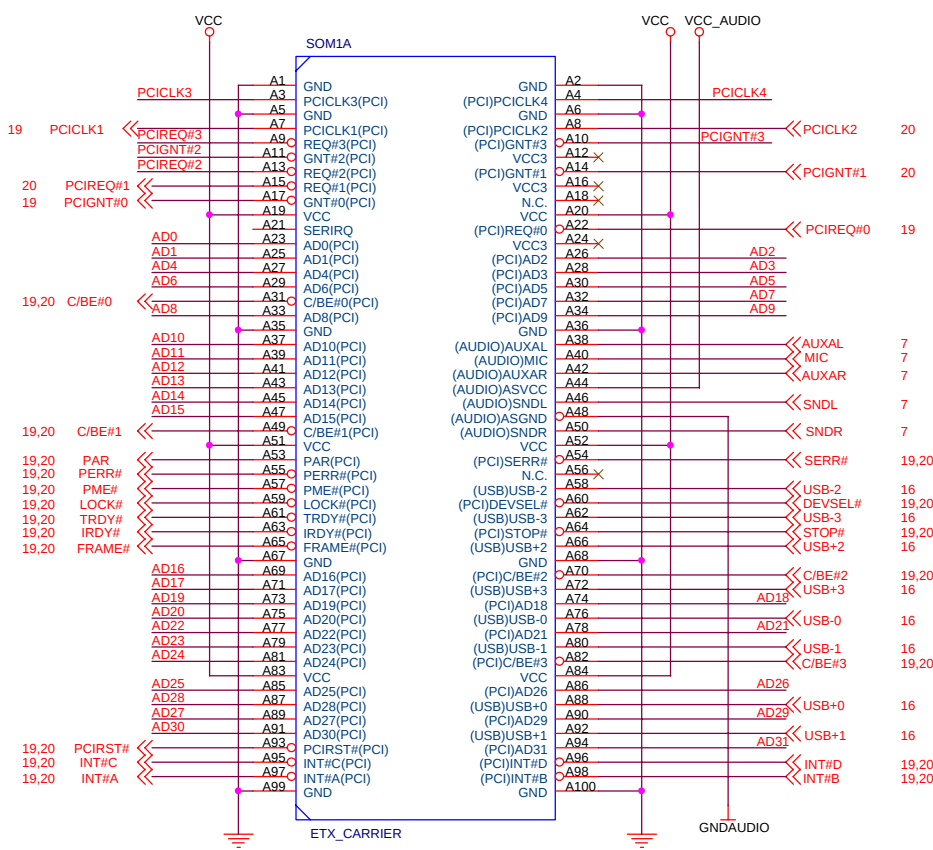
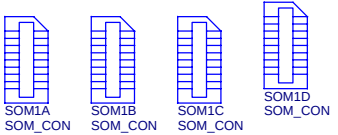
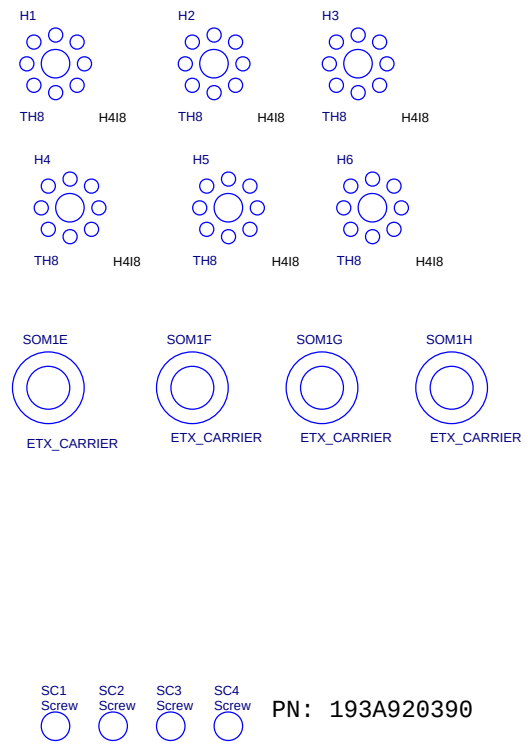




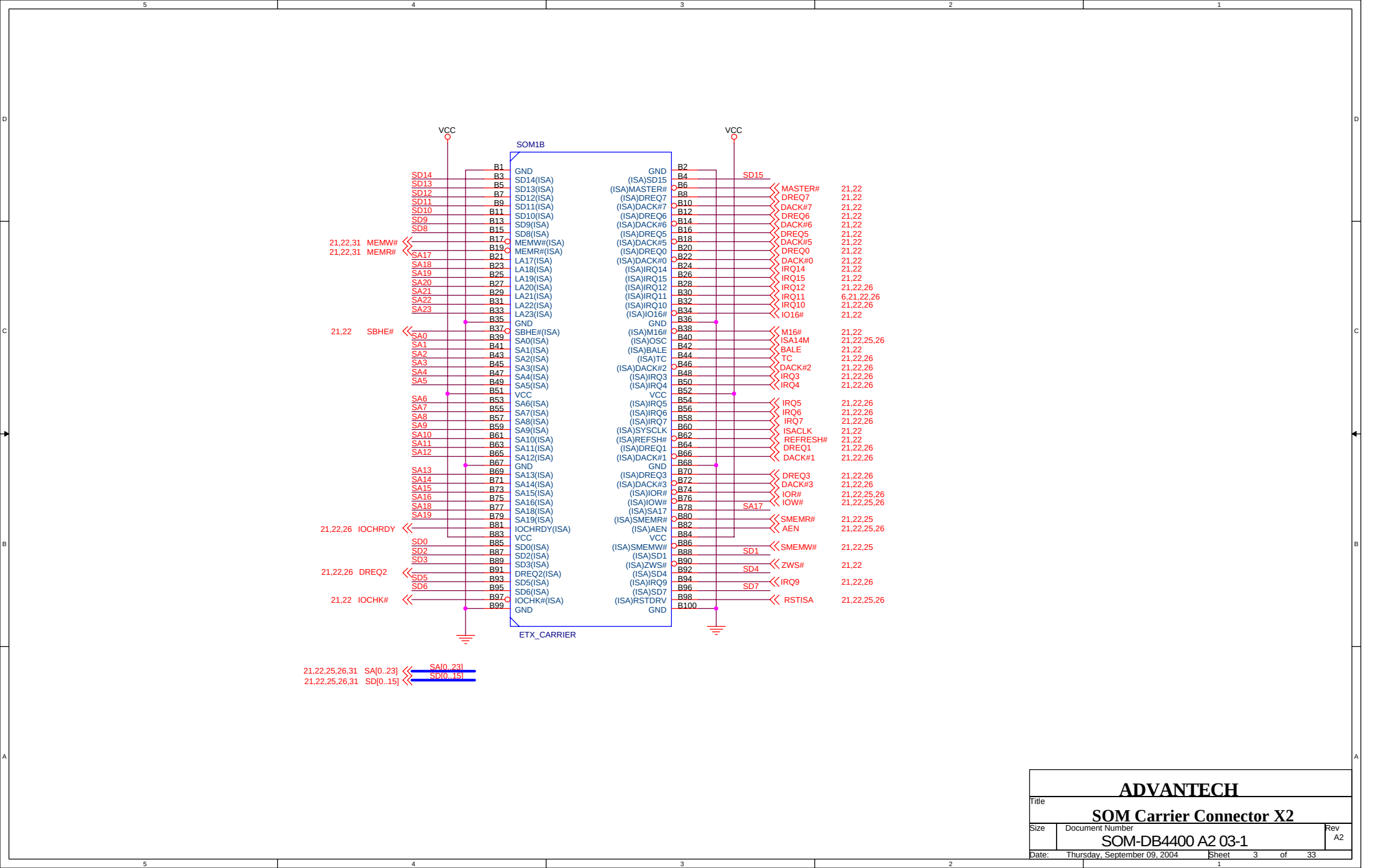
- PCICLK4 << PCICLK4 20
- PCIREQ#3 << PCIREQ#3 20
- PCIGNT#3 << PCIGNT#3 20
- PCICLK3 << PCICLK3 19
- PCIGNT#2 << PCIGNT#2 19
- PCIREQ#2 << PCIREQ#2 19

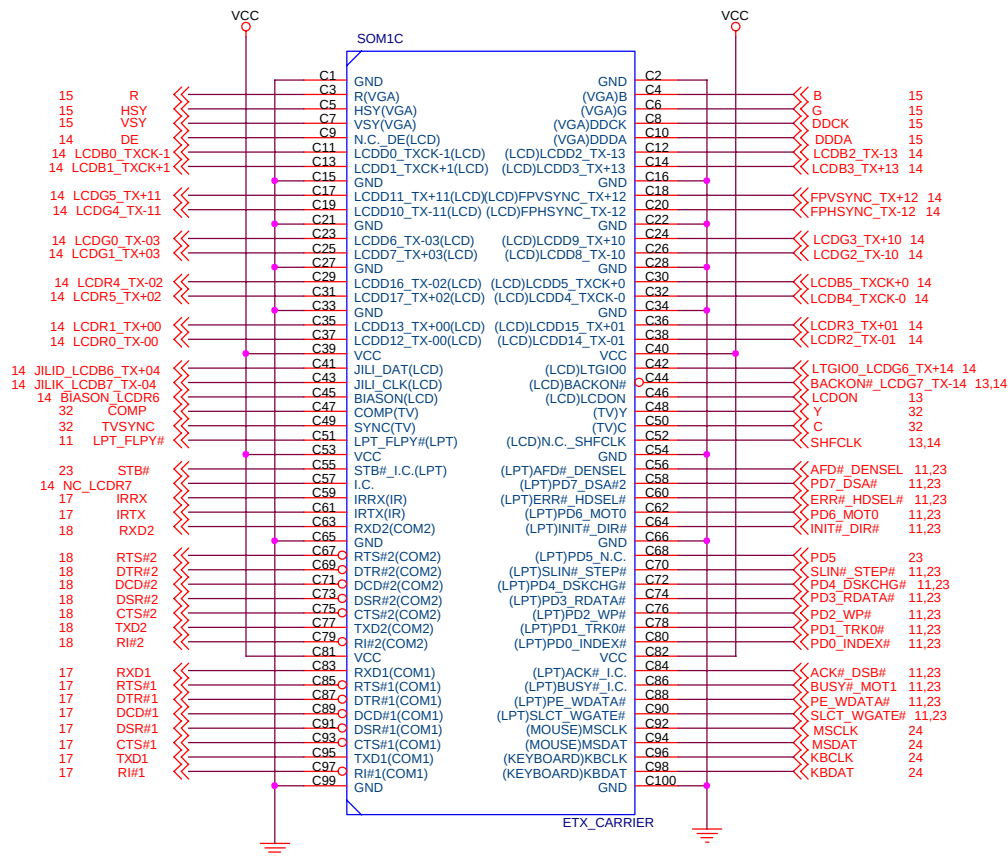
19,20 AD[0..31] << AD[0..31]



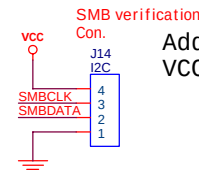
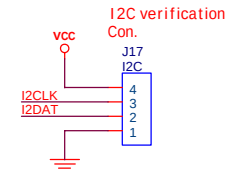
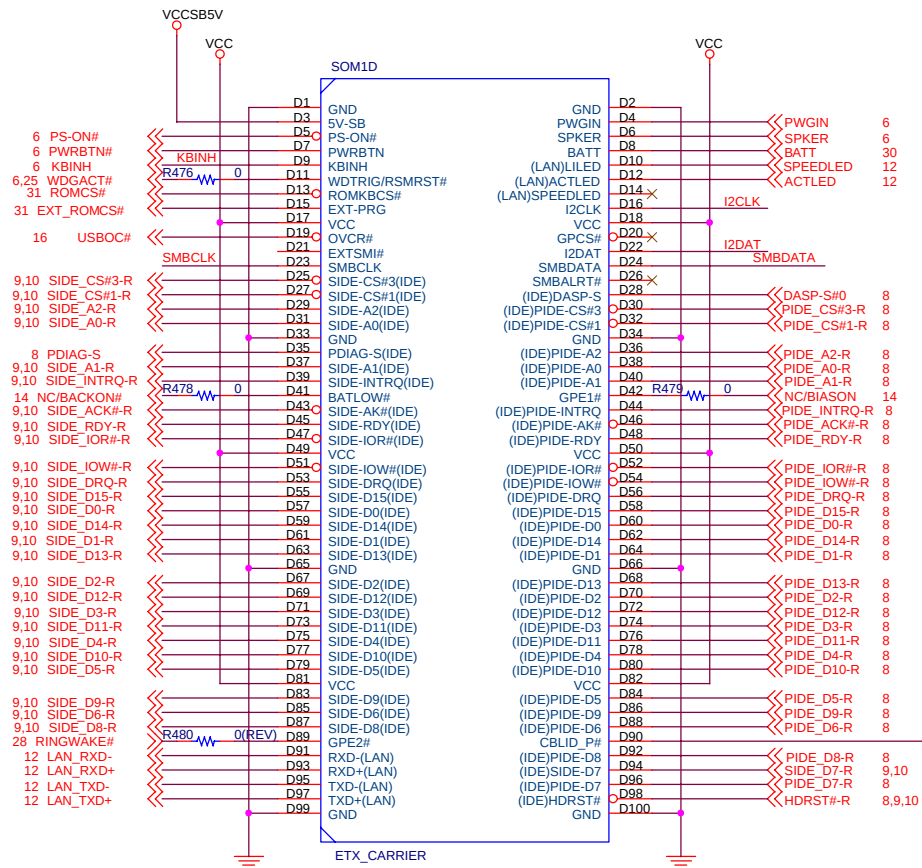
PCB1
1906440003

