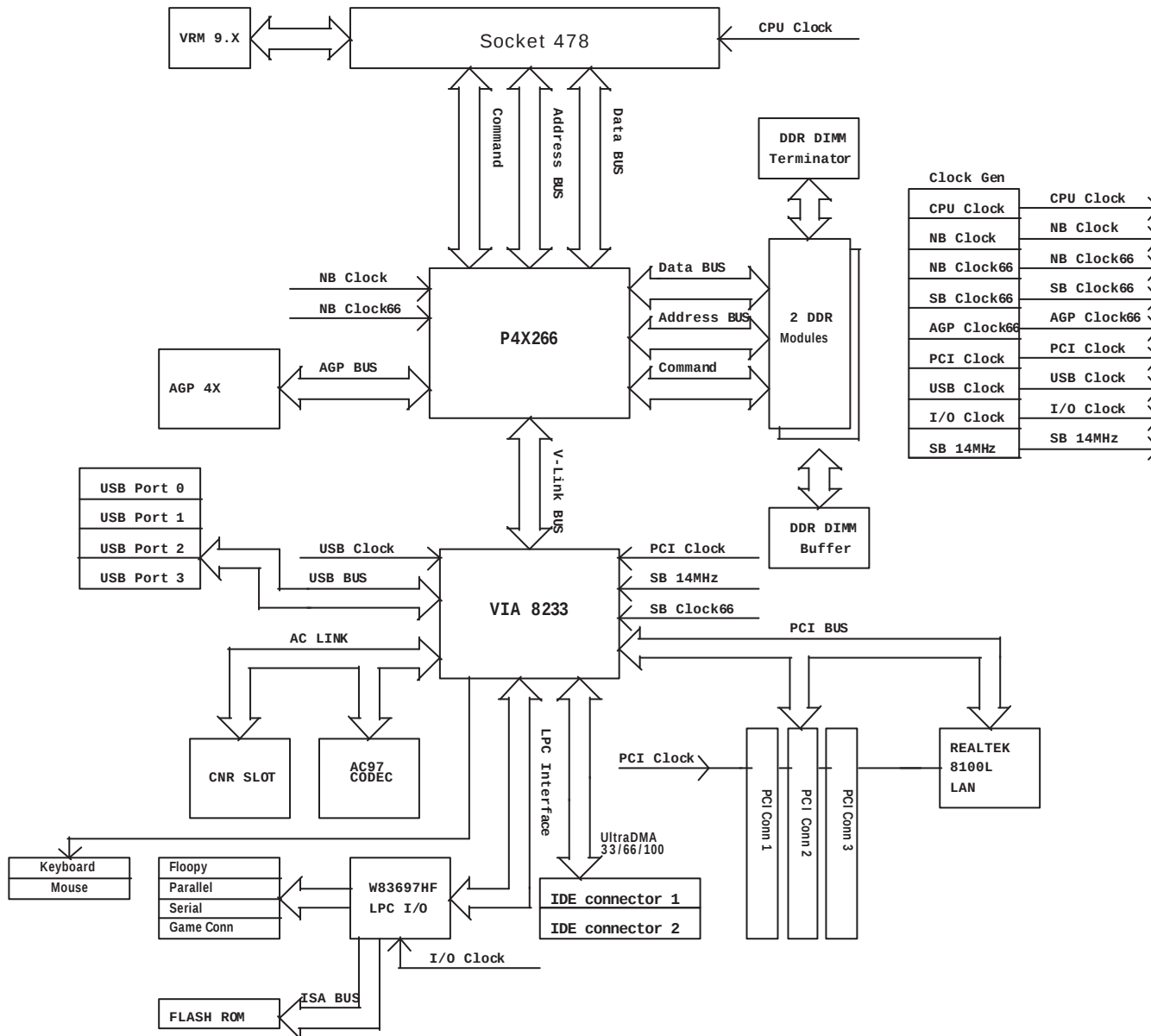


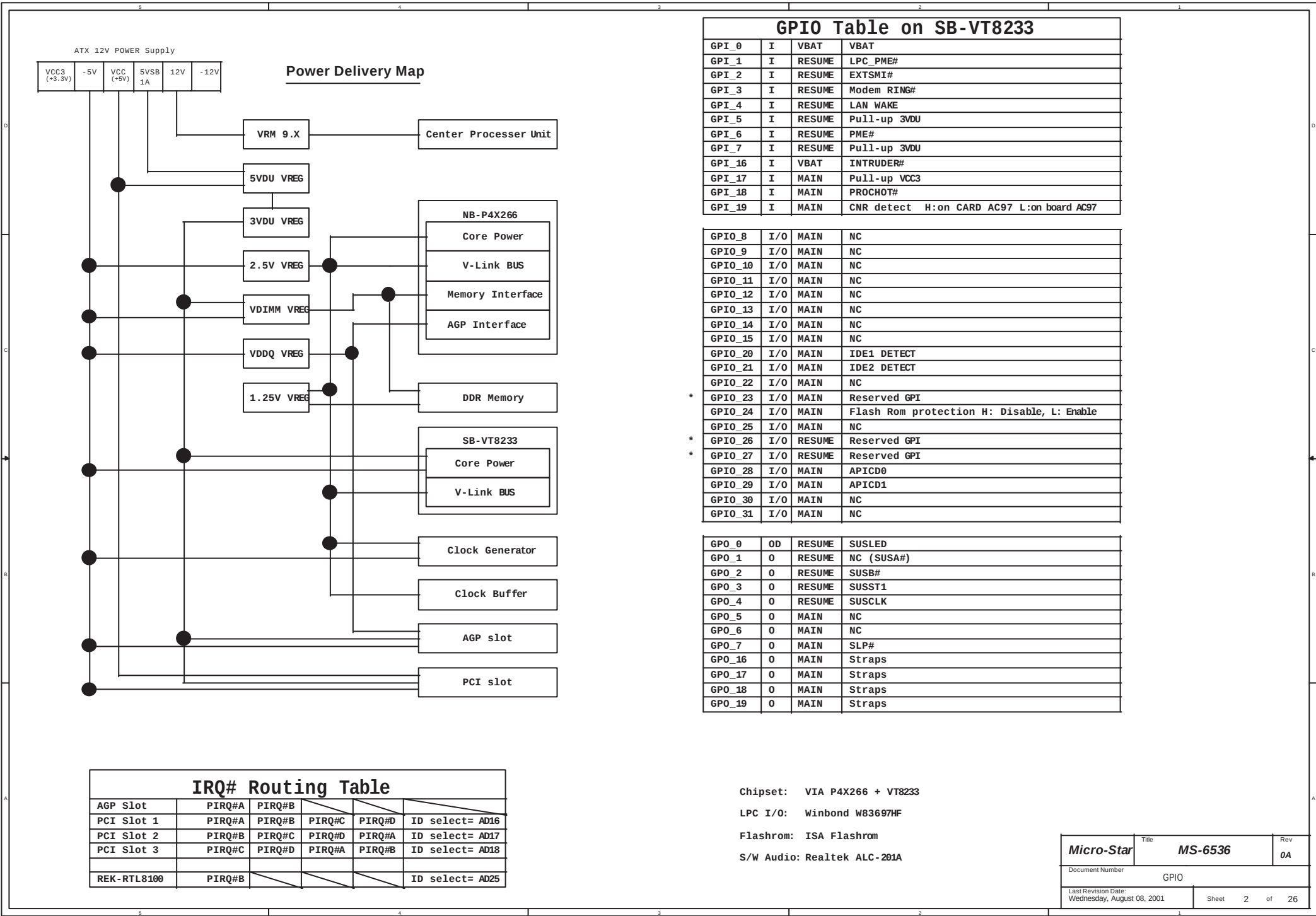
MS-6536

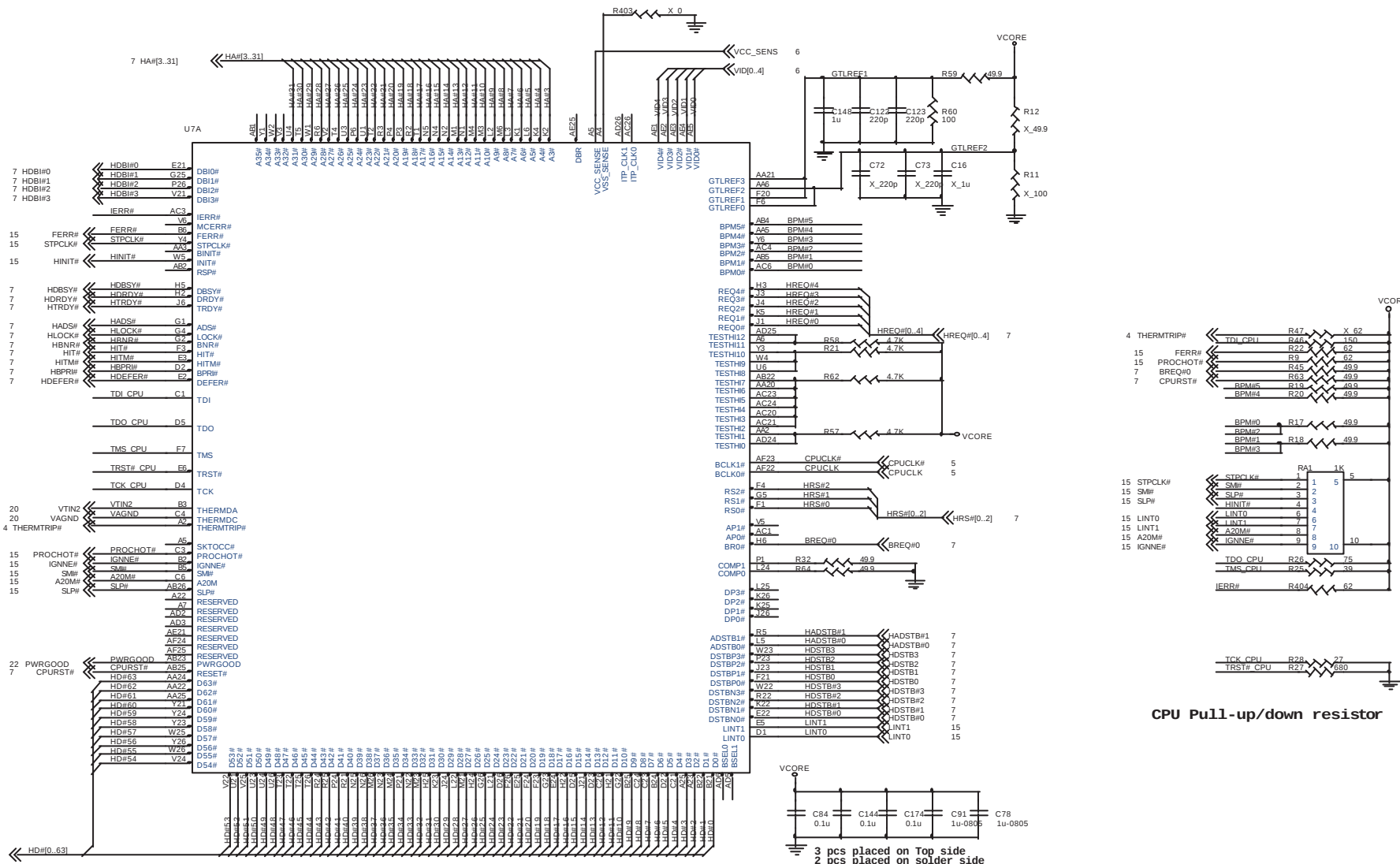
Version 0A



- 01-Block drigrane & Cover sheet
- 02-Power Delivery & GP I/O
- 03-Willamette 478 CPU part 1
- 04-Willamette 478 CPU part 2
- 05-Main Clock & DDR Clock buffer
- 06-VRM 9.X
- 07-P4X266 part 1 & 4
- 08-P4X266 part 2
- 09-P4X266 part 3
- 10-AGP slot & Pull-UP/DN resistor
- 11-DIMM 1 & 2
- 12-DDR terminator & regulator
- 13-VT8233 PART 1 & USB PORT
- 14-VT8233 PART 2
- 15-VT8233 PART 3
- 16-PCI slot 1 & 2 & 3
- 17-AC97 CODEC
- 18-CNR/GAME/Front Audio
- 19-ATA66/100 CONNECTOR & KEYBOARD / MOUSE
- 20-Windbond W83697HF LPC I/O & Flash ROM.
- 21-Com/Parallel port
