

MS-6390 Ver:30B

VIA KM266 + VT8235 Chipset

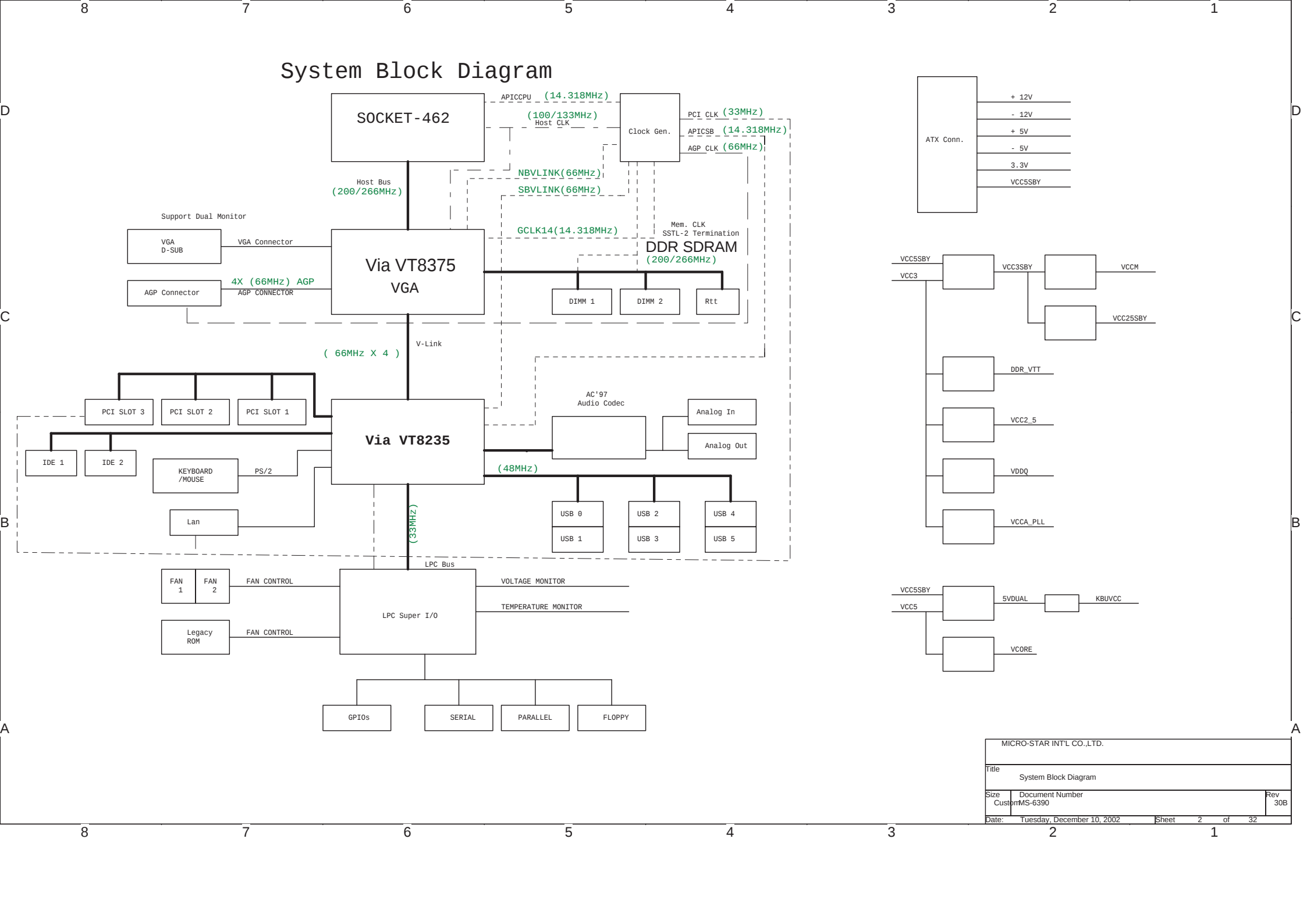
CPU:
AMD Athlon XP / Athlon / Duron Socket 462 Processor

System Chipset:
VIA VT8375 (KM266) + VT8325 CD

On Board Chipset:
LPC Super I/O -- W83697HF
Lan : Via PHY VT6103

Expansion Slots:
AGP 3.0 Slot * 1
DDR Slot * 2
PCI 2.2 Slot * 3
CNR Slot * 1

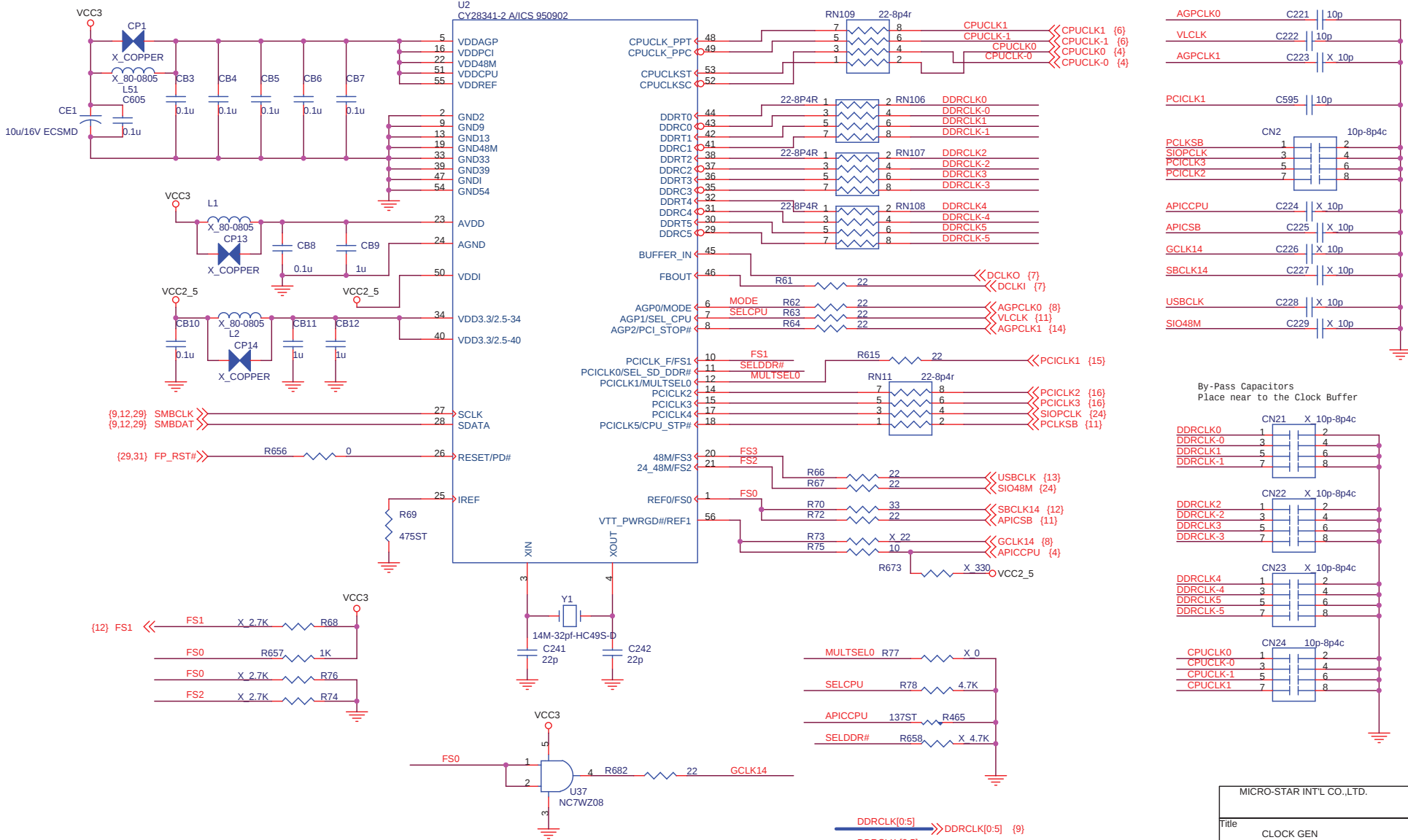
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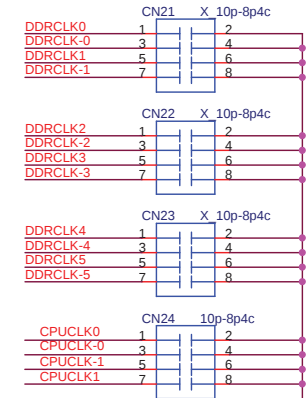
Main Clock Generator

Damping Resistors
Place near to the
Clock Outputs

By-Pass Capacitors
Place near to the Clock Outputs



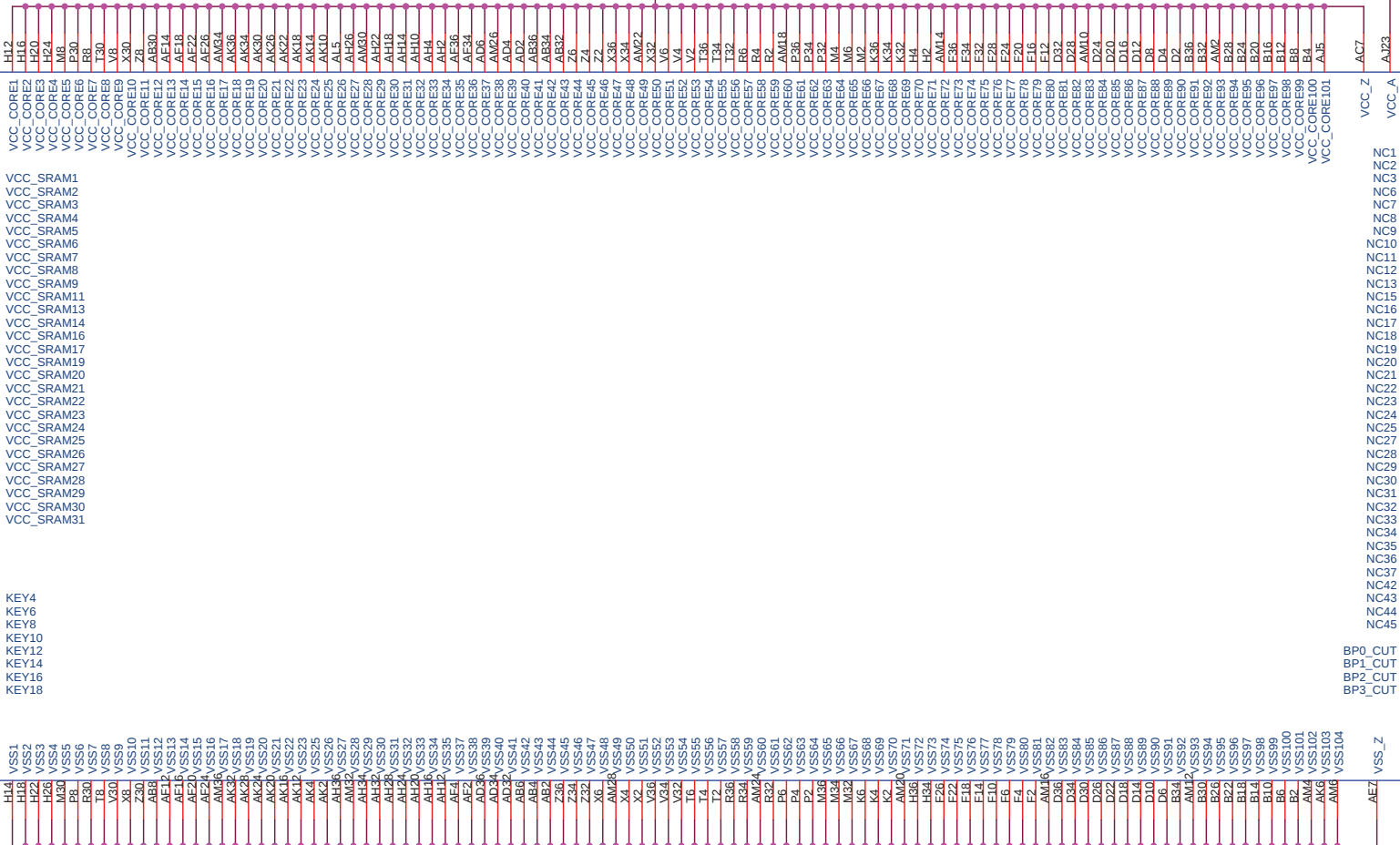
By-Pass Capacitors
Place near to the Clock Buffer



