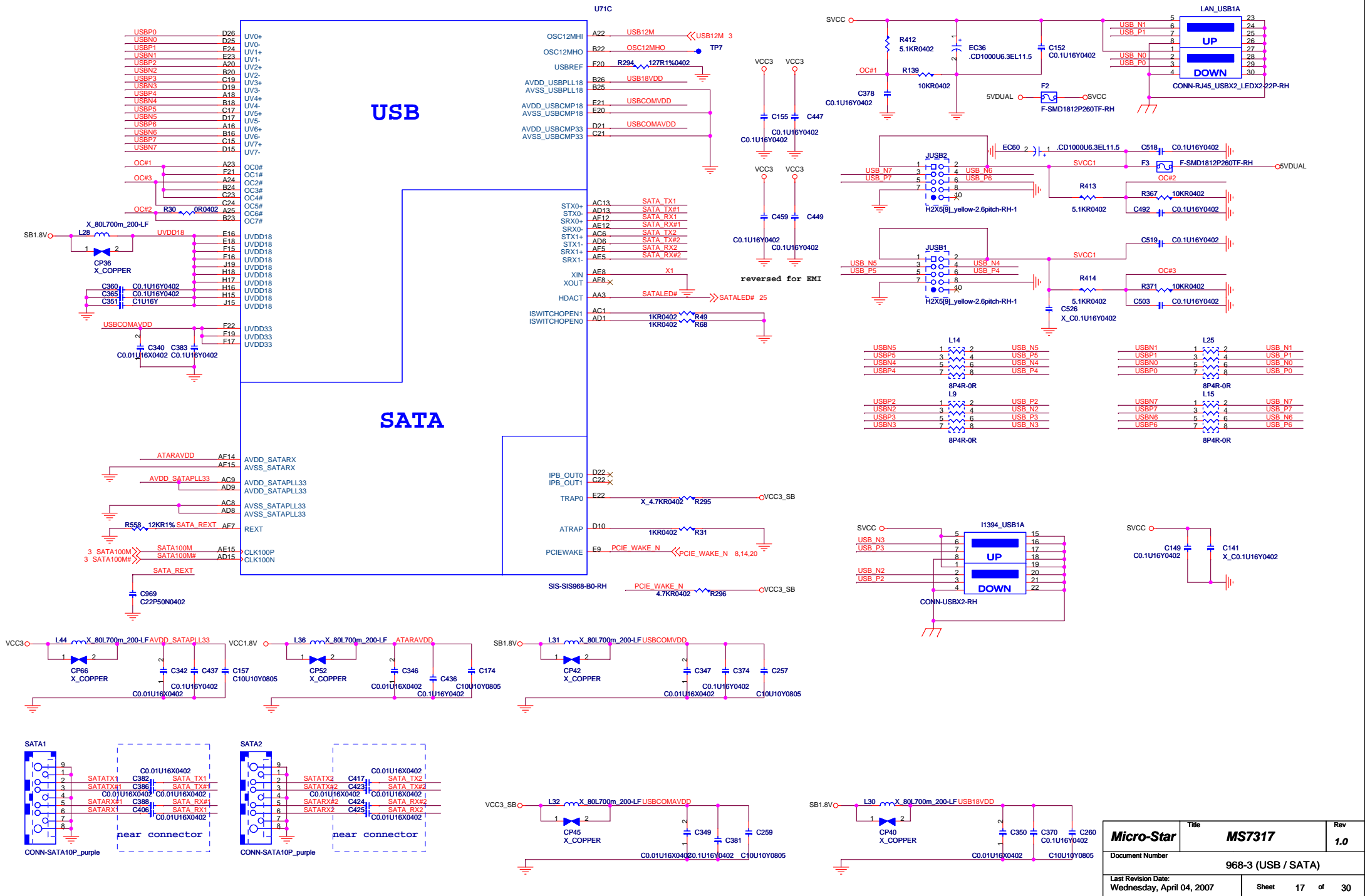
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Document Number	968-1 (PCI / IDE / MuTIOL)			
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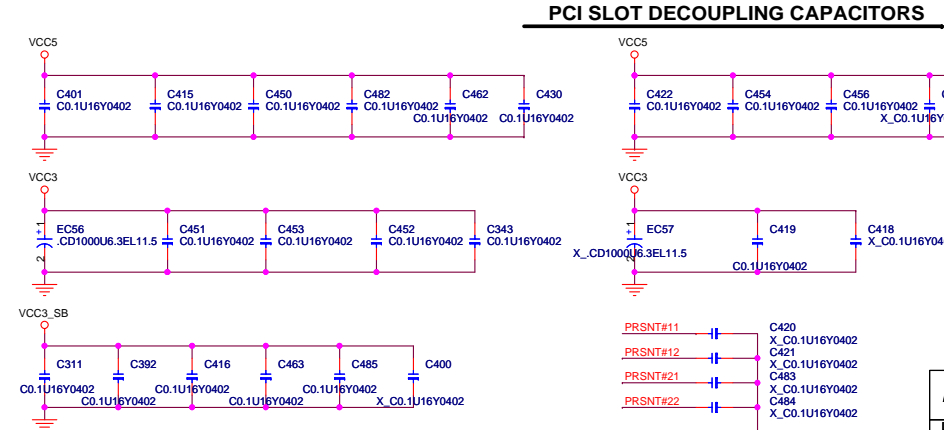
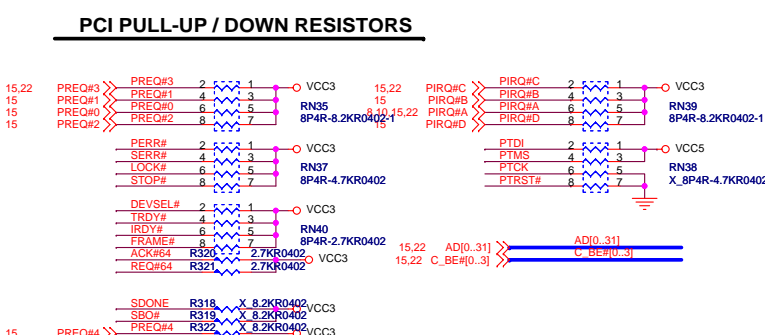