ADVANTECH			
Title			
SOM Carrier Connector X1			
Size	Document Number		Rev
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Date:	Thursday, September 09, 2004	Sheet	2 of 33



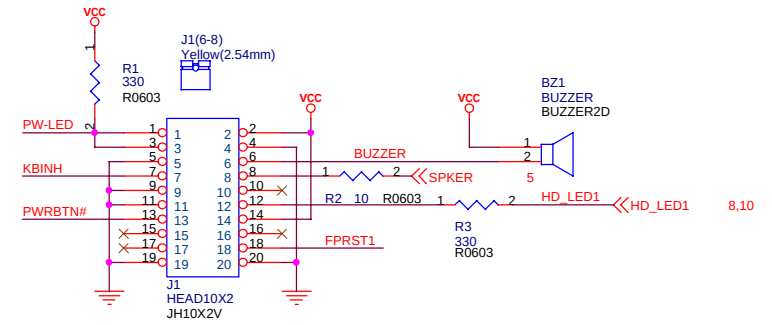
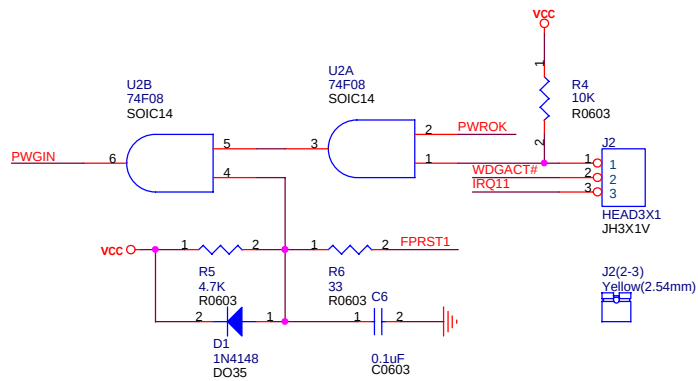
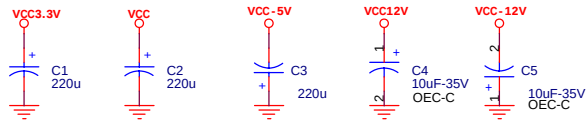
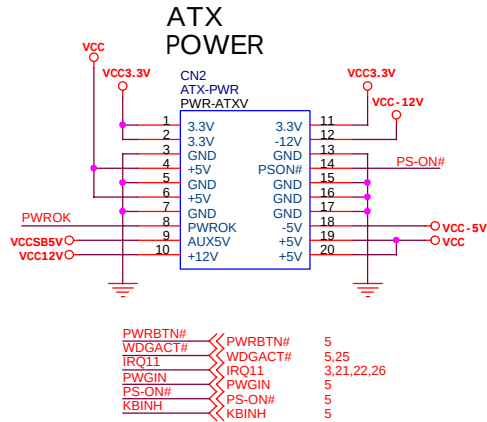


ADVANTECH			
Title			
SOM Carrier Connector X3			
Size	Document Number		Rev
	SOM-DB4400 A2 03-1		A2
Date:	Thursday, September 09, 2004	Sheet	4 of 33



Add the SMB & I2C
VCC5V mark

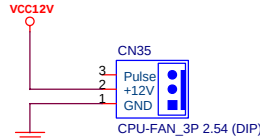
ADVANTECH			
Title			
SOM Carrier Connector X4			
Size	Document Number		Rev
	SOM-DB4400 A2 03-1		A2
Date:	Thursday, September 09, 2004	Sheet	5 of 33



- LAYOUT NOTE:**
1. Add " + " at BZ1 on the PCB
 2. Add " FAN " at CN35
 3. Add " PWR_SW " at J15, " RST_SW " at J16

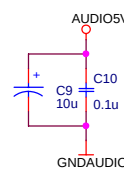
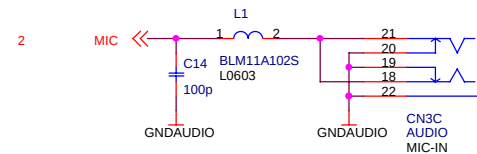
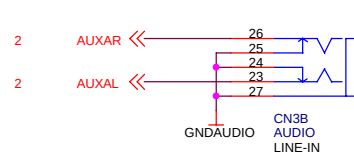
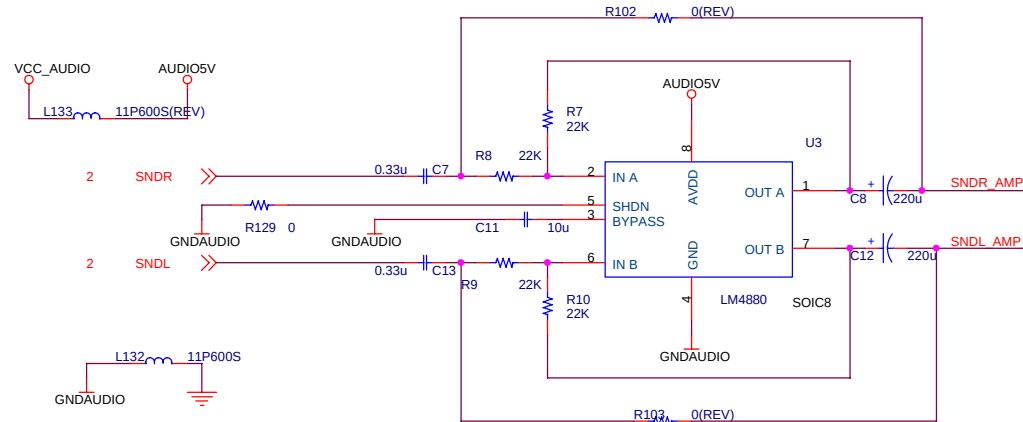
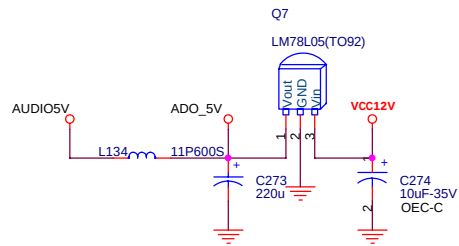
Note: SW Part Num1601000501 SMD
PCB Footprint: STS-B5

FAN Connector



ADVANTECH

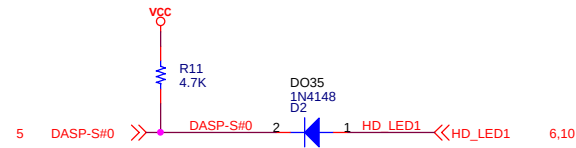
Title		
ATX Power Connector&FAN		
Size	Document Number	Rev
	SOM-DB4400 A2 03-1	A2
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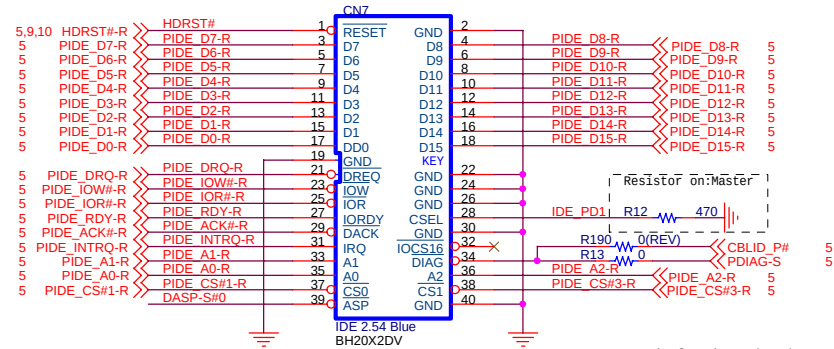
PN: 1652512202 AUDIO CONNECTOR 3IN1
 PN: 1654430100 Include GAME PORT
 PN: 1652505203 Pink, 1652505204 Blue, 1652505205 Green

GNDAUDIO connect to GND via Hole

ADVANTECH			
Title			
AC97 Composite Audio Connector			
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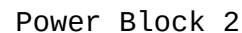
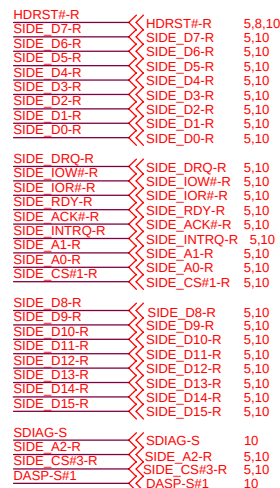
PRIMARY IDE Master/Slave



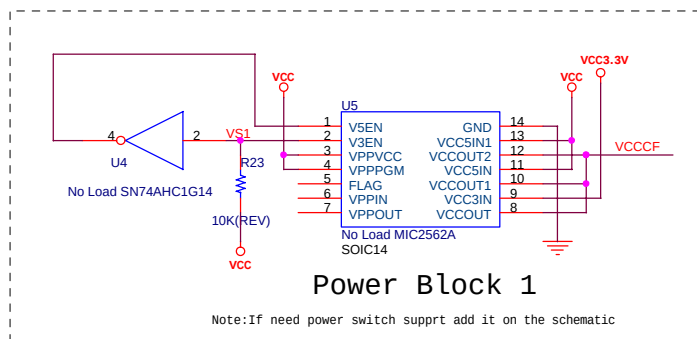
Note: PDIAG-S is for the on board master/slave handshaking signal. If need this function please add this resistor.

