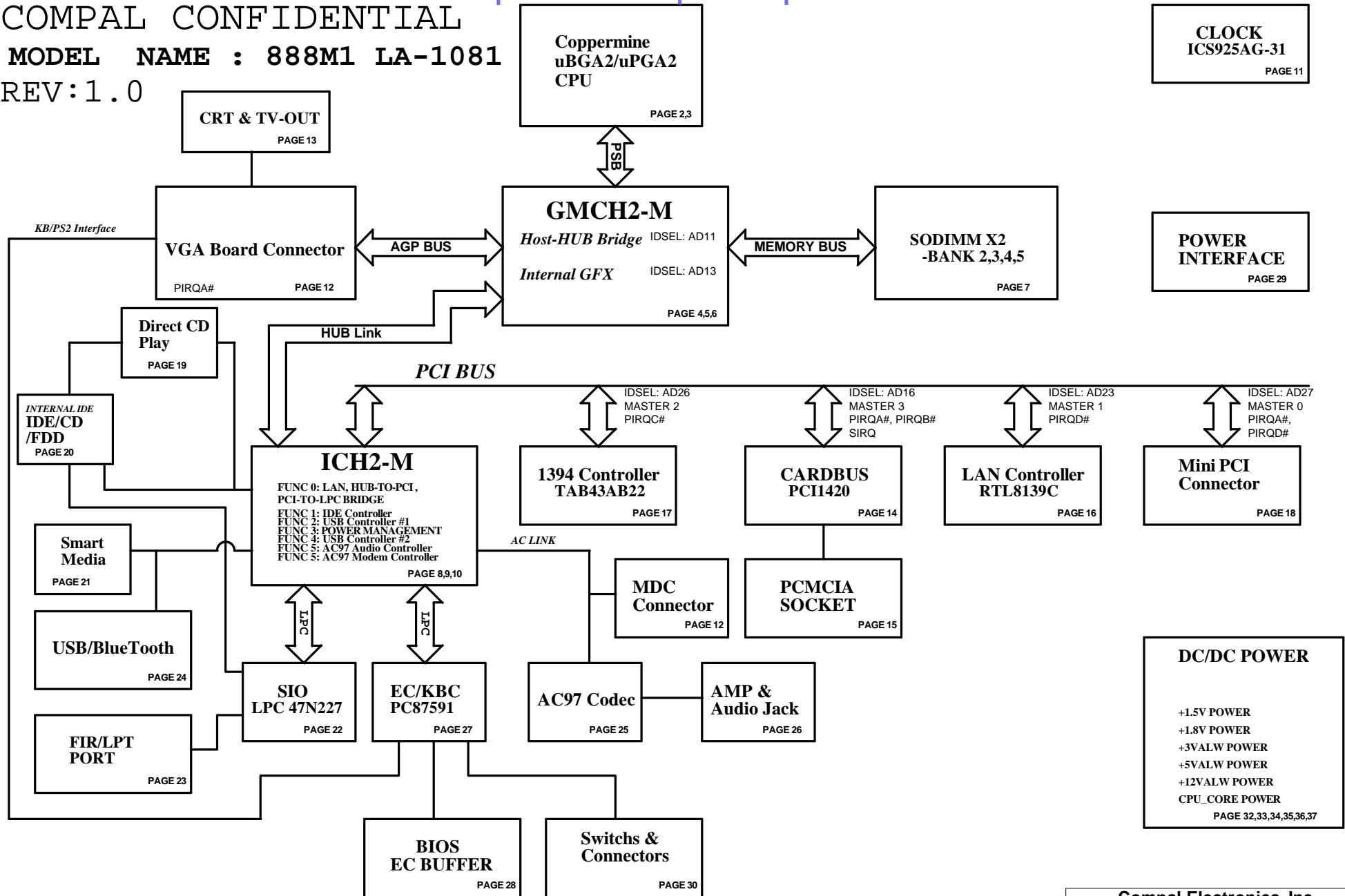
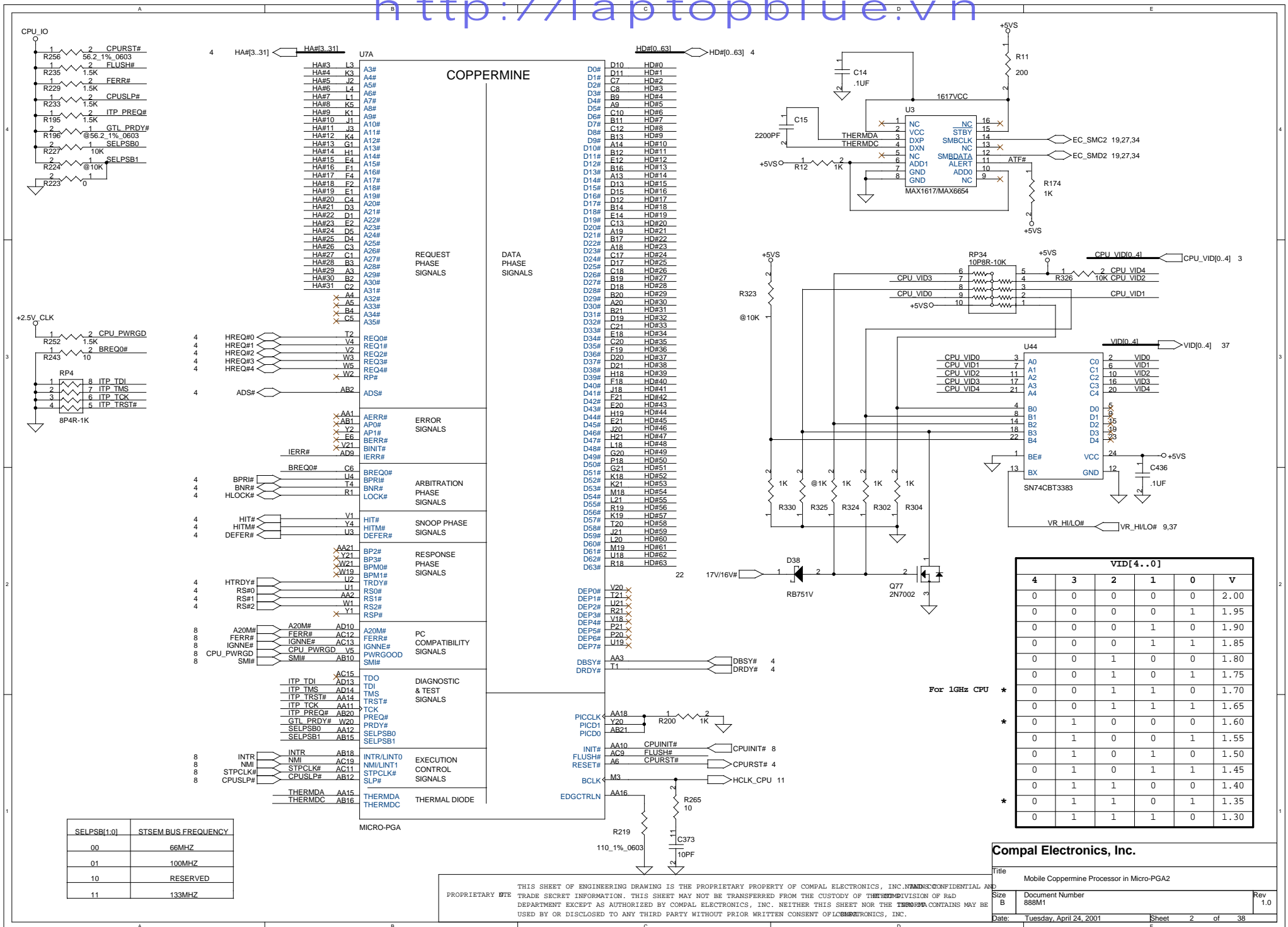


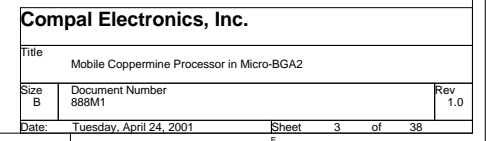
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MODEL NAME : 888M1 LA-1081
REV:1.0

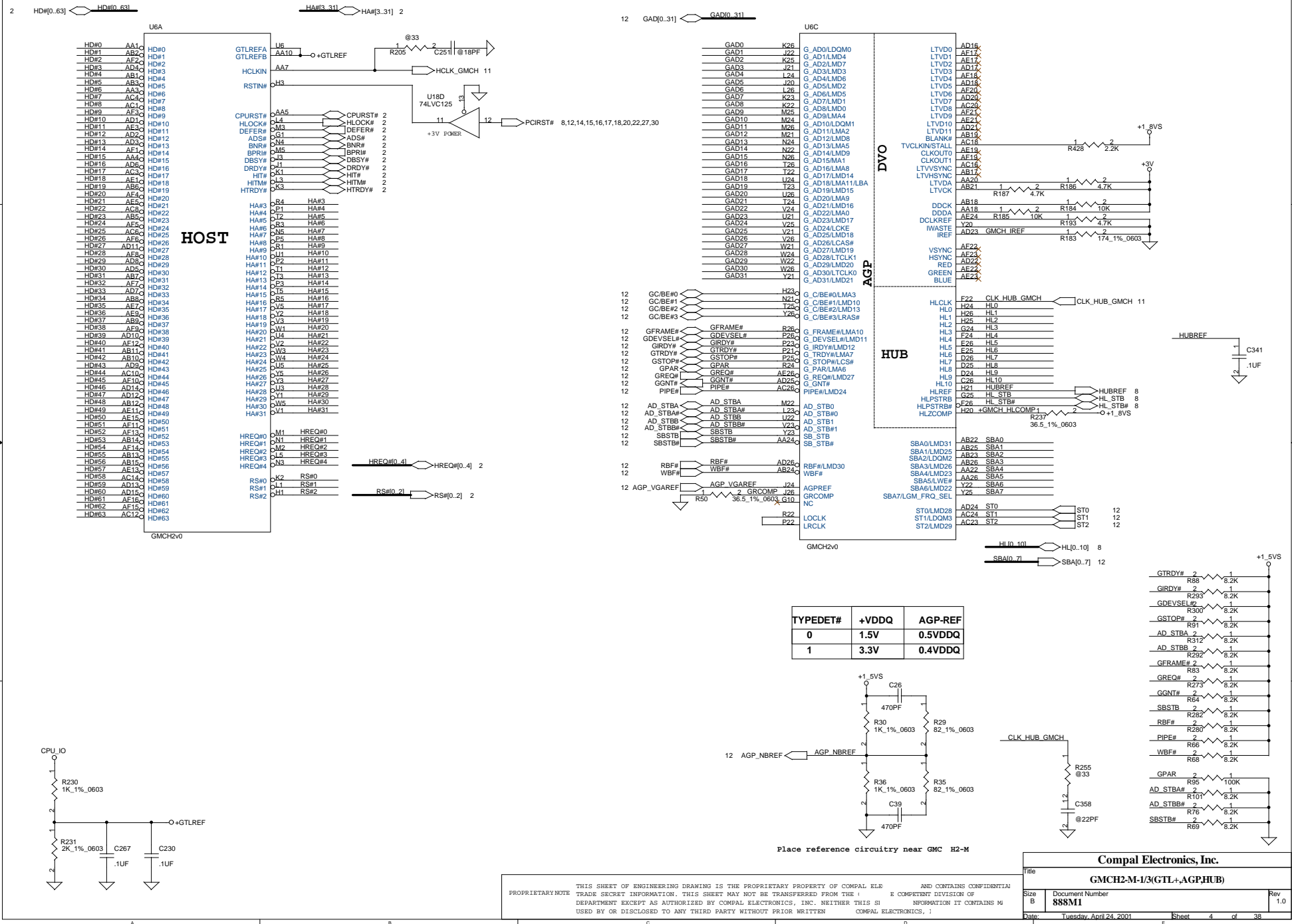


Compal Electronics, Inc.			
Title	888M1 COVER SHEET		
Size	Document Number	Rev	
B	888M1	1.0	
Date:	Tuesday, April 24, 2001	Sheet	1 of 38

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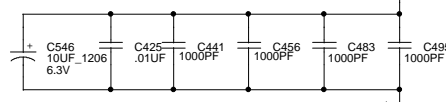


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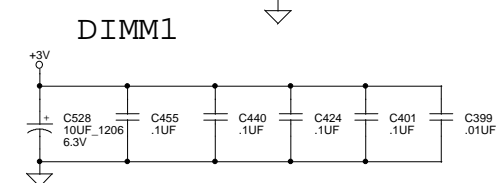
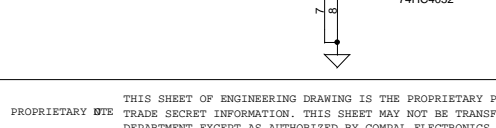
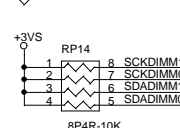
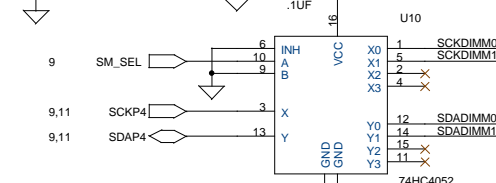
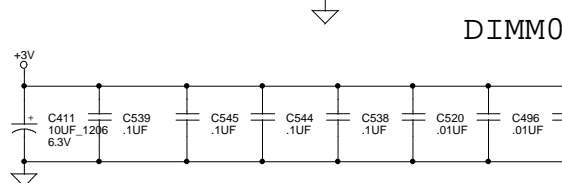
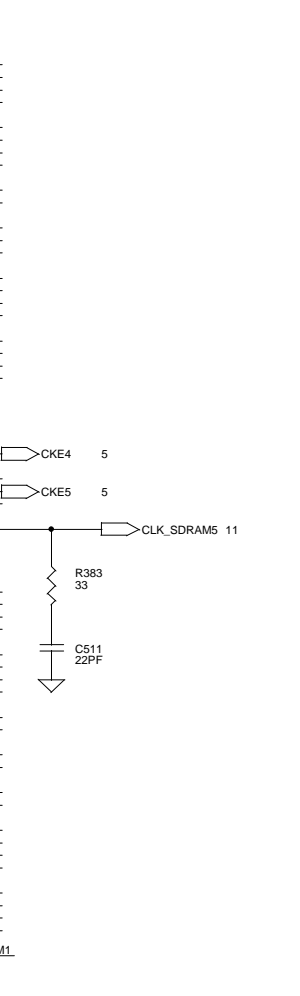
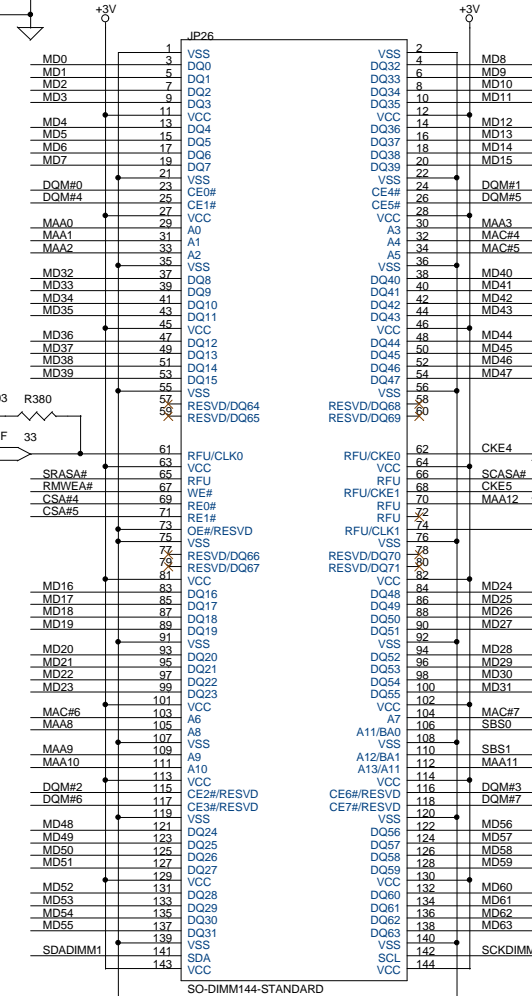
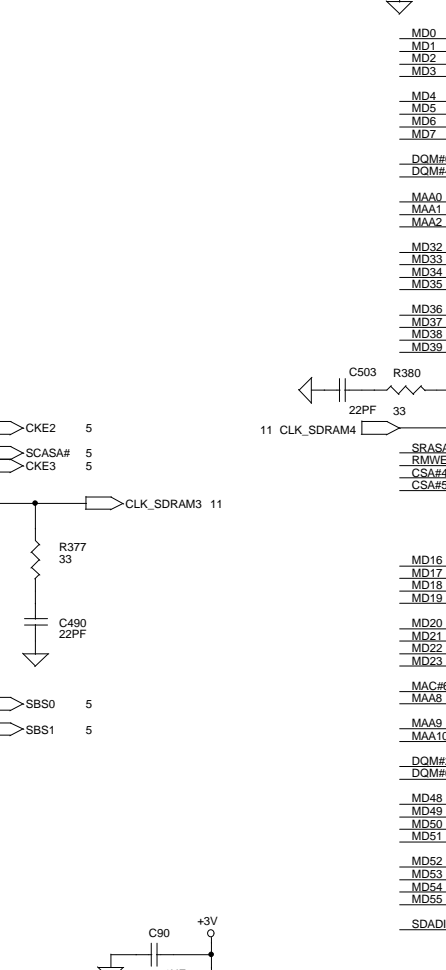
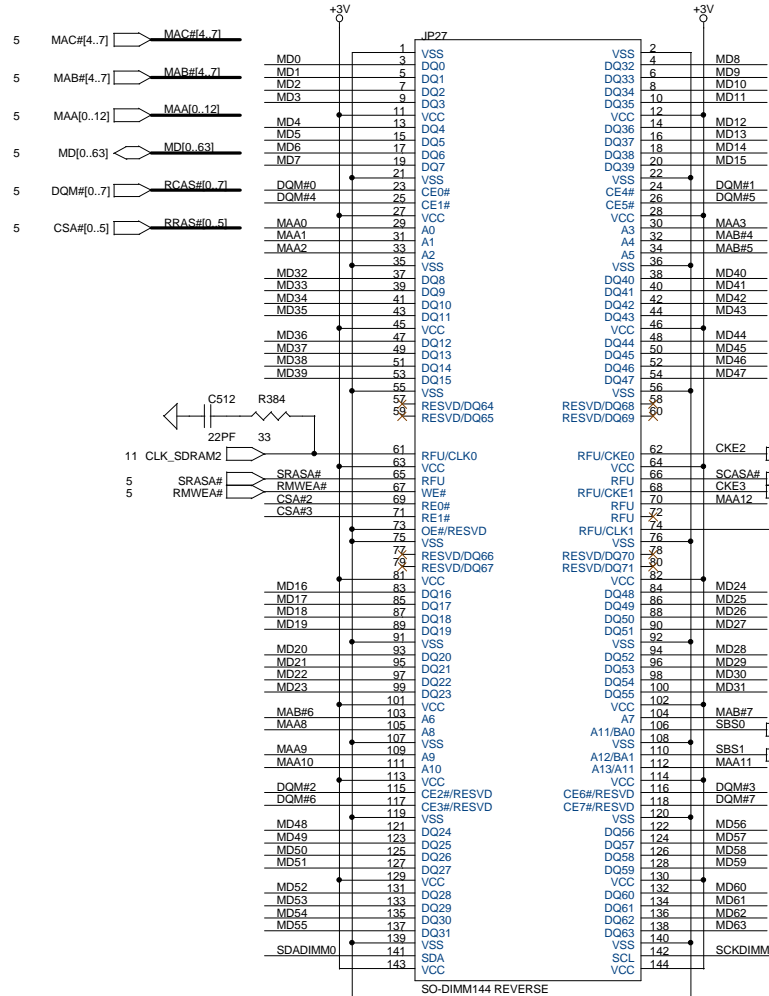
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E7	VSS (GND)	AGPBUSY# (OUTPUT)
AA6	V_1.8 (1.8V)	RESERVED (1.8V)
Y17	VSS (GND)	INTRPT# (INPUT)
AC18	LTVCLKIN (INPUT)	LTVCLKIN/STALL (INPUT)

SO-DIM 144 PINS
RAM MODULE CONN.