MICRO-STAR INTL CO.,LTD.			
Title CLOCK GEN			
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AD30 VCC_SRAM1
AD8 VCC_SRAM2
AF10 VCC_SRAM3
AF28 VCC_SRAM4
AF30 VCC_SRAM5
AF32 VCC_SRAM6
AF6 VCC_SRAM7
AF8 VCC_SRAM8
AH30 VCC_SRAM9
AH8 VCC_SRAM11
A39 VCC_SRAM13
AK8 VCC_SRAM14
AL9 VCC_SRAM16
AM8 VCC_SRAM17
F30 VCC_SRAM19
F8 VCC_SRAM20
H10 VCC_SRAM21
H28 VCC_SRAM22
H30 VCC_SRAM23
H32 VCC_SRAM24
H6 VCC_SRAM25
H8 VCC_SRAM26
K30 VCC_SRAM27
K8 VCC_SRAM28
A17 VCC_SRAM29
AL7 VCC_SRAM30
AN7 VCC_SRAM31

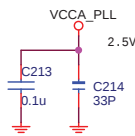
G25 KEY4
G17 KEY6
G9 KEY8
N7 KEY10
Y7 KEY12
AG7 KEY14
AG15 KEY16
AG29 KEY18



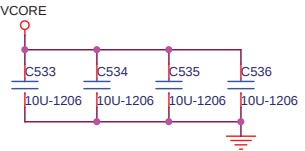
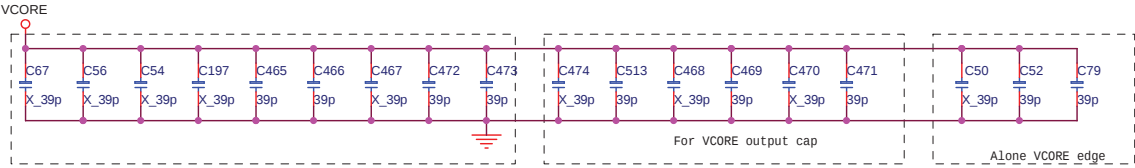
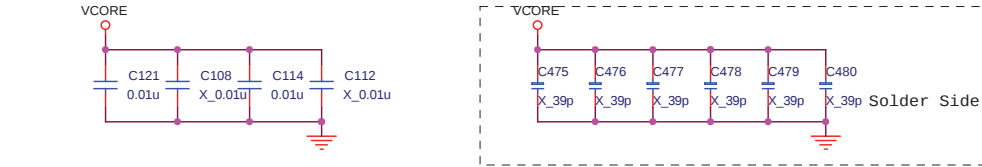
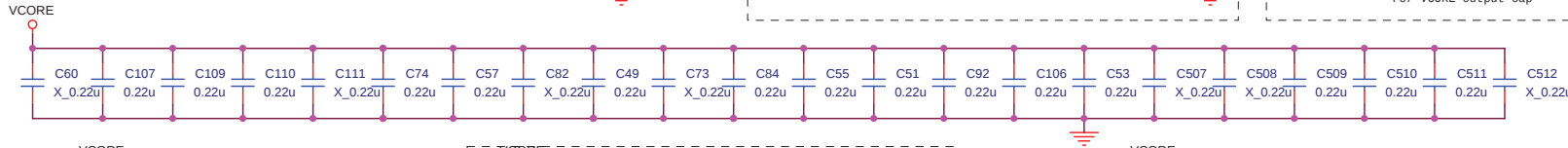
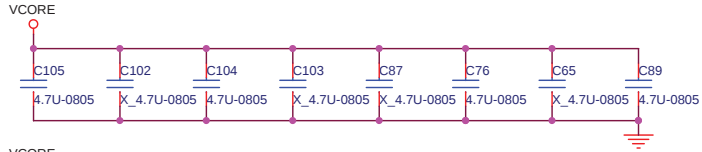
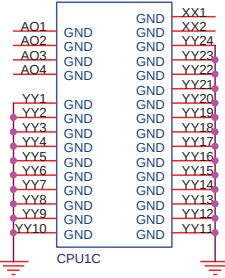
VCCA_PLL
0~100 mA, 2.25~2.75V

CPU1B
Socket 462

ADJUST R87
VALUE FOR EMI.

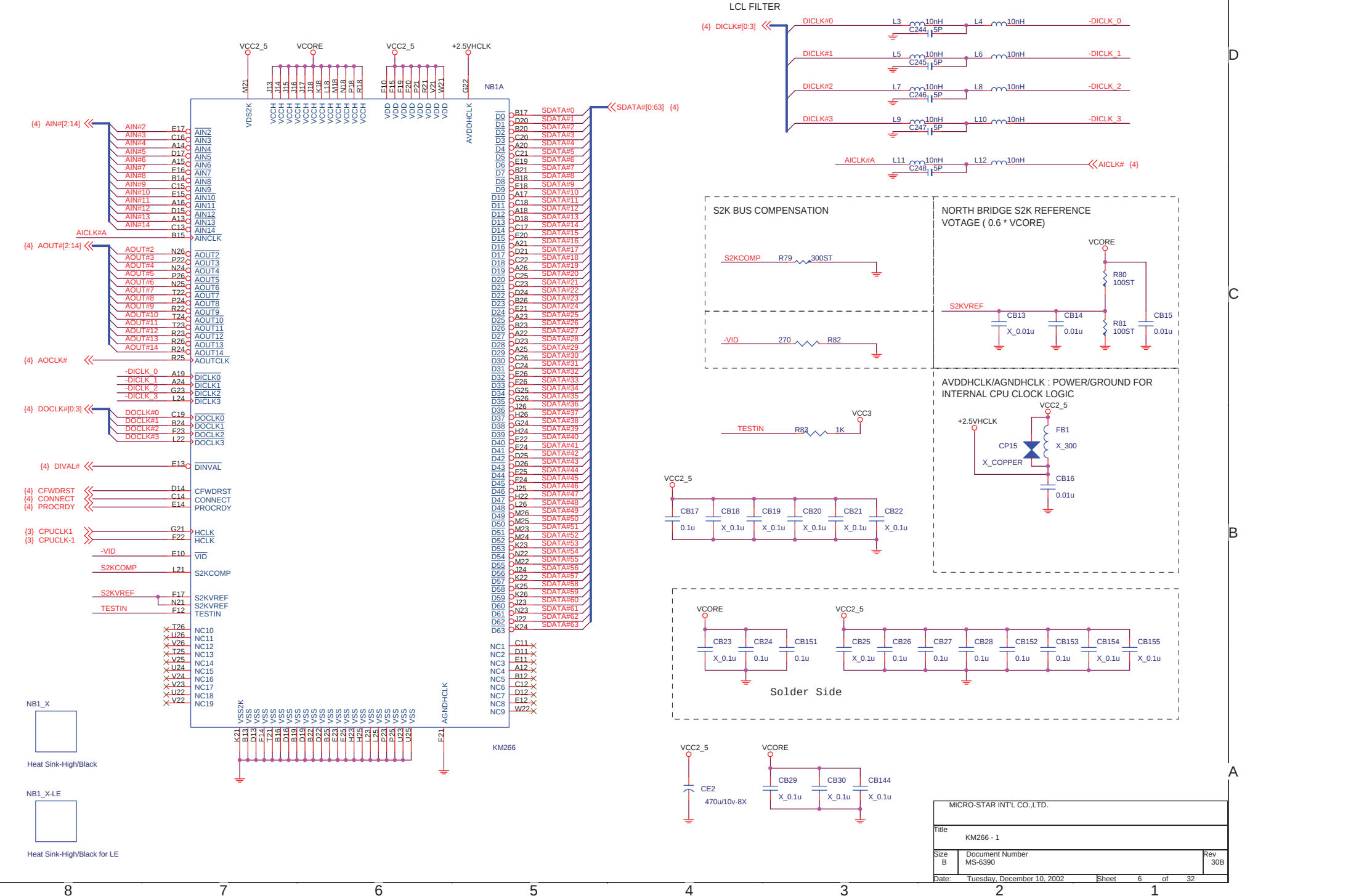


Socket 462



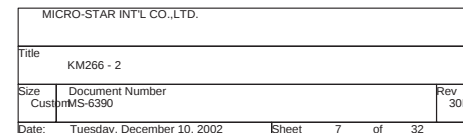
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NORTH BRIDGE 1 of 3 (HOST BUS)