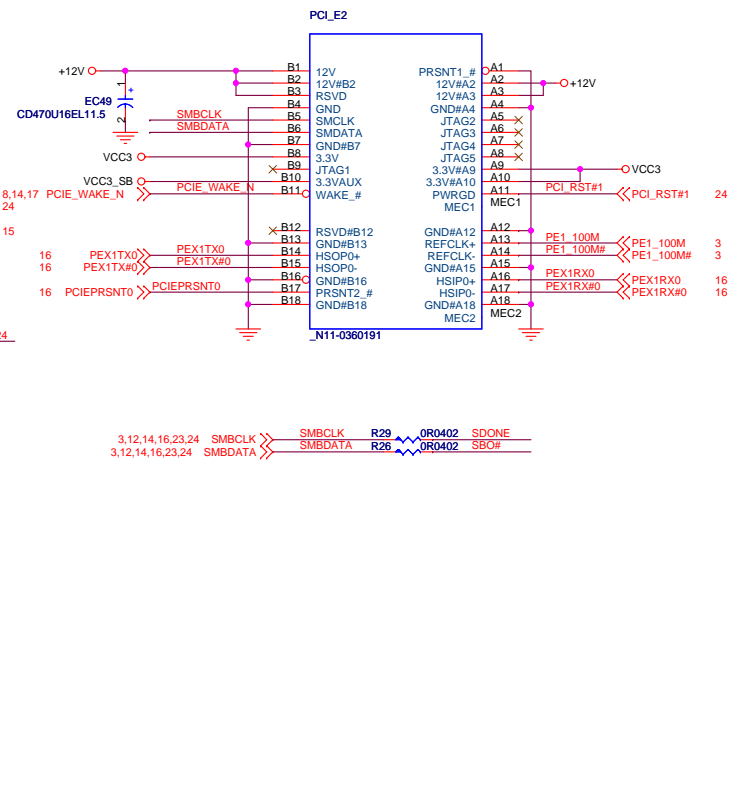
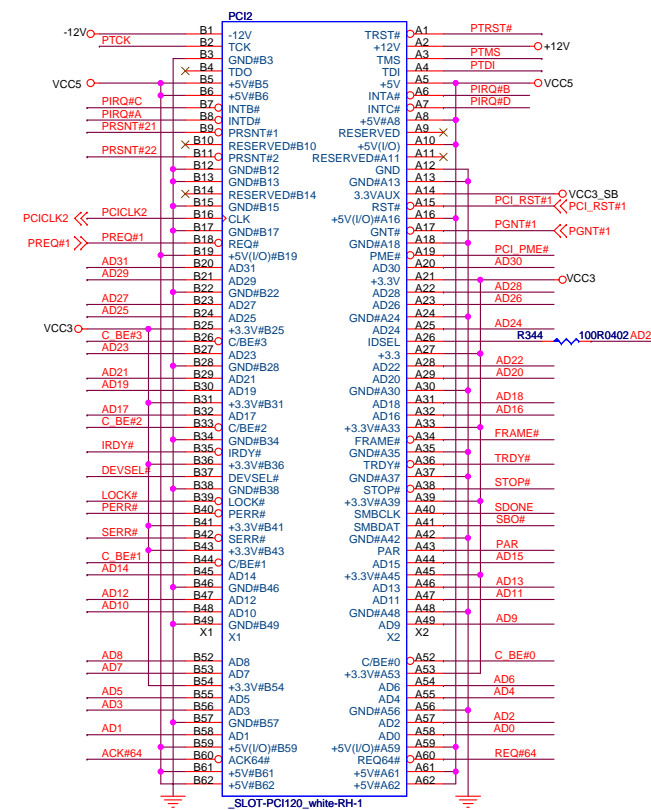
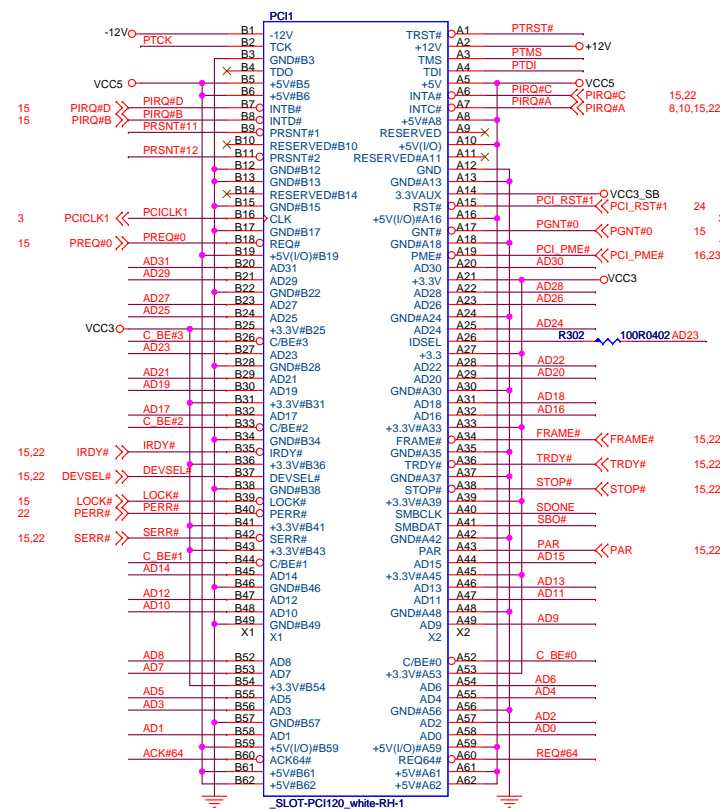
Title		Rev
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MS7317		
Document Number		
968-2 (LPC / MII / CPU)		
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USB