- 22-ATX POWER COM & FRONT PANEL
- 23-Main Power
- 24-Decoupligb capacitor
- 25-REALTEK 8100L LAN
- 26-MANUAL

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Document Number	COVER SHEET	
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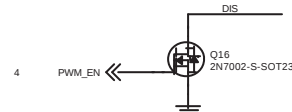
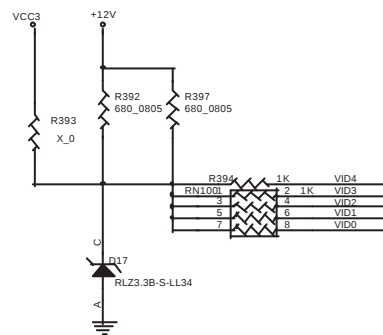


CPU Pull-up/down resistor

Micro-Star	Title	MS-6536	Rev	0A
	Document Number	FCPGA 478-1		
Last Revision Date: Monday, August 13, 2001		Sheet	3	of 26

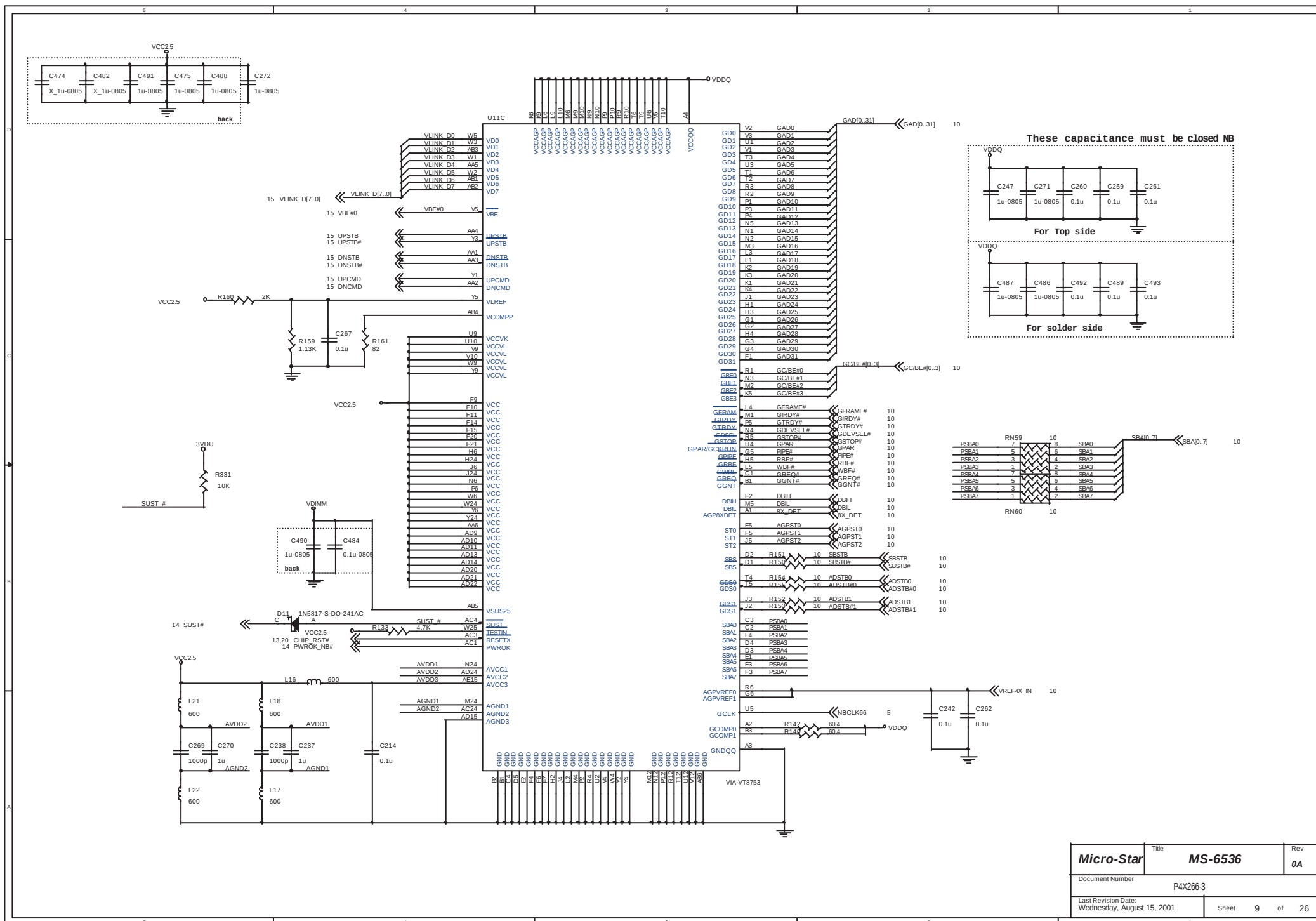
VID4	VID3	VID2	VID1	VID0	VDC(V)
1	0	1	1	0	1.30
1	0	0	0	1	1.425
1	0	0	0	0	1.45
0	1	1	1	1	1.475
0	1	1	1	0	1.500
0	1	1	0	1	1.525
0	1	1	0	0	1.550
0	1	0	1	1	1.575
0	1	0	1	0	1.600
0	1	0	0	1	1.625

