

# Compal Confidential

Model Name :  
File Name : LA-8671P

# Compal Confidential

## TN-Note Schematic Document

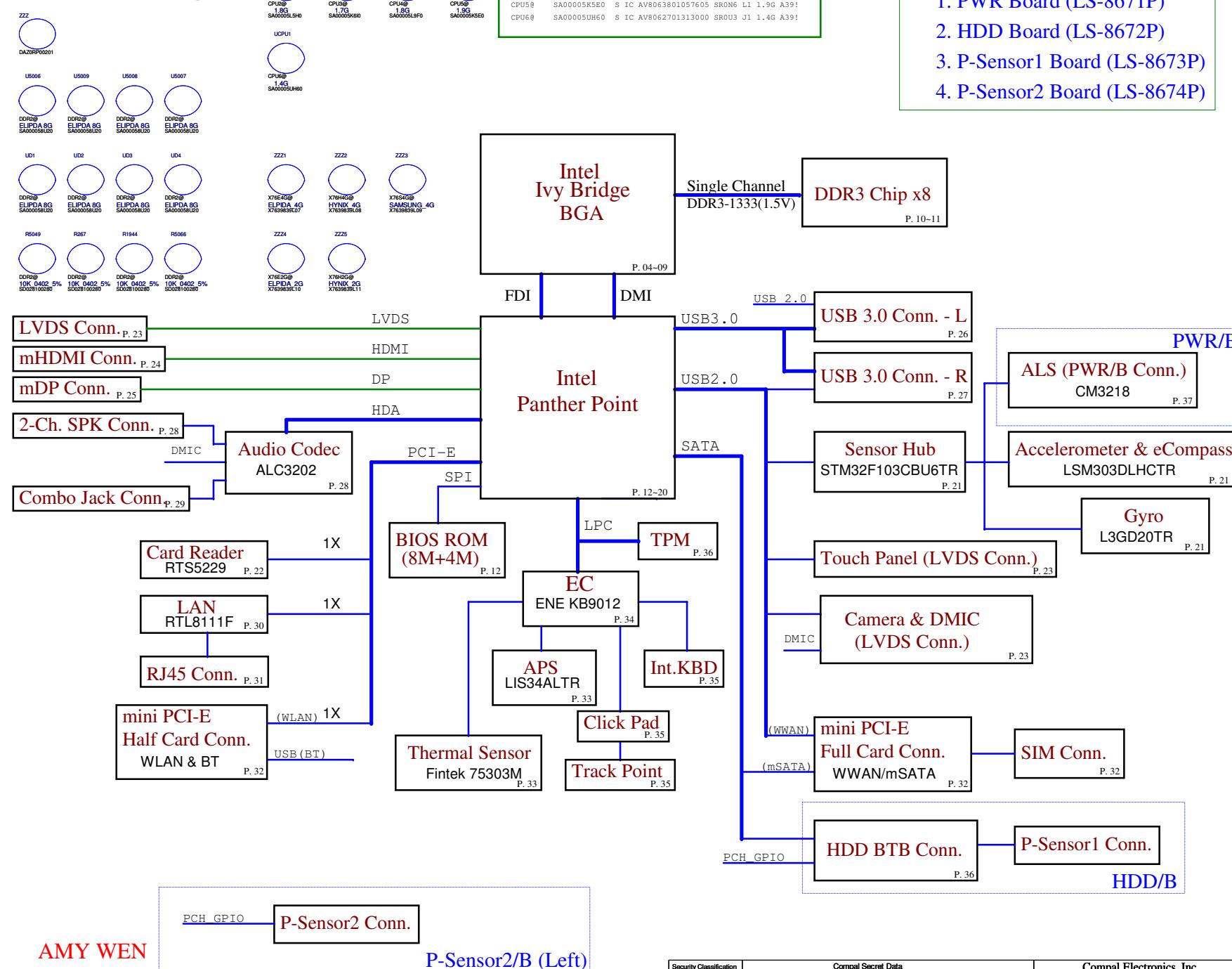
2012-10-04

REV:1A\_1004A

AMY WEN

Compal Secret Data				Compal Electronics, Inc.	
Security Classification	Issued Date	Deciphered Date	2012/08/25	Title	Cover Page
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.	Size Custom	Document Number LA-8671P_SDV	Rev 1A	Date: Thursday, October 04, 2012 Sheet 1 of 50	

**Compal Confidential**  
Model Name : TN-Note  
File Name : Block Diagram



**Sub-board**

1. PWR Board (LS-8671P)
2. HDD Board (LS-8672P)
3. P-Sensor1 Board (LS-8673P)
4. P-Sensor2 Board (LS-8674P)

AMY WEN

WWW.Vinax.vn

Security Classification	Compal Secret Data	Compal Electronics, Inc.
Issued Date	2010/08/25	Deciphered Date
Document Number	LA-8671P.SDV	Title

THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IT MAY NOT BE COPIED, REPRODUCED, OR DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. NOR MAY IT BE USED BY ANY OTHER PARTY WITHIN OR WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.

## Voltage Rails

Power plane						
State	+B	+5VALW +3VALW	+1.5V	+3VM +1.05VM	+5VS +3VS +1.8VS +1.5VS +1.05VS +VCC_GFXCORE_AXG +CPU_CORE +VCCSA +0.75VS	
S0	O	O	O	O	O	
S3	O	O	O	O	X	
M3	O	O	O	O	X	
S4/S5 - AC	O	O	X	X	X	
S4/S5 - BATT ONLY	O	X	X	X	X	
S4/S5 - NO AC & BATT	X	X	X	X	X	

STATE \ SIGNAL	SLP_S3#	SLP_S4#	SLP_S5#	+VALW	+V	+VS
Full ON	H	H	H	ON	ON	ON
S3 (Suspend to RAM)	L	H	H	ON	ON	OFF
S4 (Suspend to Disk)	L	L	H	ON	OFF	OFF
S5 (Soft OFF)	L	L	L	ON	OFF	OFF

## BOARD ID Table

Board ID	PCB Revision
0	0.1
1	0.2
2	0.3
3	0.4
4	0.5
5	
6	
7	

## EC SM Bus1 address

Device	Address	HEX	Device	Address	HEX
Smart Battery	0001-011xb	16H	Thermal sensor	1001-101xb	9AH
Charger	0001-0010b	12H	PCH (SML1DATA / GPIO75)	1001-0110 b	96H

## EC SM Bus2 address

## SM Bus Controller

Device	Address	HEX
Security Rom	1010-100xb	A8 H
DDR DIMM0	1010-000xb	A0 H

## SM Bus Controller 0

Device	Address	HEX
No-use	No-use	No-use

## Sensor HUB

Device	Address	HEX
ALS	0100-100xb	48h
APS	0011-001xb	32h
Gyroscope	0110-101xb	6Ah
e-Compass	0011-110xb	3Ch

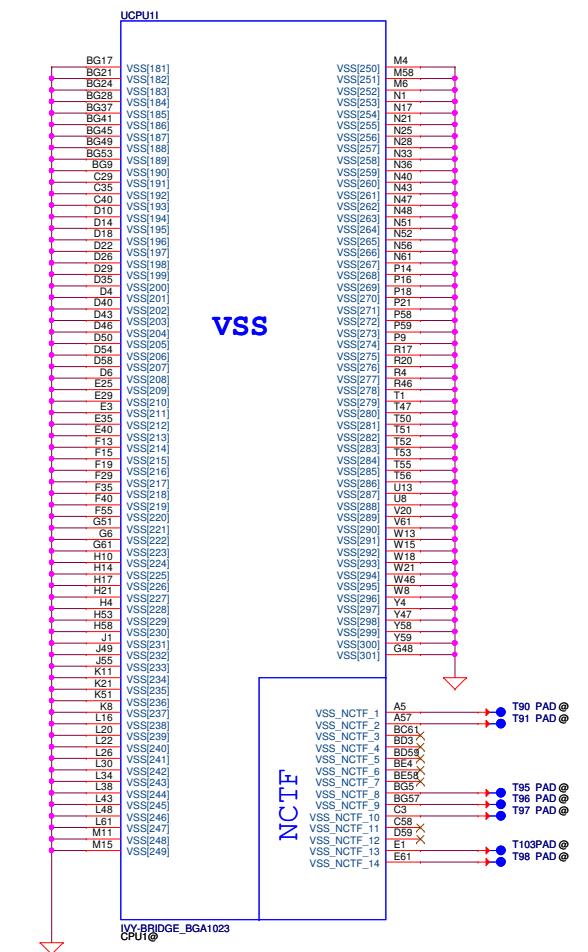
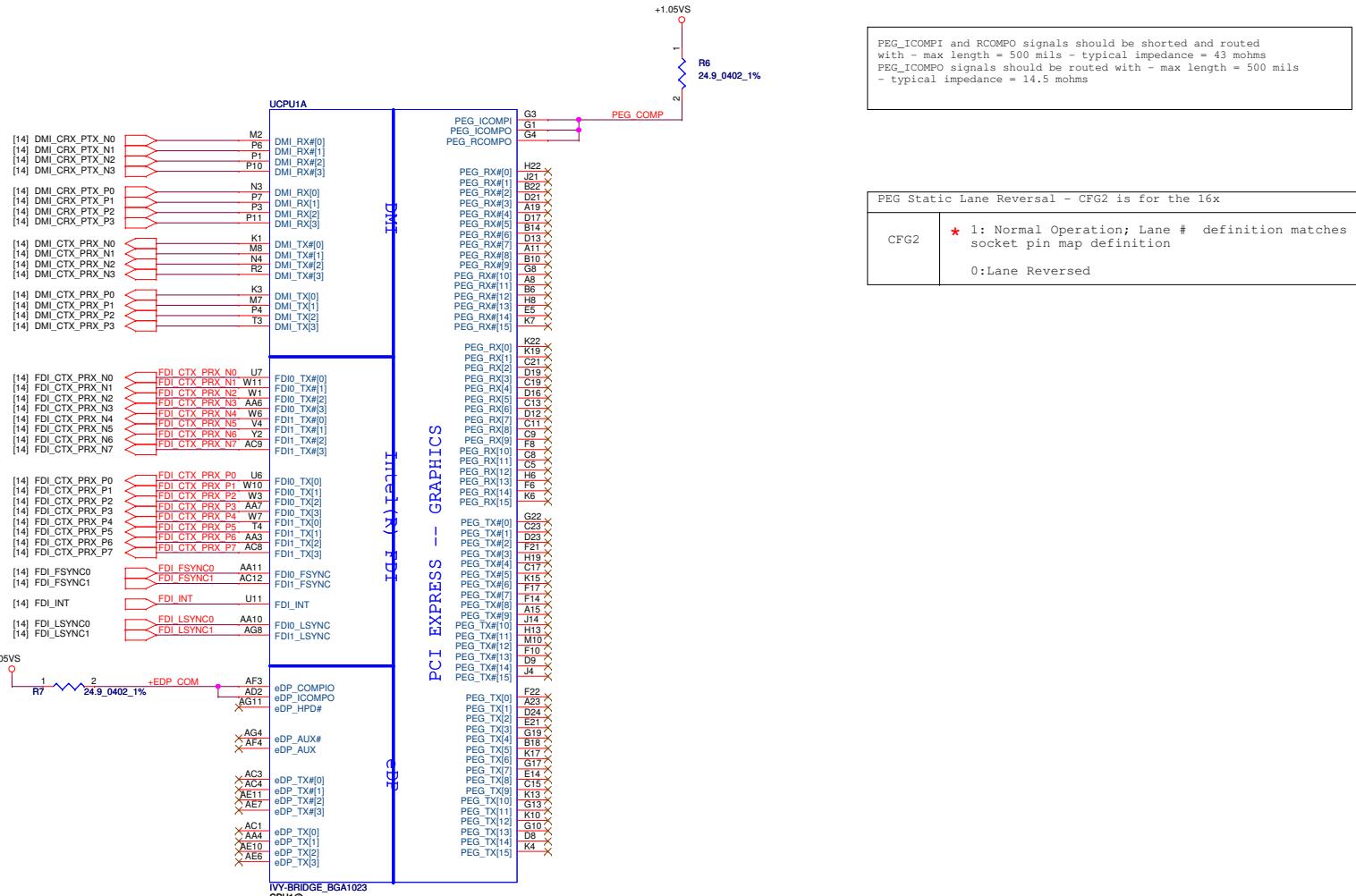
USB3.0	USB2.0	NOTE
1	0	
2	1*	USB3.0/2.0 Conn
3	2	USB3.0/2.0 Conn
4	3	
4		Sensor Hub
5		USB Camera
6		X
7		X
8		Touch Panel
9*		WWAN
10		WLAN
11		Finger Printer**
12		
13		Bluetooth**