BANK 2/3



BANK 4/5



Title		S.O. DIMM CONNECTOR	
Size	Document Number	Rev	
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ICH-2M

14,16,17,18 AD[0..31]

(FW82801BAM)

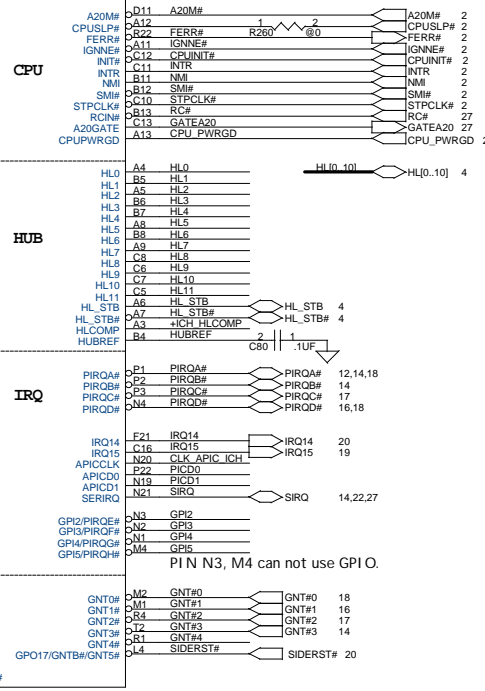
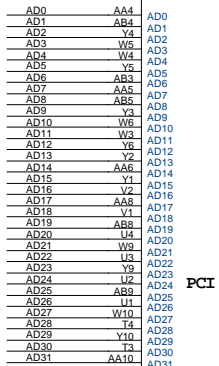
U34A

CPU

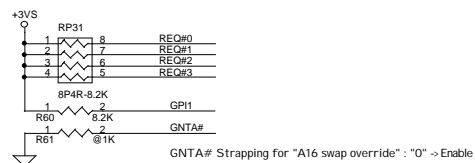
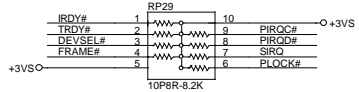
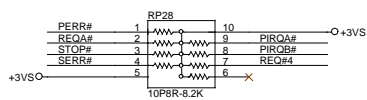
HUB

PCI

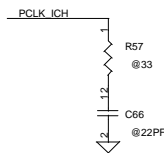
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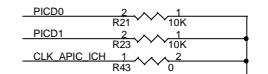
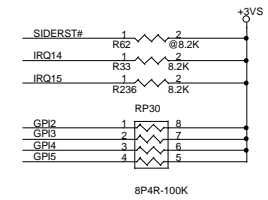
PCI Pullups



REQ#0	WLAN
REQ#1	LAN
REQ#2	1394
REQ#3	PCMCIA CONTROLLER
REQ#4	NC



Place divider pair in middle of bus



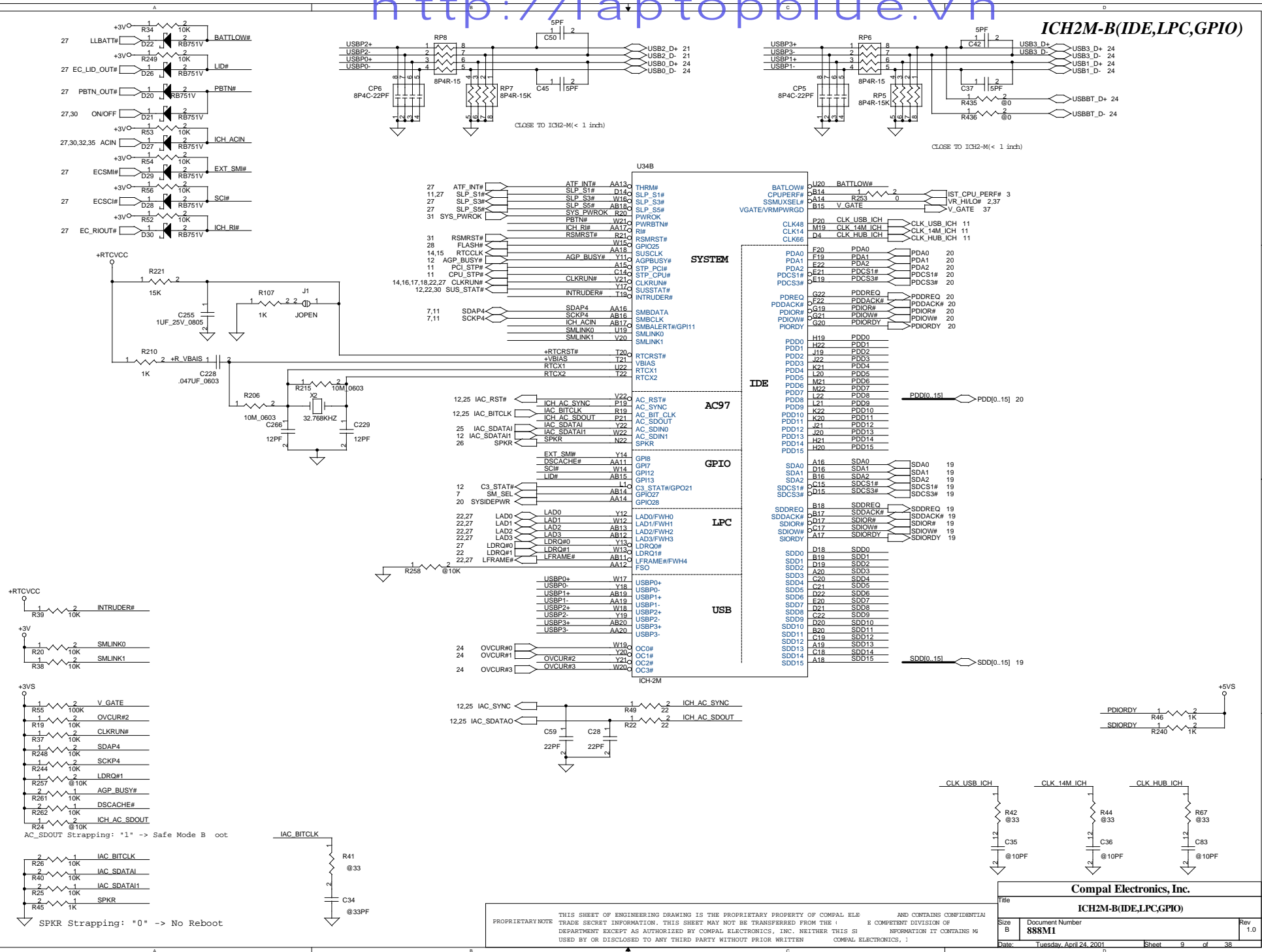
Compal Electronics, Inc.

ICH2M-A(PCLHUB,CPU) & FW8

Title	ICH2M-A(PCLHUB,CPU) & FW8
Size	B
Document Number	888M1
Date	Tuesday, April 24, 2001
Sheet	8 of 38
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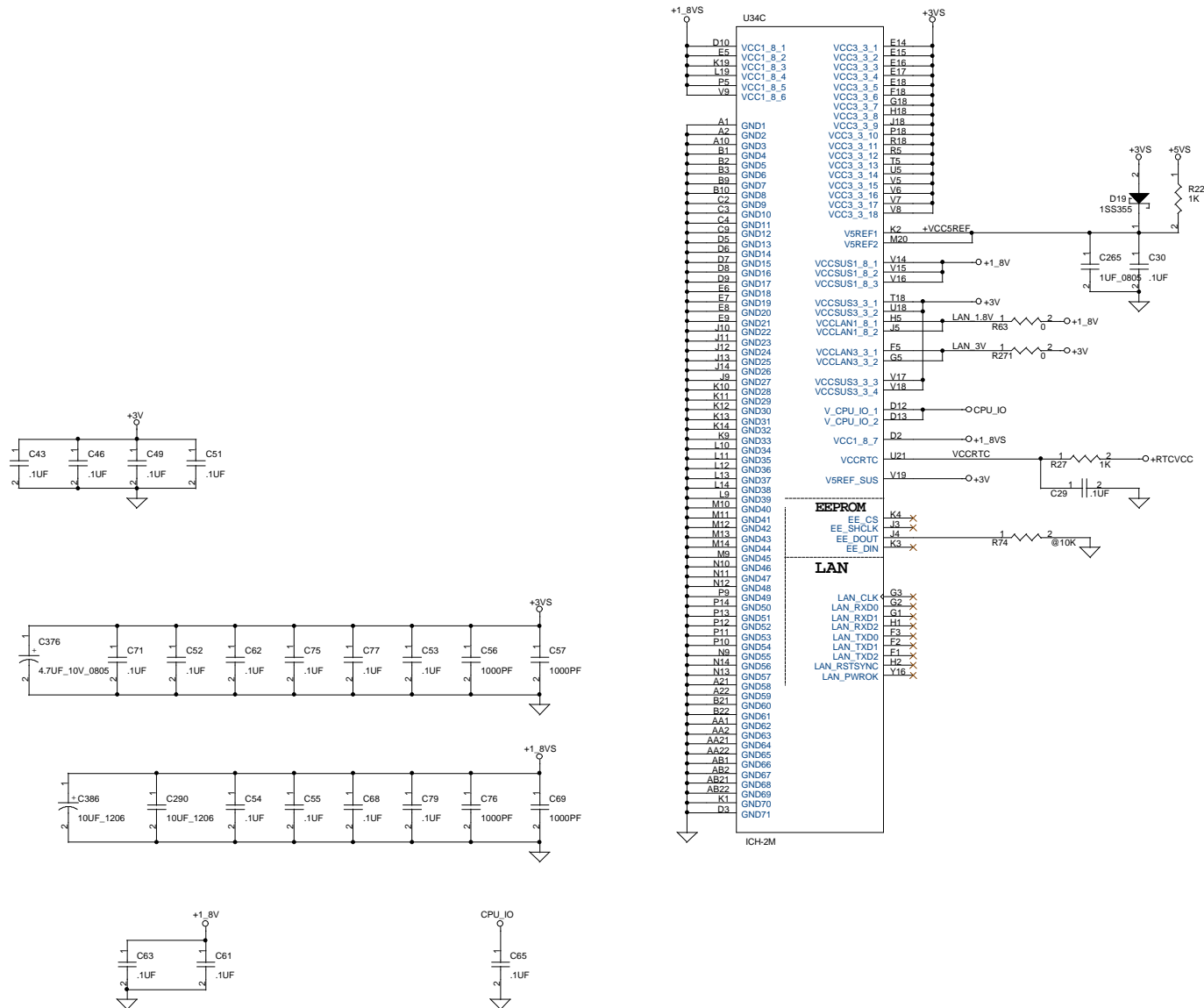
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ICH2M-B(IDE,LPC,GPIO)



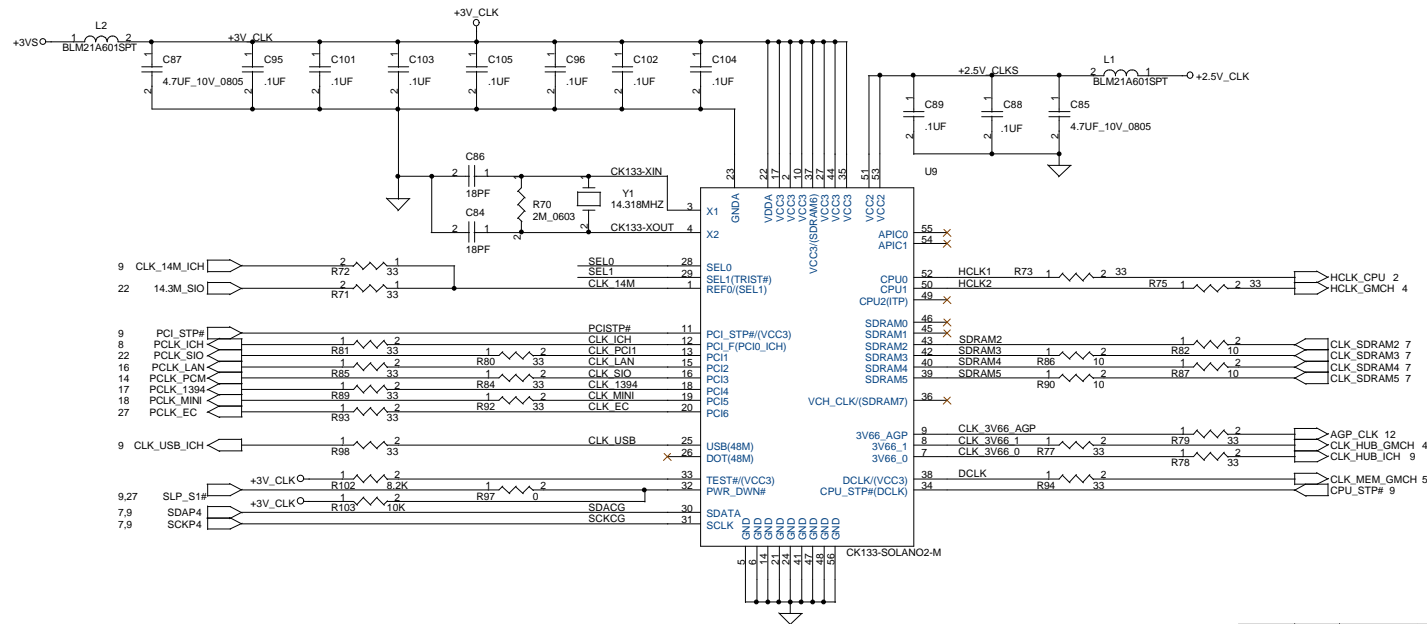
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Title		
ICH2M-B(IDE,LPC,GPIO)		
Size	Document Number	Rev
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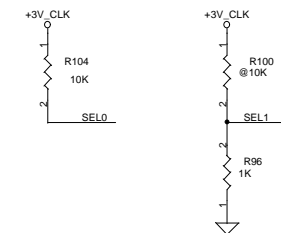
Compal Electronics, Inc.			
Title			
ICH2M-C(LAN,Power) & Pull-Up			
Size	Document Number	Rev	
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TSSOP-56 SA092500000 ICS 9 250AG-31

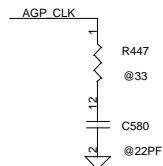
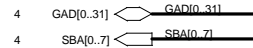
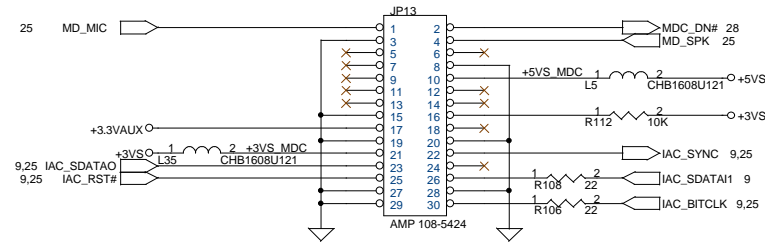
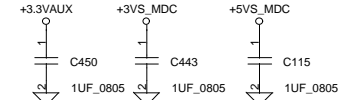
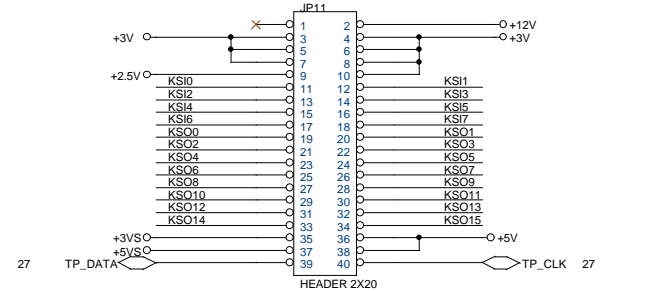
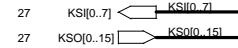
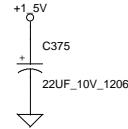
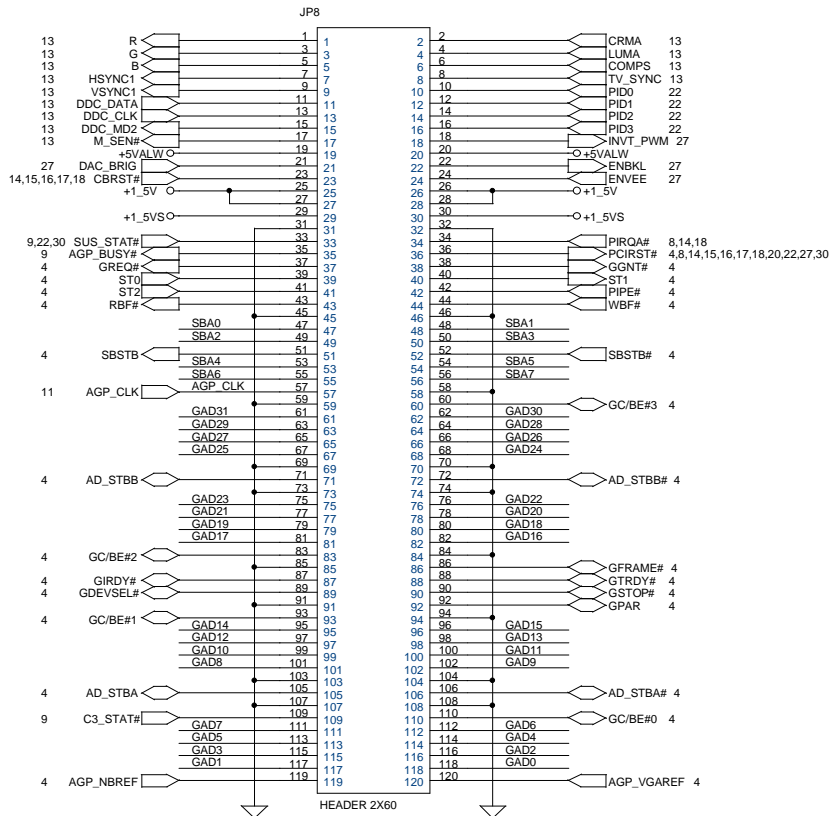
SEL1	SEL0	PSB	SDRAM
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0	1	100	100
1	0	133	133
1	1	133	100

