

Reserve for sharp  
+12V panel power

+12V\_FIX  
SHARP PANEL POWER

SHARP PANEL POWER

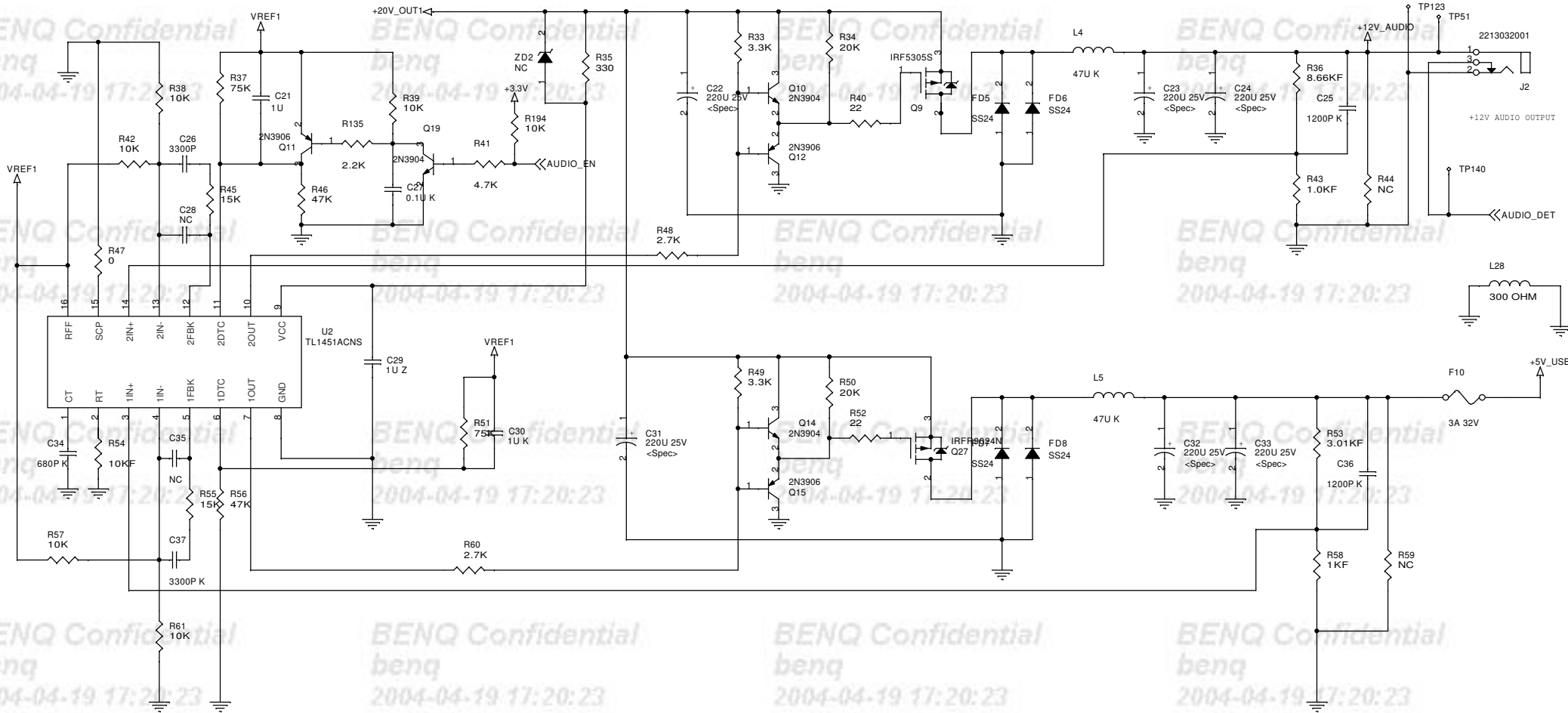
VREF

+5V\_FIX

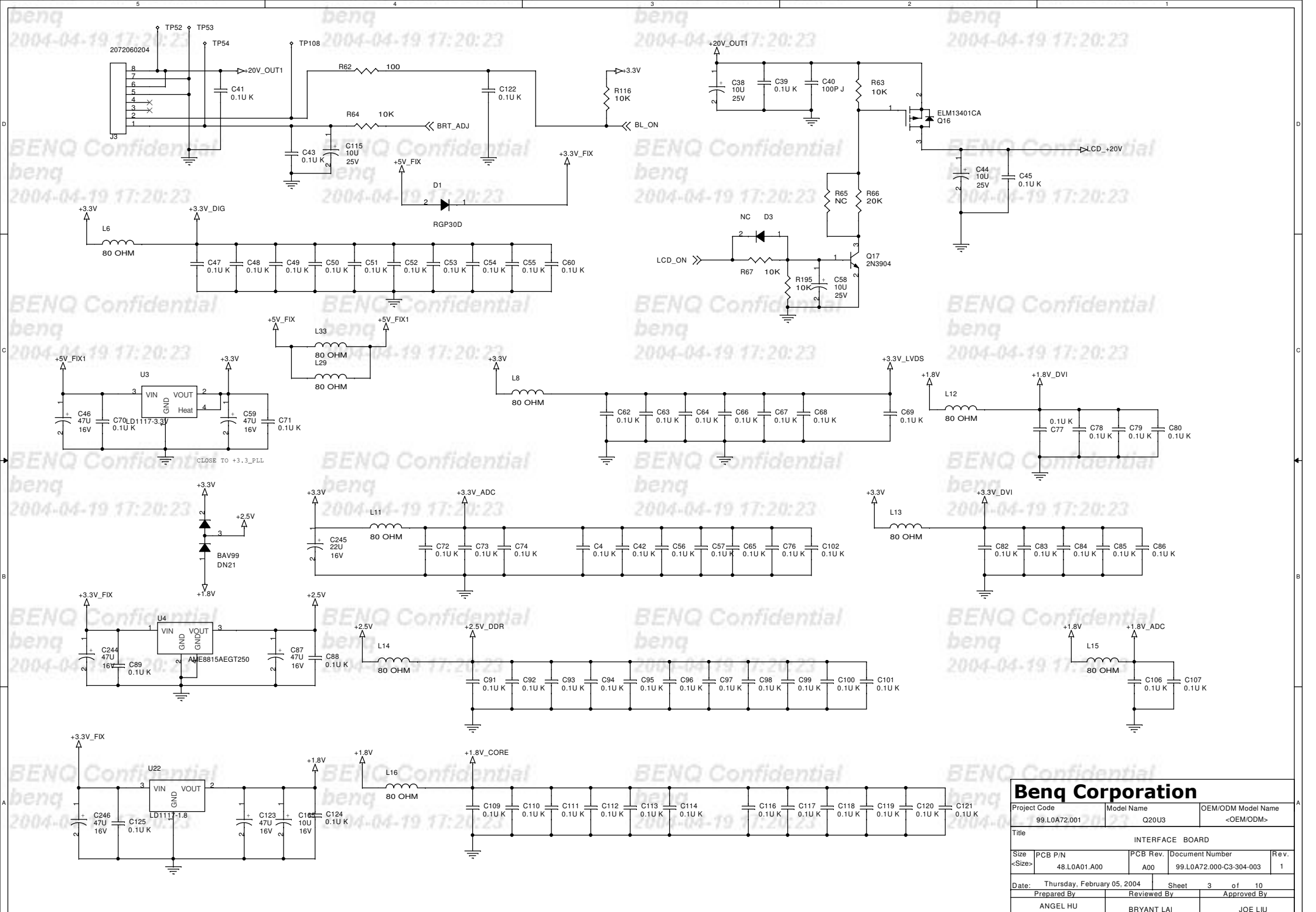
PANEL POWER  
INVERTER POWER

Use push button to control system +20V\_OUT1

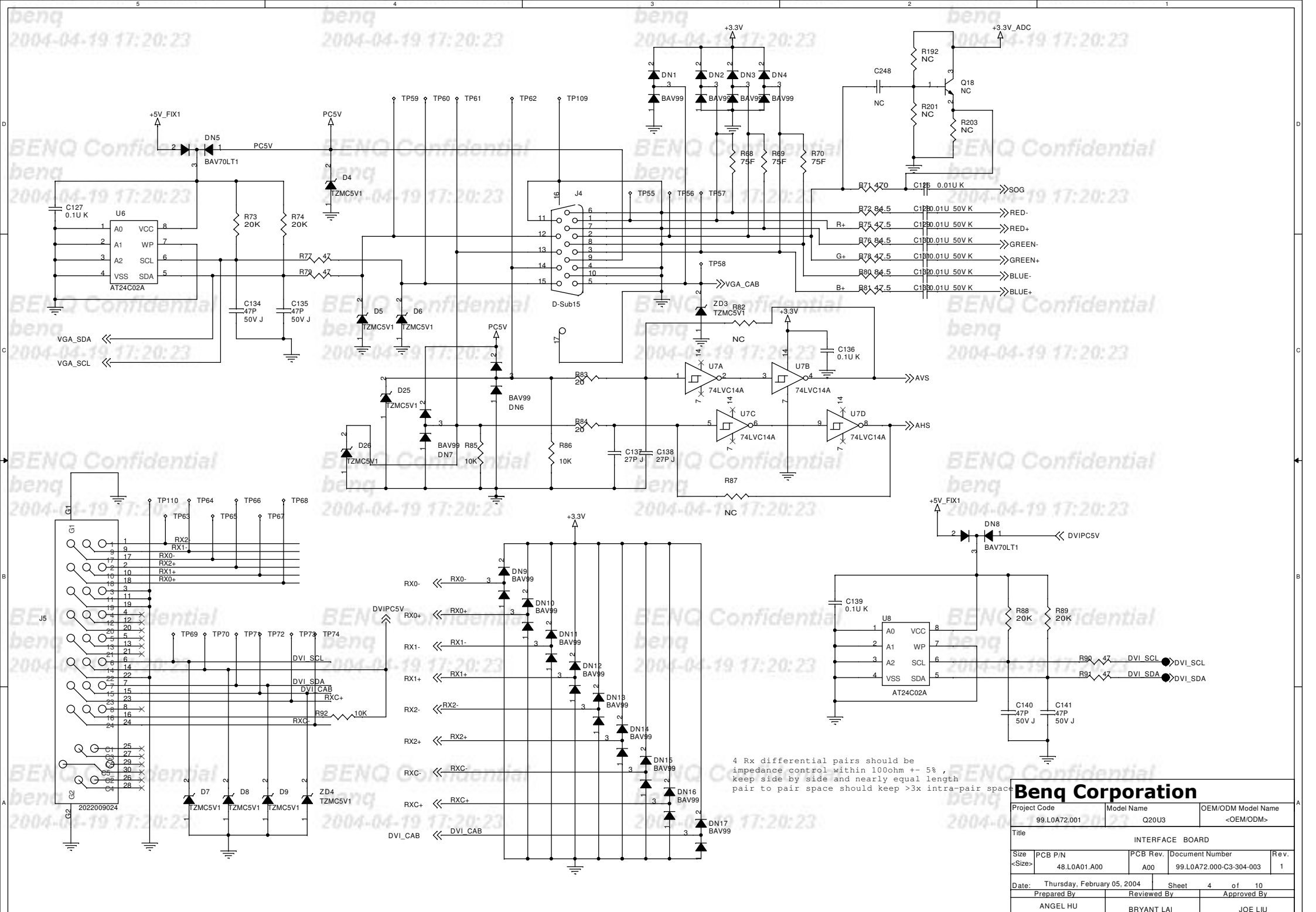
<b>Benq Corporation</b>		