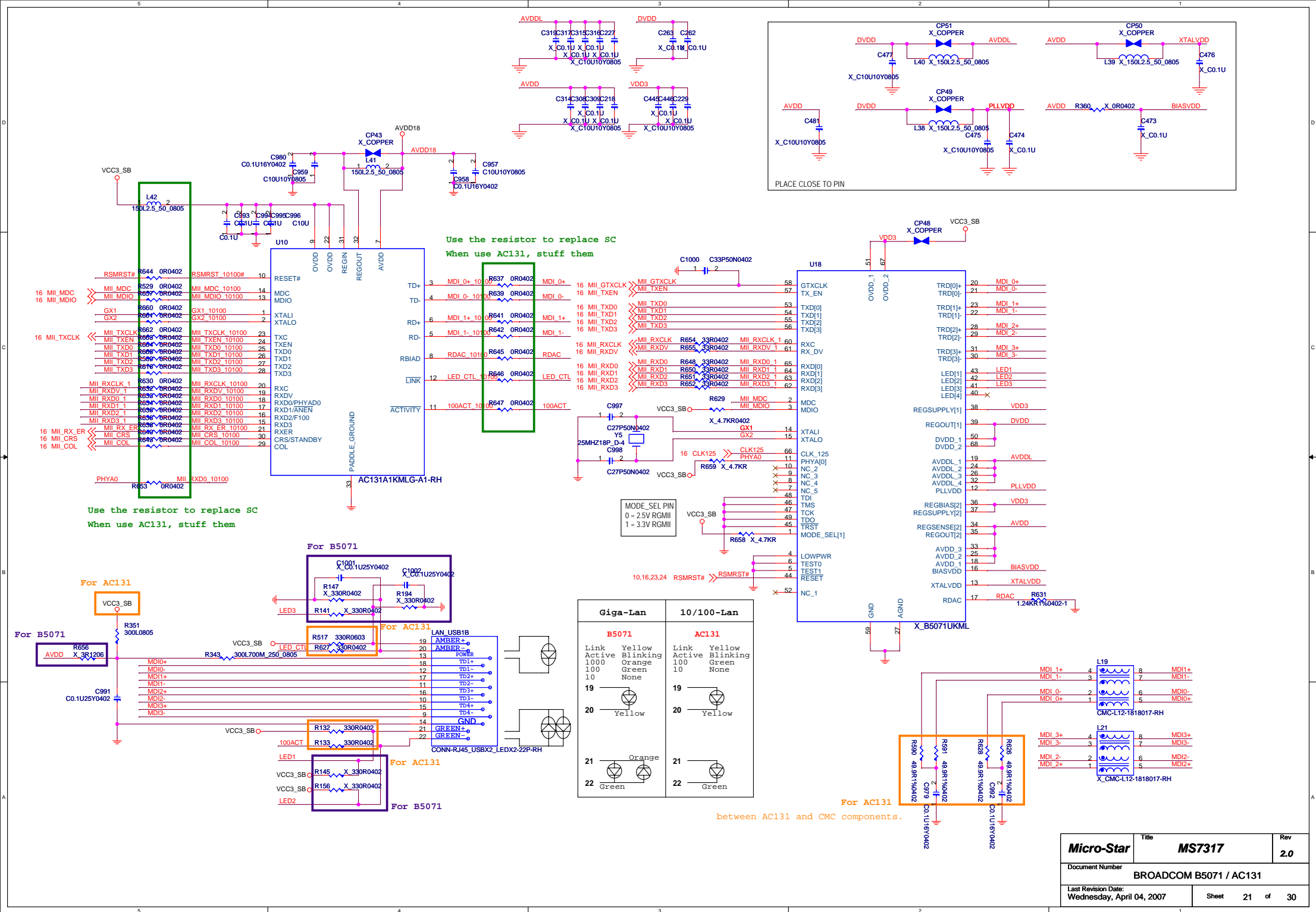
SATA



Micro-Star	Title	MS7317	Rev	1.0
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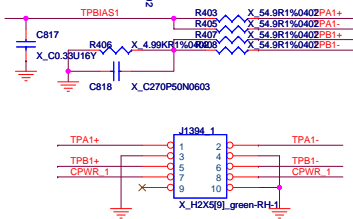
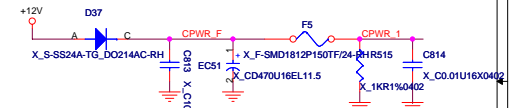