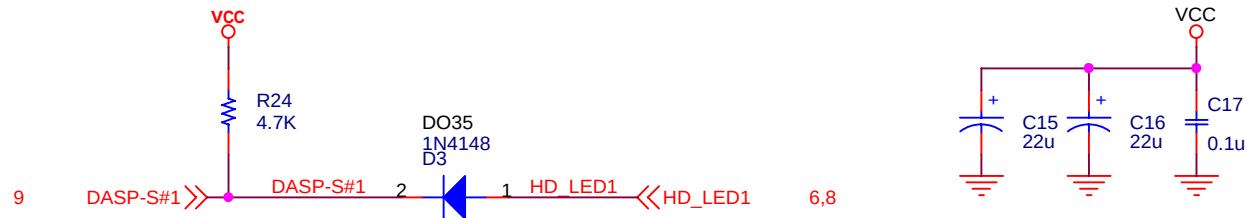
ADVANTECH			
Title			
Primary IDE 40 Pin Master/Slave			
Size	Document Number	Rev	
	SOM-DB4400 A2 03-1	A2	
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```
1-2 master
2-3 slave
```

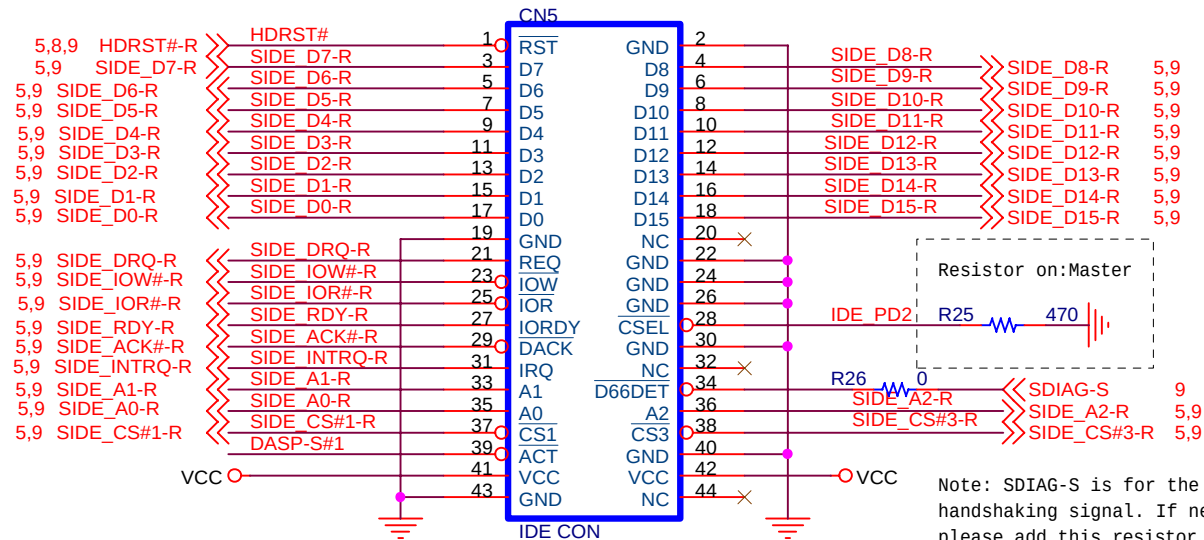


Note: If don't need power switch support add it on the schematic and select a power source by these two inductor.

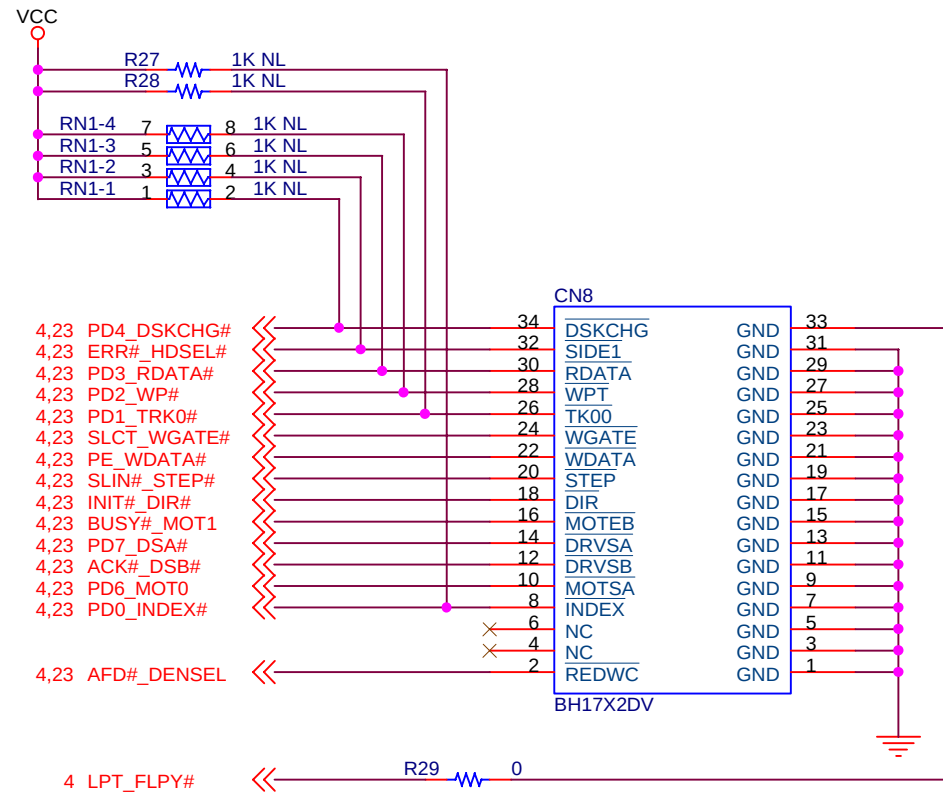




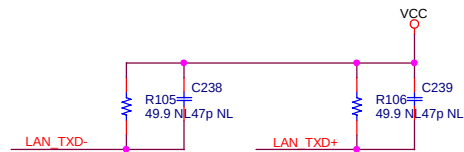
Secondary IDE Master/Slave



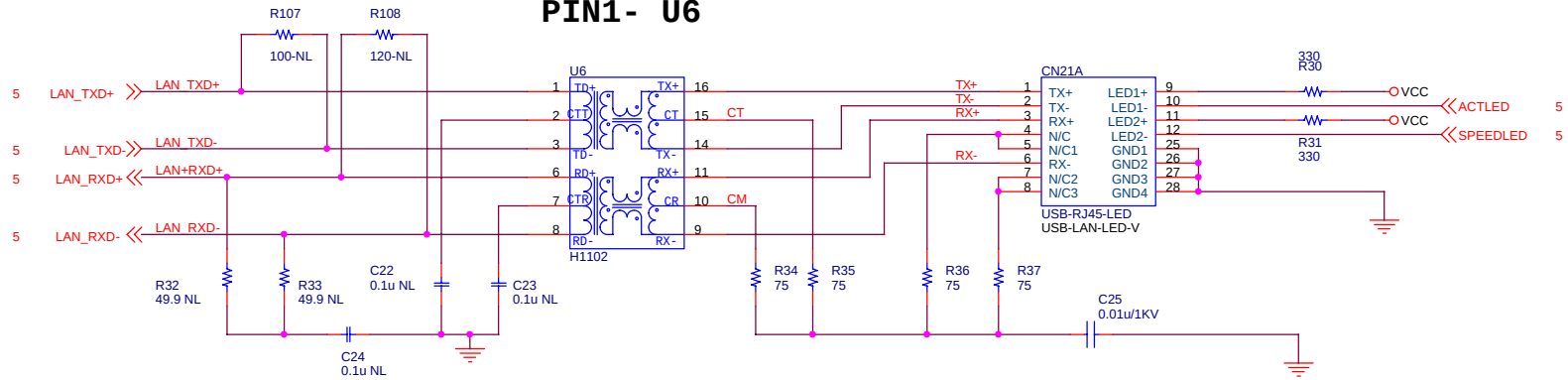
ADVANTECH		
Title		
Secondary IDE 44 Pin Master/Slave		
Size	Document Number	Rev
	SOM-DB4400 A2 03-1	A2
Date:	Thursday, September 09, 2004	Sheet 10 of 33



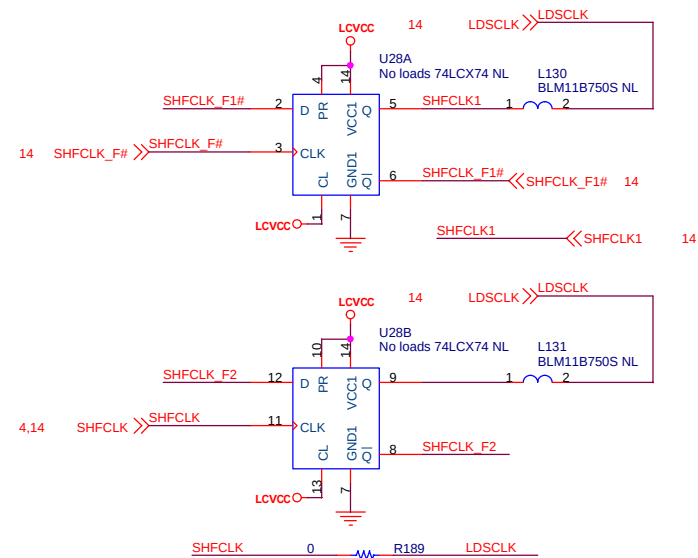
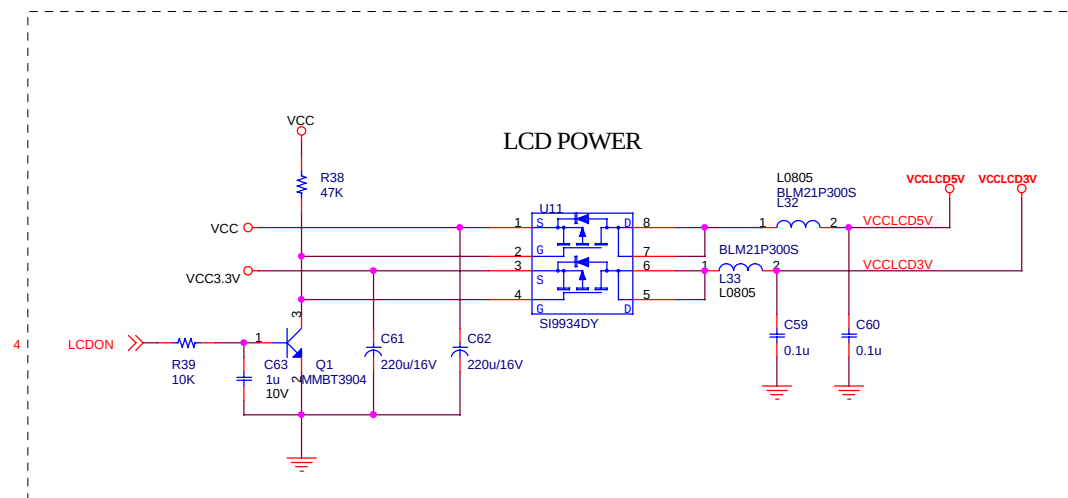
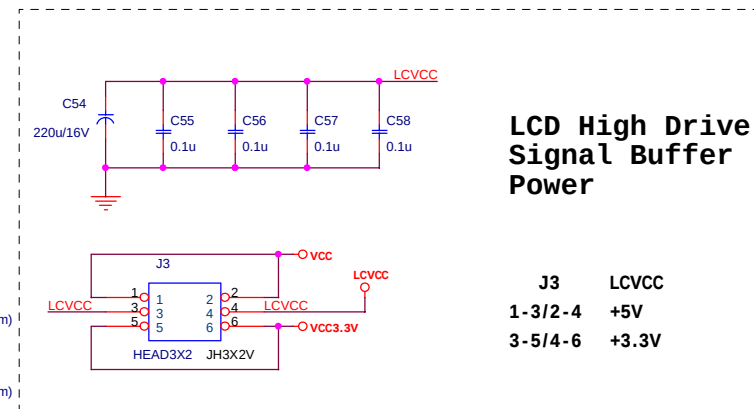
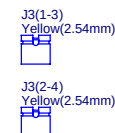
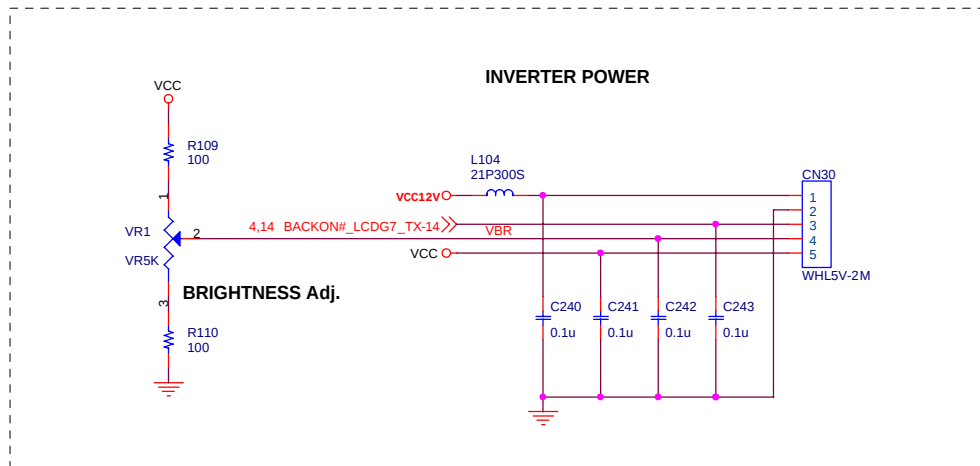
ADVANTECH		
Title		
FDD STD connector		
Size	Document Number	Rev
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Date:	Thursday, September 09, 2004	Sheet 11 of 33



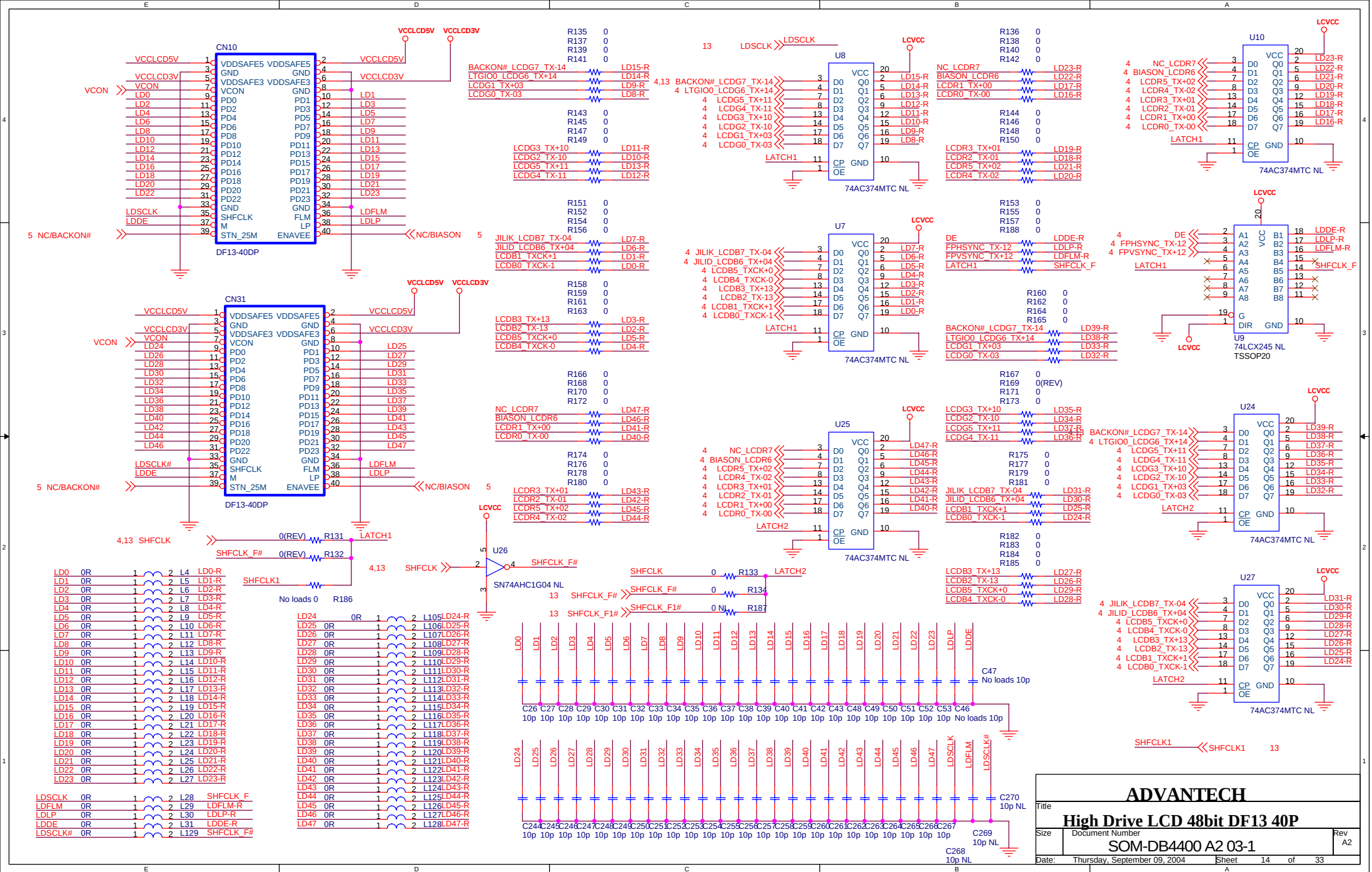
Please Add the
PIN1- U6

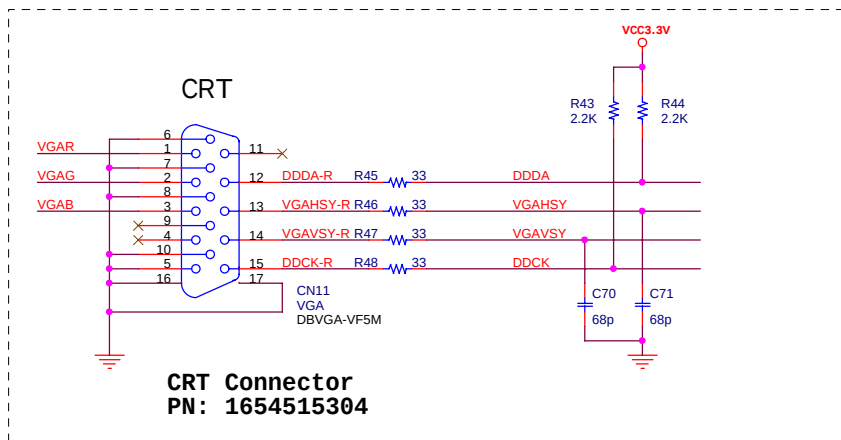
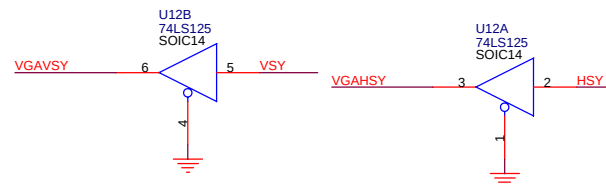
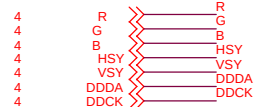
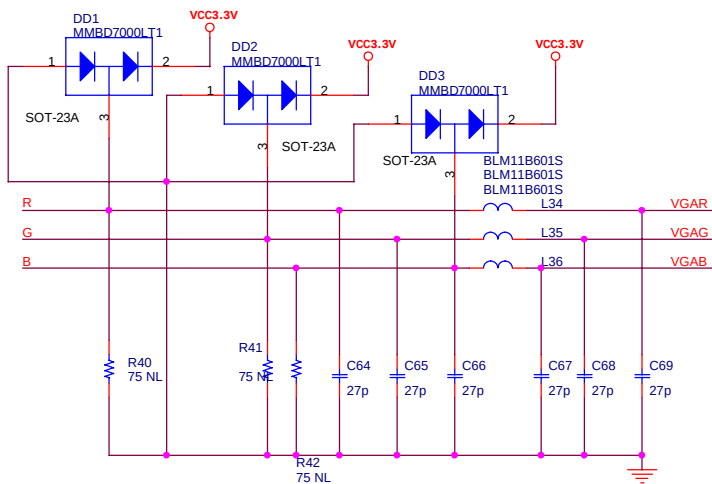


ADVANTECH			
Title			
LAN RJ45 Right Angle connector			
Size	Document Number		Rev
	SOM-DB4400 A2 03-1		A2
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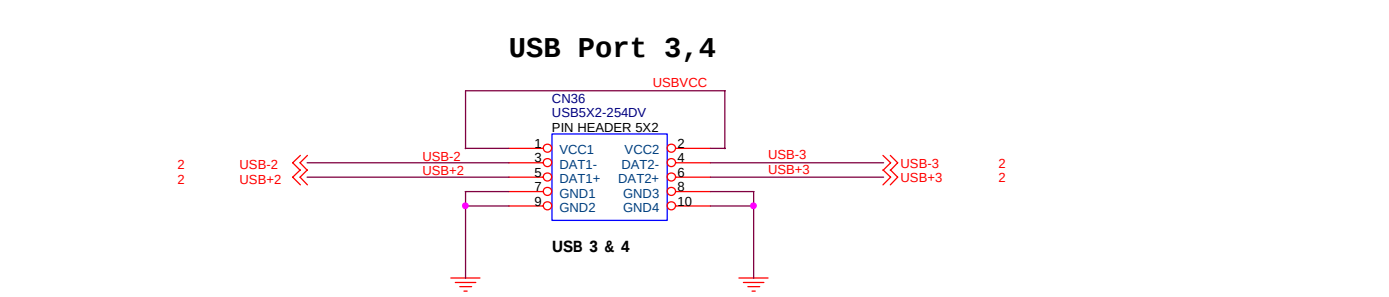