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Title		
KM266 - 1		
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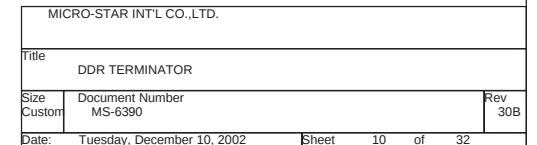
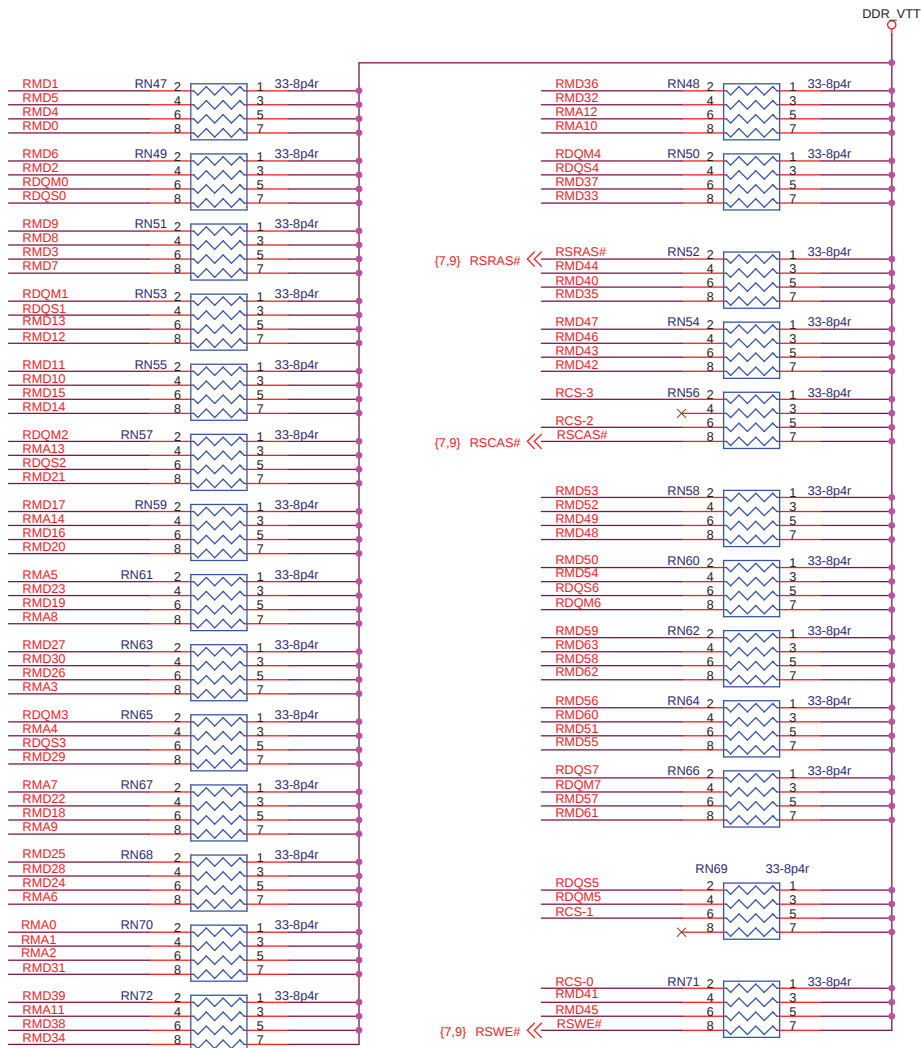
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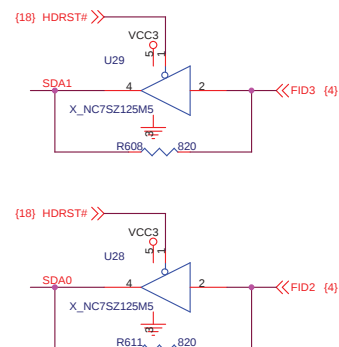
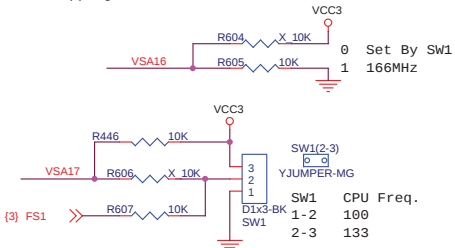
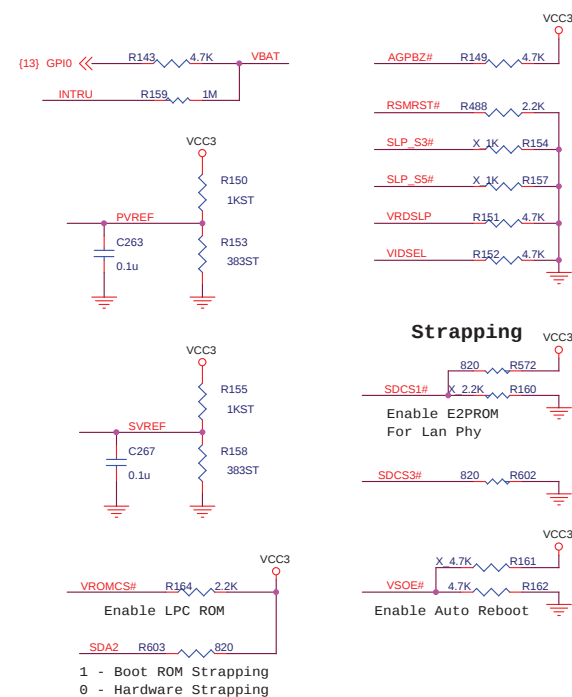
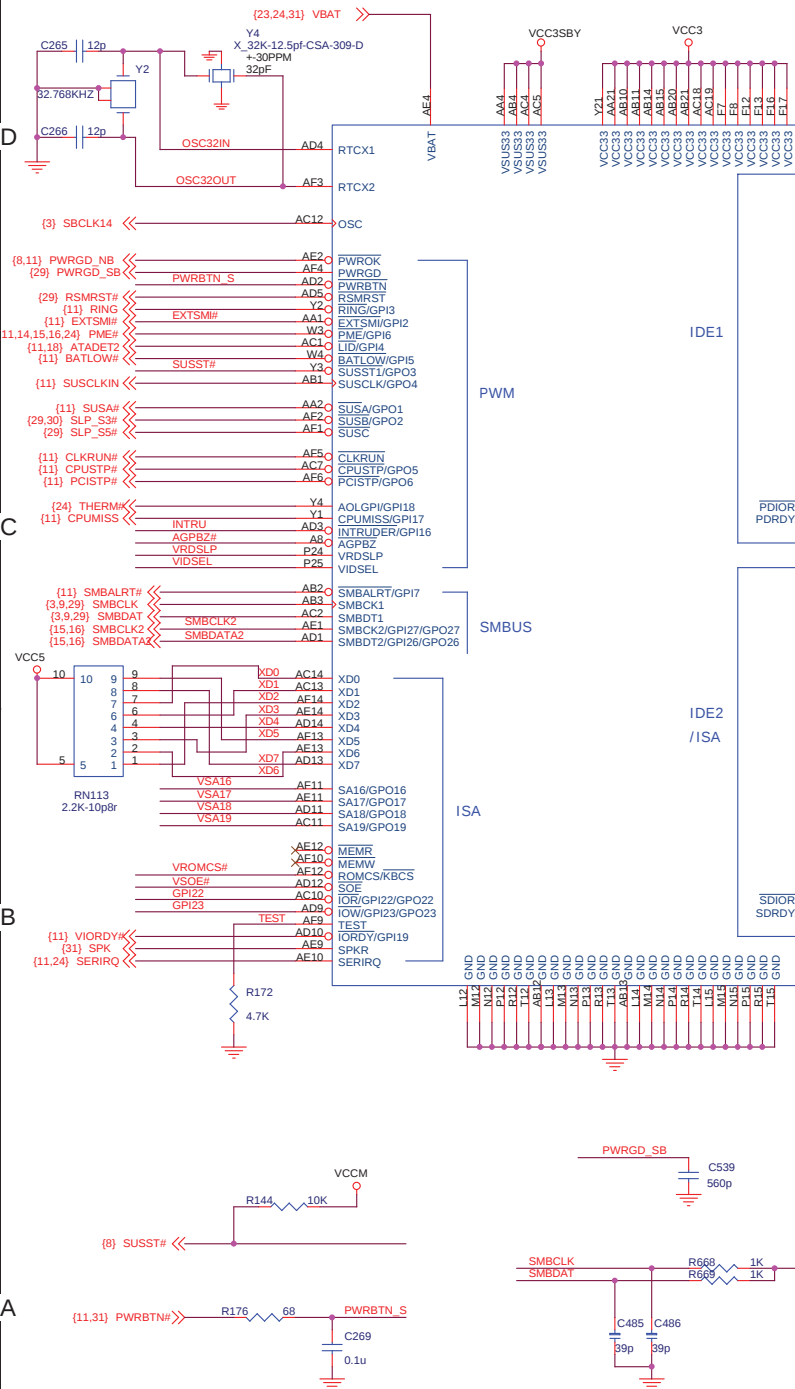
8 7 6 5 4 3 2 1

