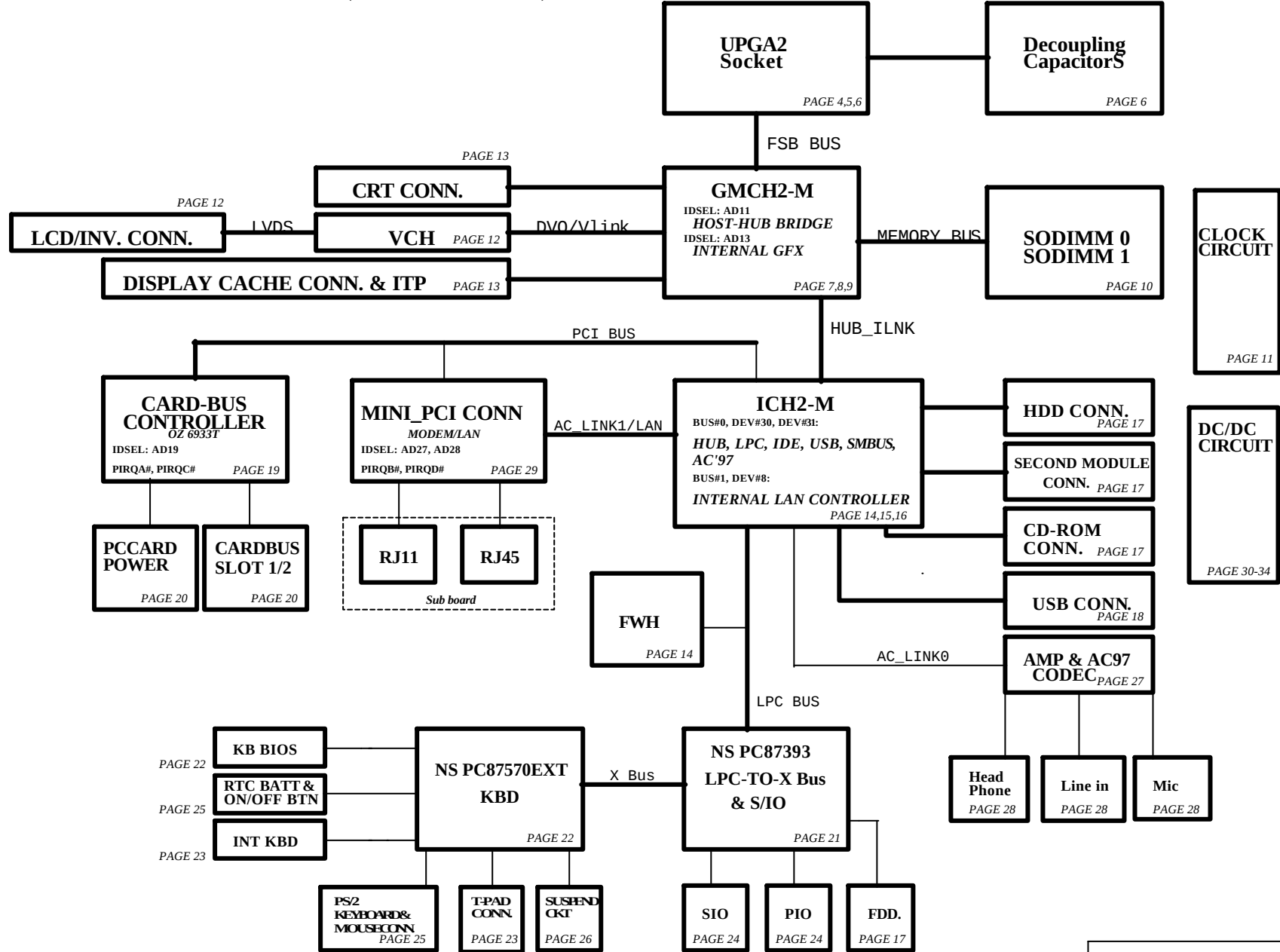


COMPAL CONFIDENTIAL
MODEL NAME : 888L2(SOLANO2-M)
Date: 01/11/01
Version: 2.0

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Compal Electronics, Inc.			
Title Cover Sheet			
Size	Document Number 888L2 Main Board		Rev 2.0
Date:	Thursday, January 11, 2001	Sheet	1 of 42

MODEL NAME : 888L2 (SOLANO2-M)



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Compal Electronics, Inc.			
Title			
System Block Diagram			
Size		Document Number	Rev
		888L2 Main Board	20
Date:		Thursday, January 11, 2001	Sheet 2 of 42

Revision History			
#	Date	Description	Version
1	2000/7/21	First Release (EVT-SST)	0.1
2	2000/9/20	Second Release (DVT1-PT1)	0.2A
3	2000/11/3	Third Release (DVT2-PT2)	0.2C1
4	2000/12/27	Fouth Release (ST)	1B
5	2001/01/11	fifth release (QT)	2.0

Chip information

GMCH2-M FW82815EM

Version	S-spec.	Q-spec.
A0		QA38
A1	SL4MP	QA75

ICH2-M FW82801BAM

Version	S-spec.	Q-spec.
A0		Q908, Q909, Q910, Q911, Q912
B0	SL45HQ	Q967, Q968
B1	SL4HN	QA36, QA37
B2		QA56, QA57

VCH FW82807AA

Version	S-spec.	Q-spec.
A0		Q989
A1		QA76
A2		QB41ES

EVT (SST)

GMCH2-M	QA38ES (A0)
ICH2-M	Q967ES (B0)
VCH	Q989ES (A0)

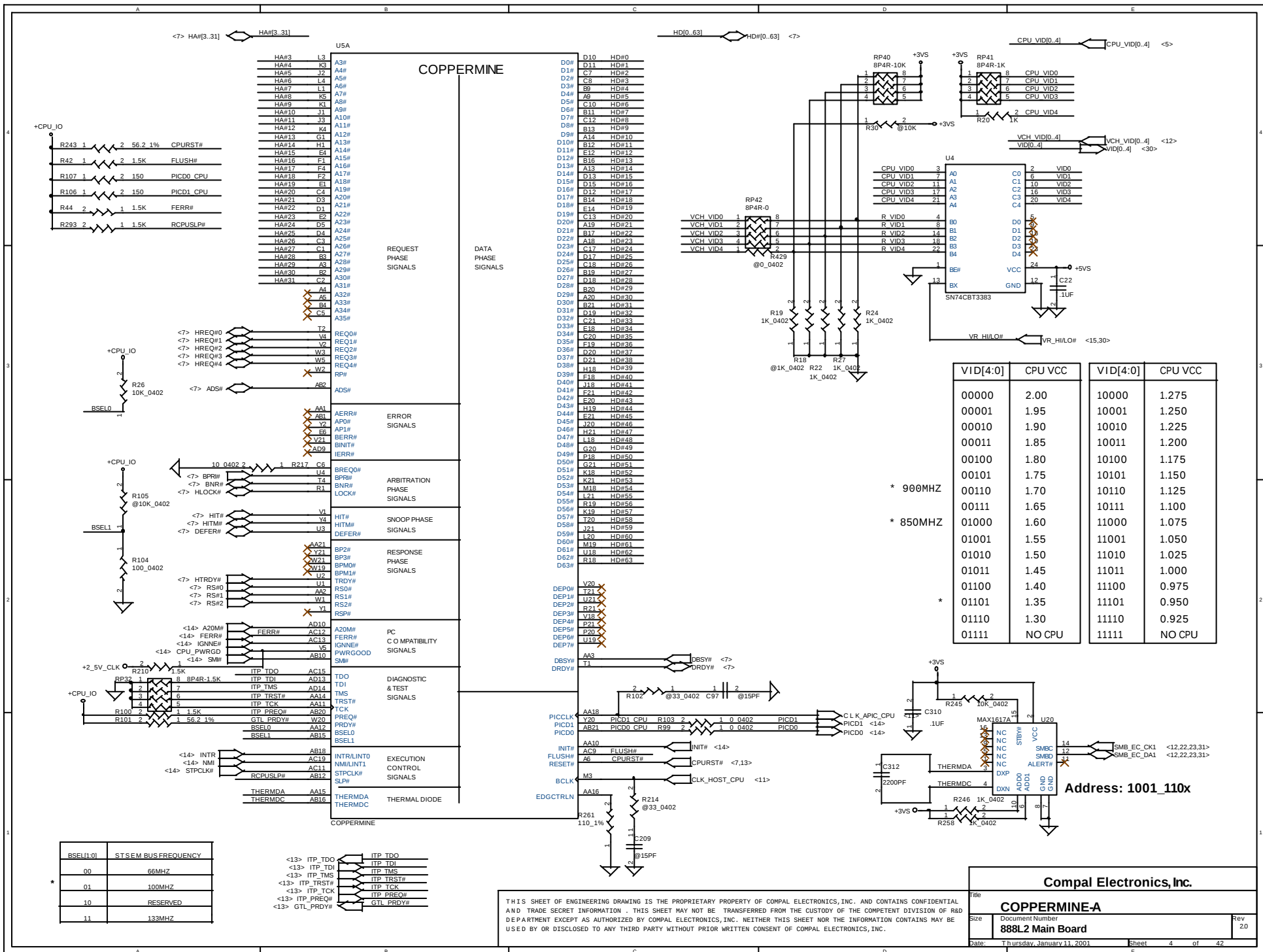
DVT1 (PT1)	DVT2 (PT2)
GMCH2-M	QA75ES (A1)
ICH2-M	QA57ES (B2)
VCH	Q076ES (A1)

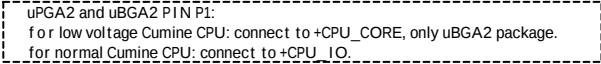
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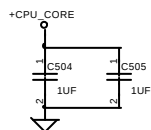
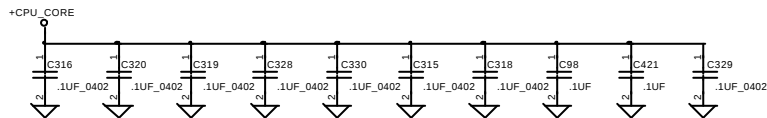
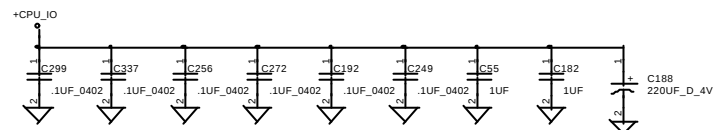
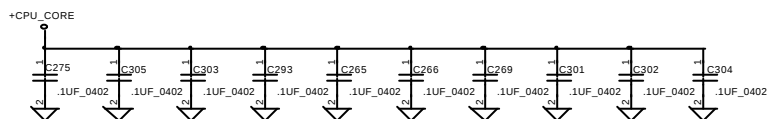
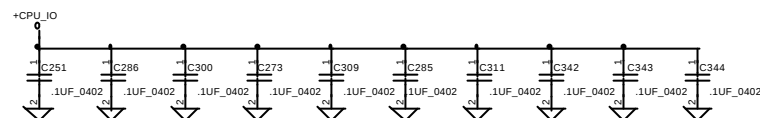
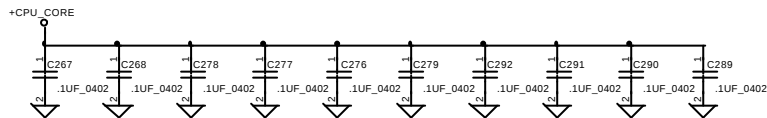
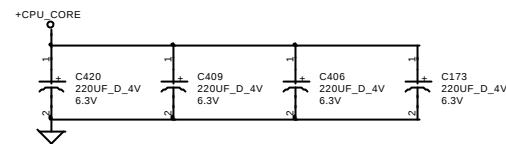
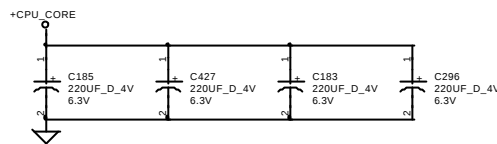
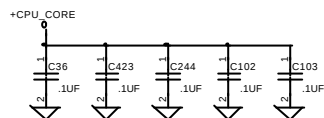
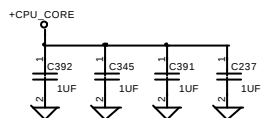
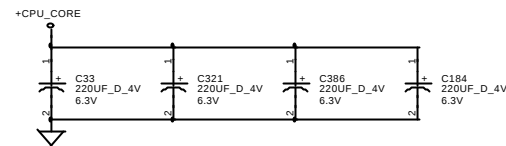
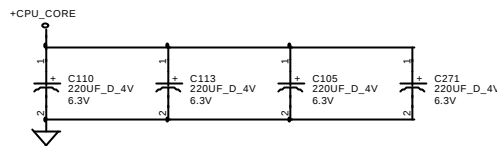
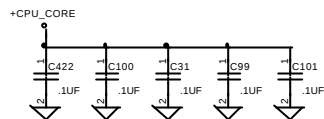
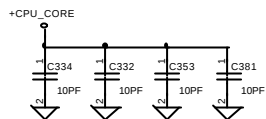
GMCH2-M	A1
ICH2-M	B2
VCH	A2

QT same as ST

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Title			
Revision History			
Size	Document Number		Rev
	888L2 Main Board		2.0
Date:	Thursday, January 11, 2001	Sheet	3 of 42