*



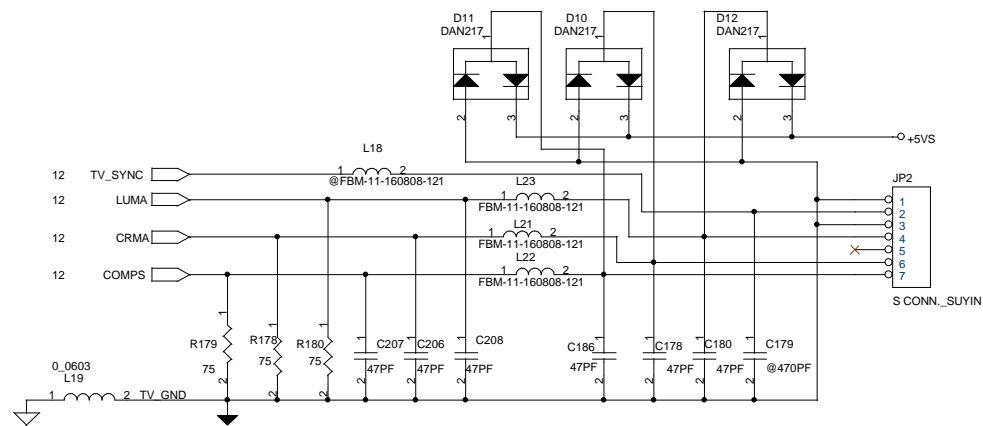
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Compal Electronics, Inc.		
Title		
Clock Generator		
Size B	Document Number 888M1	Rev 1.0
Date: Tuesday, April 24, 2001	Sheet 11	of 38

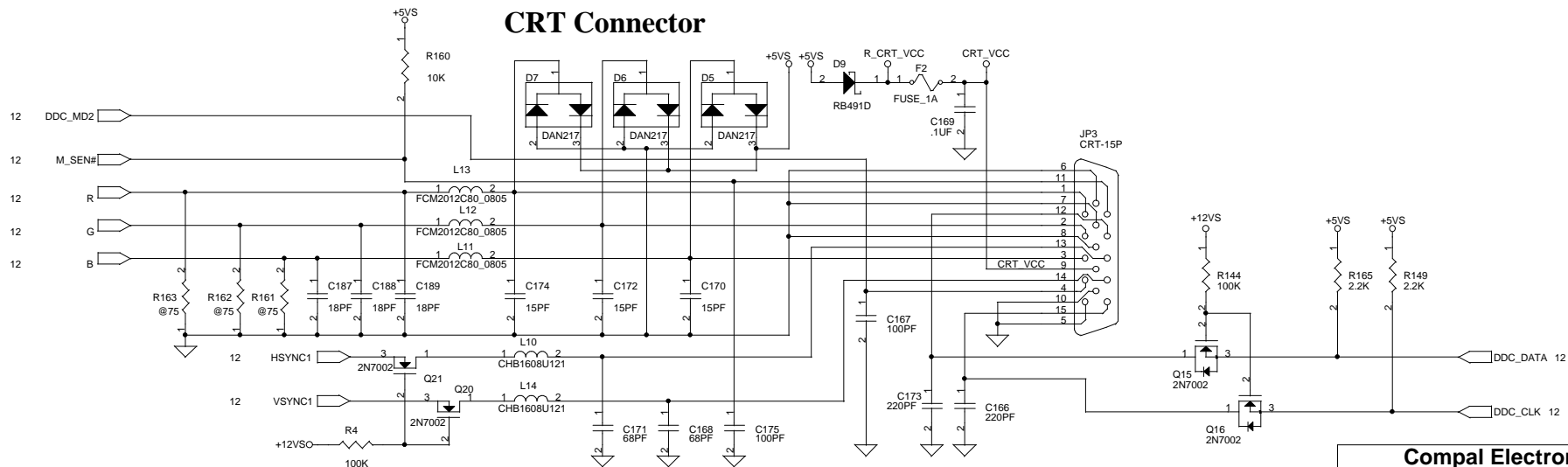


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Compal Electronics, Inc.			
Title			
VGA Connector & MDC Connector			
Size	Document Number	Rev	
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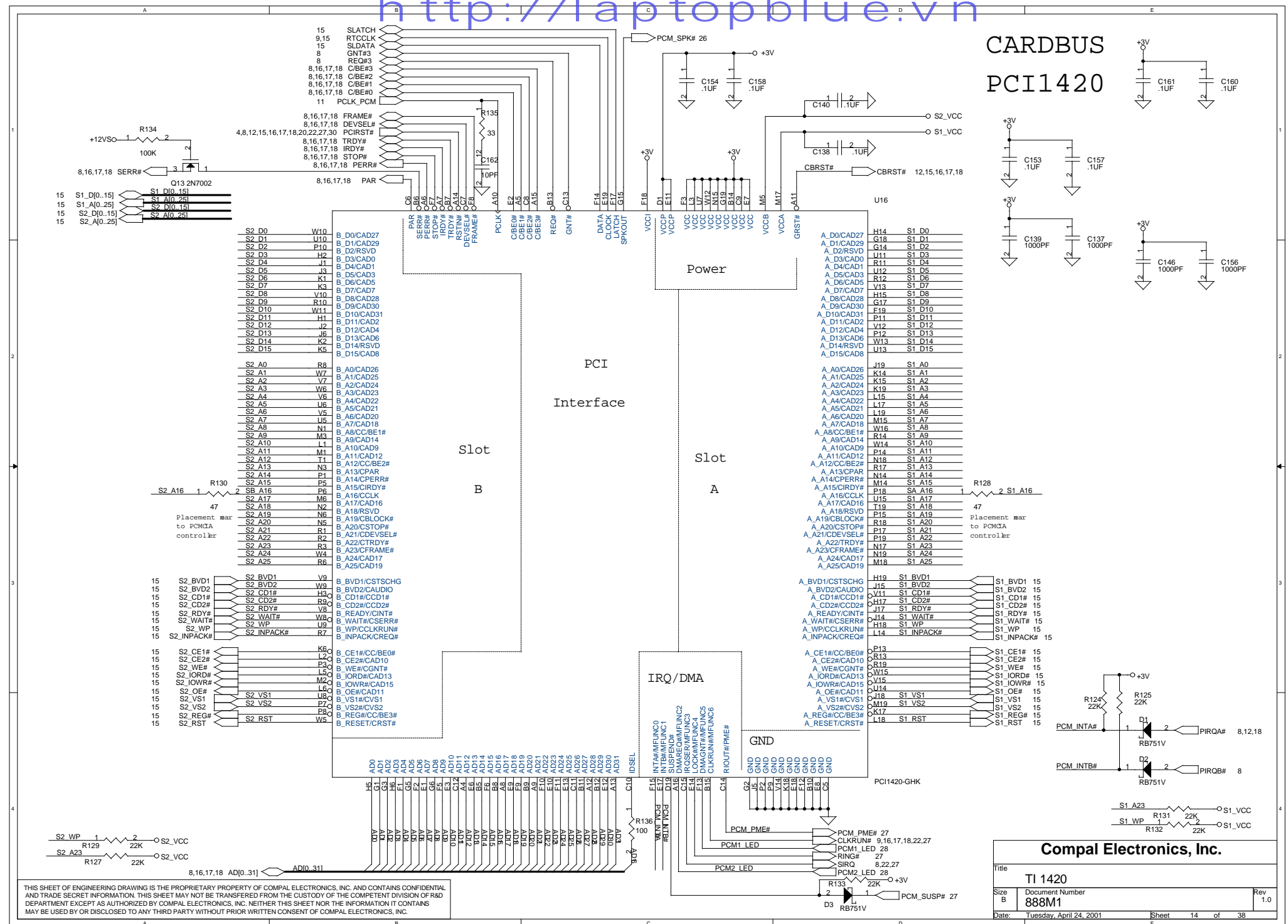
CRT Connector



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Title		CRT&TV-OUT Connector	
Size	Document Number	Rev	
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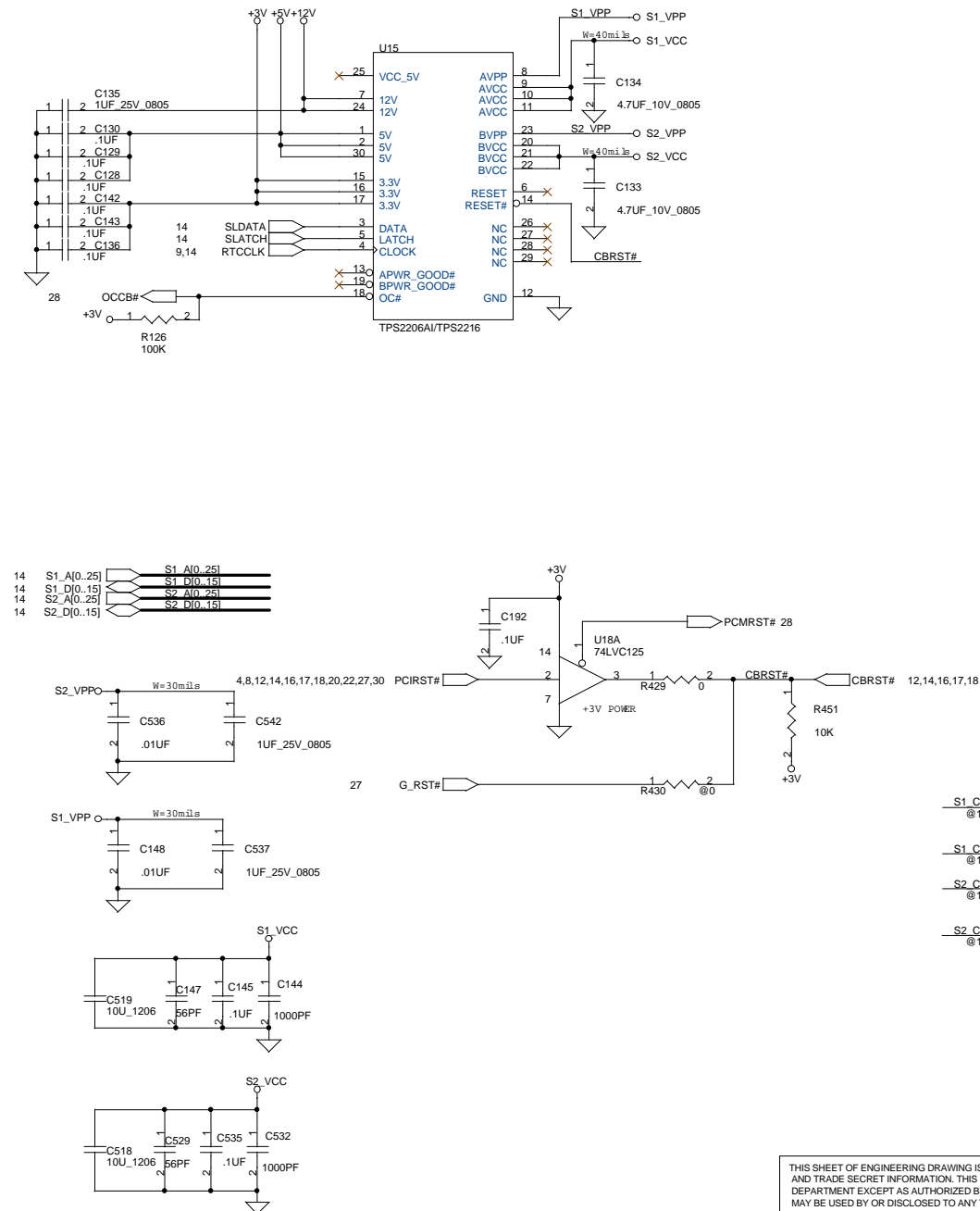


CARDBUS
PCI1420

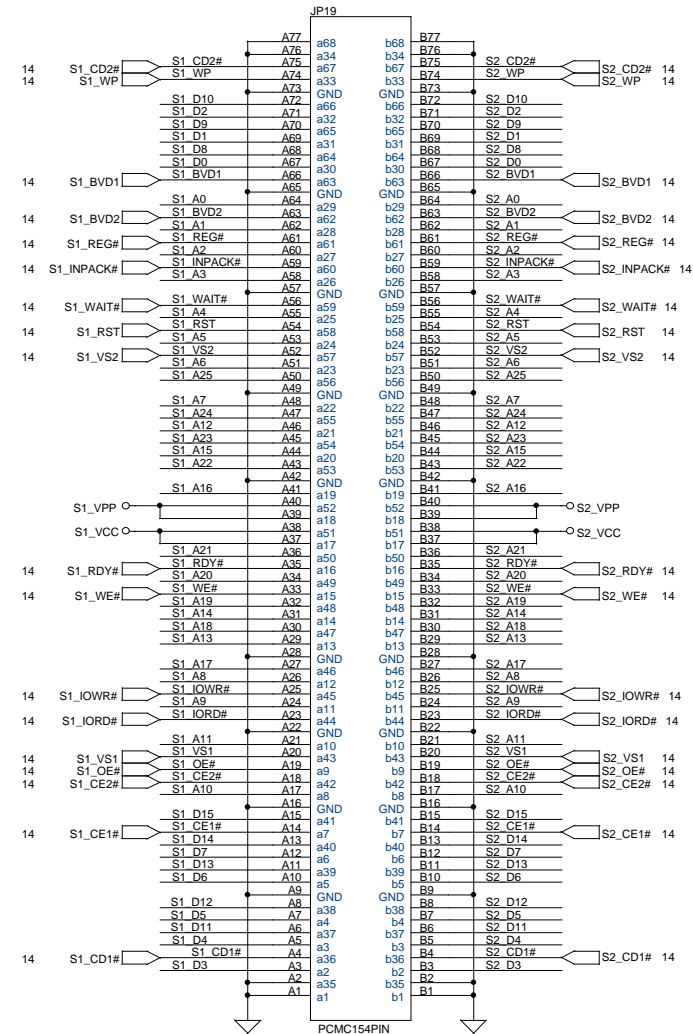
Compal Electronics, Inc.

Title			
TI 1420			
Size	Document Number		Rev
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PCMCIA POWER CTRL.