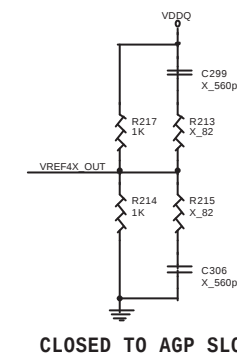
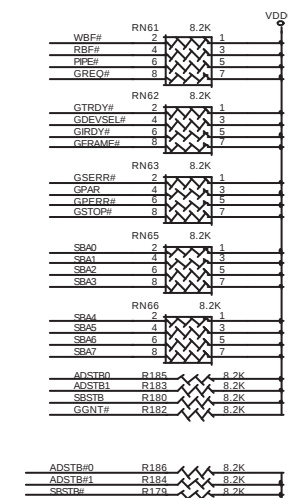
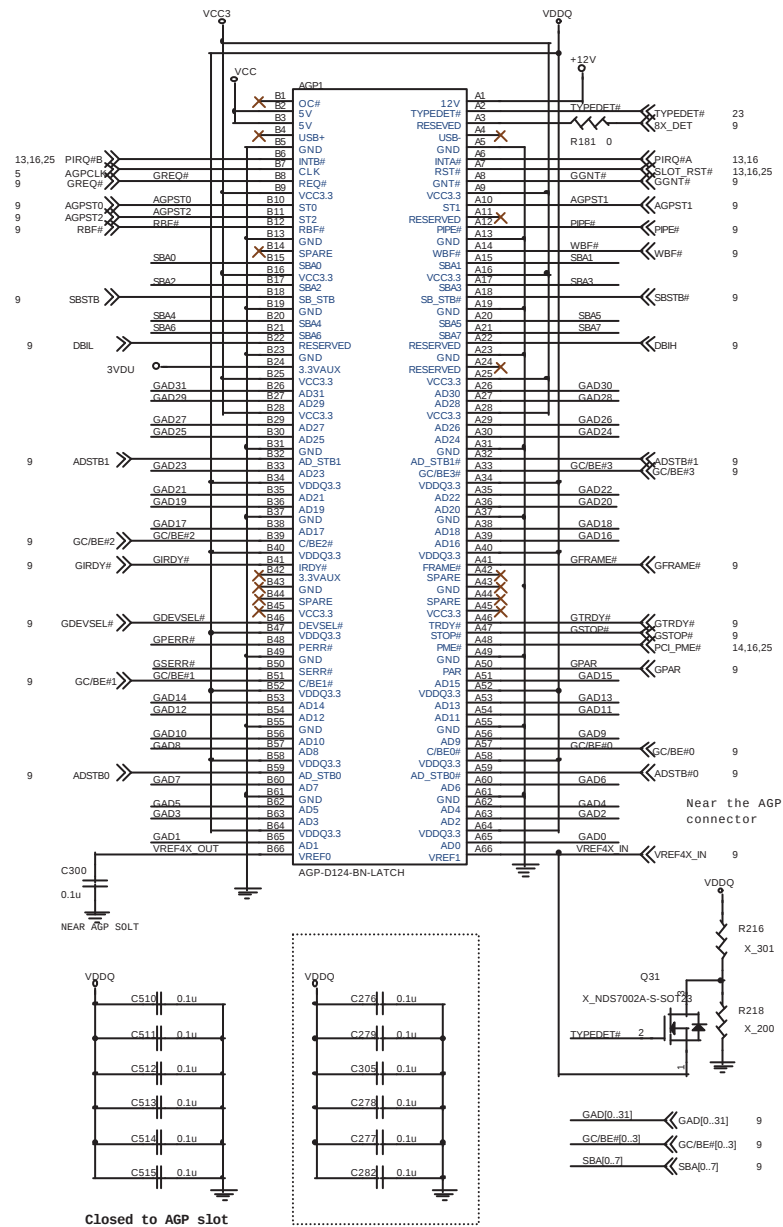
VID4	VID3	VID2	VID1	VID0	VDC(V)
0	1	0	0	0	1.650
0	0	1	1	1	1.675
0	0	1	1	0	1.70
0	0	1	0	1	1.725
0	0	1	0	0	1.75
0	0	0	1	1	1.775
0	0	0	1	0	1.80
0	0	0	0	1	1.825
0	0	0	0	0	1.85
1	1	1	1	1	OFF

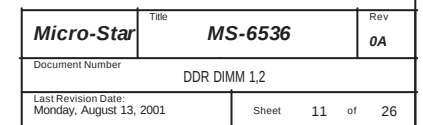
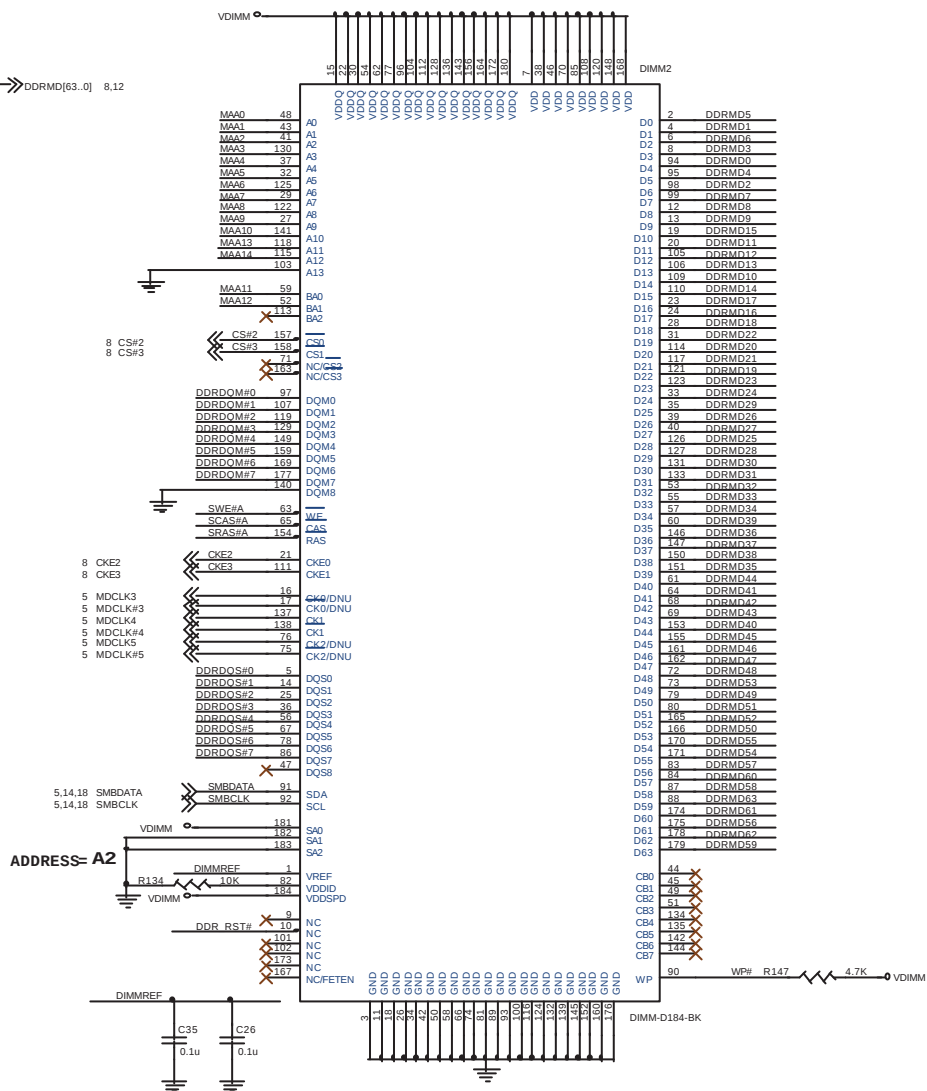