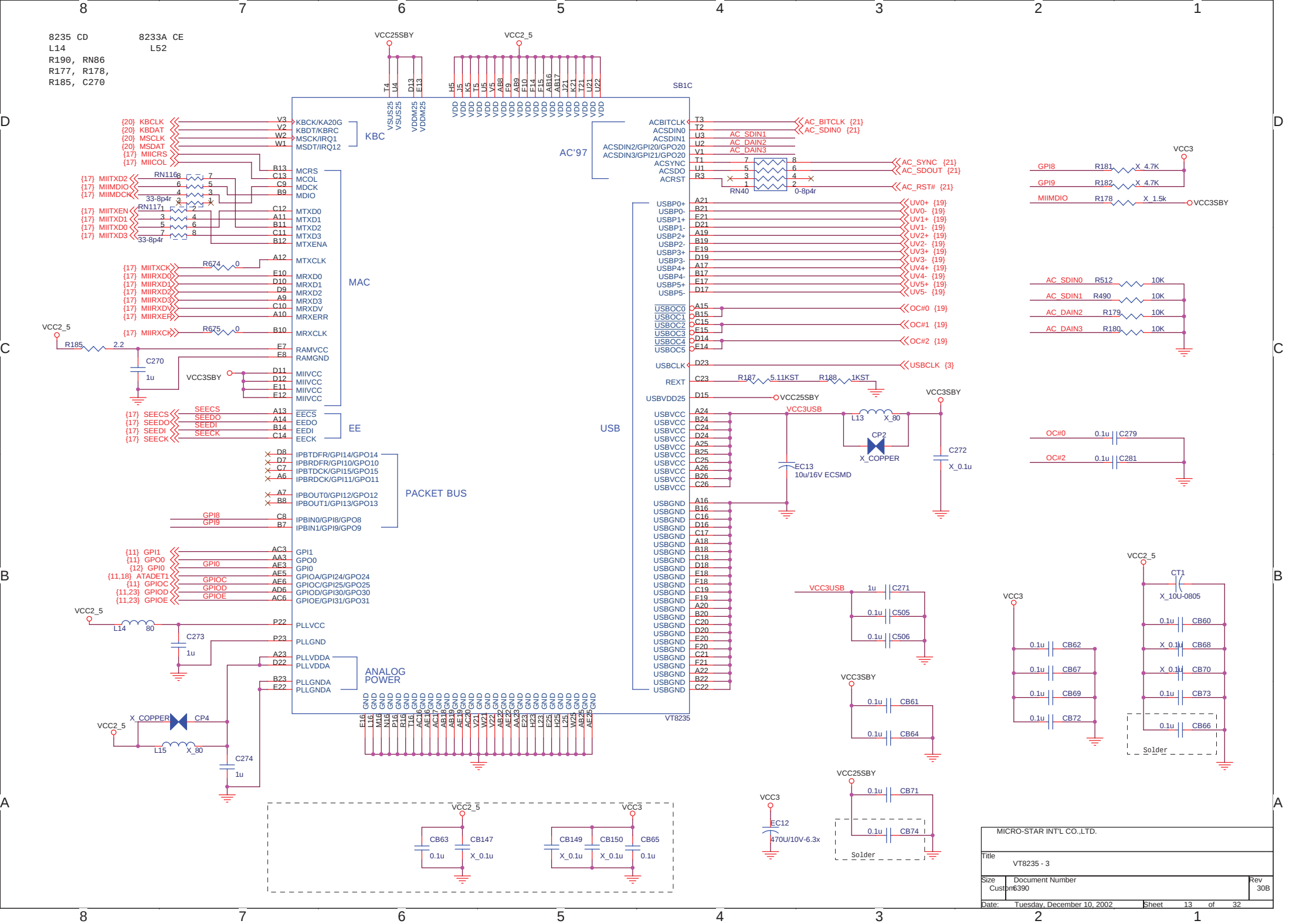


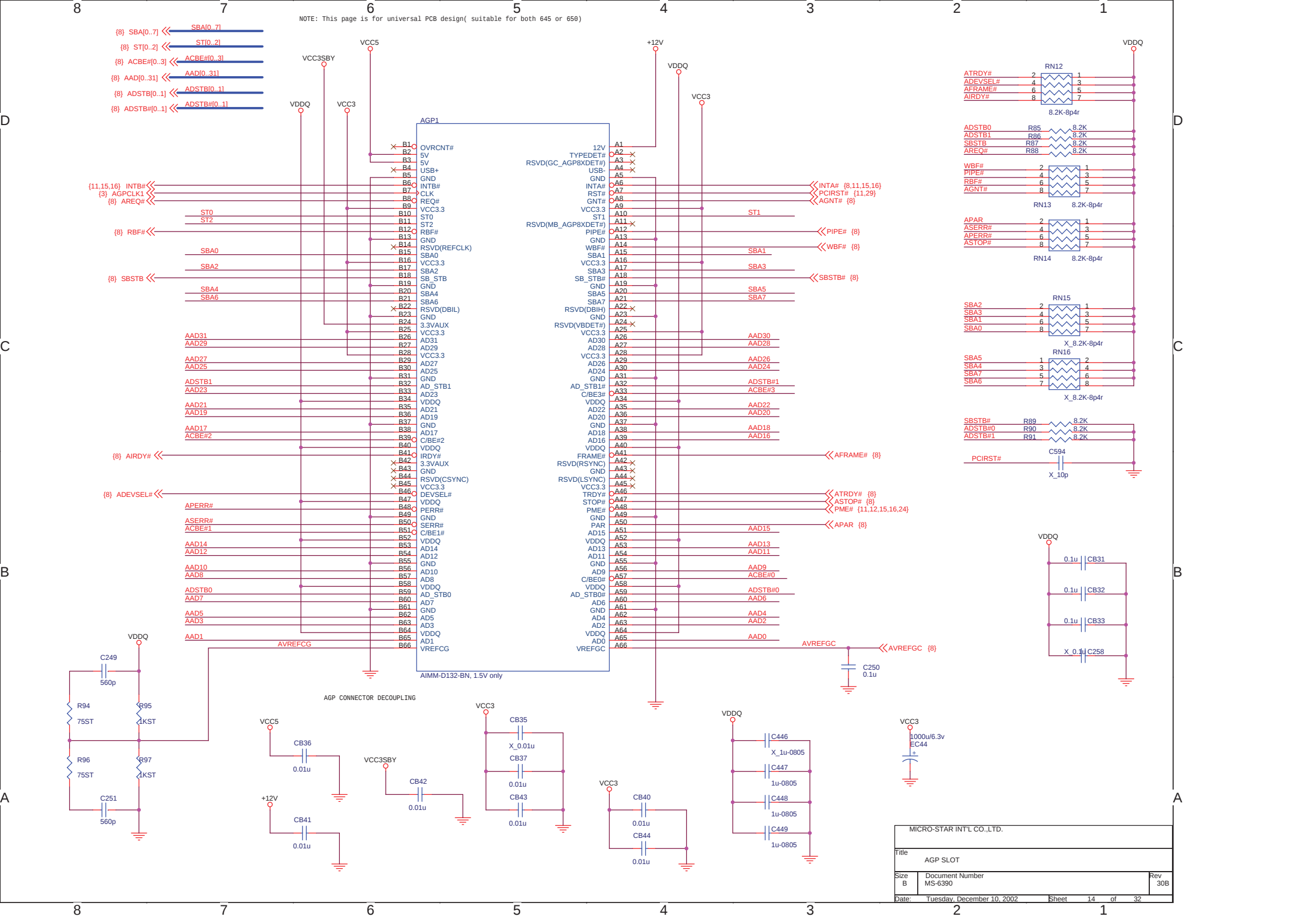
	SDR		DDR		
Q/DQM/(DQS)	LV-CMOS	Rs	SSTL-2	Rs	Rtt
Control	LV-CMOS	0/10/-	SSTL-2	10	47
S	LV-CMOS	10	SSTL-2	0	47
KE	DD 3.3V	0	SSTL-2	0	47
			DD 2.5V	1	

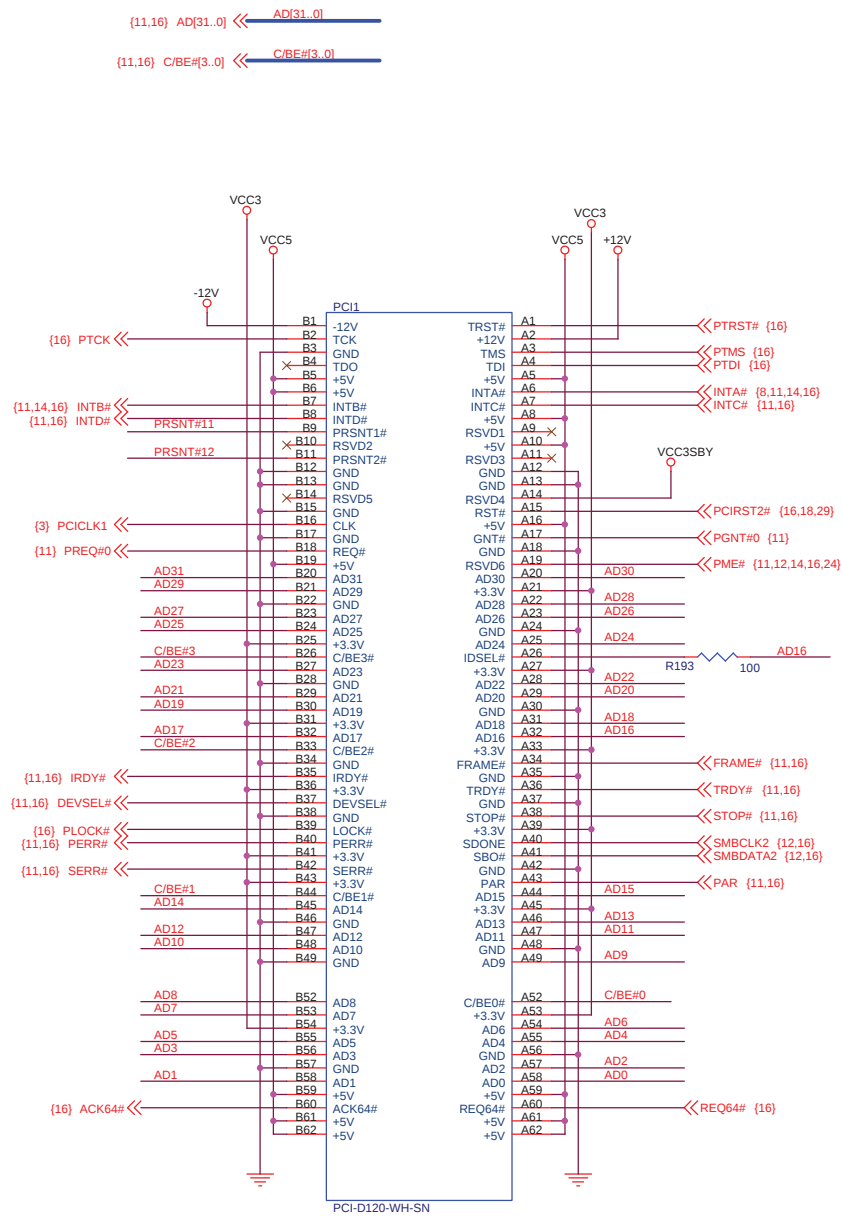




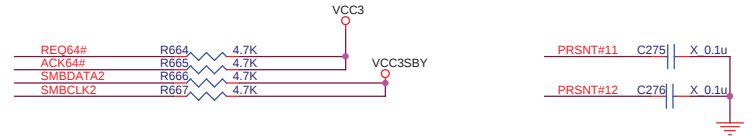
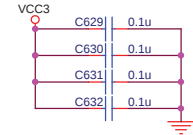
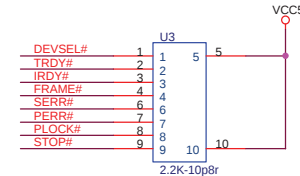
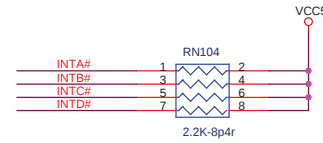
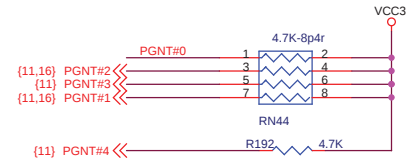
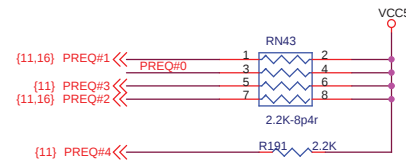