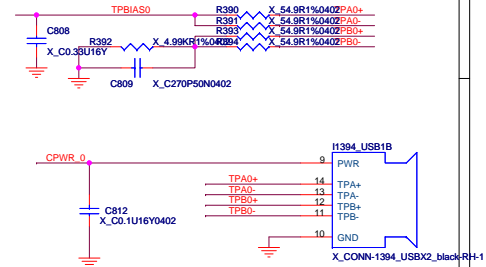
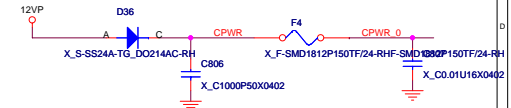
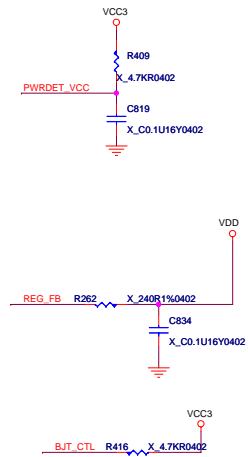
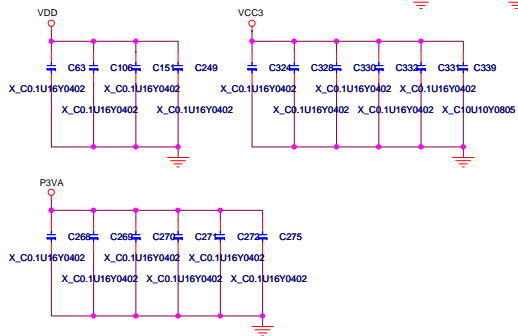
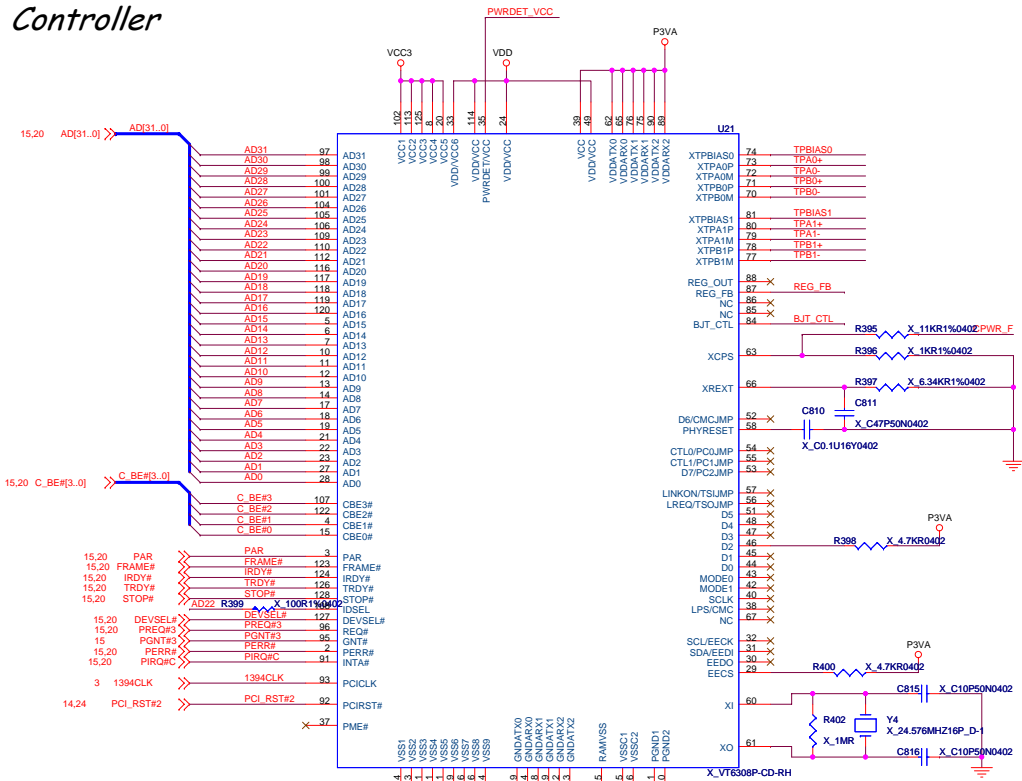