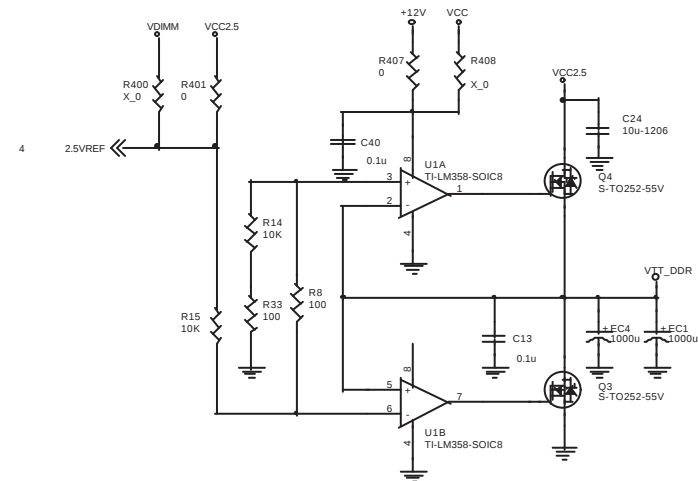
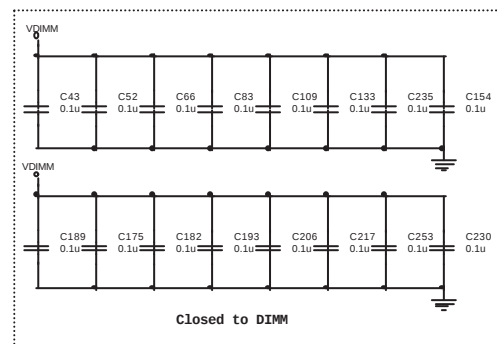
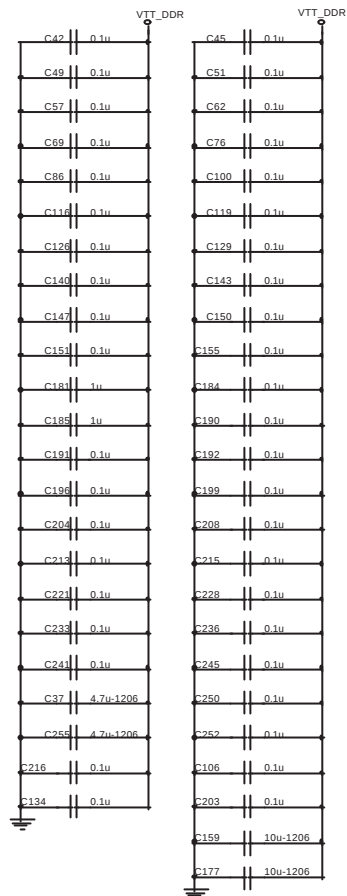
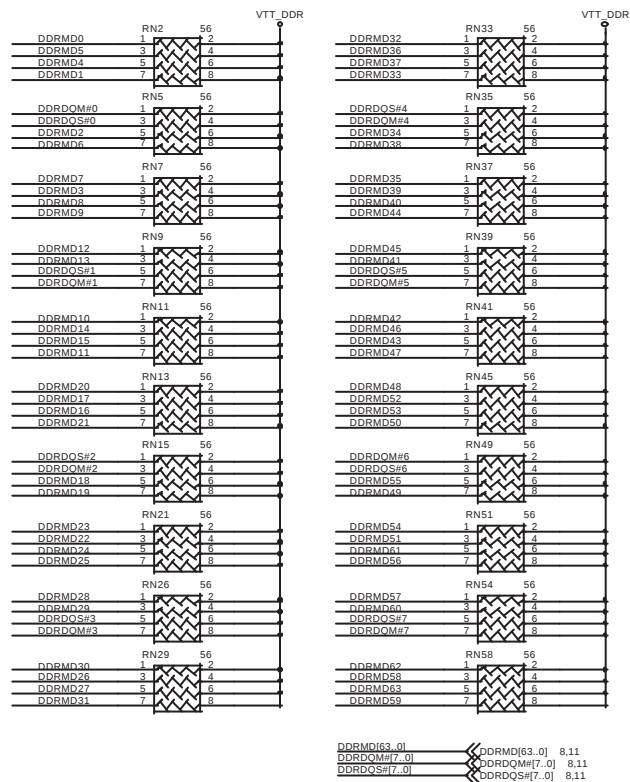
NOTE: INSIDE ON CPU SOCKET.

Micro-Star	Title	MS-6536	Rev	0A
Document Number	VRM 9.X			
Last Revision Date: Tuesday, August 14, 2001	Sheet 6 of 26			

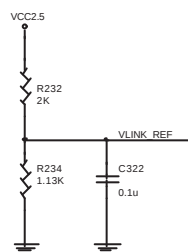




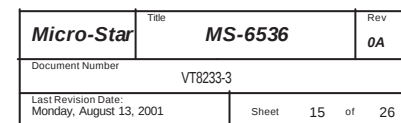


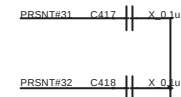
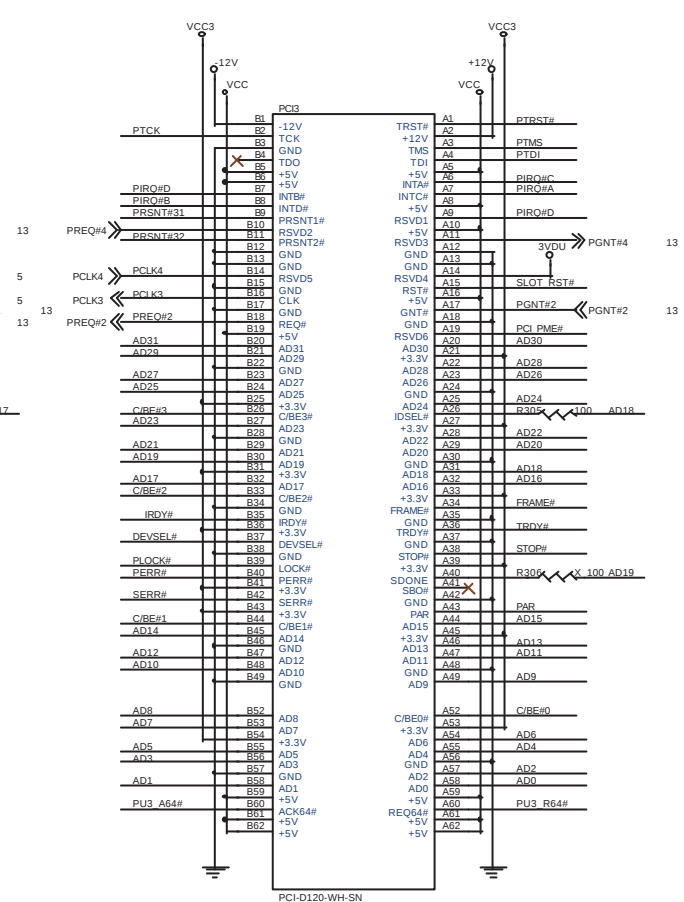


Micro-Star	Title	MS-6536	Rev	0A
	Document Number	DDR TERMINATOR & REGULATOR		
Last Revision Date:		Monday, August 13, 2001	Sheet	12 of 26