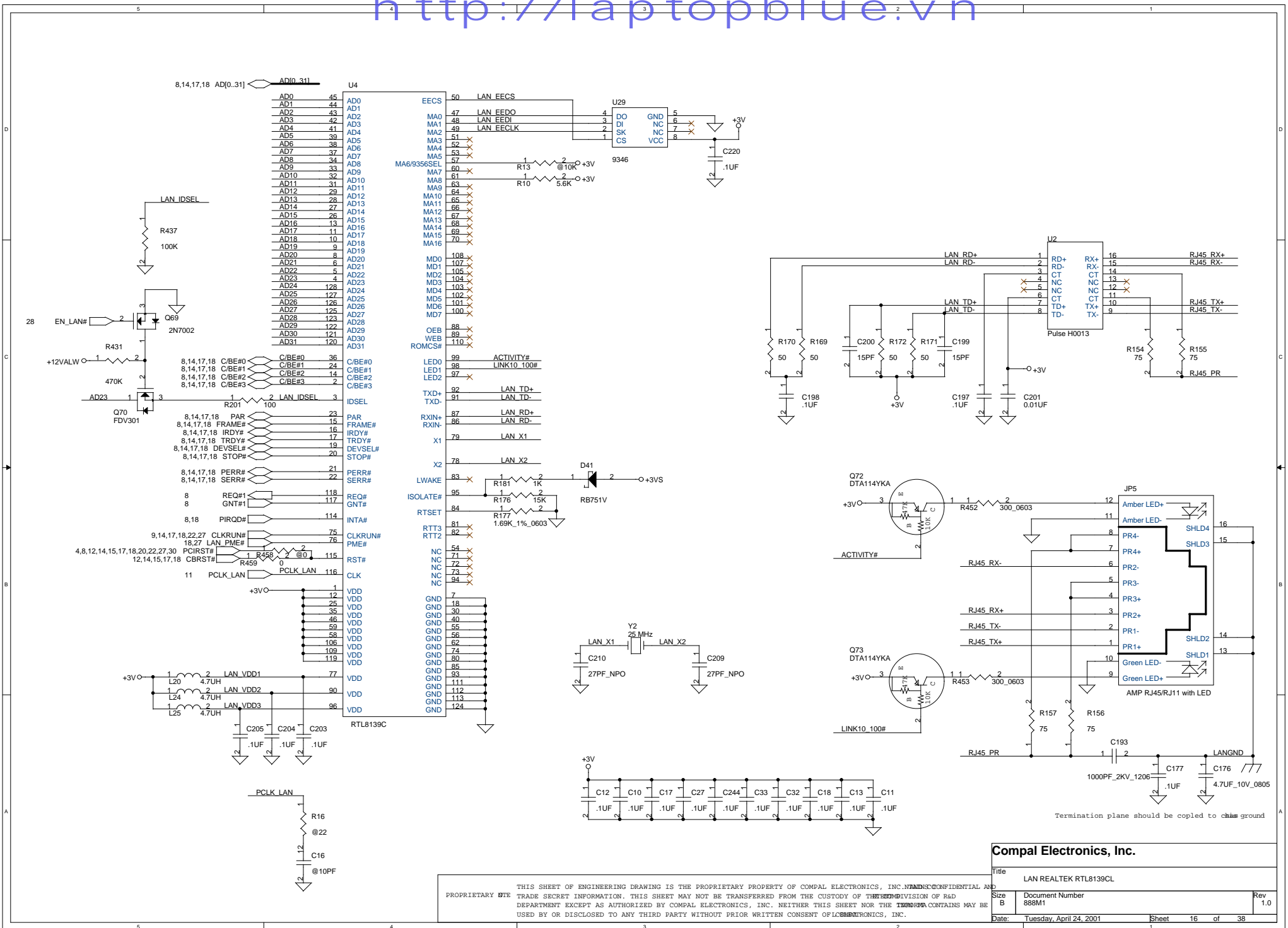
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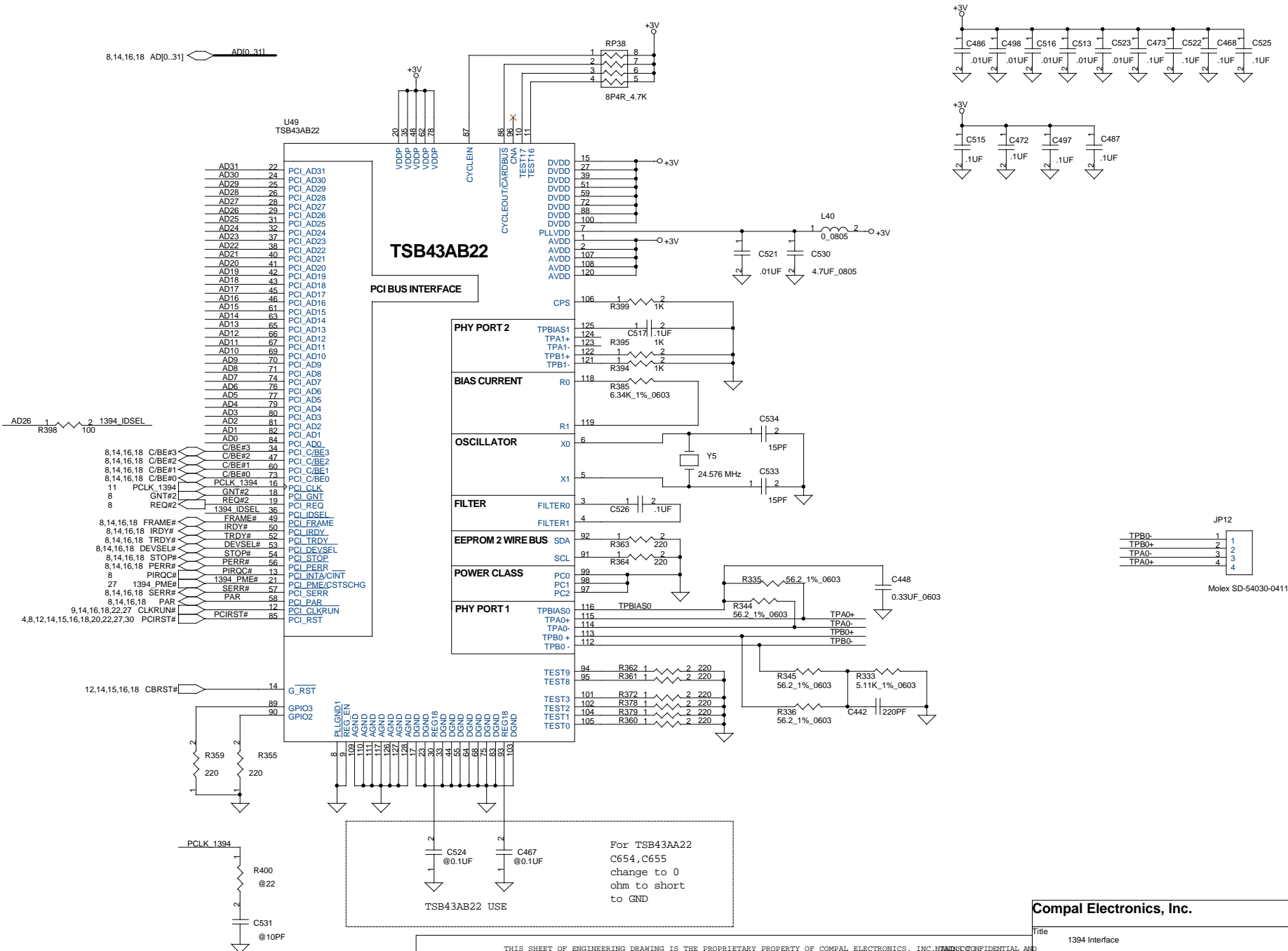


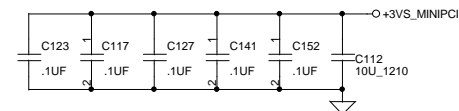
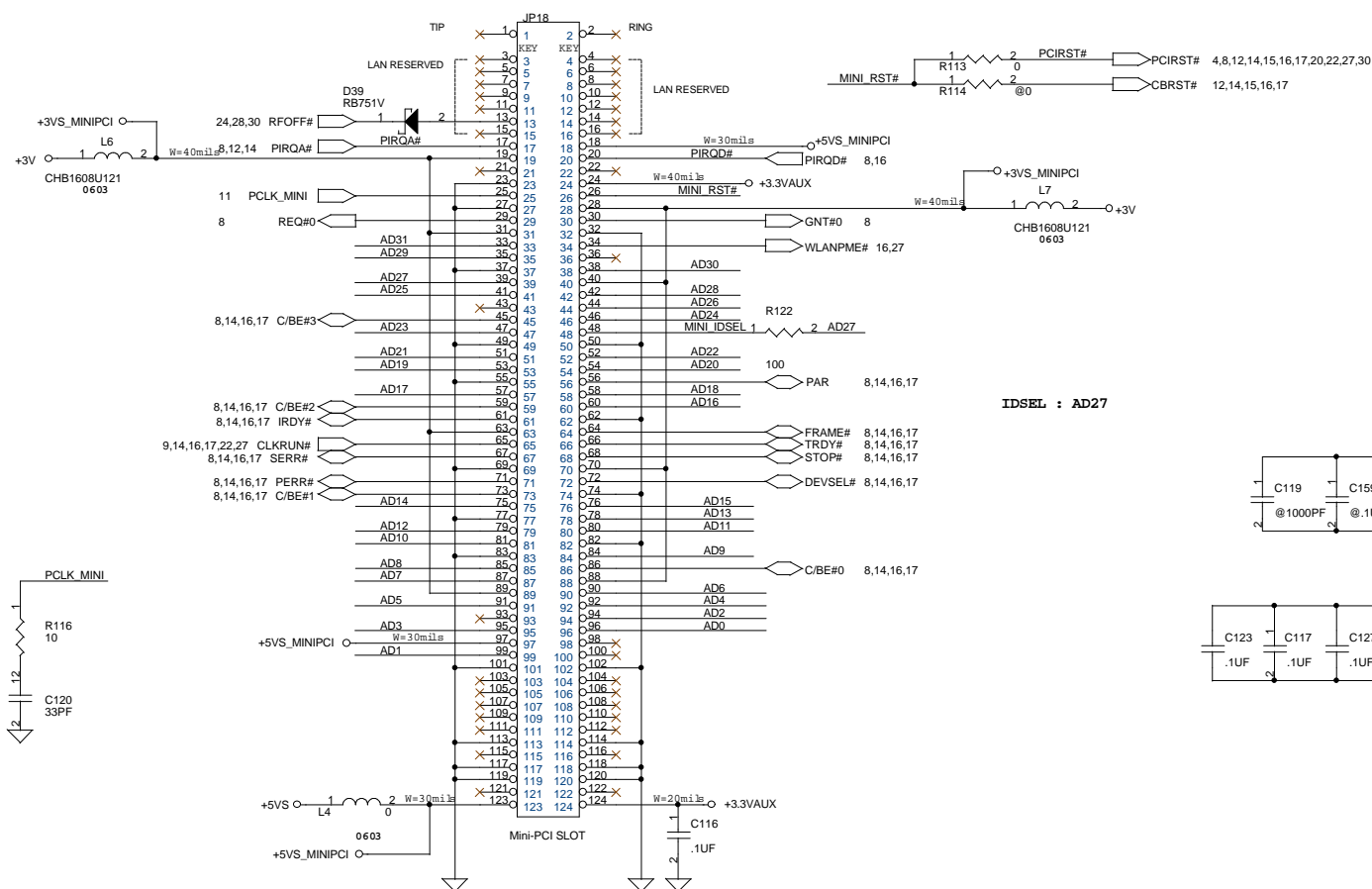
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Title		FCI PCMCIA SOCKET	
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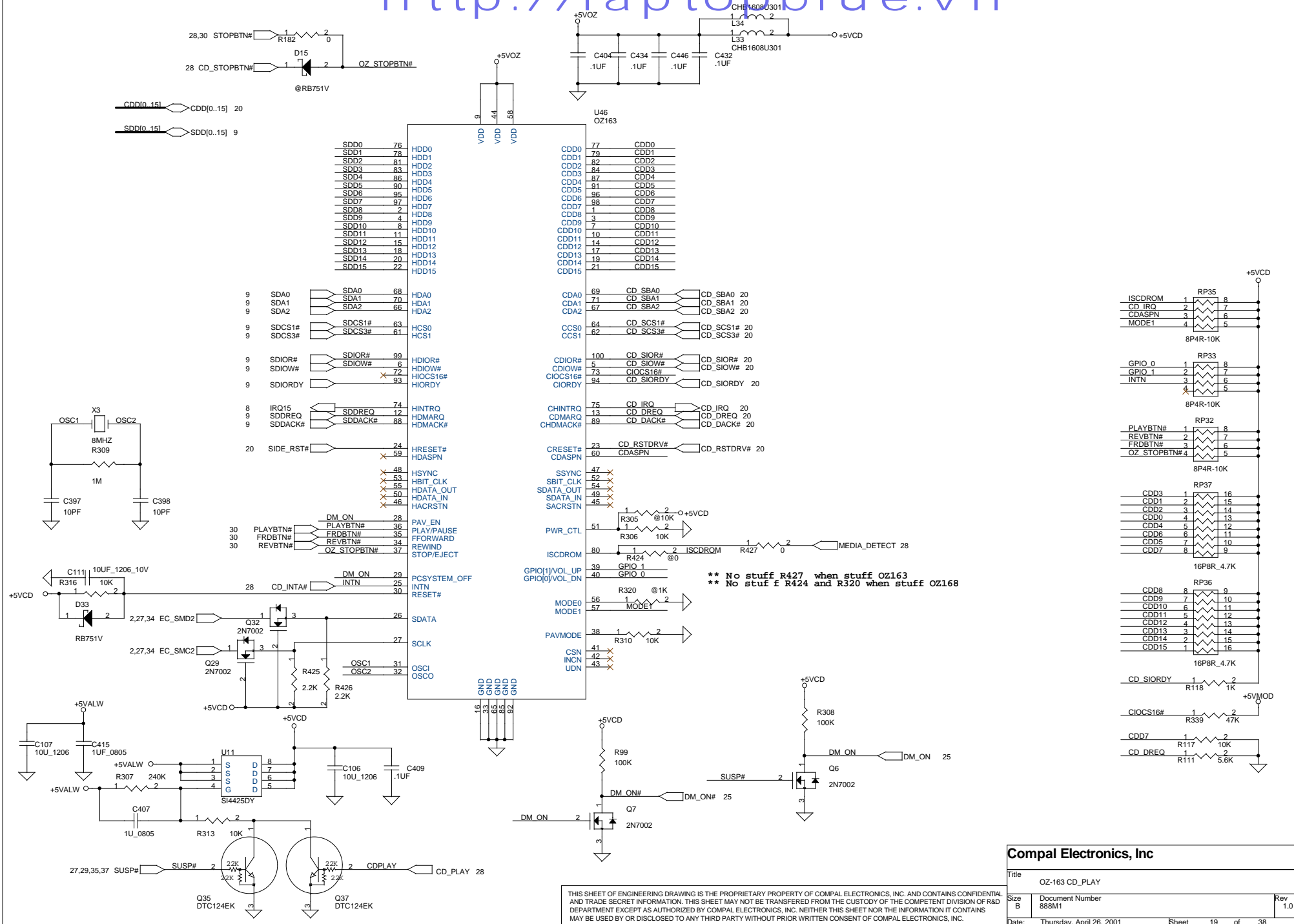


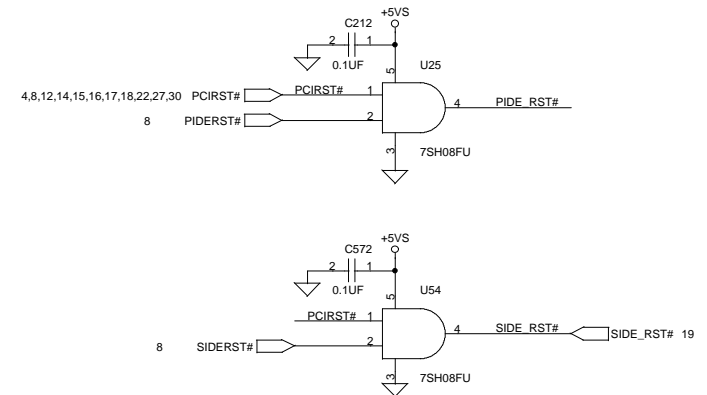
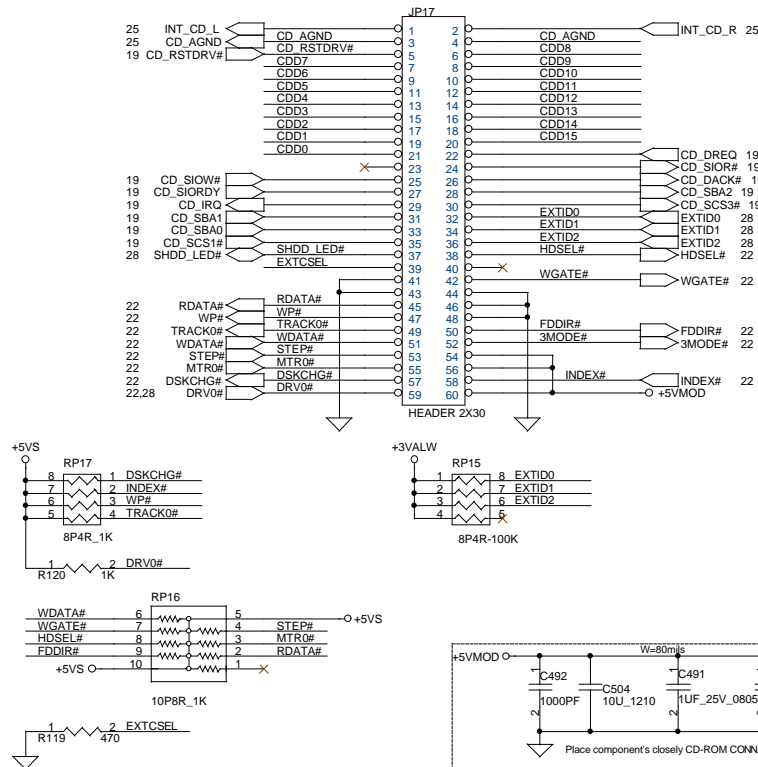
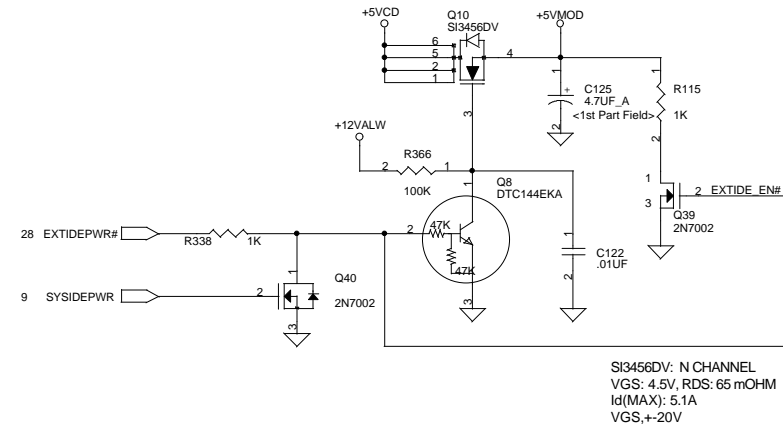
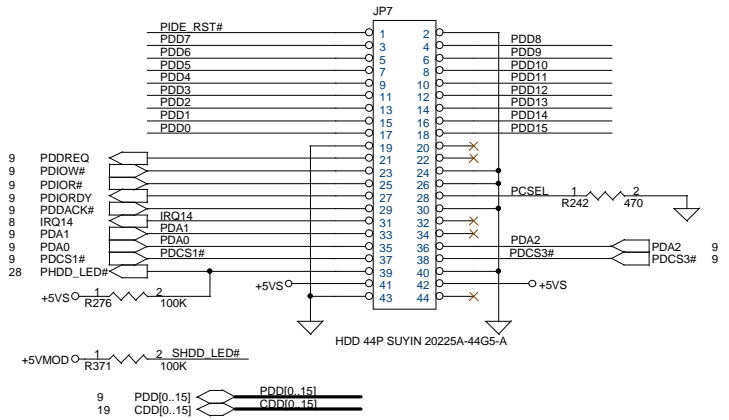
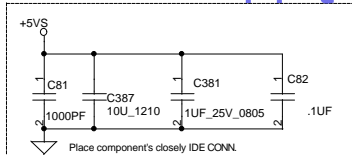
AD[0..31] AD[0..31] 8,14,16,17