Project Code 99.L0A72.001	Model Name Q20U3	OEM/ODM Model Name <OEM/ODM>
Title INTERFACE BOARD		
Size <Size> 48.L0A01.A00	PCB Rev. A00	Document Number 99.L0A72.000-C3-304-003
Date: Thursday, February 05, 2004	Sheet 1	of 10
Prepared By ANGEL HU	Reviewed By BRYANT LAI	Approved By JOE LIU



Benq Corporation			
Project Code	Model Name	OEM/ODM Model Name	
99.L0A72.001	Q20U3	<OEM/ODM>	
Title			
INTERFACE BOARD			
Size	PCB P/N	PCB Rev.	Document Number
<Size>	48.L0A01.A00	A00	99.L0A72.000-C3-304-003
Date:	Thursday, February 05, 2004	Sheet	2 of 10
Prepared By	Reviewed By	Approved By	
ANGEL HU	BRYANT LAI	JOE LIU	

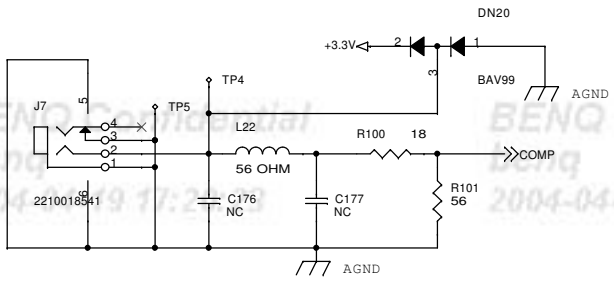
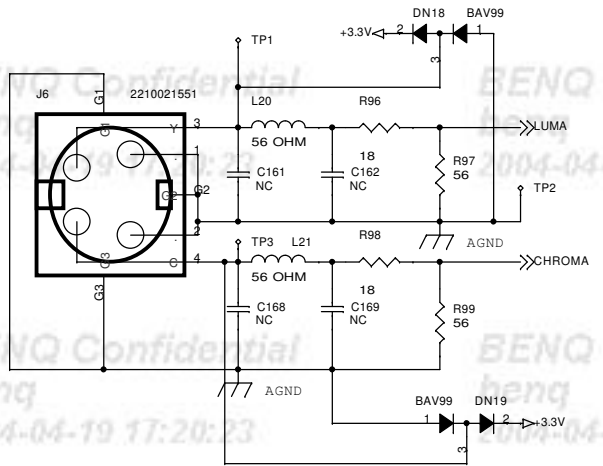
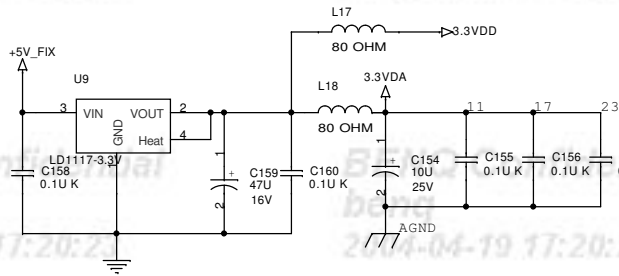