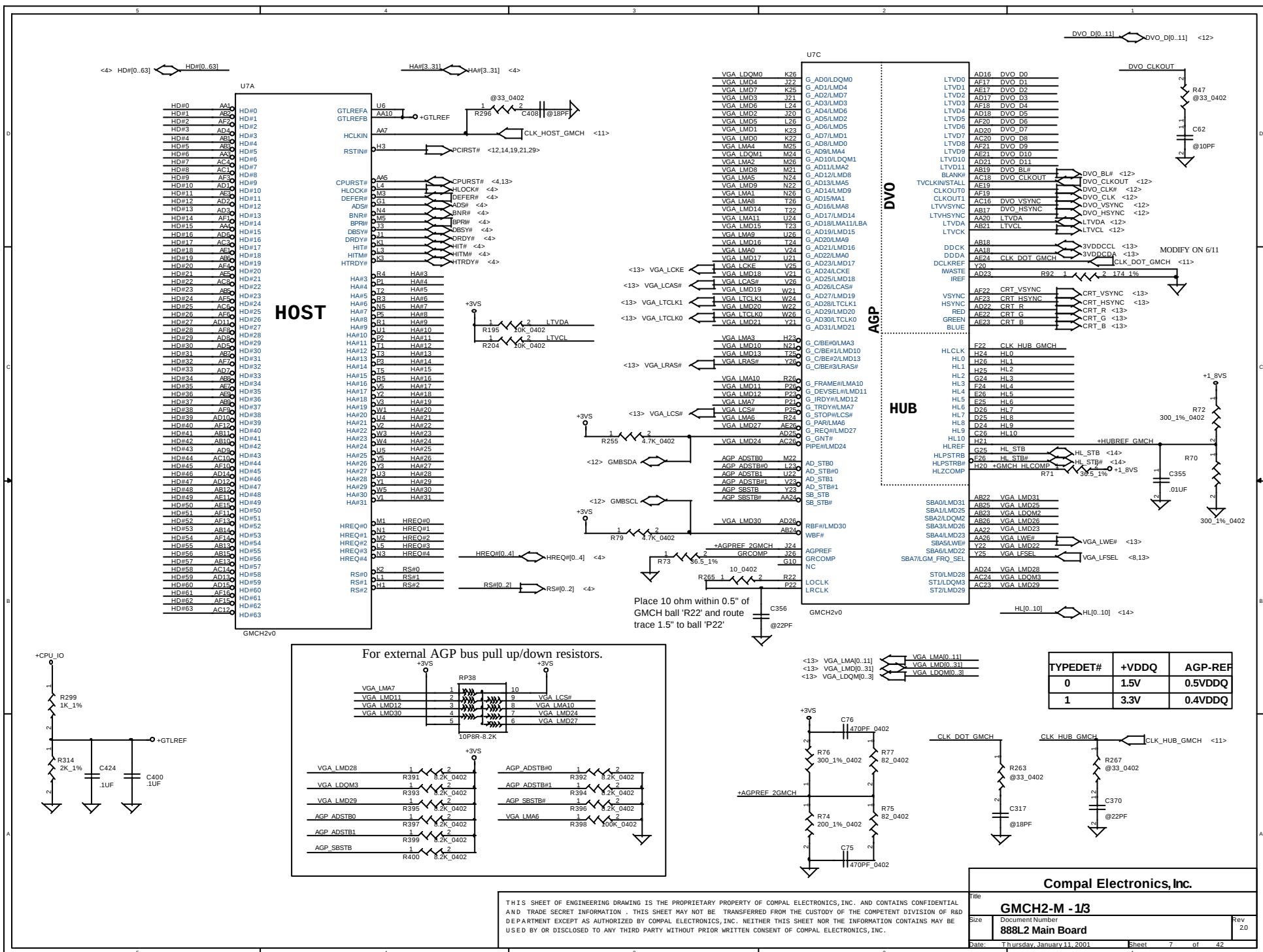


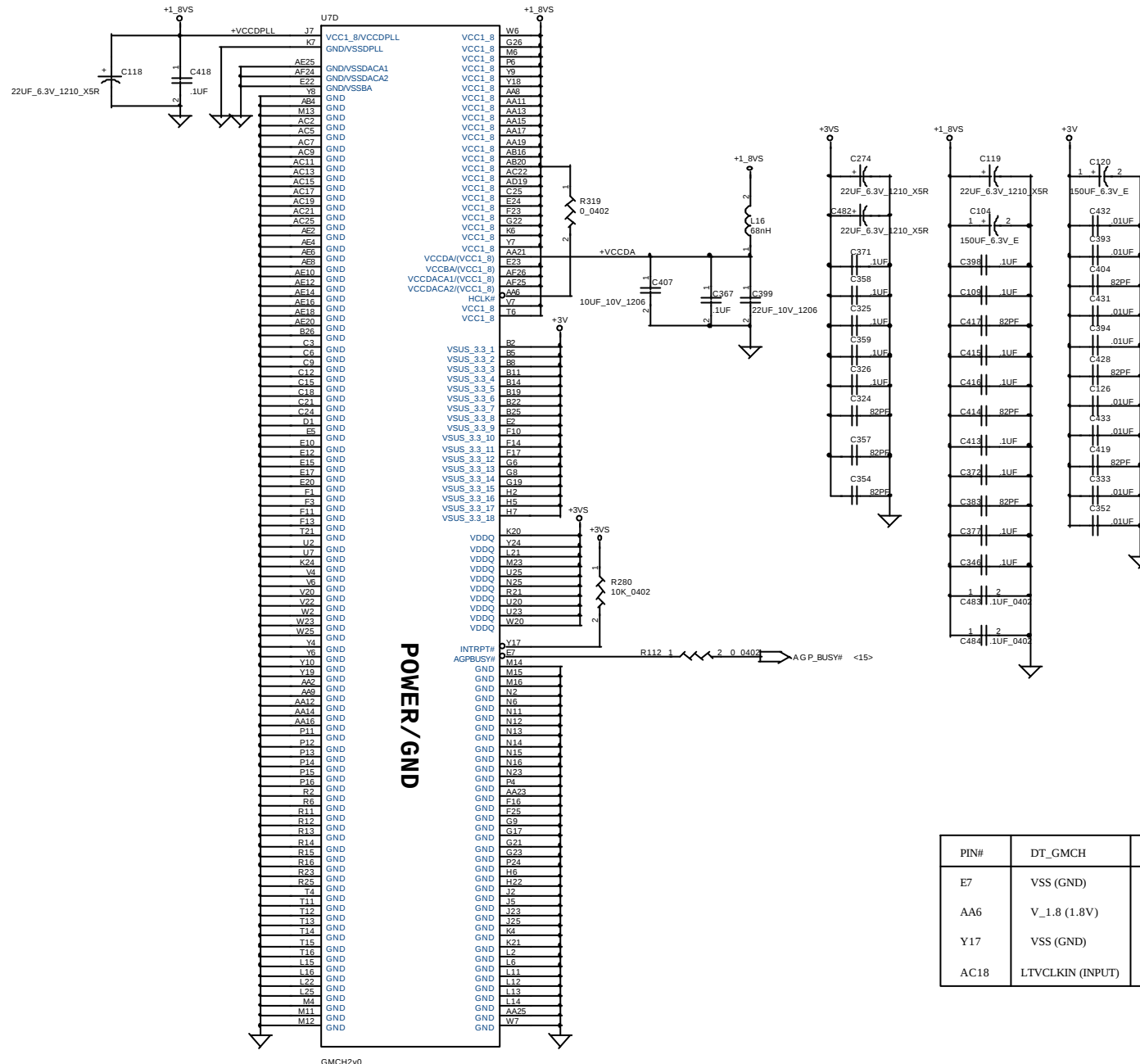




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Compal Electronics, Inc.			
File CPU BYPASS			
Size	Document Number 888L2 Main Board		Rev 20
Date: Thursday, January 11, 2001	Sheet 6	of 42	



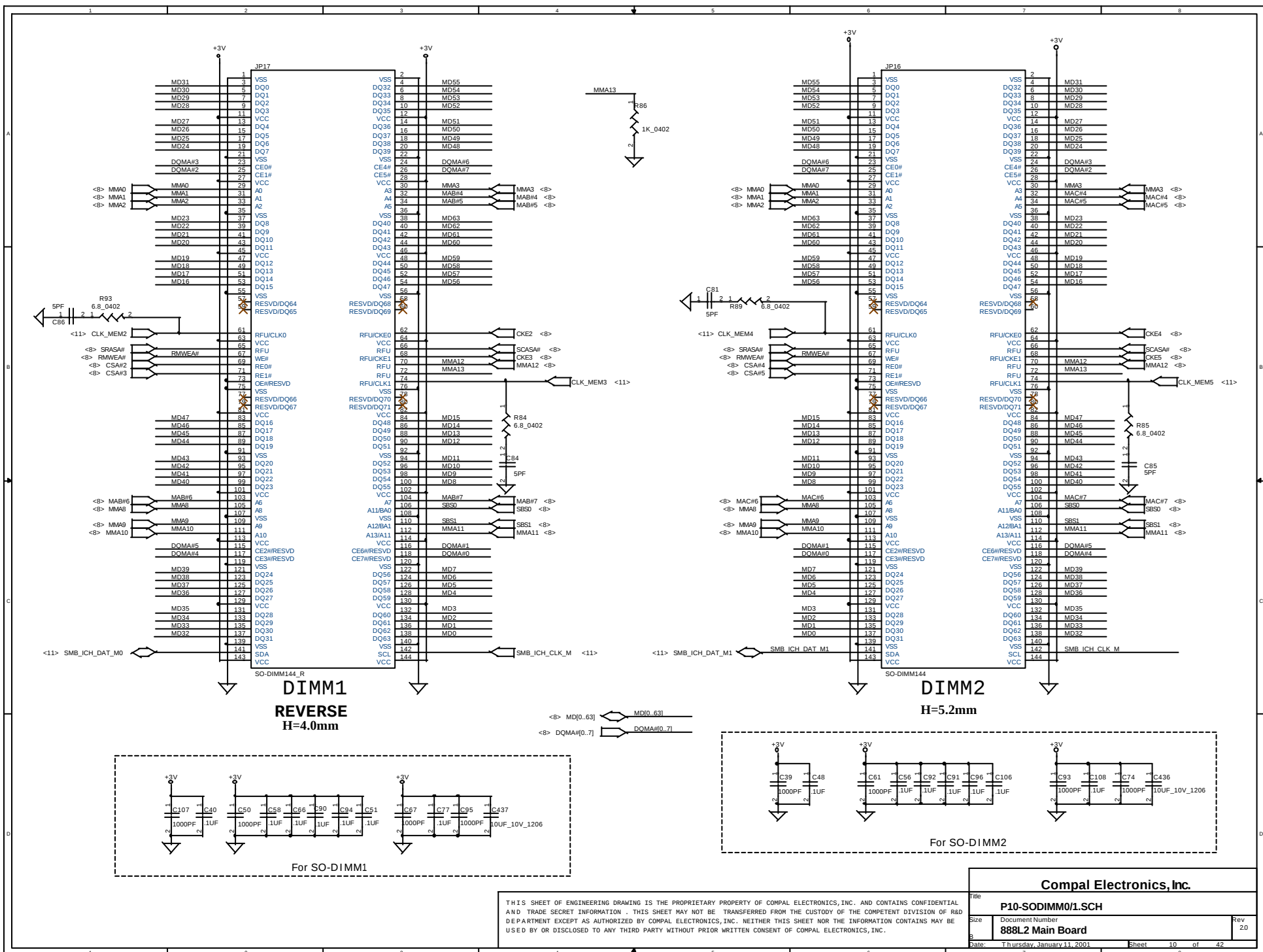


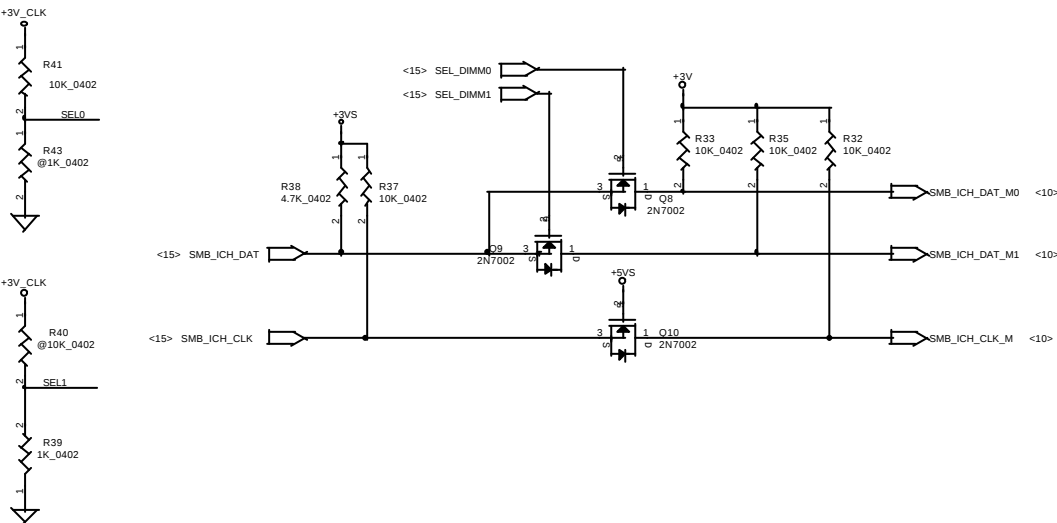
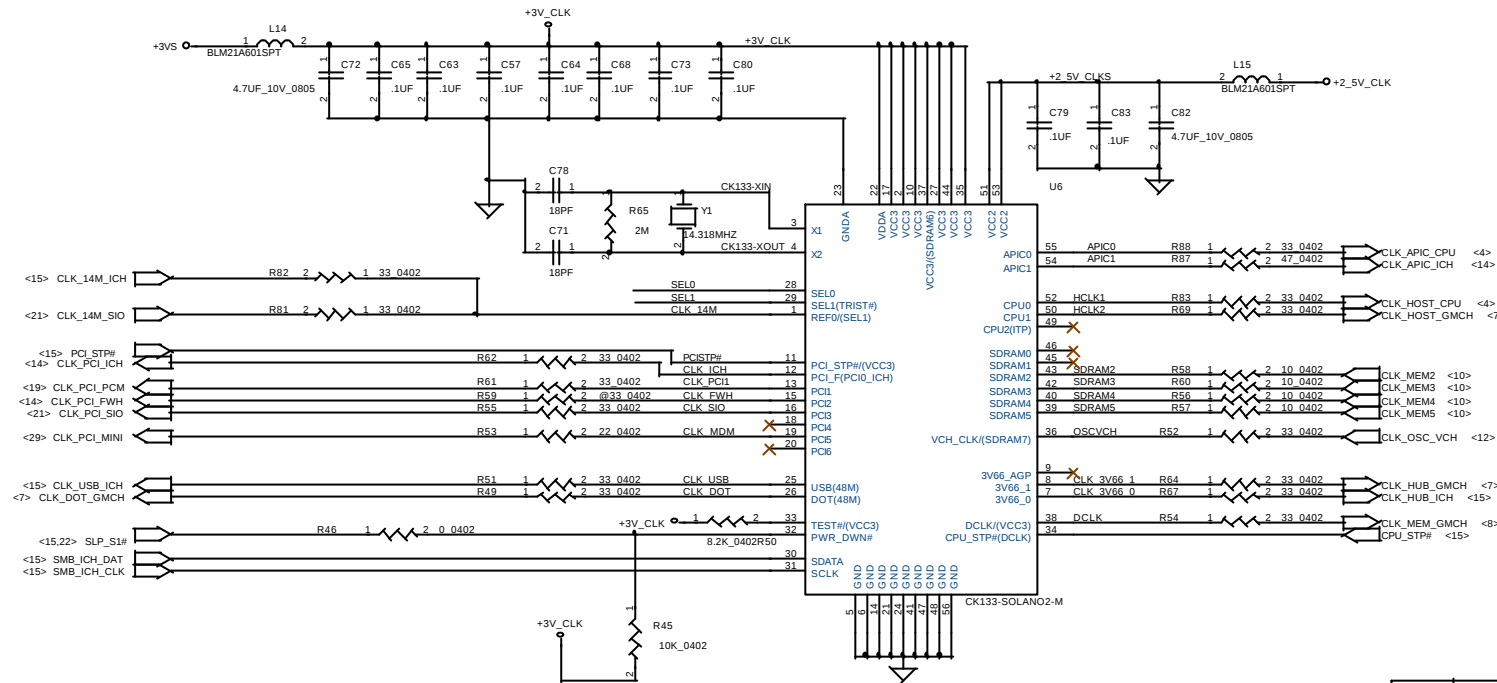
POWER/GND

PIN#	DT_GMCH	GMCH2-M
E7	VSS (GND)	AGPBUSY# (OUTPUT)
AA6	V_1.8 (1.8V)	RESERVED (1.8V)
Y17	VSS (GND)	INTRPT# (INPUT)
AC18	LTVCLKIN (INPUT)	LTVCLKIN/STALL (INPUT)

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File	GMCH2-M - 3/3	
Size	Document Number	Rev
	888L2 Main Board	20
Date:	Thursday, January 11, 2001	Sheet 9 of 42



