Compal Confidential

HTW00 LA-2871 Schematics Document

Intel Dothan with 915PM(GM)/910GML + DDRII + ICH6M

2005-08-22

REV: 1.0

Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

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Title: Cover Sheet

Size | Document Number: HTW00 M/B LA-2871 | Rev: 1.0

Date: Saturday, August 20, 2005 | Sheet 1 of 41

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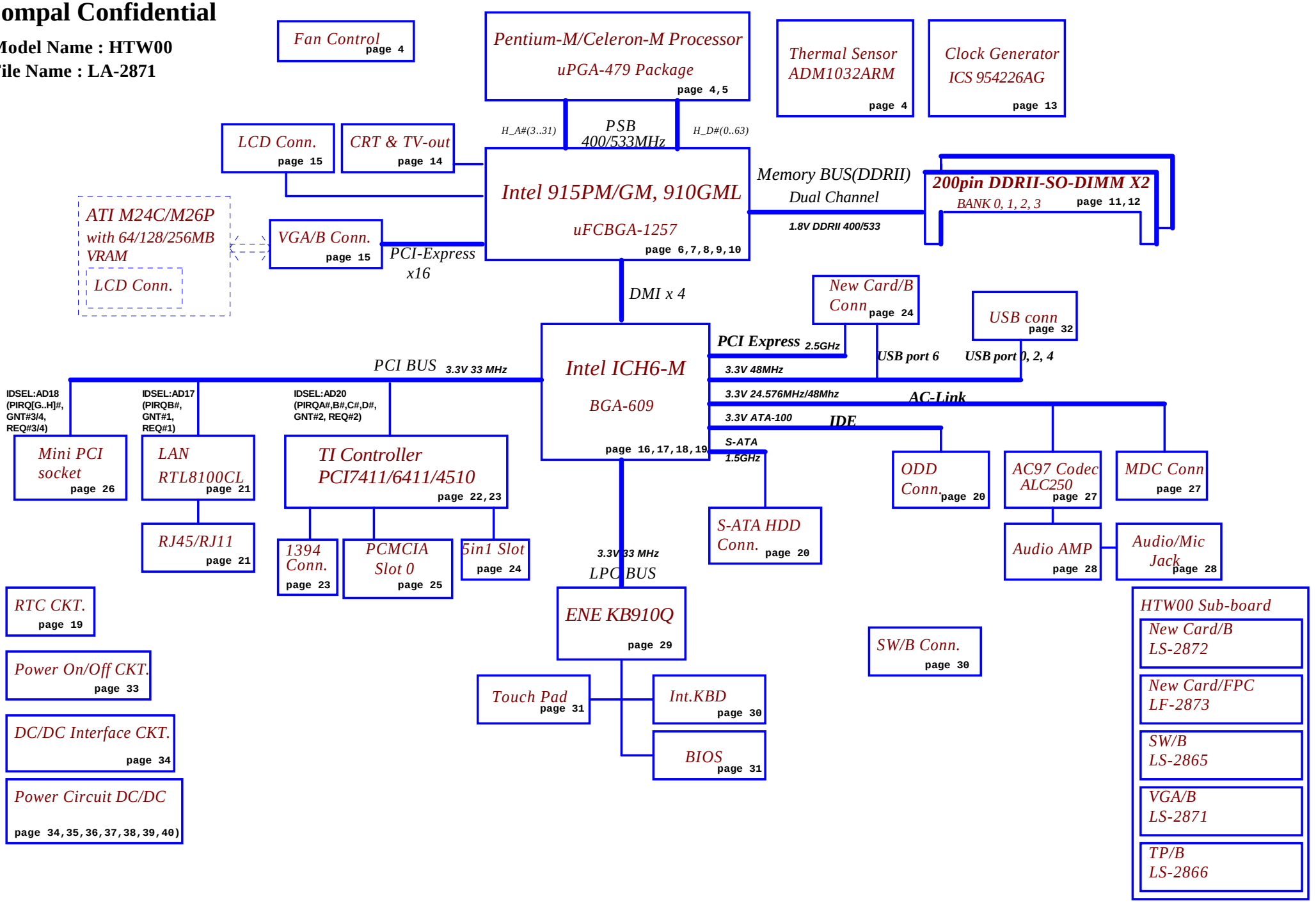
Model Name : HTW00
File Name : LA-2871



Security Classification	Compal Secret Data		
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Title: Block Diagram

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Monday, August 22, 2005 Sheet 2 of 41

Voltage Rails

Power Plane	Description	S1	S3	S5
VIN	Adapter power supply (19V)	N/A	N/A	N/A
B+	AC or battery power rail for power circuit.	N/A	N/A	N/A
+CPU_CORE	Core voltage for CPU	ON	OFF	OFF
+0.9VS	0.9V switched power rail for DDR terminator	ON	OFF	OFF
+1.05VS	1.05V switched power rail	ON	OFF	OFF
+1.5VALW	1.5V always on power rail	ON	ON	ON*
+1.5VS	1.5V switched power rail	ON	OFF	OFF
+1.8V	1.8V power rail for DDR	ON	ON	OFF
+1.8VS	1.8V switched power rail	ON	OFF	OFF
+2.5VS	2.5V switched power rail	ON	OFF	OFF
+3VALW	3.3V always on power rail	ON	ON	ON*
+3V	3.3V power rail	ON	ON	OFF
+3VS	3.3V switched power rail	ON	OFF	OFF
+5VALW	5V always on power rail	ON	ON	ON*
+5VS	5V switched power rail	ON	OFF	OFF
+12VALW	12V always on power rail	ON	ON	ON*
+RTCVCC	RTC power	ON	ON	ON

Note : ON* means that this power plane is ON only with AC power available, otherwise it is OFF.

External PCI Devices

DEVICE	PCI Device ID	IDSEL #	REQ/GNT #	PIRQ
1394	D0	AD20	2	A,B,C,D
LAN	D1	AD17	3	F
CARD BUS	D4	AD20	2	A,B,C,D
5IN1	D4	AD20	2	A,B,C,D
Mini-PCI	D2	AD18	1	G,H

KB910 I2C / SMBUS ADDRESSING

DEVICE	HEX	ADDRESS
SM1 24C16	A0H	1 0 1 0 0 0 0 X b
SM1 SMART BATTERY	16H	0 0 0 1 0 1 1 X b
SM2 ADM0132 CPU THERMAL MONITOR	98H	1 0 0 1 1 0 0 X b
SM2 GMT G781-1 VGA THERMAL MONITOR	9AH	1 0 0 1 1 0 1 X b

ICH6M SM Bus address

Device	Address
Clock Generator (ICS 954226)	1101 001Xb
DDRII DIMM0	1001 000Xb
DDRII DIMM2	1001 010Xb

STATE \ SIGNAL	SLP_S1#	SLP_S3#	SLP_S4#	SLP_S5#	+VALW	+V	+VS	Clock
Full ON	HIGH	HIGH	HIGH	HIGH	ON	ON	ON	ON
S1(Power On Suspend)	LOW	HIGH	HIGH	HIGH	ON	ON	ON	LOW
S3 (Suspend to RAM)	LOW	LOW	HIGH	HIGH	ON	ON	OFF	OFF
S4 (Suspend to Disk)	LOW	LOW	LOW	HIGH	ON	OFF	OFF	OFF
S5 (Soft OFF)	LOW	LOW	LOW	LOW	ON	OFF	OFF	OFF

Board ID / SKU ID Table for AD channel

Vcc	3.3V +/- 5%
Ra/Rc/Re	100K +/- 5%

Board ID	Rb / Rd / Rf	V_{AD_BID} min	V_{AD_BID} typ	V_{AD_BID} max
0	0	0 V	0 V	0 V
1	8.2K +/- 5%	0.216 V	0.250 V	0.289 V
2	18K +/- 5%	0.436 V	0.503 V	0.538 V
3	33K +/- 5%	0.712 V	0.819 V	0.875 V
4	56K +/- 5%	1.036 V	1.185 V	1.264 V
5	100K +/- 5%	1.453 V	1.650 V	1.759 V
6	200K +/- 5%	1.935 V	2.200 V	2.341 V
7	NC	2.500 V	3.300 V	3.300 V

BOARD ID Table

Board ID	PCB Revision
0	0.1
1	
2	
3	
4	
5	
6	
7	

SKU ID Table

SKU ID	SKU
0	
1	
2	
3	
4	
5	
6	
7	

BTO Option Table

BTO Item	BOM Structure
VGA	GM@ PM@
Card Reader	5IN1@
Giga LAN	8100C@ 8110S@
New Card	NEWCARD@
IEEE1394	1394@
TV Tuner	TUNER@
INT MIC.	MIC@
KILL SW	WLAN@
CIR	CIR@
HW EQ	EQ@ NOEQ@

(TBD)

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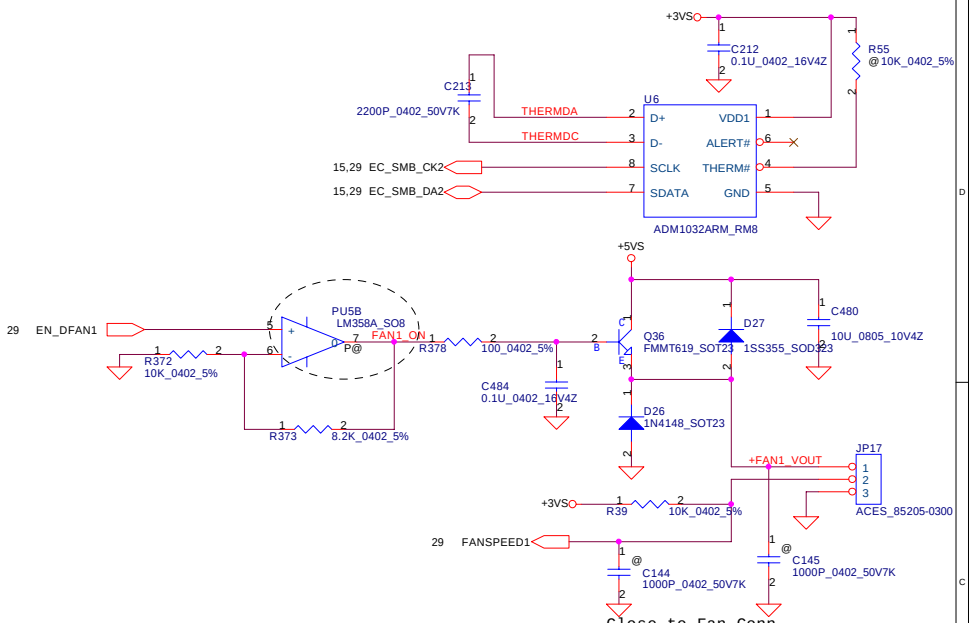
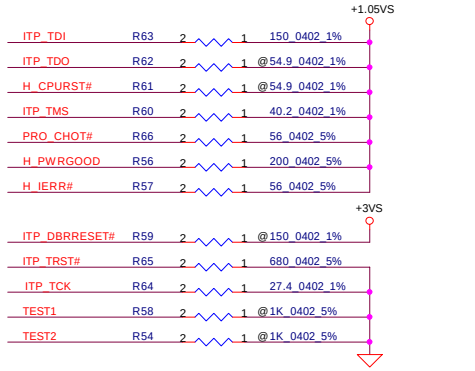
Title: Notes

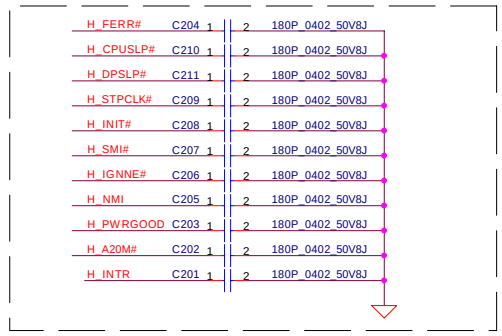
Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 3 of 41





Reserve For Testability



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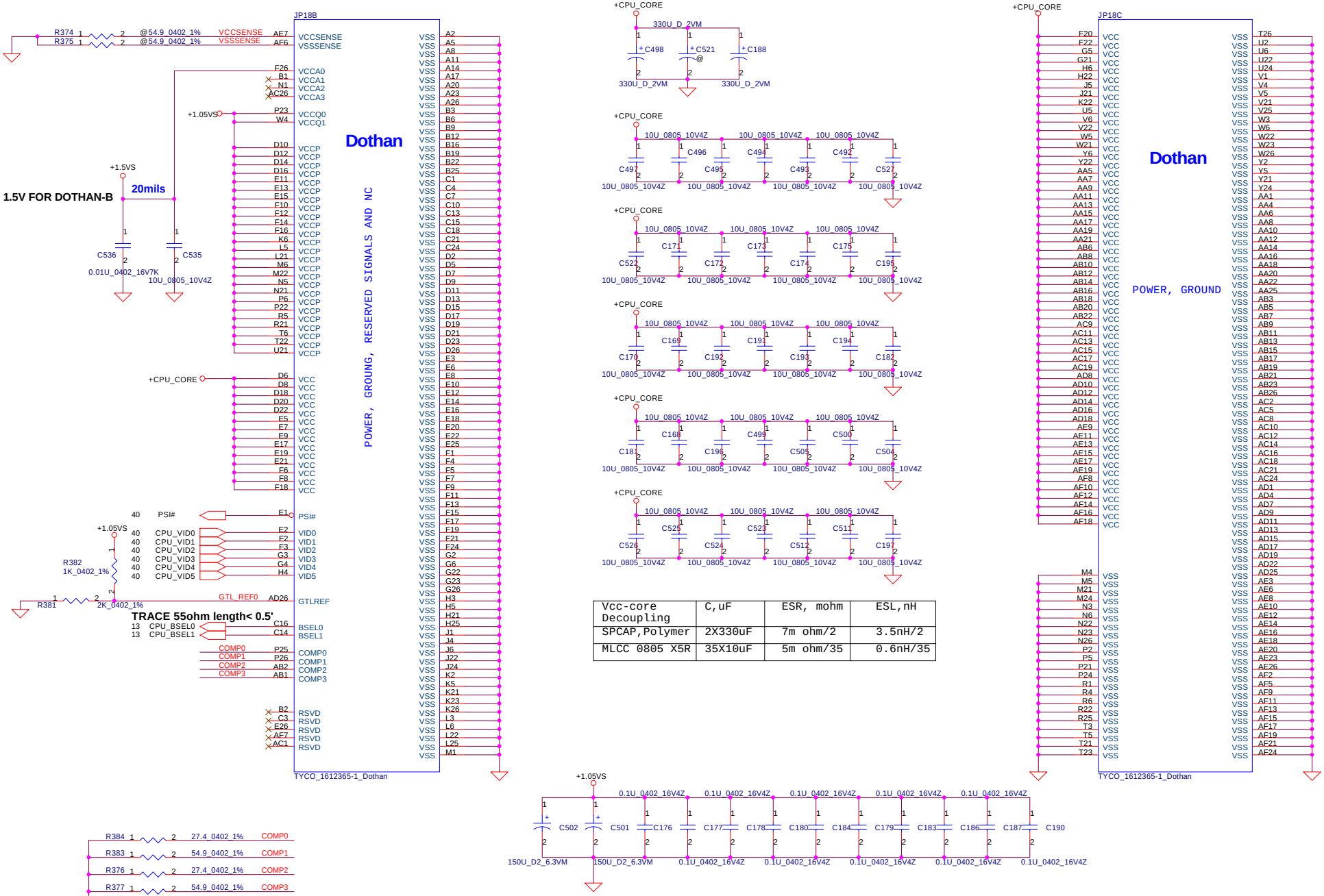
Title: Dothan(1/2)

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 Sheet 4 of 41



Vcc-core Decoupling	C,uF	ESR, mohm	ESL,nH
SPCAP,Polymer	2X330uF	7m ohm/2	3.5nH/2
MLCC 0805 X5R	35X10uF	5m ohm/35	0.6nH/35

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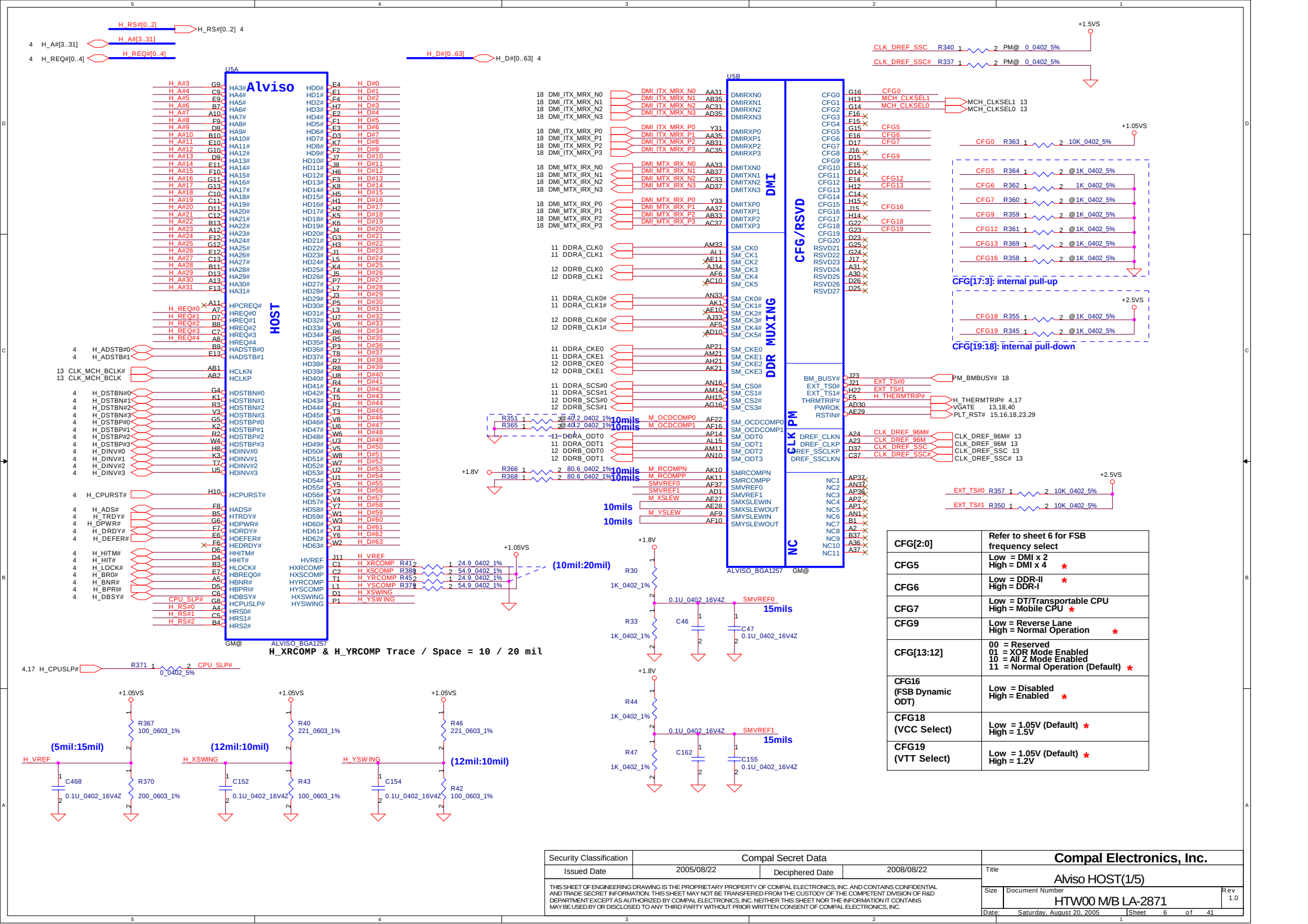
Title: Dothan(2/2)

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 5 of 41



CFG[2:0]	Refer to sheet 6 for FSB frequency select
CFG5	Low = DMI x 2 High = DMI x 4 *
CFG6	Low = DDR-II * High = DDR-I
CFG7	Low = DT/Transportable CPU High = Mobile CPU *
CFG9	Low = Reverse Lane High = Normal Operation *
CFG[13:12]	00 = Reserved 01 = XOR Mode Enabled 10 = All Z Mode Enabled 11 = Normal Operation (Default) *
CFG16 (FSB Dynamic ODT)	Low = Disabled High = Enabled *
CFG18 (VCC Select)	Low = 1.05V (Default) * High = 1.5V
CFG19 (VTT Select)	Low = 1.05V (Default) * High = 1.2V

Security Classification	Compal Secret Data		
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Title: Alviso HOST(1/5)

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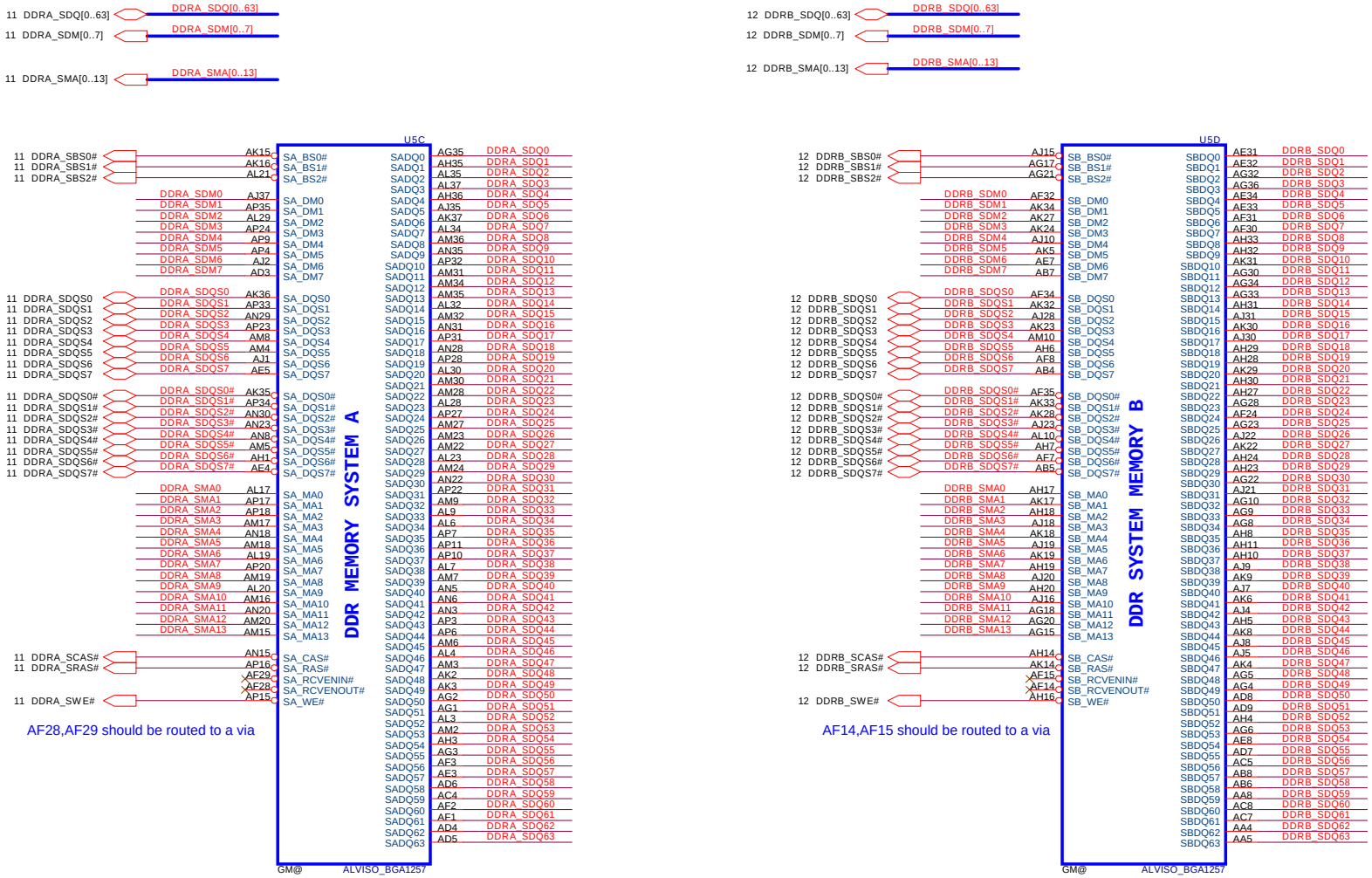
Date: Saturday, August 20, 2005 Sheet 6 of 41