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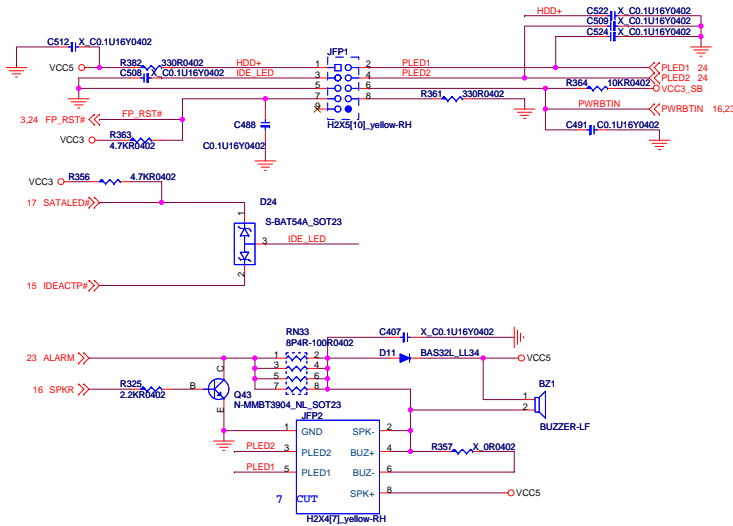
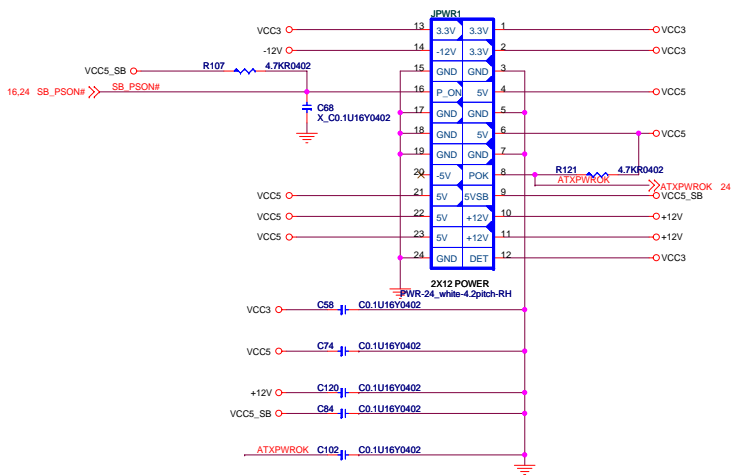
Giga-Lan		10/100-Lan	
B5071	AC131	B5071	AC131
Link Yellow	Link Yellow	Link Yellow	Link Yellow
Active Blinking	Active Blinking	Active Blinking	Active Blinking
1000 Orange	100 Green	100 Orange	100 Green
100 Green	10 None	10 Green	10 None
TD1+	TD1+	TD1+	TD1+
TD1-	TD1-	TD1-	TD1-
TD2+	TD2+	TD2+	TD2+
TD2-	TD2-	TD2-	TD2-
TD3+	TD3+	TD3+	TD3+
TD3-	TD3-	TD3-	TD3-
TD4+	TD4+	TD4+	TD4+
TD4-	TD4-	TD4-	TD4-
19 Yellow	19 Yellow	19 Yellow	19 Yellow
20 Yellow	20 Yellow	20 Yellow	20 Yellow
21 Orange	21 Green	21 Orange	21 Green
22 Green	22 Green	22 Green	22 Green