<b>Benq Corporation</b>		
Project Code 99.L0A72.001	Model Name Q20U3	OEM/ODM Model Name <OEM/ODM>
Title INTERFACE BOARD		
Size <Size>	PCB P/N 48.L0A01.A00	PCB Rev. A00
	Document Number 99.L0A72.000-C3-304-003	Rev. 1
Date: Thursday, February 05, 2004	Sheet 3	of 10
Prepared By ANGEL HU	Reviewed By BRYANT LAI	Approved By JOE LIU

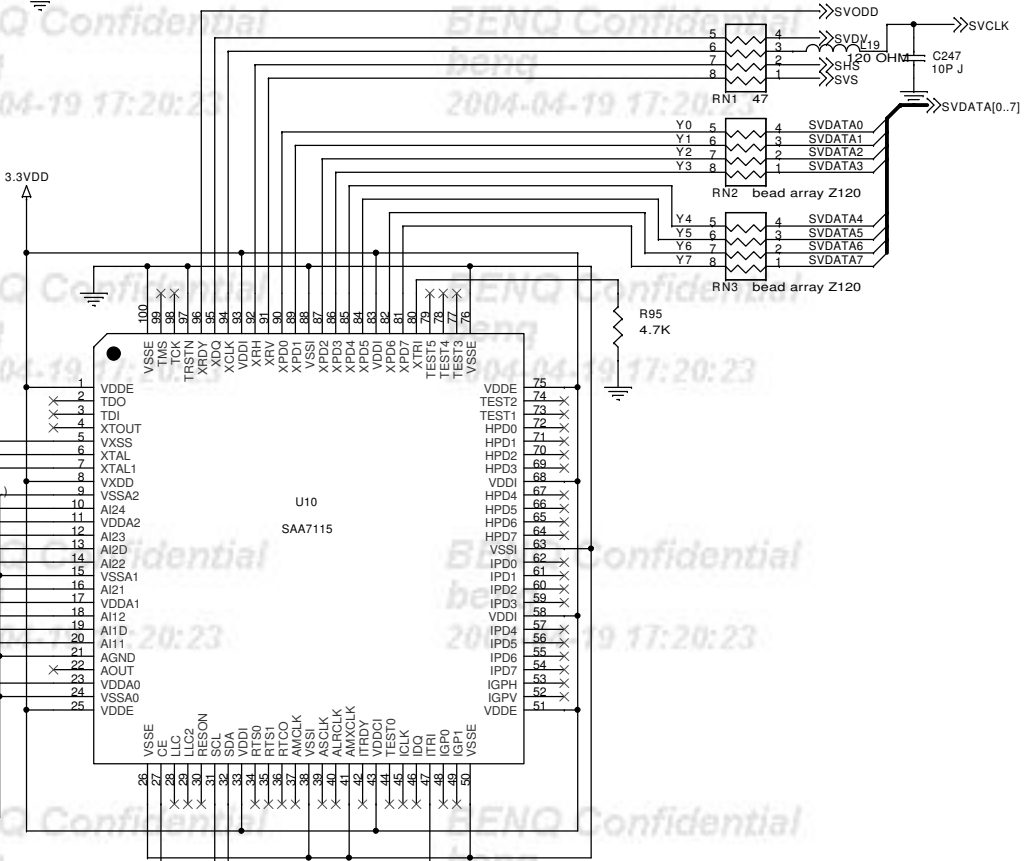
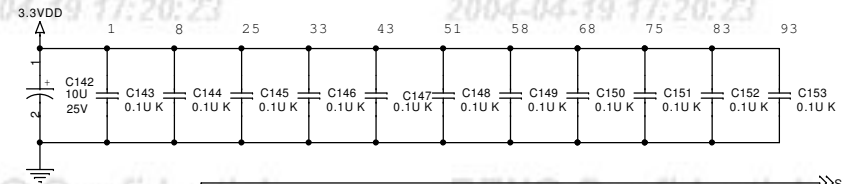
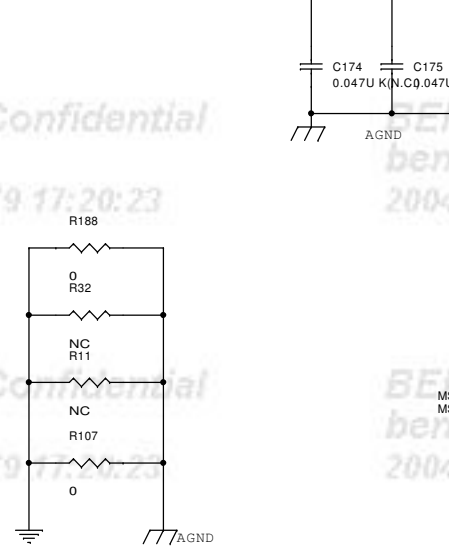
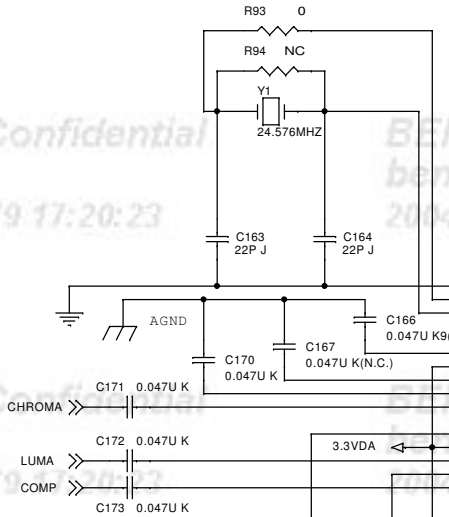