\* Debug Port

\*\* Not Use

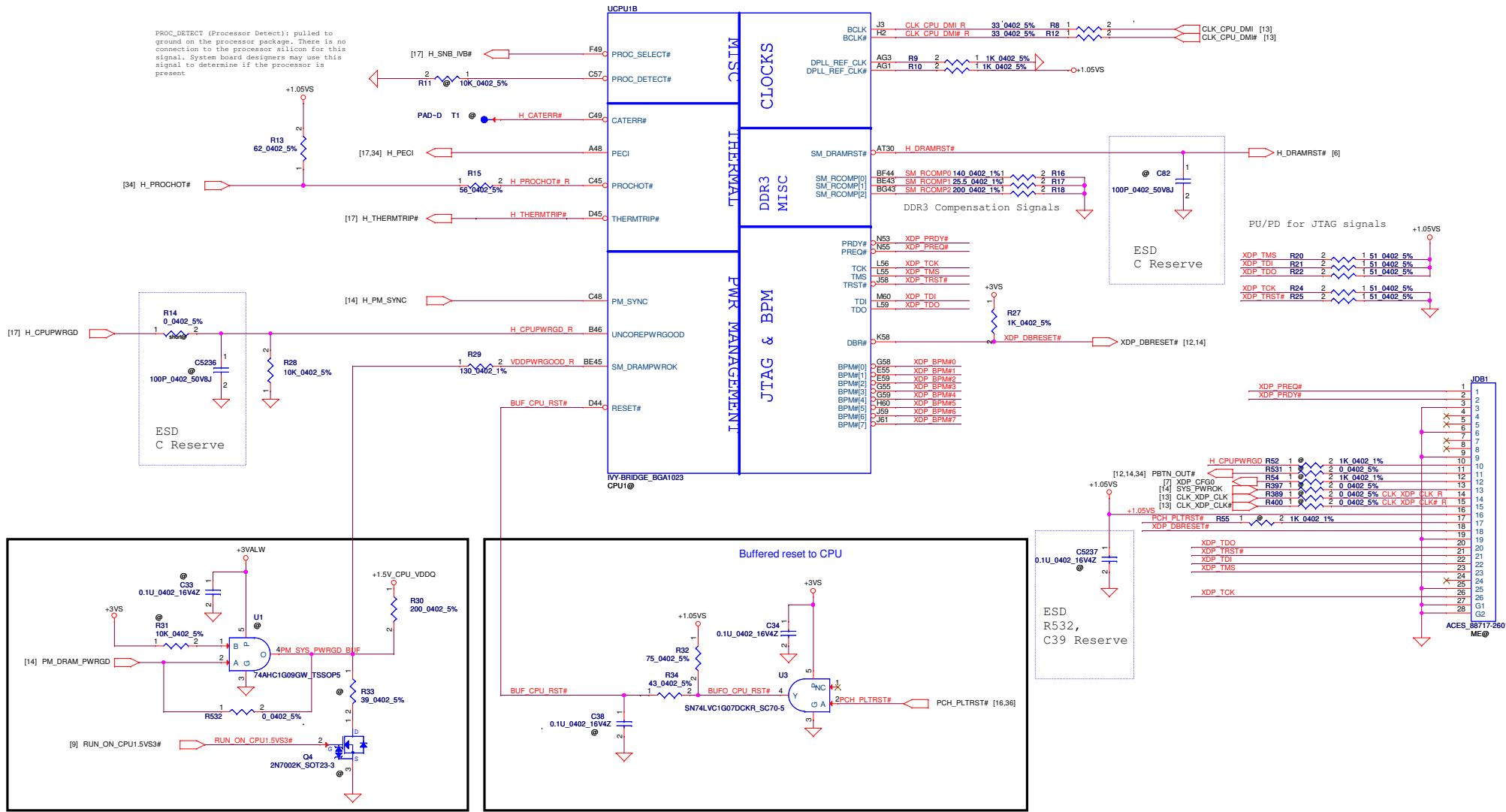
AMY WEN

Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title
Cover Sheet				Document Number
				LA-8671P
Custom				Rev 1A
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPALELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF THE DEPARTMENT OF RESEARCH AND DEVELOPMENT OF COMPALELECTRONICS, INC. WITHOUT THE WRITTEN CONSENT OF COMPALELECTRONICS, INC. MAY NOT BE USED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPALELECTRONICS, INC.				Date: Thursday, October 04, 2012
				Sheet 3 of 50



Compal Secret Data			
Security Classification	Issued Date	Deciphered Date	2013/05/16
	2011/05/16		

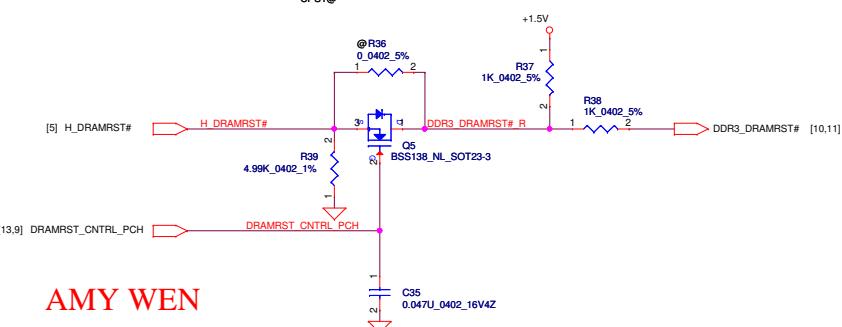
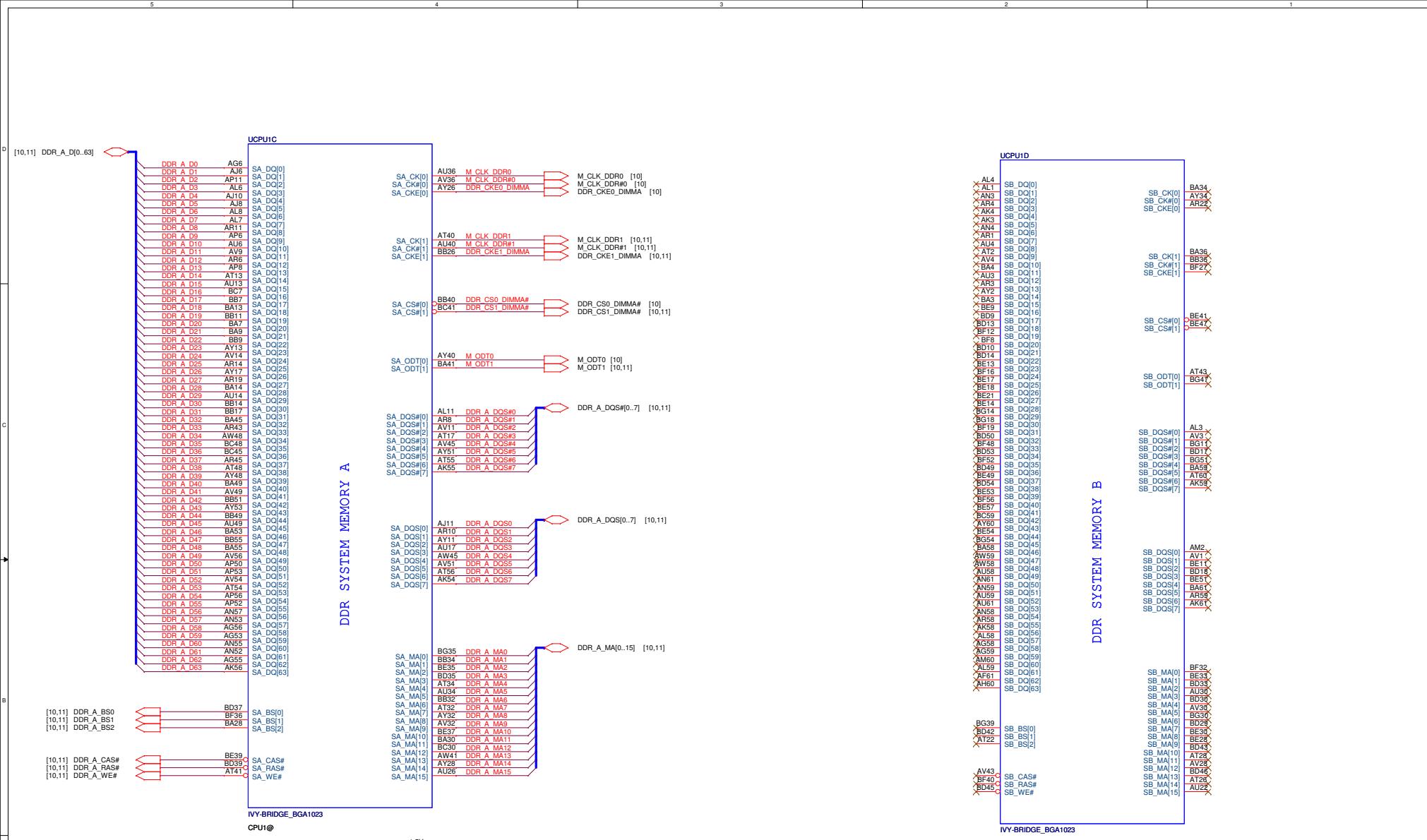
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.



AMY WEN

WWW.VINAUX.VN

Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title	PROCESSOR(2/6) PM,XDP,CLK	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED EXCEPT WITH THE WRITTEN CONSENT OF THE COMPETENT DIVISION OF R&D DEPARTMENT OR EXCEPT AS APPROVED BY COMPAL ELECTRONICS, INC. THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE PROPER WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number	Rev
				Custom	LA-8671P SDV	1.0
				Date:	Thursday, October 04, 2012	Sheet 5 of 50

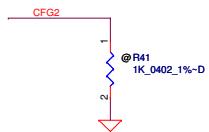
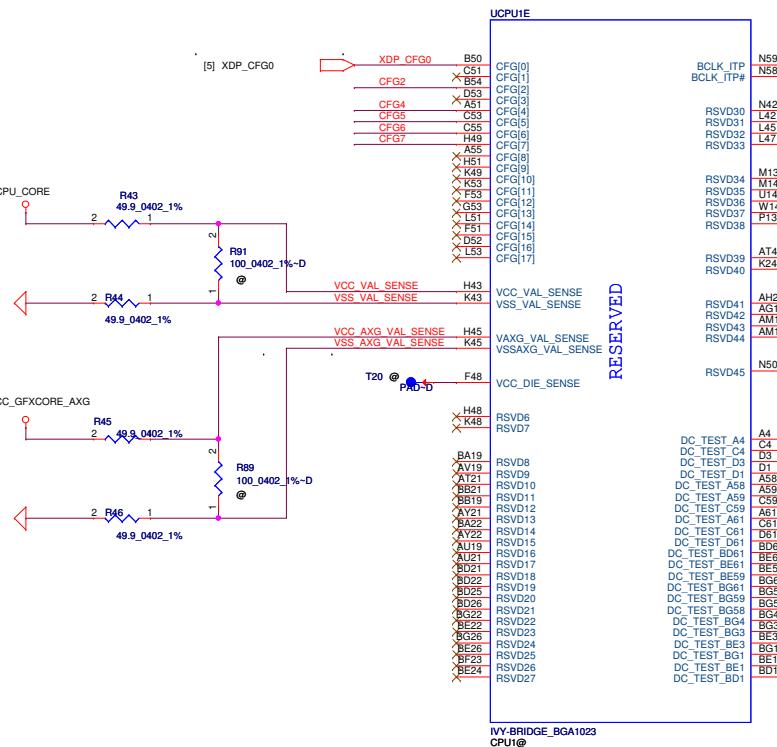


AMY WEN

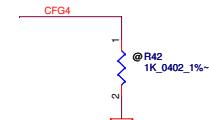
Issued Date 2011/05/16 Deciphered Date  
THIS SHEET OF ENGINEERING DRAWINGS IS THE PROPERTY OF COMBAL ELECTRONICS LTD. NO COPIES MAY BE MADE IN WHOLE OR PART, OR ANY PORTION THEREOF, EXCEPT AS AUTHORIZED BY COMBAL ELECTRONICS, INC. WHETHER ON GROUNDS OF CONFIDENTIALITY OR OTHERWISE. THIS SHEET MAY NOT BE USED BY ONE PERSON TO MAKE ANY OTHER COPY, WHETHER WHOLE OR PART, OR ANY PORTION THEREOF, UNLESS WRITTEN CONSENT IS OBTAINED FROM COMBAL ELECTRONICS, INC.

Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title	PROCESSOR(3/6) DDRIII	
<small>THIS SHEET OF ENGINEERING DRAWING IS THE PROPERTY BY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL INFORMATION. THIS SHEET MAY NOT BE COPIED OR USED EXCEPT AUTHORIZED BY COMPAL ELECTRONICS, INC. IN EITHER THE FORM OR INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.</small>						
Document Number	LA-8671P. SDV	Custom	Date:	Thursday, October 04, 2012	Sheet	6 of 50

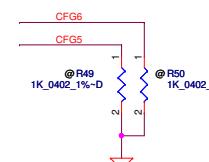
## CFG Straps for Processor



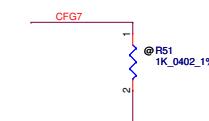
CFG2	*1: (Default) Normal Operation; Lane # definition matches socket pin map 0: Lane Reversed
------	--



CFG4	* 1 : Disabled; No Physical Display Port attached to Embedded Display Port 0 : Enabled; An external Display Port device is connected to the Embedded Display Port
------	--



CFG[6:5]	*11: (Default) x16 - Device 1 functions 1 and 2 disabled 10: x8, x8 - Device 1 function 1 enabled ; function 2 disabled 01: Reserved - (Device 1 function 1 disabled ; function 2 enabled) 00: x8,x4,x4 - Device 1 functions 1 and 2 enabled
----------	---

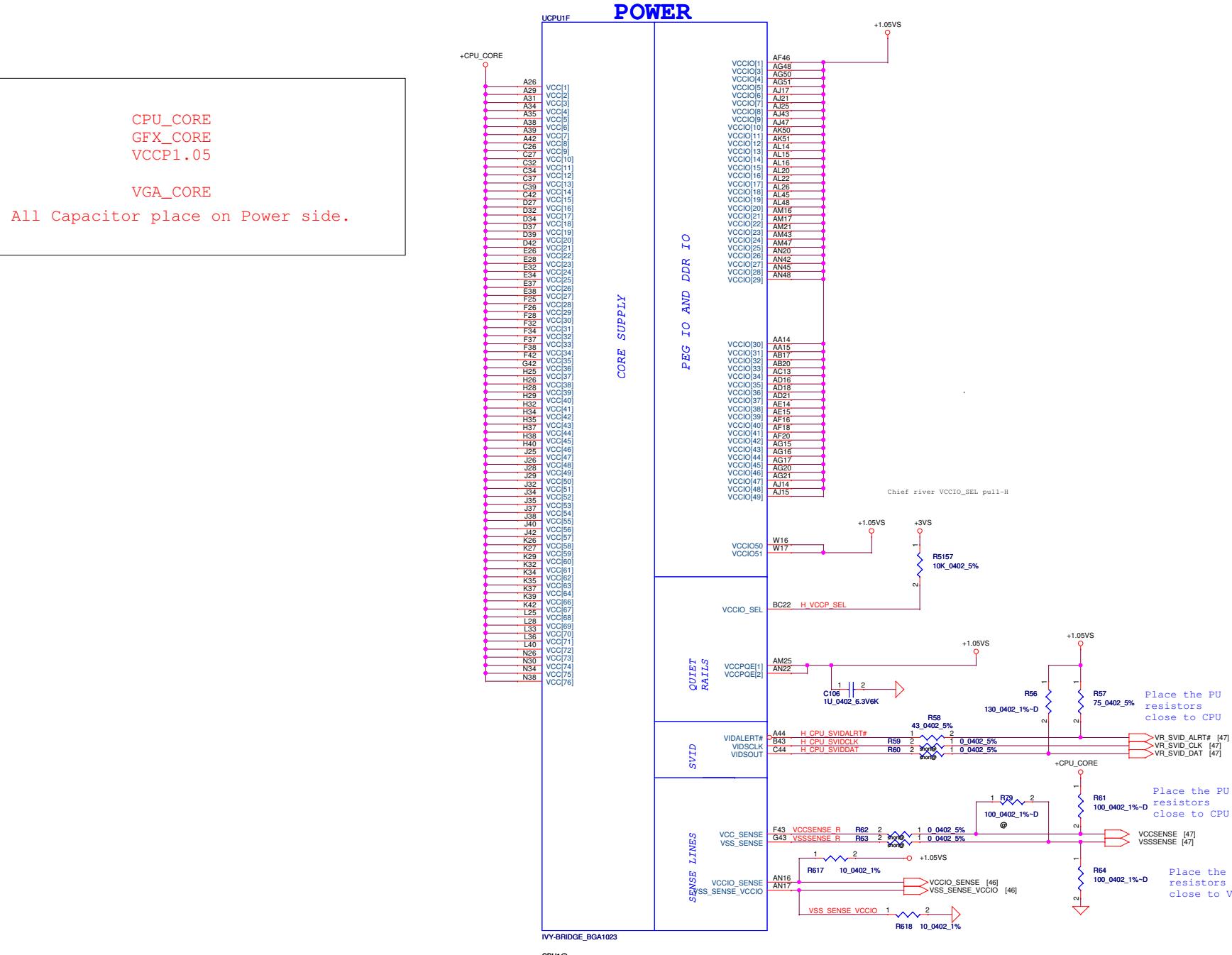


CFG7	*1: (Default) PEG Train immediately following xxRESETB de assertion 0: PEG Wait for BIOS for training
------	--

AMY WEN

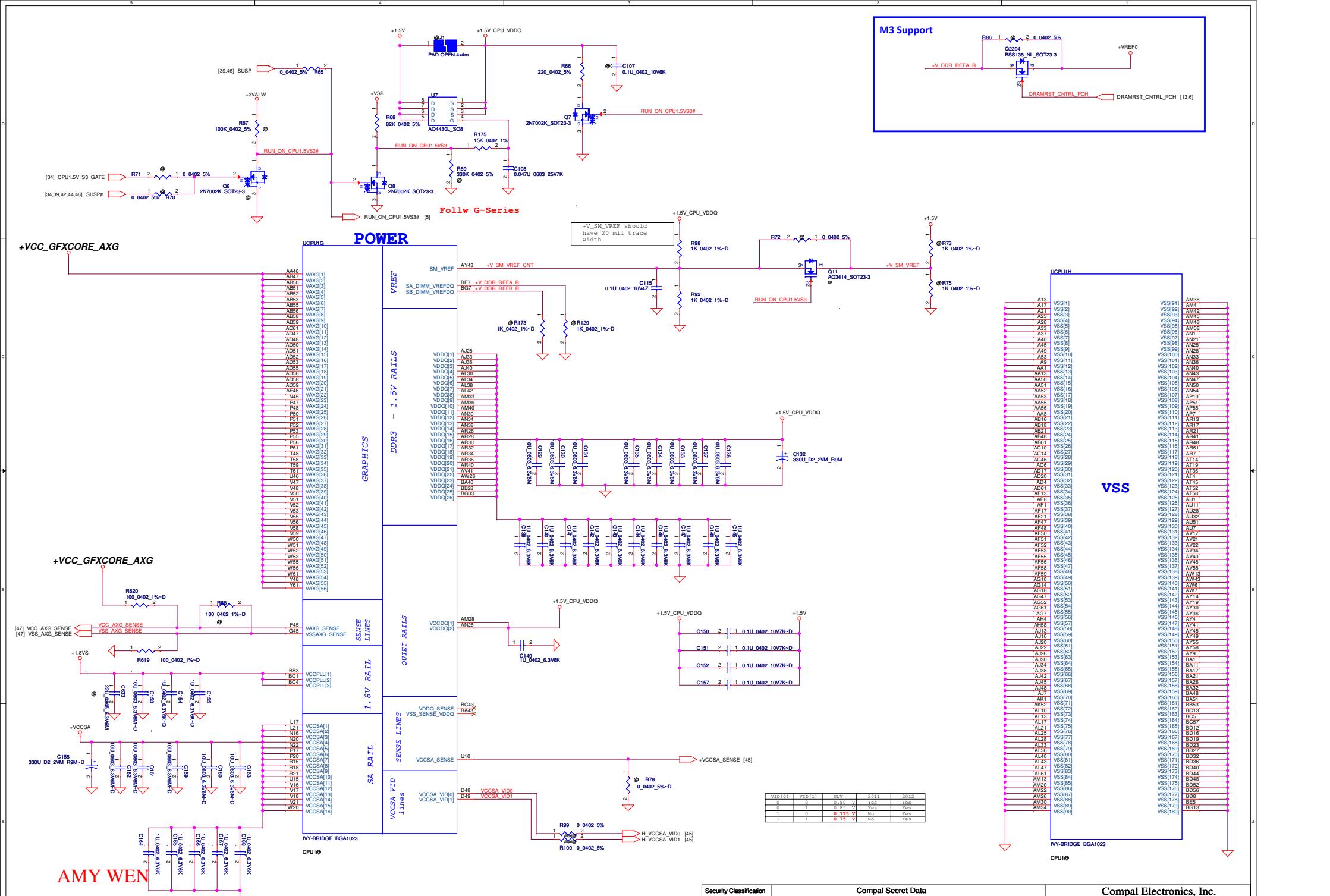
www.vinamix.vn

Security Classification	Compaq Secret Data	Compaq Electronics, Inc.
Issued Date	2011/05/16	Deciphered Date 2013/05/16
<b>PROCESSOR(4/6) RSVD,CFG</b>		
THIS SHEET OF ENGINEERING DRAWING IS THE PROPERTY BY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AT AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OTHERS, OR COPIED OR REPRODUCED IN WHOLE OR IN PART, WITHOUT WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.		
Document Number LA-8671P SDV Rev 1.0		
Date: Thursday, October 04, 2012 Sheet 7 of 50		