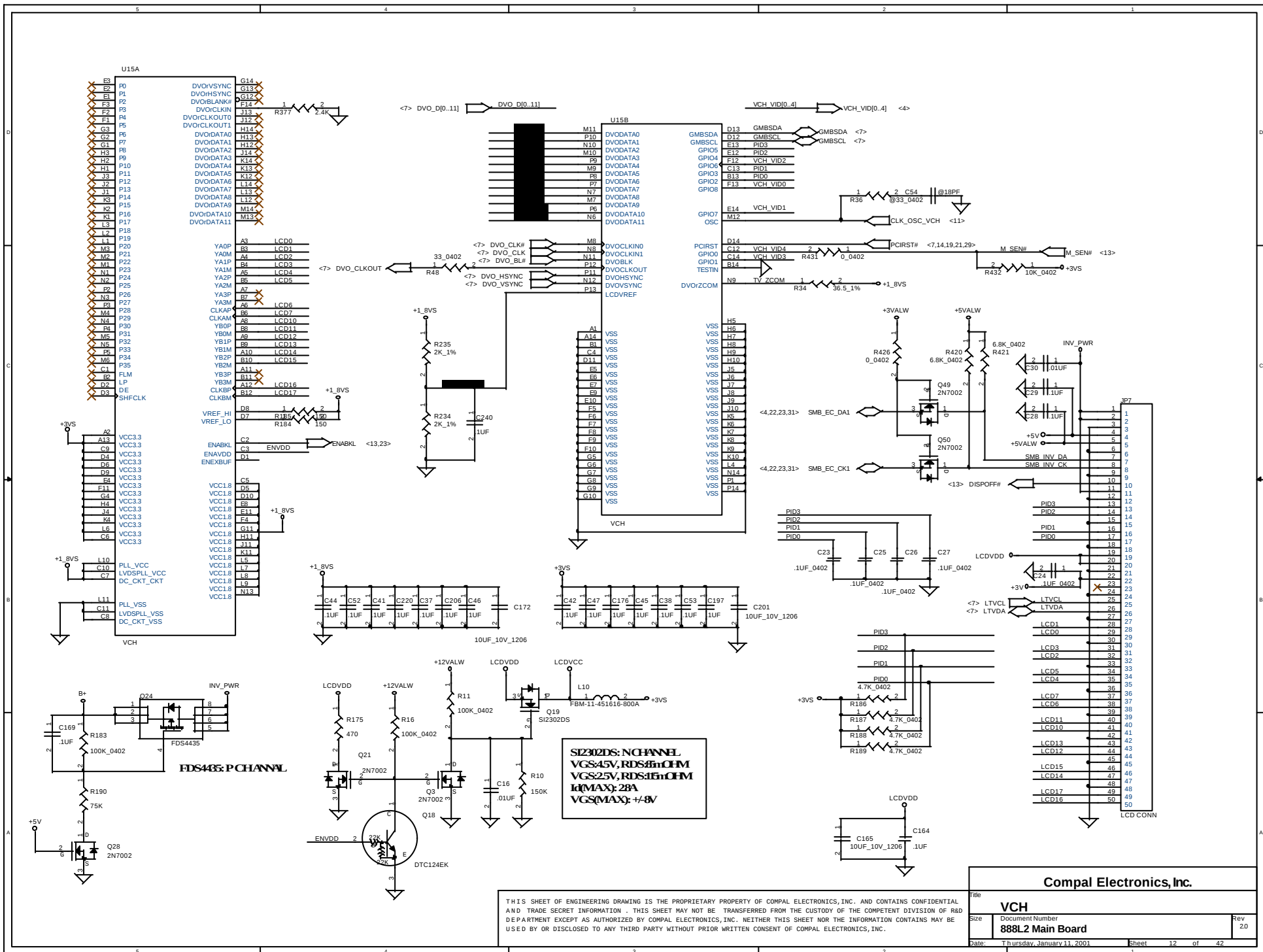


SEL1	SEL0	PSB	SDRAM
0	0	66	100
0	1	100	100
1	0	133	133
1	1	133	100

Pin #	CK-Solano		CK-Solano2-m	
	W218	C9815	W224	C9835
1	REF0/SEL1	REF/SEL1	REF	REF
11	VCC3	VCC3	PCI_STP#	PCI_STP#
29	Tristate#	Tristate#	SEL1	SEL1
33	VCC3	VCC3	TEST#	TEST#
34	DCLK	DCLK	CPU_STP#	CPU_STP#
36	SDRAM7	SDRAM7	VCH_CLK	VCH_CLK
37	SDRAM6	SDRAM6	VCC3	VCC3
38	VCC3	VCC3	DCLK	DCLK

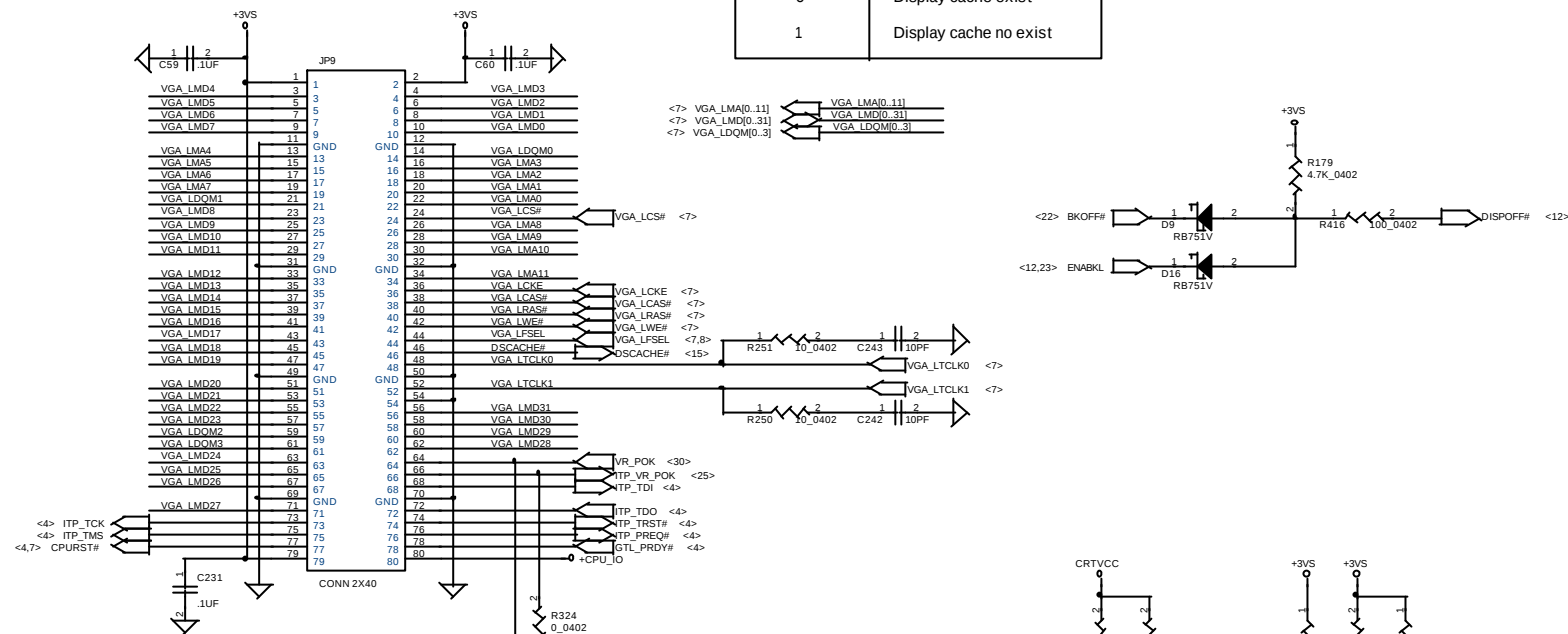
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Compal Electronics, Inc.			
File Clock Synthesizer			
Size Document Number		Rev 20	
888L2 Main Board			
Date: Thursday, January 11, 2001	Sheet 11	of 42	

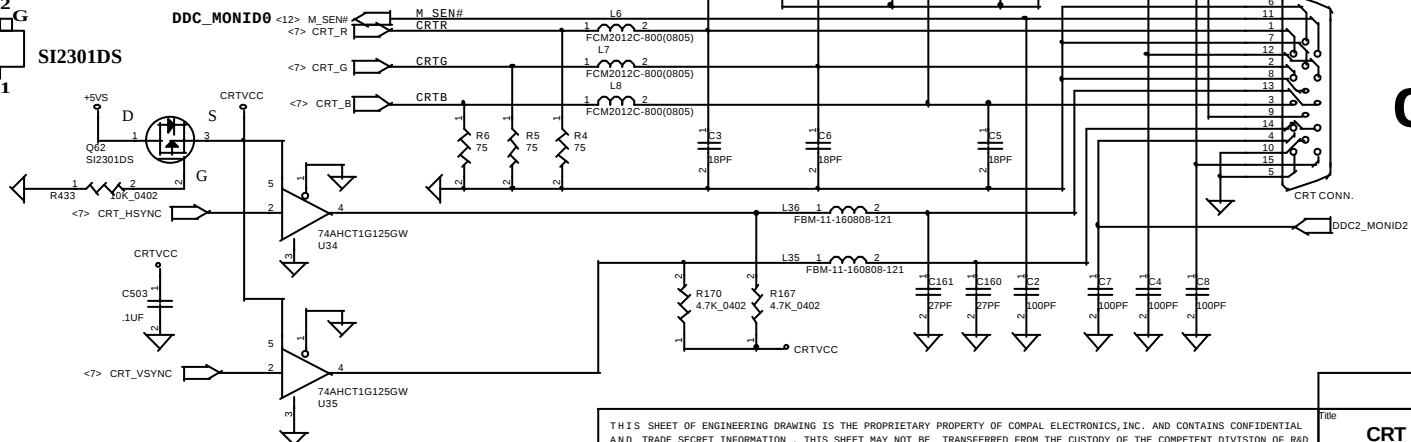
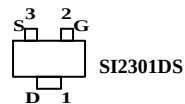


DISPLAY CACHE INTERFACE

DSCACHE#	Status
0	Display cache exist
1	Display cache no exist



SI2301DS: P CHANNEL
VGS: -4.5V, RDS: 130mOHM
VGS: -2.5V, RDS: 190mOHM
Id(MAX): 23A
VGS(MAX): +8V



CRT CONN.

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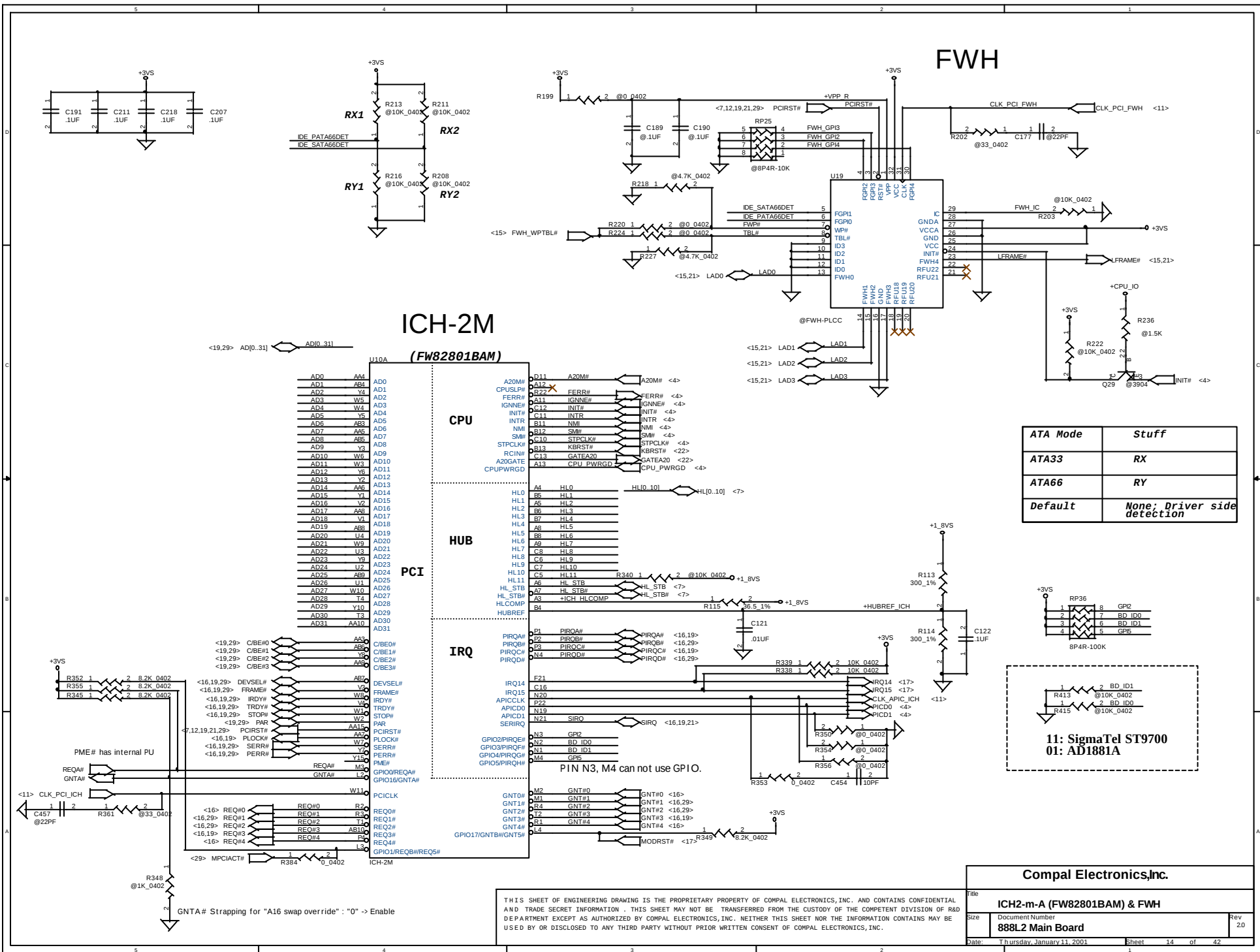
Compal Electronics, Inc.