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Compal Electronics, Inc

Title		MINI_PCI	
Size	Document Number	Rev	
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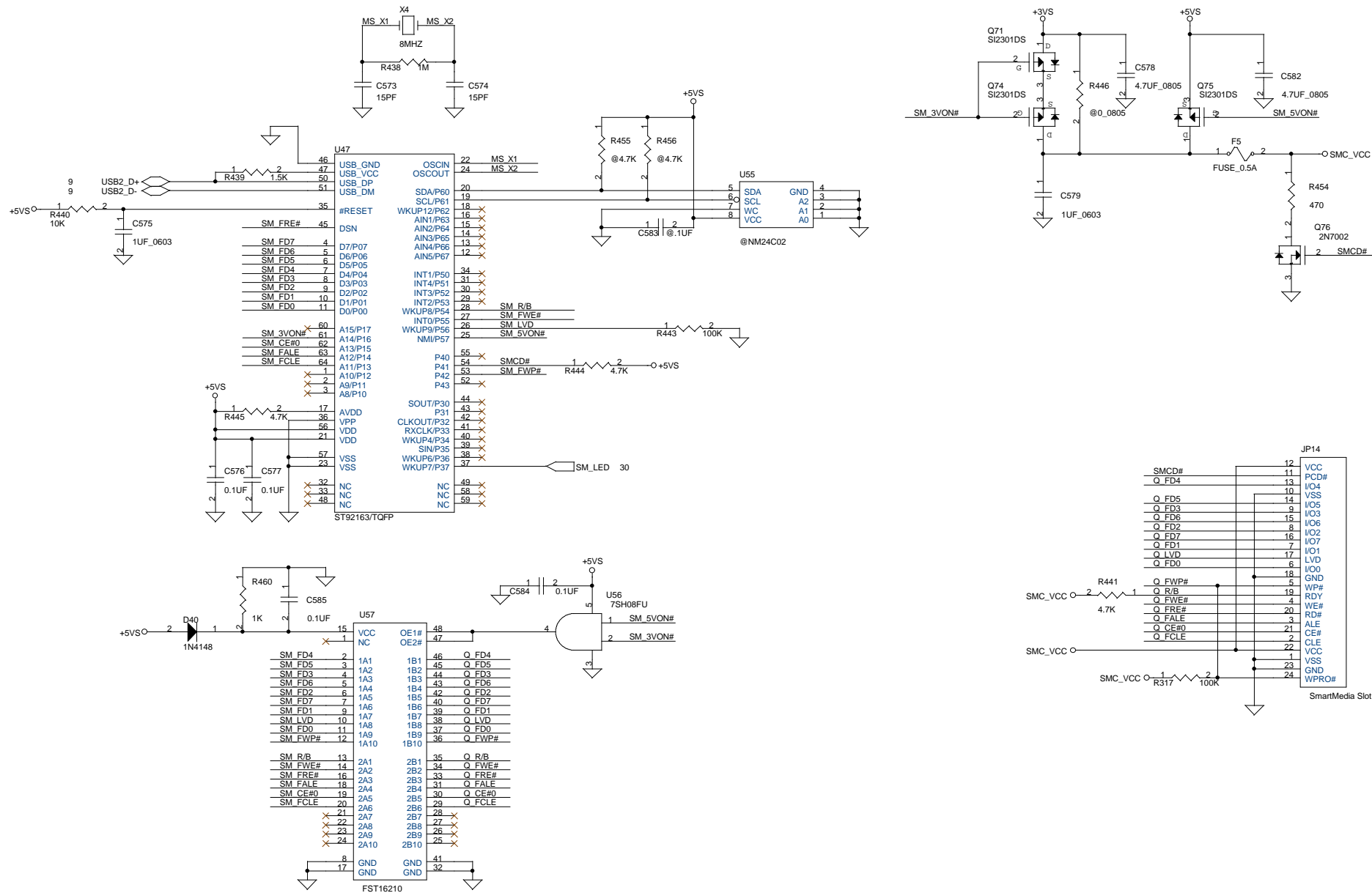


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Title IDE/ FDD MODULE CONN.

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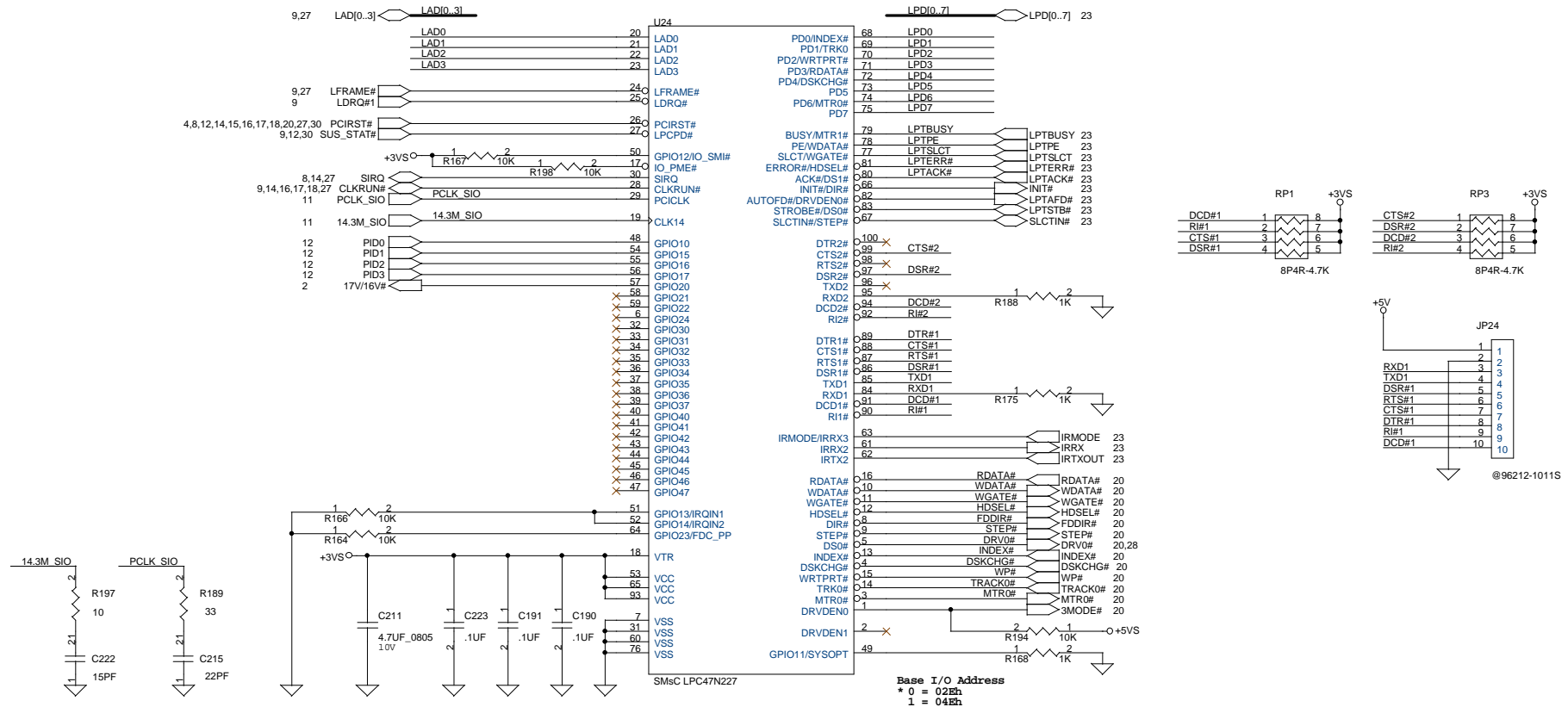
**Compal Electronics, Inc.**

	Title	SmartMedia Interface
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SUPER I/O SMsC FDC47N227

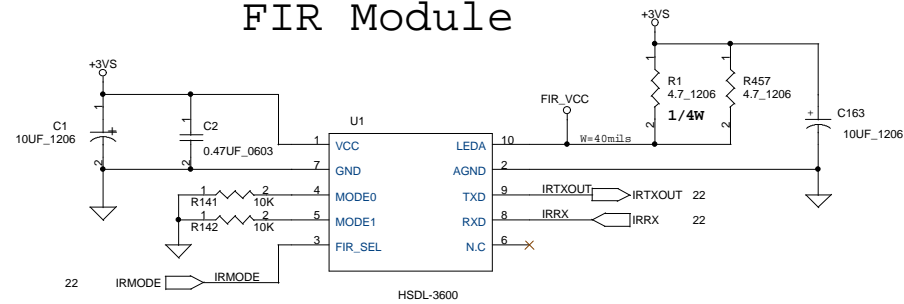


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Title	SUPER I/O
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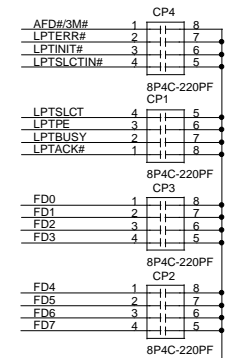
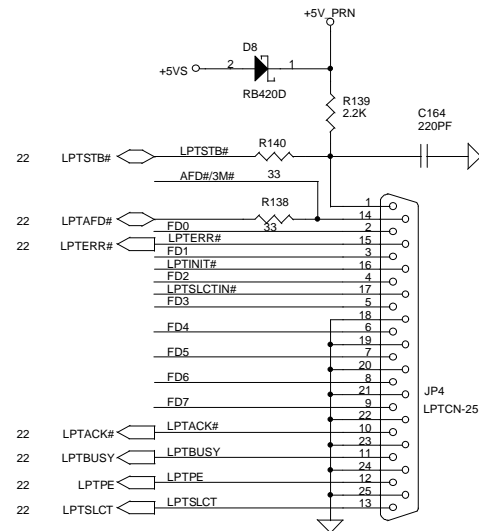
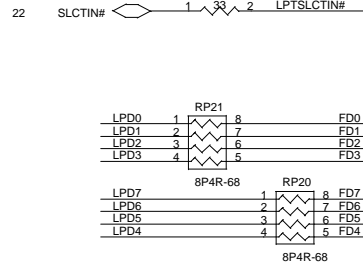
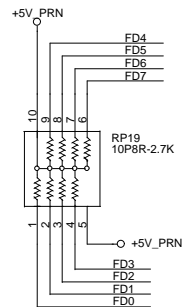
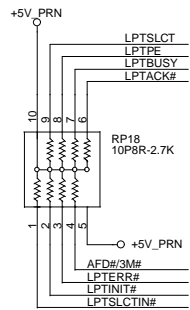
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FIR Module



The component's most place
cloely IRDA MODULE.

PARALLEL PORT



Compal Electronics, Inc.

Title PARALLEL PORT

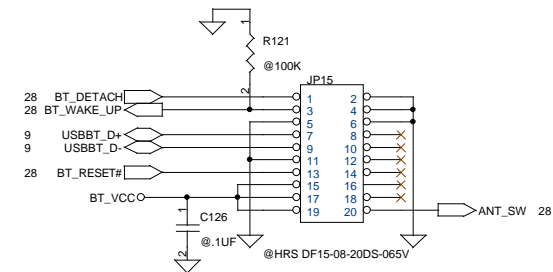
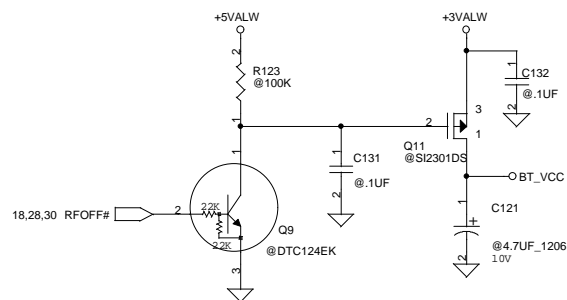
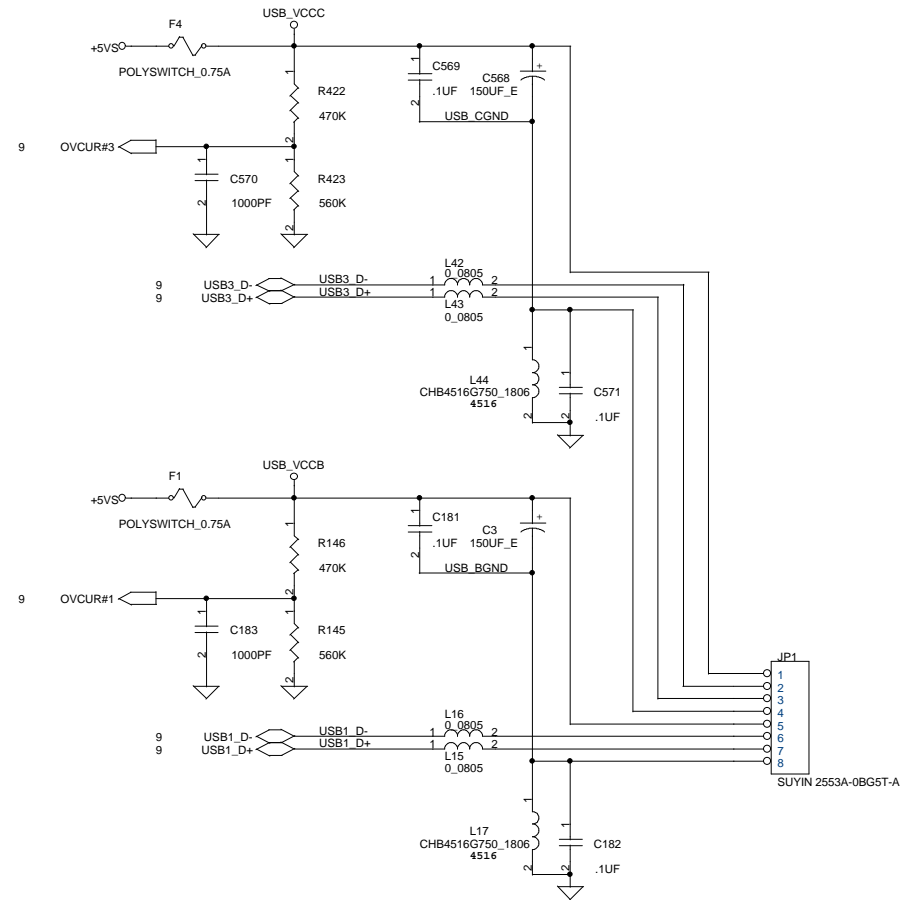
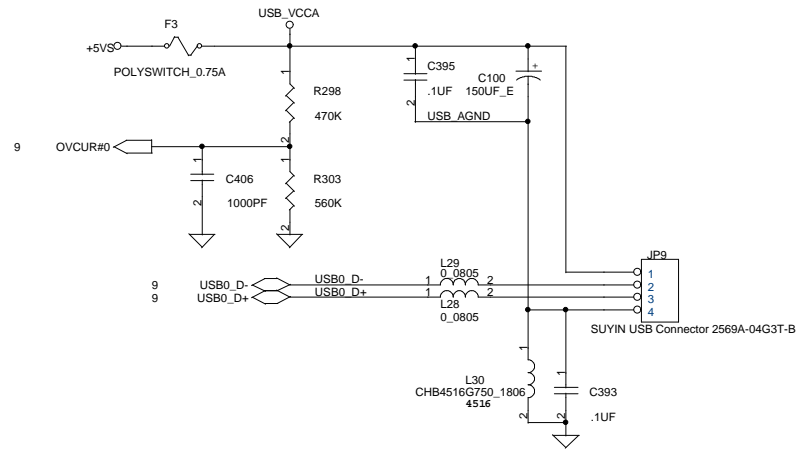
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**Compal Electronics, Inc**