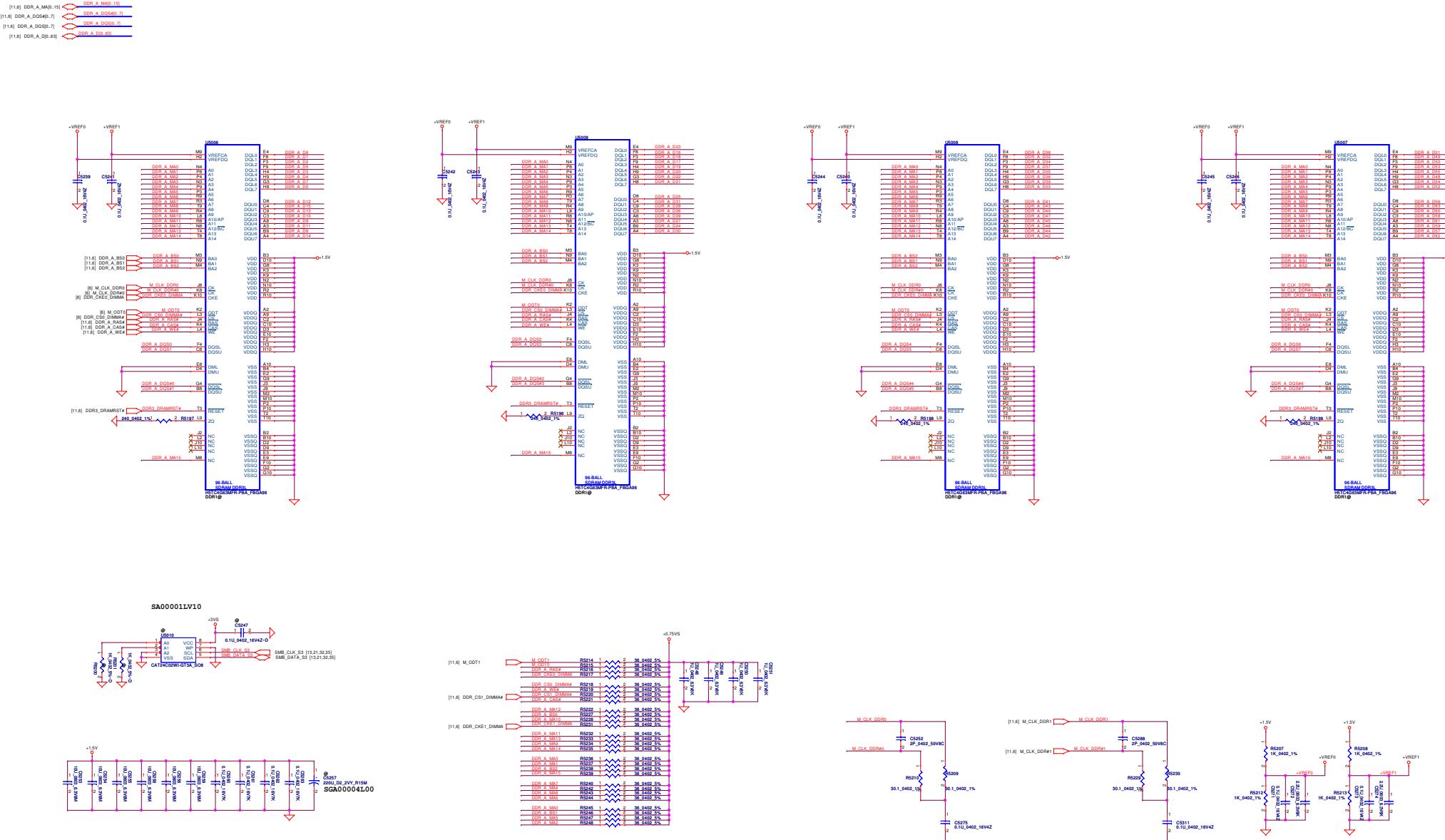


AMY WEN

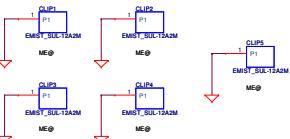
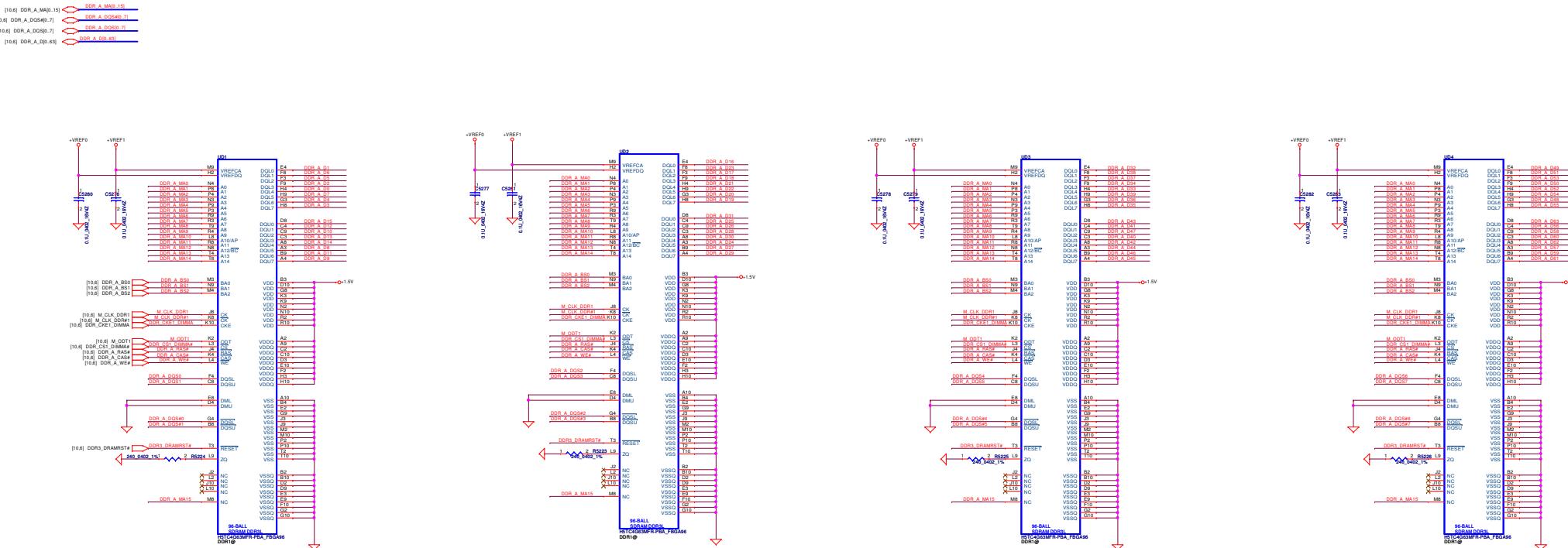
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAK ELECTRONICS.  
ALL THE SECRET INFORMATION ON THIS SHEET MAY NOT BE USED OR DISCLOSED OUTSIDE THE COMPANY  
DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAK ELECTRONICS. IN ADDITION, NEITHER THE SHEET NOR THE  
INFORMATION CONTAINED THEREON MAY BE USED BY OTHERS, DISCLOSED TO ANYONE, OR REPRODUCED, WRITTEN, OR ORAL,  
IN WHOLE OR IN PART, WITHOUT PRIOR WRITTEN CONSENT OF COMPAK ELECTRONICS.



[www.vinaxif.vn](http://www.vinaxif.vn)



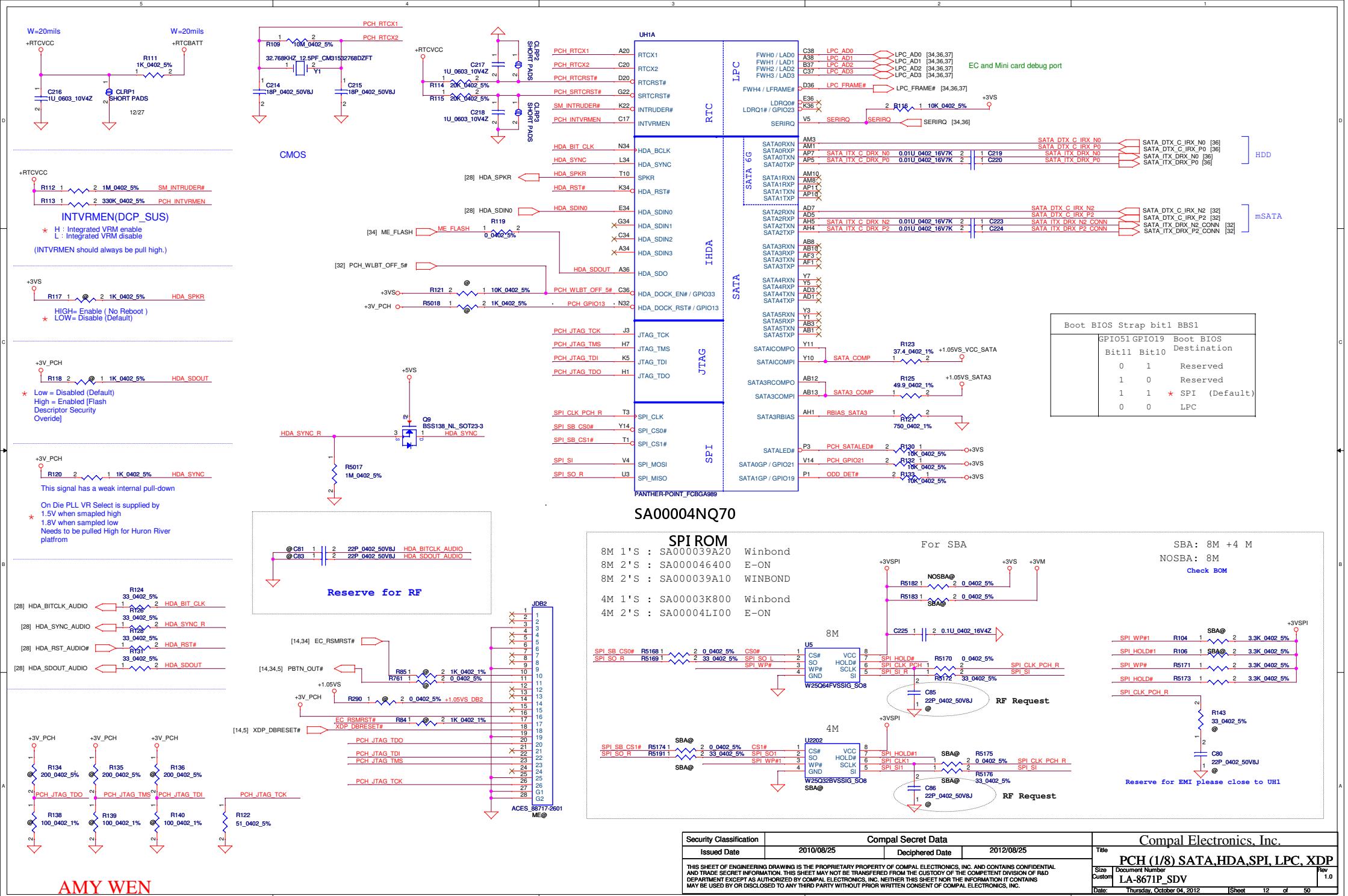
Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title	DDR3I A Chip 2GbT X16-I	
This sheet of engineering drawing is the proprietary property of Compal Electronics, Inc. and contains confidential and trade secret information. This sheet may not be transferred from the custody of the competent designer or head engineer without the written permission of the head engineer. Any unauthorized copying, distribution, or disclosure may be used by or disclosed to any third party without prior written consent of Compal Electronics, Inc.	Document ID:	LA-8671P	Date:	2013/05/16	Page:	10 of 50

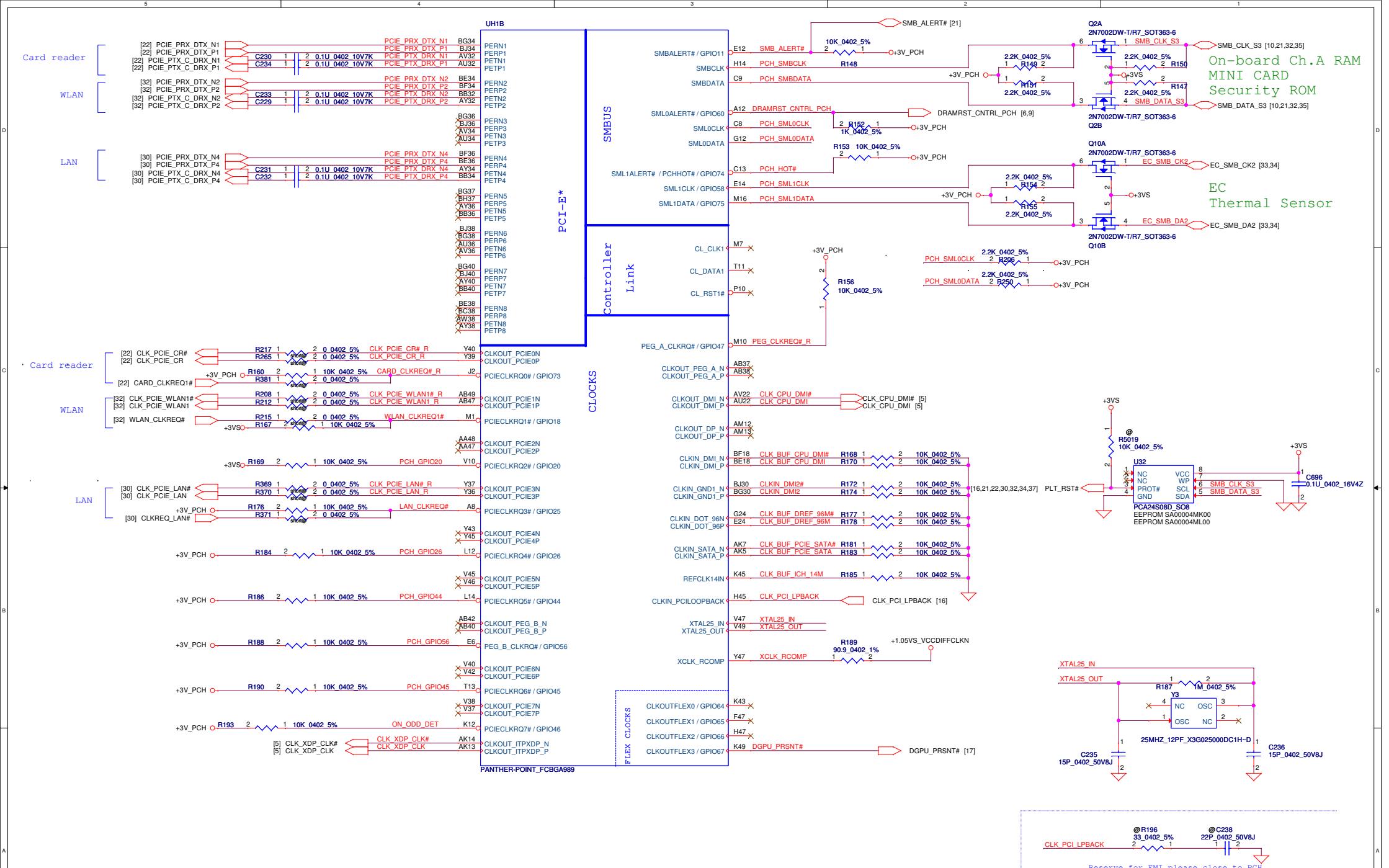


Security Classification	Compal Secret Data	Compal Electronics, Inc.
Issued Date	2011/05/16	Deciphered Date 2013/05/16
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAI ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IT MUST NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPANY UNLESS APPROVED IN WRITING BY THE COMPANY'S GENERAL COUNSEL. THIS SHEET OF DRAWINGS AND THE INFORMATION CONTAINED THEREIN MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAI ELECTRONICS, INC.		
Rev. 1.0 Document Revision Date: 2013/05/16 Title: DDRIII A Chip 20bit X16-II Part No: LA-8671P SDV Date: Thursday, October 24, 2013 Sheet 11 of 30		