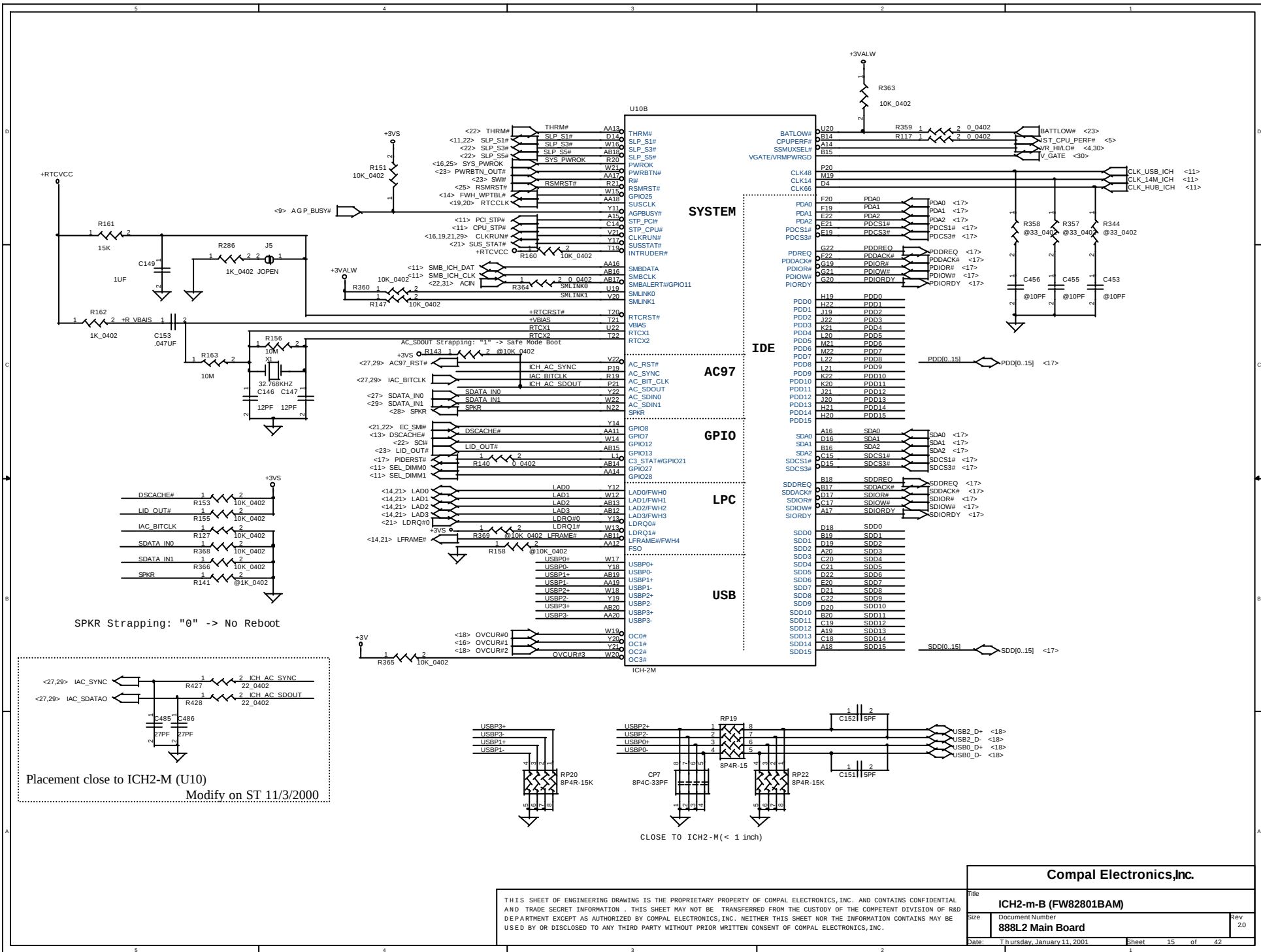
CRT CONN

Document Number
888L2 Main Board

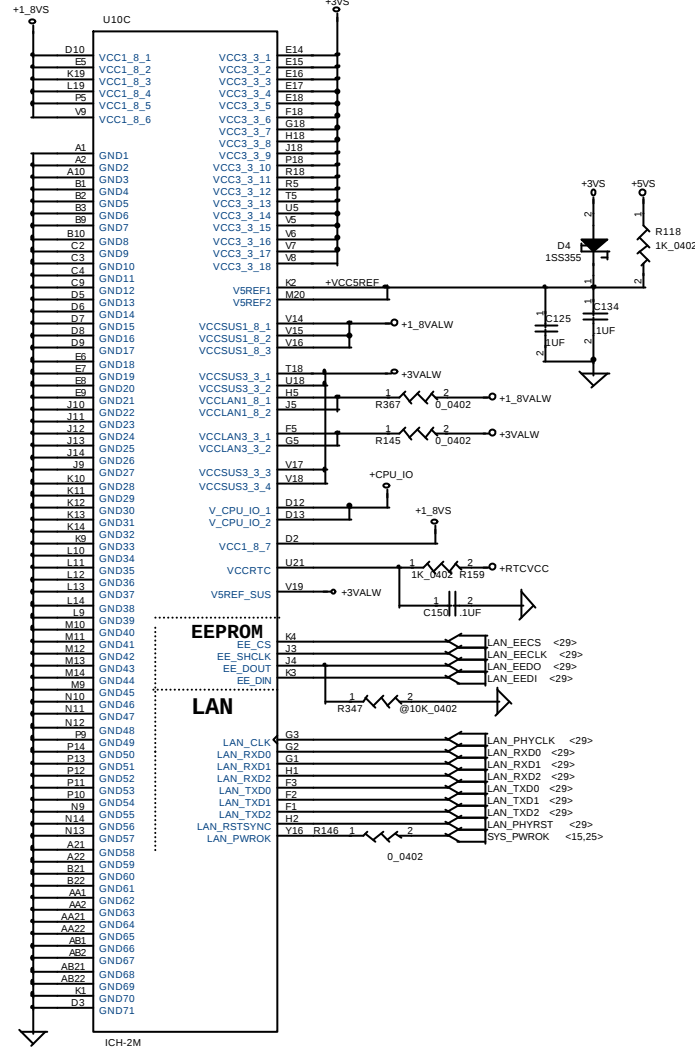
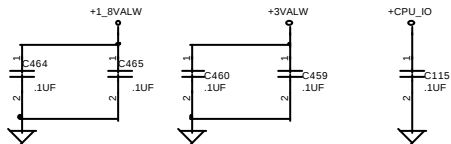
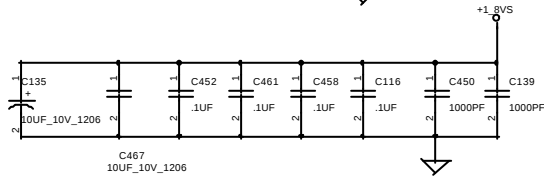
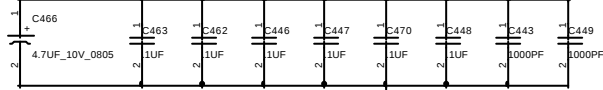
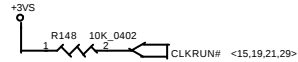
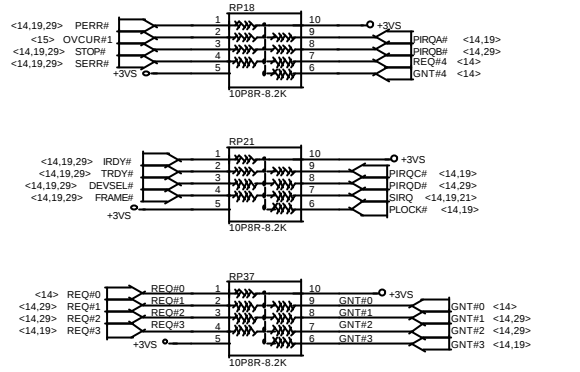
Rev

Date: Thursday, January 11, 2001 Sheet 13 of 42





PCI

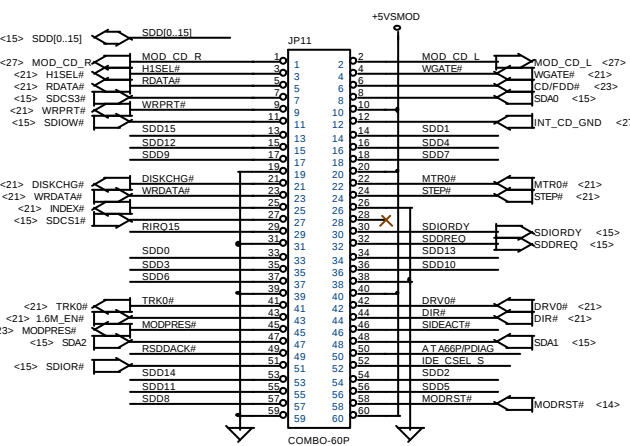
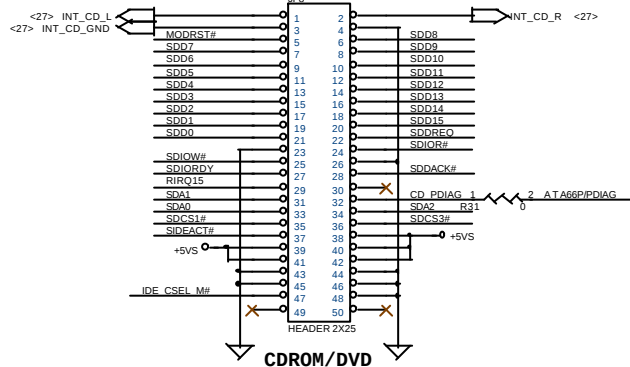
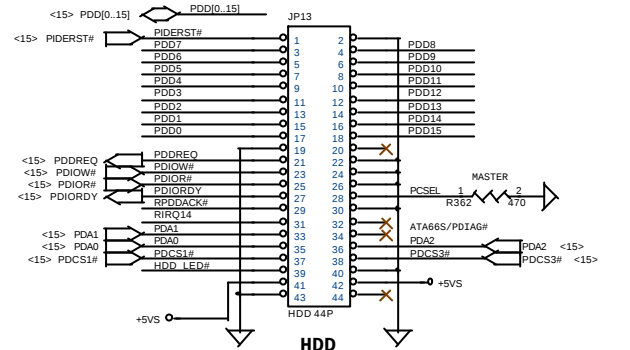


Compal Electronics, Inc.

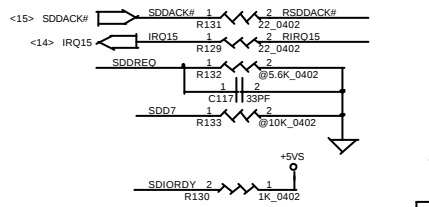
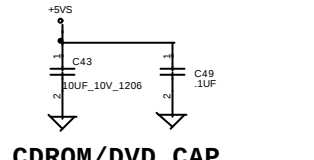
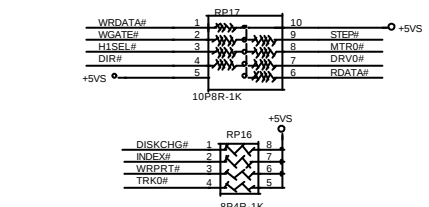
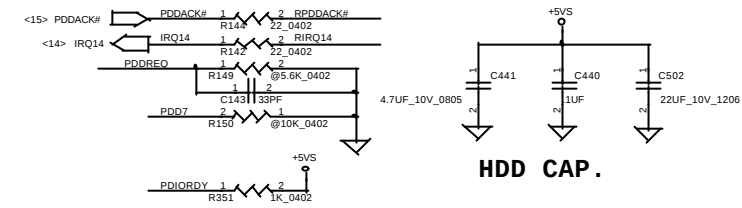
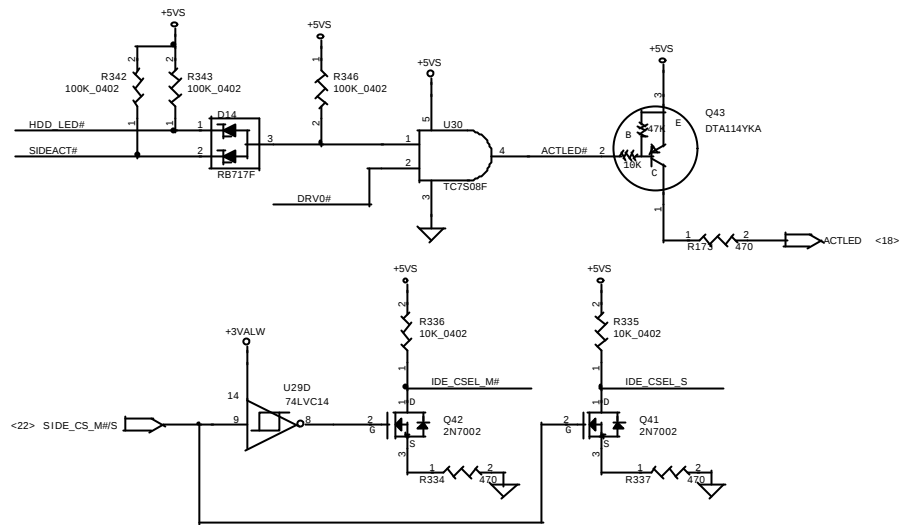
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ICH2-m-C (FW82801BAM)		
Size		
Document Number		
888L2 Main Board		
Rev		
2.0		
Date:	Thursday, January 11, 2001	Sheet 16 of 42

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IDE,CD-ROM & FDD Module CONN.



MODULE
FDD/CDROM/DVD

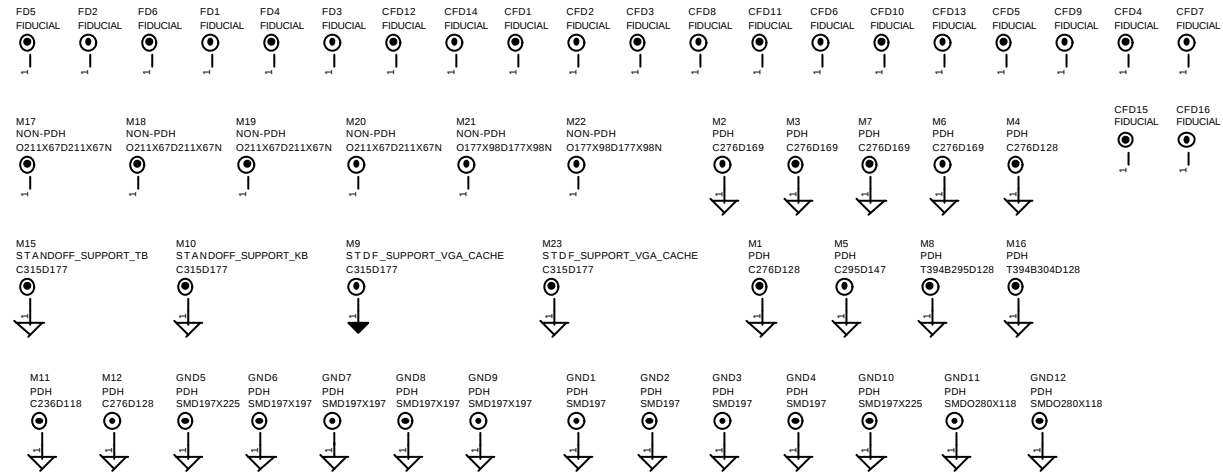
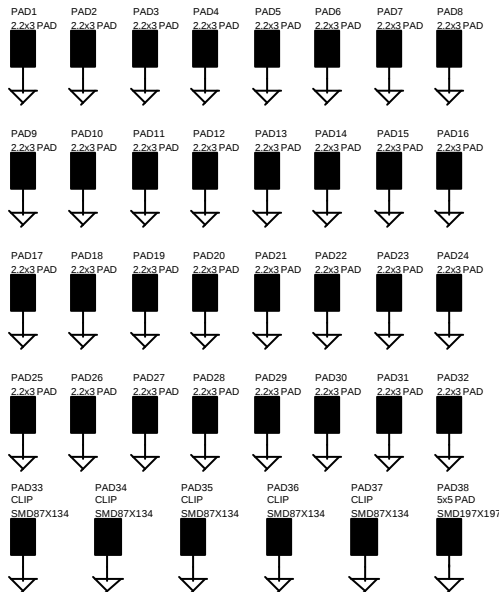
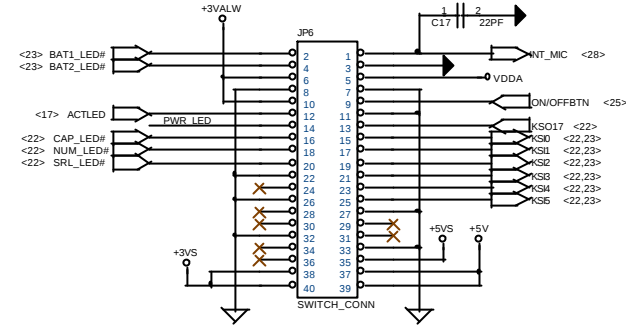
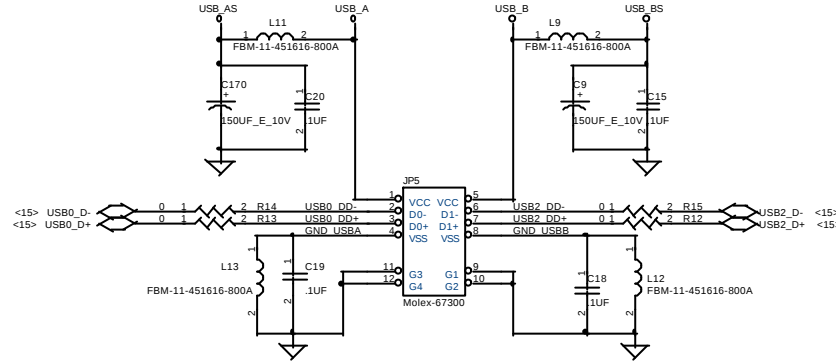
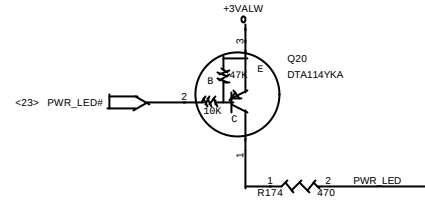
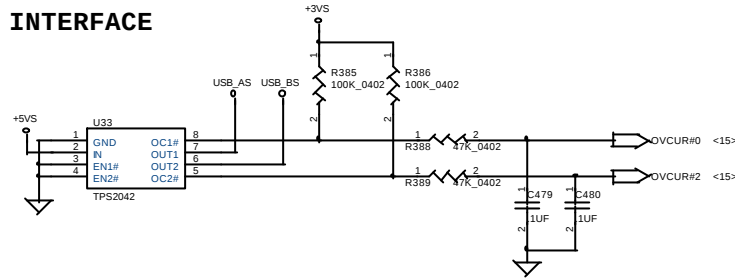