4 Rx differential pairs should be impedance control within 100ohm +- 5% , keep side by side and nearly equal length pair to pair space should keep >3x intra-pair space

<b>Benq Corporation</b>		
Project Code 99.L0A72.001	Model Name Q20U3	OEM/ODM Model Name <OEM/ODM>
Title INTERFACE BOARD		
Size <Size>	PCB P/N 48.L0A01.A00	Document Number 99.L0A72.000-C3-304-003
Date: Thursday, February 05, 2004	Sheet 4	of 10
Prepared By ANGEL HU	Reviewed By BRYANT LAI	Approved By JOE LIU



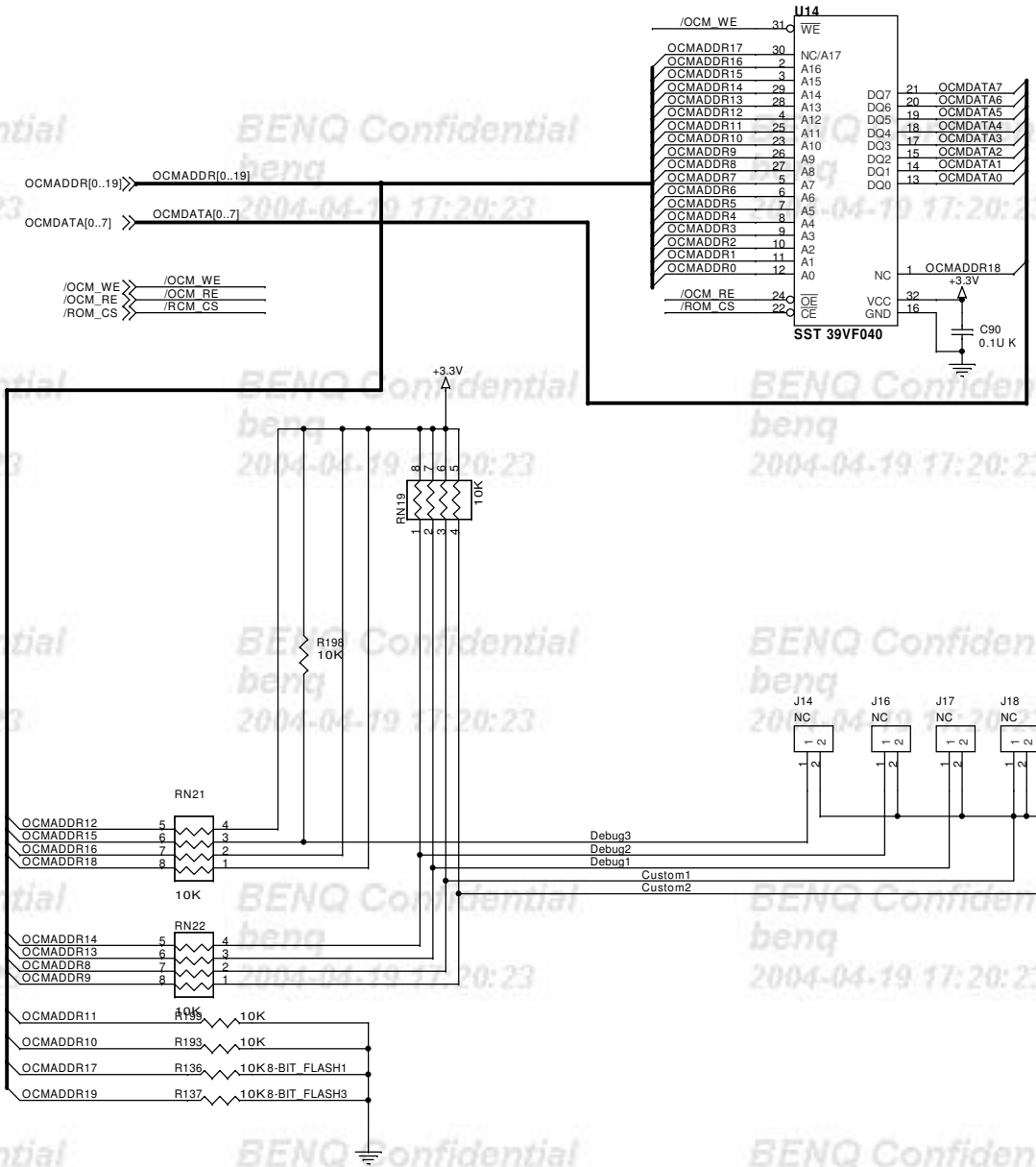
X'TAL should be placed near IC