AMY WEN

www.vinafix.vn

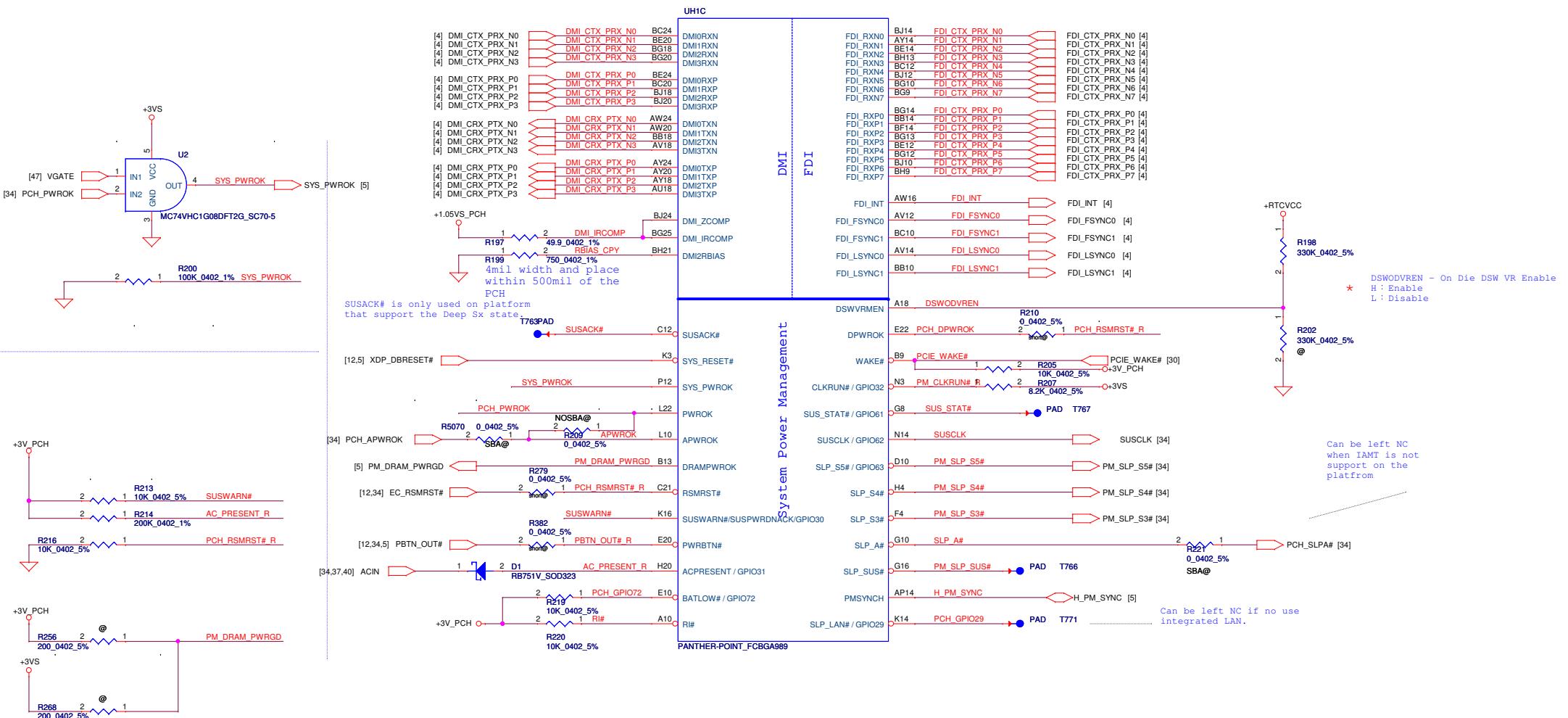




AMY WEN

AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE DEFECTIVE PART AT ANY TIME. DYNATEK ELECTRONICS, INC. RETAINS OWNERSHIP OF THIS SHEET. THIS SHEET MAY NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT.

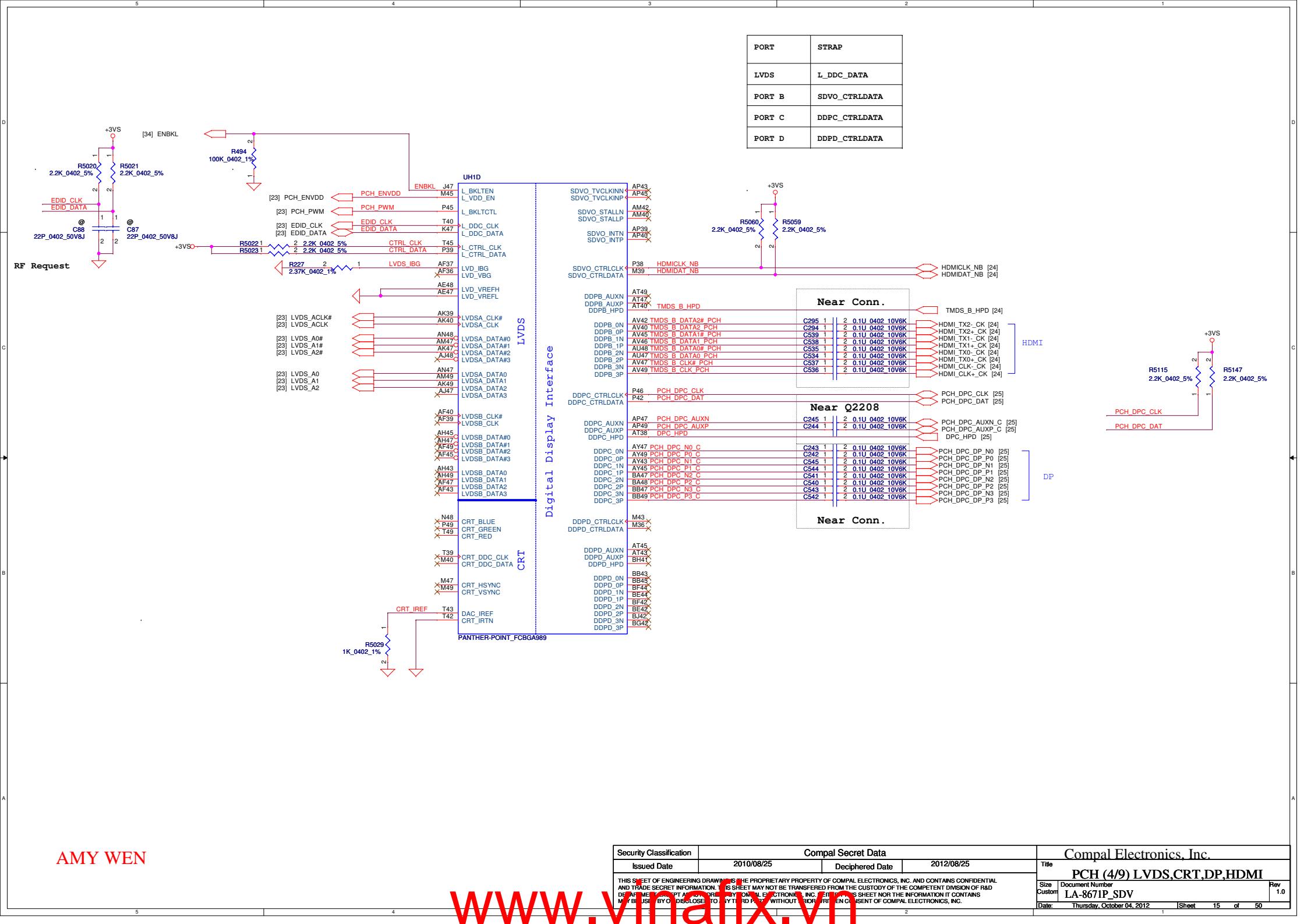
Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title	PCH (2/8) PCIE, SMBUS, CLK	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT OF COMPAL ELECTRONICS, INC. TO ANY OTHER PERSON OR COMPANY. THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OTHERS TO DISCLOSE TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.	Size	Document Number	Rev			
	Custom	LA-8671P_SDV	1.0			
	Date:	Thursday, October 04, 2012	Sheet	13	of	50

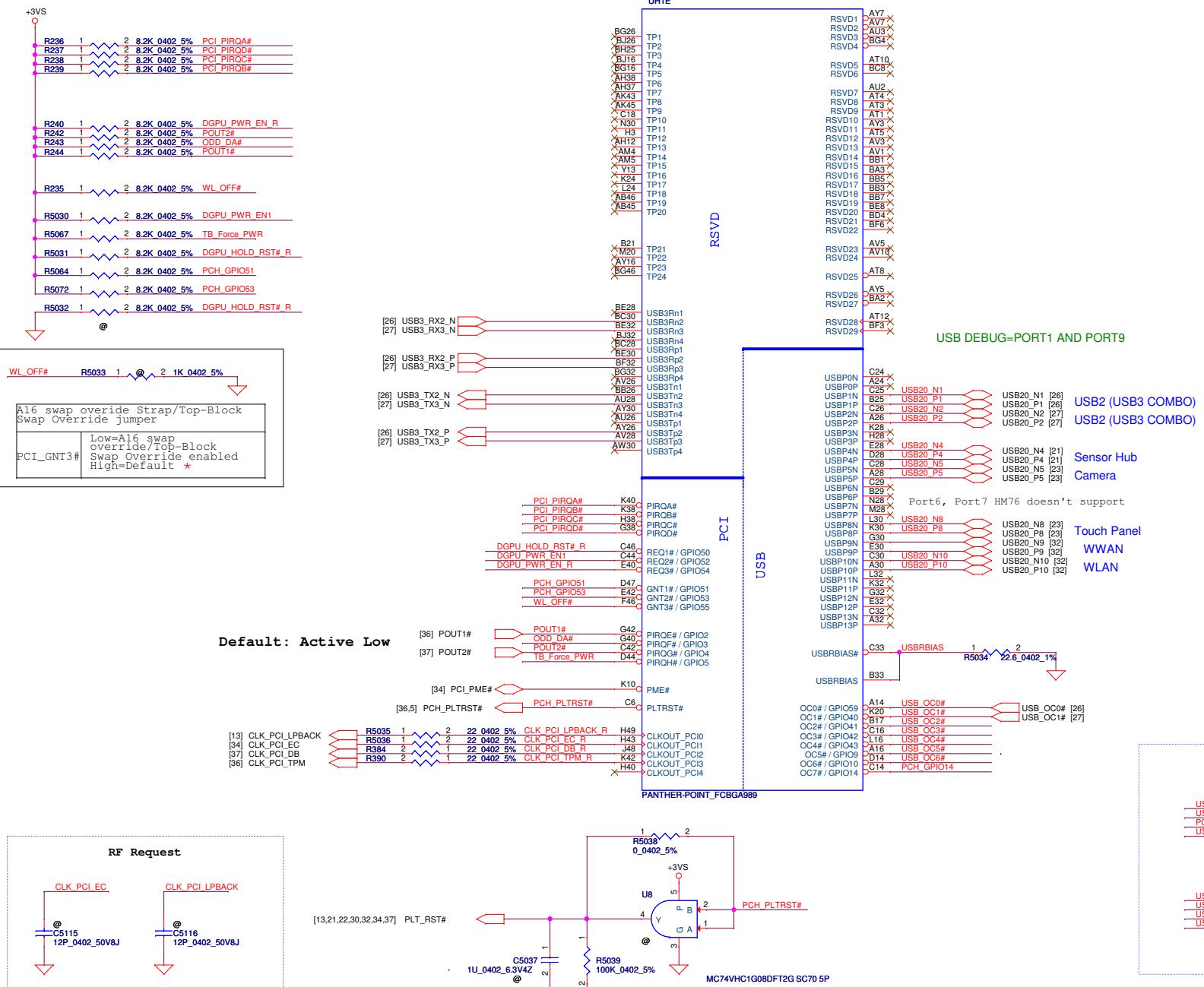


AMY WEN

AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE DEFECTIVE METER TO A THIRD PARTY. ORAL ELECTRONIC, INC. IT IS PROHIBITED TO USE, COPY, REPRODUCE, DISCLOSE, OR OTHERWISE EXPLOIT THIS SHEET BY OR TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT.

Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title	<b>PCH (3/8) DMI,FDI,PM,</b>	
THIS SHEET OF ENGINEERING DRAWINGS IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IT SHOULD NOT BE REPRODUCED FROM THE ORIGINALS. THE COMPANY DIVISION OF R&D OWNERSHIP PROPERTY OF COMPAL ELECTRONICS, INC. NO PART OF THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.	Size	Document Number	Rev	Custom	LA-8671P_SDV	1.0
	Date:	Thursday, October 04, 2012	Sheet	14	of	50



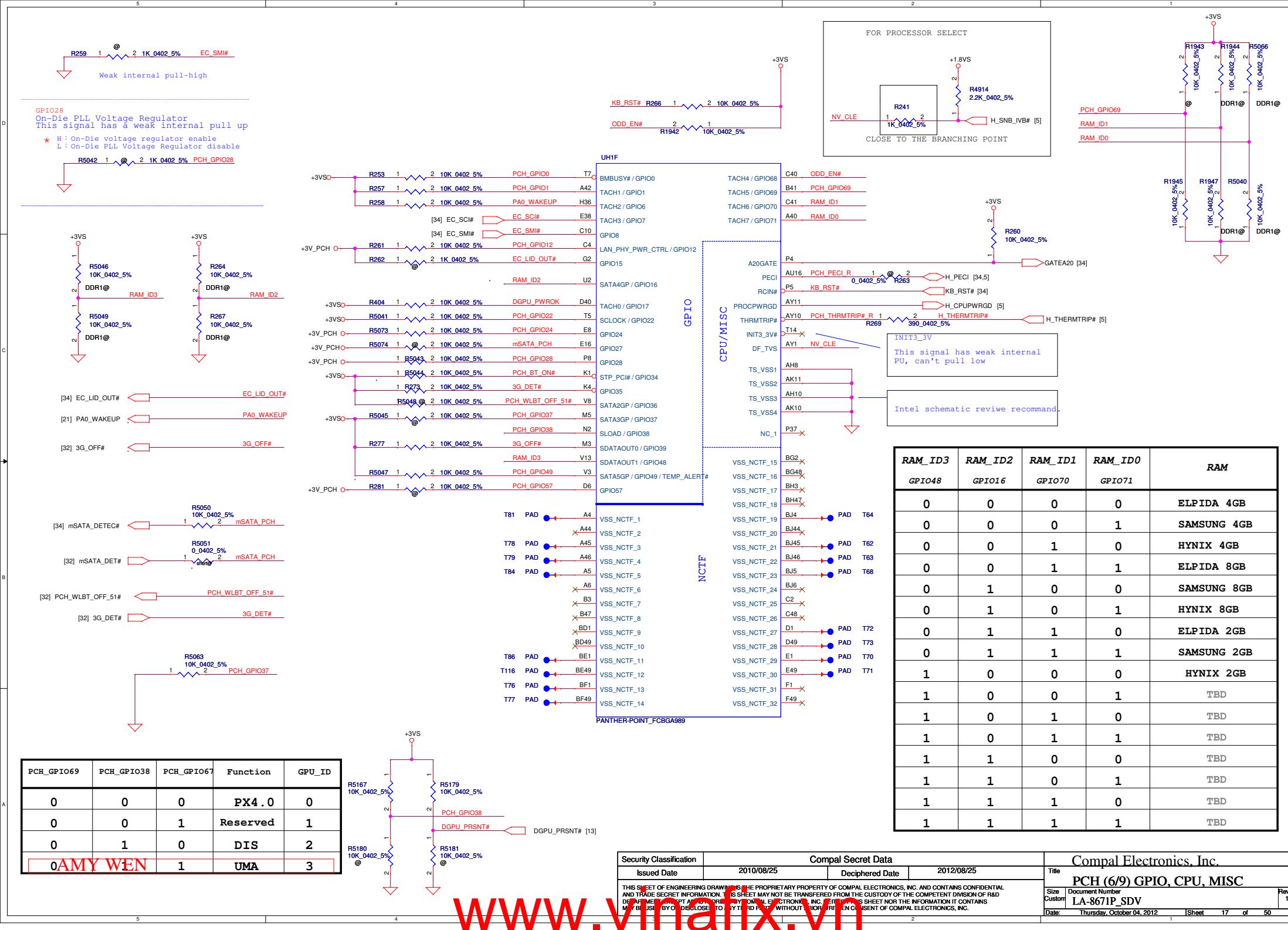


USB3.0	USB2.0	NOTE
1	0	
2	1*	USB3.0/2.0 Conn
3	2	USB3.0/2.0 Conn
4	3	
	4	Sensor Hub
	5	USB Camera
	6	X
	7	X
	8	Touch Panel
	9*	WWAN
	10	WLAN
	11	Finger Printer**
	12	
	13	Bluetooth**

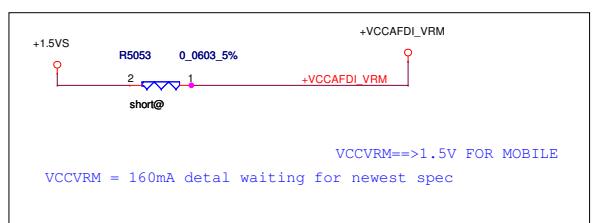
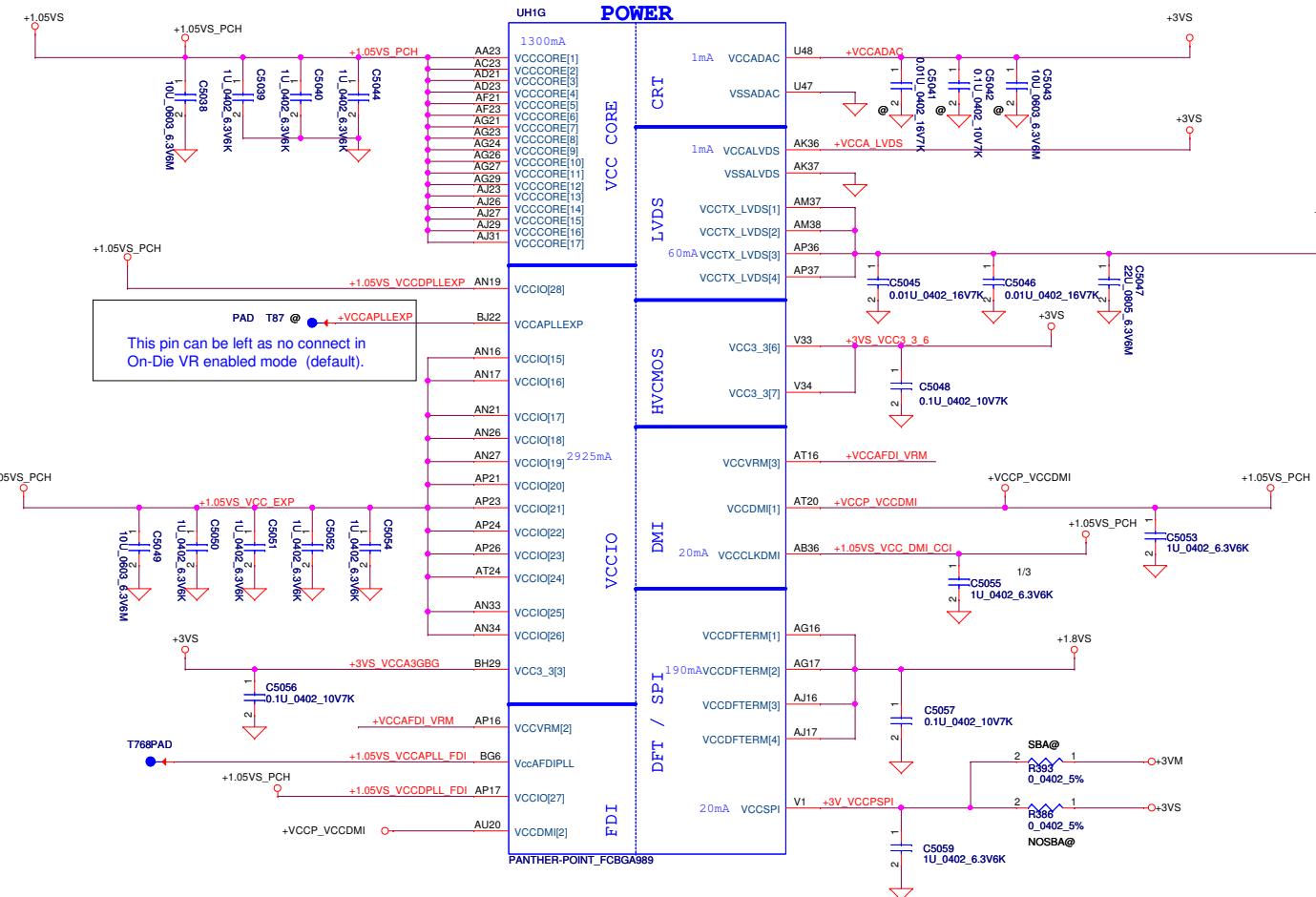
### \* Debug Port

\*\* Not Used

Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title	PCH (5/9) PCI, USB	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED, COPIED, REPRODUCED, OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.	Size	Document Number		Rev	1.0	
	Custom	LA-8671P_SDV		Date:	Thursday, October 04, 2012	Sheet 16 of 50



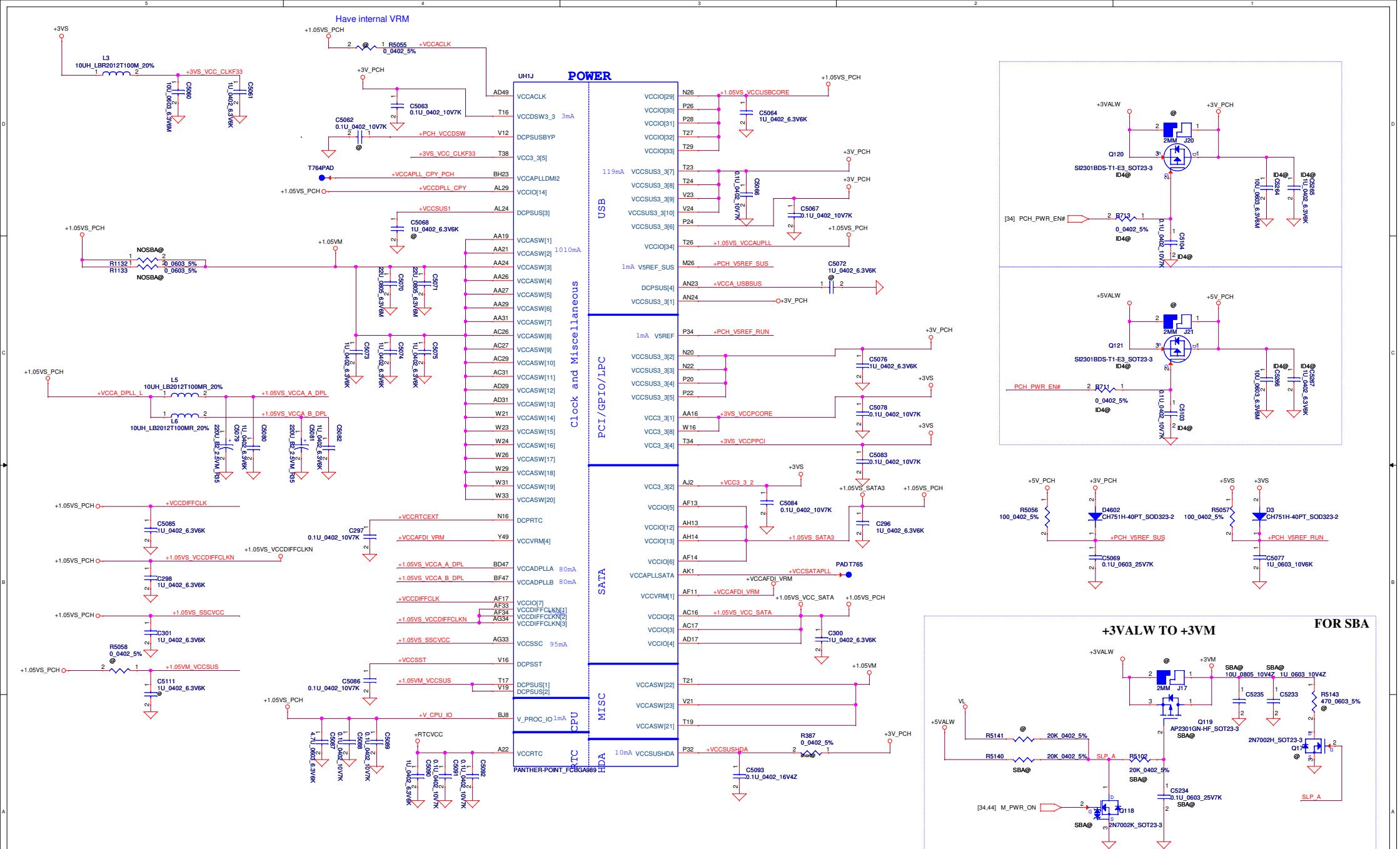
PCH Power Rail Table		
Voltage Rail	Voltage	S0 Iccmax Current (A)
V_Proc_IO	1.05	0.001
V5REF	5	0.001
V5REF_Sus	5	0.001
Vcc3_3	3.3	0.266
VccADAC	3.3	0.001
VccADPLL	1.05	0.08
VccADPLL_B	1.05	0.08
VccCore	1.05	1.3
VccDMI	1.05	0.042
VccIO	1.05	2.925
VccASW	1.05	1.01
VccSPI	3.3	0.02
VccDSW	3.3	0.003
VccNAND	1.8	0.19
VccRTC	3.3	6 uA
VccSus3_3	3.3	0.119
VccSusHDA	3.3 / 1.5	0.01
VccVRM	1.8 / 1.5	0.16
VccCLKDMI	1.05	0.02
VccSSC	1.05	0.095
VccDIFFCLKN	1.05	0.055
VccALVDS	3.3	0.001
VccTX_LVDS	1.8	0.06