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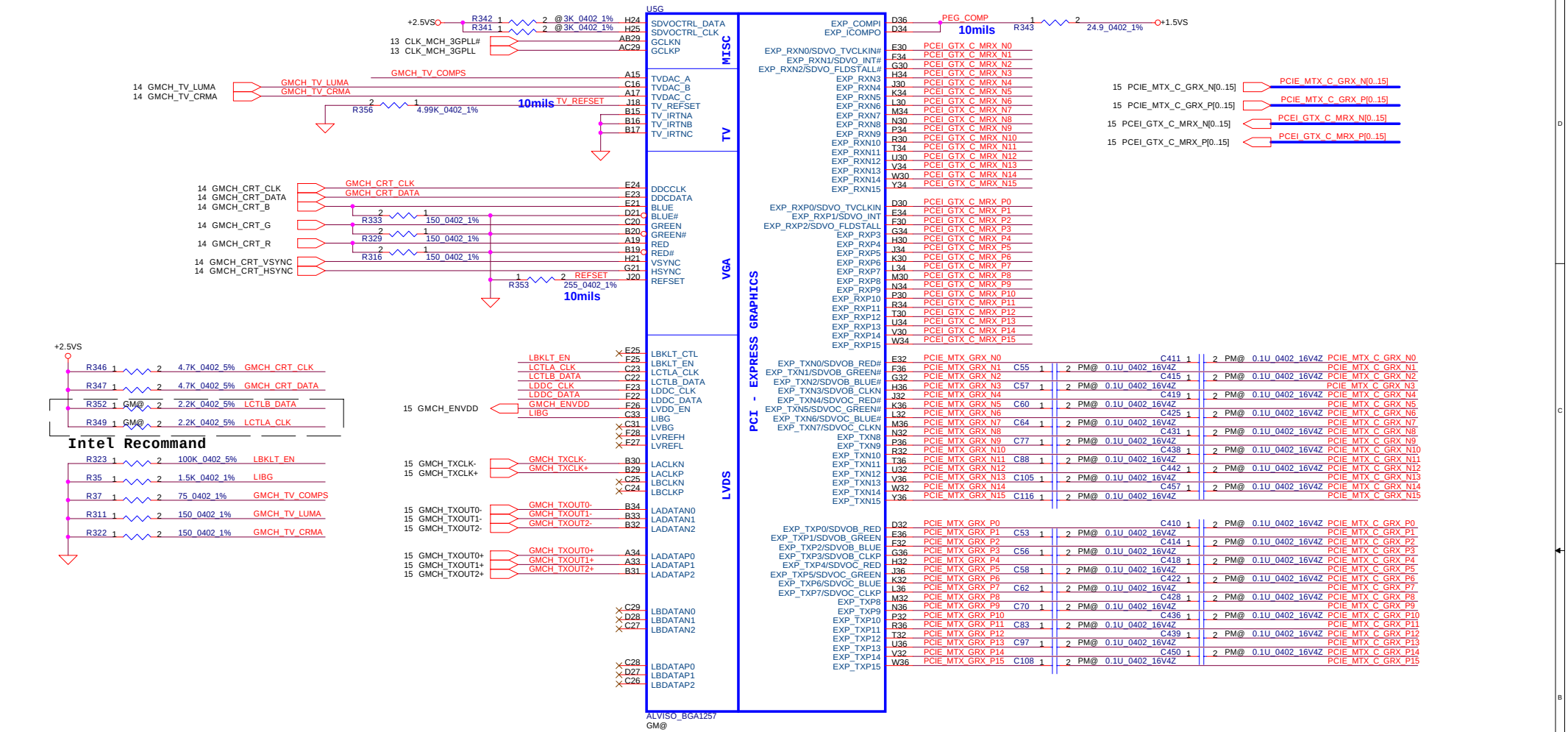
Compal Electronics, Inc.

Title: Alviso DDR(2/5)

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 7 of 41



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Compal Electronics, Inc.

Title: Alviso PCI-E(3/5)

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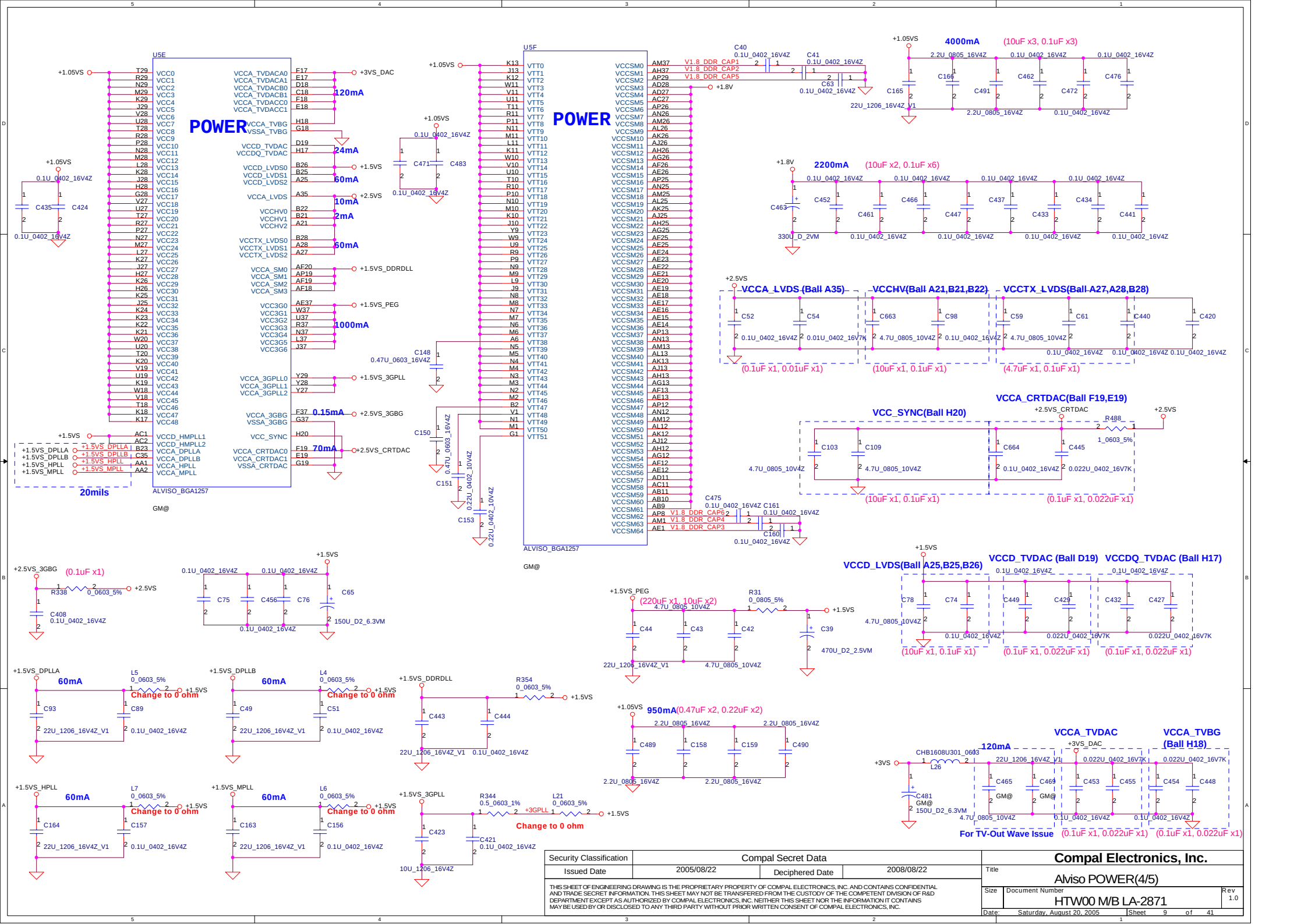
Date: Saturday, August 20, 2005 Sheet 8 of 41



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Title: Alviso POWER(4/5)

Size	Document Number	Rev
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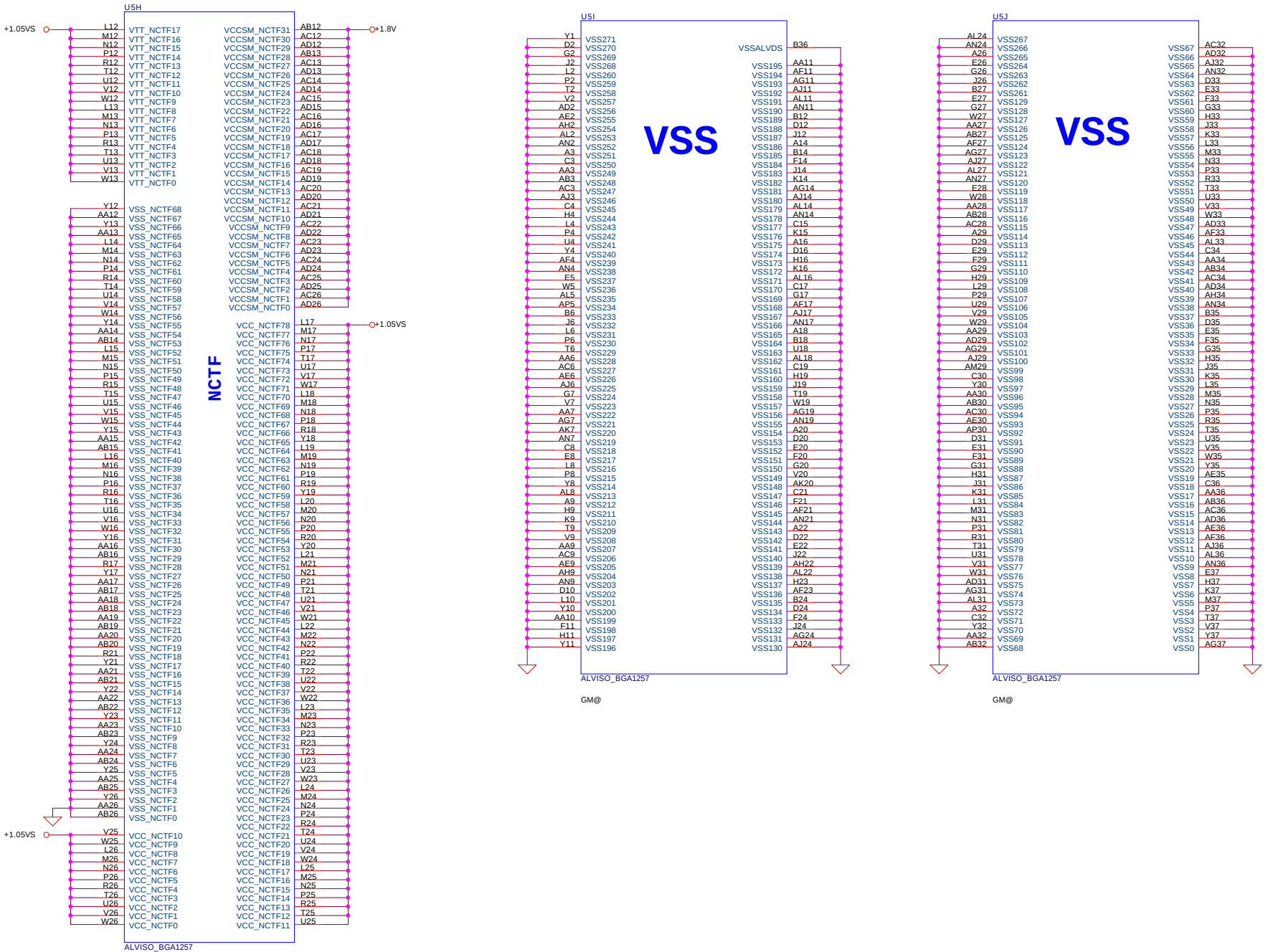
Date: Saturday, August 20, 2005 | Sheet 9 of 41



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Compal Electronics, Inc.

Title: Alviso POWER(5/5)

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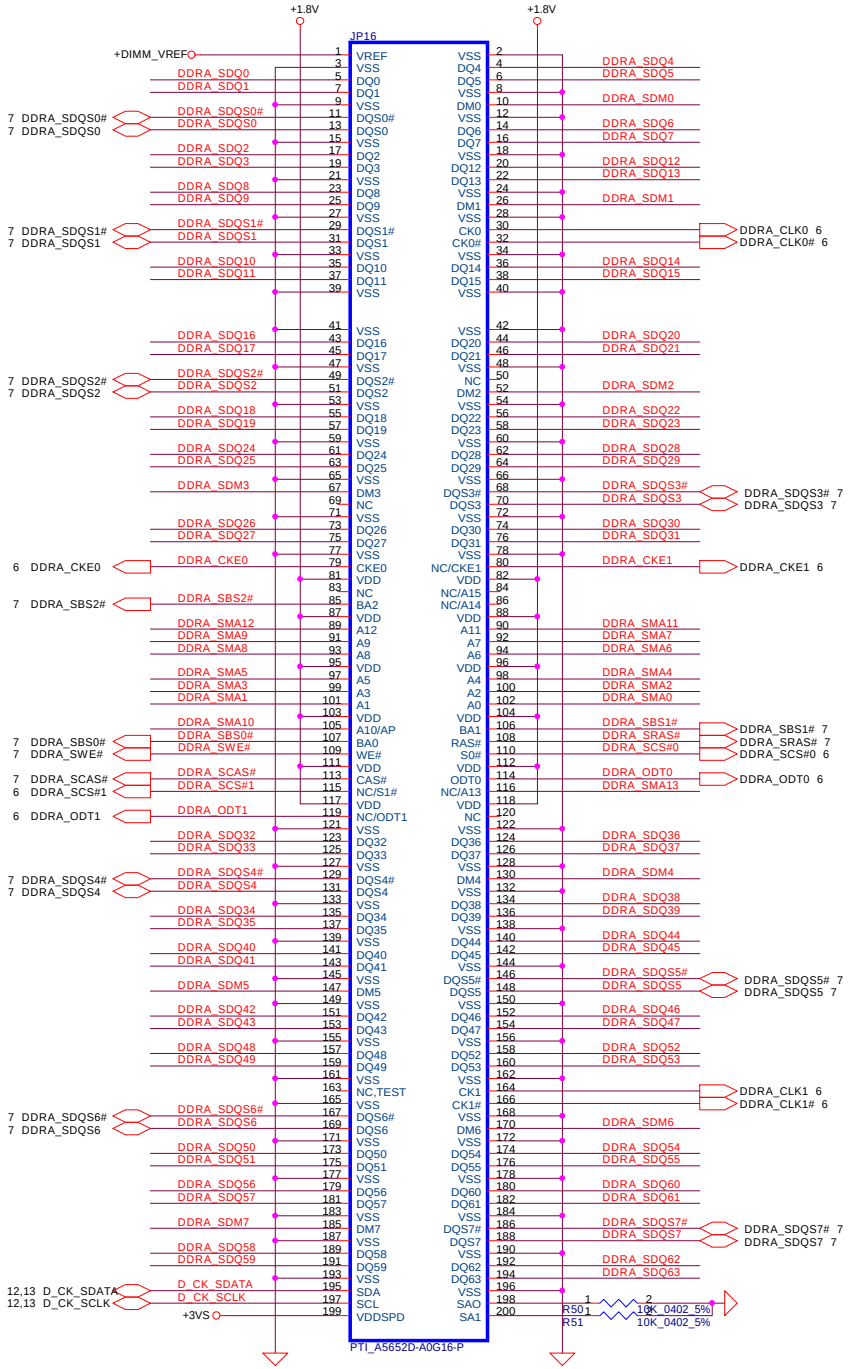
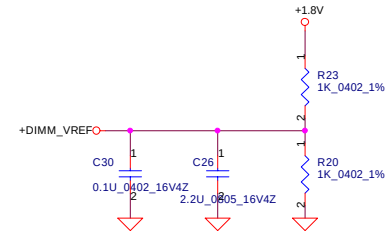
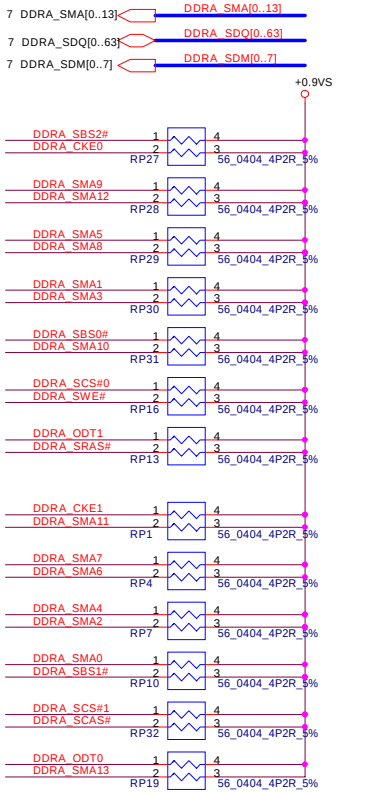
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 10 of 41



DIMM0 STD H:5.2mm (BOT)





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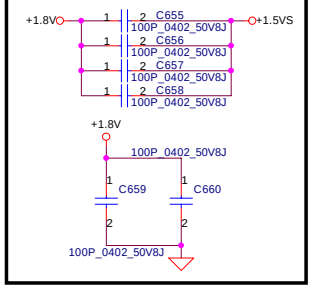
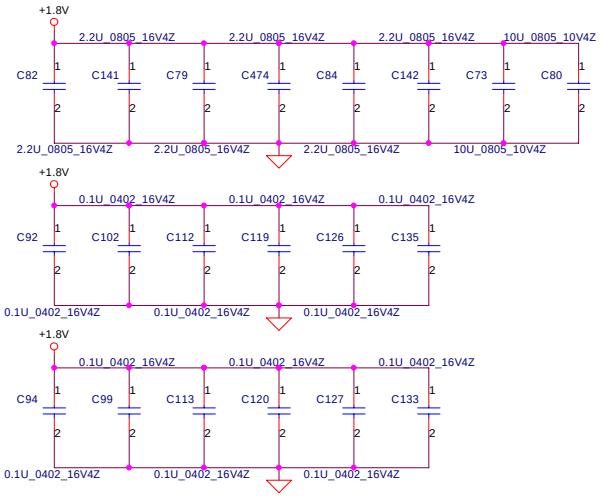
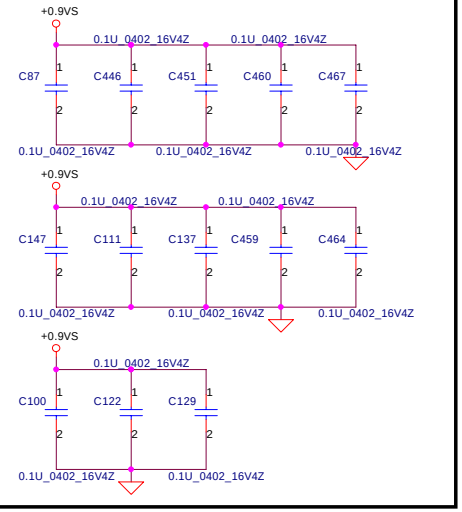


Layout note : Place one 0.1u cap close to every DDR-SODIMM pin
one 2.2u cap close to every 2 0.1u cap



Layout note :

Place one cap close to every 2 pull up resistors termination to +0.9VS



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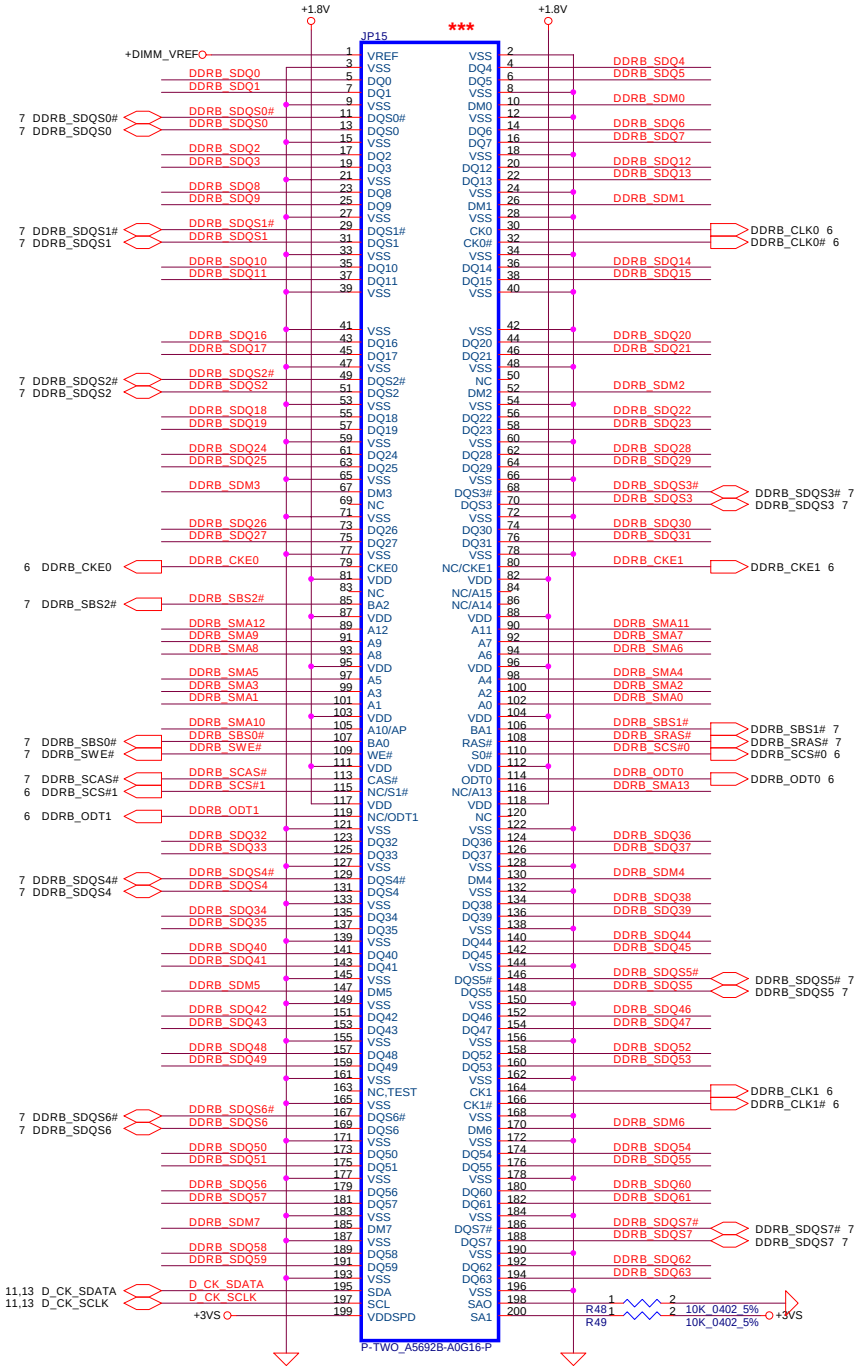
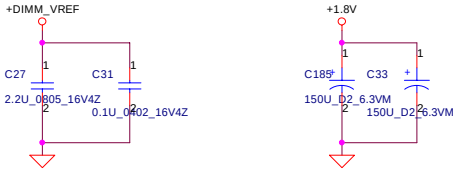
Title: DDRII-SODIMM SLOT0