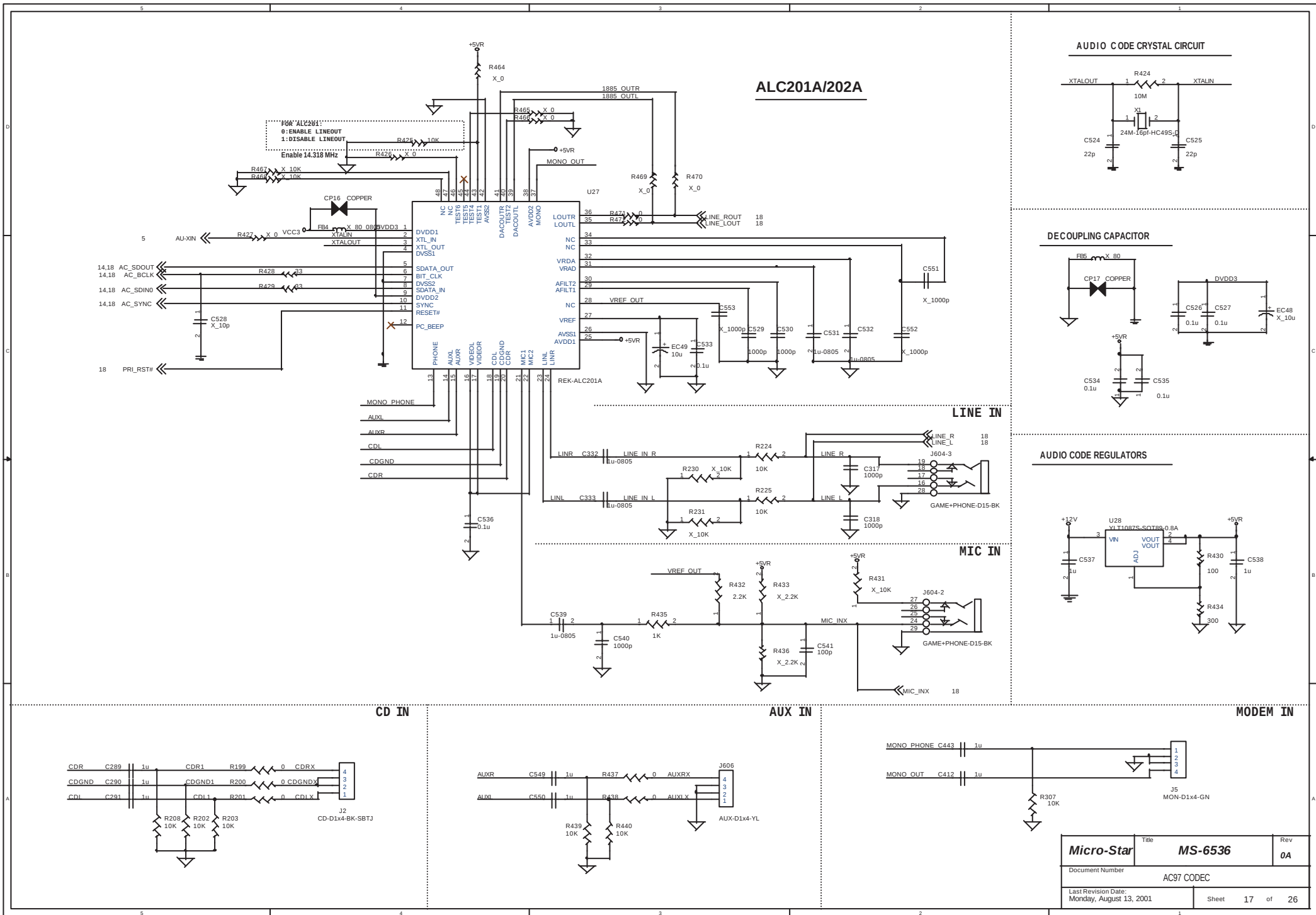


14 SB_BAT >>> SB_BAT
C410
0.01u
CLOSE TO VT8233

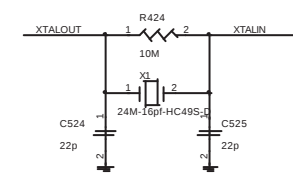




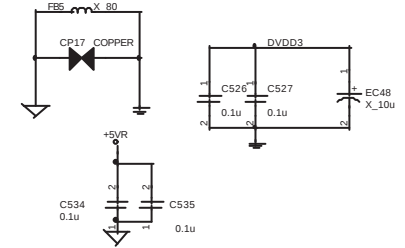
Micro-Star	Title MS-6536	Rev 0A
Document Number PCI SLOTS		
Last Revision Date: Tuesday, August 14, 2001		Sheet 16 of 26



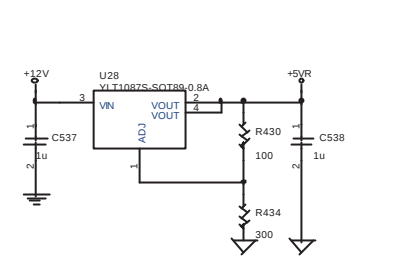
AUDIO CODE CRYSTAL CIRCUIT



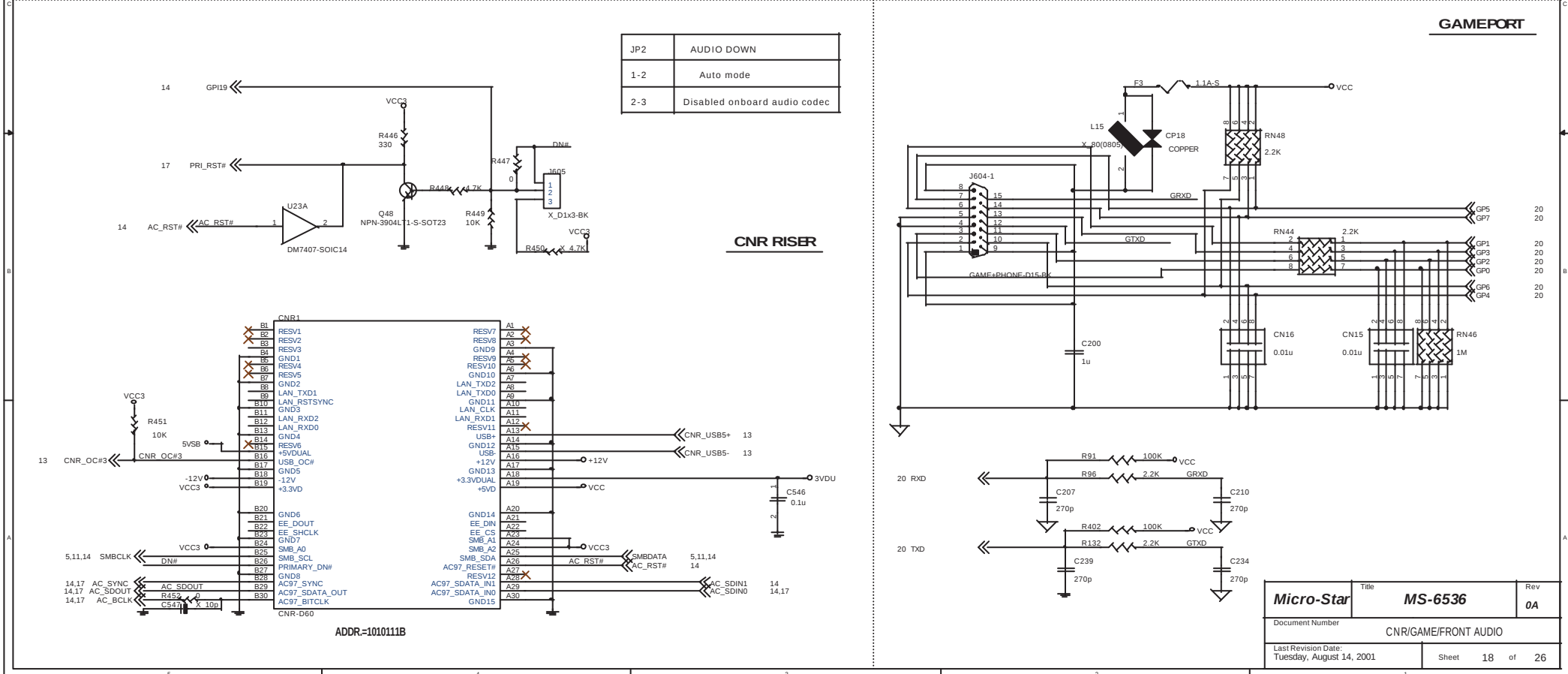
DECOUPLING CAPACITOR



AUDIO CODE REGULATORS



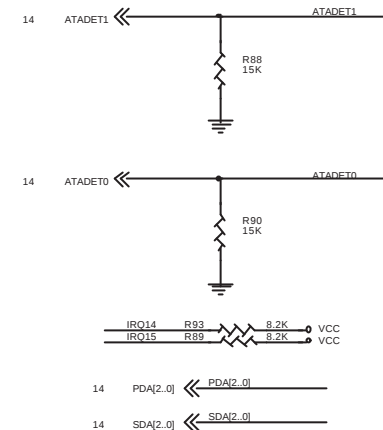
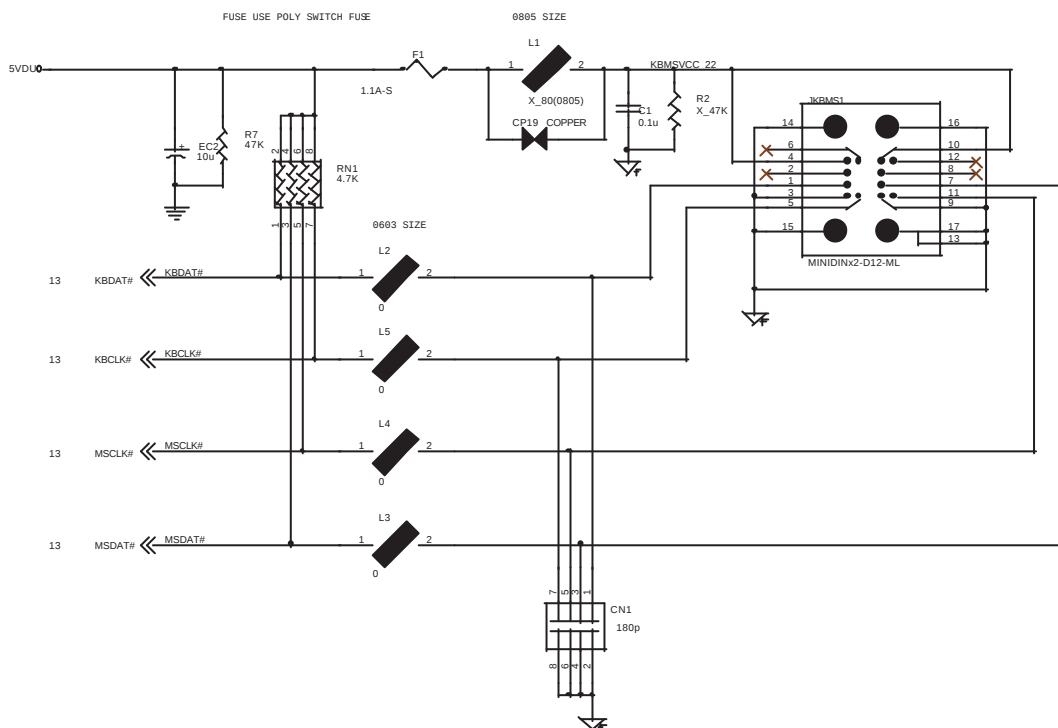
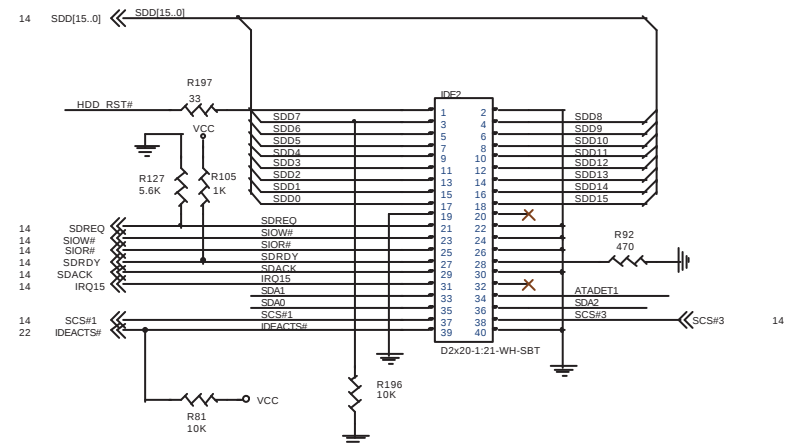
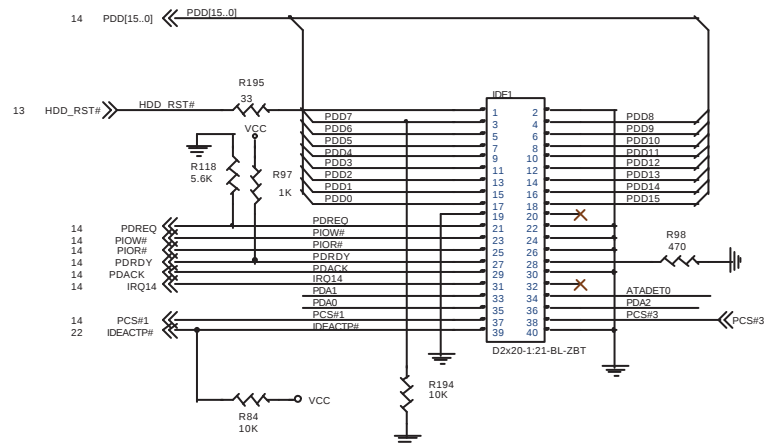
Micro-Star	Title	MS-6536	Rev	0A
Document Number	AC97 CODEC			
Last Revision Date:	Monday, August 13, 2001			
Sheet	17	of	26	