1394a OHCI Link Layer Controller

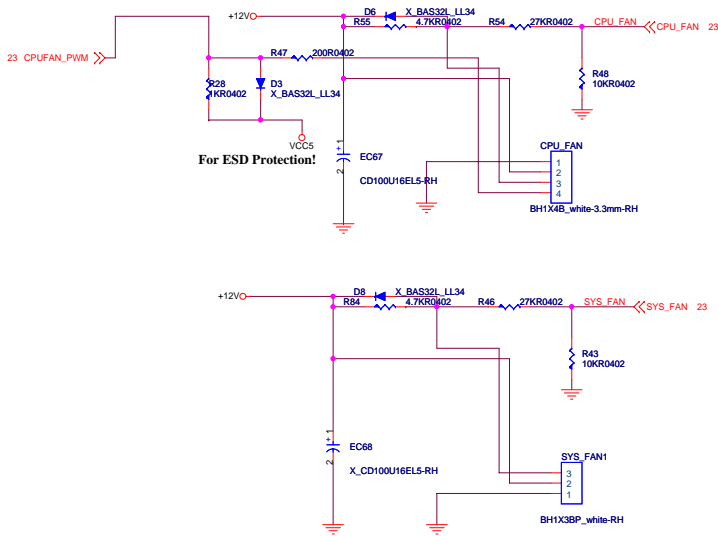


For Intel 1394 pinheader

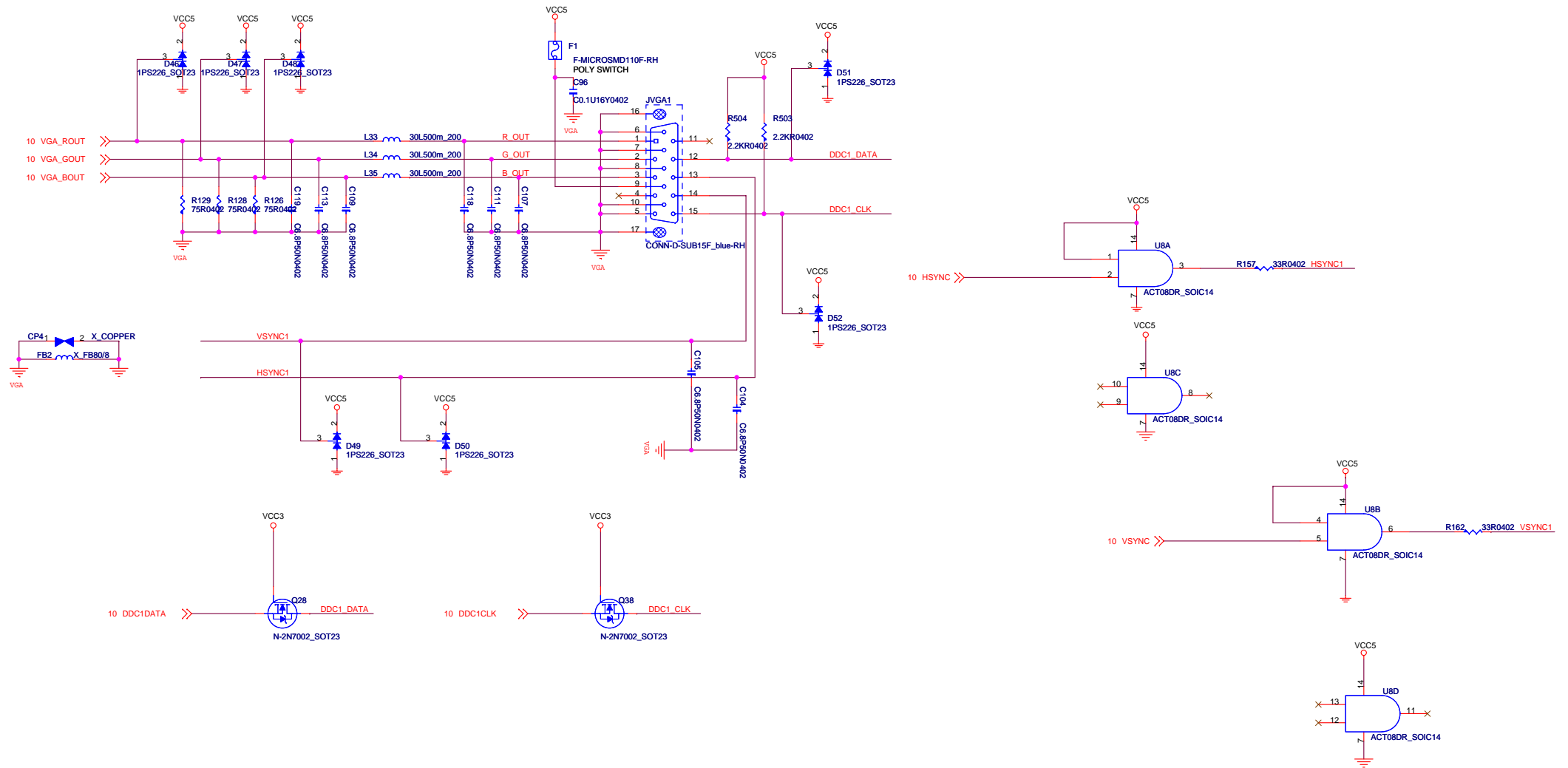
ATX Power and Front Pannel



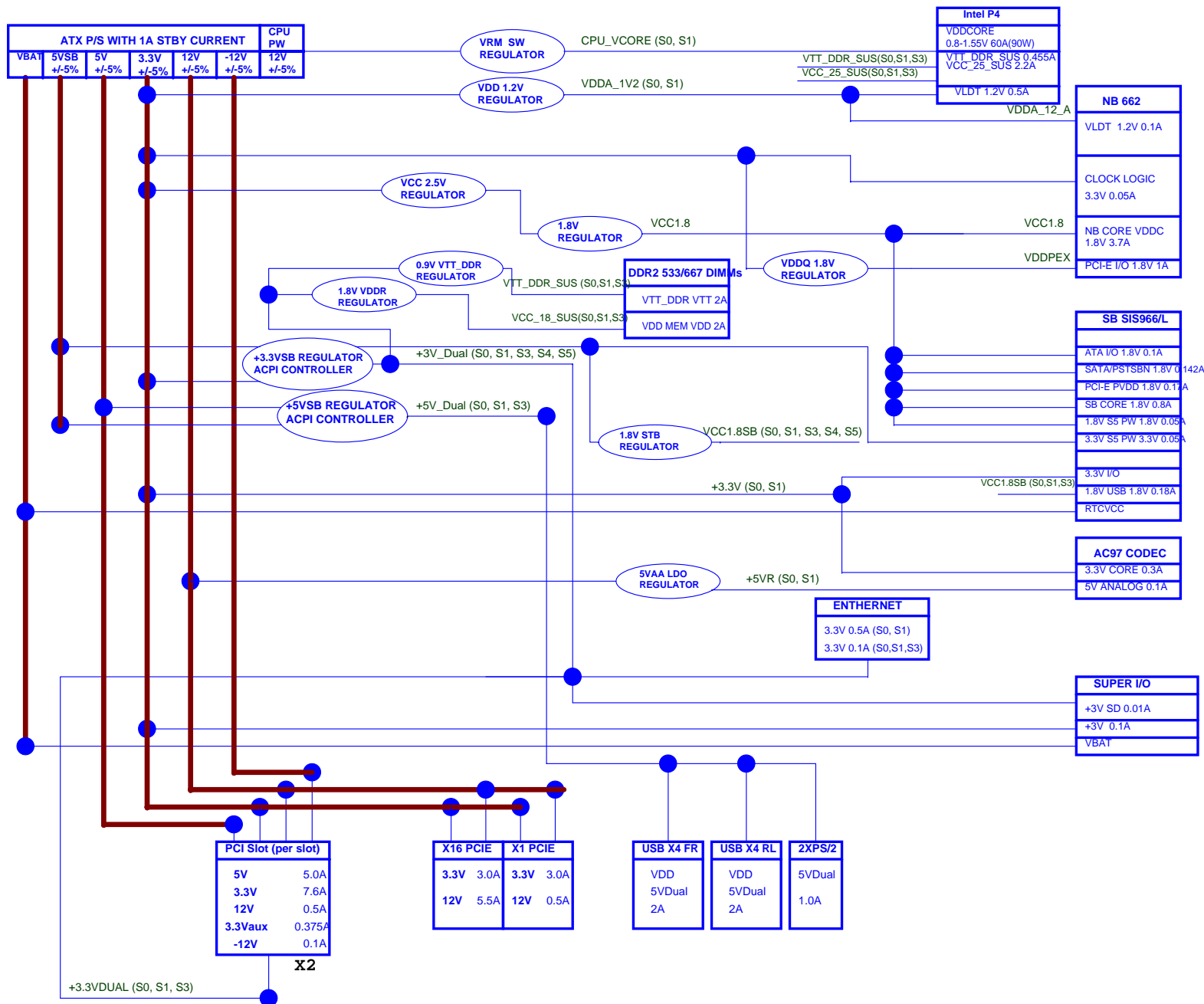
FAN



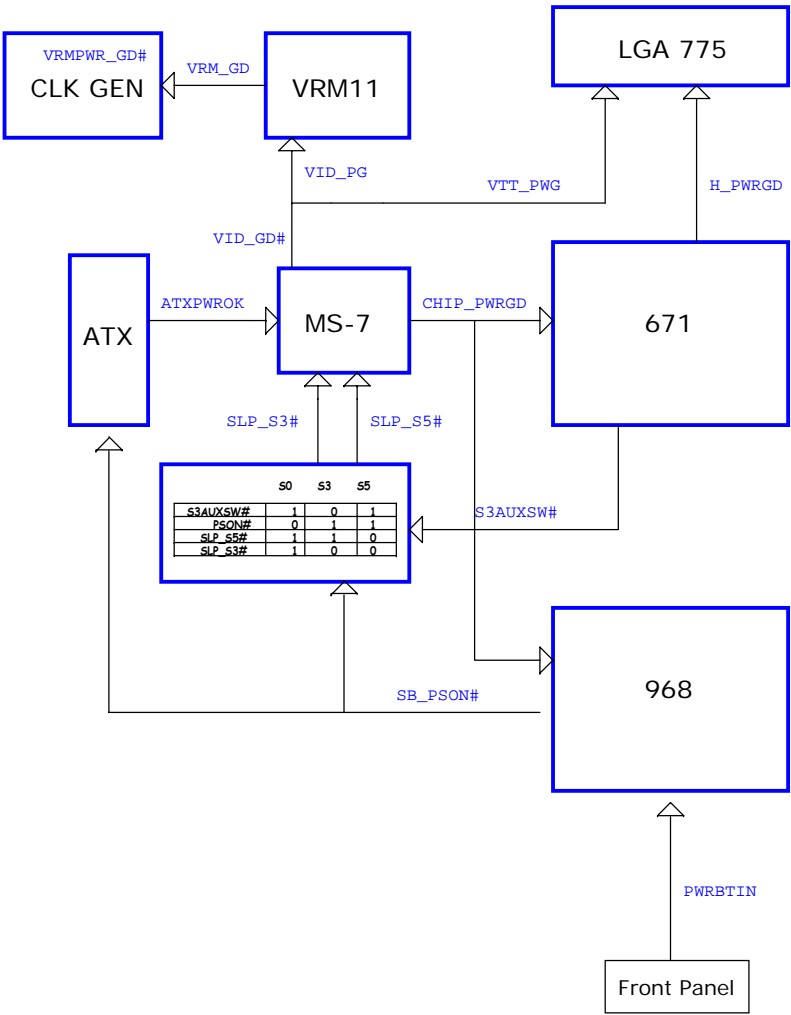
VGA CONNECTOR



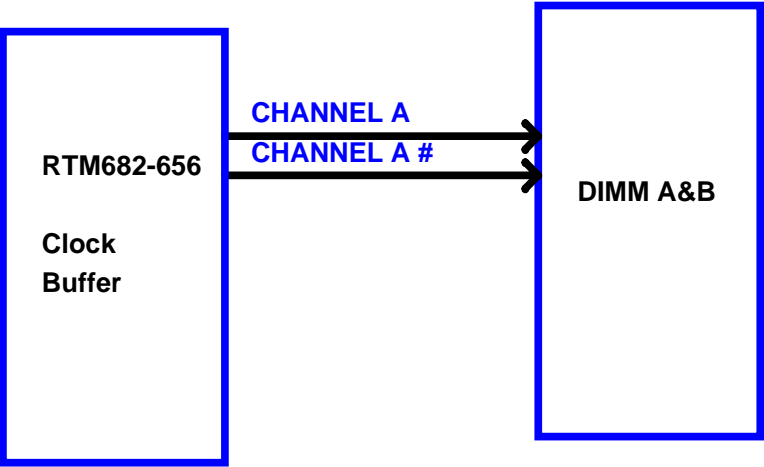
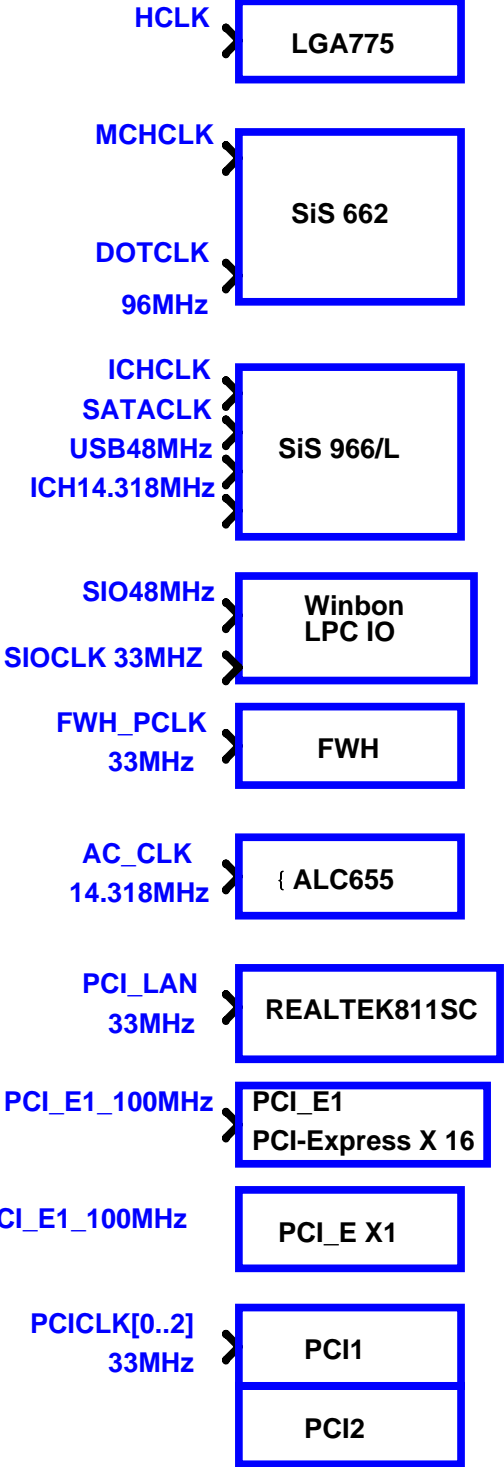
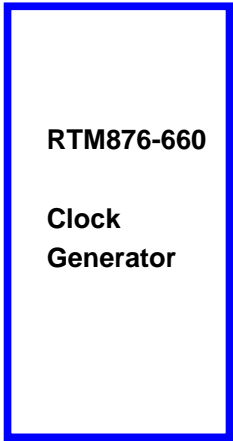
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System Reset Diagram



CLOCK MAP



List Of Change

0A----->1.0 2006.05.18

- 1. EC21 change ASM COMM
- 2. Remove R176 R177 R178 R179 RN27 RN21 R236 R237
- 3. Remove SIO Sensor for VCC3 -- LPC_+3VIN
- 4. R148 chagne to 100 1%ohm
- 5. NBVREF change to 0.67.VTT 49.9 to 100ohm
- 6. Change the power solution of the 1.8V for NB&SB
- 7. Add resistors from 5VCC } 5VDIMM to GND
- 8. Add D21 for MS11 application
- 9. Remove Debug Port : JLPC1
- 10. Follow PM's request ,change Connectors NEW PN
- 11. Remove PCREQ#
- 11. Remove PCREQ#

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