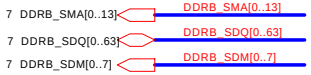
Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

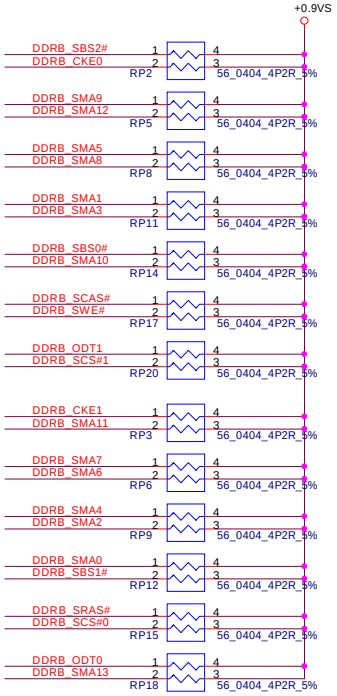
Date: Saturday, August 20, 2005 | Sheet 11 of 41



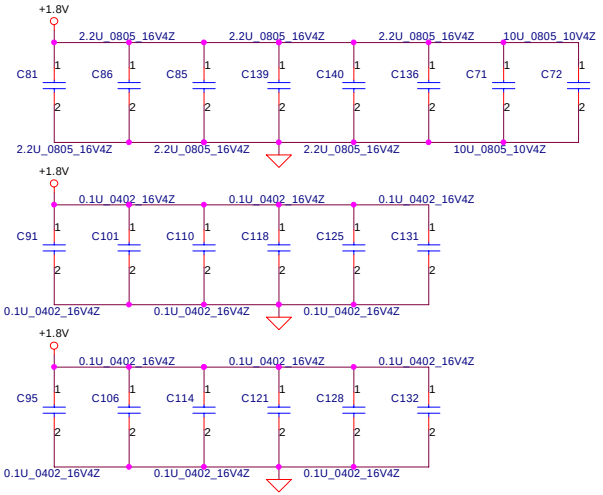
DIMM1 STD H:9.2mm (BOT)





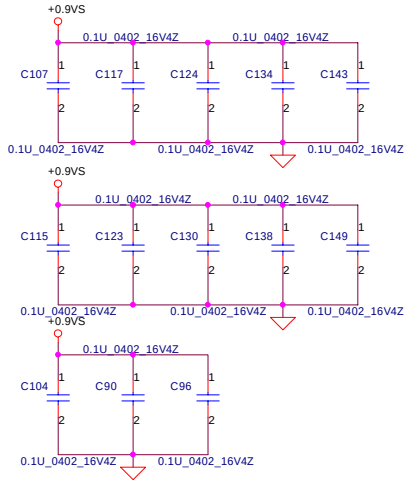


Layout note : Place one 0.1u cap close to every DDR-SODIMM pin one 2.2u cap close to every 2 0.1u cap



Layout note :

Place one cap close to every 2 pull up resistors termination to +0.9VS



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Title: DDRII-SODIMM SLOT1

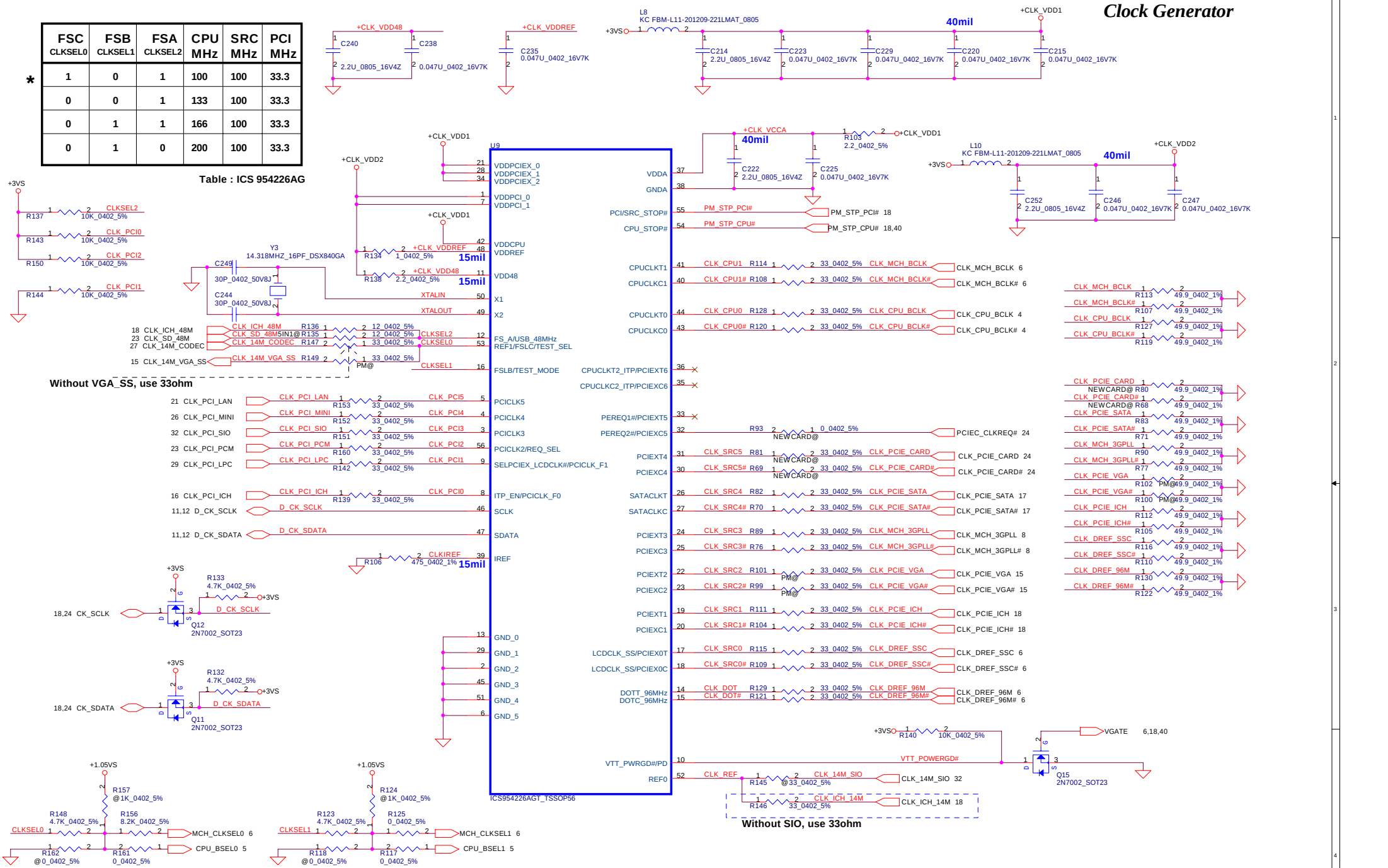
Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 Sheet 12 of 41

Clock Generator

	FSC CLKSEL0	FSB CLKSEL1	FSA CLKSEL2	CPU MHz	SRC MHz	PCI MHz
*	1	0	1	100	100	33.3
	0	0	1	133	100	33.3
	0	1	1	166	100	33.3
	0	1	0	200	100	33.3

Table : ICS 954226AG



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Issued Date	2005/08/22
Deciphered Date	2008/08/22

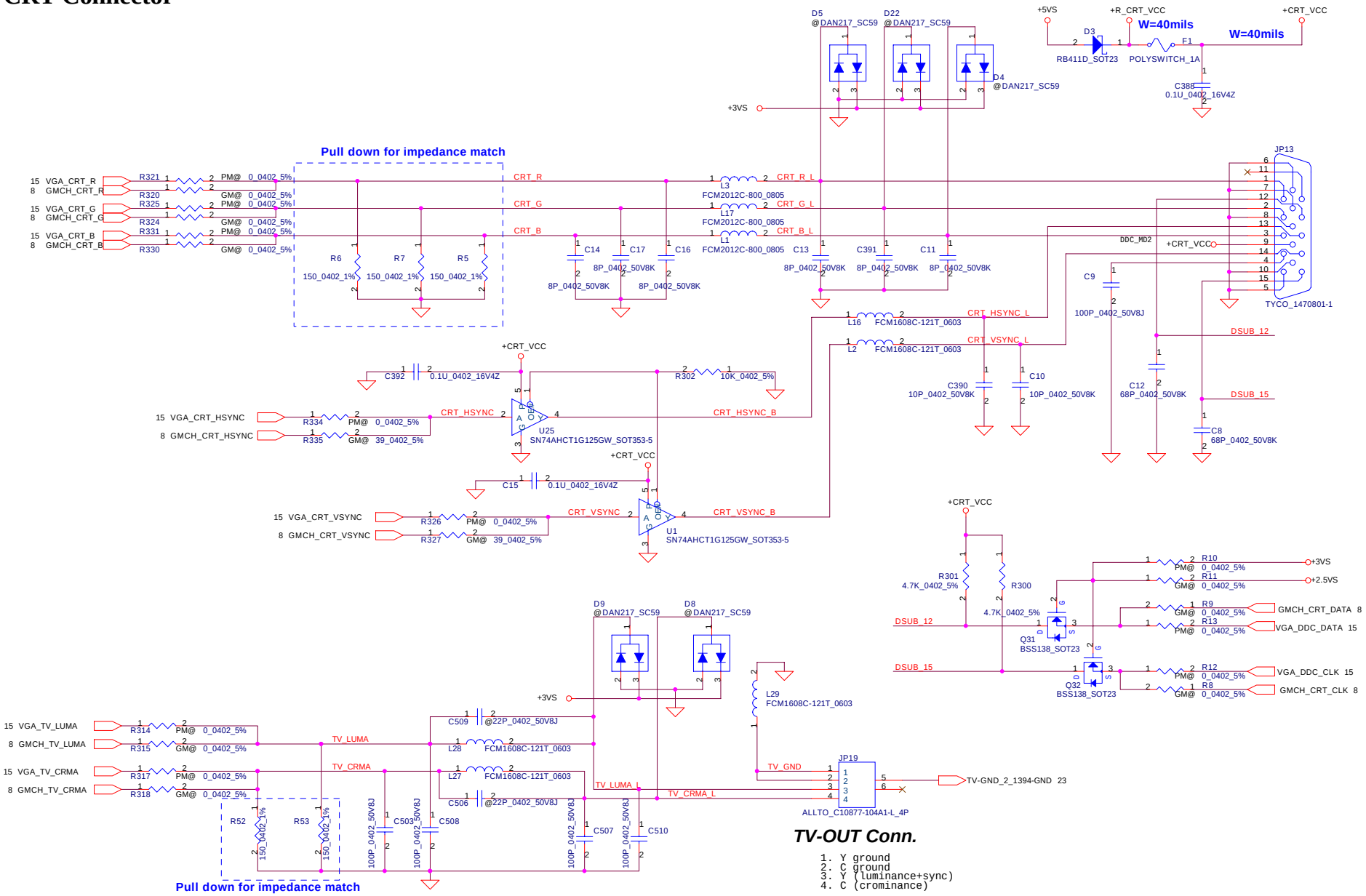
Compal Electronics, Inc.

Title: Clock Generator

Size: | Document Number: HTW00 M/B LA-2871 | Rev: 1.0

Date: Saturday, August 20, 2005 | Sheet 13 of 41

CRT Connector



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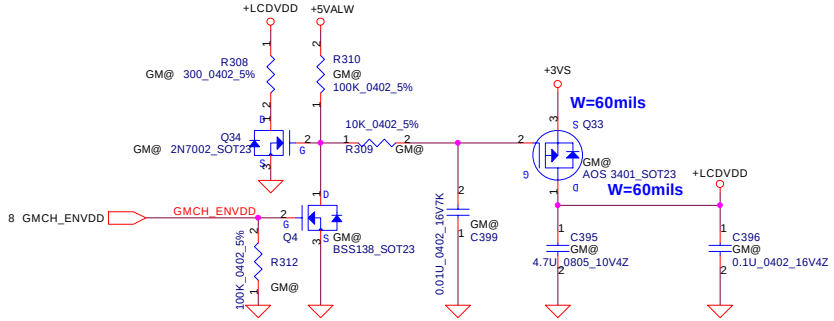
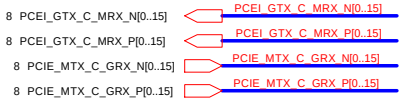
Title: CRT & TVout Connector

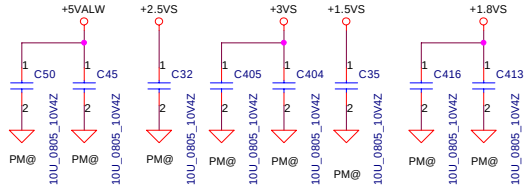
Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 14 of 41

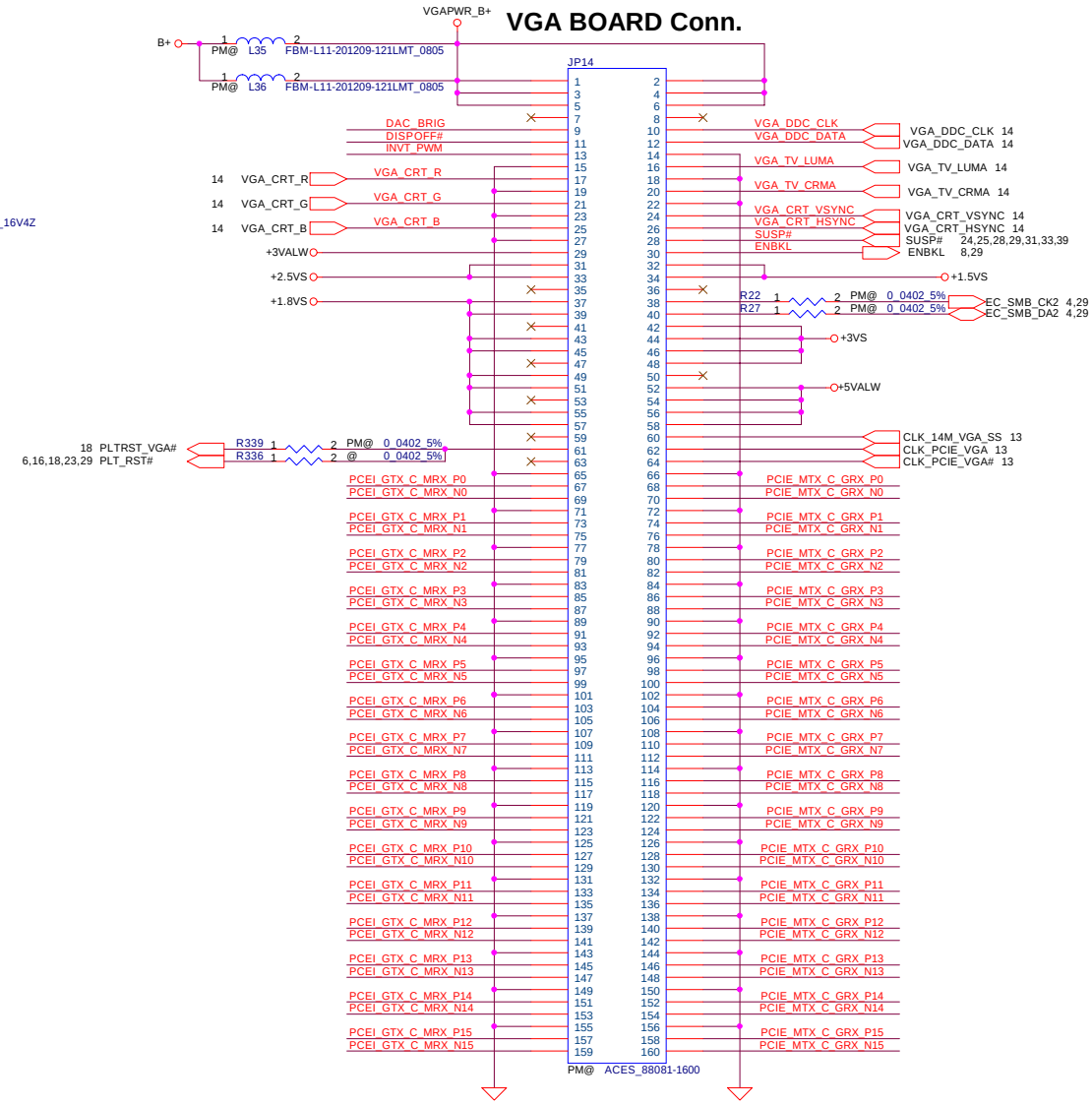
LCD POWER CIRCUIT

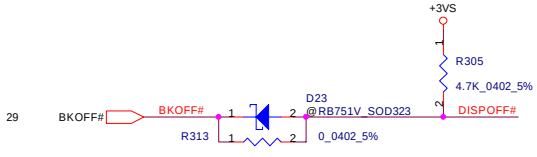






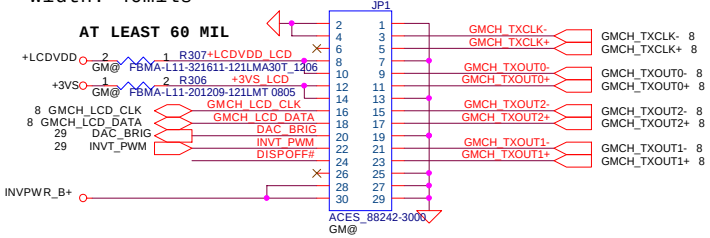
VGA BOARD Conn.

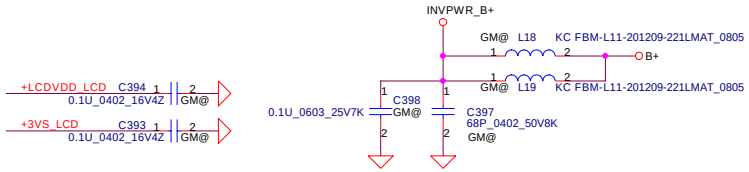




Width: 40mils

AT LEAST 60 MIL





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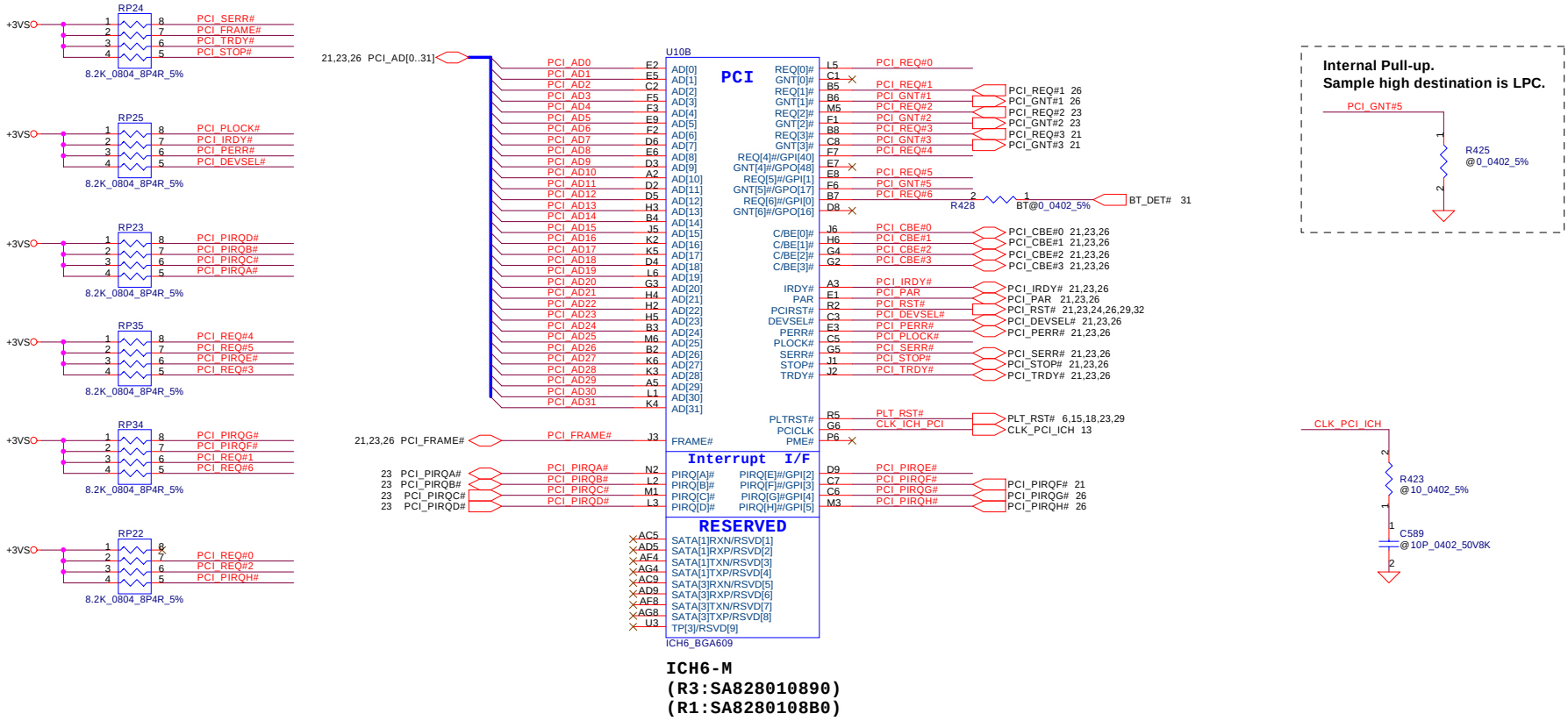
Title: VGA / LCD CONN.