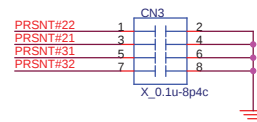
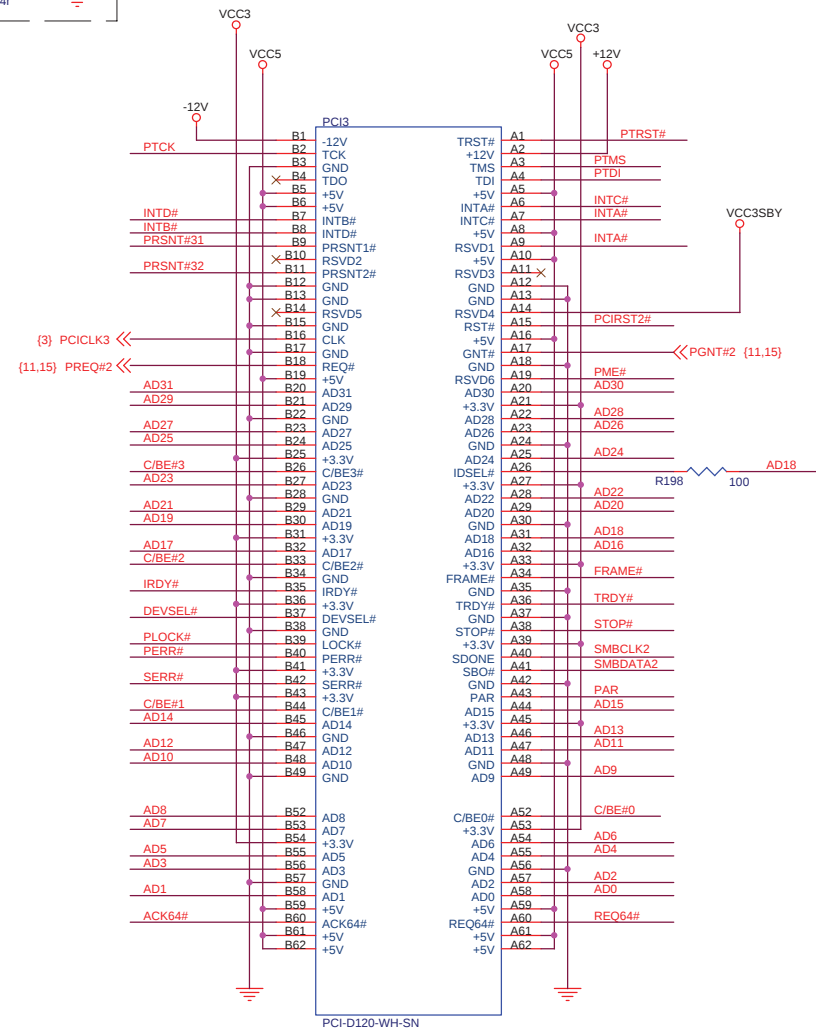
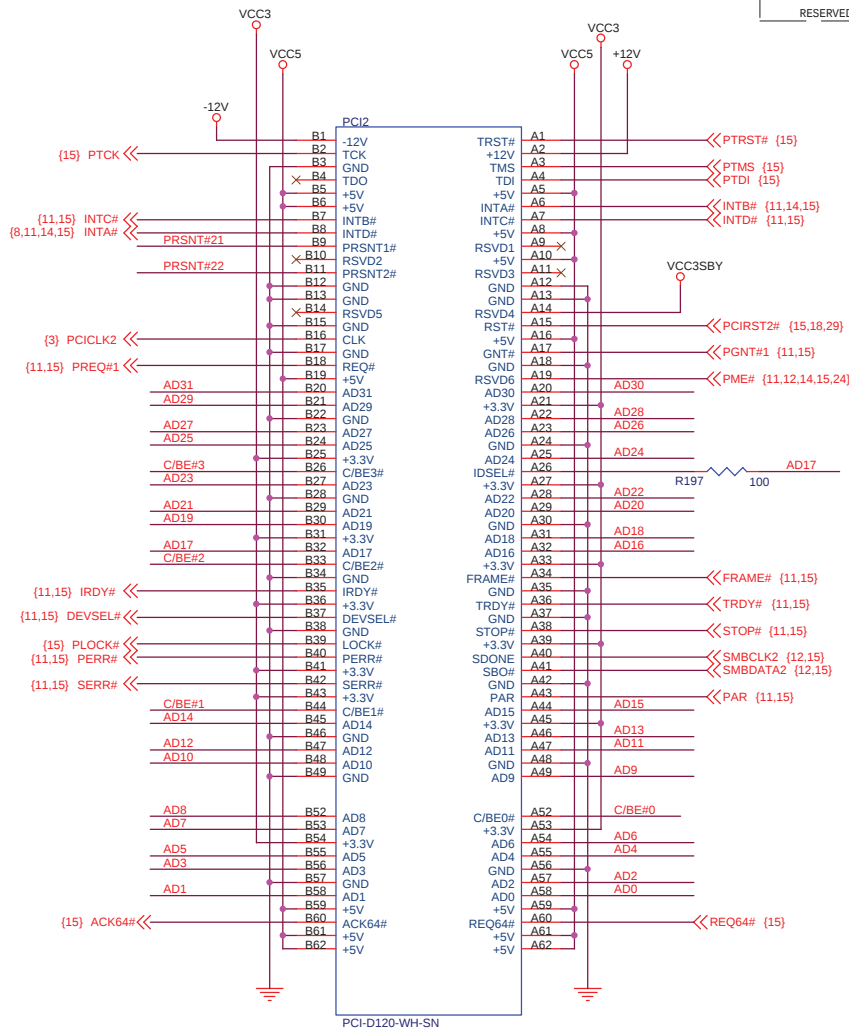
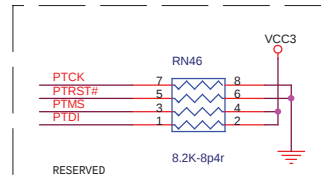


PCI BUS PULL-UP



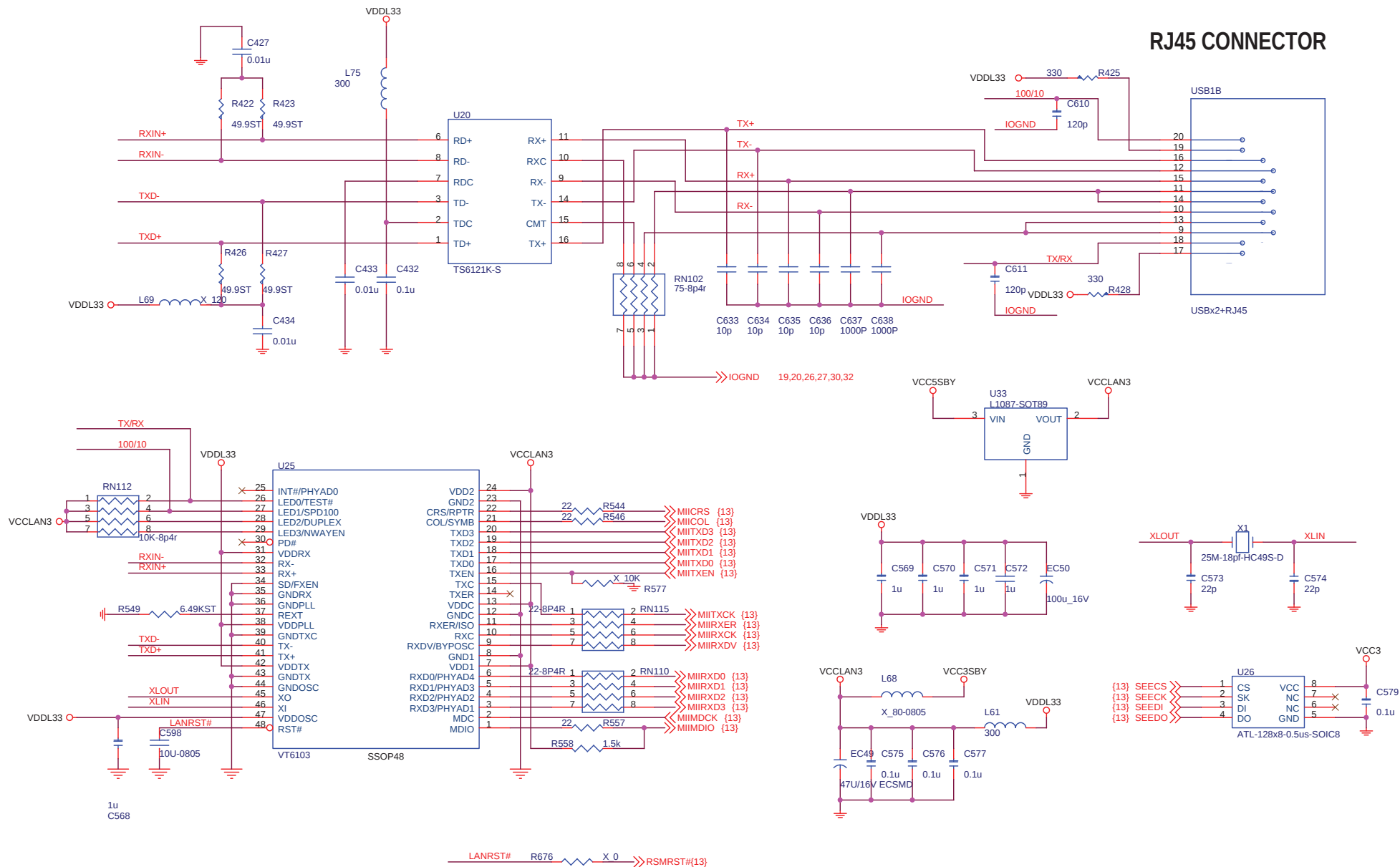
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Title PCI 1			
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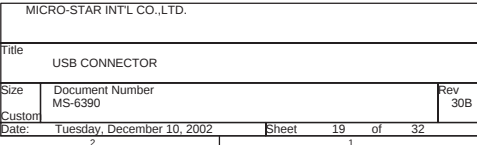


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Title			
PCI 2 & 3			
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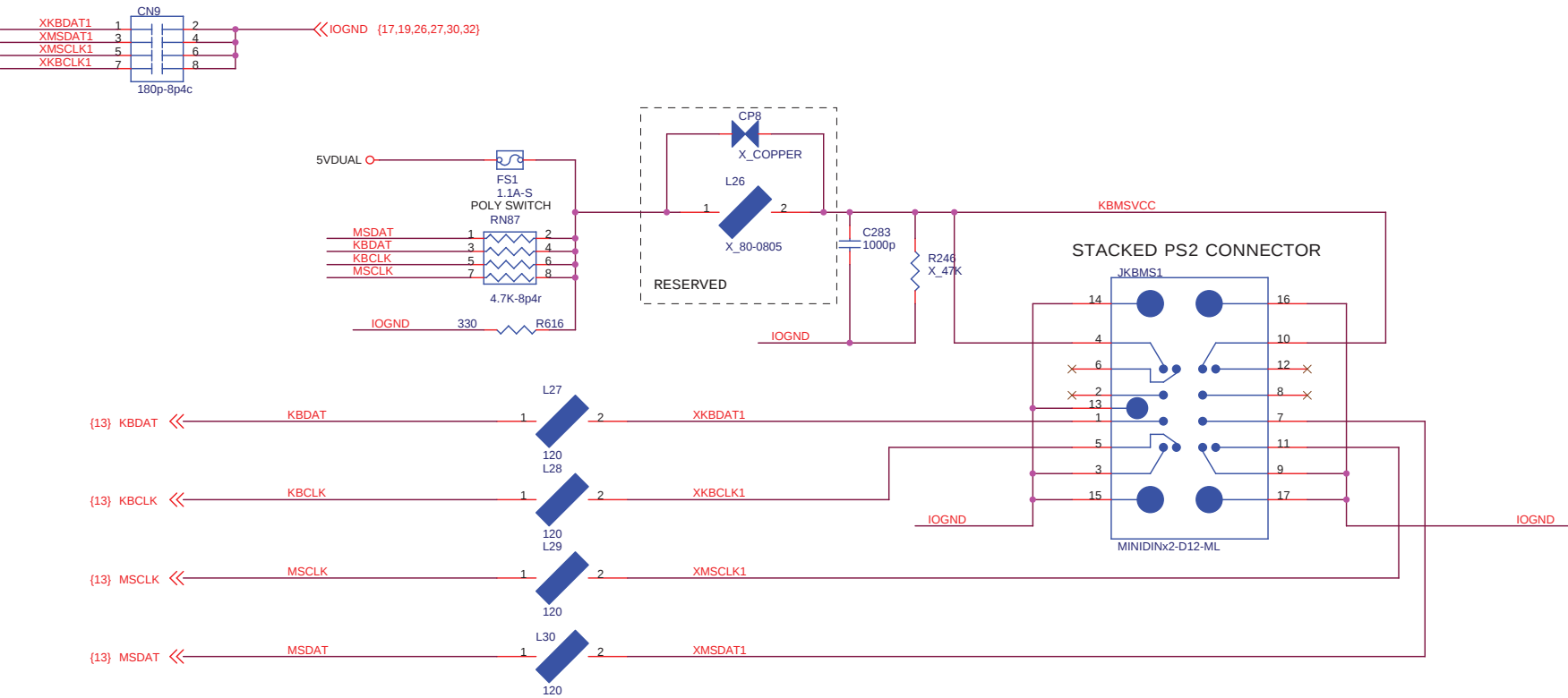
RJ45 CONNECTOR