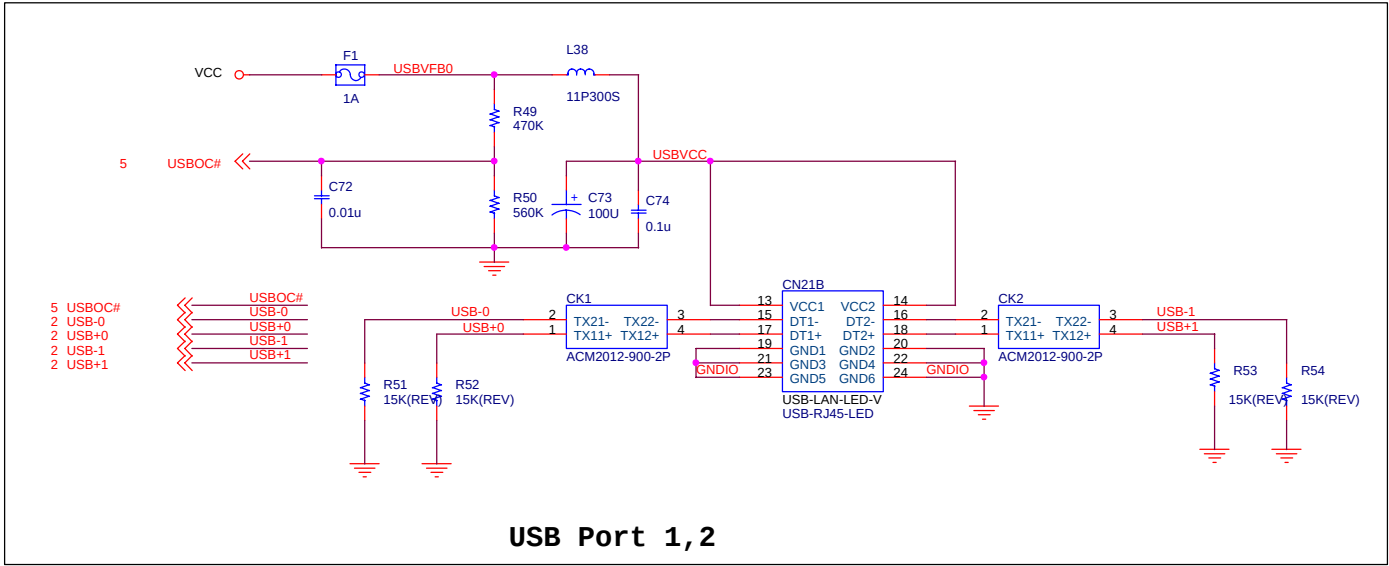


ADVANTECH			
Title			
LCD 48 Power backlight			
Size	Document Number		Rev
	SOM-DB4400 A2 03-1		A2
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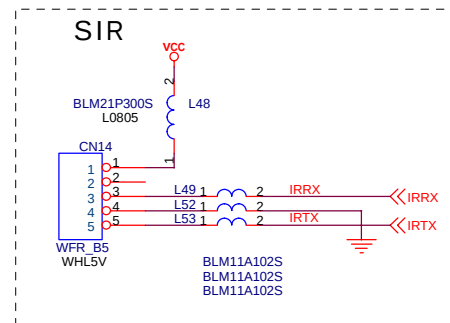
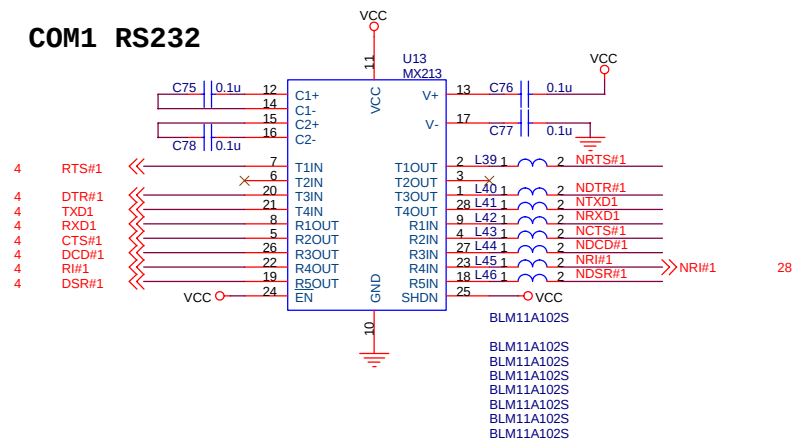


ADVANTECH			
Title			
CRT DB15 right angle			
Size	Document Number		
	SOM-DB4400 A2 03-1		
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A2			



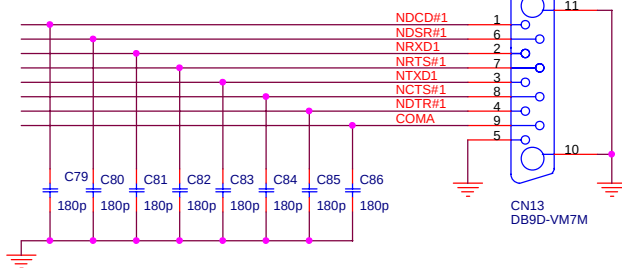
ADVANTECH			
Title			
USB Right Angle Connector			
Size	Document Number		Rev
	SOM-DB4400 A2 03-1		A2
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COM1 RS232



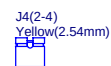
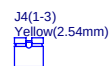
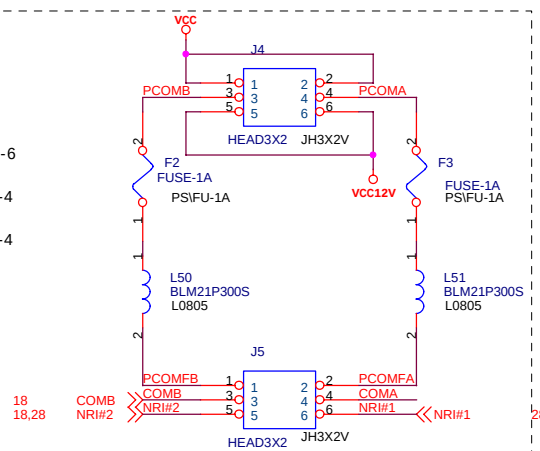
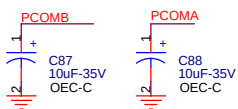
COM1

CN13: PN:1654409113 Footprint: DB9D-VM7M



COM 1/COM 2 :

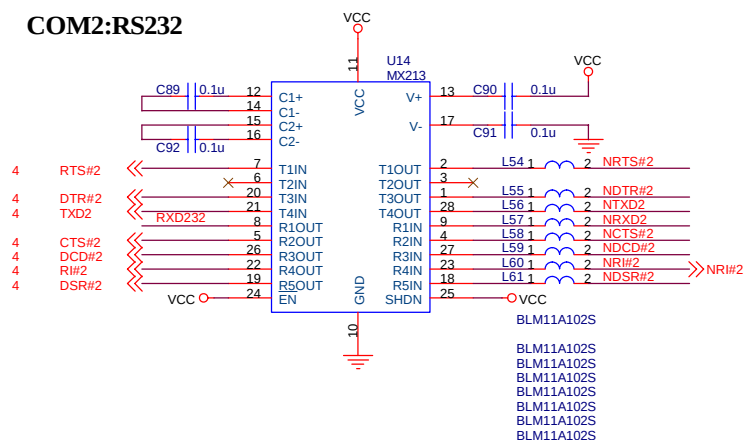
	J1	J2
RING	DON'T CARE	3-5/4-6
VCC	1-3/2-4	1-3/2-4
+12V	3-5/4-6	1-3/2-4



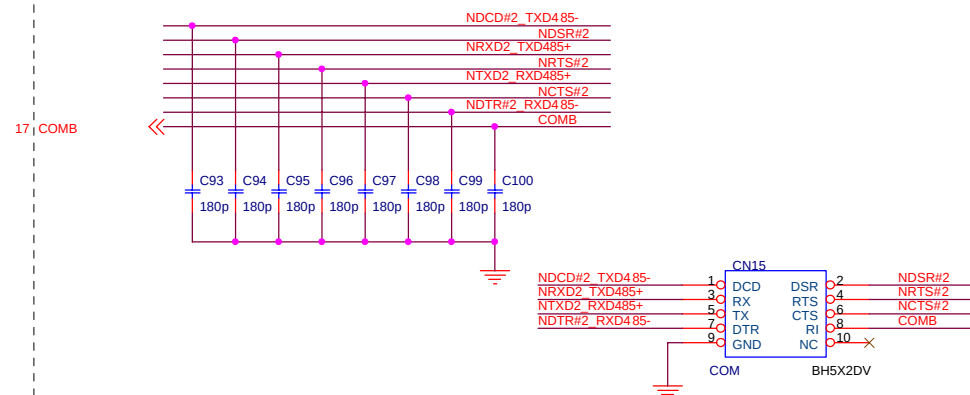
ADVANTECH

Title			
COM1,2 DB25 RA & SIR			
Size	Document Number	Rev	
	SOM-DB4400 A2 03-1	A2	
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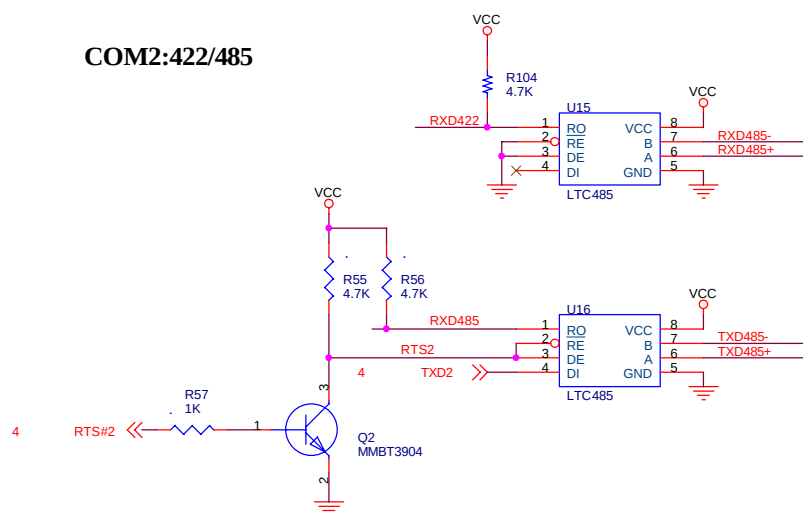
COM2:RS232



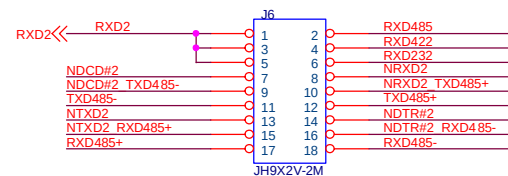
COM2 RS232/422/485



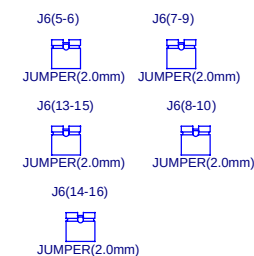
COM2:422/485



**COM2 :RS232/422/485
SEL. JUMPER**



J6		
RS232	RS422	RS485
5-6	3-4	1-2
7-9	9-11	9-11
8-10	10-12	10-12
13-15	15-17	15-17
14-16	16-18	16-18



ADVANTECH

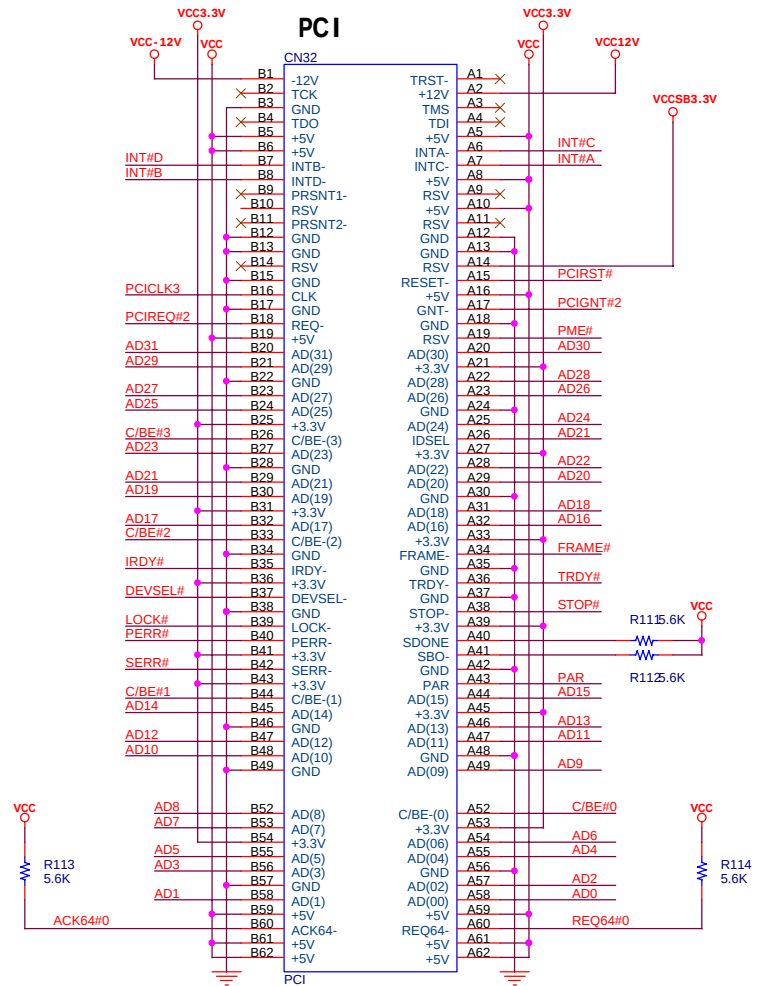