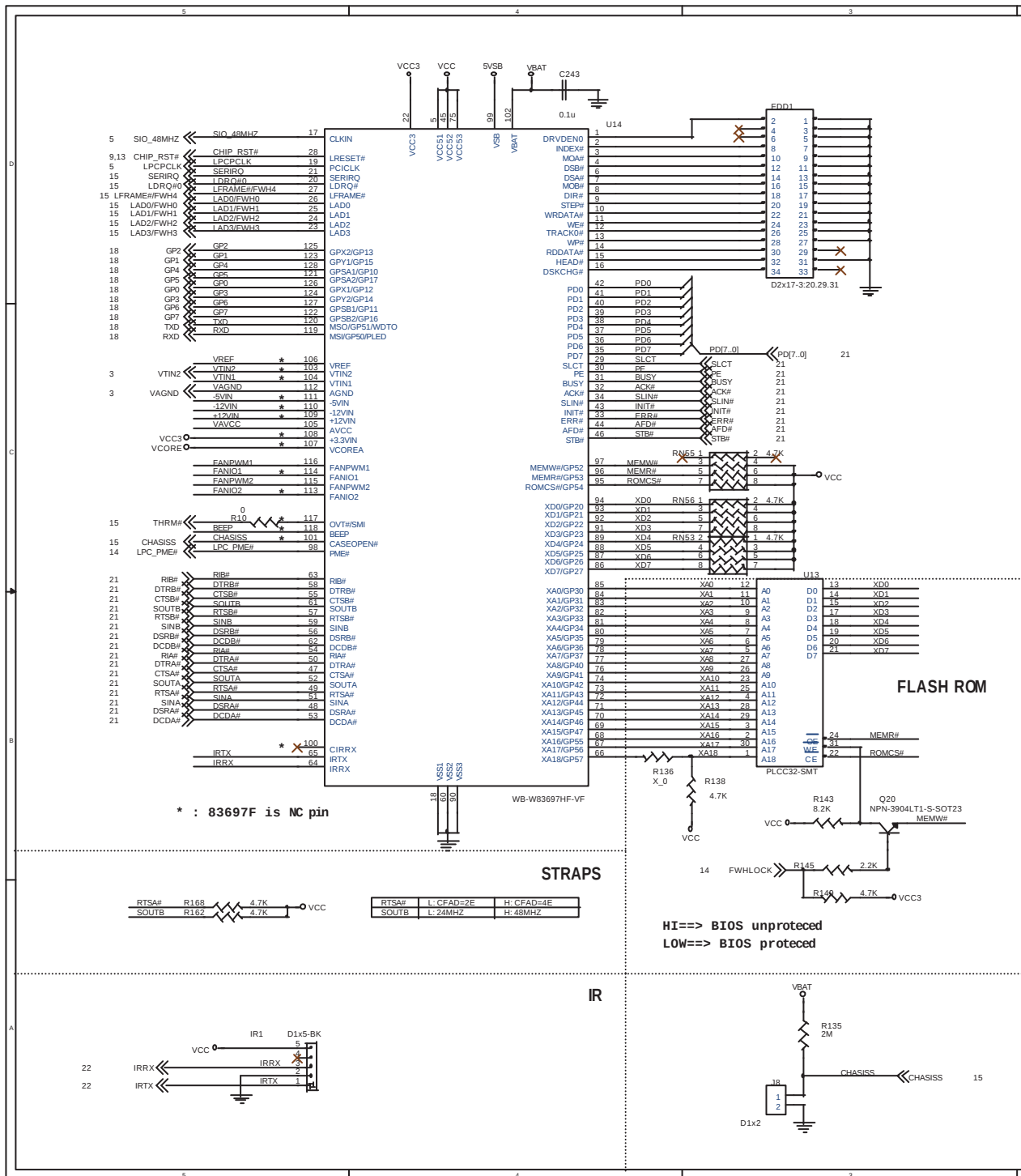
The schematic diagram illustrates the electrical connections for the MS-6536 board. The main circuit includes a power supply section with a 1.1A fuse (F3) and a 100K resistor (R91) connected to VCC. A 2.2K resistor (R96) is connected to GRXD. A 270pF capacitor (C207) is connected to the RXD pin. A 270pF capacitor (C210) is connected to the TXD pin. A 100K resistor (R402) is connected to VCC, and a 2.2K resistor (R132) is connected to GRXD. A 270pF capacitor (C239) is connected to the TXD pin. A 270pF capacitor (C200) is connected to the GRXD pin. A 1uF capacitor (C210) is connected to the TXD pin. A 100K resistor (R91) is connected to VCC, and a 2.2K resistor (R96) is connected to GRXD. A 270pF capacitor (C207) is connected to the RXD pin. A 270pF capacitor (C210) is connected to the TXD pin. A 100K resistor (R402) is connected to VCC, and a 2.2K resistor (R132) is connected to GRXD. A 270pF capacitor (C239) is connected to the TXD pin. A 270pF capacitor (C200) is connected to the GRXD pin. A 1uF capacitor (C210) is connected to the TXD pin.

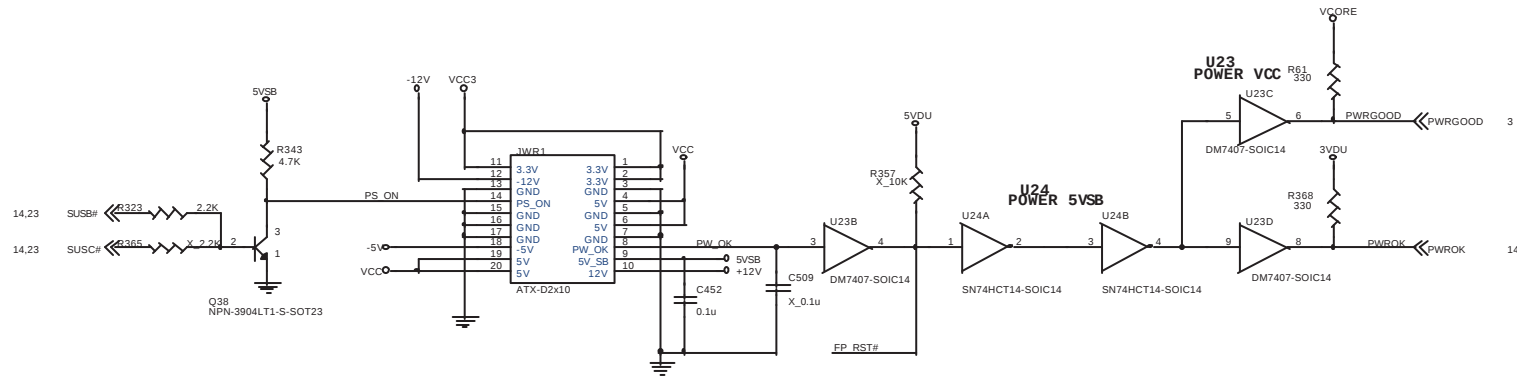
Two detail views are provided: RXD and TXD. The RXD detail shows a 100K resistor (R91) connected to VCC, a 2.2K resistor (R96) connected to GRXD, and a 270pF capacitor (C207) connected to the RXD pin. The TXD detail shows a 100K resistor (R402) connected to VCC, a 2.2K resistor (R132) connected to GRXD, and a 270pF capacitor (C239) connected to the TXD pin. A 270pF capacitor (C210) is connected to the TXD pin. A 100K resistor (R91) is connected to VCC, and a 2.2K resistor (R96) is connected to GRXD. A 270pF capacitor (C207) is connected to the RXD pin. A 270pF capacitor (C210) is connected to the TXD pin. A 100K resistor (R402) is connected to VCC, and a 2.2K resistor (R132) is connected to GRXD. A 270pF capacitor (C239) is connected to the TXD pin. A 270pF capacitor (C200) is connected to the GRXD pin. A 1uF capacitor (C210) is connected to the TXD pin.