SI3456DV: NCHANNEL
VGS: 4.5V, RDS: 65mΩ
Id(MAX): 5.1A

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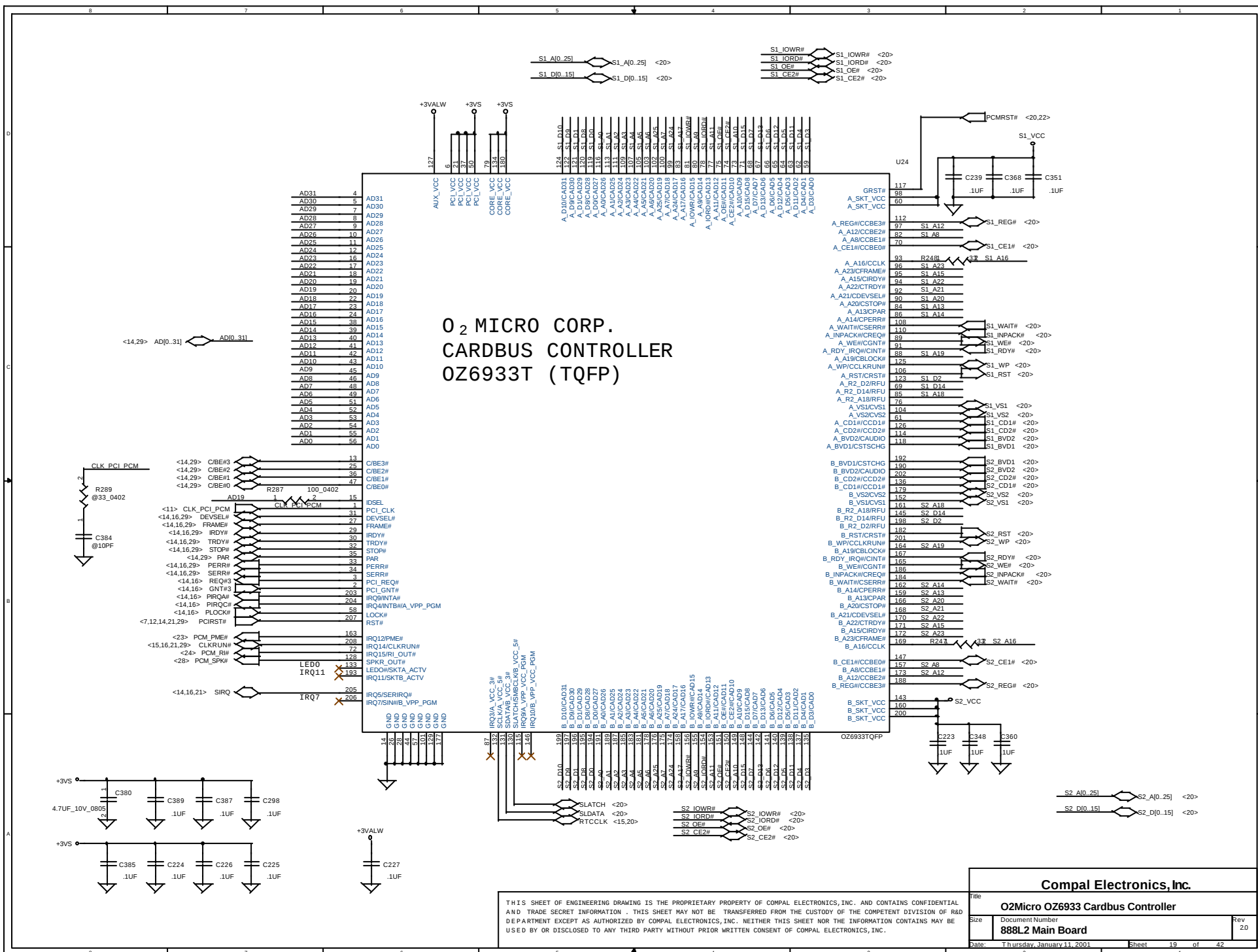
Compal Electronics, Inc.		
File	IDE/FDD MODULE	
Size	Document Number	Rev
	888L2 Main Board	2.0
Date:	Thursday, January 11, 2001	Sheet 17 of 42

USB&LED INTERFACE

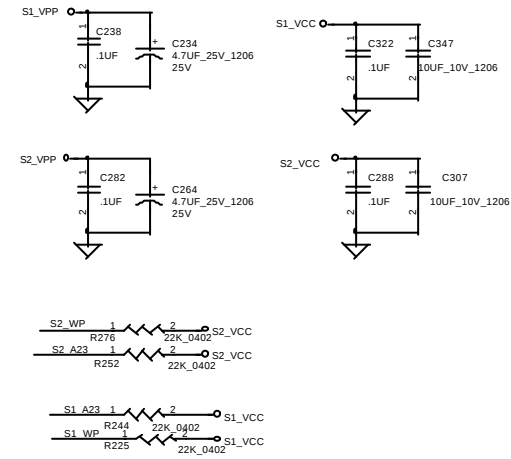
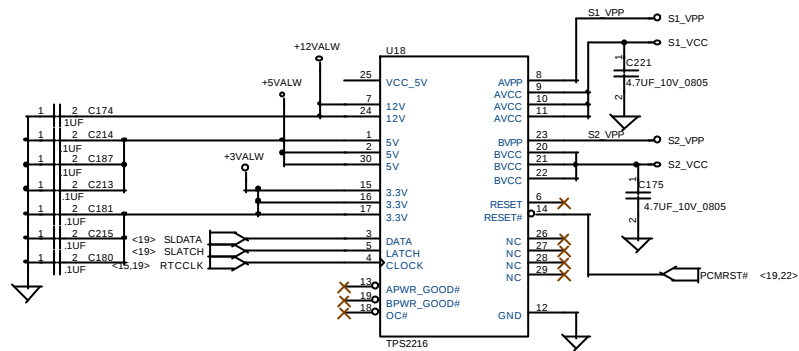


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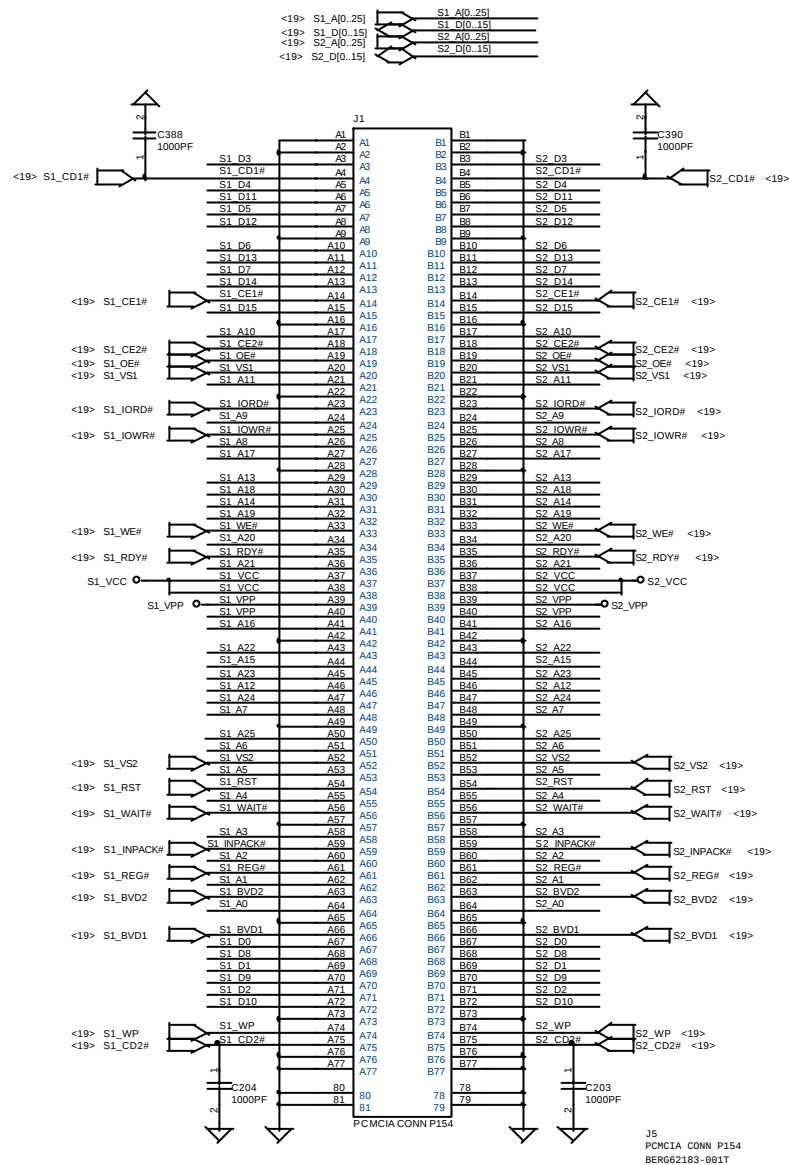
Compal Electronics, Inc.			
File		USB & FRONT PANEL I/F	
Size		Document Number	Rev
		888L2 Main Board	2.0
Date:	Thursday, January 11, 2001	Sheet	18 of 42



PCMCIA POWER CTRL.

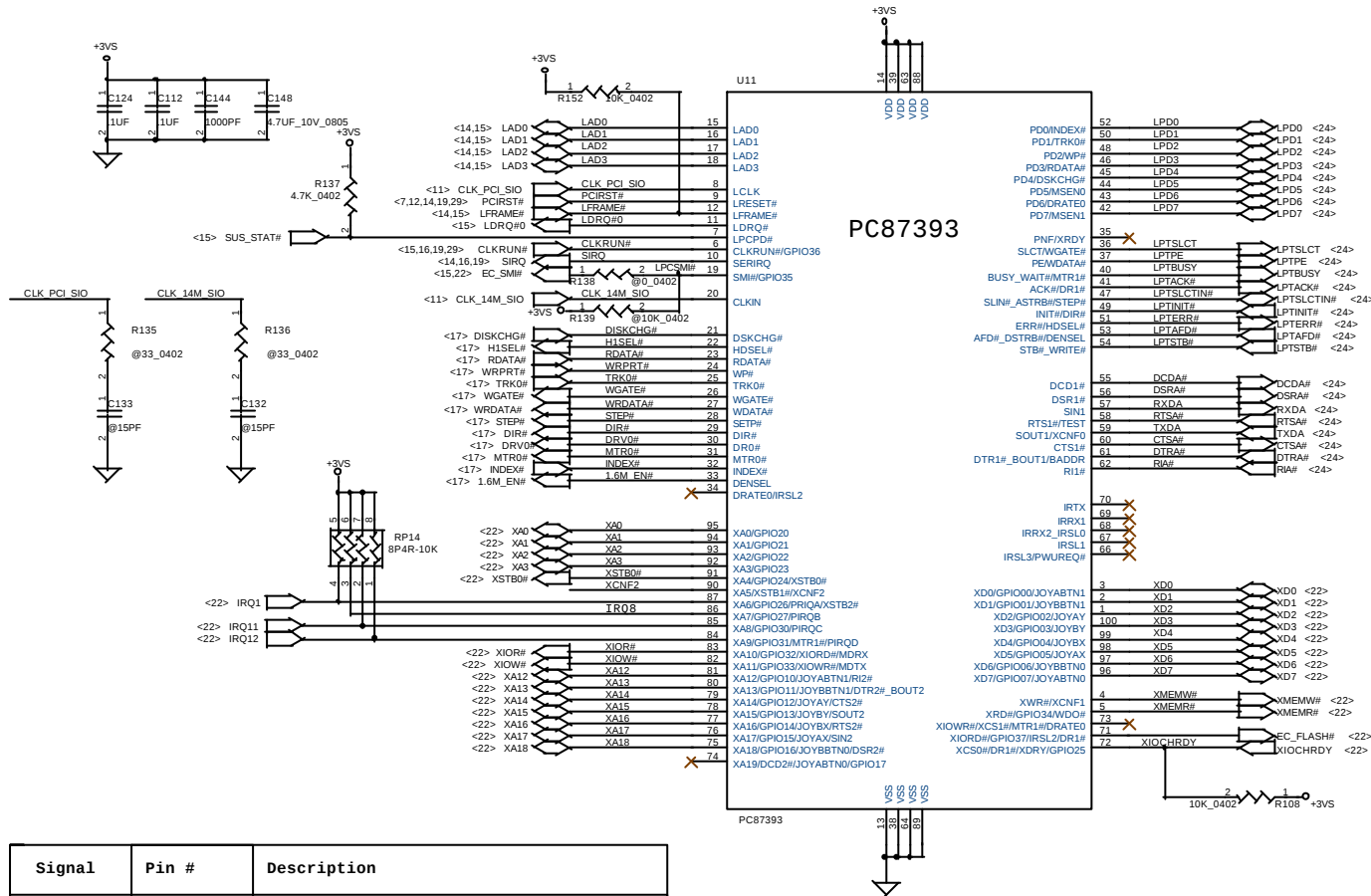


CARDBUS SOCKET



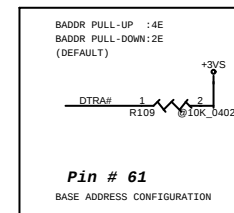
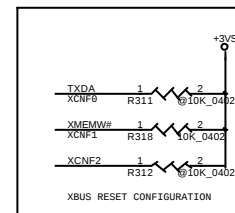
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Compal Electronics, Inc.		
Title FOXCONN Cardbus CONN .154PIN		
Size Document Number 888L2 Main Board	Rev Z0	
Date Thursday January 11, 2001	Sheet 20	of 42



Signal	Pin #	Description
BADDR	61	BASE Address Selection "0": 2E~2F (Default) "1": 4E~4F
TEST	58	"0": Normal (Default) "1": Test Mode
XCNF[2:0]	90, 4, 59	2 1 0 Function
		x 0 0 No BIOS
		x 0 1 Normal Mode. XRDY disabled
		(default) 0 1 0 Latch Mode. XA12-19, XRDY enabled
		1 1 0 Latch Mode. GPIO10-17, XRDY enabled
		0 1 1 Latch Mode. XA12-19, XRDY disabled
		1 1 1 Latch Mode. GPIO10-17, XRDY disabled

* 1 ROM SOLUTION



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Compal Electronics, Inc.			
Title			
SUPER I/O PC87393 CHIP			
Size	Document Number		Rev
888L2 Main Board			2.0
Date:	Thursday, January 11, 2001	Sheet	21 of 42

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Pin 130 PU for Zero Latch

PC87570

NC : 1, 2, 43, 44, 45, 46, 87, 88, 89, 90, 91, 131, 132, 133, 134, 175, 176

Compal Electronics, Inc.