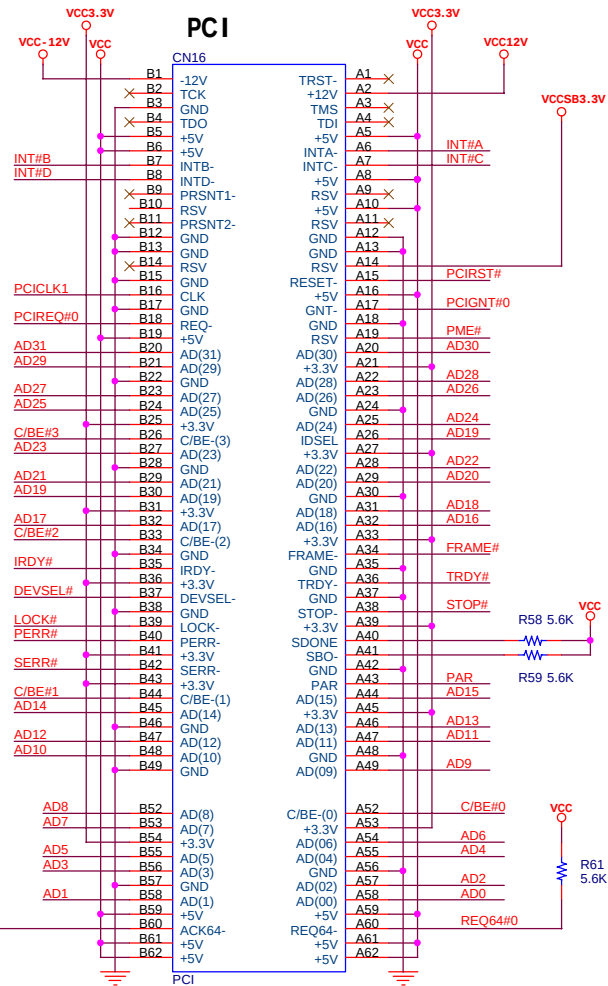
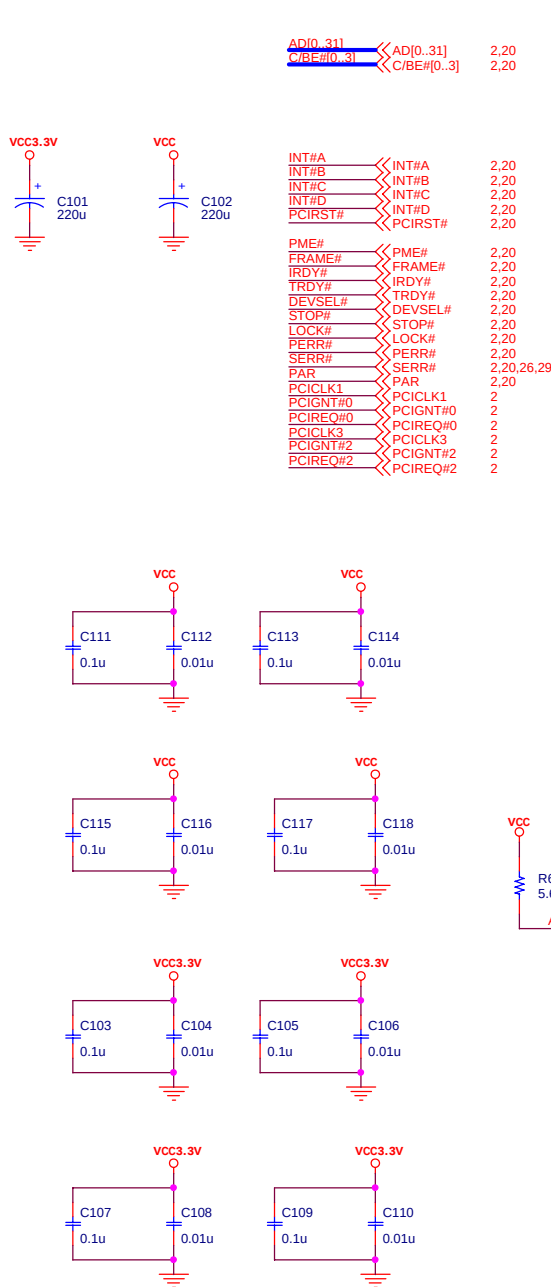
COM2 BOX HEADER 232/422/485

Size	Document Number
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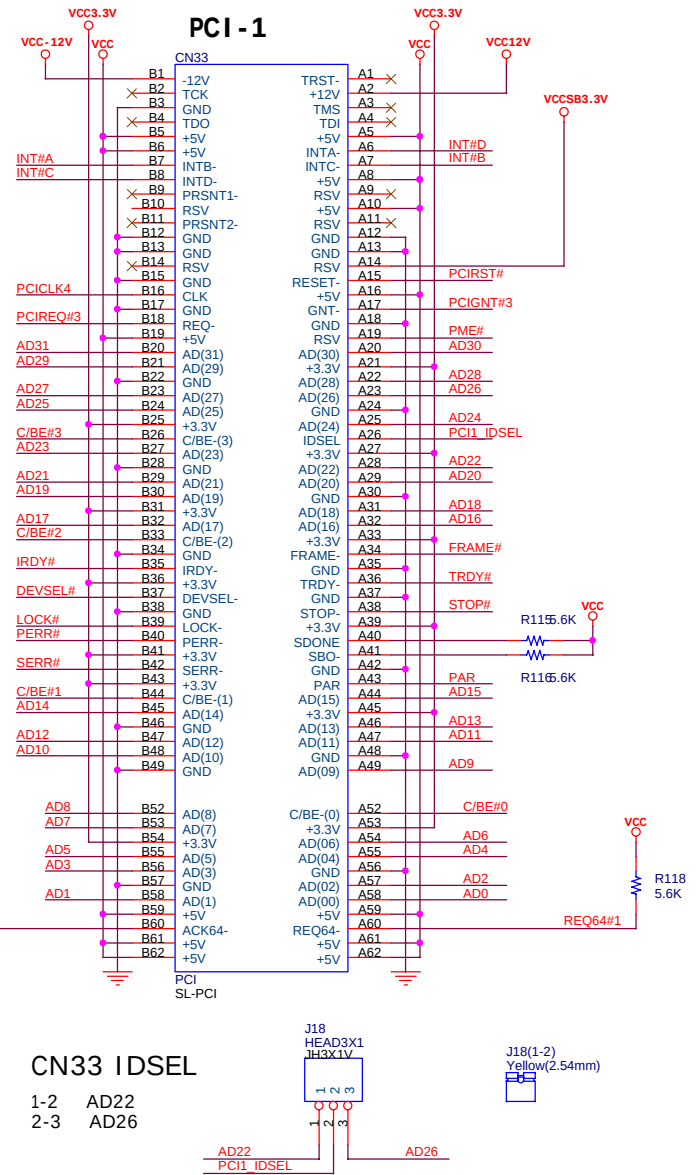
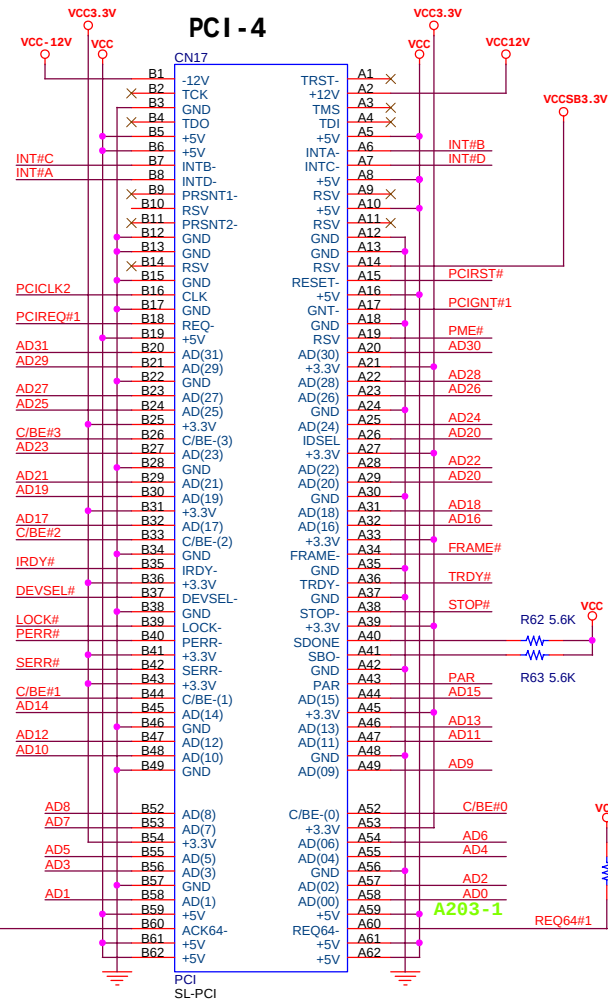
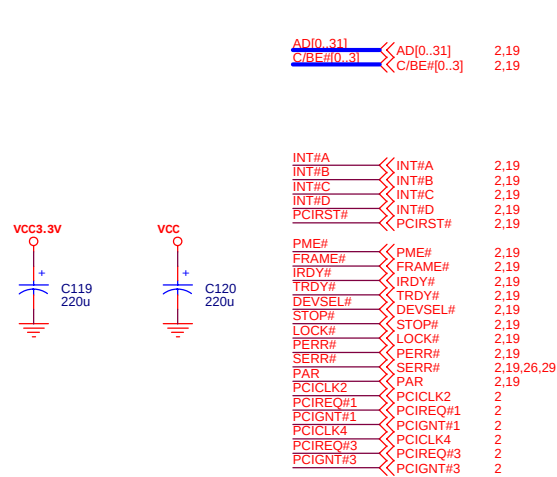
SOM-DB4400 A2 03-1

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A2

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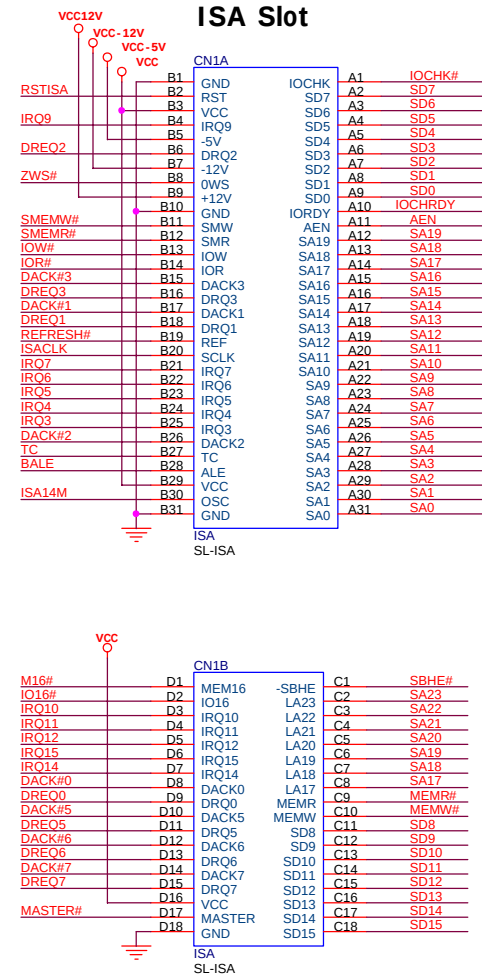
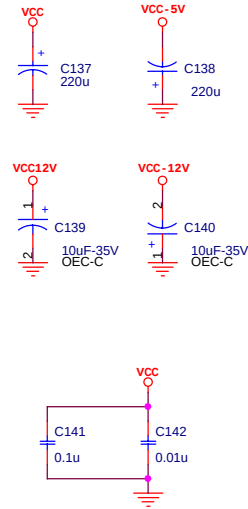
ADVANTECH			
Title			
PCI Slot 0,2			
Size	Document Number		
	SOM-DB4400 A2 03-1		
Date:	Thursday, September 09, 2004	Sheet	19 of 33
			Rev A2

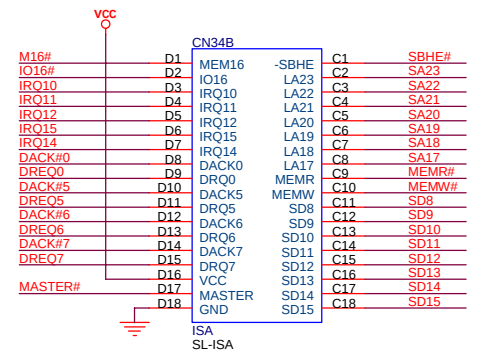
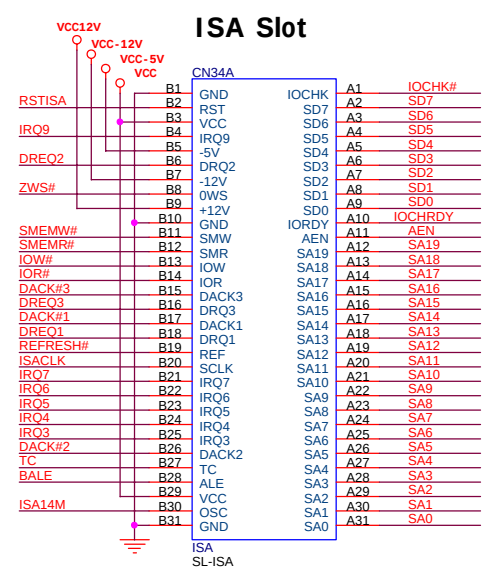
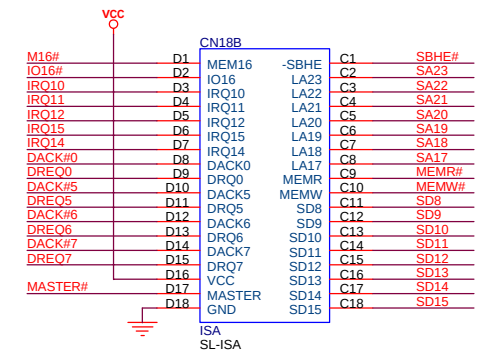
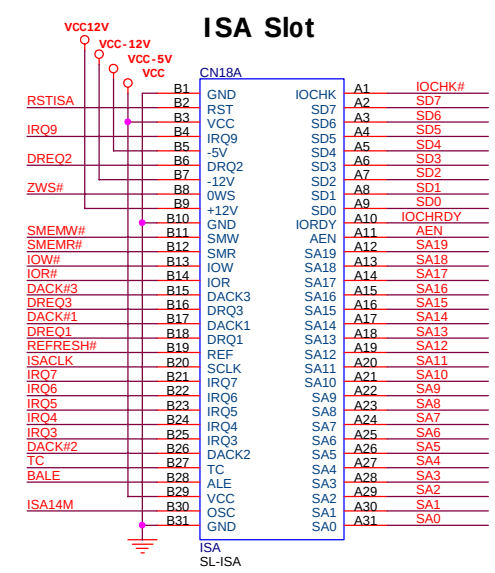
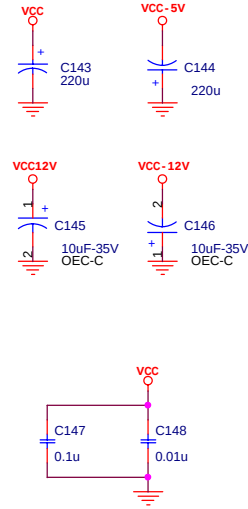
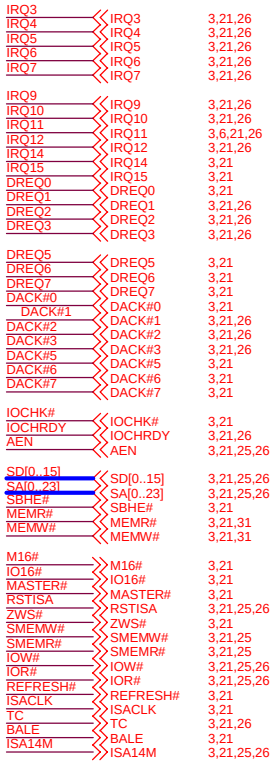


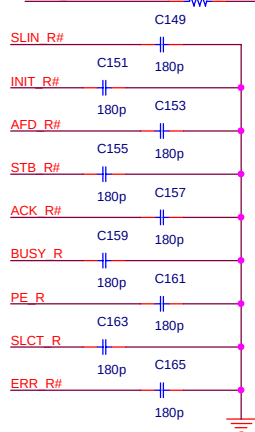
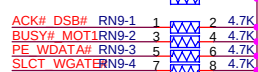
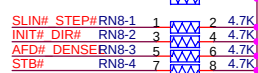
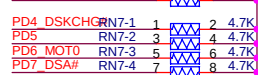
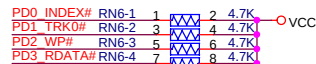
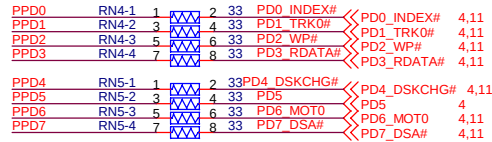
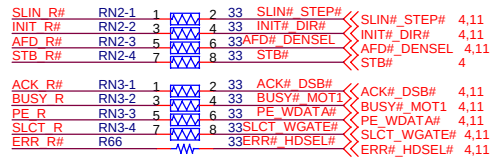
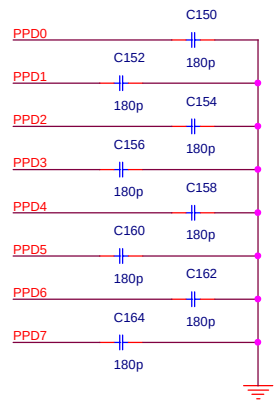
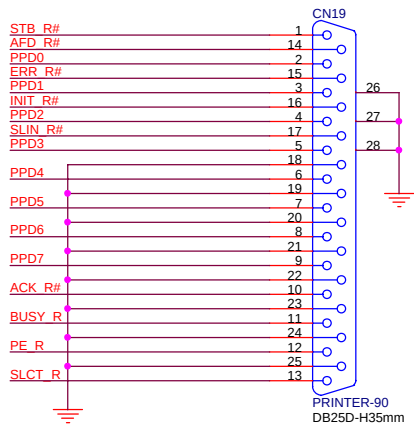
CN33 IDSEL
1-2 AD22
2-3 AD26

ADVANTECH			
Title			
PCI Slot 1,3			
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	SOM-DB4400 A2 03-1		A2
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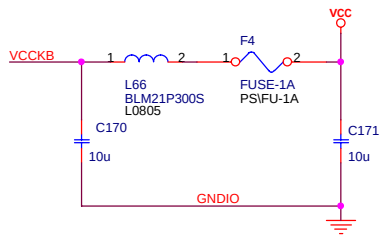