MICRO-STAR INT'L CO.,LTD.			
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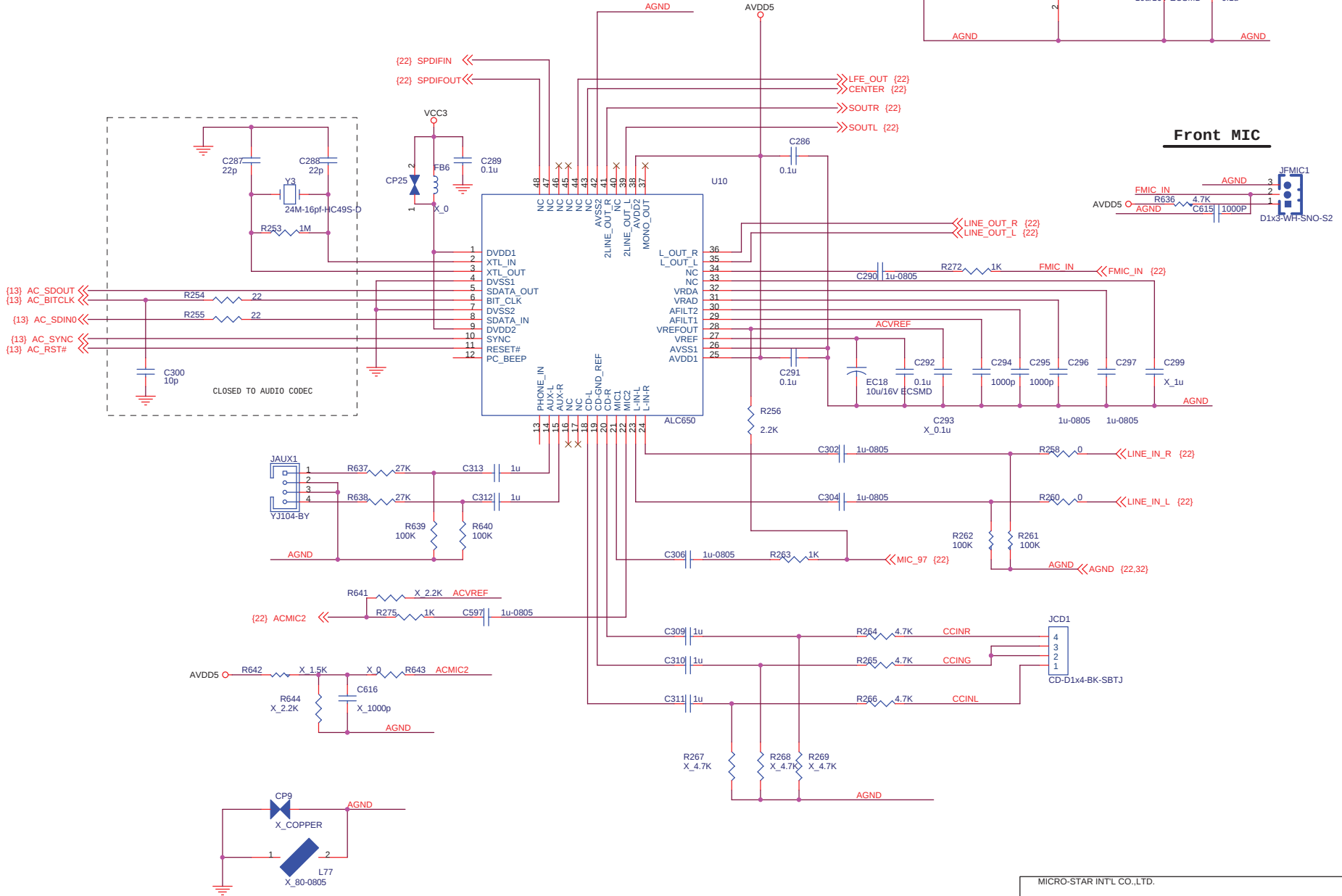


KEYBOARD/MOUSE PORTS

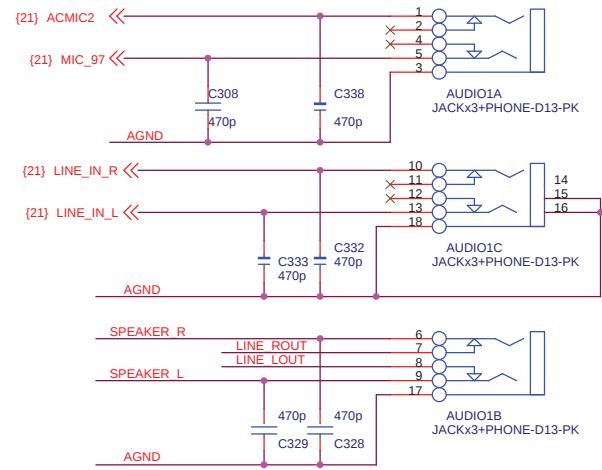
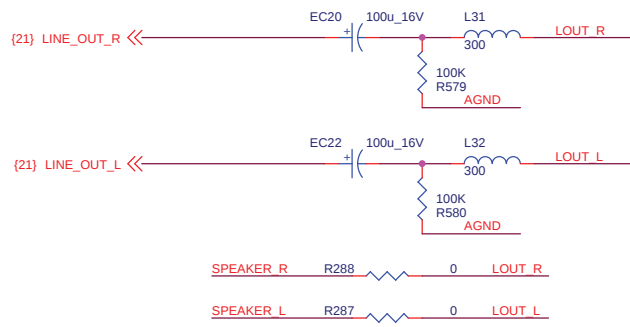


MICRO-STAR INT'L CO.,LTD.		
Title		
KB/MS CONNECTOR		
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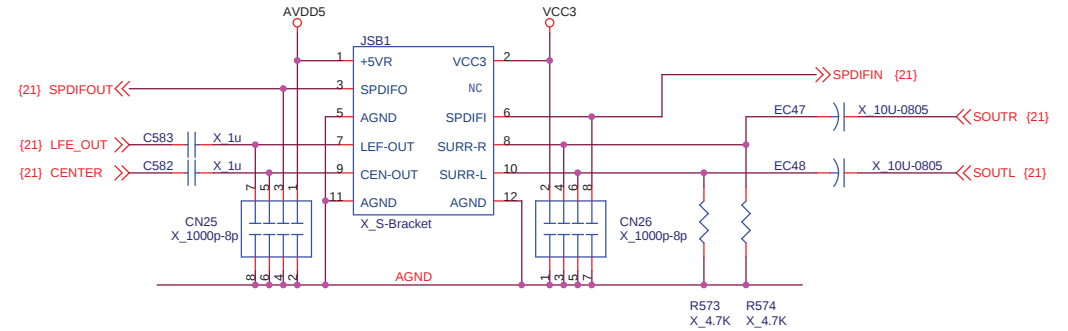
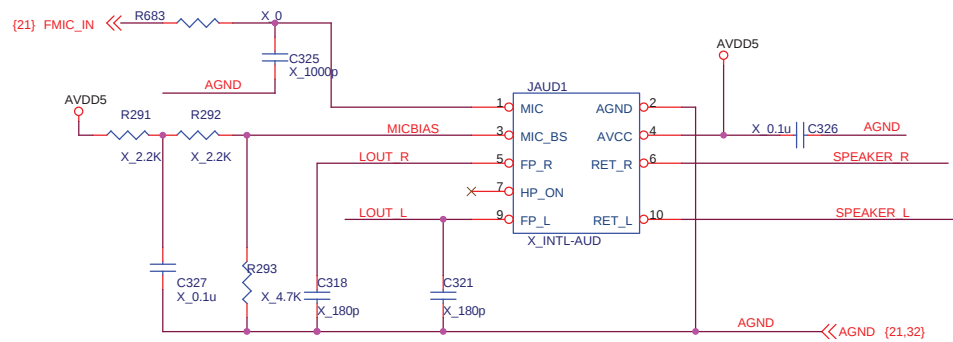
Codec pin	201/202	9756
29	1000p	820p
30	1000p	820p
31	1u	1u
32	1u	1u
33	x	0.047u
34	x	x



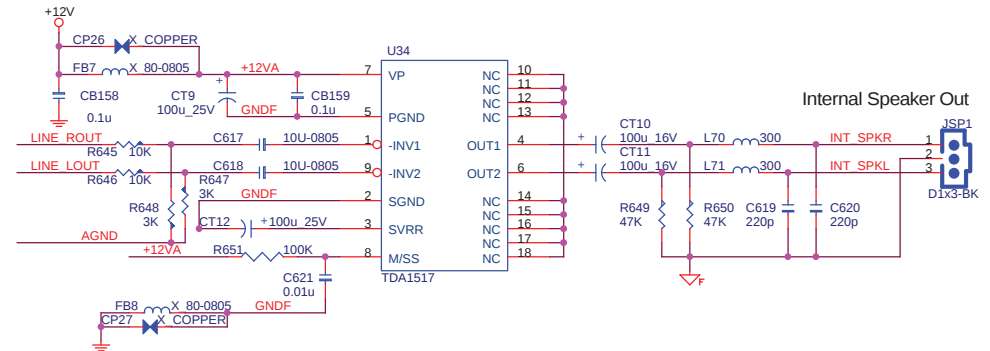
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Title AC'97 CODEC			
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2		1	