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 Sheet 15 of 41



ICH6-M
(R3:SA828010890)
(R1:SA8280108B0)

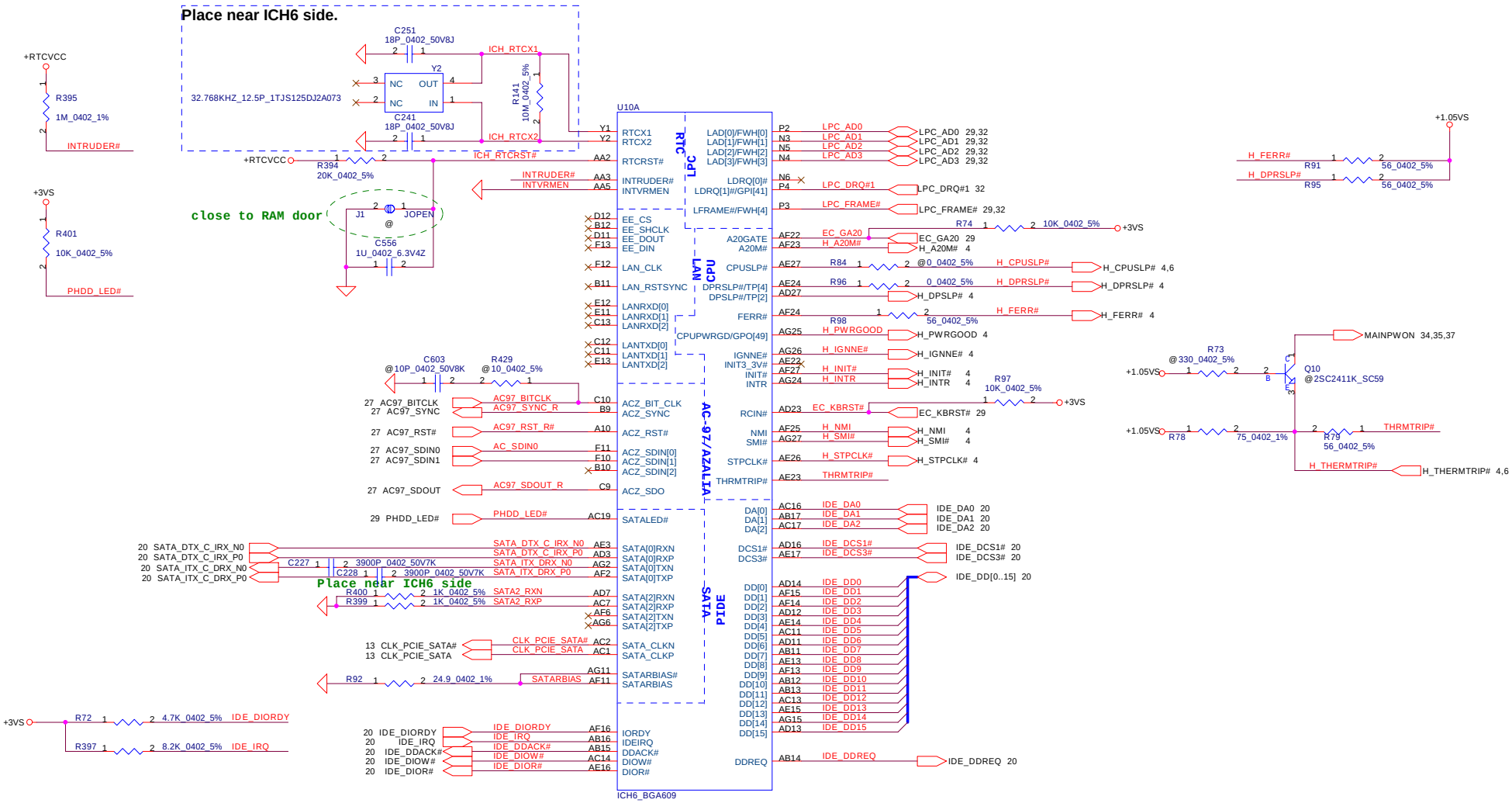
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: ICH6(1/4)_PCI

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 16 of 41



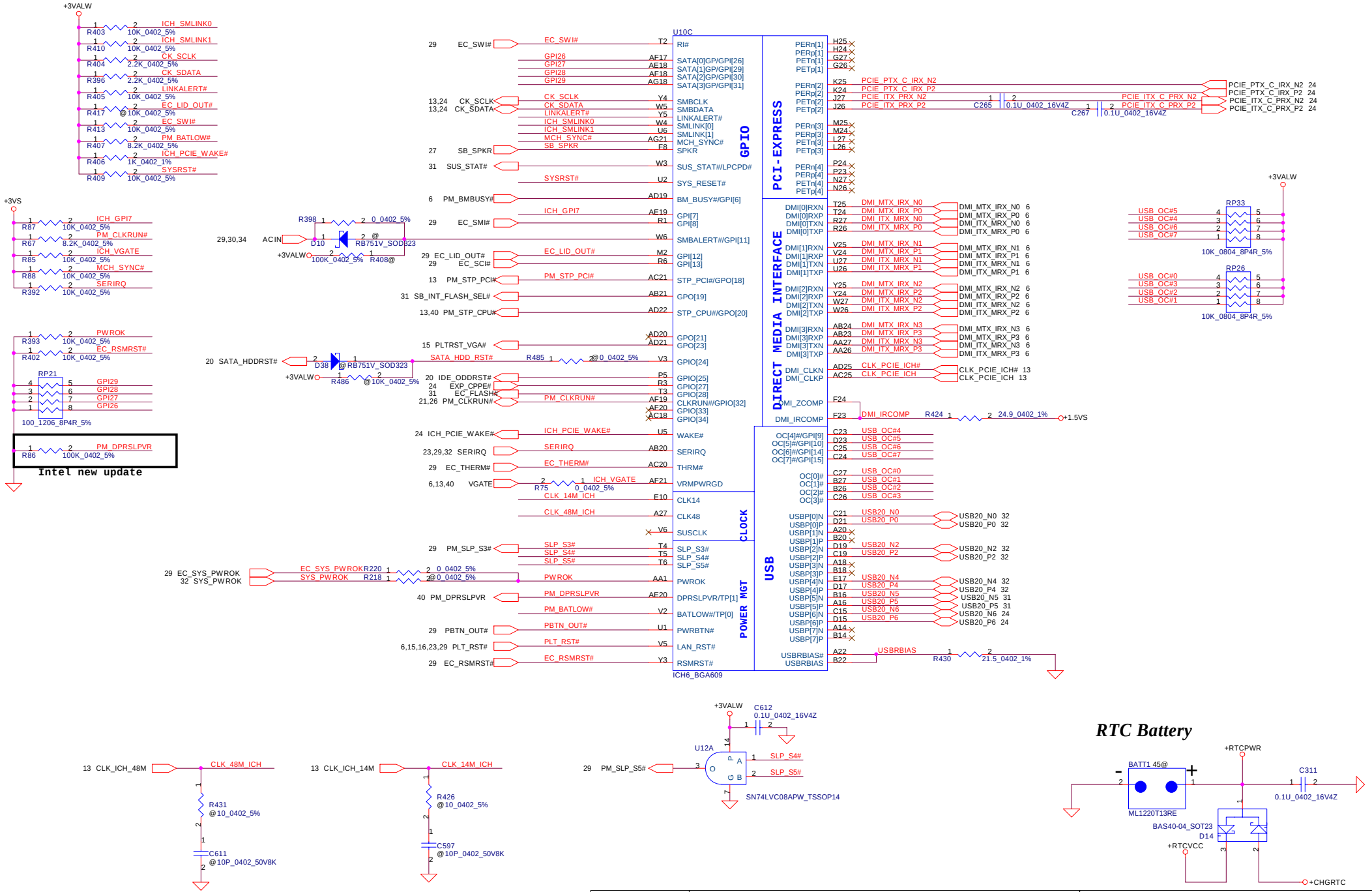
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: ICH6(2/4)_CPU,AC97,IDE,LPC

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 17 of 41



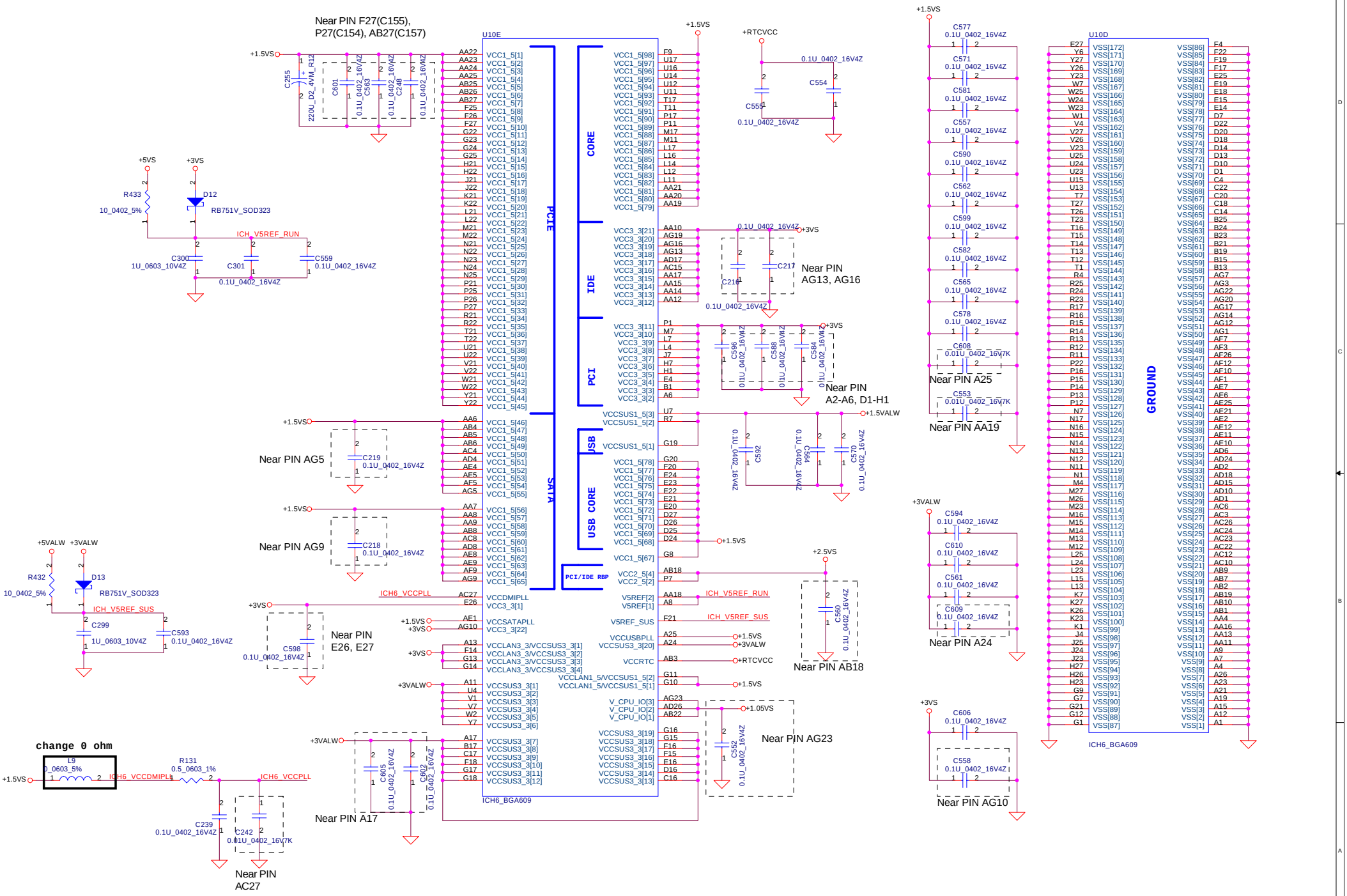
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: ICH6(3/4)_USB,PM,LAN,GPIO

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 Sheet 18 of 41



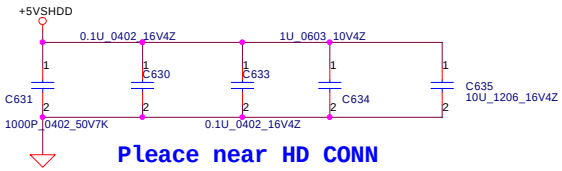
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

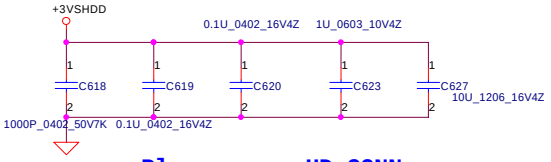
Title: ICH6(4/4)_POWER&GND

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 Sheet 19 of 41

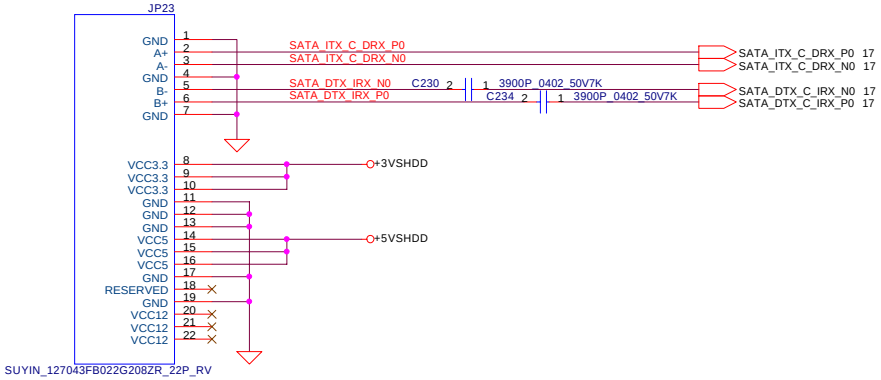


Pleace near HD CONN

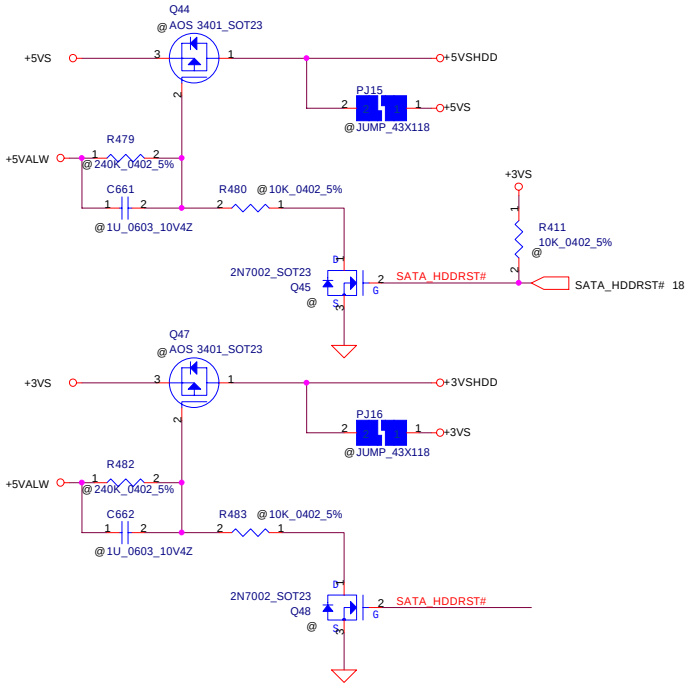


Pleace near HD CONN

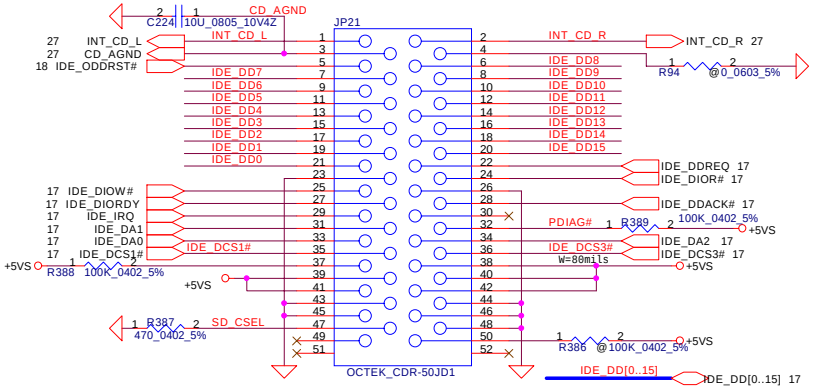
S-ATA HDD Conn.



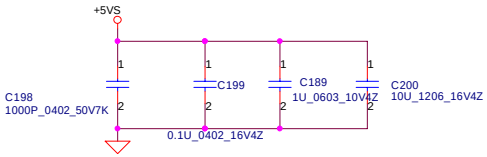
Reserve for SATA HDD RESET



CDROM CONN



Placea caps. near CDROM CONN.



Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

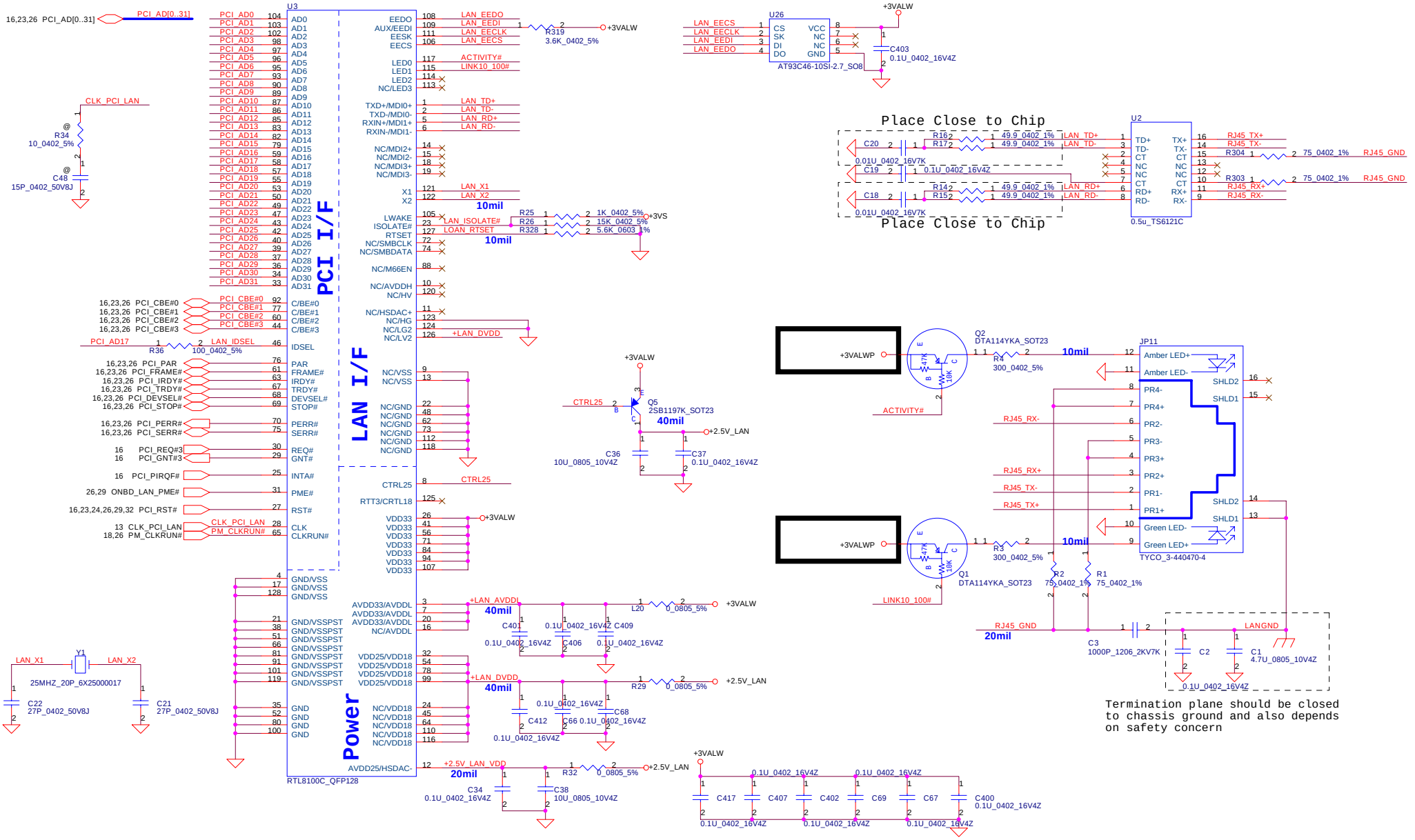
Compal Electronics, Inc.