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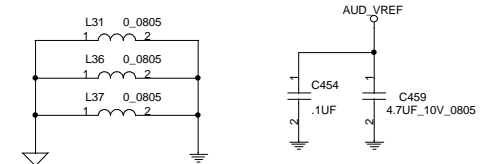
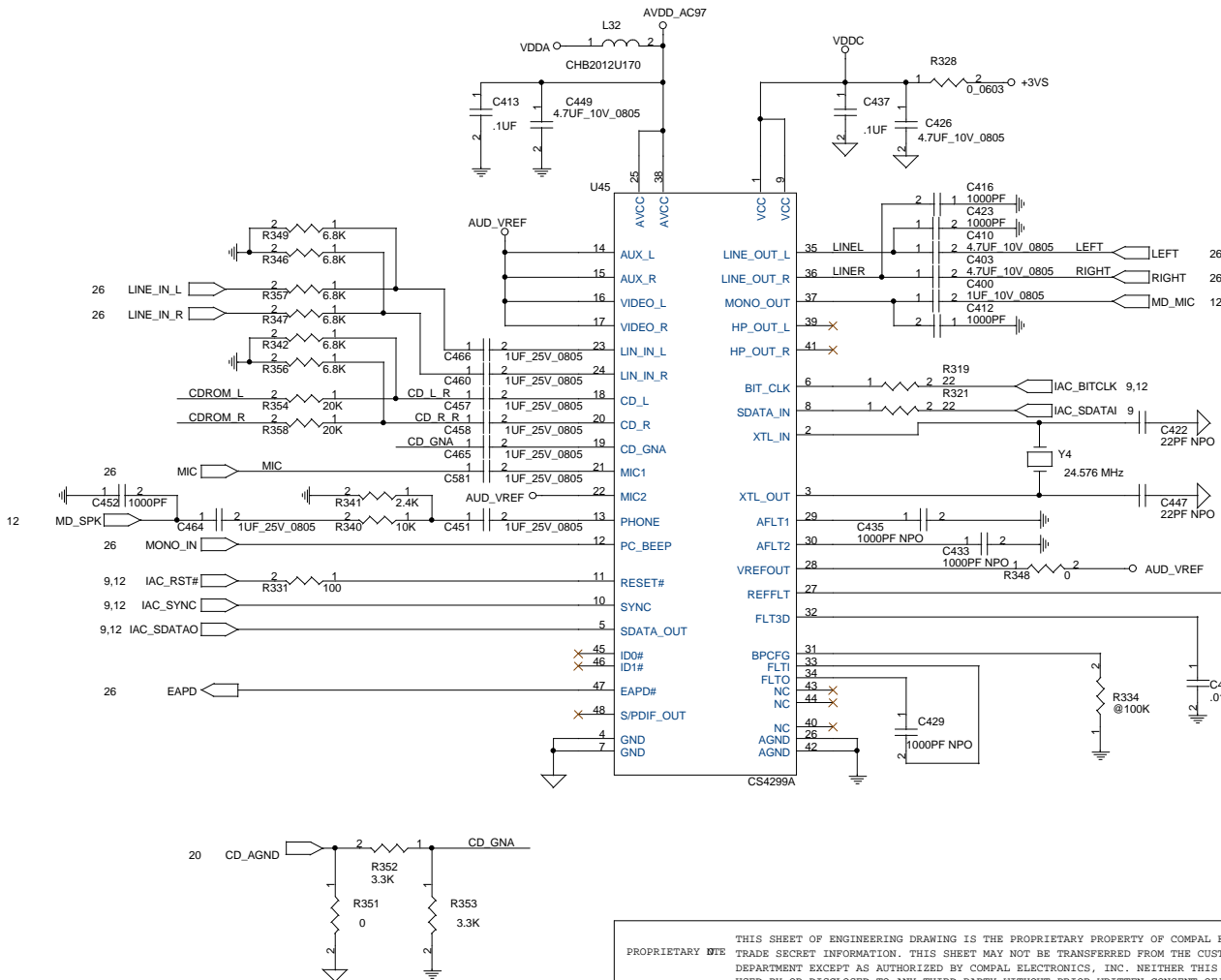
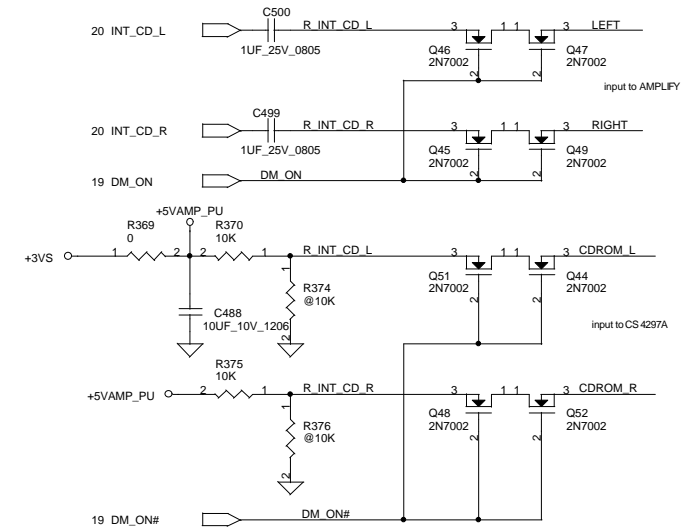
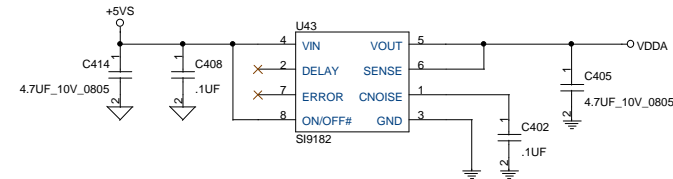
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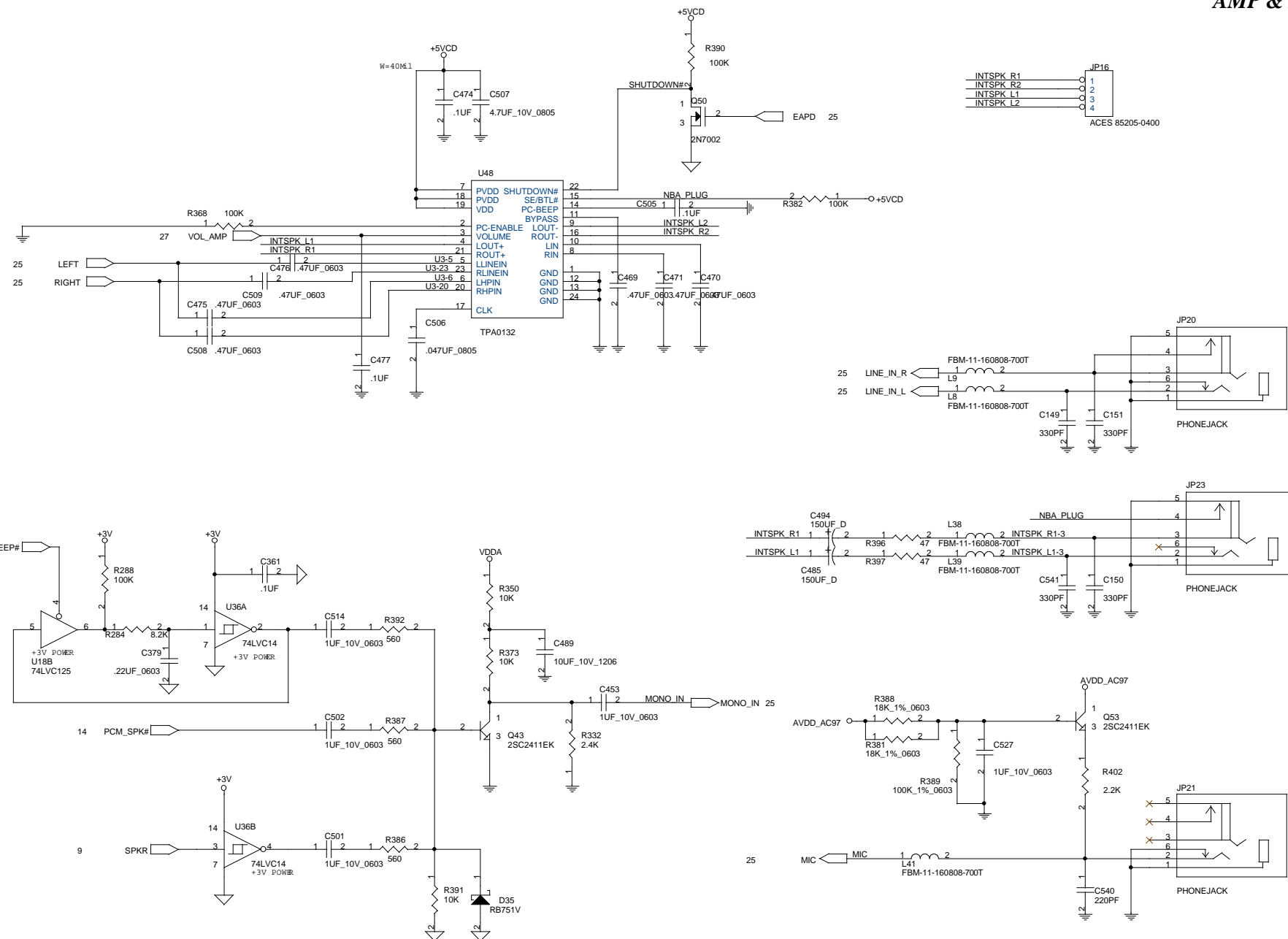
Date: Tuesday, April 24, 2001

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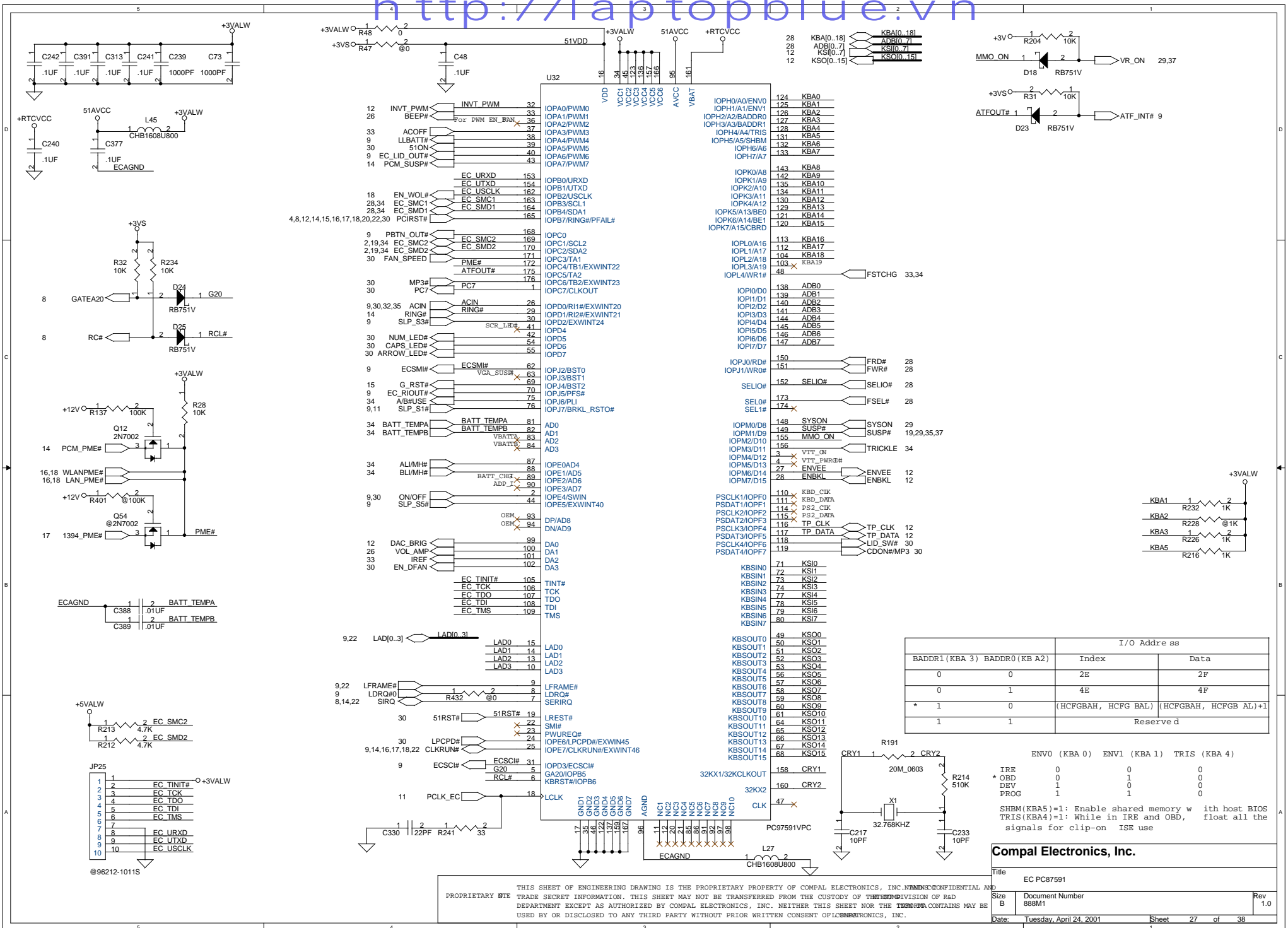
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Size B	Document Number	Rev	
	888M1	1.0	
Date:	Tuesday, April 24, 2001	Sheet	25 of 38

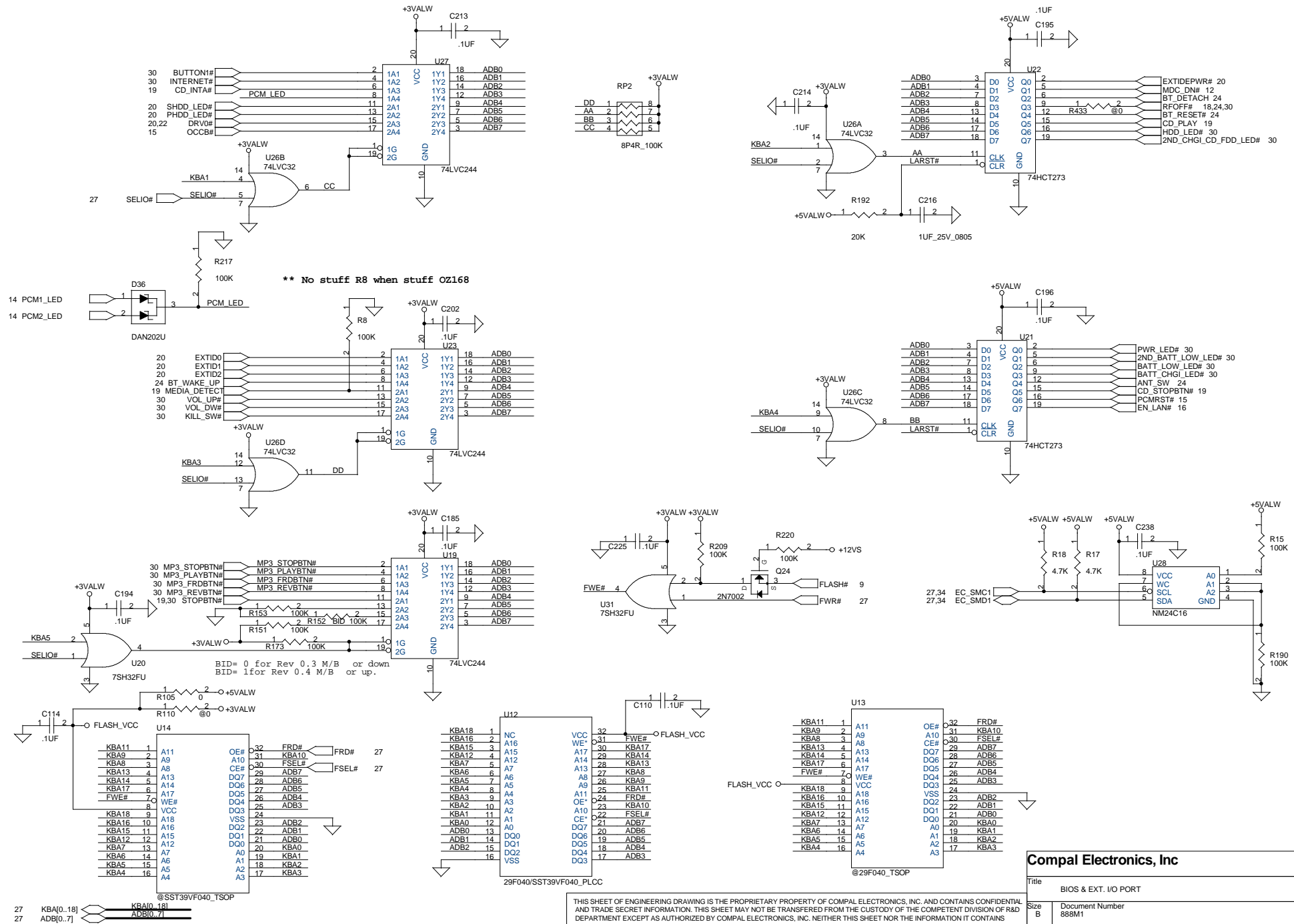
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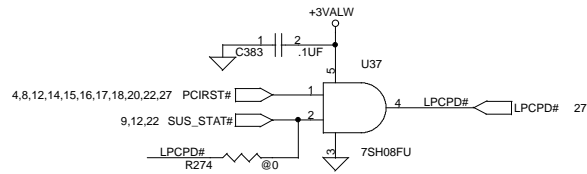
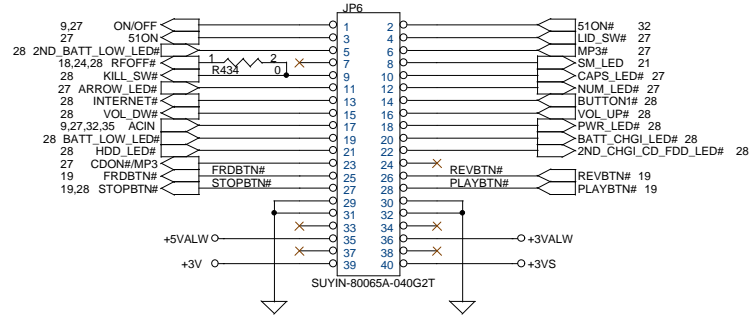