<b>Benq Corporation</b>		
Project Code 99.L0A72.001	Model Name Q20U3	OEM/ODM Model Name <OEM/ODM>
INTERFACE BOARD		
Title 48.L0A01.A00	PCB Rev. 99.L0A72.000-C3-304-003	Document Number 1
Date: Thursday, February 05, 2004	Sheet 5 of 10	Rev. 1
Prepared By ANGEL HU	Reviewed By BRYANT LAI	Approved By JOE LIU



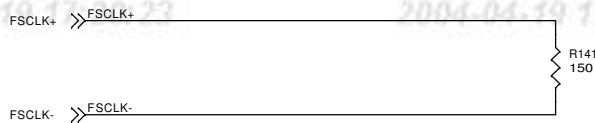
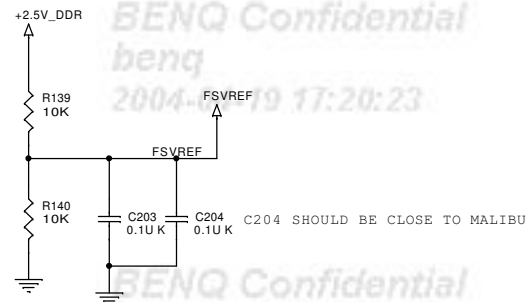
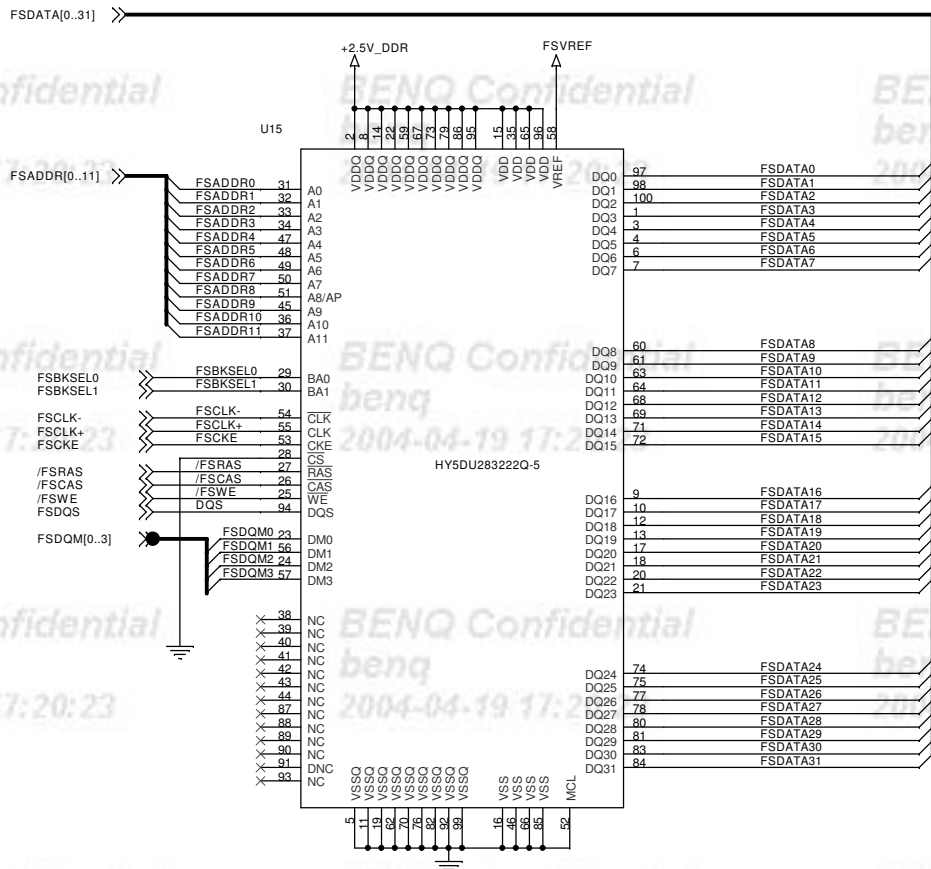
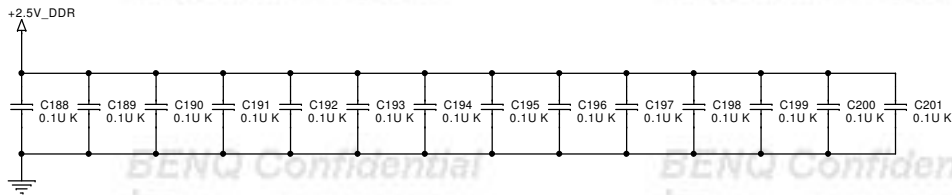
Socket for a X8 Flash (64/128/256/512K) and PROMJETmemory Emulator