Title: SATA/PATA-HDD, PATA ODD Connector

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 20 of 41

LAN RTL8100C(L)



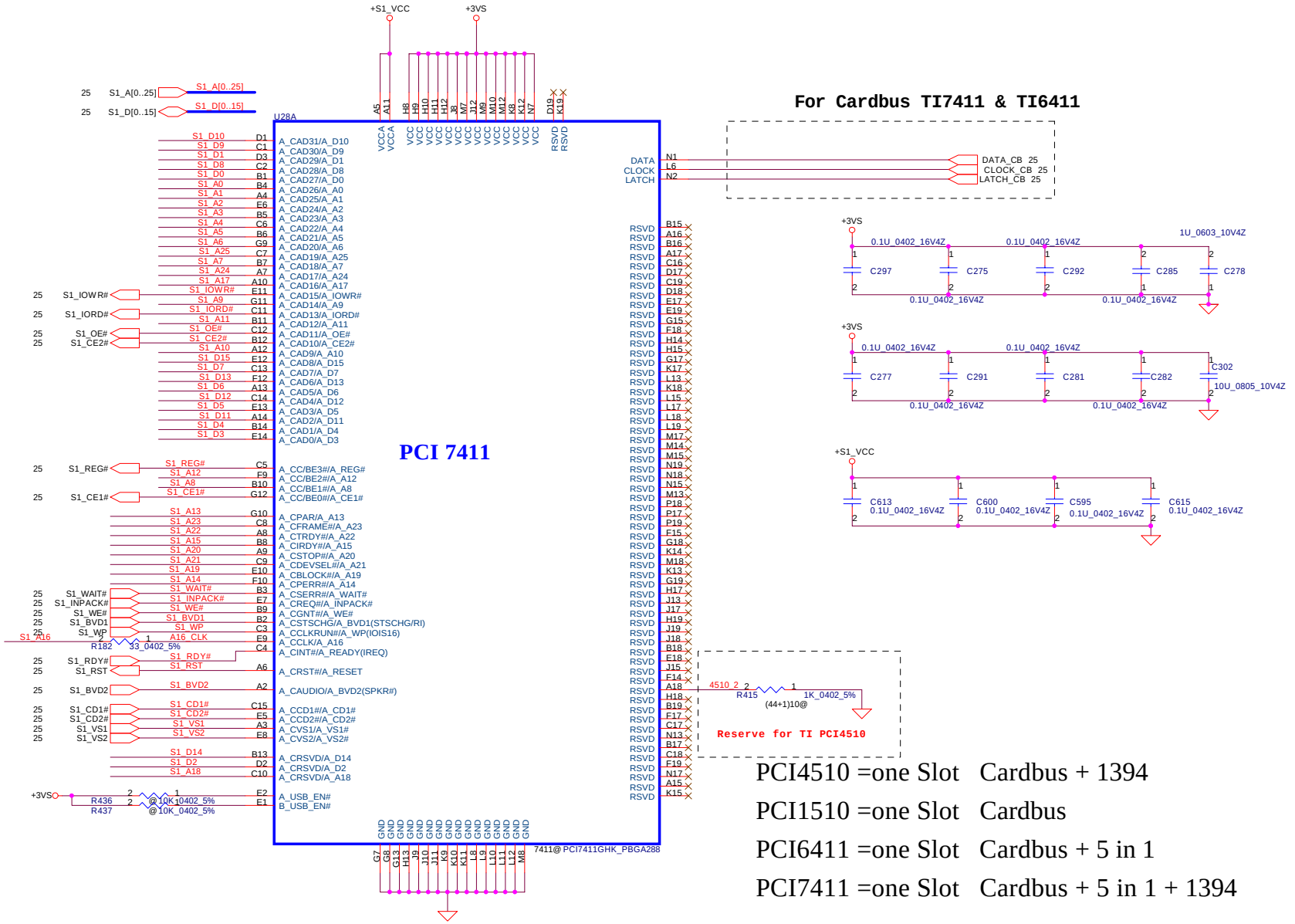
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: LAN RTL8100CL

Size	Document Number	Rev
Custom	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 21 of 41



PCI4510 =one Slot Cardbus + 1394

PCI1510 =one Slot Cardbus

PCI6411 =one Slot Cardbus + 5 in 1

PCI7411 =one Slot Cardbus + 5 in 1 + 1394

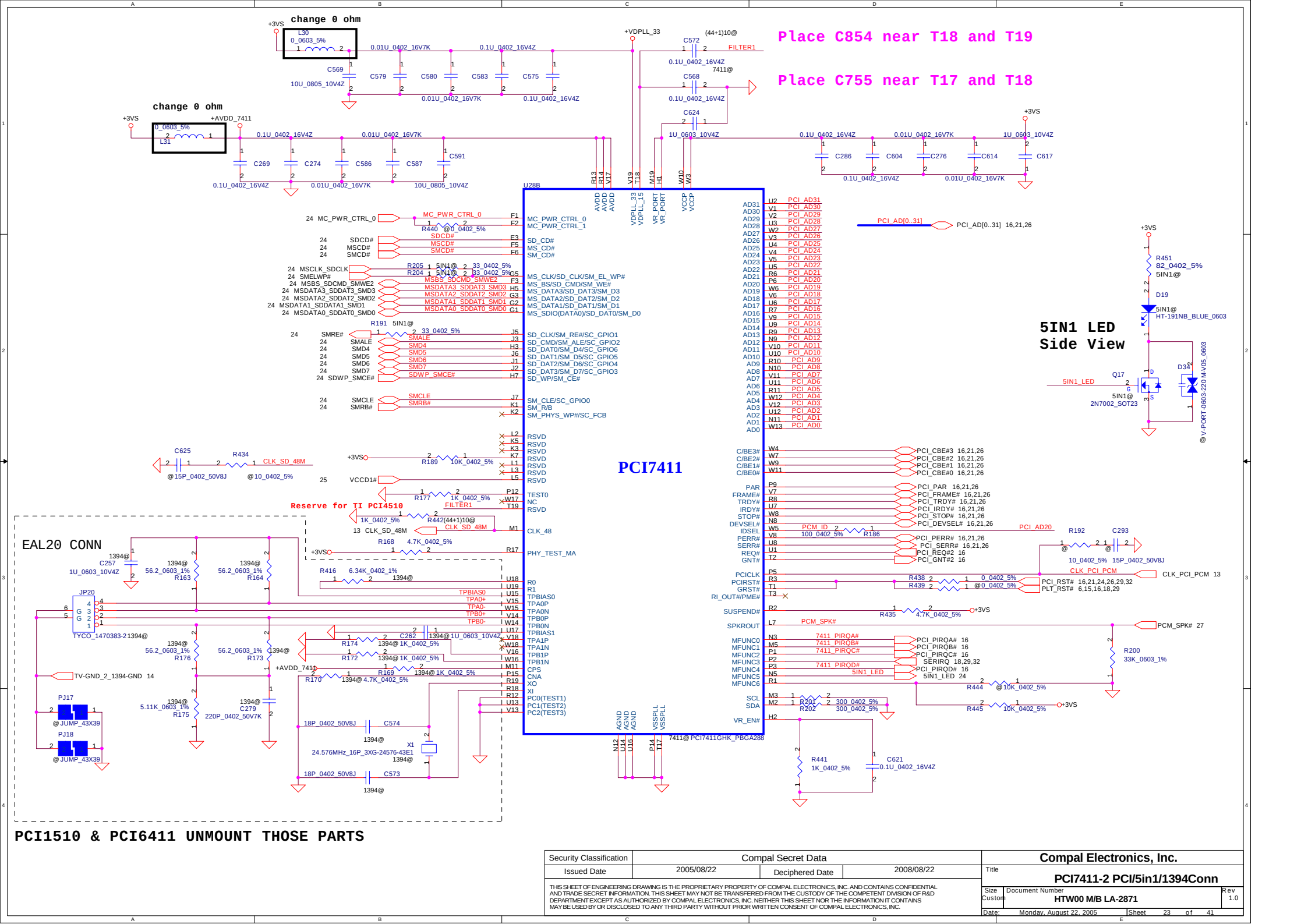
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: **PCI7411-1 Slot0**

Size: Custom | Document Number: **HTW00 M/B LA-2871** | Rev: 1.0

Date: Saturday, August 20, 2005 | Sheet 22 of 41



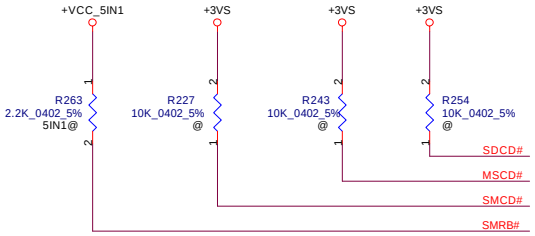
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

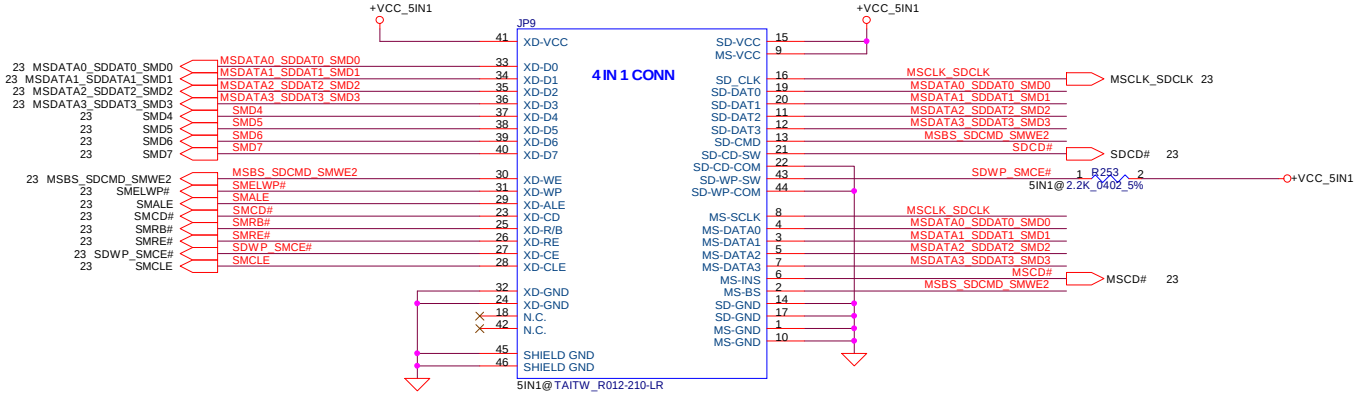
Compal Electronics, Inc.

Title: **PCI7411-2 PCI/5in1/1394Conn**

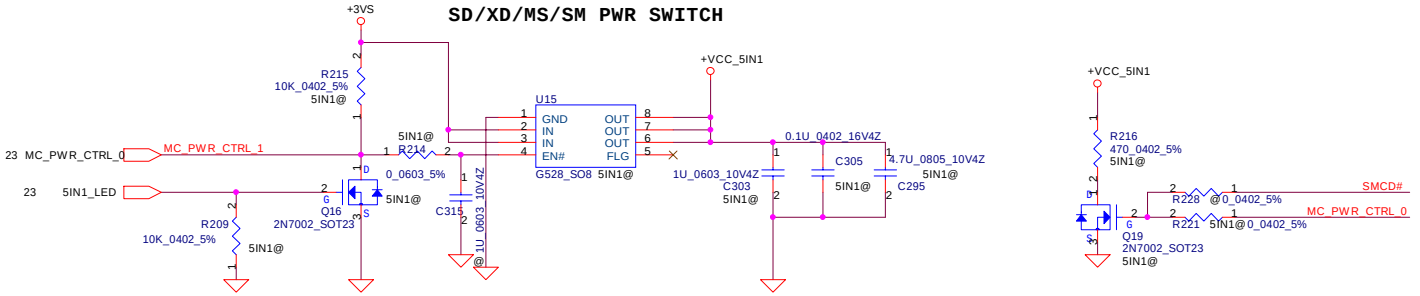
Size	Document Number	Rev
Custom	HTW00 M/B LA-2871	1.0

Date: Monday, August 22, 2005 Sheet 23 of 41

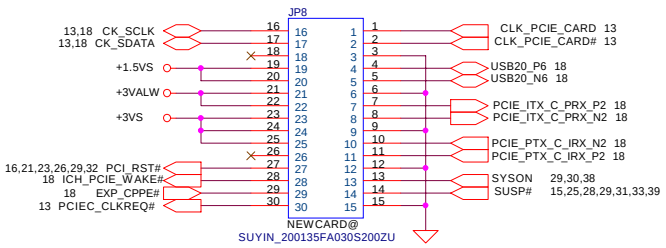


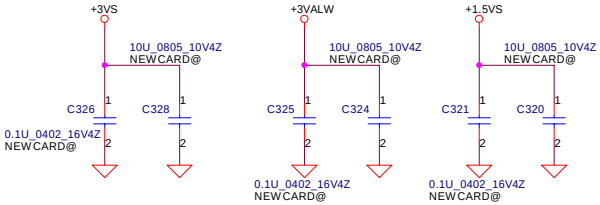


SD/XD/MS/SM PWR SWITCH



New Card Connector





60mils Imax = 1.35A

40mil Imax = 0.275A

40mil Imax = 0.75A

Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: **5in1 Socket&NewCard/B Conn**

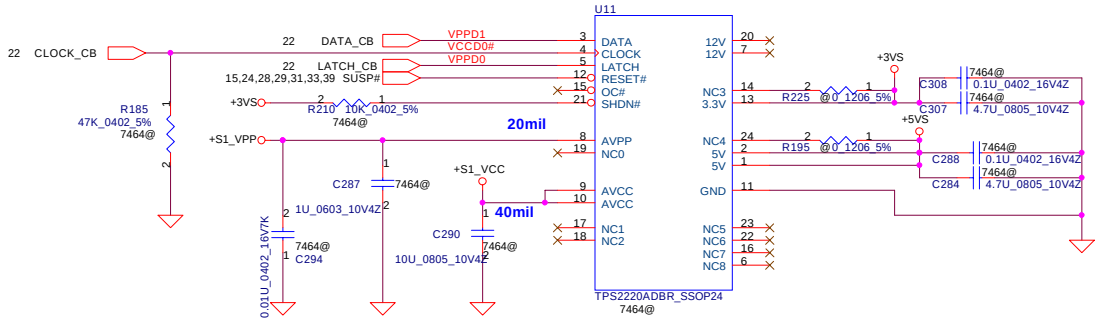
Size	Document Number	Rev
Custom	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 24 of 41

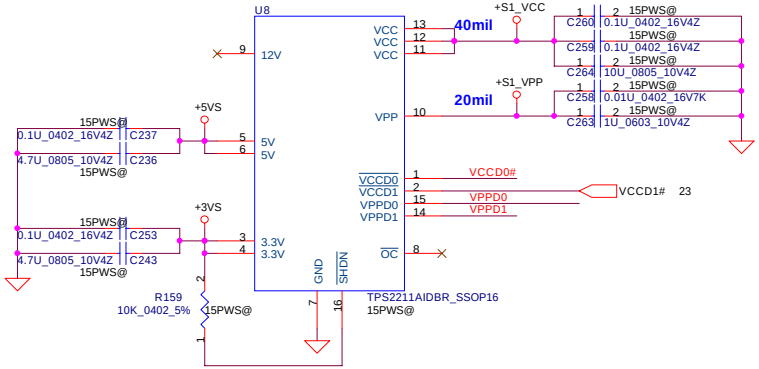
CardBus Socket

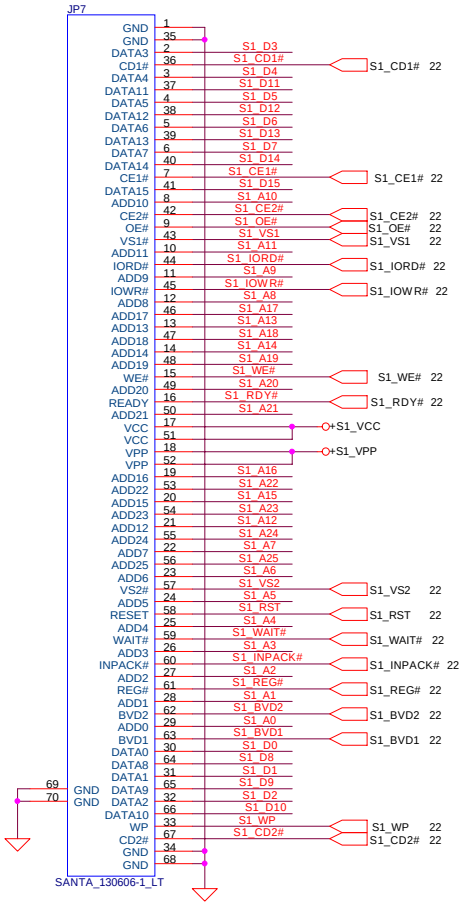
Power Switch for PCMCIA

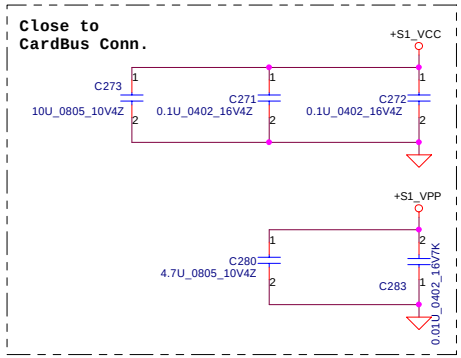
Power Switch for PCMCIA (PCI7411 & PCI6411 only)



Power Switch for PCMCIA (PCI1510 & PCI4510 only)







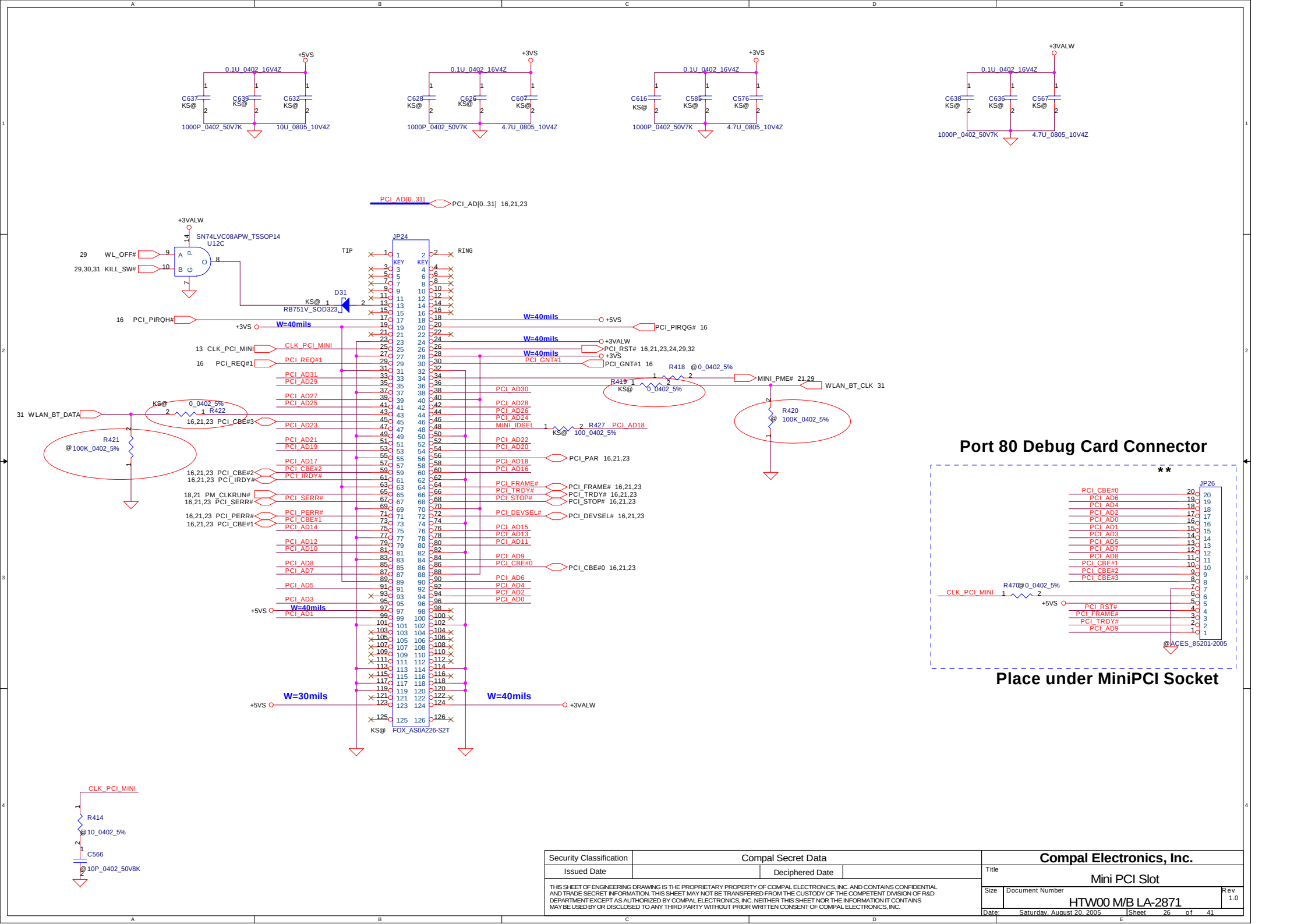
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: **Cardbus Socket**

Size	Document Number	Rev
Custom	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 25 of 41



Port 80 Debug Card Connector

Place under MiniPCI Socket

Security Classification	Compal Secret Data		
Issued Date		Deciphered Date	

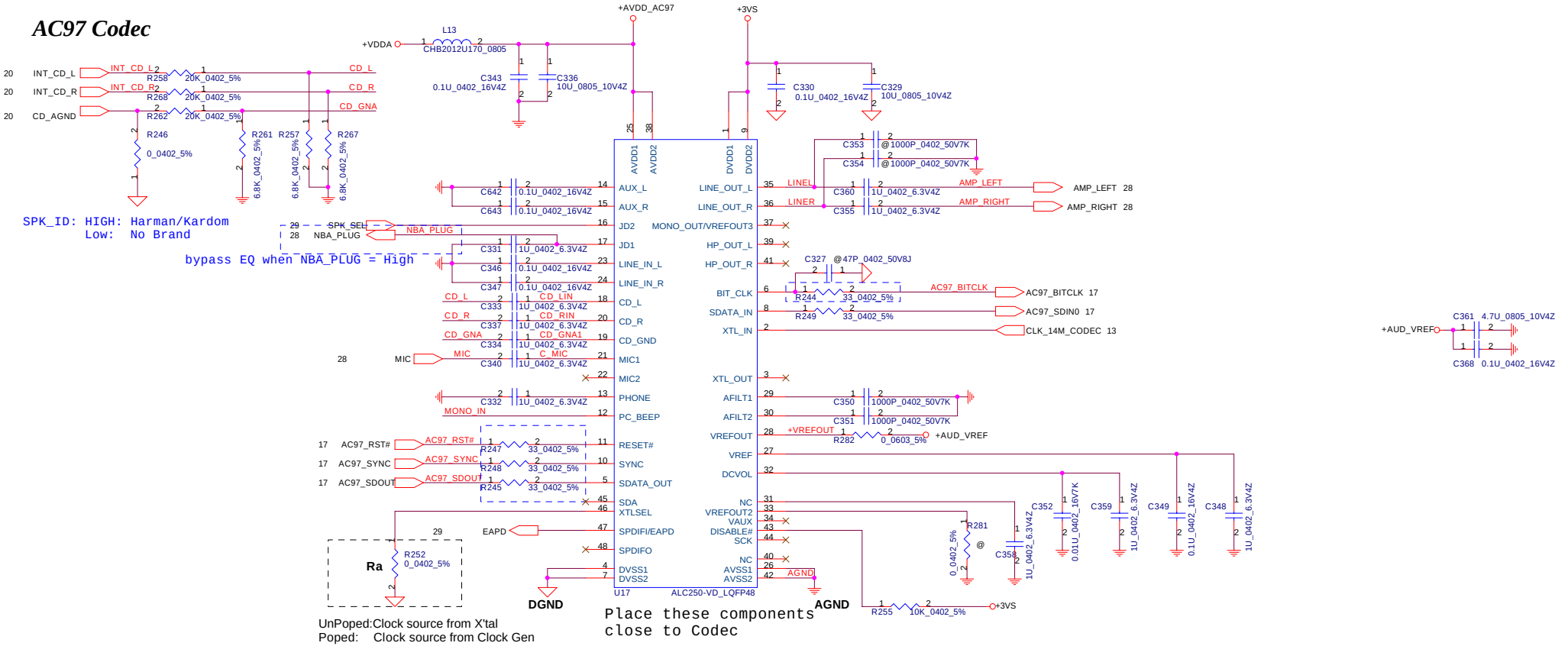
Compal Electronics, Inc.