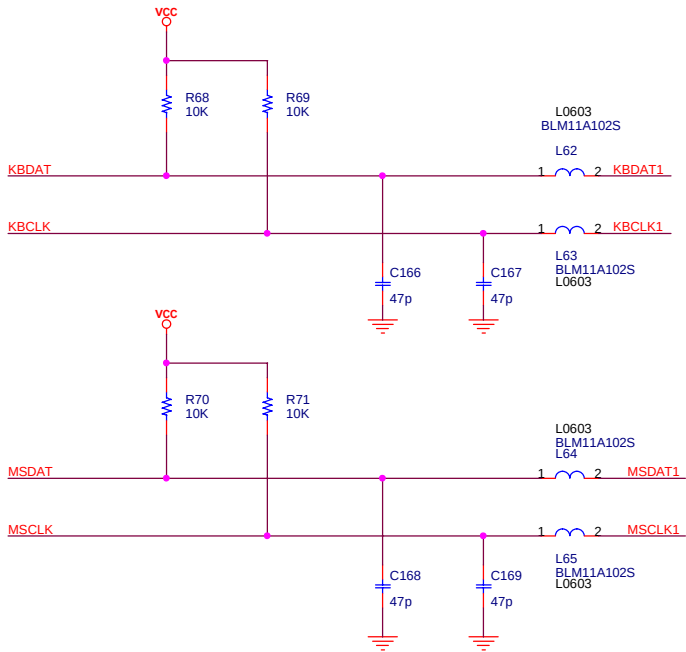
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IRQ4	<< IRQ4	3,22,26
IRQ5	<< IRQ5	3,22,26
IRQ6	<< IRQ6	3,22,26
IRQ7	<< IRQ7	3,22,26
IRQ9	<< IRQ9	3,22,26
IRQ10	<< IRQ10	3,22,26
IRQ11	<< IRQ11	3,6,22,26
IRQ12	<< IRQ12	3,22,26
IRQ14	<< IRQ14	3,22
IRQ15	<< IRQ15	3,22
DREQ0	<< DREQ0	3,22
DREQ1	<< DREQ1	3,22,26
DREQ2	<< DREQ2	3,22,26
DREQ3	<< DREQ3	3,22,26
DREQ5	<< DREQ5	3,22
DREQ6	<< DREQ6	3,22
DREQ7	<< DREQ7	3,22
DACK#0	<< DACK#0	3,22
DACK#1	<< DACK#1	3,22,26
DACK#2	<< DACK#2	3,22,26
DACK#3	<< DACK#3	3,22,26
DACK#5	<< DACK#5	3,22
DACK#6	<< DACK#6	3,22
DACK#7	<< DACK#7	3,22
IOCHK#	<< IOCHK#	3,22
IOCHRDY	<< IOCHRDY	3,22,26
AEN	<< AEN	3,22,25,26
SD[0..15]	<< SD[0..15]	3,22,25,26,31
SA[0..23]	<< SA[0..23]	3,22,25,26,31
SBHE#	<< SBHE#	3,22
MEMR#	<< MEMR#	3,22,31
MEMW#	<< MEMW#	3,22,31
M16#	<< M16#	3,22
IO16#	<< IO16#	3,22
MASTER#	<< MASTER#	3,22
RSTISA	<< RSTISA	3,22,25,26
ZWS#	<< ZWS#	3,22
SMEMW#	<< SMEMW#	3,22,25
SMEMR#	<< SMEMR#	3,22,25
IOW#	<< IOW#	3,22,25,26
IOR#	<< IOR#	3,22,25,26
REFRESH#	<< REFRESH#	3,22
ISACK	<< ISACK	3,22
TC	<< TC	3,22,26
BALE	<< BALE	3,22
ISA14M	<< ISA14M	3,22,25,26



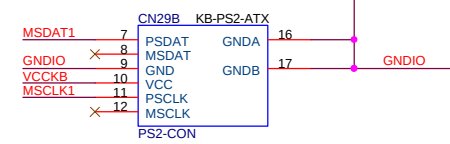
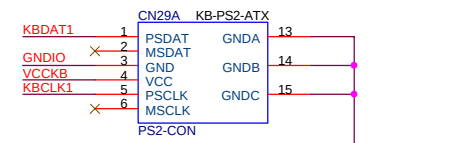




ADVANTECH			
Title			
Parallel Port DB25 High 90 conn			
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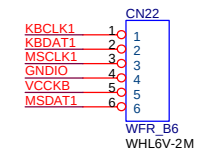


KBD/MS PS/2



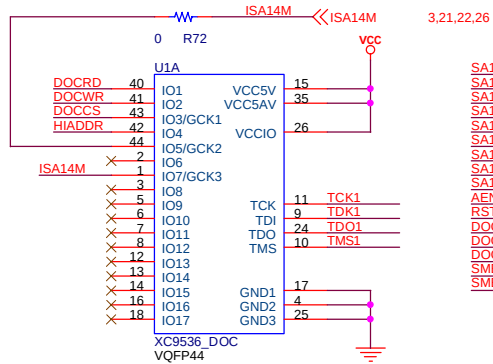
KBD/MS PS/2

KBD/MS CONN 2.0mm

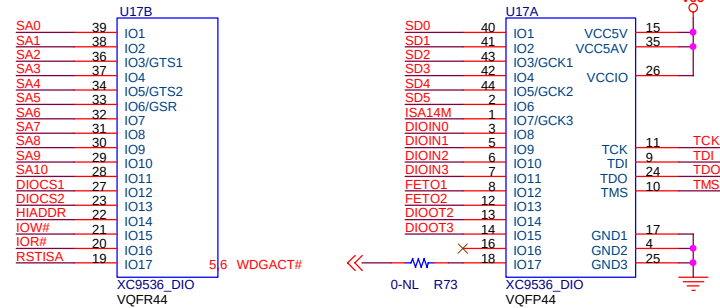


ADVANTECH			