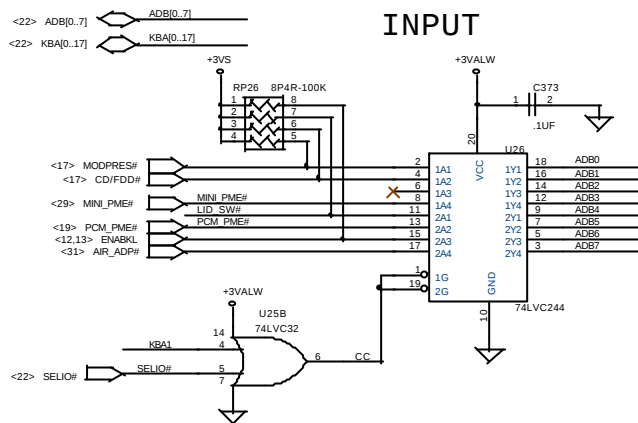
KBC/EC PC87570EXT

Document Number
888L2 Main Board

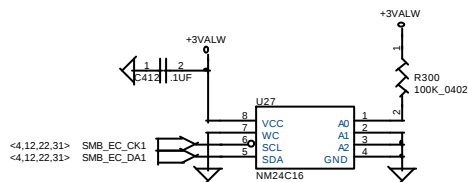
Date: Thursday, January 11, 2001

Sheet 22 of 42

Rev 20



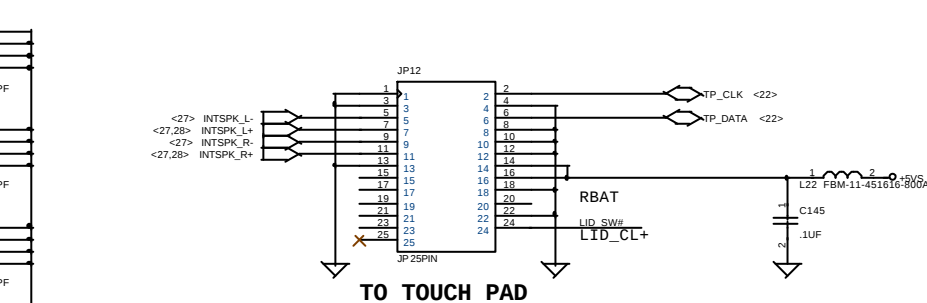
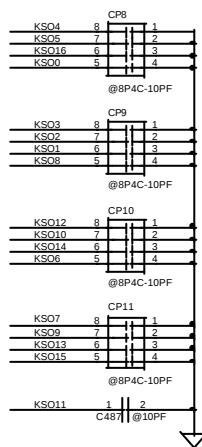
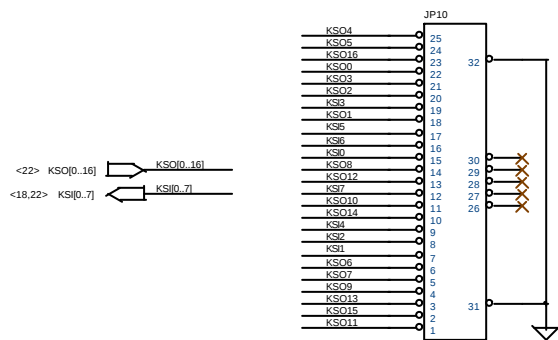
NM24C164 Address definition: 1 A2 A1# A0 B2 B1 B0 R/W#



EC I2C Bus Address:

24C164: 1011xxx R/W#

24C16: 1010xxx R/W#



Compal Electronics, Inc.

EC Extended I/O Port

Document Number
888L2 Main Board

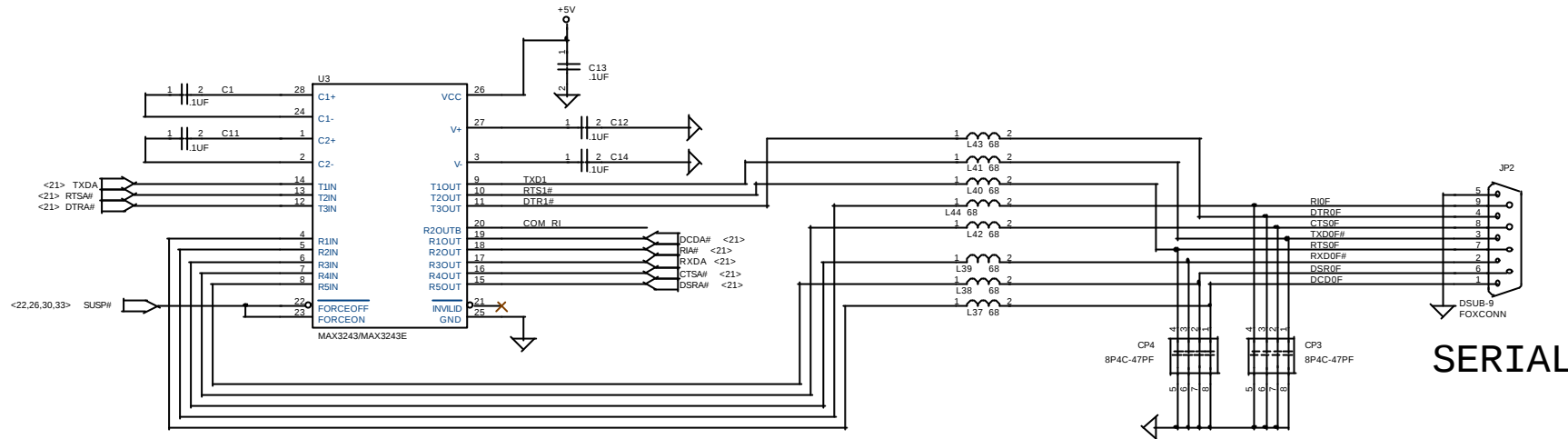
Rev
2.0

Date: Thursday, January 11, 2001 Sheet 23 of 42

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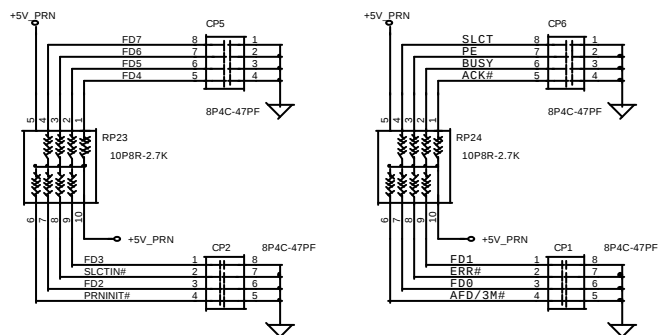
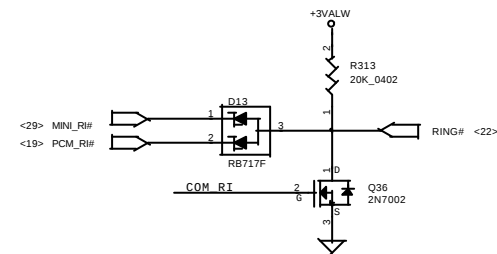
SERIAL / PARALLEL PORT

SERIAL & PARALLEL



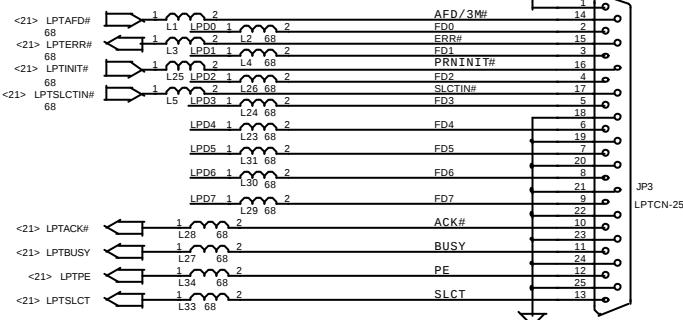
SERIAL

PARALLEL



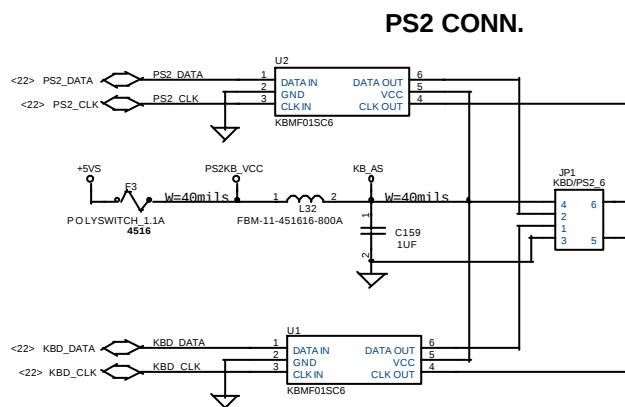
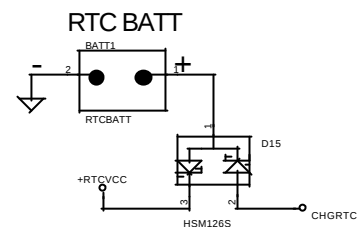
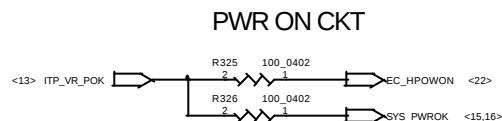
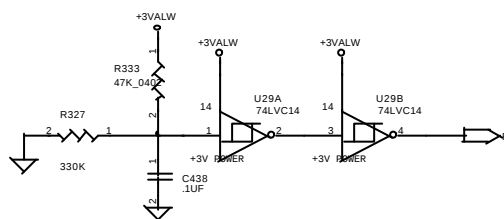
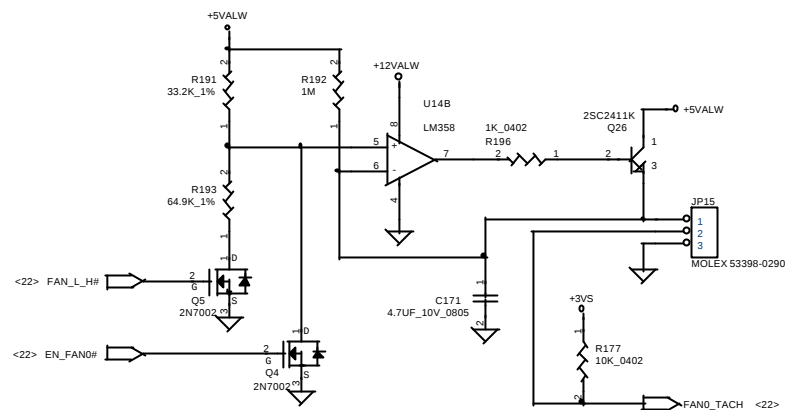
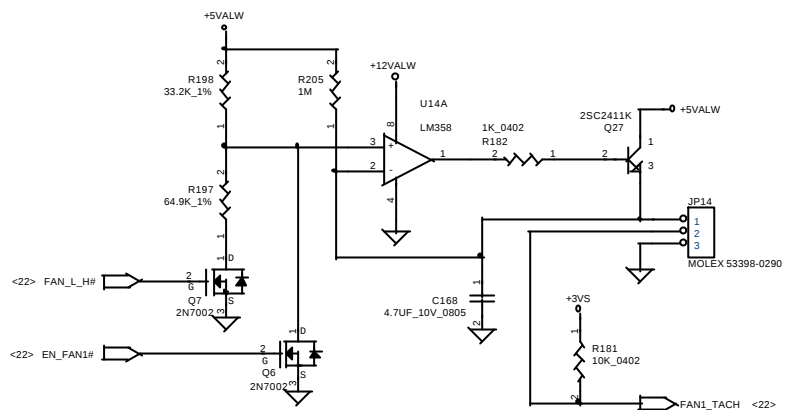
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LPD[0..7]

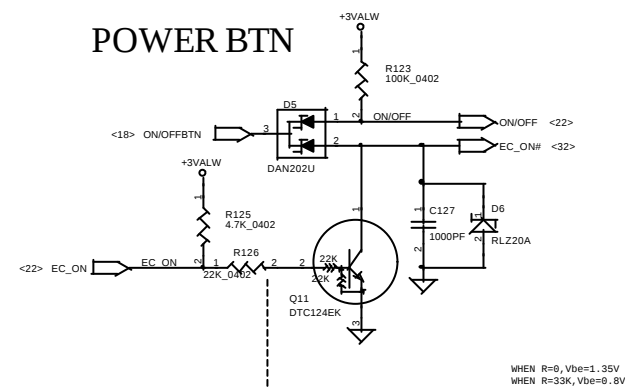


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File	Serial/parallel ports	
Size	Document Number	Rev
	888L2 Main Board	2.0
Date	Thursday, January 11, 2001	Sheet 24 of 42



POWER BTN

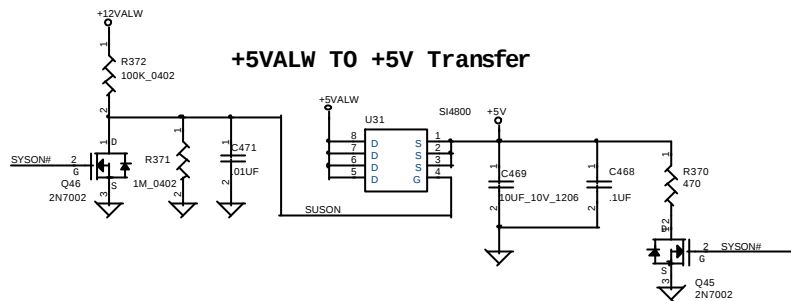


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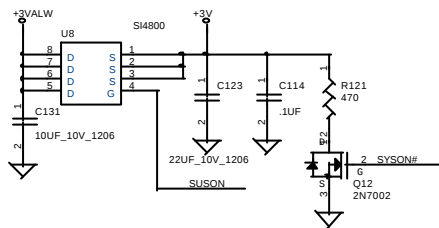
Compal Electronics, Inc.			
File	PSI2/RTC/RST CKT		
Size	Document Number		
	888L2 Main Board		Rev 2.0
Date:	Thursday, January 11, 2001	Sheet	25 of 42

RESET & SUSPEND CKT

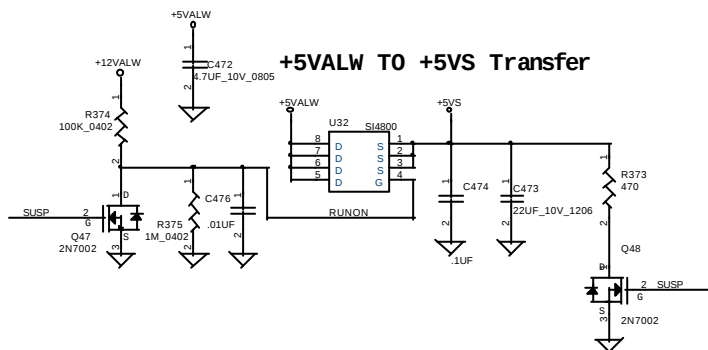
+5VALW TO +5V Transfer



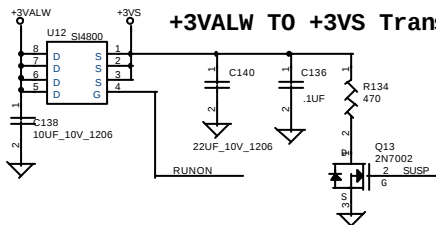
+3VALW TO +3V Transfer



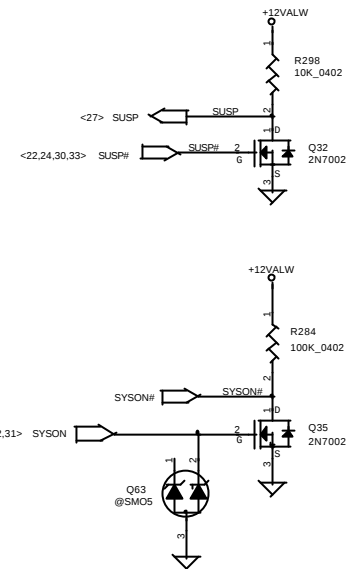
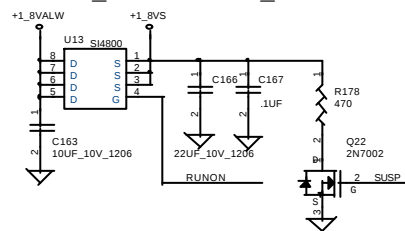
+5VALW TO +5VS Transfer



+3VALW TO +3VS Transfer



+1_8VALW TO +1_8VS Transfer



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Compal Electronics, Inc.