Micro-Star	Title	MS-6536	Rev	0A
Document Number		CNR/GAME/FRONT AUDIO		
Last Revision Date: Tuesday, August 14, 2001		Sheet 18 of 26		

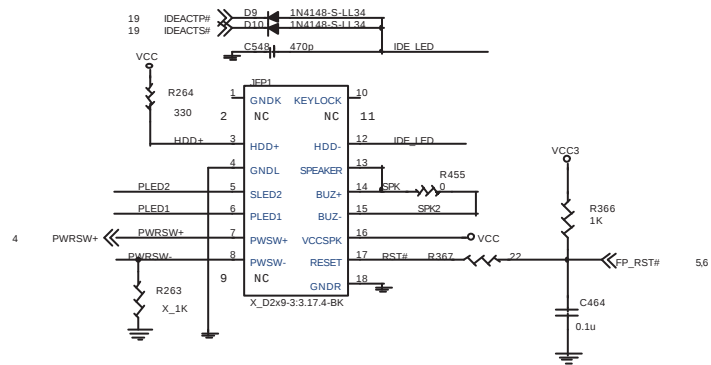


Micro-Star	Title	MS-6536	Rev	0A
	Document Number	IDE & PS/2		
	Last Revision Date:	Monday, August 13, 2001		
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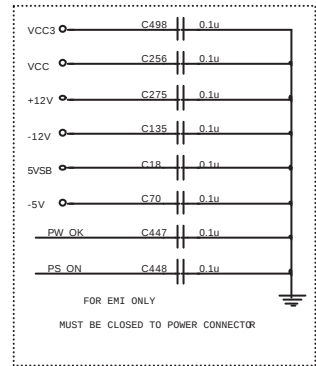
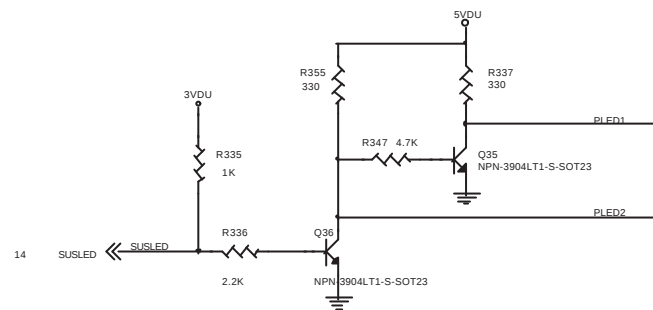




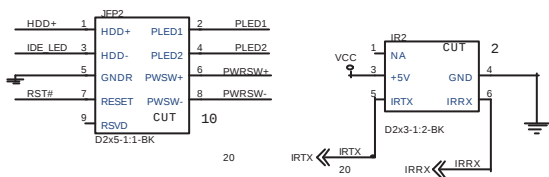
FRONT PANEL-MSI

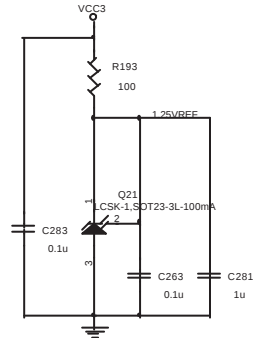


POWER LED

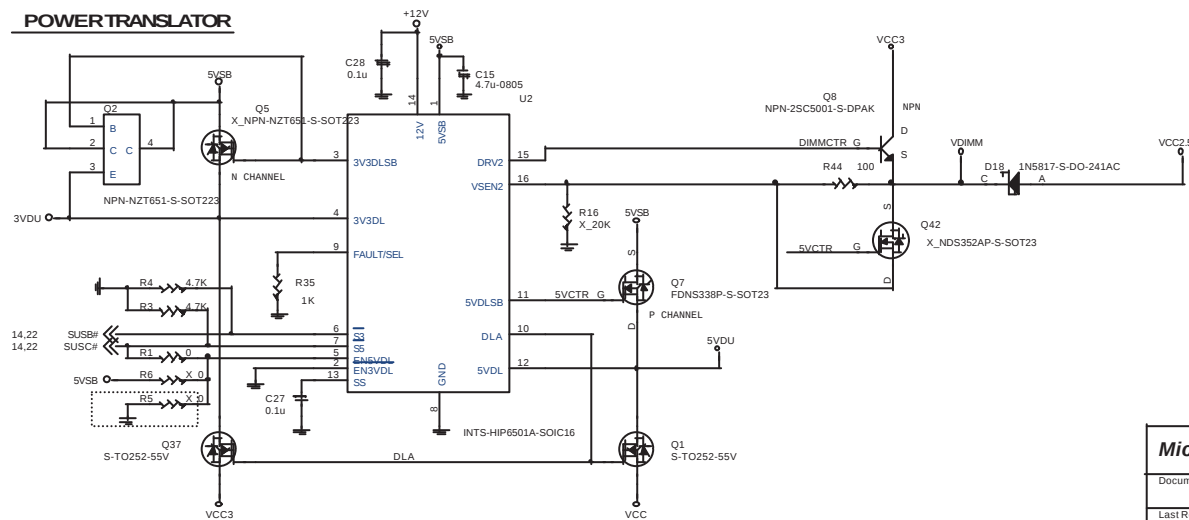


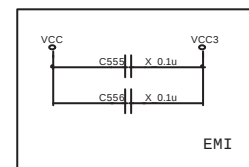
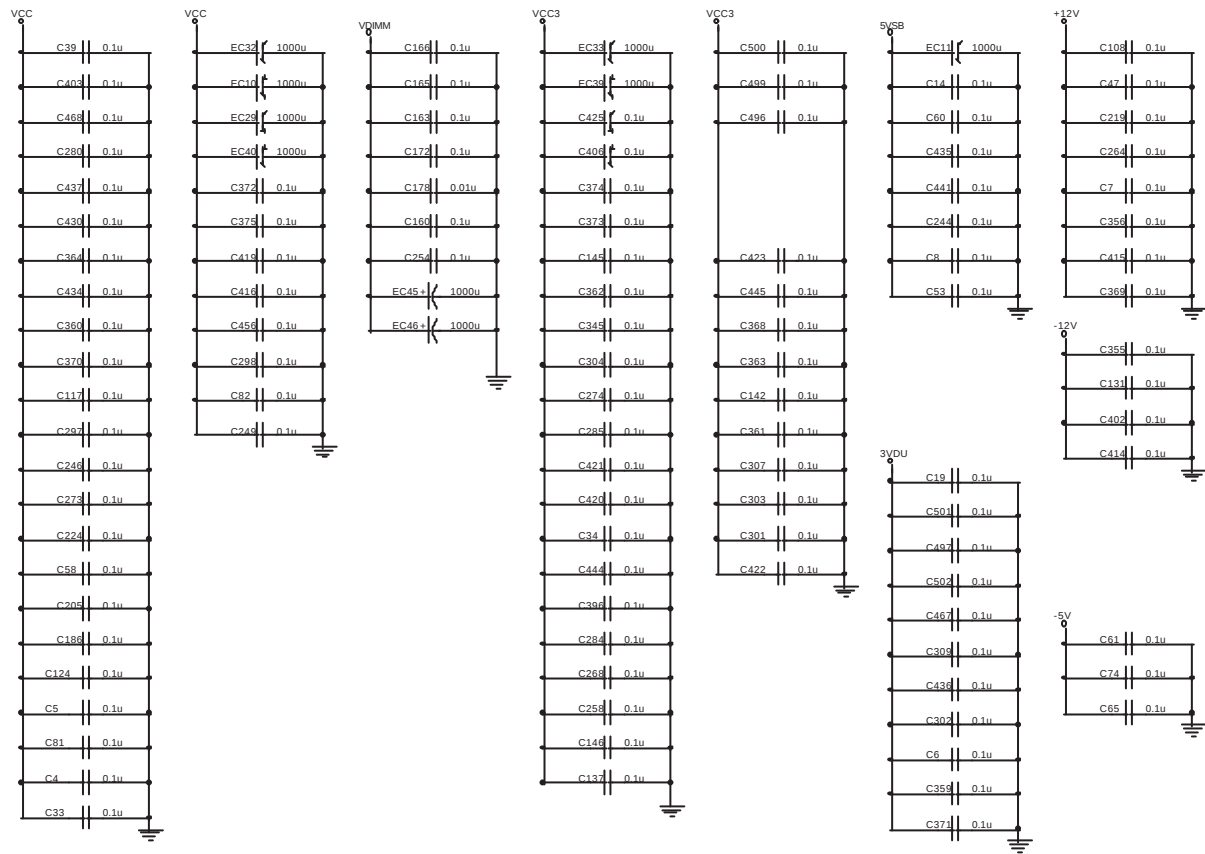
FRONT PANEL-INTEL