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Title			
AMP & Audio Jack			
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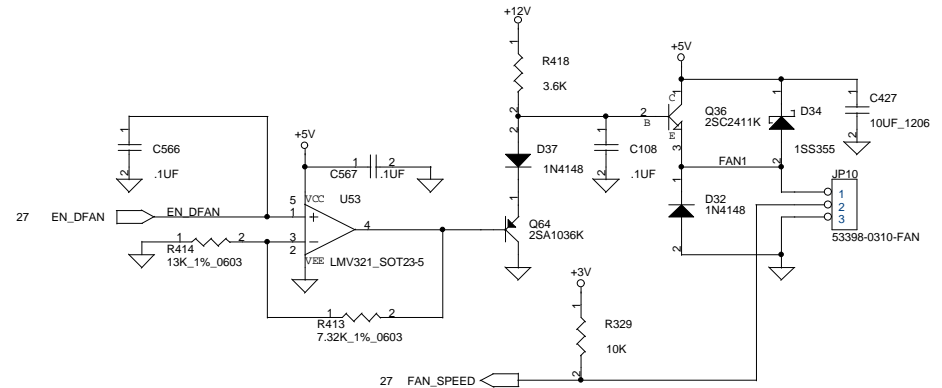
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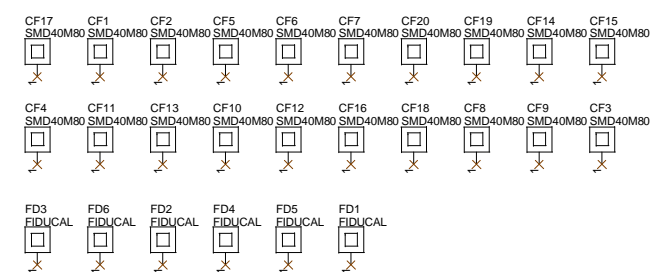
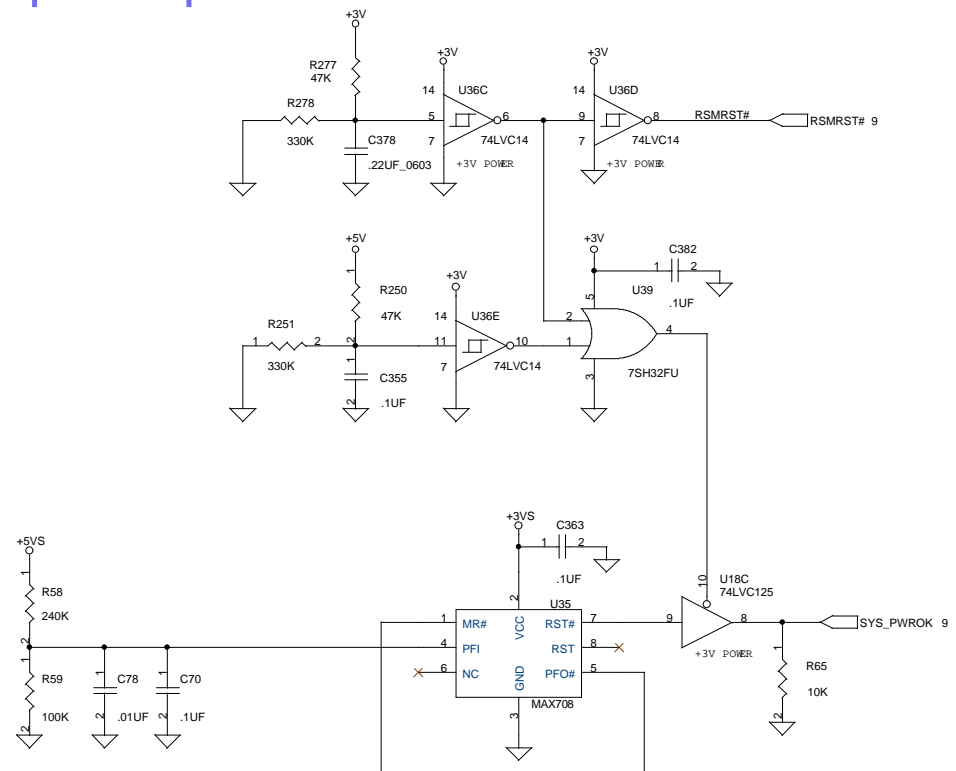
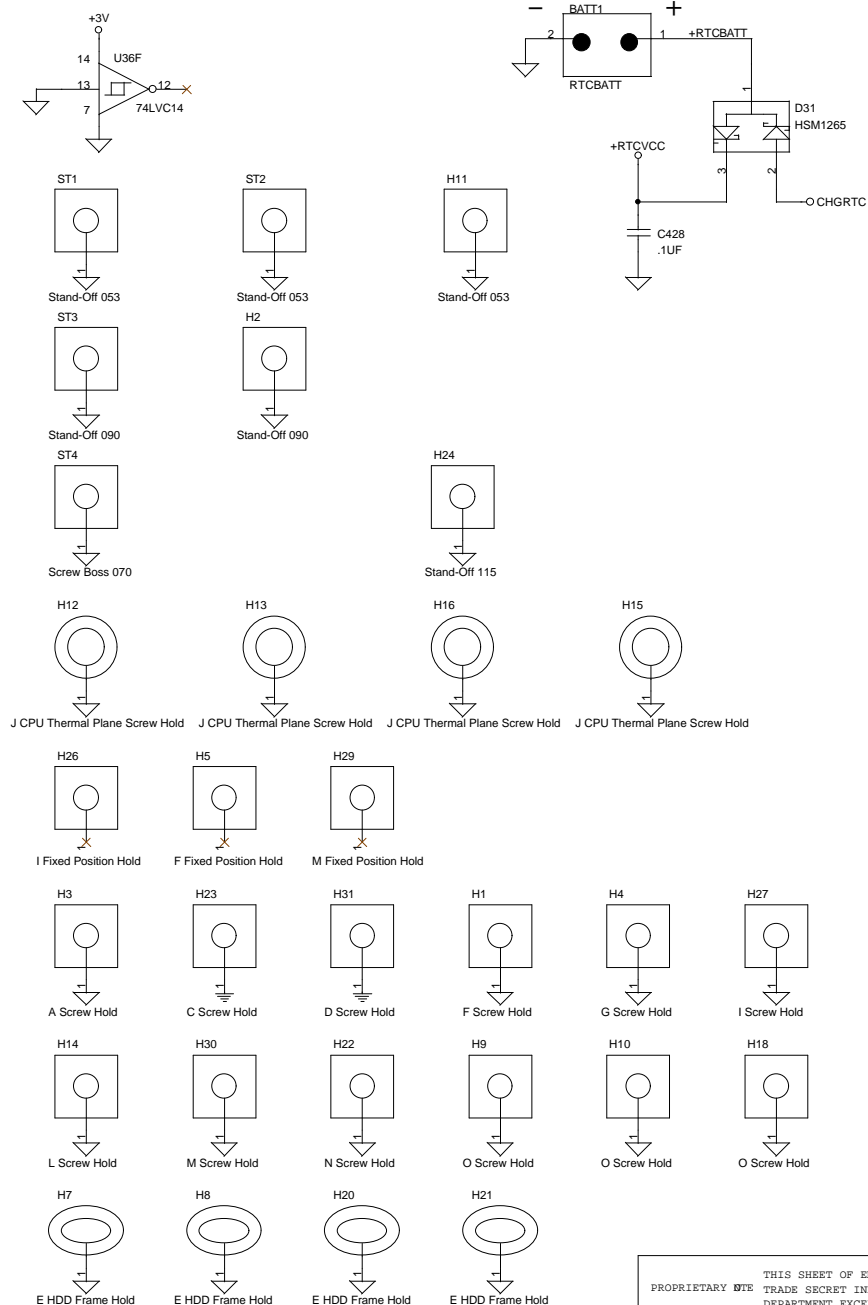
FAN CONN.



Title			
Switches & Connectors			
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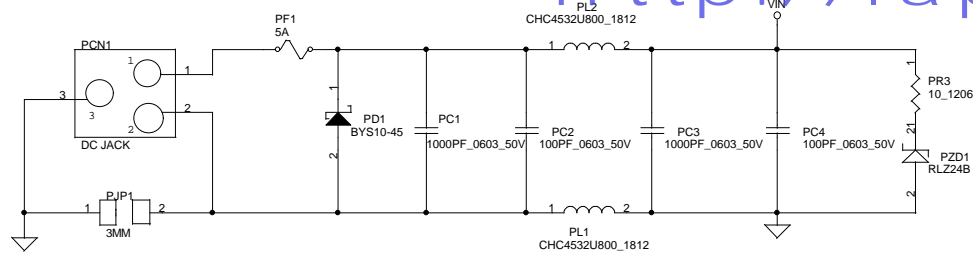
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RTC BATT

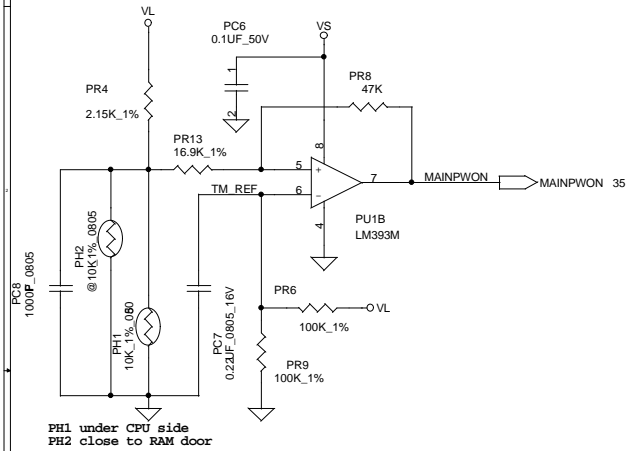


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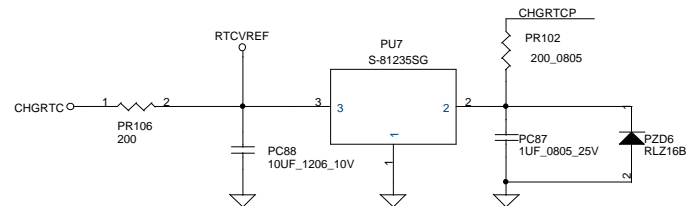
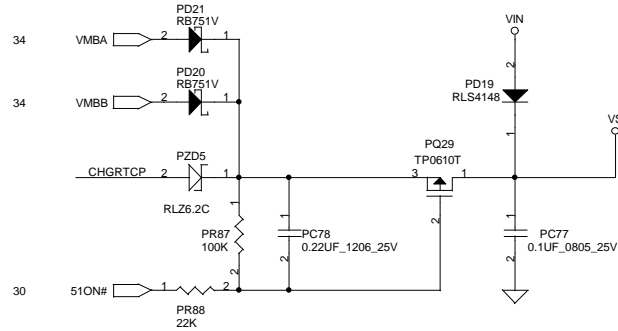
Compal Electronics, Inc.			
Title: RESET			
Size: B	Document Number: 888M1	Rev: 1.0	
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CPU thermal protection at 99 degree C
Recovery at 51 degree C

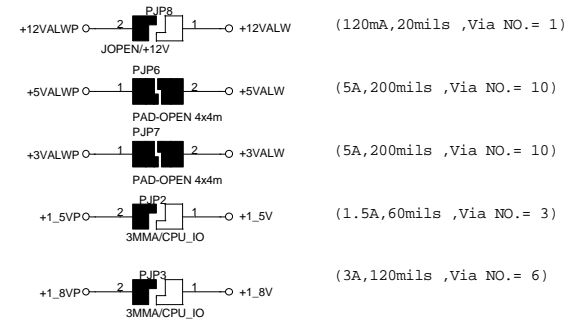
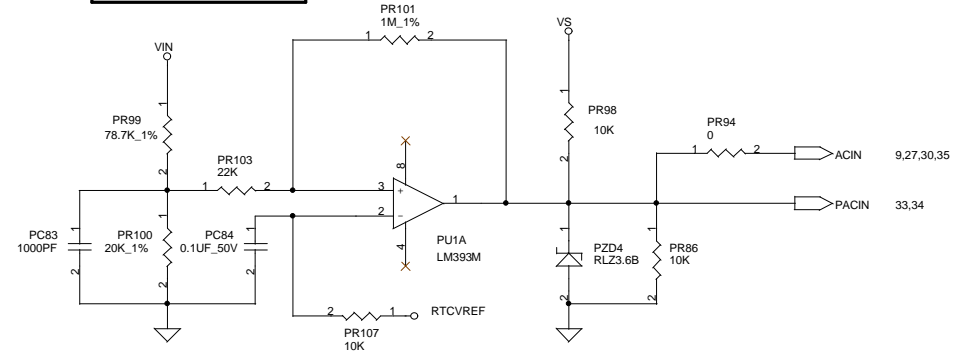


PH1 under CPU side
PH2 close to RAM door



Vin Detector

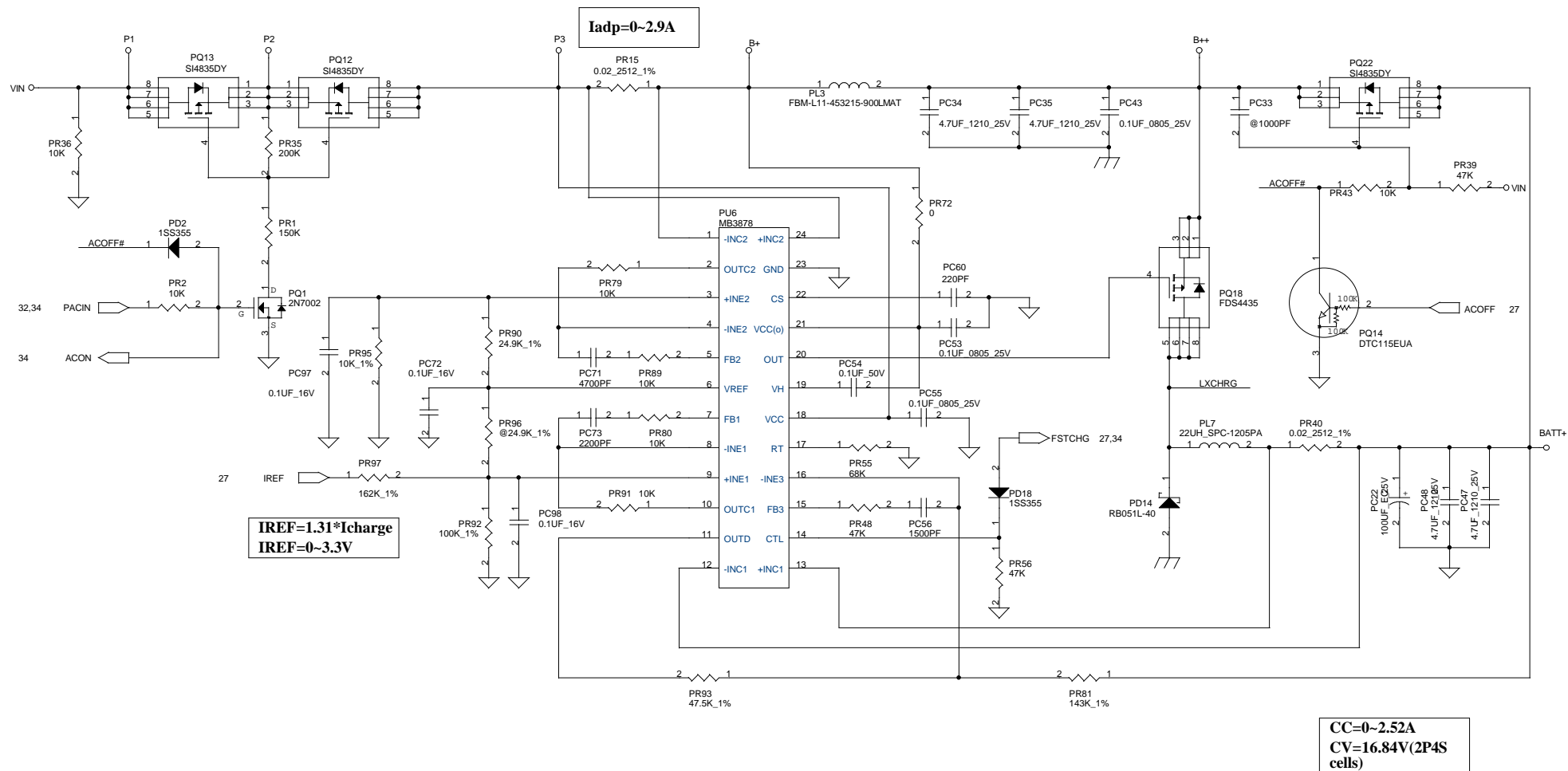
High 18.7 17.9 17.1
Low 18.0 17.3 16.5



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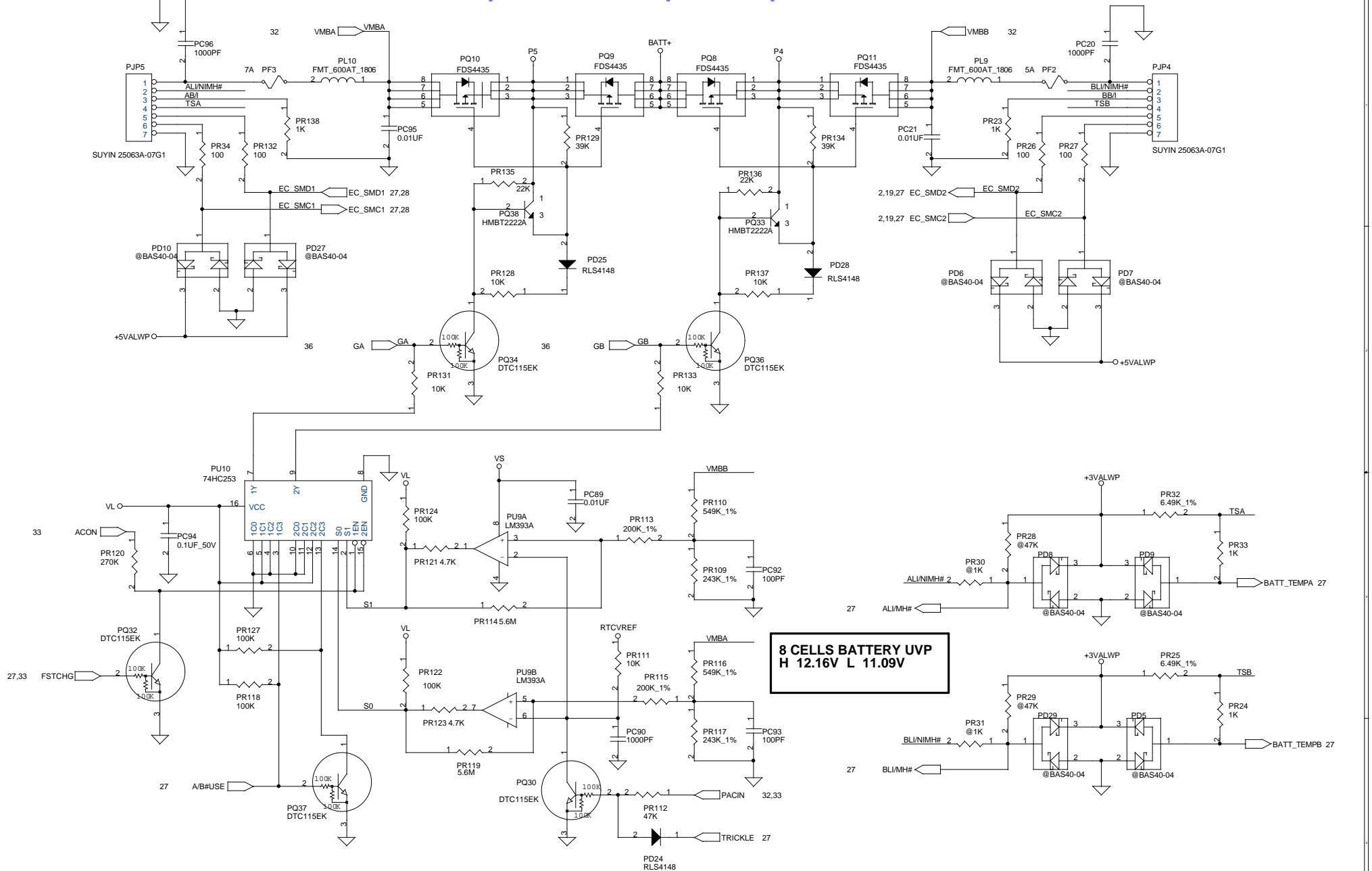
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Connector / DC-DC Interface		
Size	Document Number	Rev
B	888M1	1.0
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COMPAL ELECTRONICS, INC