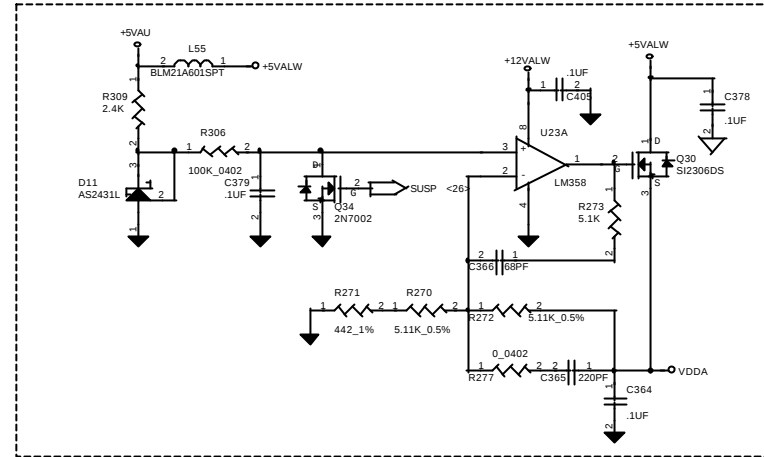
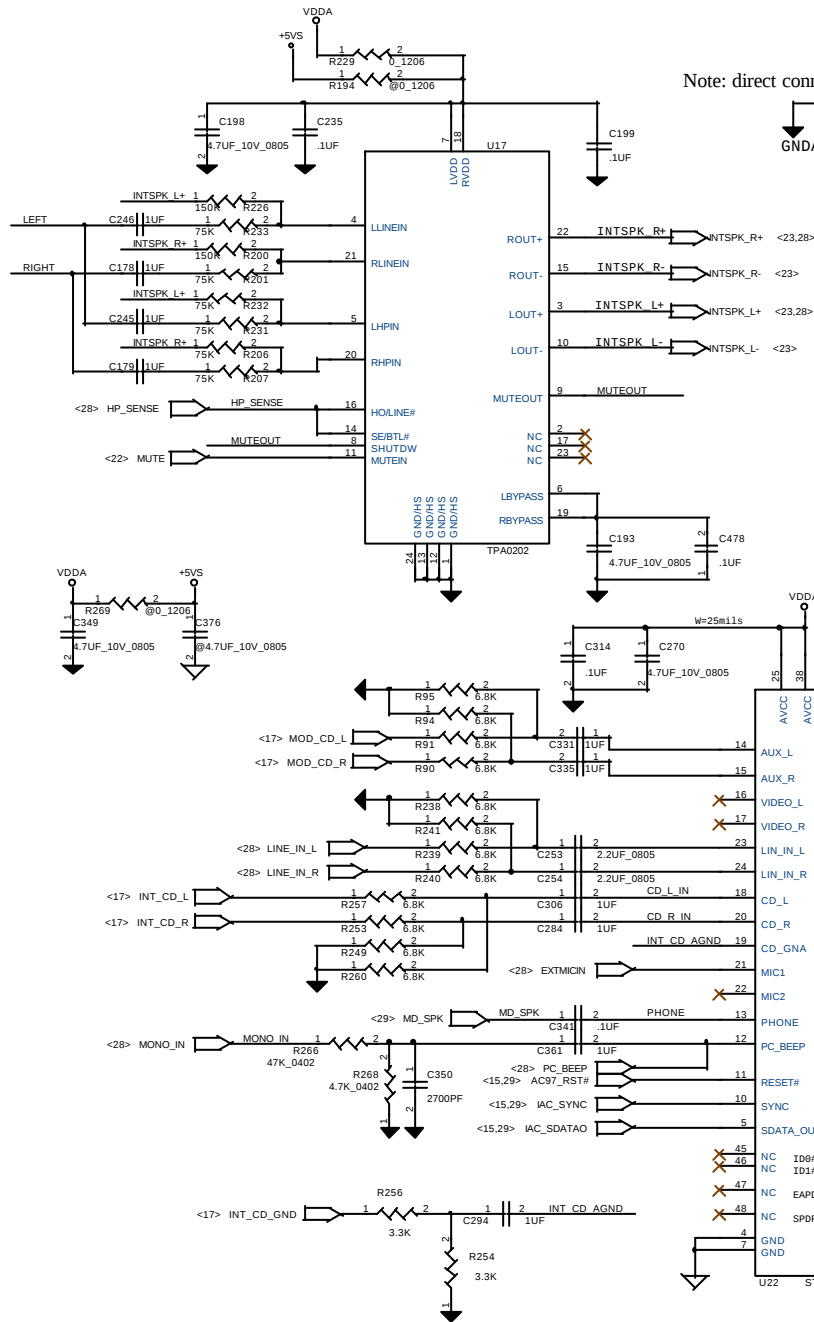
DC/DC INTERFACE

Document Number
888L2 Main Board

Rev
2.0

Date: Thursday, January 11, 2001 Sheet 26 of 42

Note: direct connect GNDA to GND.

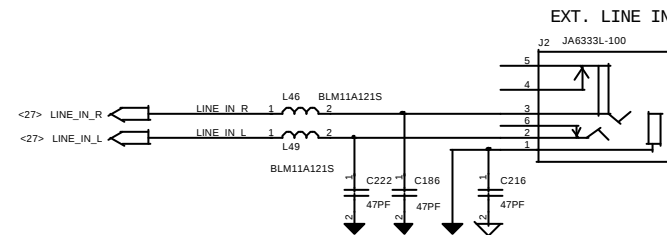
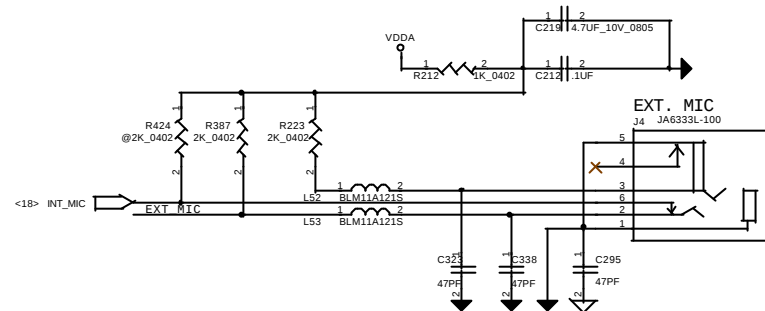
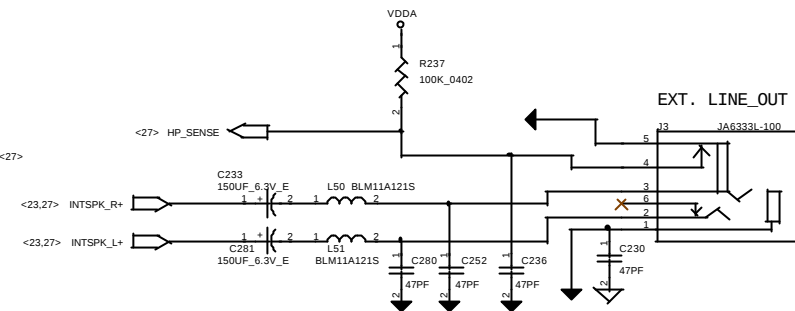
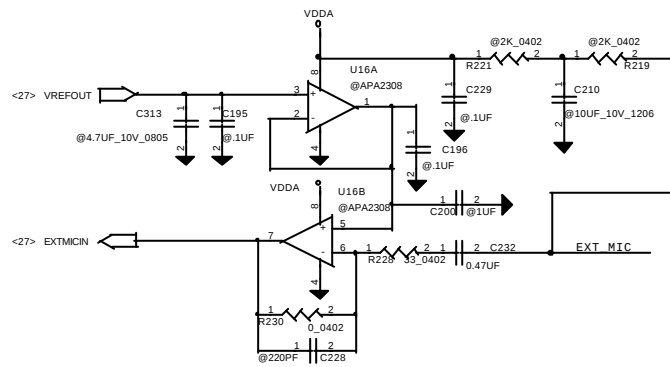
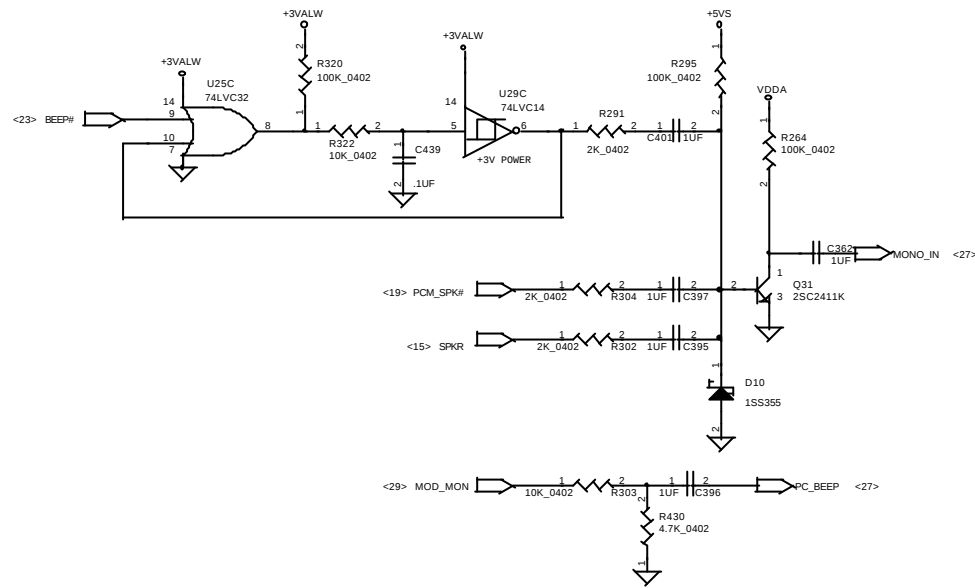


	STAC9700	AD1881A
C248	1UF	4.7UF 10V 0805
C260	1000PF	270PF
C259	1000PF	270PF
C501	Depop	1UF

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Compal Electronics, Inc.		
File: AUDIO CODEC & AMP		
Size: Document Number	Rev 2.0	
888L2 Main Board		
Date: Thursday, January 11, 2001	Sheet: 27	of 42

AUDIO JACK



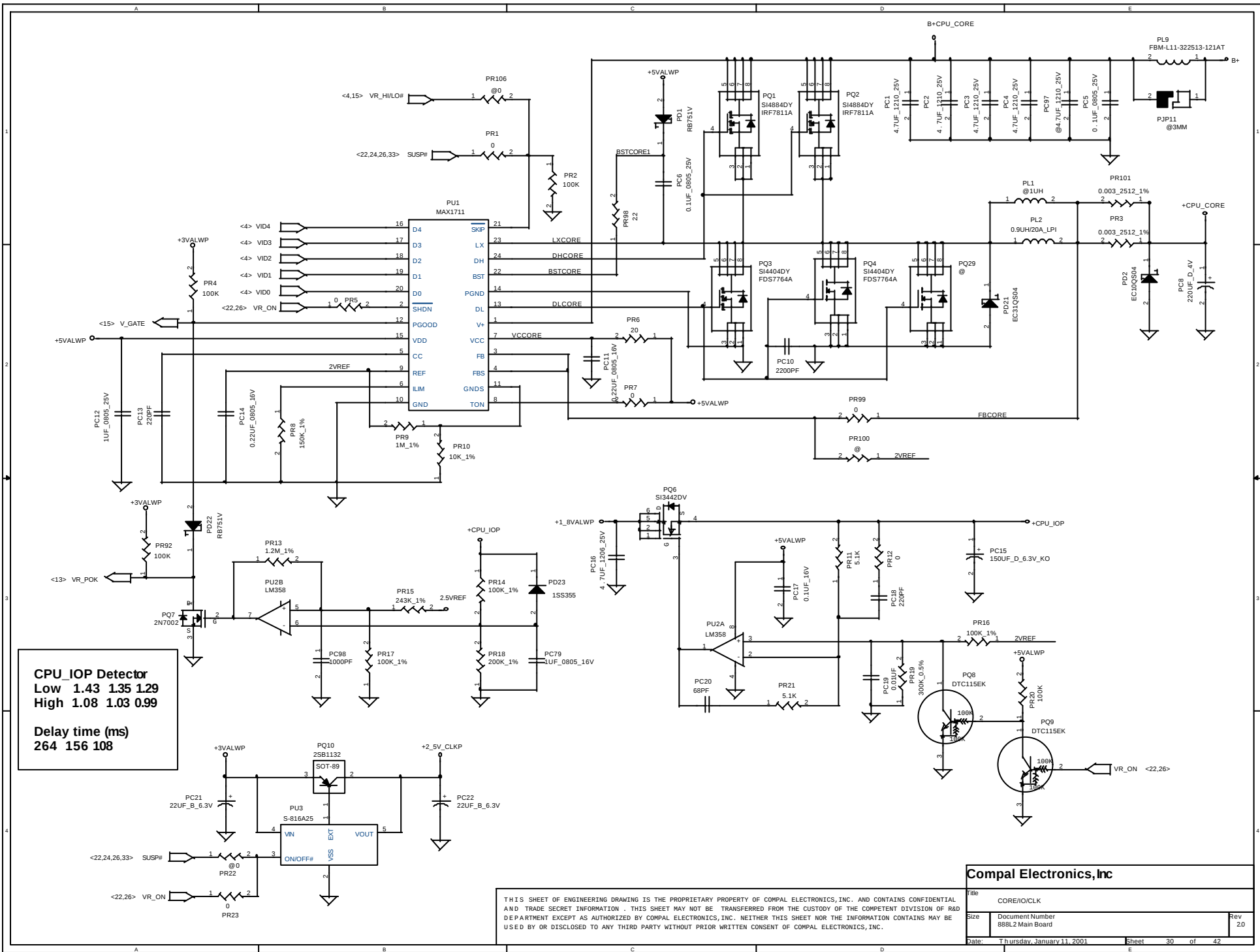
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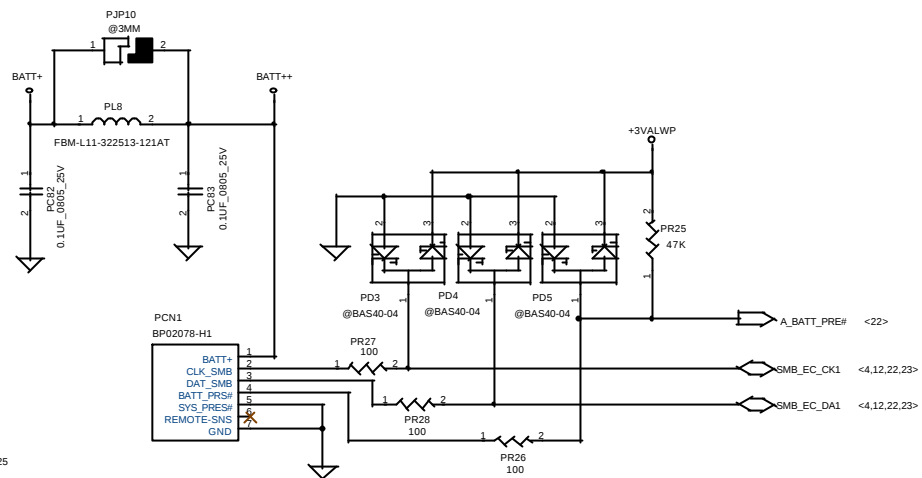
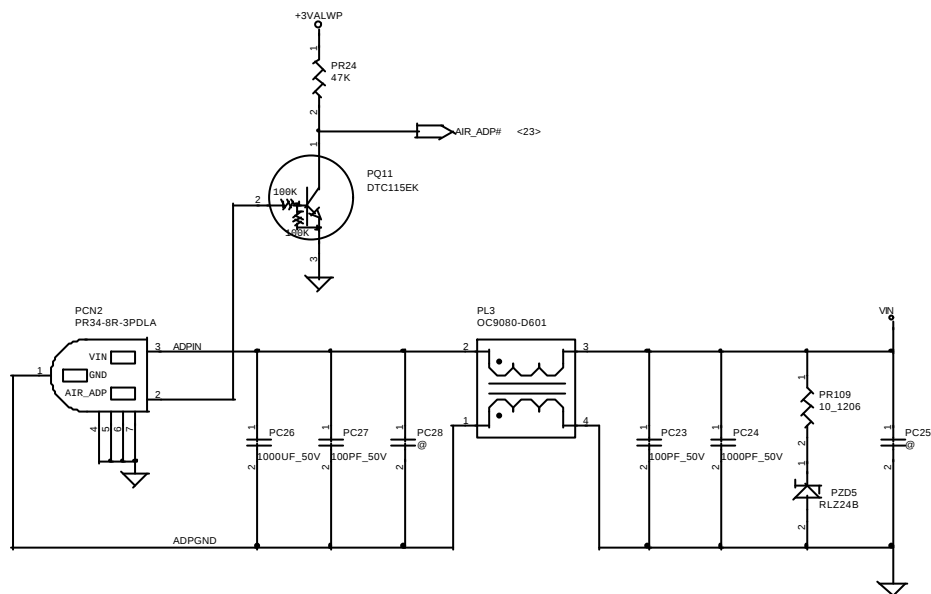
Compal Electronics, Inc.			
File	MONO_IN		
Size	Document Number		
	888L2 Main Board		Rev 2.0
Date:	Thursday, January 11, 2001	Sheet	28 of 42