10: LOW (Use TCLK)
11: LOW (set all display output to '0')
12: LOW
13: LOW(disable serial interface debug)
14: LOW
15: LOW
16: HIGH (use crystal)
17: LOW (8bit bus with OCM access external ROM)
18: HIGH
19: LOW

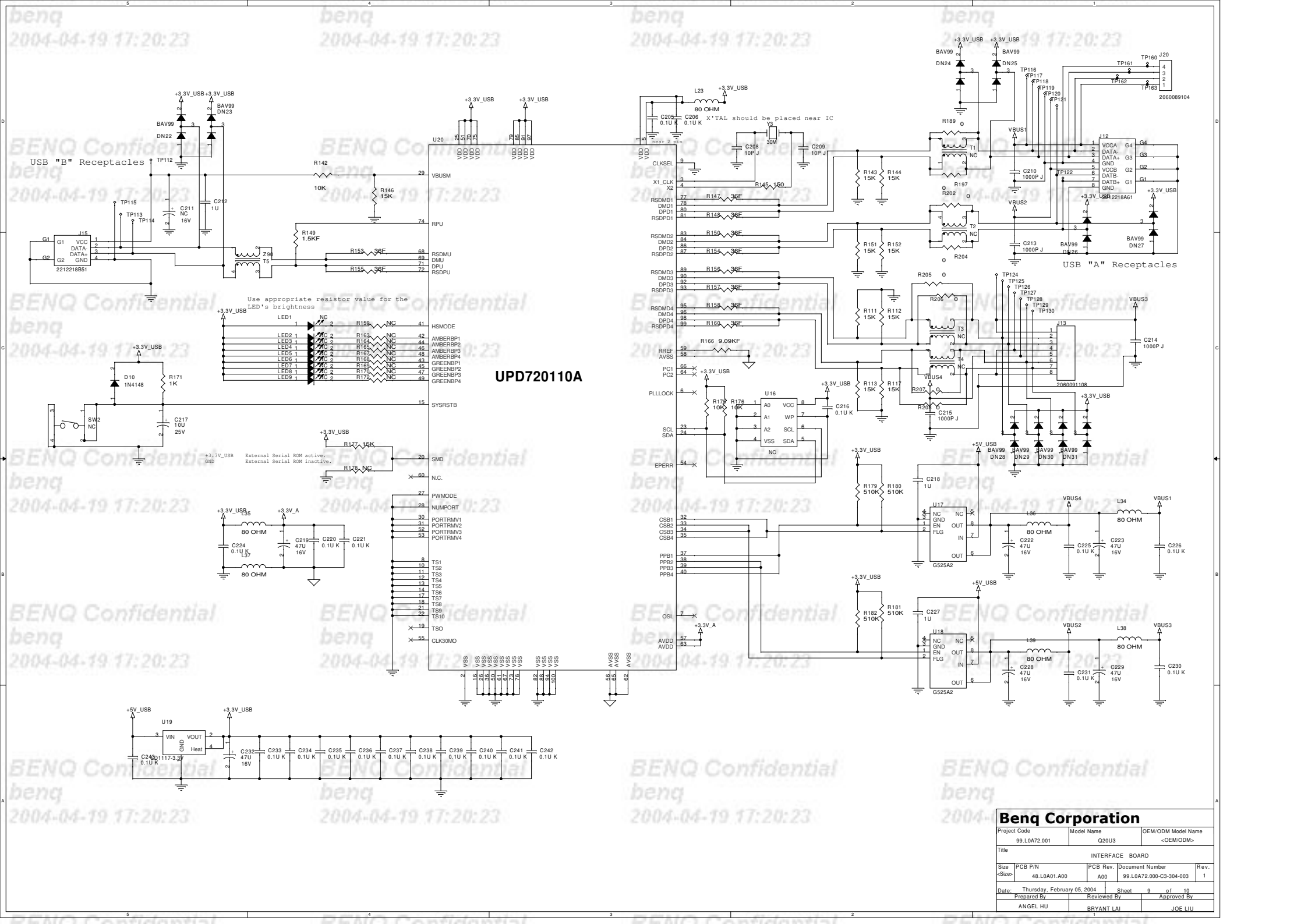
BOOTSTRAP HEADER  
OPEN=1  
SHUNTED=0

<b>Benq Corporation</b>			
Project Code	Model Name	OEM/ODM Model Name	
99.L0A72.001	Q20U3	<OEM/ODM>	
Title			
INTERFACE BOARD			
Size	PCB P/N	PCB Rev.	Document Number
<Size>	48.L0A01.A00	A00	99.L0A72.000-C3-304-003
Date:	Thursday, February 05, 2004	Sheet	7 of 10
Prepared By	Reviewed By	Approved By	
ANGEL HU	BRYANT LAI	JOE LIU	