Title			
PS2 MINIDIN6&6PIN WAFER			
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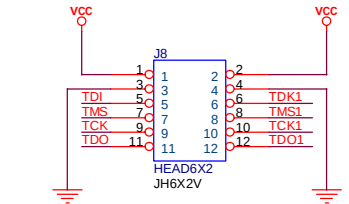
DOC2000



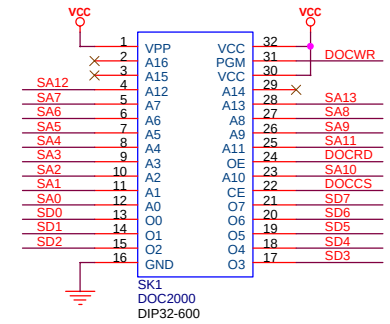
WDT/DIO



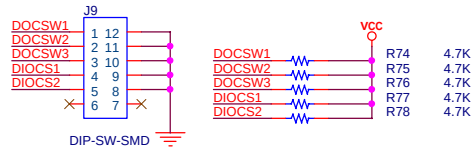
Note: IF need watch dog function support on the SOM module please set resistor on.



DOC2000 SOCKET



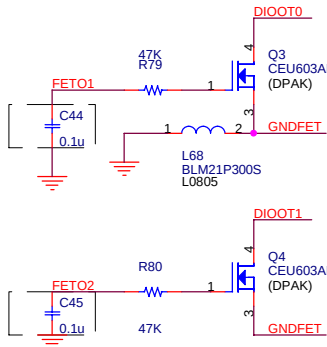
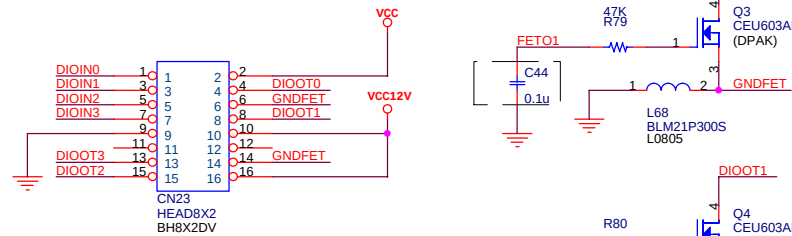
DOC2000/DIO ADDRESS SELECT



Setting DOC2000 Seg. and DIO address
-HAADDR ==> SA19 ~ SA11 = 0H
DOCS ==> SA19 ~ SA12

C8000	D0000
CA000	D2000
CC000	D4000
CE000	D6000
NC	D600*
NC	DIO
7-8	210
9-10	220
7-8/9-10	230*

Digital I/O Connector



2002/5/10
Add. C44 and C45

ISA14M	ISA14M	3.21,22,26
SMEMW#	SMEMW#	3.21,22
SMEMR#	SMEMR#	3.21,22
IOW#	IOW#	3.21,22,26
IOR#	IOR#	3.21,22,26
AEN	AEN	3.21,22,26
RSTISA	RSTISA	3.21,22,26

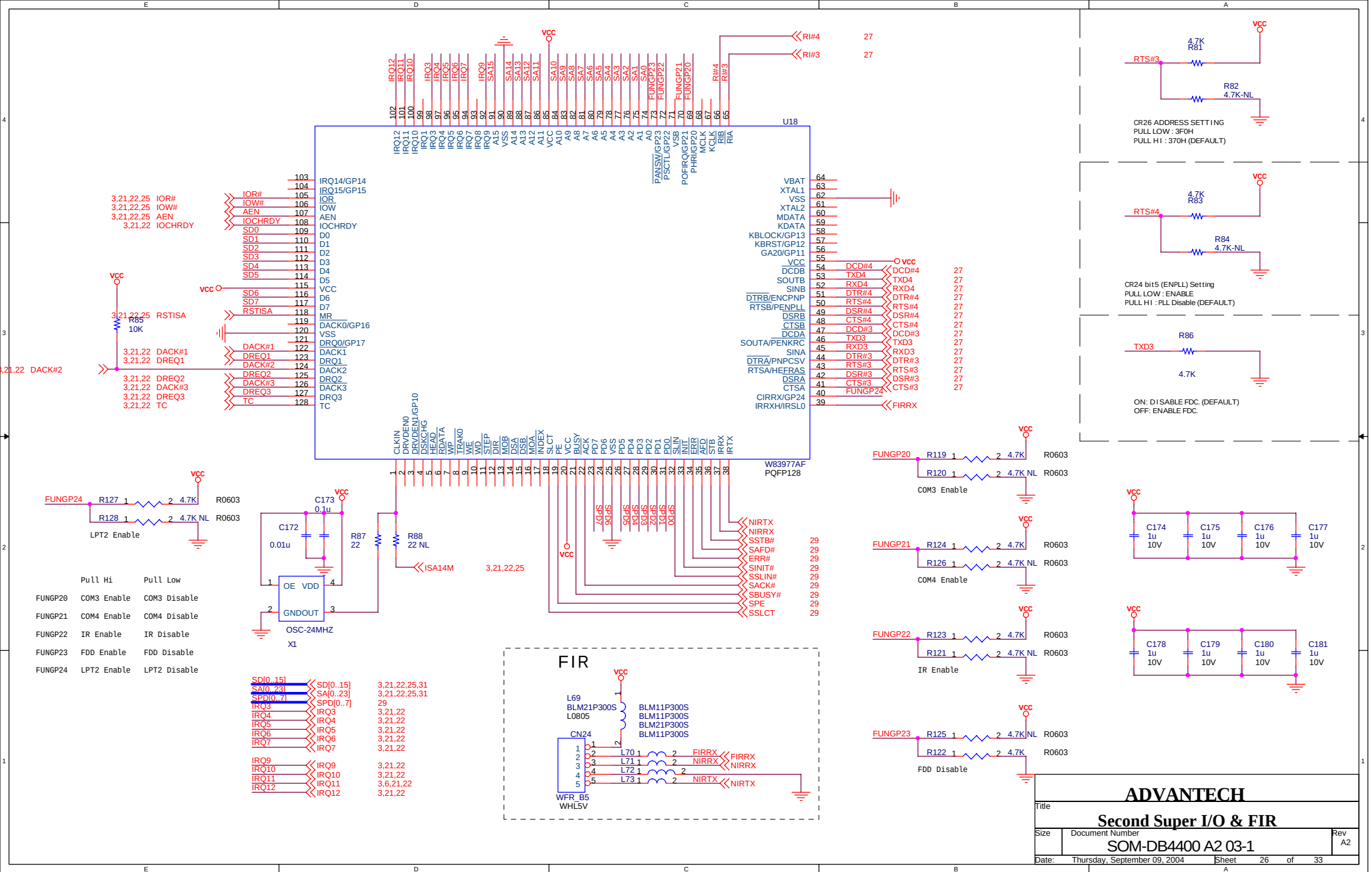
SA[0..23]	SA[0..23]	3.21,22,26,31
SD[0..15]	SD[0..15]	3.21,22,26,31

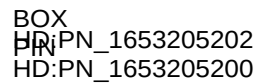
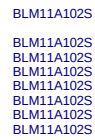
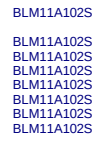
ADVANTECH

WDG & DIO & DOC2000

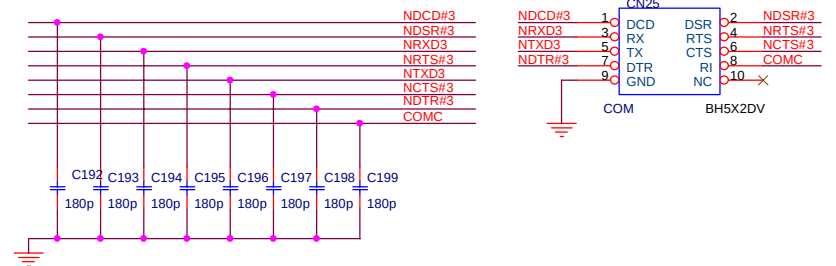
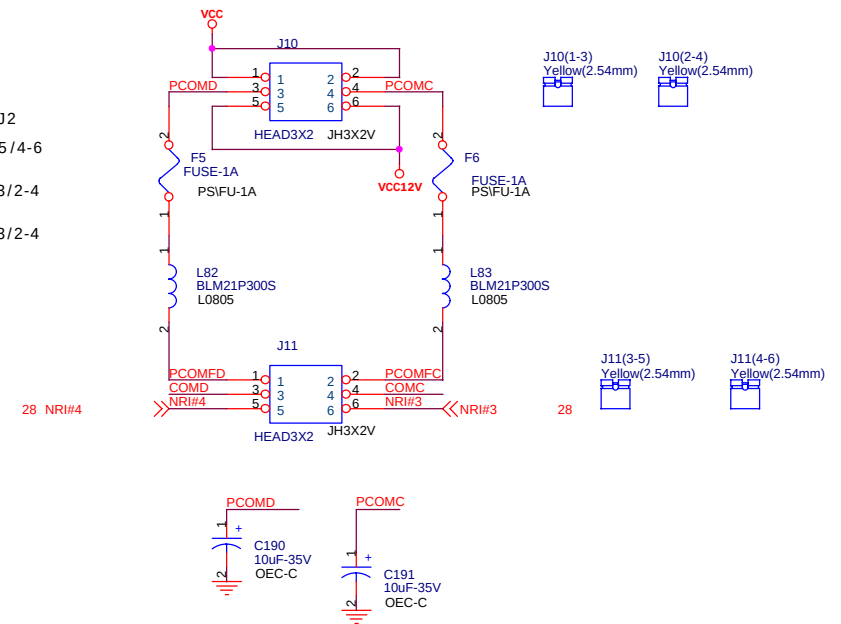
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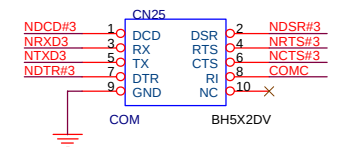




	J1	J2
RING	DON'T CARE	3-5/4-6
VCC	1-3/2-4	1-3/2-4
+12V	3-5/4-6	1-3/2-4

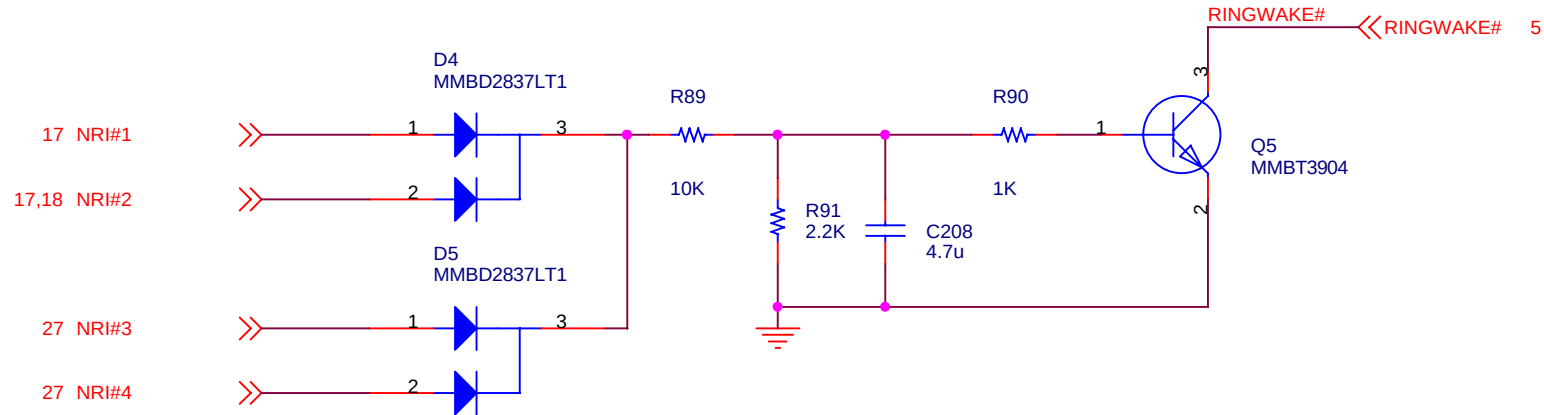


COM3



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Title				
COM3.4 BOX Header				