[illegible]

Connection	AC_CODEC_ID1#	AC_CODEC_ID0
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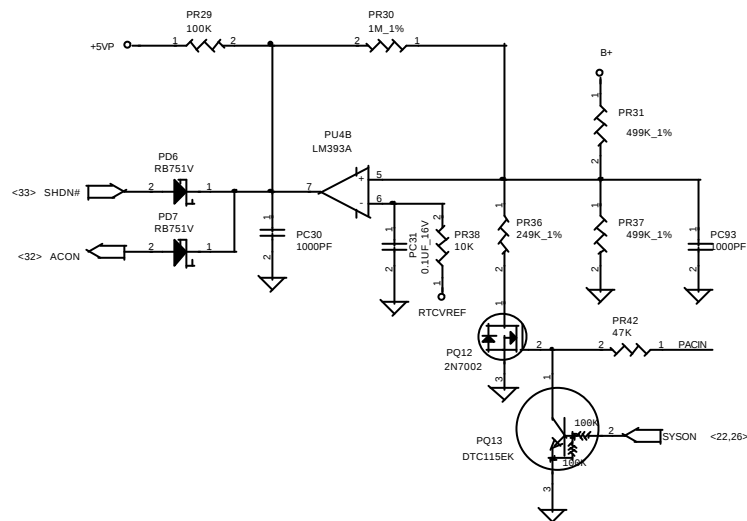
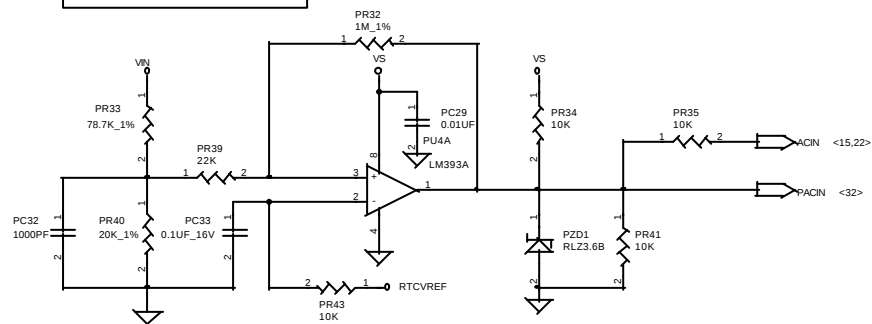
Compal Electronics, Inc.			
Title			
Mini-PCI Connector			
Size	Document Number	Rev	
	888L2 Main Board	2.0	
Date:	Thursday, January 11, 2001	Sheet	29 of 42





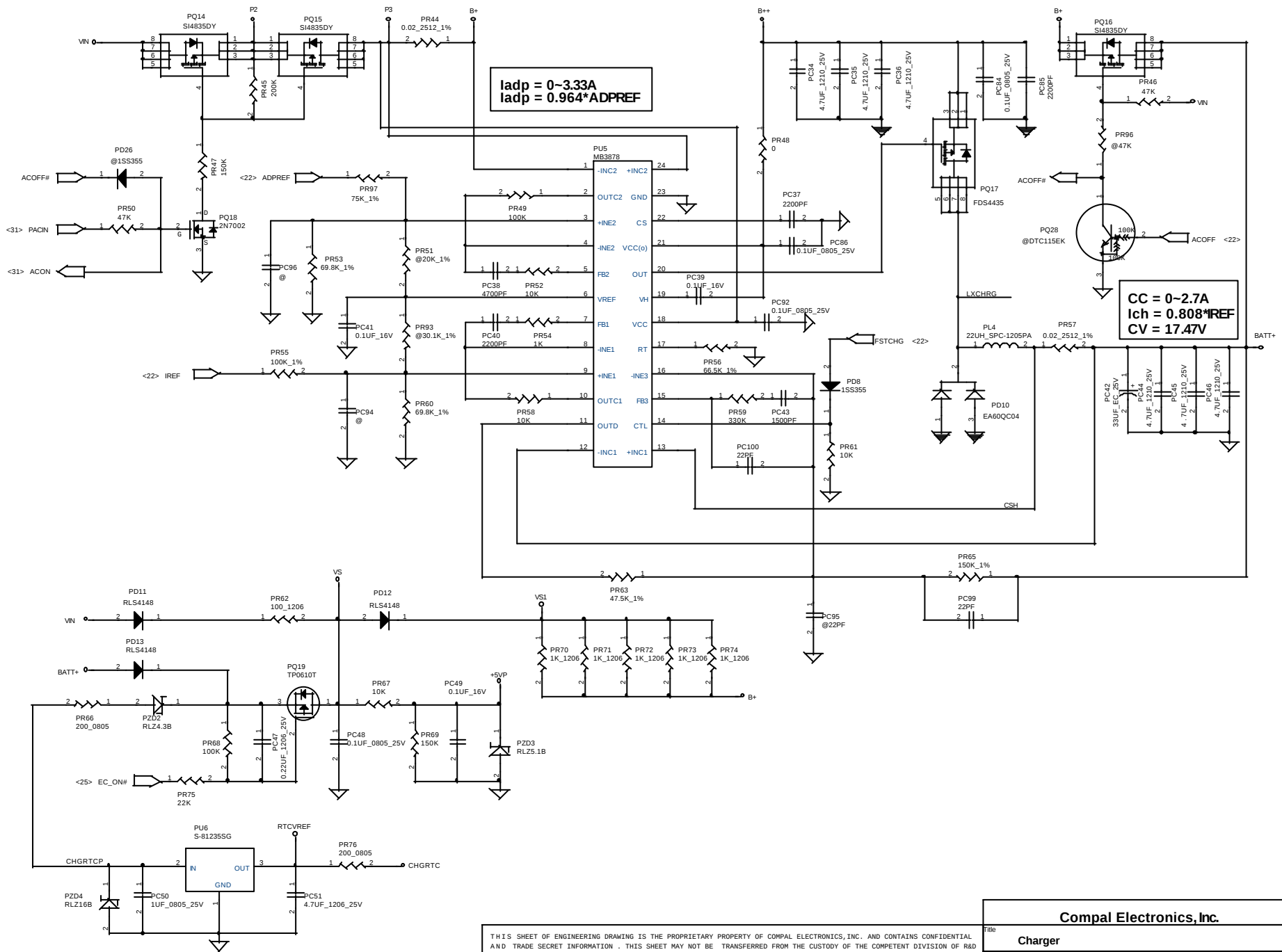
Precharge detector while AC adaptor
High 16.5 15.8 15.1
Low 13.9 13.2 12.5

Vin Detector
High 18.7 17.9 17.1
Low 18.0 17.3 16.5



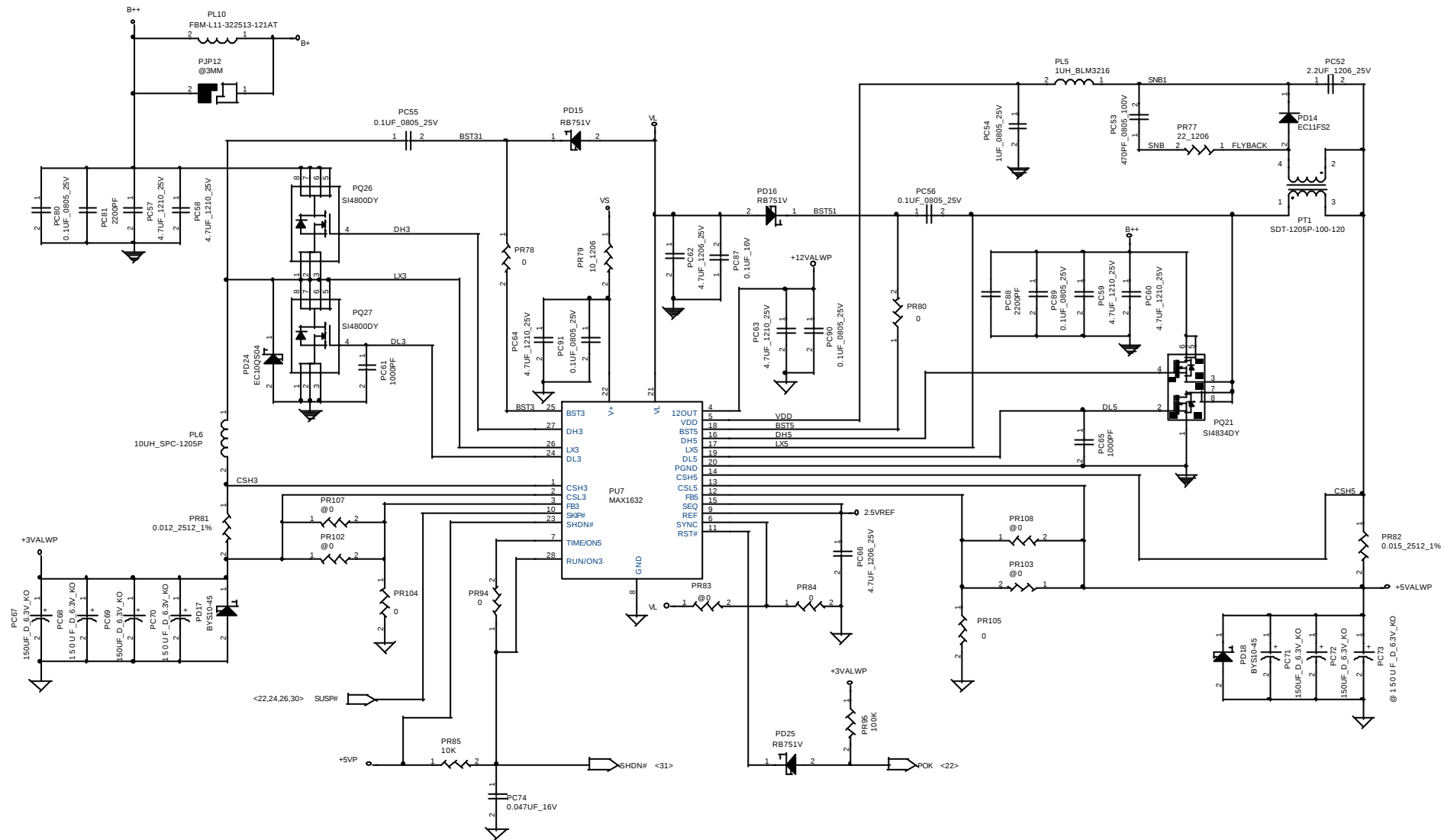
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Compal Electronics, Inc.			
Title	Detector		
Size	Document Number	Rev	
	888L2 Main Board	2.0	
Date:	Thursday, January 11, 2001	Sheet	31 of 42



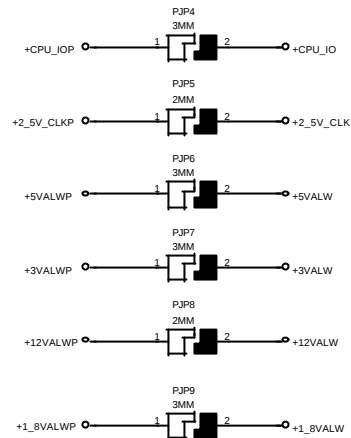
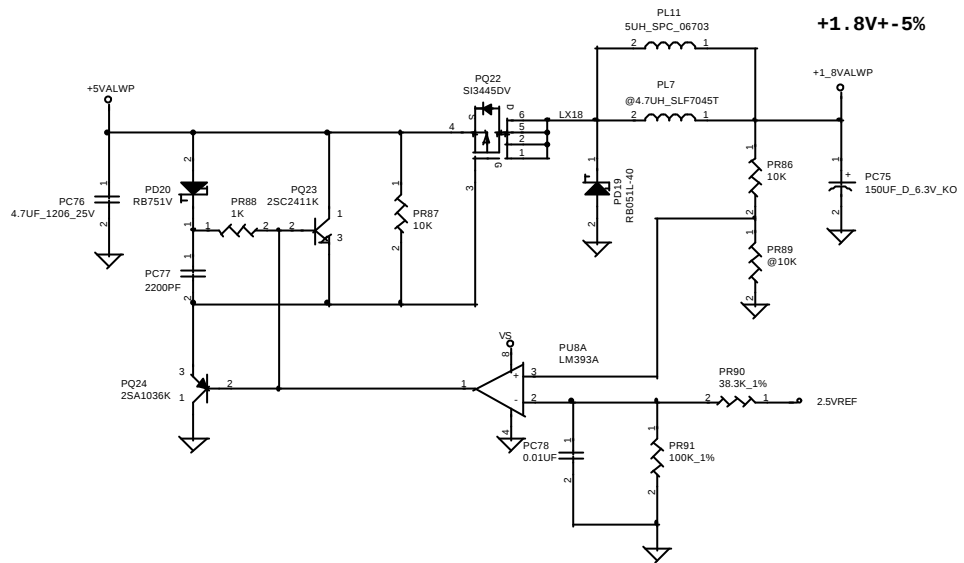
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Compal Electronics, Inc.			
Title			
Charger			
Size	Document Number	Rev	
	888L2 Main Board	2.0	
Date:	Thursday, January 11, 2001	Sheet	32 of 42



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Compal Electronics, Inc.			
Title	3.3V/5V/12V		
Size	Document Number	Rev	
	888L2 Main Board	2.0	
Date:	Thursday, January 11, 2001	Sheet	33 of 42



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Compal Electronics, Inc.			
File	+1.8VS		
Size	Document Number		Rev
	888L2 Main Board		2.0
Date:	Thursday, January 11, 2001		Sheet 34 of 42