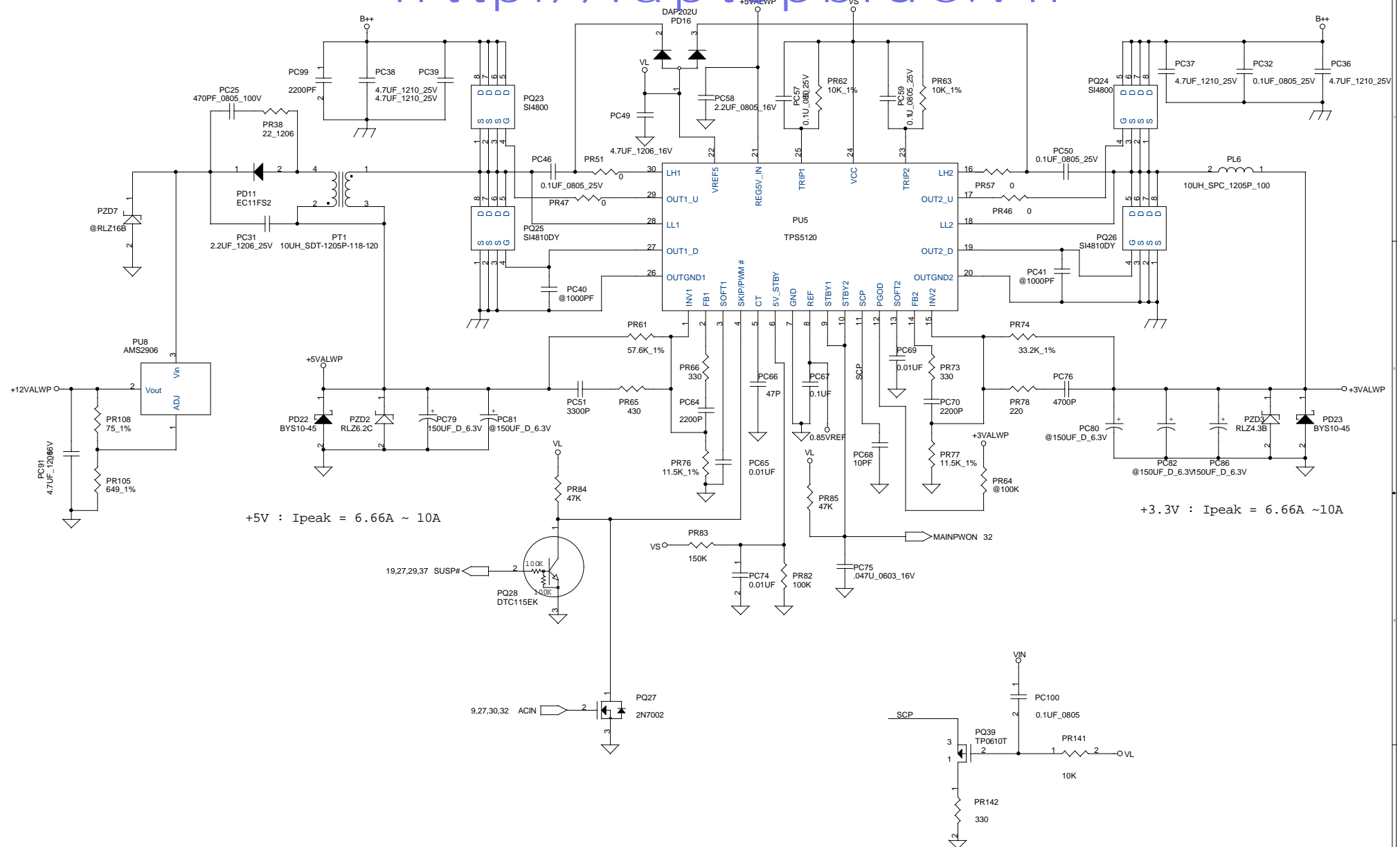
Title			
CHARGER			
Size	Document Number	Rev	
B	888M1	1.0	
Date:	Tuesday, April 24, 2001	Sheet	33 of 38



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COMPAL ELECTRONICS, INC

Title		Charger Slecter	
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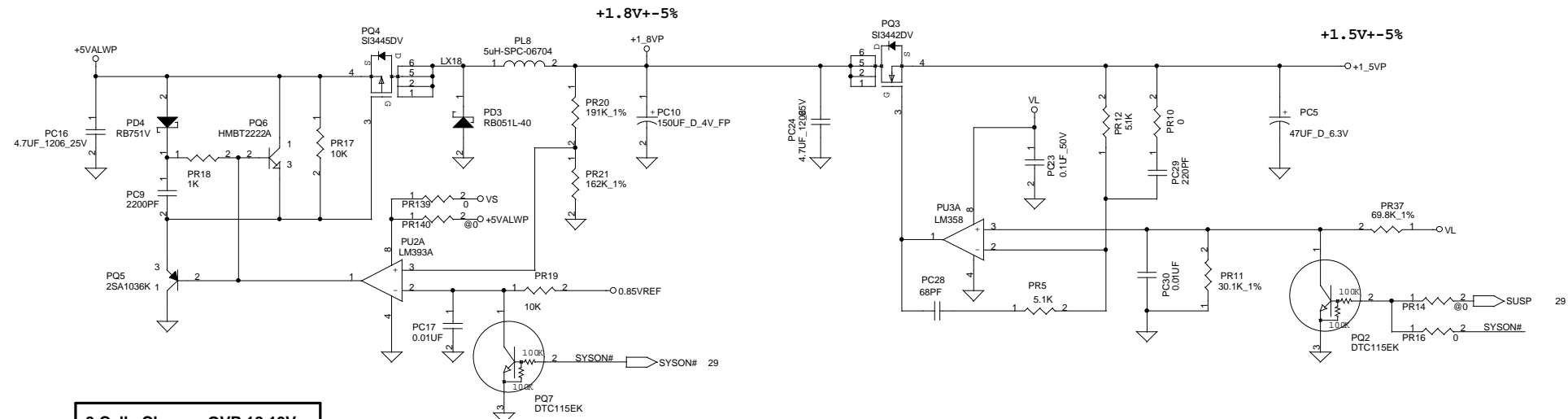
COMPAL ELECTRONICS, INC

Title	5V/3.3V/12V
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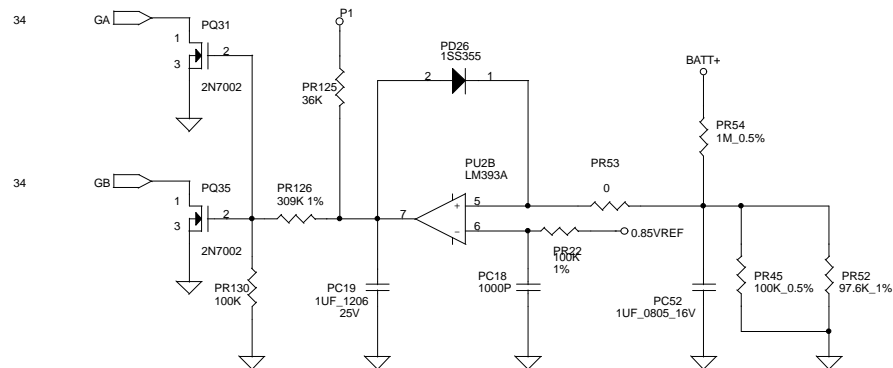
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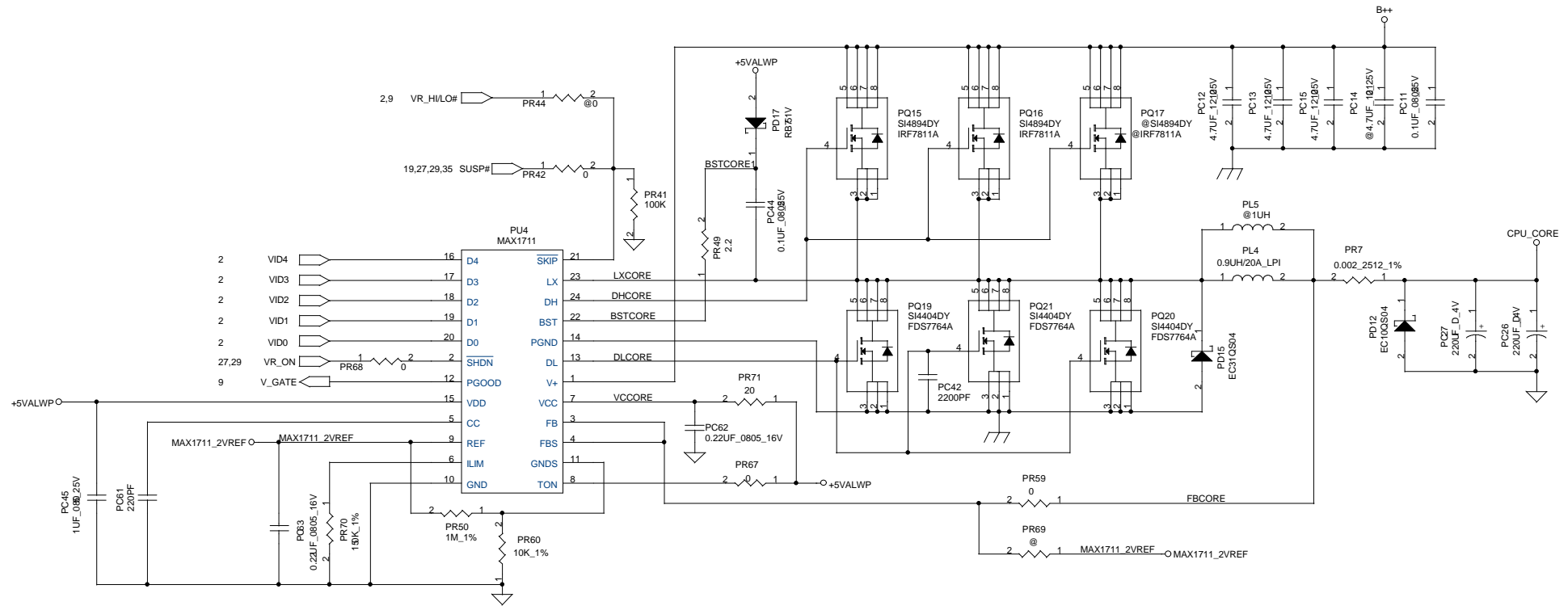
8 Cells Charger OVP 18.13V



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COMPAL ELECTRONICS, INC

Title			
1.8V/ CPU_IOP			
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COMPAL ELECTRONICS, INC

Title		CPU_COREP	
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888M1 PIR LIST

02/22/01 Written byGerry

P04: Change VCC of Pull High to +3V at R186, R181&R4 and R185
P05: Remove @ atR266
P06: Change value of C256 to 100K
Change VCC of Pull High to +3V at R203
P07: Change VCC of U10 and C90 to +3V
P09: Remove @ atR45
Add @0 Ohm R435 and R436 between USB3_D+/- andUSB2_D+/-
P10: Change VCC of R63 to 1.8V
Change VCC of R271 to +3V
P12: Change net to CBRST# at pin26 JP8
P13: Delete net CRISIS# at pin26 JP2
Delete Q18, Q17, R150, R159, R14and R147
Change value of R160 to 10K
Change value of R144 to 100K
Change value of R149, R165 to 2.2K
Change VCC of Pull High to +5V at R160, R1and R149
Change VCC of Pull High to +12V at R144
P14: Change net CBRST# at pin26 U16
P15: Change net to CBRST# at pin26 U15
Add 0 Ohm R429 between Pin3 of U15 andCBRST#
Add @0 Ohm R430 between G_RST# andCBRST#
Change net PCIRST# at pin26 U18
Change net PCWRST# at pin26 U18
P16: Add Q69, R431, R437 and Q70 to enable LAN
Change VCC of Pull High to +3V at R181
Delete C64
Short pin2 of R154 and R155 to pin1 of R1and R157
P17: Change net CBRST# to Pin26 U49
Delete net between Pin 96 of U49 and Pin26 RP38
P18: Add net RPOFF# at pin26 JP18
Change net CBRST# at pin26 R114
P19: Add @ at R22
Remove @ atD15
P20: Delete net SPDIAG# at pin26 JP17
Delete net SIDE_PRES# at pin26 JP17
Delete R289, R318, Q28, and Q33
Add U54 and C572 for SDRAM
P21: Change circuit of SmartMedia to 1T2163
P22: Delete C165, R143 and U17
P24: Change net RPOFF# at pin26 Q9
Change net USBT_D+/- at Pin26 and Pin26 JP15
P25: Change value of R328 to 100K
P26: Change value of C494 and C485 to 150UF
Delete JP22 and change type of JP16 to 4 pin connector
Delete C385 and U40 and replace U188
P27: Add @0 Ohm R432 between LDRQ0 and pin26 of U32
Add @ at R28
P28: Change net KILL_SW# at Pin26 U23
Add @0 Ohm R433 between pin9 of U23 andRPOFF#
Delete net BT_LED# at pin26 U21
Add net PCWRST# at pin26 U21
Add net EN_LAN# at pin26 U21
P30: Delete C392, C384, U41 and U38
Change type of JP6 to B to B connector
Add 0 Ohm R434 between Pin 9 of JP6 andRPOFF#
Change net KILL_SW# at Pin26 U16
Change net LPCPD# at Pin26 J7
P31: Delete U33 and C351
Delete Q26 and Replace L8C
Change value of C378 to 0.001 0603
Change type of H11 to SMD-06F
Pin5 tied to Pin1 of J35
P32: Change PCN1 DC JACK foot print to 5 pin for DFX.
P33: Change PQ14 footprint to 0603-Q.
P34: Battery A/B SMDbus ESD diode pull high from +5V to +3V.
P34: PF3 fuse change from 5A slow to 7A fast 1206 for ME.
P35: PC57/PC59/PR62/PR63 connect from B to C.
P36: Change PC5 from 68UF_EC_25V to Panasonic 47UF_25V for ME.
Add 0 Ohm PR139 between VS and pin26 of PU2
Add @0 Ohm PR140 between +5VALW and pin26 of PU2

02/26/01 Written byGerry

P12: Change VCC to +12V at pin26 JP11
P21: Add C578, R446, and C579
Add @2SC2411K at Q71

02/27/01 Written byGerry

P32: Add R2

03/02/01 Written byGerry

P04: Add buffer between PCIRST# andCH2-M
P12: Add R447 and C508 at CLK
P16: Add R448, R449, R450, D38, D3and D40
P35: Add PR141100K

03/05/01 Written byGerry

P25: Add C581 for MIC circuit

03/06/01 Written byGerry

P21: Change net SM_FRE# to Pin26 J7
P31: Change H29, H5 footprint
Delete H32 and H6

***** Rev0.3 PIR List *****

03/19/01 Written byGerry

P32: Change value of PC8 to 100K_0805
Add @ on R2

P33: Add PC97 in pin26 PU6
Add PC98 in pin9 of PU6
P34: Change value of PR110 and PR 116 549K_1K
Change value of PR109 and PR 117 243K_1K
Change VCC of ESD Diode to +5VALW in PD10, PD276, and PD7
P35: Add PC?? inR++
Add @ in PD7
Change net VS to B+ in Pin26 PU5
Change value of PR108 to 5K_1K
Change value of PR105 to 649_1K
Change value of PR61 to 50K_1K
Change value of PR76 and PR77 to 5K_1K
Change value of PR74 to 32K_1K
Change value of PR83 to 50K
Add @ in PR41
Delete PR104, PC85, PR58, and PR75
Change value of PU8 to 100K_2506
Change pull high VCC to +3VALW in PR64

03/21/01 Written byGerry

P09: Remove @ inD20
P12: Connection R447 to C580
P16: Delete R448, R449, R450, D38, D3and D40
Change type of RJ45 to with LED in JP5
Add R452, R453, , Q72, and Q73
P17: Add @ in C524 and C467
Connection Pin87 of U49 and Pin26 RP38
P19: Remove @ in R182 and Add in D15
P21: Add Q74, Q75, Q76, R454, and C582
Change value of Q71 to 250K
Add @ in R46
Add U55, R455, R456, and C583
Change value of R443 to 100K
Add net SM_5VON, SM_3VON, SM_LED, and SM_LVD
Change value of C575 to 100K_0603
P24: Add @ in R123, Q9, C131, Q11, C132, C121, R12136 and JP15
P28: Add @ inR8
P30: Add net SM_LED in pin26 JP6
P31: Update StandOff

03/23/01 Written byGerry

P20: Change VCC of Q10 to 5VCD
Change type of JP7 to SUVIN 2020 5405-A
P32: Change PR94 10K to 0 Ohm
P34: Change PR110, PR116 to 549K and PR109, PR117 to 243K. (UTP, ME L-11.09V)
P35: Add PC100, PR141 , PR142, PQ39

03/26/01 Written byGerry

P13: Change value of L19 to 0_0805
P21: Add F5 for SMVCC

03/28/01 Written byGerry

P13: Change FootPrint to JP2
P19: Change VCC of R339 to 5VMOD
P31: Modify Hold side in H and H29

***** Rev1.0 PIR List *****

04/13/01 Written byGerry

P02: Add D38 and Q77 for 1.6V/3V delete
P16: Change value of R452 and R453 800_0603
Update LED circuit
P18: Add D39 for wireless RPOFF#
P22: Add net 17V/16V# in pin5 of U24
P23: Change value of R1 to 1_1206
Add R457 4.7_206
P27: Change net BUTTON_LOCK# to MP3# in pin26 of U32
P28: Add net BID in pin26 U19
R151 pin 1 tied to 3VALW
P30: Delete net BUTTON_LOCK# in pin26 of JP6
Add net MP3# in pin6 of JP6
P31: Delete Screw Hole H17
P33: Change value of PR20 10K
Delete PU3
P34: Change value PR120 to 270K
P35: Change net B++ to VS in pin26 PU5

04/16/01 Written byGerry

P16: Add R458, R459 for LAN reset
P28: Add net 2ND_BATT_LOW_LED# in pin26 of U21
Change net name from CD_FDD_LED# to 2ND_CHGT_FDD_LED#
P30: Add net 2ND_BATT_LOW_LED# in pin26 of JP6
Change net name from CD_FDD_LED# to 2ND_CHGT_FDD_LED#

04/18/01 Written byGerry

P21: Delete RP39, RP40, and R442
Add D40, R460, C585, C584, U56 and U57
Change R444 pull high VCC to +5V

04/19/01 Written byGerry

P13: Update JP3 footprint
P16: Add D41
P19: Change value of D33 to RB751
P21: Move net SM_FRE# to pin26 of U47
Move net SM_5VON# to pin26 of U47
Remove @ in R455, R456, C583 and U55
P23: Update JP4 footprint
P23: Update ST1, ST2, ST3, ST4, H11, H2, H24, H12, H13, H16, H45 footprint

04/20/01 Written byGerry

P35: Change value of PT1 to 10UH-SDT-506118-120

04/24/01 Written byGerry

P09: Change value of CP6 and CP5 to 22PF
P16: Swap signals on pin10 and pin26 of JP5
P21: Change footprint to JP14

04/25/01 Written byGerry

P21: Add @ in R455, R456, C583 and U55
P28: Remove @ in R8

04/26/01 Written byGerry

P19: Change value of R30 to 240K
Change value of R313 to 10K

Compal Electronics, Inc.

Title		888M1 PIR LIST	
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