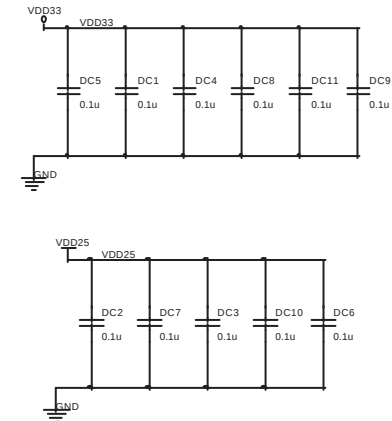
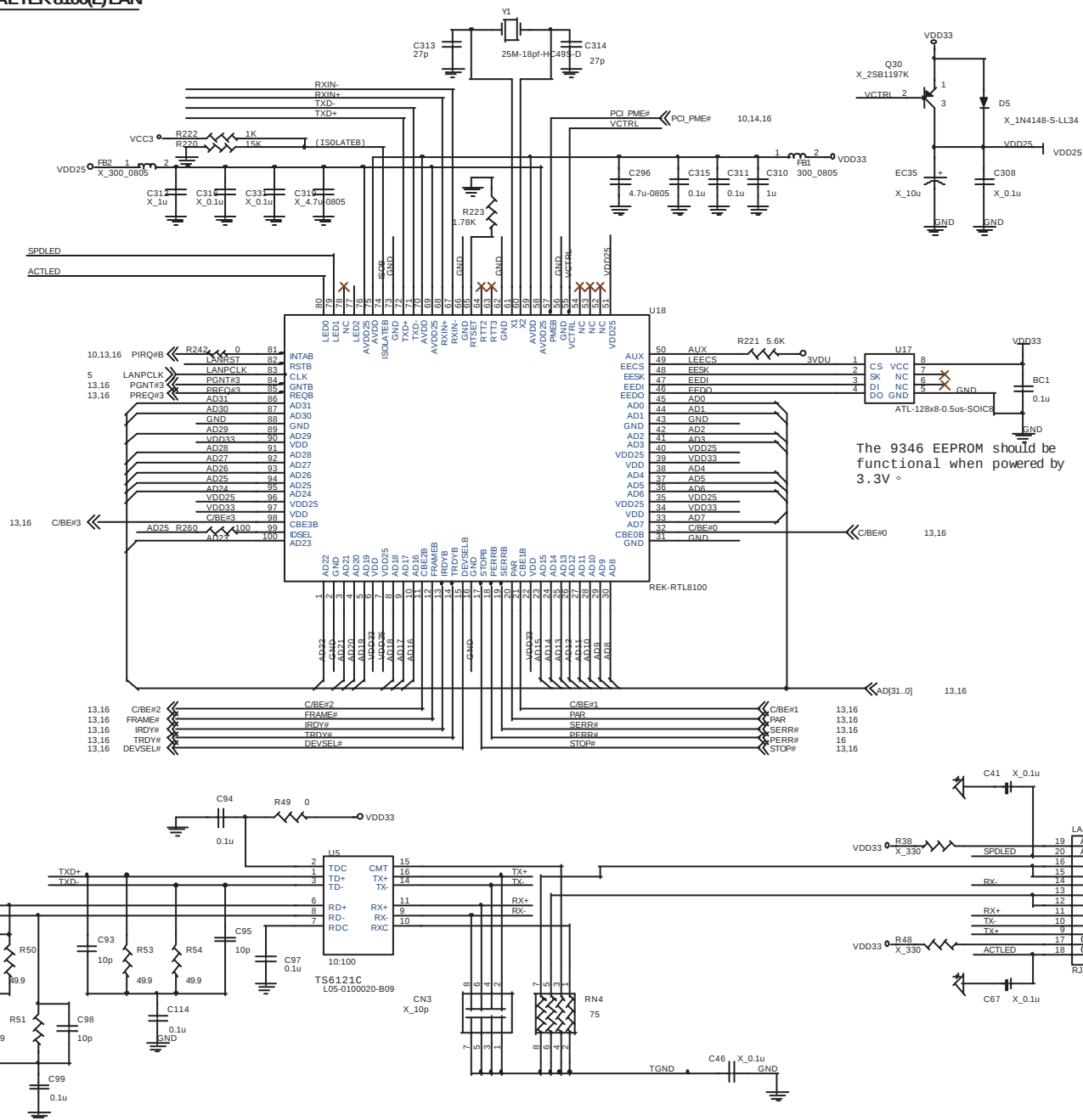
R35= 1K VDIMM2.5V



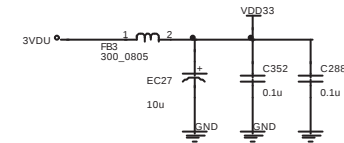


Micro-Star	Title	MS-6536	Rev	0A
	Document Number	DECOUPLING CAP		
	Last Revision Date:	Monday, August 13, 2001		
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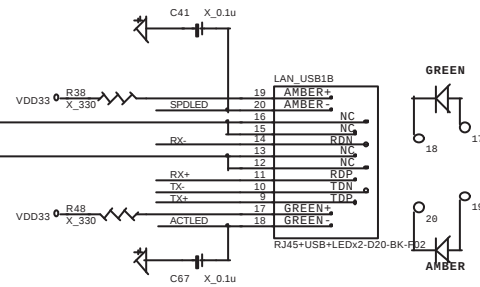
REALTEK 8100(L) LAN



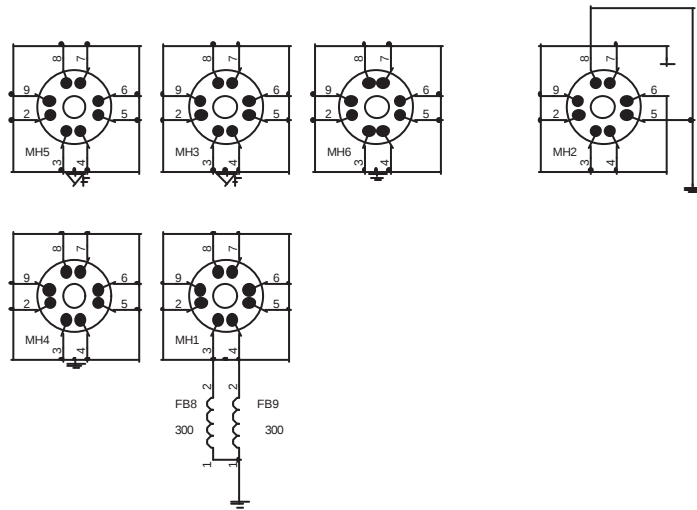
DE-COUPLE CAPS OF RTL8100 MUST BE
PLACED AS CLOSE TO CHIP AS POSSIBLE.



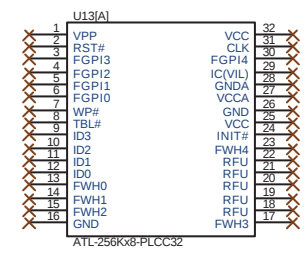
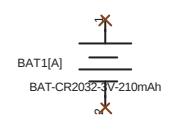
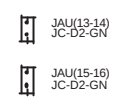
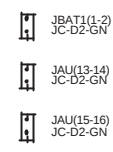
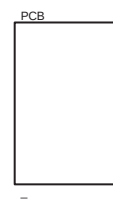
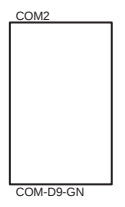
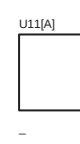
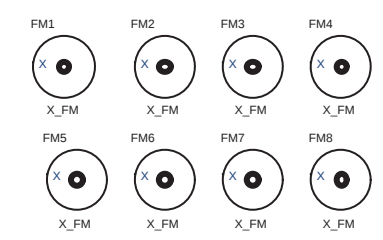
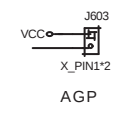
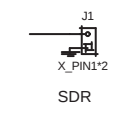
JLAN1/2	LAN SELECT
1-2	ENABLED
2-3	DISABLED



PCB OTHER COMPONENT



SIMULATION TRACE



Micro-Star	Title	MS-6536	Rev	0A
	Document Number	MANUAL		
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