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Wake On Modem



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Wake On Modem

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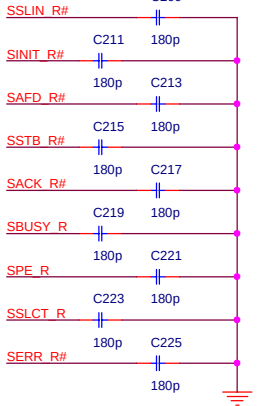
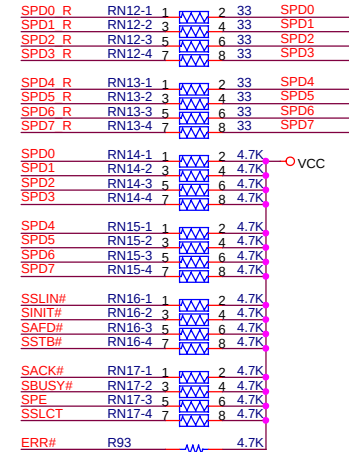
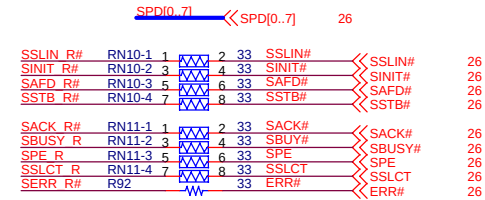
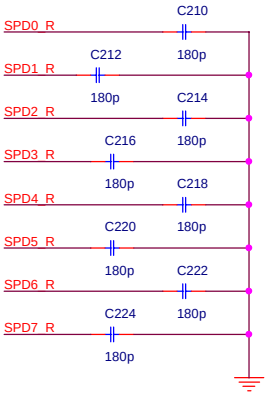
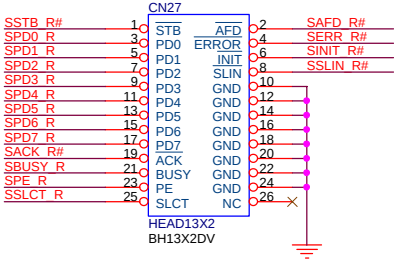
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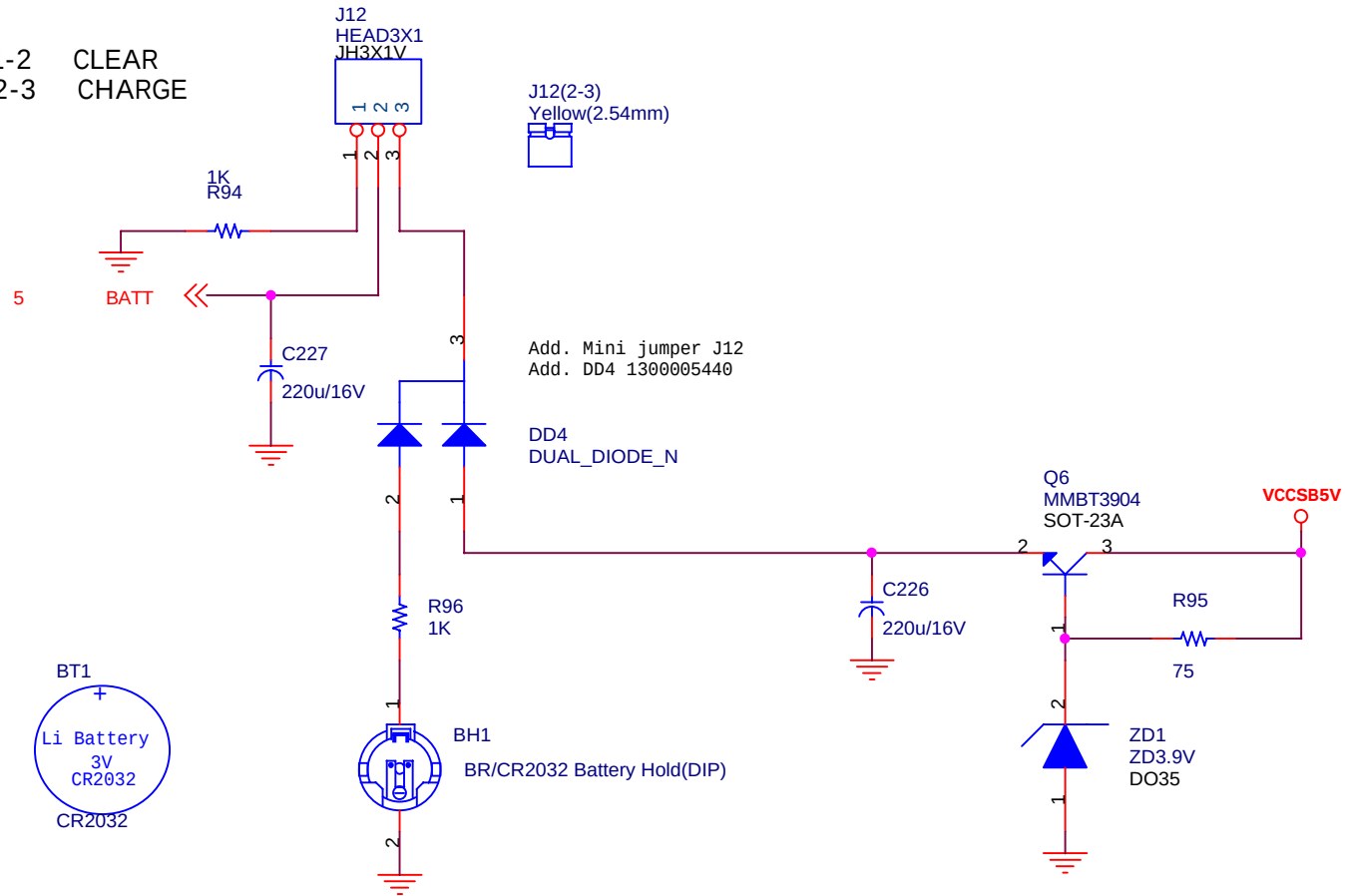
PN: 1653413200



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Title			
Second Parallel Port BOX Header			
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RTC POWER

1-2 CLEAR
2-3 CHARGE



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Title

RTC Power CR2032

Size

Document Number

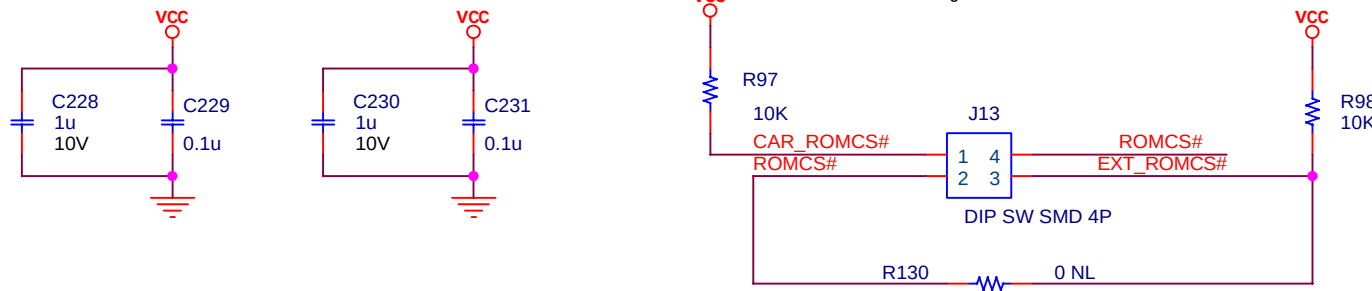
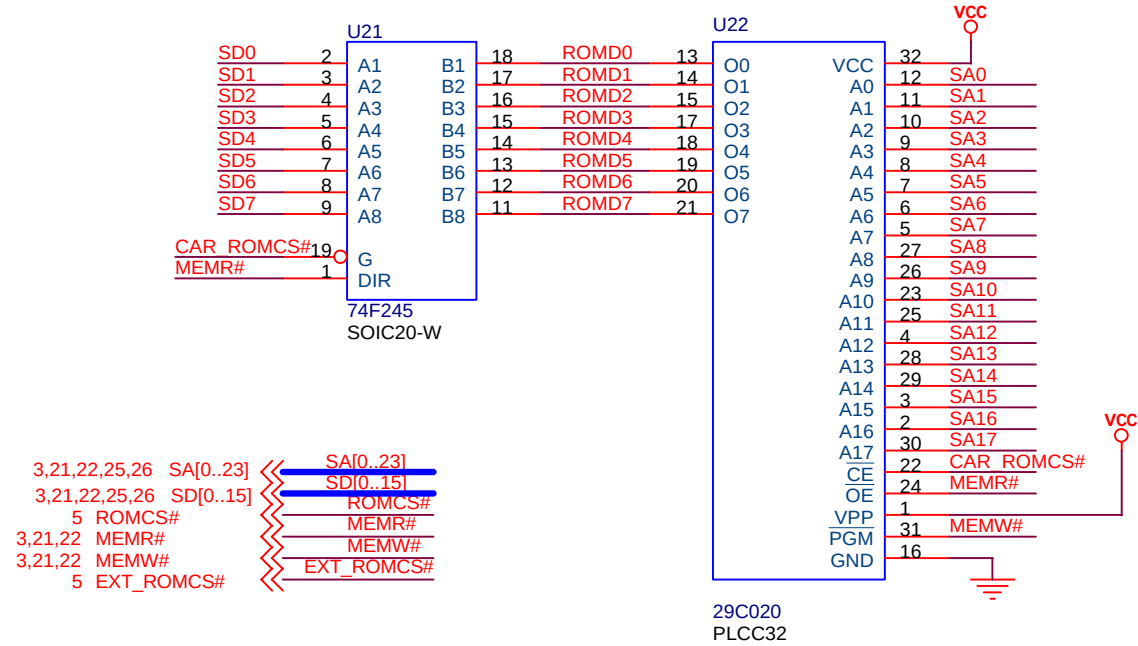
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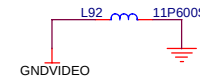
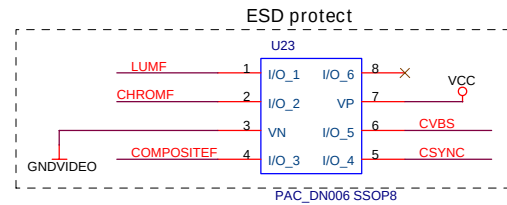
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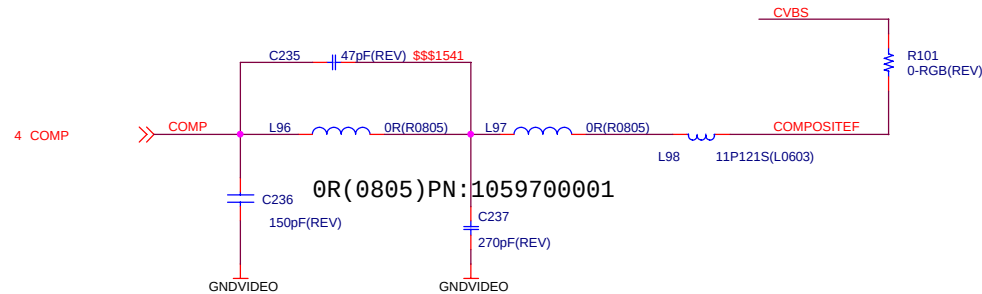
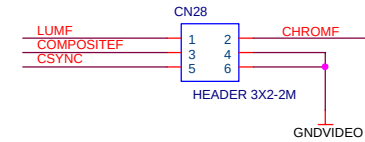
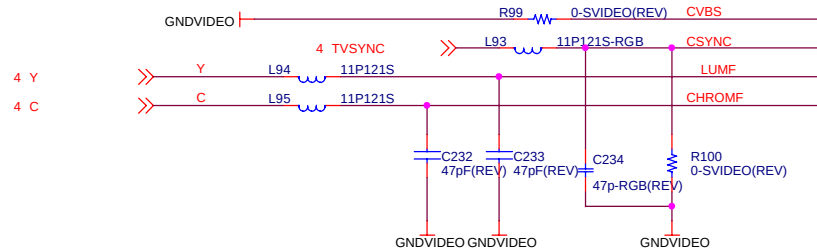
PLCC BIOS



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Second Flash PLCC32		
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keep the GNDVIDEO at
a wide trace 40mils
and connect to HOLE



COMPOSITE VIDEO OUTPUT
(NTSC / PAL)

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TV PIN HEADER			
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