Intel Front Audio Connector

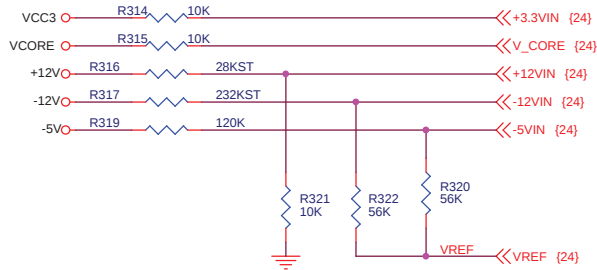
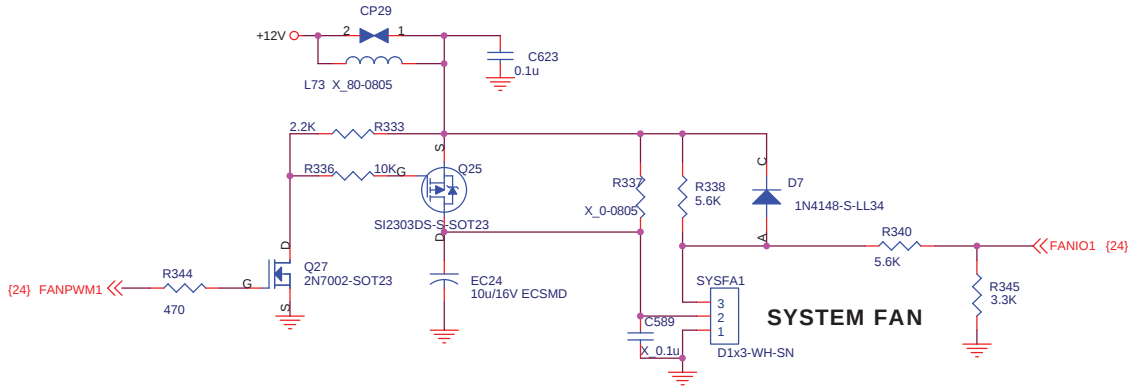
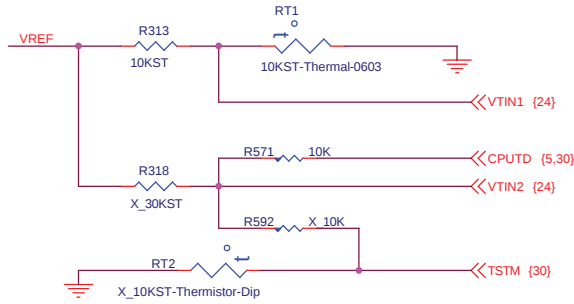
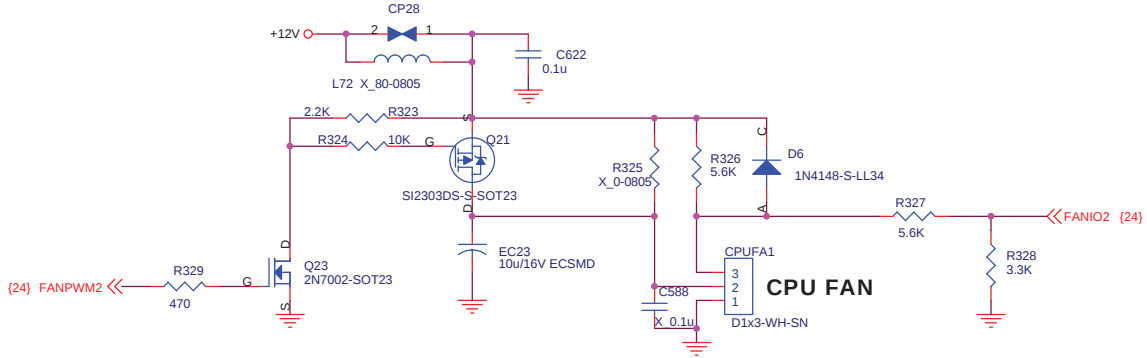


Internal Speaker

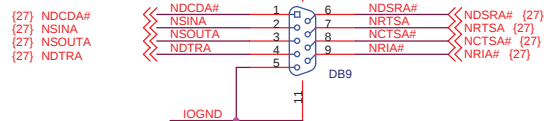
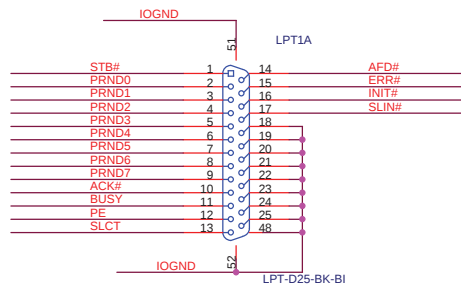
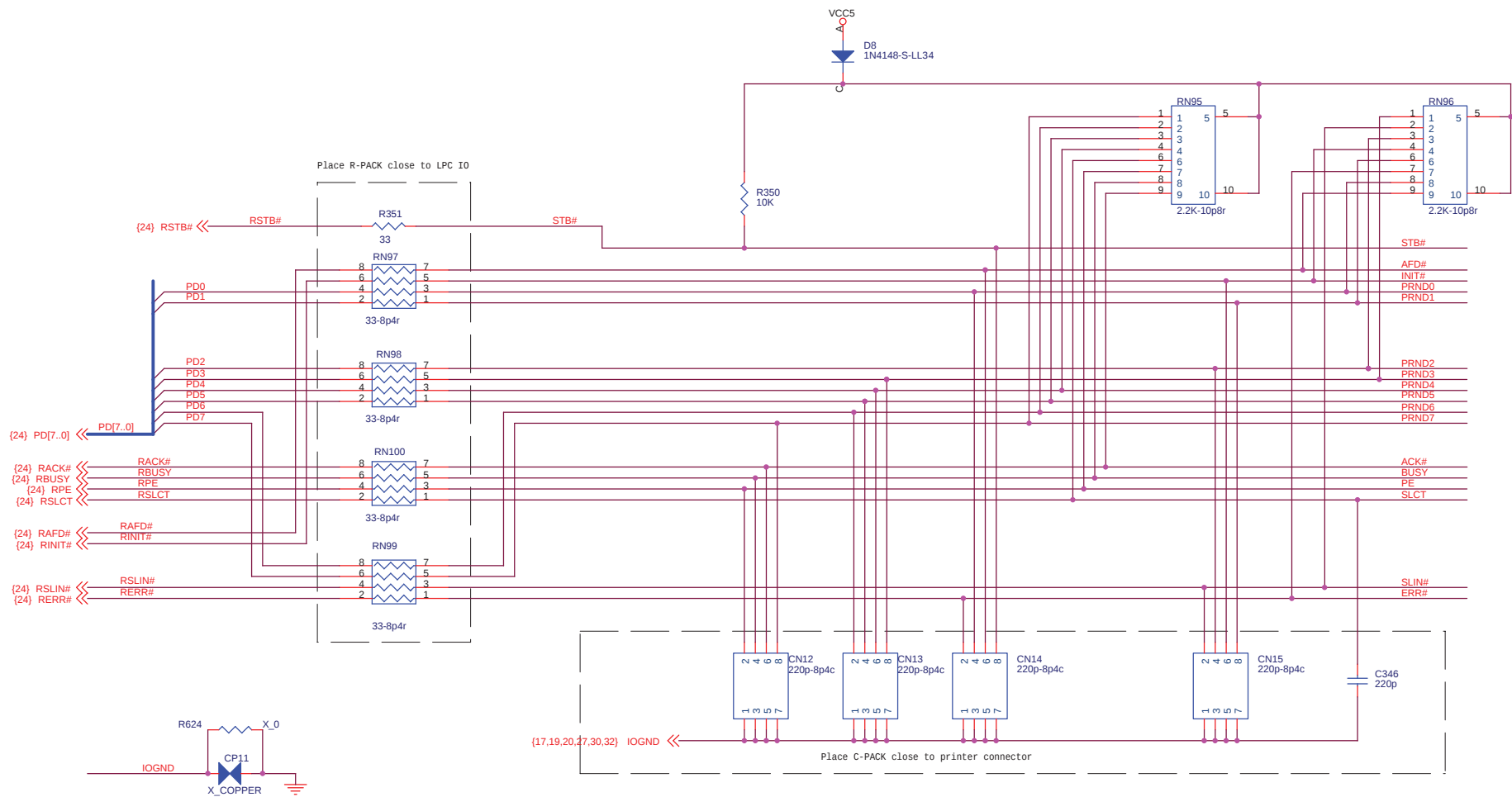


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Title			
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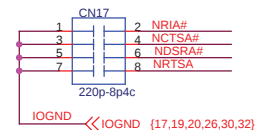
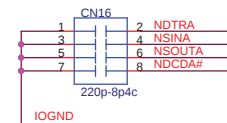
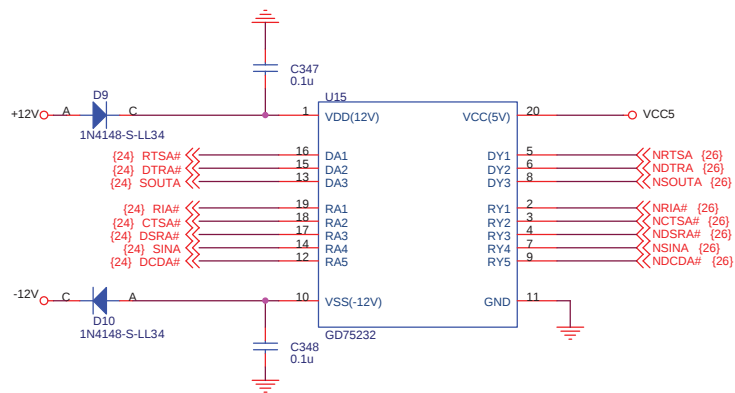
Hardware Monitor



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Title HARDWARE MONITOR			
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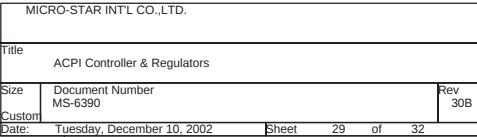


MICRO-STAR INT'L CO.,LTD.			
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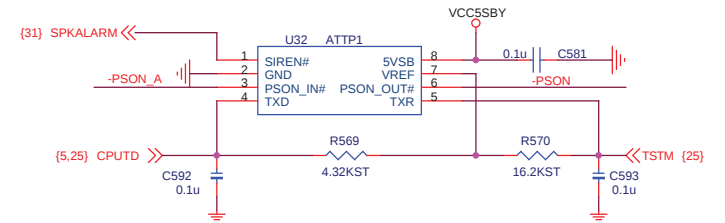
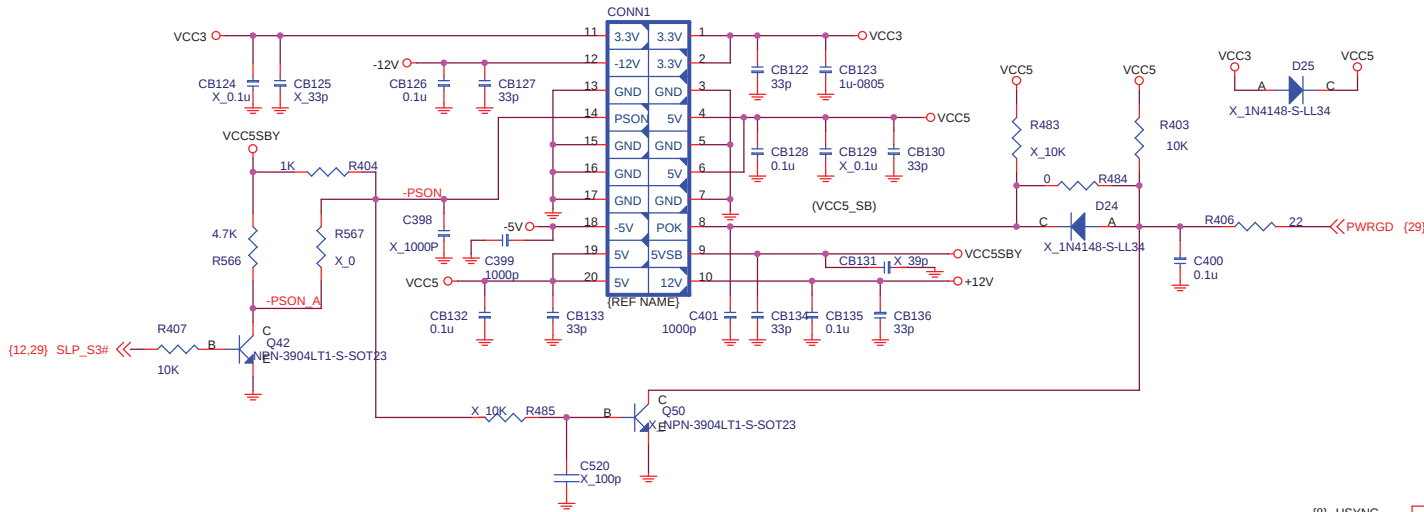