Title: Mini PCI Slot

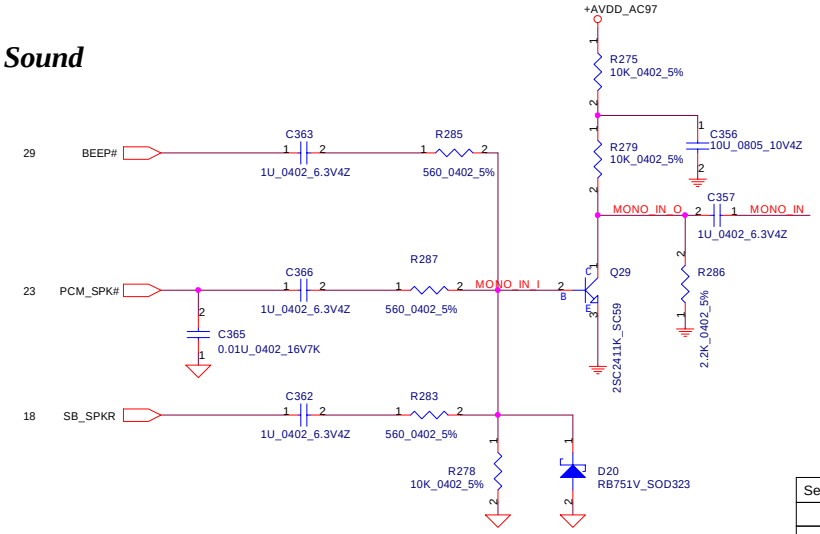
Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 Sheet 26 of 41

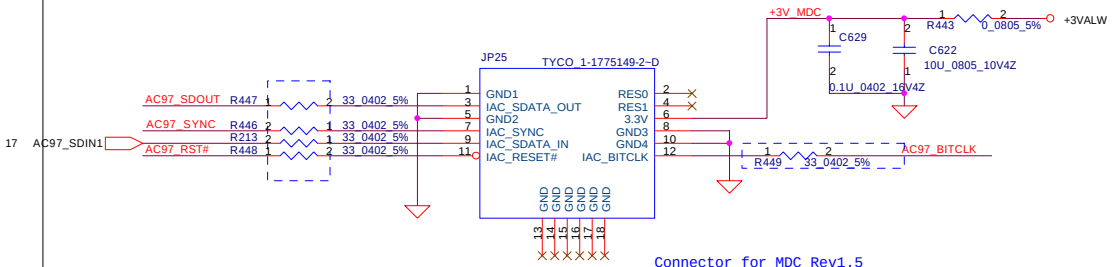
AC97 Codec



System Sound



MDC Connector



Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

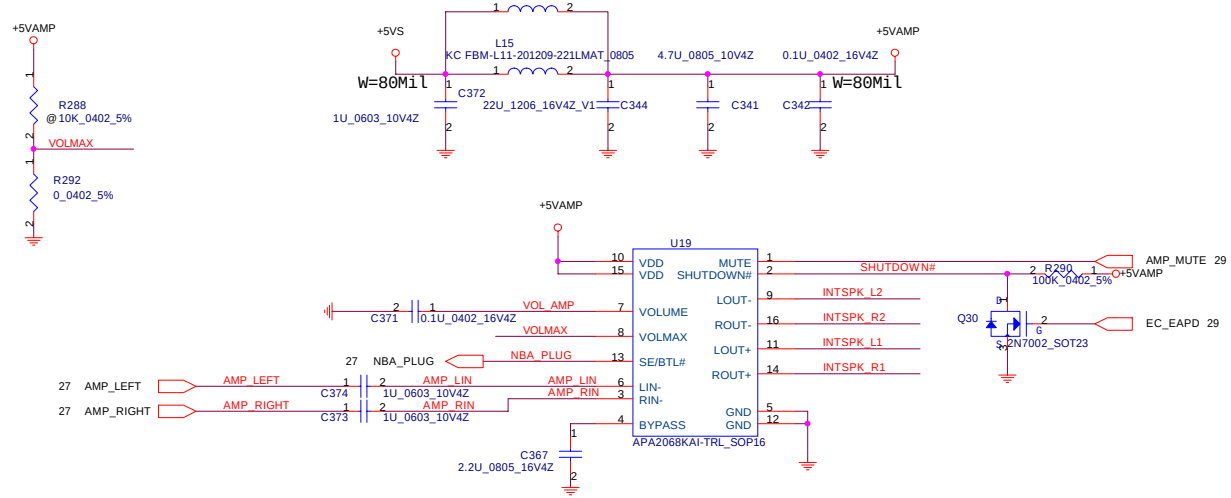
Compal Electronics, Inc.

Title: AC97 Codec_ALC250&MDC

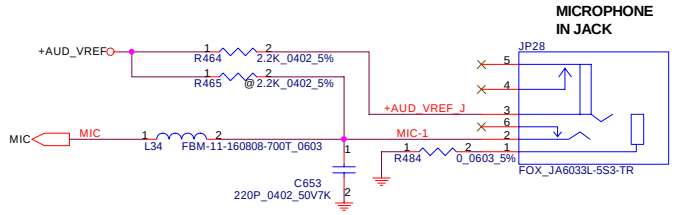
Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 27 of 41

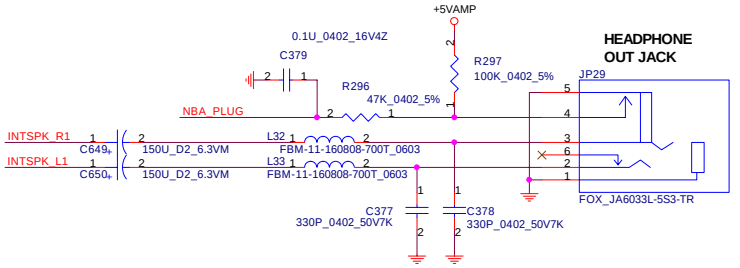
Audio AMP



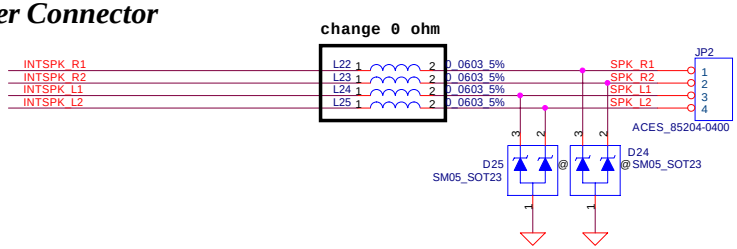
MICROPHONE IN JACK



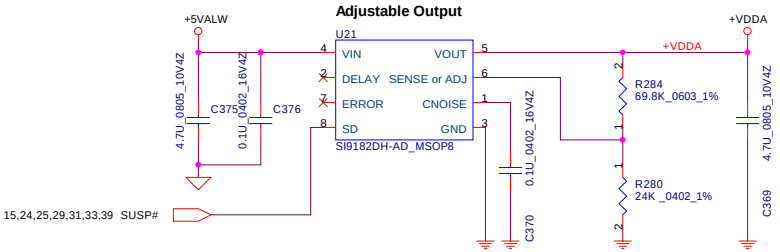
HEADPHONE OUT JACK



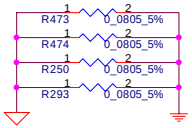
Speaker Connector



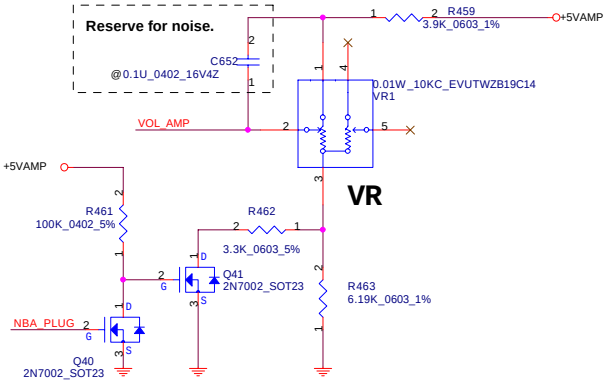
Regulator for CODEC



Moat Bridge



Variable Resistor



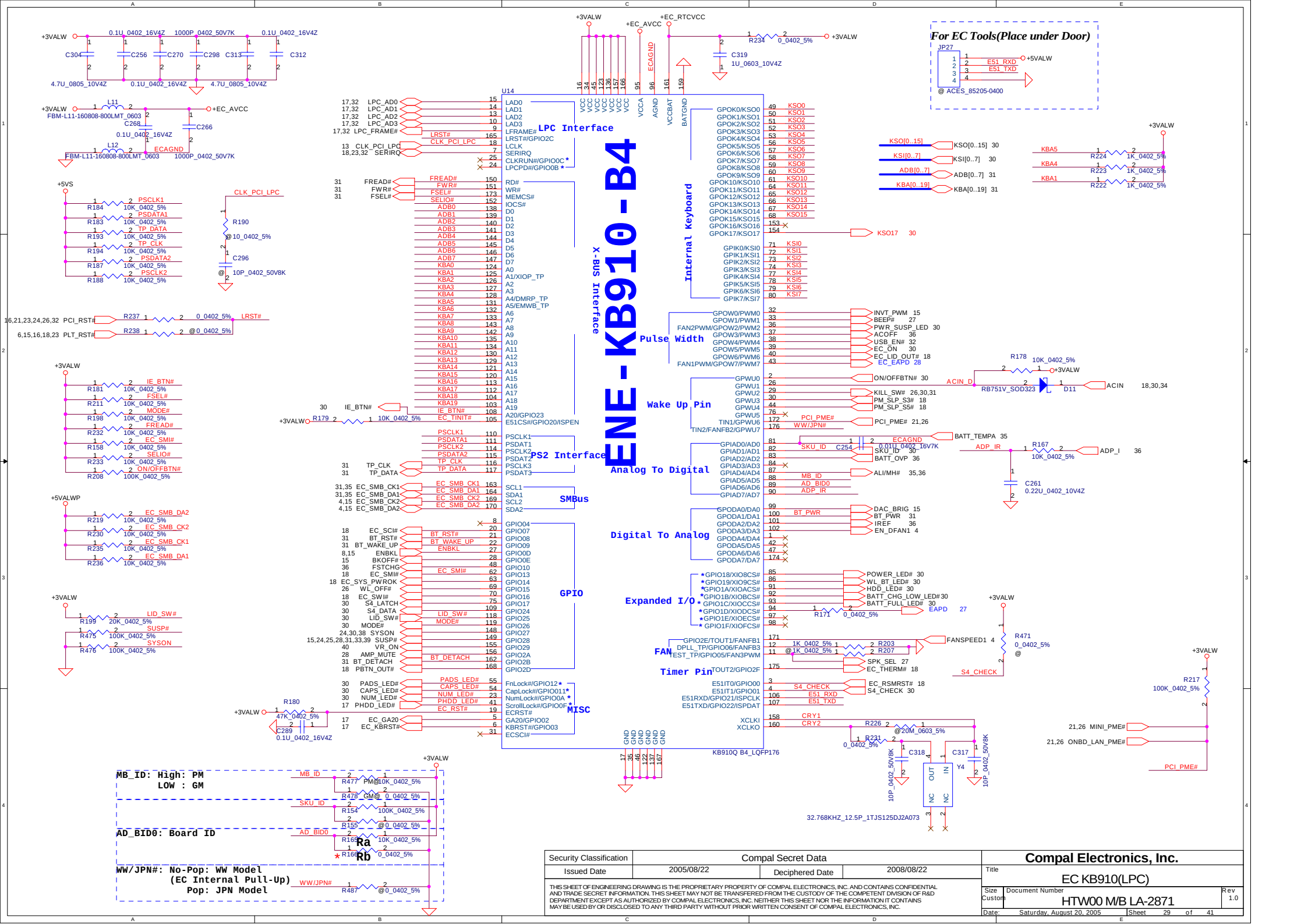
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: AMP/VR/Audio Jack

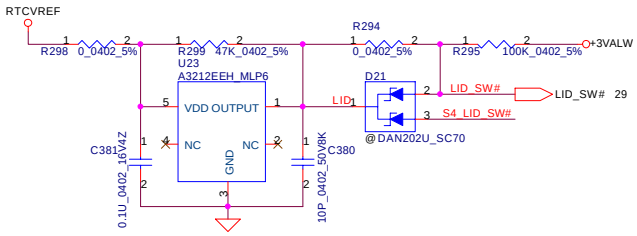
Size	Document Number	Rev
Custom	HTW00 M/B LA-2871	1.0

Date: Monday, August 22, 2005 Sheet 28 of 41

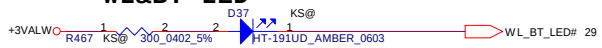

ENE-KB910-B4
U14
LPC Interface
X-BUS Interface
Internal Keyboard
Pulse Width
Wake Up Pin
PS2 Interface
Analog To Digital
SMBus
Digital To Analog
GPIO
Expanded I/O
FAN
Timer Pin
MISC
KB910Q B4_LQFP176
For EC Tools(Place under Door)
JP27
@ ACES_85205-0400
MB_ID: High: PM
LOW : GM
AD_BID0: Board ID
WW/JPN#: No-Pop: WW Model
(EC Internal Pull-Up)
Pop: JPN Model
Ra
Rb
32.768KHZ_12.5P_1TJS125DJ2A073
Security Classification
Compal Secret Data
Issued Date
2005/08/22
Deciphered Date
2008/08/22
Compal Electronics, Inc.
EC KB910(LPC)
HTW00 M/B LA-2871
Rev 1.0
Saturday, August 20, 2005
Sheet 29 of 41

ON/OFF BUTTON
for debug only

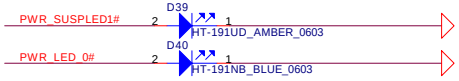
Lid SW



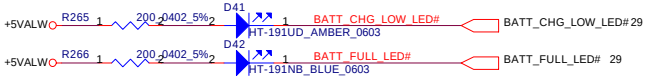
WL&BT LED



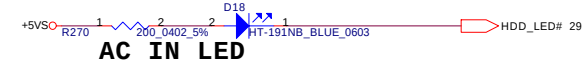
POWER/ON(Green Pin2,1) Suspend (Amber Pin3,4) LED



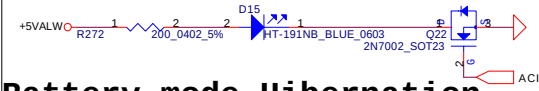
BATTERY CHG(Green Pin2,1) BATTERY LOW(Amber Pin3,4) LED



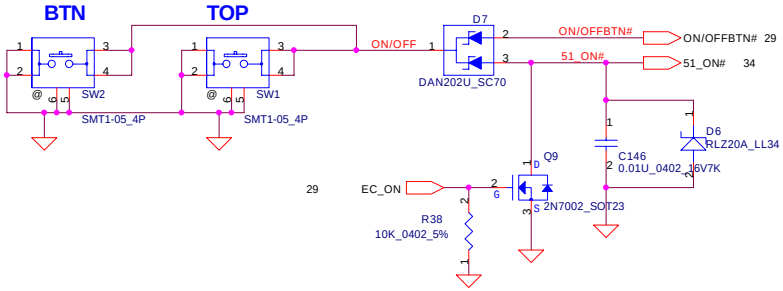
HDD LED



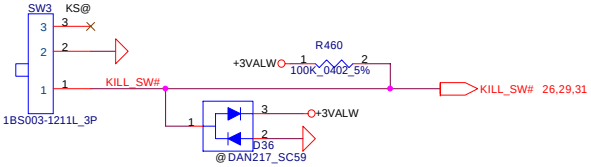
AC IN LED

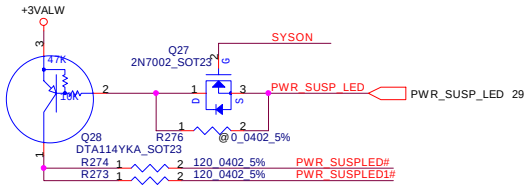


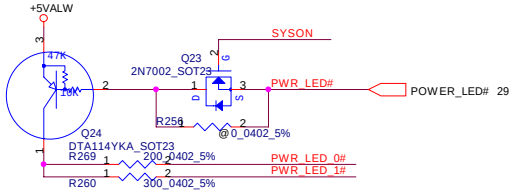
BTN TOP



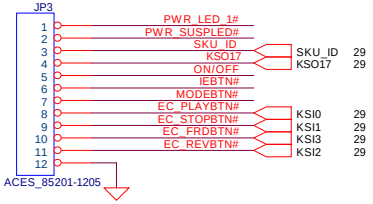
Kill SWITCH

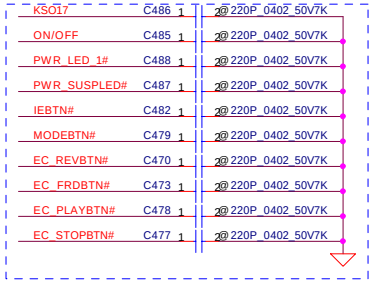






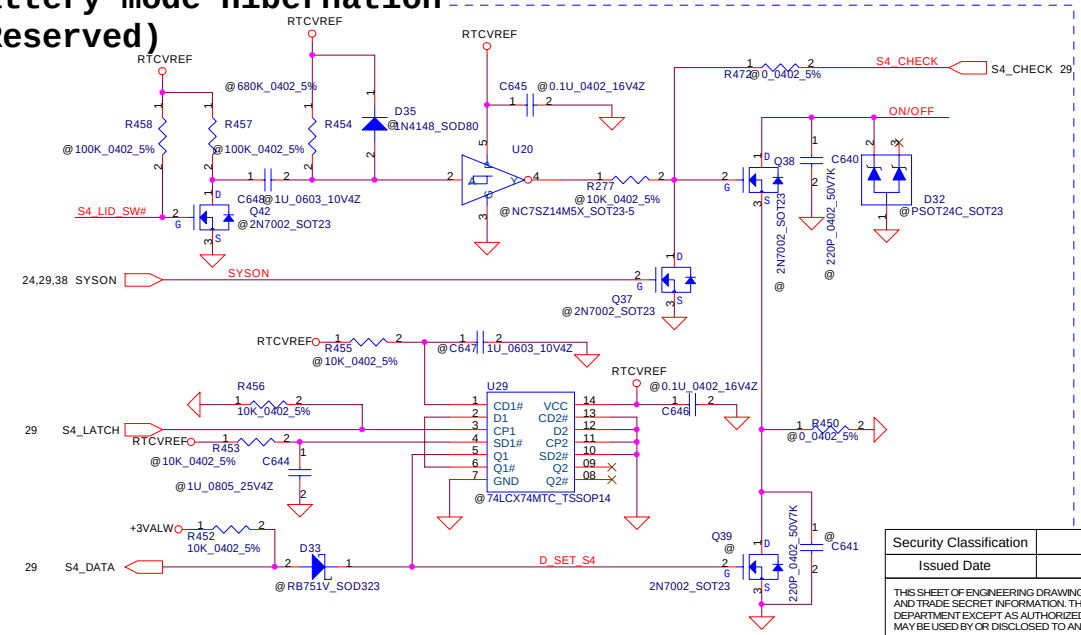
SW/LED Connector



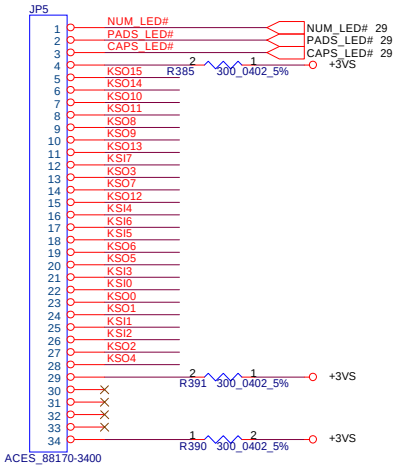


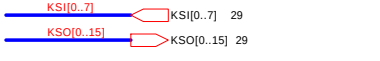
For EMI Request

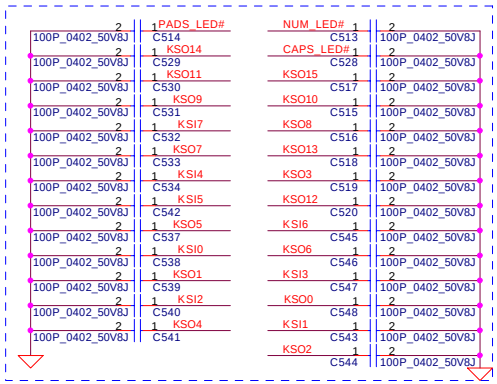
Battery mode Hibernation (Reserved)



KEYBOARD CONN.







For EMI Request

Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

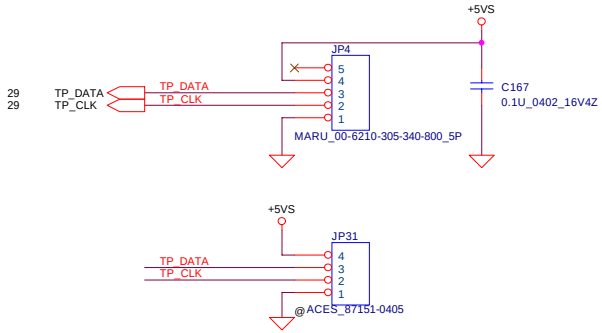
Compal Electronics, Inc.

Title: S4R/LID/KS/KB/LED/SW-B Conn

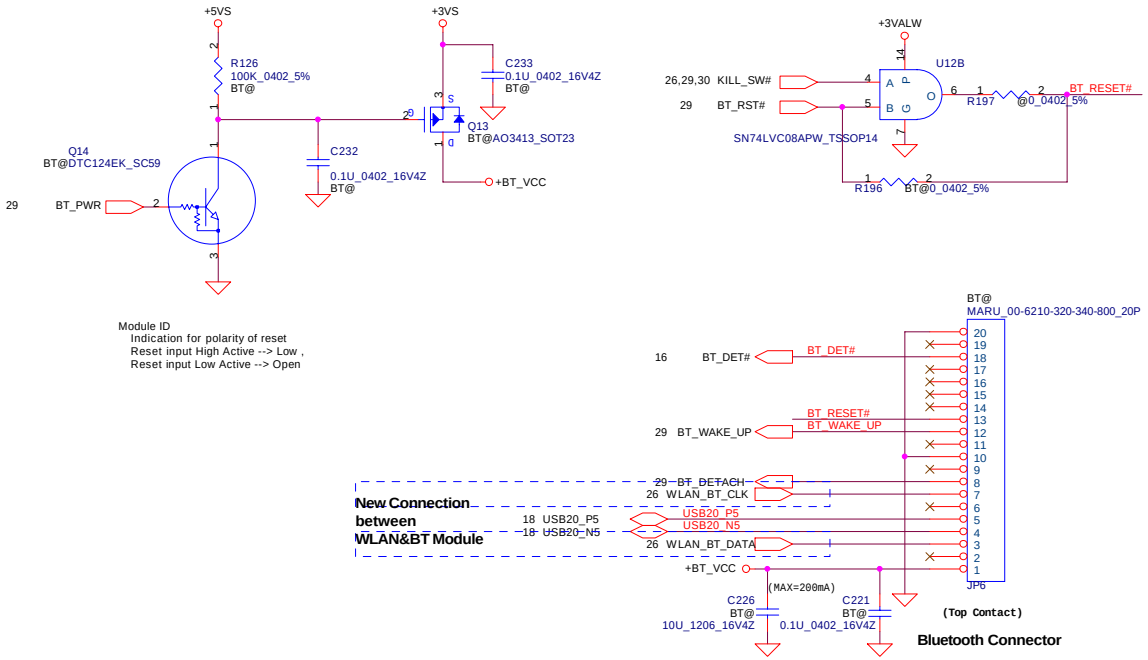
Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Monday, August 22, 2005 Sheet 30 of 41

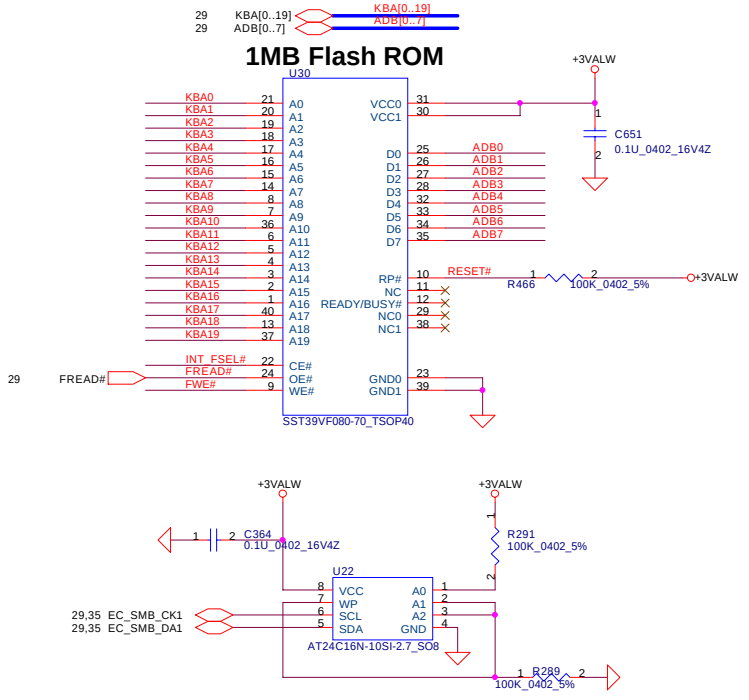
TP CONN.