### Beng Corporation

Project Code	Model Name	OEM/ODM Model Name
99.L0A72.001	Q20U3	<OEM/ODM>
Title		
INTERFACE BOARD		
Size	PCB P/N	PCB Rev.
<Size>	48.L0A01.A00	A00
Document Number	99.L0A72.000-C3-304-003	Rev.
		1
Date:	Thursday, February 05, 2004	Sheet 8 of 10
Prepared By	Reviewed By	Approved By
ANGEL HU	BRYANT LAI	JOE LIU

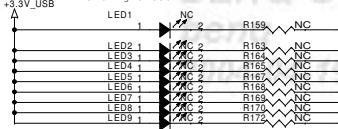


USB "B" Receptacles

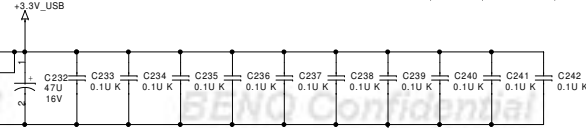
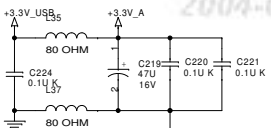
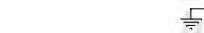
USB "A" Receptacles

UPD720110A

Use appropriate resistor value for the LED's brightness



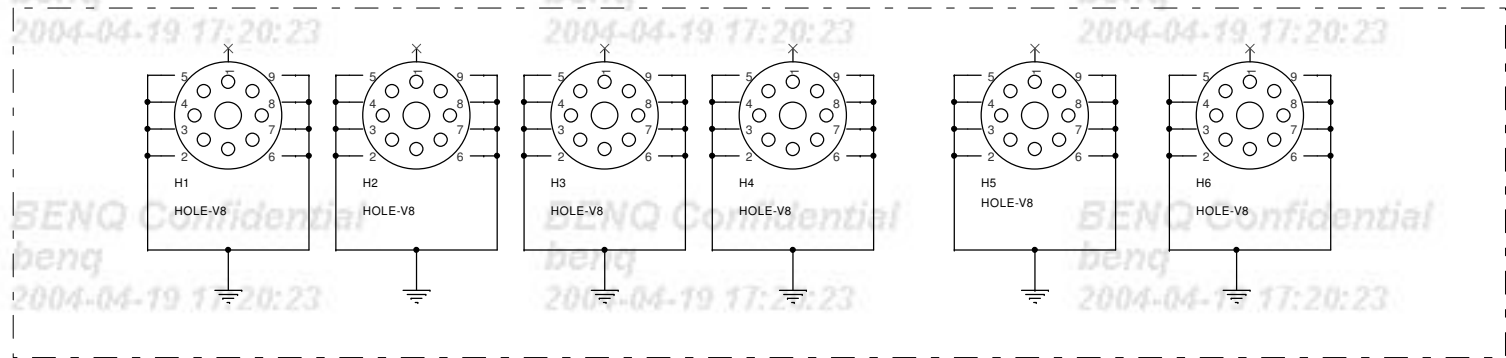
External Serial ROM active,  
External Serial ROM inactive.



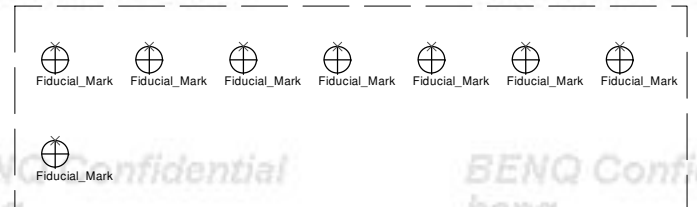
Benq Corporation		
Project Code	Model Name	OEM/ODM Model Name
99.L0A72.001	Q20U3	<OEM/ODM>
Title		
INTERFACE BOARD		
Size	PCB P/N	PCB Rev. Document Number
<Size>	48.L0A01.A00	A00 99.L0A72.000-C3-304-003
Date:	Thursday, February 05, 2004	Sheet 9 of 10
Prepared By	Reviewed By	Approved By
ANGEL HU	BRYANT LAI	JOE LIU

BENQ Confidential  
benq  
2004-04-19 17:20:23

Screw Holes



Optical Points



<b>Benq Corporation</b>			
Project Code	Model Name	OEM/ODM Model Name	
99.L0A72.001	Q20U3	<OEM/ODM>	
Title			
INTERFACE BOARD			
Size	PCB P/N	PCB Rev.	Document Number
<Size>	48.L0A01.A00	A00	99.L0A72.000-C3-304-003
Date:	Thursday, February 05, 2004	Sheet	10 of 10
Prepared By	Reviewed By	Approved By	
ANGEL HU	BRYANT LAI	JOE LIU	