MICRO-STAR INT'L CO.,LTD.			
Title SERIAL PORT			
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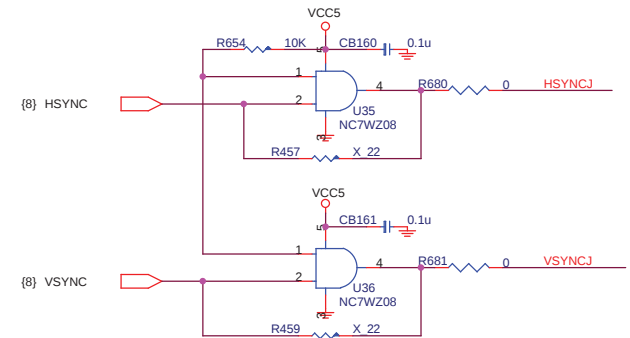
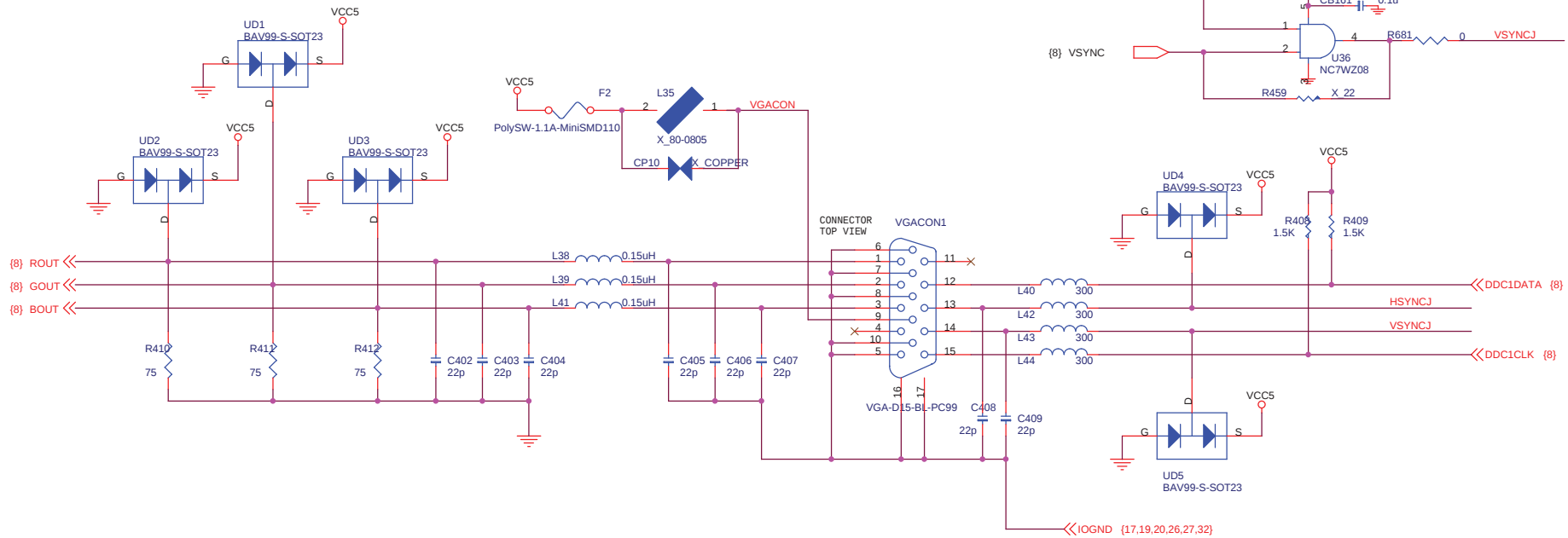
SEL0	5VUSB
H	2 MOSFET
L	1 MOSFET



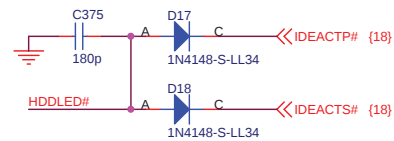
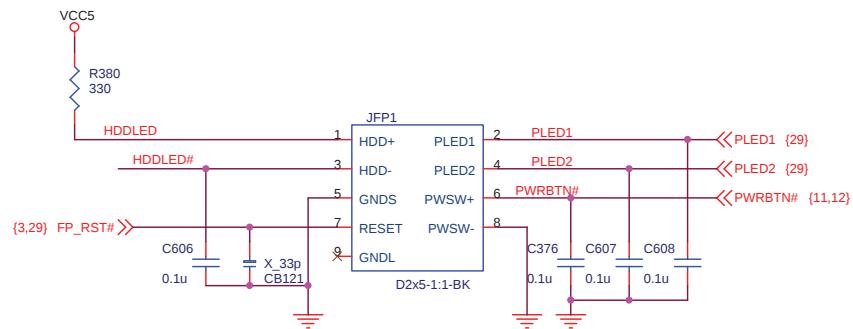
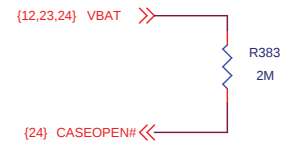
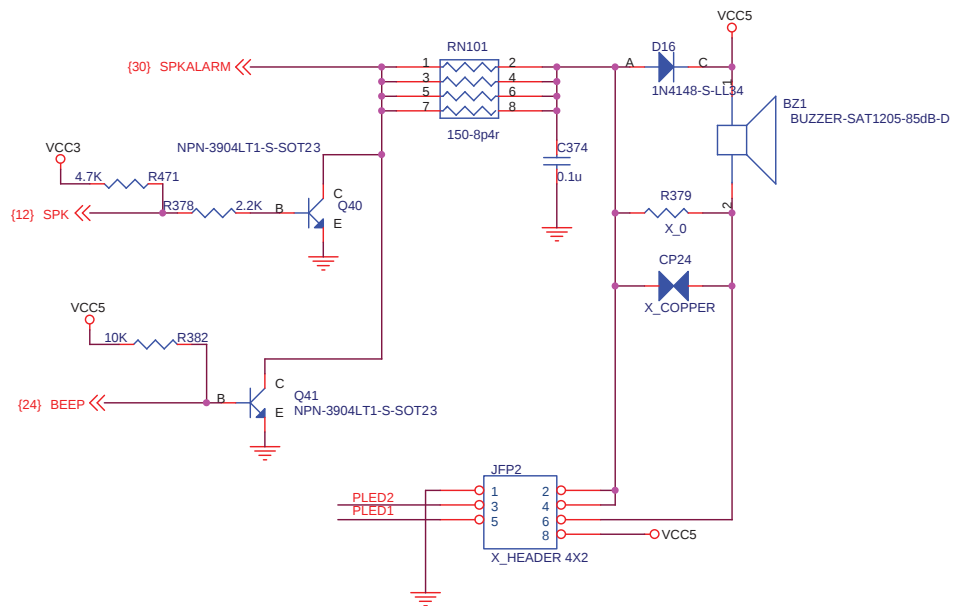
ATX CONNECTOR



VGA CONNECTOR

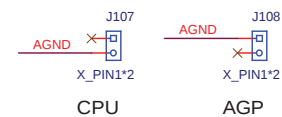
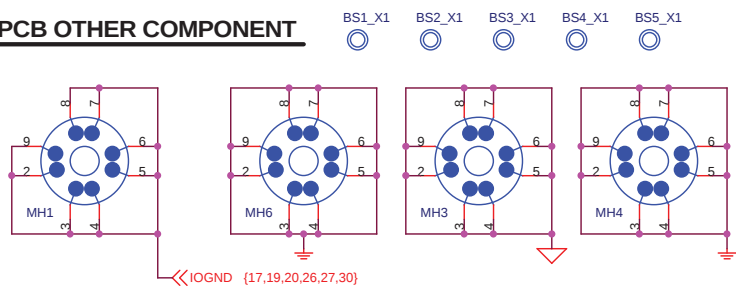


MICRO-STAR INT'L CO.,LTD.			
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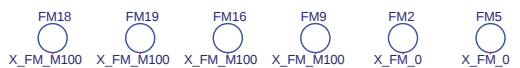
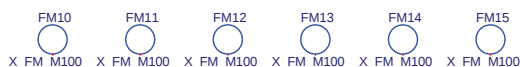
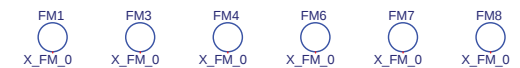
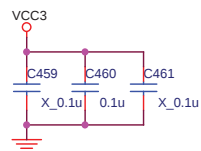
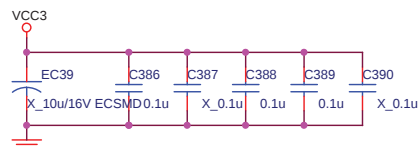
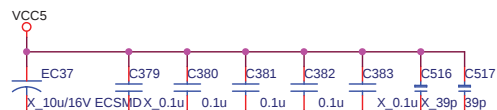
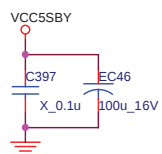
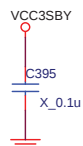
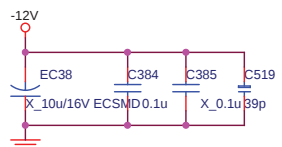
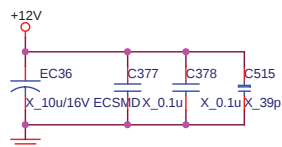


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FRONT PANEL		
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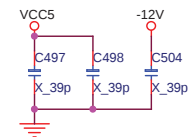
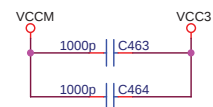
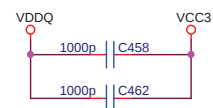
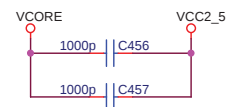
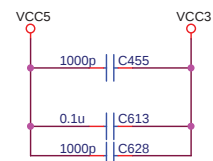
PCB OTHER COMPONENT



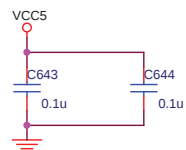
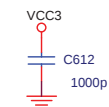
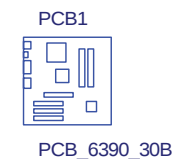
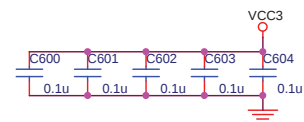
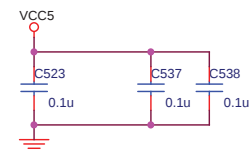
System Decoupling Capacitors



High Freq. return current decoupling



EMI solution, along I/O panel



MICRO-STAR INT'L CO.,LTD.			
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