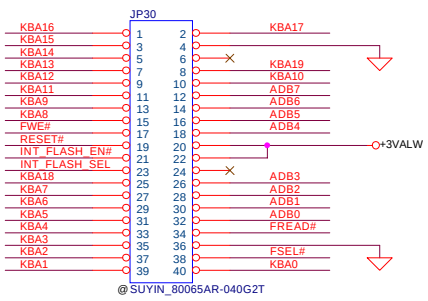
BlueTooth Interface

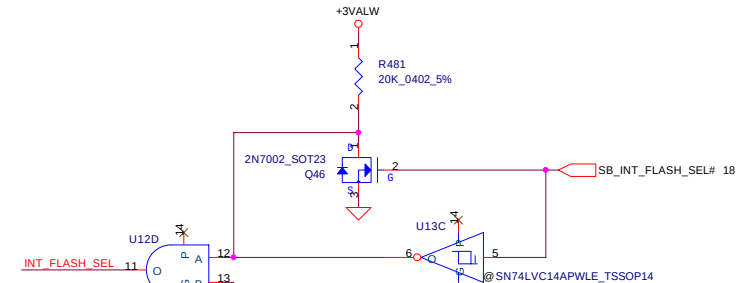


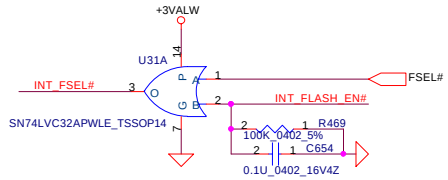
1MB Flash ROM

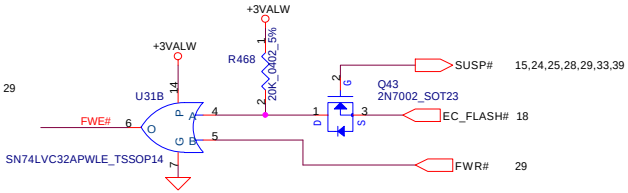


1MB ROM Socket









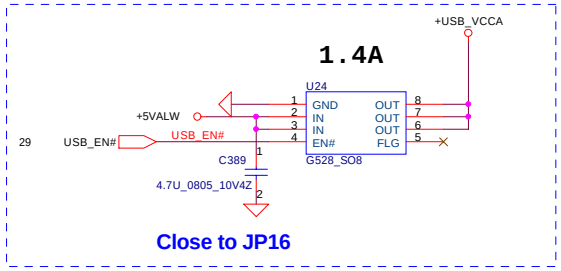
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

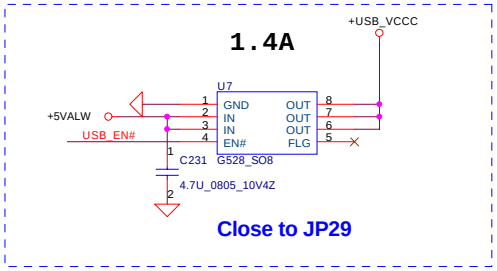
Compal Electronics, Inc.

Title: 1MB BIOS/ TP Conn/ BT Conn

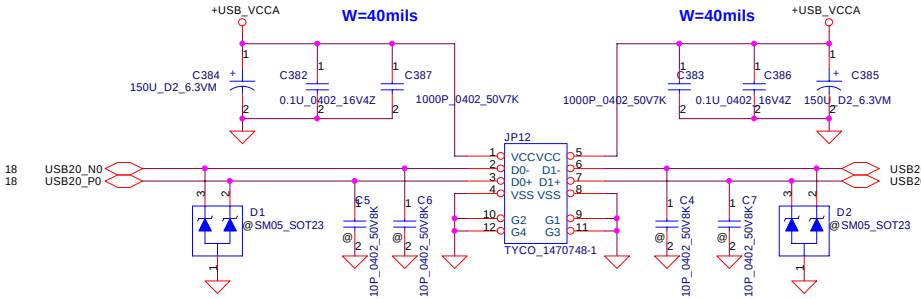
Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Monday, August 22, 2005 Sheet 31 of 41



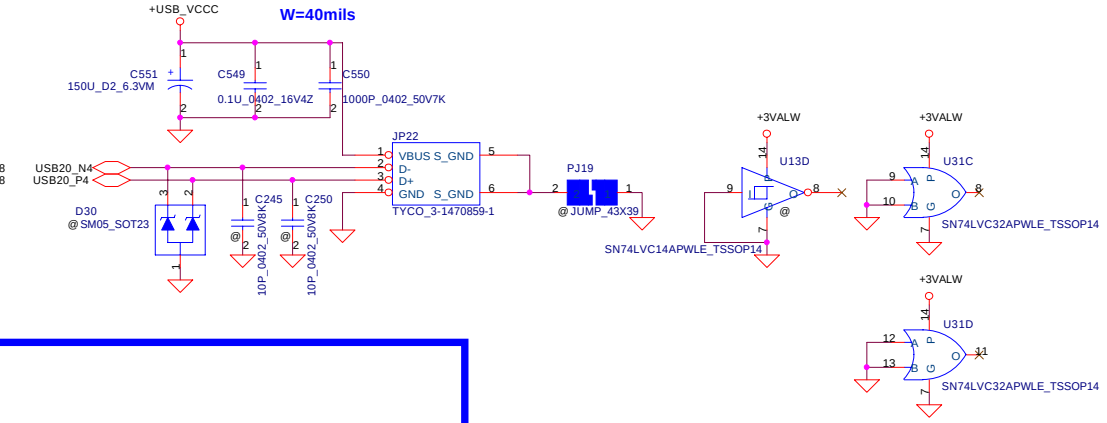


USB CONN. 1

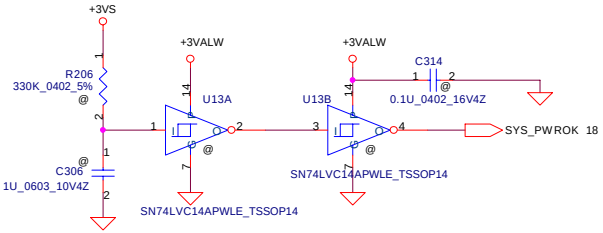


USB CONN. 2

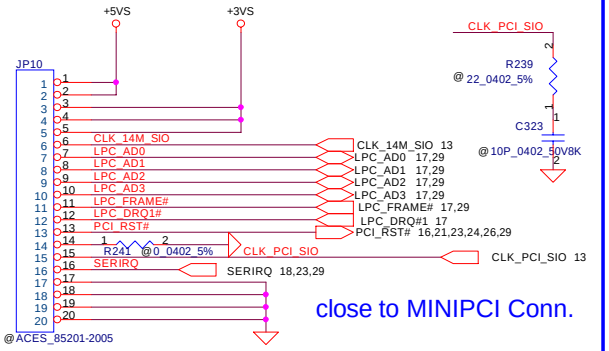
USB CONN. 3



Power OK Circuit



LPC Debug Port



H1 H_S315D118 H4 H_S315D118 H16 H_S315D118 H27 H_S315D118 H22 H_S315D118
H6 H_S315D118 H5 H_S315D118 H17 H_S315D197 H23 H_S315D118 H26 H_S315D118
H2 H_C138D138N H25 H_O276X177D276X177N H8 H_C315D157 H11 H_C315D118
H28 H_C315D118 H29 H_S315D118 H30 H_S315D118
H19 H_C59D59N H12 H_C79D79N H10 H_C315D157 H7 H_C177D177N
H13 H_C256D177 H20 H_C256D177 H14 H_C256D177 H21 H_C256D177 H15 H_TC157BC236D157 H18 H_TC157BC236D157 H24 H_TC157BC236D157
H31 H_C79D79N H9 H_TS315BC236D157
H32 H_O177X157D177X157N H33 H_O118X197D118X197N H34 H_C256D118
FD4 FD6 FD5 FD2 FD3 FD1 CF2 CF4 CF11
CF10 CF9 CF12 CF5
CF7 CF6 CF8 CF3 CF1

Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

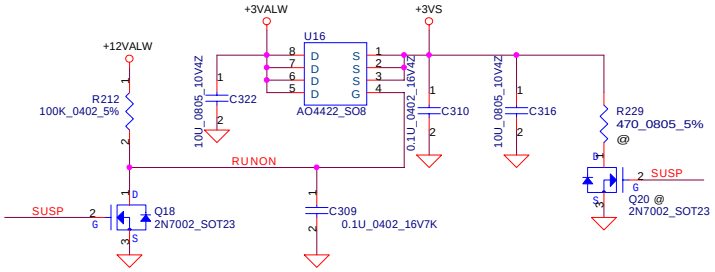
Compal Electronics, Inc.

Title: Screw Hole/USB/LPC Conn

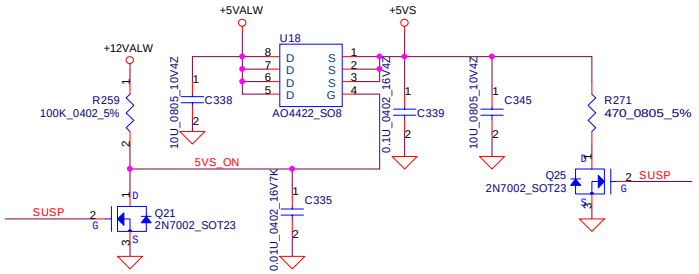
Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 Sheet 32 of 41

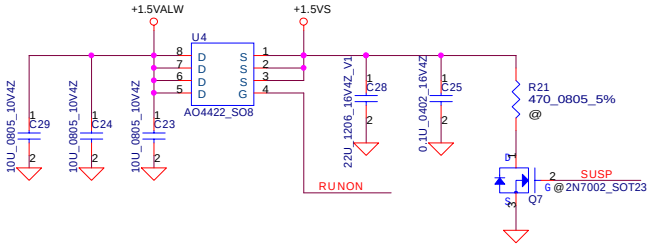
+3VALW to +3VS Transfer

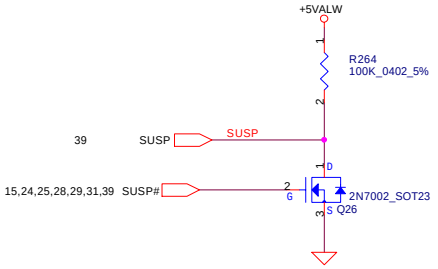


+5VALW to +5VS Transfer

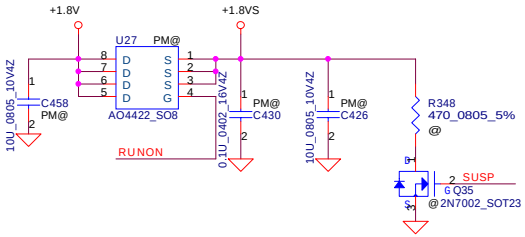


+1.5VALW to +1.5VS Transfer





+1.8V to +1.8VS Transfer



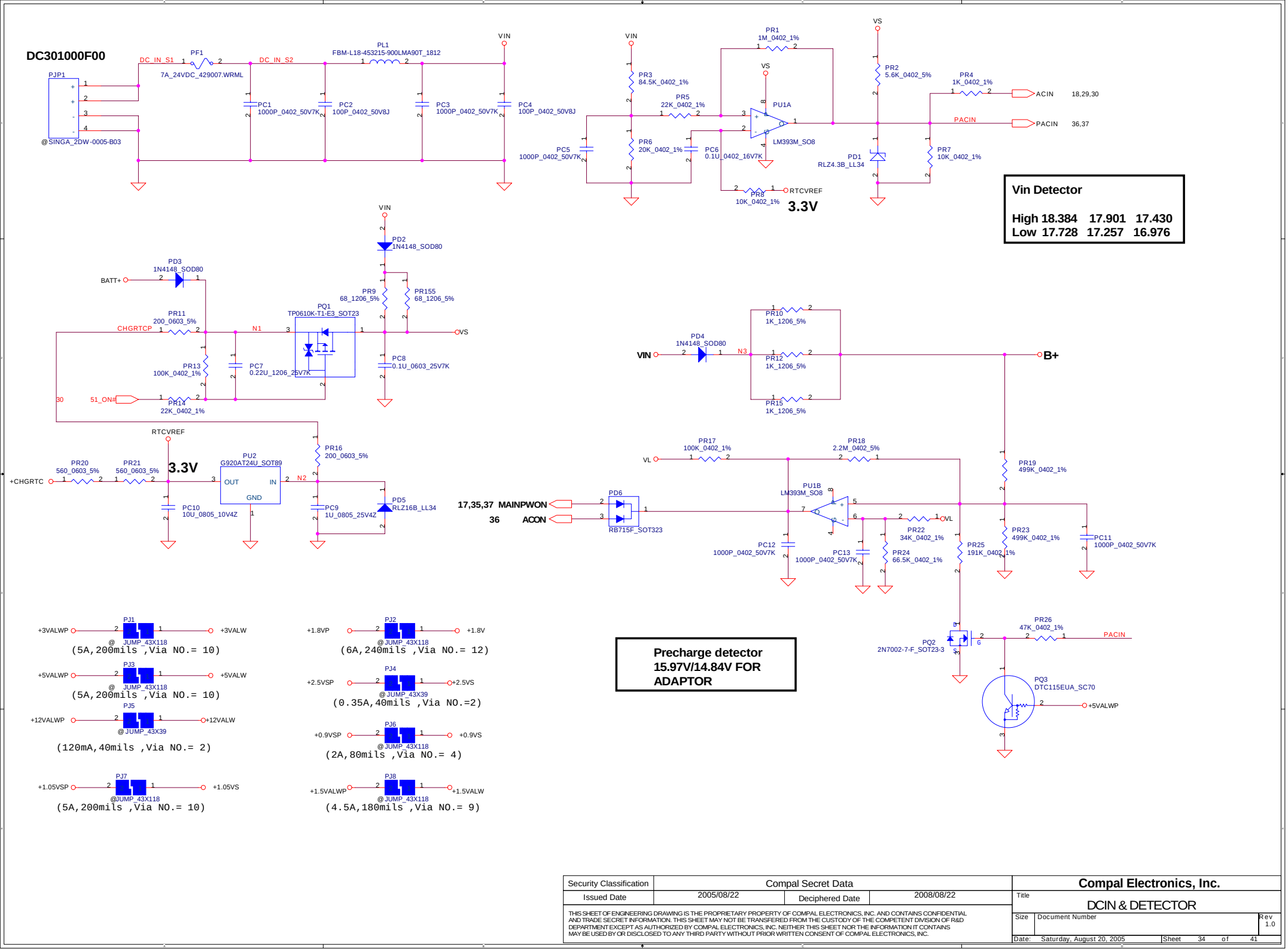
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: DC/DC Interface

Size	Document Number	Rev
	HTW00 M/B LA-2871	1.0

Date: Saturday, August 20, 2005 | Sheet 33 of 41



Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

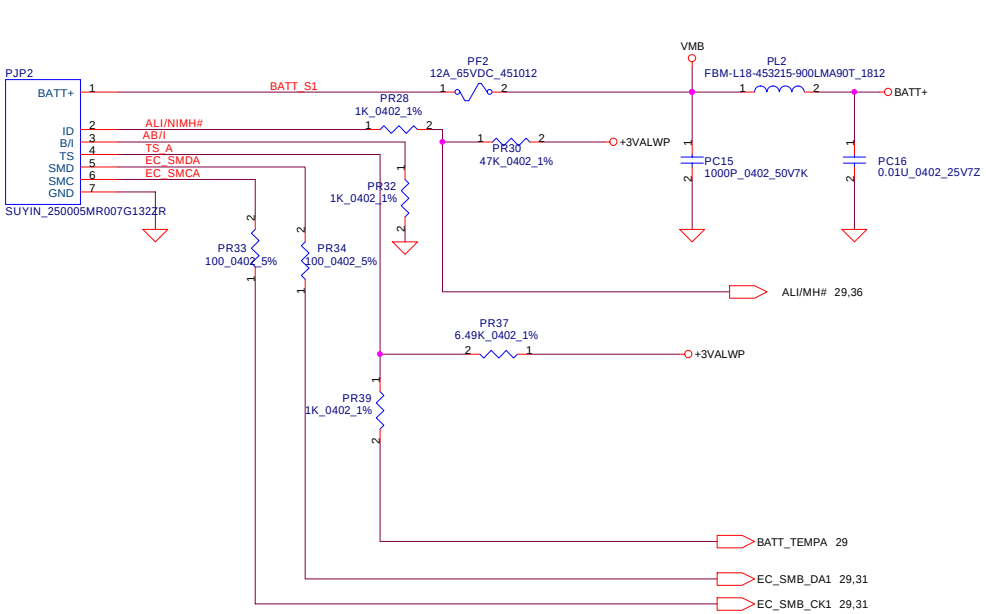
Compal Electronics, Inc.

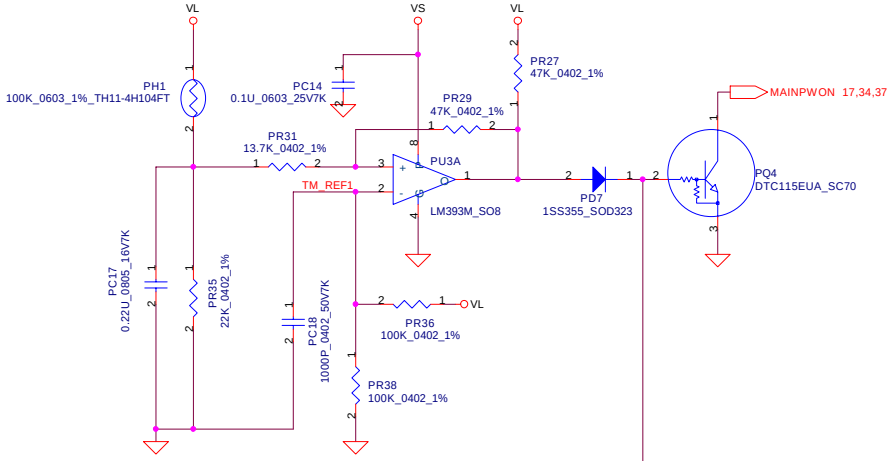
Title: DCIN & DETECTOR

Size | Document Number | Rev 1.0

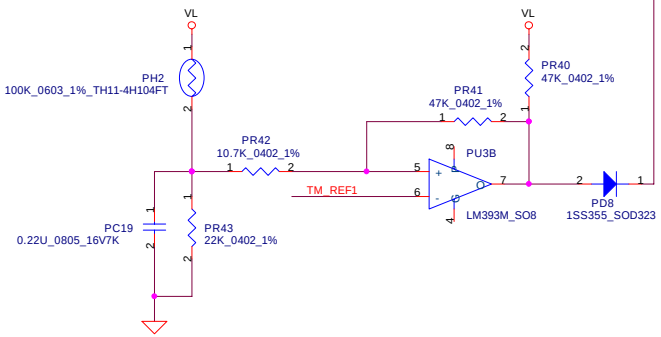
Date: Saturday, August 20, 2005 | Sheet 34 of 41

PH1 under CPU botten side :
CPU thermal protection at 84 degree C
Recovery at 45 degree C





PH2 near main Battery CONN :
BAT. thermal protection at 79 degree C
Recovery at 45 degree C



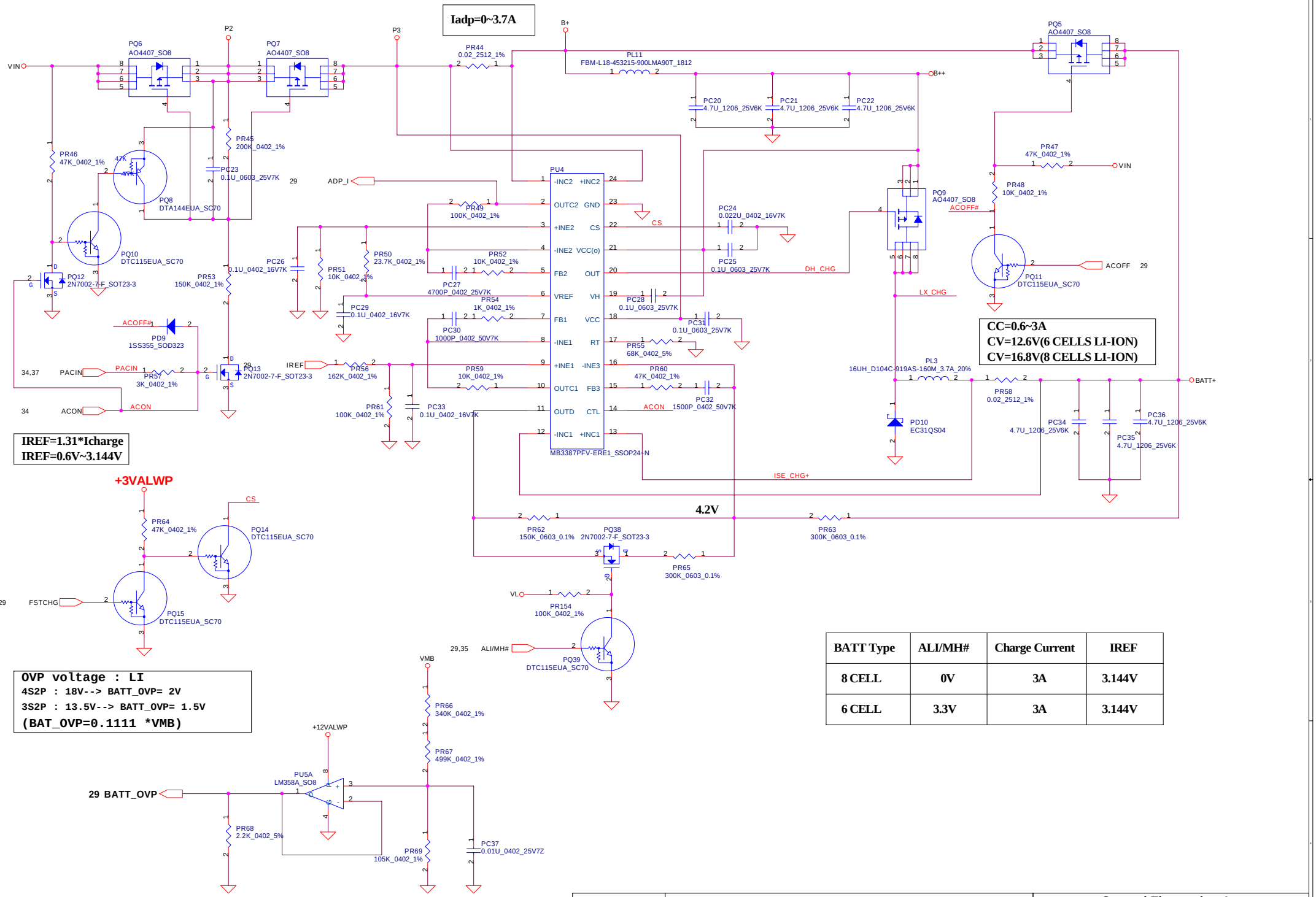
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: BATTERY CONN / OTP

Size	Document Number	Rev
		1.0

Date: Saturday, August 20, 2005 Sheet 35 of 41



BATT Type	ALI/MH#	Charge Current	IREF
8 CELL	0V	3A	3.144V
6 CELL	3.3V	3A	3.144V

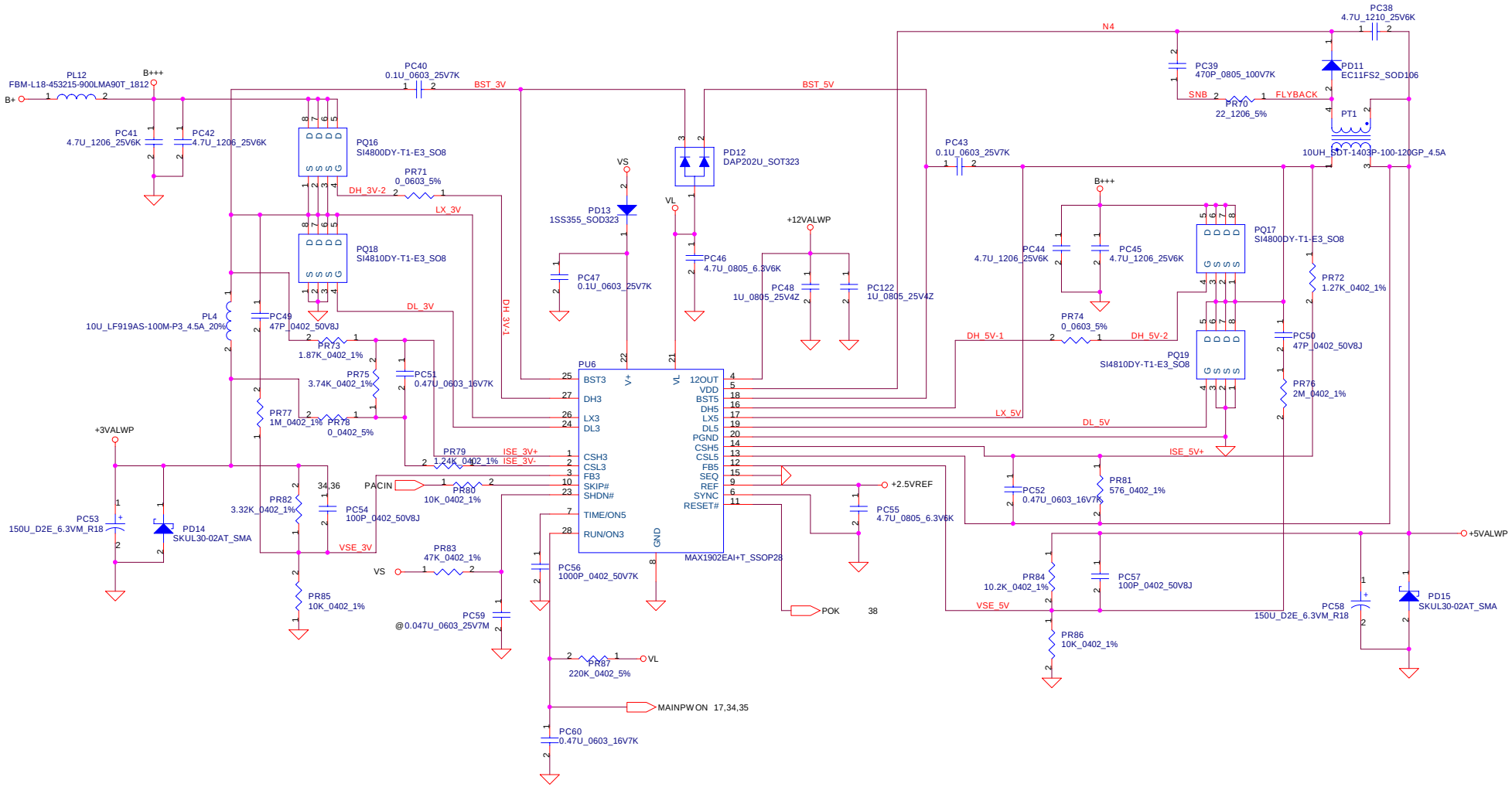
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: CHARGER

Size | Document Number | Rev 1.0

Date: Saturday, August 20, 2005 | Sheet 36 of 41



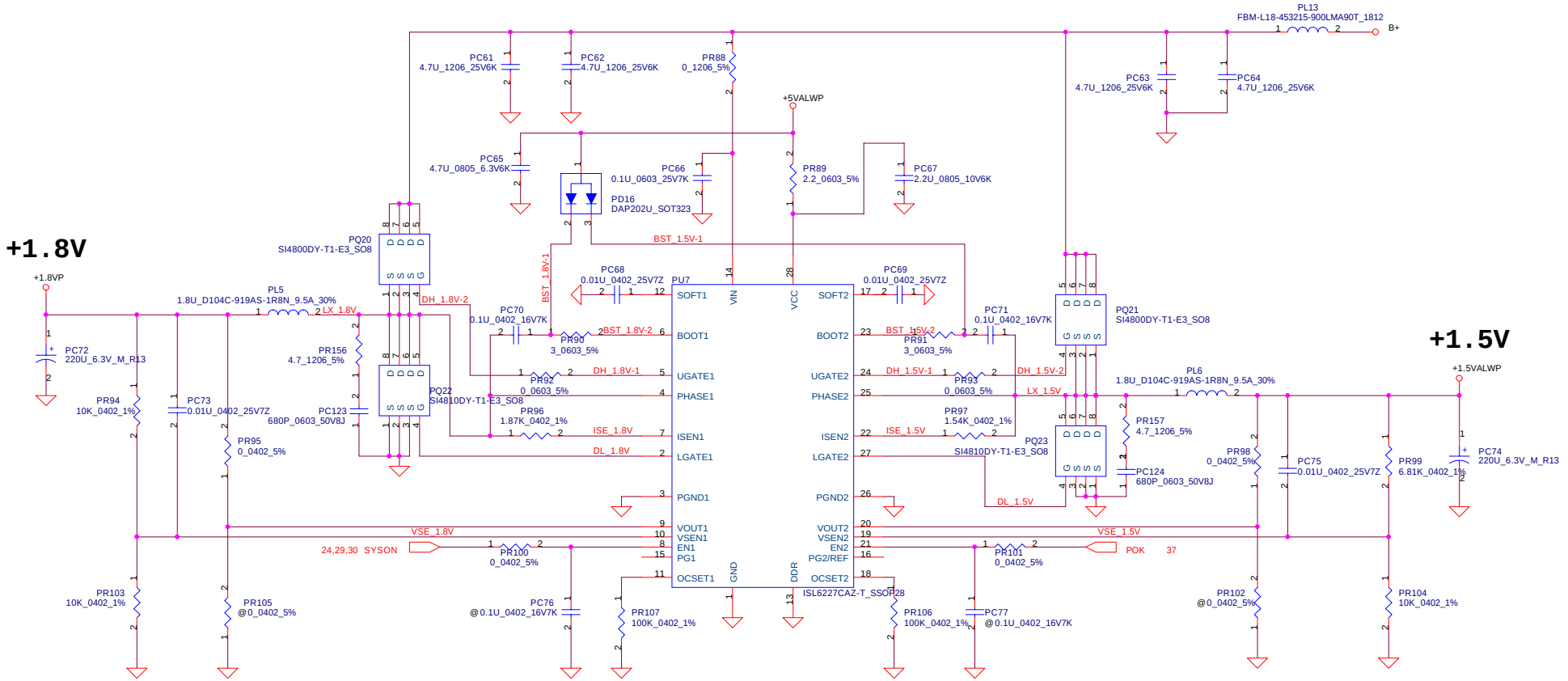
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: 3V / 5V / 12V

Size | Document Number | Rev 1.0

Date: Saturday, August 20, 2005 | Sheet 37 of 41



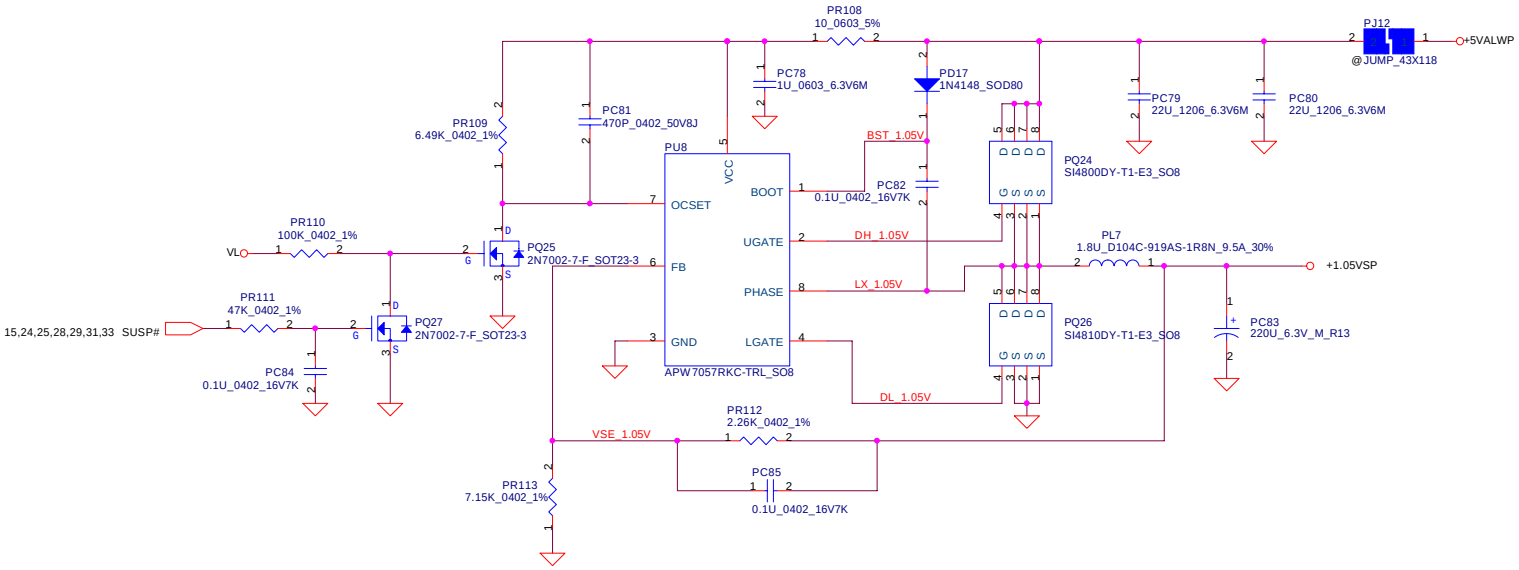
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

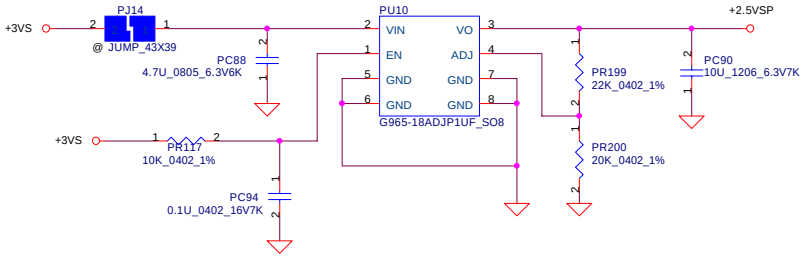
Compal Electronics, Inc.

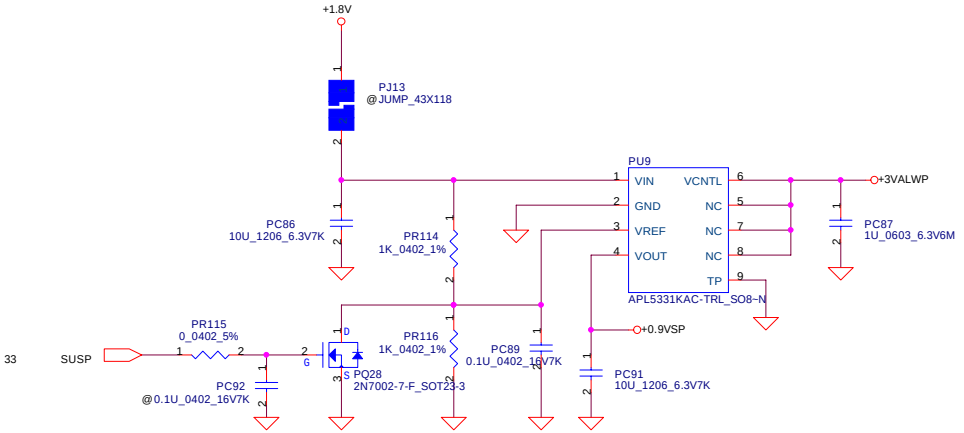
Title: 1.8V / 1.5V

Size | Document Number | Rev 1.0

Date: Saturday, August 20, 2005 | Sheet 38 of 41







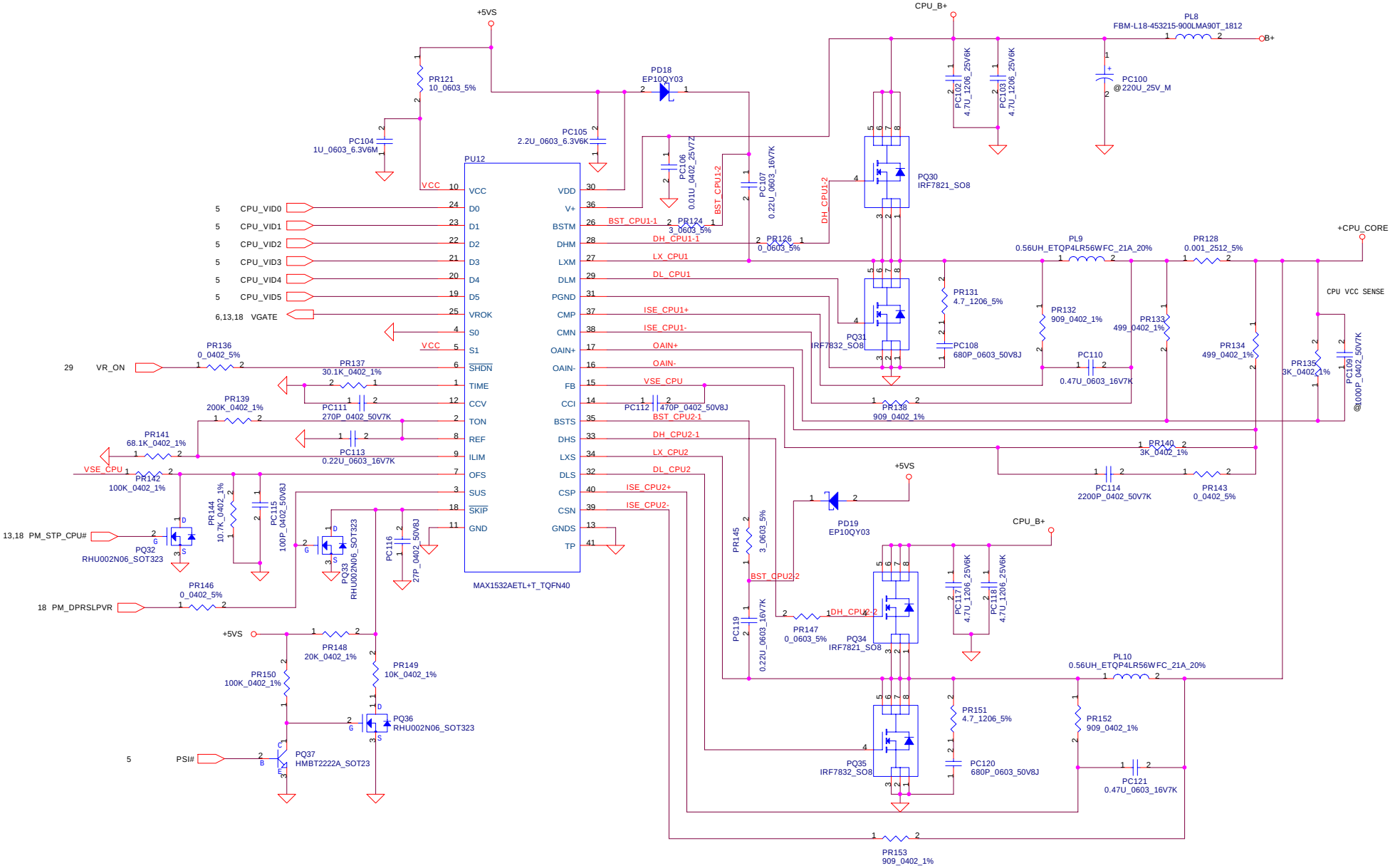
Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: 2.5V / 0.9V / 1.05V

Size	Document Number	Rev
		1.0

Date: Saturday, August 20, 2005 | Sheet 39 of 41



Security Classification	Compal Secret Data		
Issued Date	2005/08/22	Deciphered Date	2008/08/22

Compal Electronics, Inc.

Title: CPU_CORE

Size | Document Number | Rev 1.0

Date: Saturday, August 20, 2005 | Sheet 40 of 41

POWER PIR LIST

	page	Reason for change	Modify list
DVT	36,37, 38,40	For EMI request to reduce the power board band	Add bead PL11,PL12,PL13(SM010020720), add snubber 4.7ohm(SD001470B80)PR131,PR151 and 680P(SE024681J80)PC108,PC120 on CPU CORE
			Add booster resistor 3ohm(SD013300B80) PR90,PR91 on 1.8V/1.5V and PR124,PR145 on CPU CORE
	47	Reduce the high frequency noise	Change PC38 to 4.7U_1210(SE065475K80)
	34	Add design margine	Add 68ohm(SD011680A80) PR155 and change PR9 to 68ohm
PVT	39	Change +2.5VSP enable signal for HW request	Change +2.5VSP enable signal to +3VS
	40	For EMI request to reduce CPU power board band	Change PQ30,PQ34 to IRF7821(SB578210010); PQ31,PQ35 to IRF7832(SB578320010)
	40	For cost down	del PC100 and PR122,PR123,PR125,PR127,PR129,PR130

HW PIR LIST

HTW00 LA-2871 SCHEMATIC CHANGE LIST
REVISION CHANGE: 0.1 TO 0.2

NO	DATE	PAGE	MODIFICATION LIST	PURPOSE
1	5/30	P29	ADD PULL DOWN 100K_0402_5% R475 ON SUSP#	TO PREVENT SUSP# FLOATING
2	5/30	P29	ADD PULL DOWN 100K_0402_5% R476 ON SYSON	TO PREVENT SYSON FLOATING
3	6/14	P17	CHANGE C241,C251 FROM 18PF TO 15PF	FINE TUNE RTC TIMING
4	7/01	P30	CHANGE LED TYPE FROM SIDE VIEW TO TOP VIEW	UPDATE LED LIBRARY
5	7/01	P30	CHANGE KB CONNECTOR EMI CAPS TO MOUNT	FOR EMI REQUEST
6	7/01	P27	ADD SPK_SEL CONNECTION BETWEEN EC AND CODEC	FOR CODEC EQ SELECTION FOR SPEAKER
7	7/01	P29	ADD MB_ID R477,R478 ON PIN88	FOR EC MB IDENTIFY
8	7/01	P17	CHANGE SATA DC COUPLING CAPS CAPACITANCE TO 3.9nf	TO MEET INTEL CRB RECOMMAND VALUE
9	7/01	P30	CHANGE LED RESISTOR R265, R266, R270, R272, RESISTANCE	TO INCREASE LED BRIGHTNESS
10	7/01	P20	ADD SATA HDD POWER CONTROL CIRCUIT	TO RESERVE BACKUP SOLUTION FOR SATA HDD RESET
11	7/01	P28	ADD R484 FOR MIC JACK GROUND PIN CLEAN	TO IMPROVE MIC SOUND QUALITY
12	7/01	P28	CHANGE U21 LDO POWER SOURCE FROM +5VALW TO +5VS	FOR POWER TRACE LAYOUT IMPROVE

HTW00 LA-2871 SCHEMATIC CHANGE LIST
REVISION CHANGE: 0.2 TO 0.3

NO	DATE	PAGE	MODIFICATION LIST	PURPOSE
1	8/6	P28	CHANGE U21 PIN 4 FROM +5VS TO +5VALW	TO PREVENT NOISE FROM HDD SPIN UP
2	8/6	P15	CHANGE R306, R307 FROM RES TO BEAD	FOR EMI REQUEST
3	8/6	P21	CHANGE U2 FROM H-50P (H=2mm) TO TS6121C (H=4mm)	FOR COST POINT OF VIEW
4	8/6	P23	CHANGE D19 LED COLOR FROM GREEN TO BLUE	CUSTOMER SPEC CHANGE
5	8/6	P09	ADD R488 0_0603 BETWEEN +2.5VS_CRTDAC TO +2.5VS	TO IMPROVE CRT VIDEO QUALITY
6	8/6	P29	ADD PULL HIGH RES R487 ON PIN176 FOR WW/JPN# SELECT	TO CONTROL M/B CONFIURATION
7	8/6	P30	CHANGE D15,D18,D40,D42 LED COLOR FROM GREEN TO BLUE	CUSTOMER SPEC CHANGE

HTW00 LA-2871 SCHEMATIC CHANGE LIST
REVISION CHANGE: 0.3 TO 1.0

NO	DATE	PAGE	MODIFICATION LIST	PURPOSE
1	8/22	P20	CHANGE C661,C662,Q44,Q45,Q47,Q48,R411,R479,R480,R482 ,R483 FROM MOUNT TO RESERVE	REMOVE SATA-HDD POWER RESET FUNCTION FOR SW REQUEST
		P18	CHANGE D38,R485 FROM MOUNT TO RESERVE	
2	8/22	P28	CHANGE R459 RESISTANCE FROM 4.53K TO 3.9K CHANGE R463 RESISTANCE FROM 4.22K TO 6.19K CHANGE R462 RESISTANCE FROM 4.87K TO 3.3K	TO REDUCE HEAD PHONE GAIN SETTING
3	8/22	P31	CHANGE JP4 AND JP6 VENDOR FROM ACES TO MANUNIX	FOR CUSTOMER'S REQUEST
4	8/22	P31	RESERVE JP31	FOR TEST ABILITY