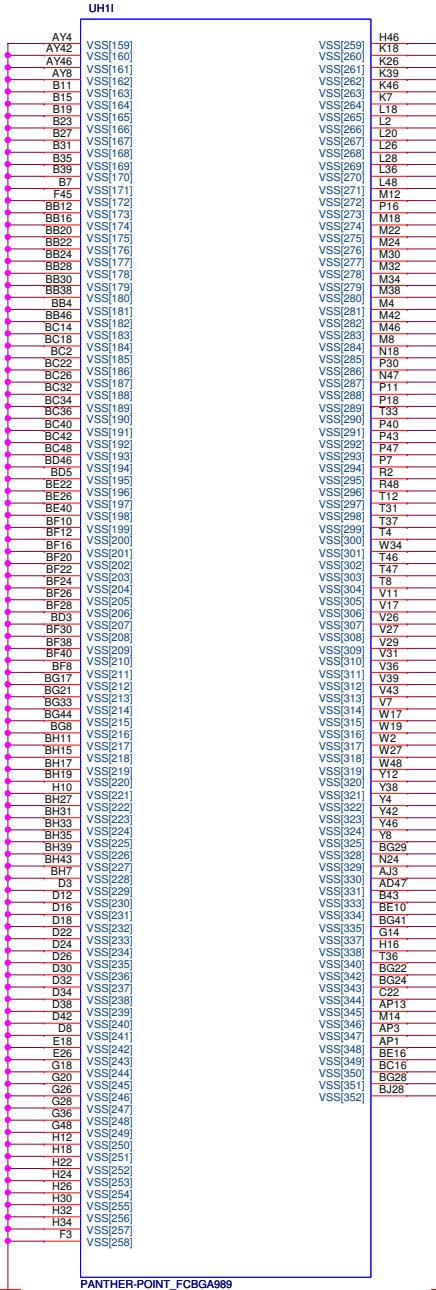
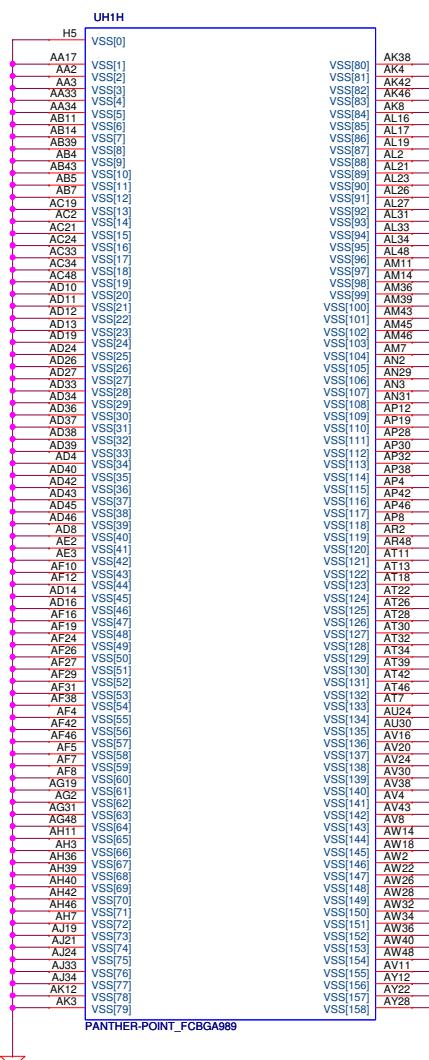
Security Classification				Compal Secret Data			Compal Electronics, Inc.	
Issued Date	2010/08/25	Deciphered Date	2012/08/25				Title	PCH (7/9) PWR
Size	Document Number						Custom	LA-867IP_SDV
Date	Thursday, October 04, 2012	1	Sheet	18	of	50	Rev	1.0

AMY WEN

WWW.Vinatrix.VN



<b>Security Classification</b>	<b>Compal Secret Data</b>			<b>Compal Electronics, Inc.</b>		
<b>Issued Date</b>	2010/08/25	<b>Deciphered Date</b>	2012/08/25	<b>Title</b>	<b>PCH (8/9) PWR</b>	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.						
<b>Size</b>	<b>Document Number</b>			<b>Rev</b>		
Custom	<b>LA-8671P_SDV</b>			1.0		
0.0000	1.0000	2.0000	3.0000	4.0000	5.0000	6.0000

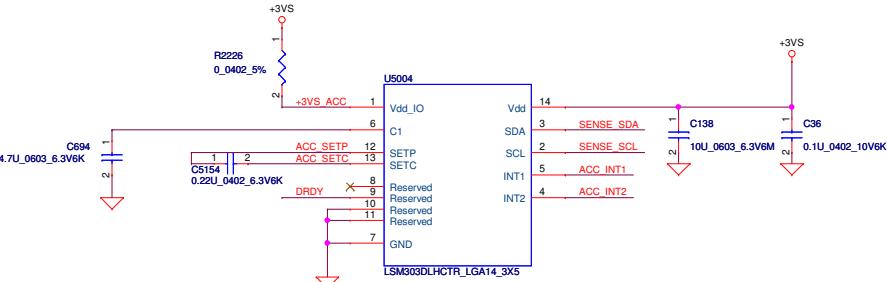


Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title
<b>PCH (9/9) VSS</b>				
Size	Document Number	Rev. 1.0		
Customer	LA-867IP_SDV			
Date:	Thursday, October 04, 2012	I Sheet	20	of 50

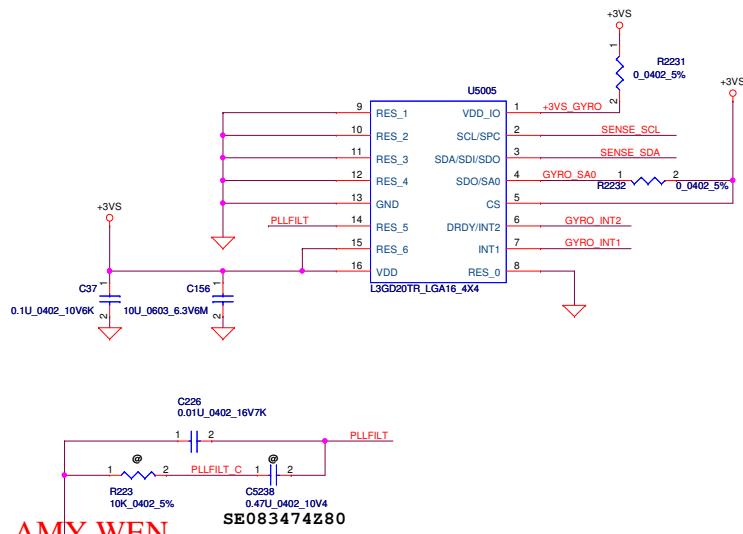
AMY WEN

WWW.Vinax.vn

## Accelerometer + eCompass

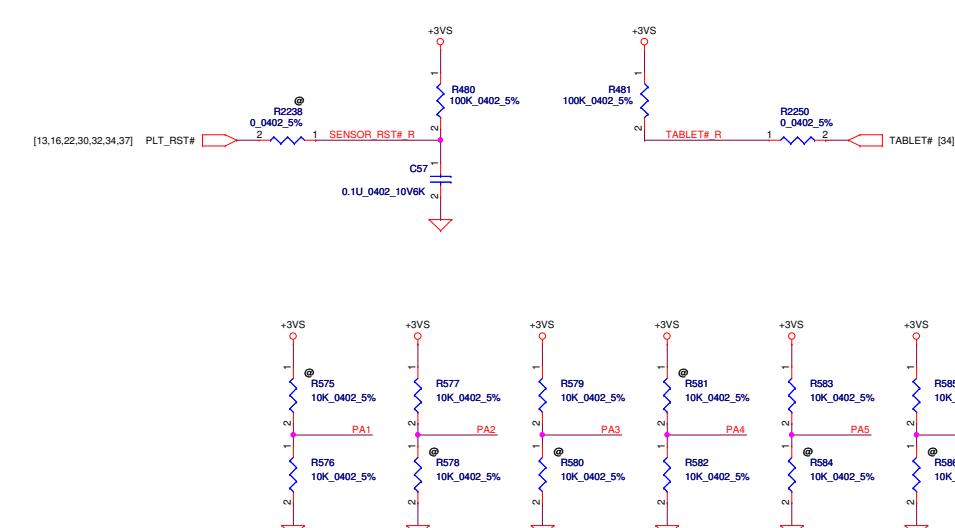
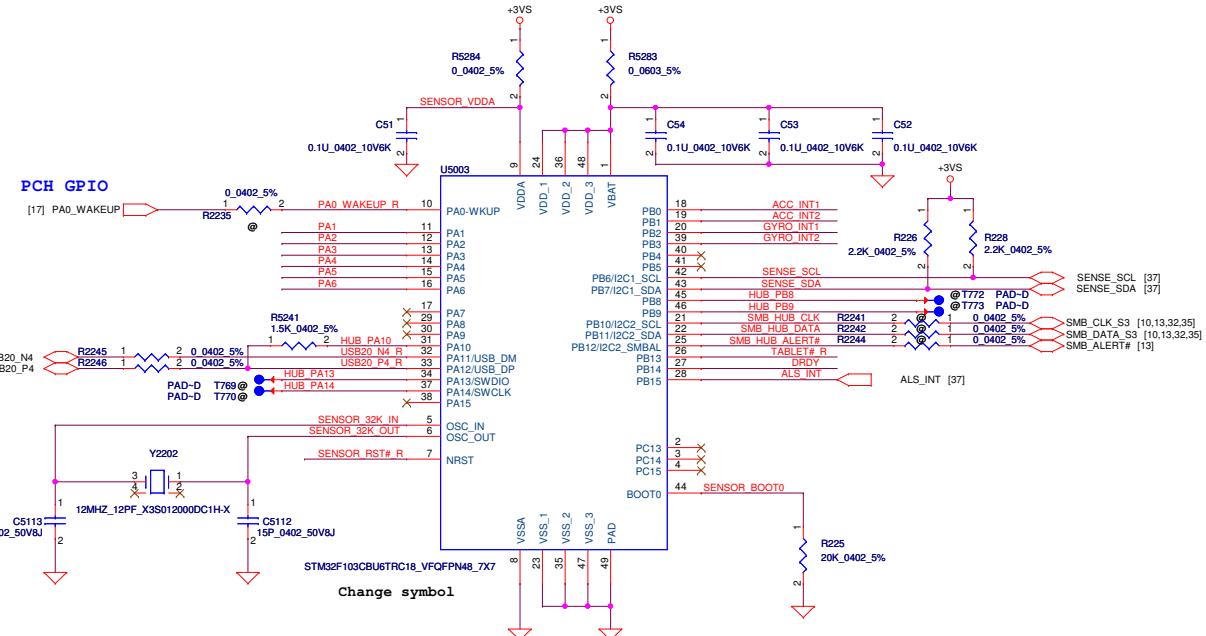


Gyro

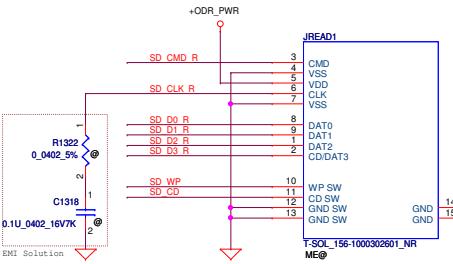


AMY WEN

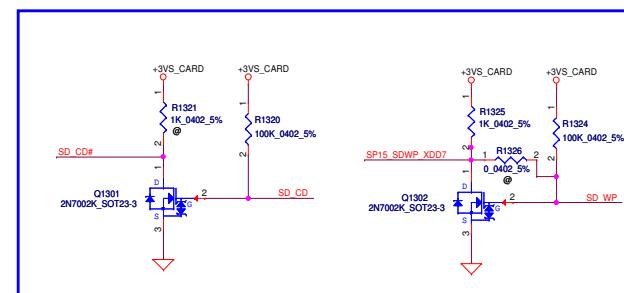
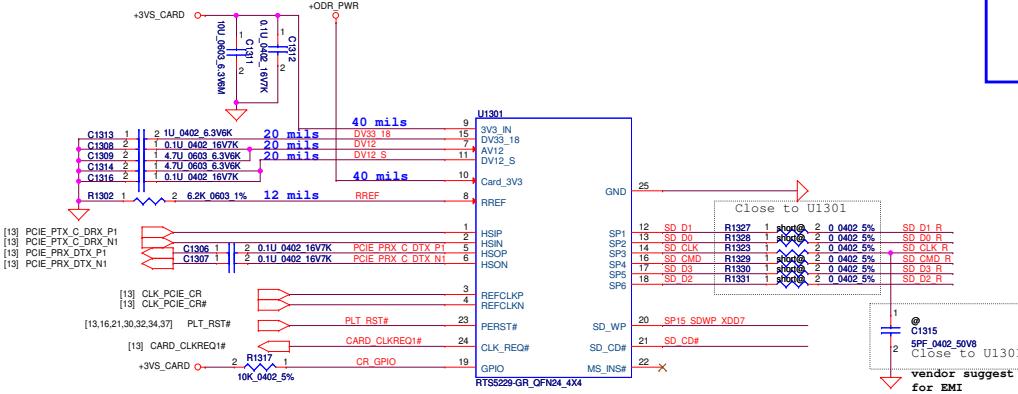
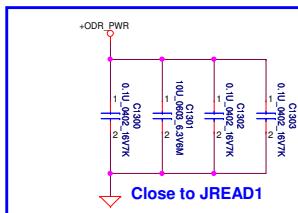
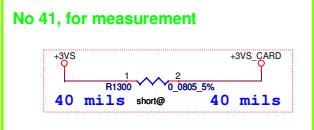
## Sensor Hub



Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title	Sensor Fusion	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED, COPIED OR DISCLOSED, IN ANY THIRD PARTY, WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number	Rev
				Custom	LA-8671P_SDV	1
Date:	Thursday, October 04, 2012		Isheet	21	of	50



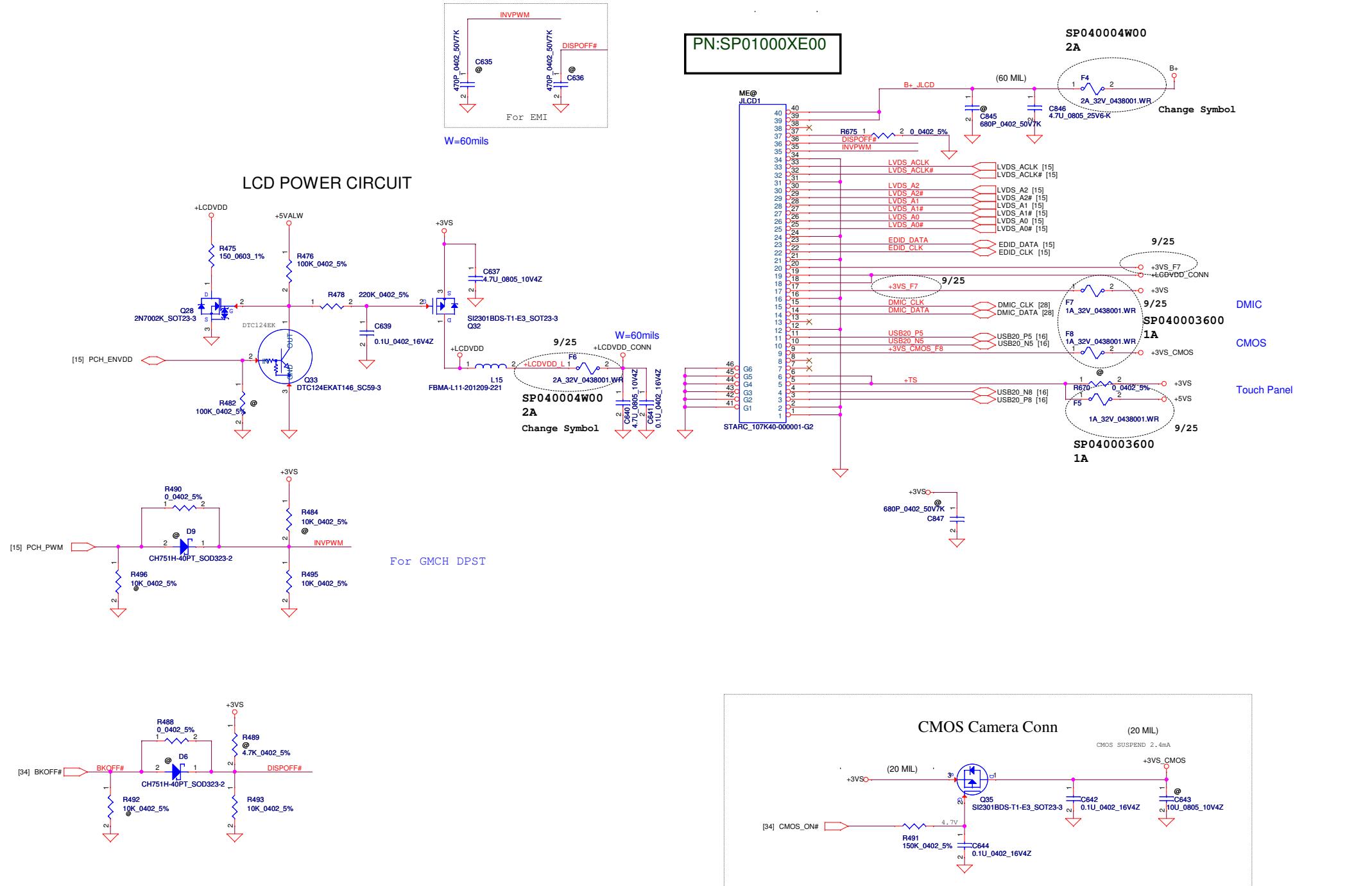
	SD_CD	SD_WP
CARD UNINSERTION	Close(Low)	Close(Low)
CARD HALF INSERTION	Close(Low)	Open(High)
CARD INSERTION	Open(High)	Close(Low)



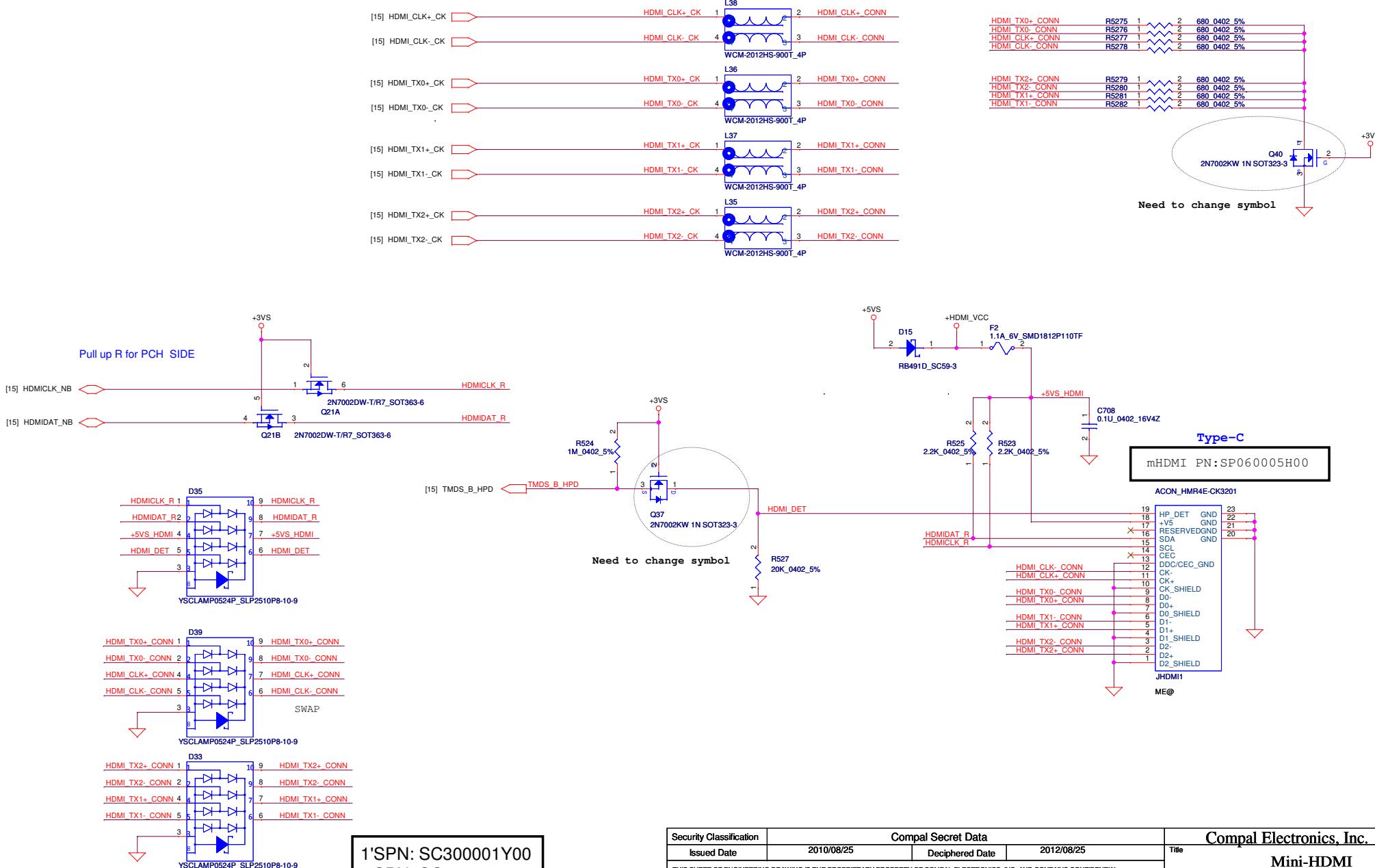
AMY WEN

WWW.VINAFIX.VN

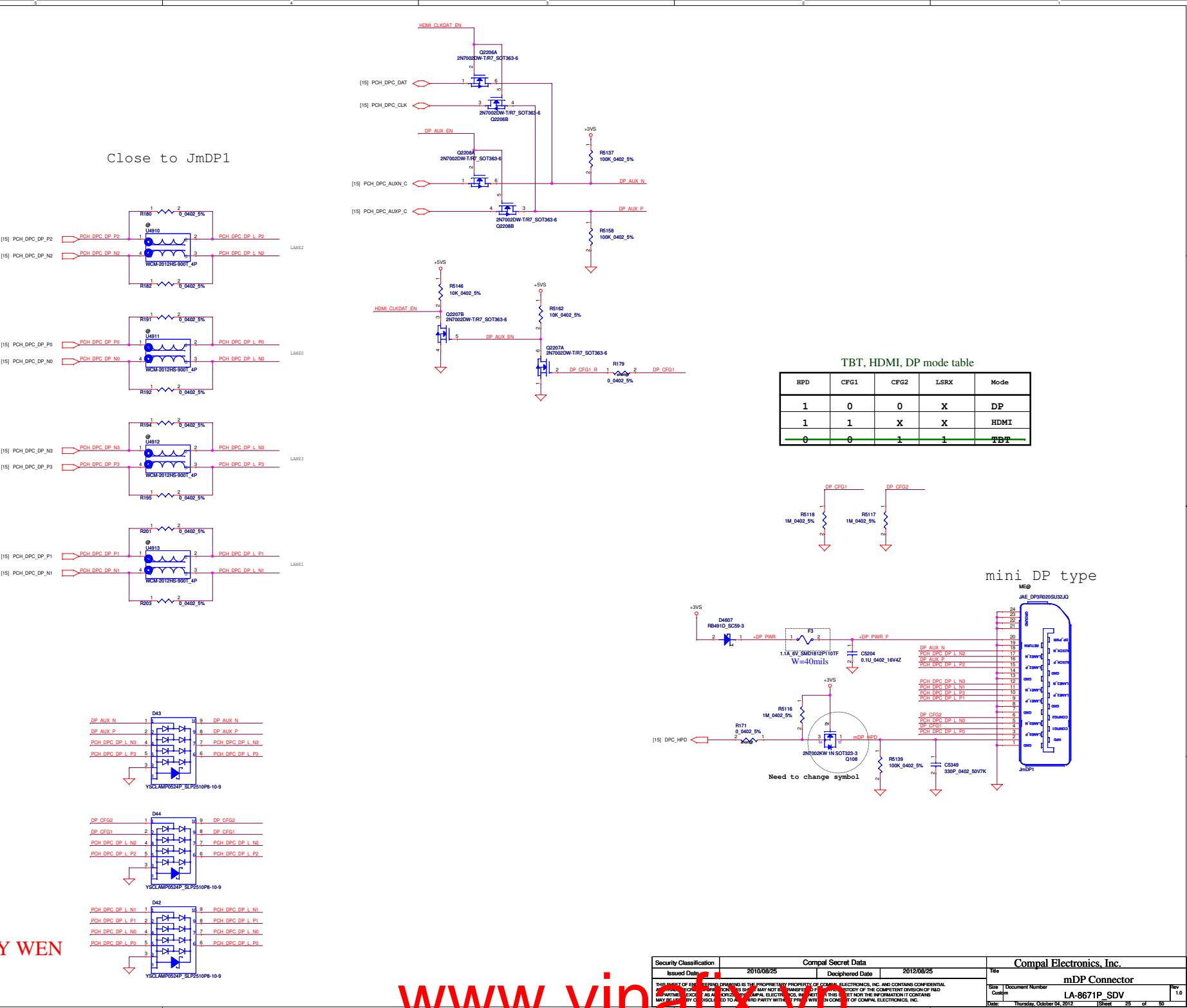
Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title
<small>THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IT MAY NOT BE COPIED, REPRODUCED, OR DISCLOSED TO OTHERS EXCEPT PURSUANT TO A WRITTEN AGREEMENT WITH COMPAL ELECTRONICS, INC. NO PART OF THIS SHEET OF DRAWING MAY BE USED BY OR DISCLOSED TO AN THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.</small>				
Size	Document Number			
C	LA-8671P_SDV			Rev. 1.0
Date:	Thursday, October 04, 2012	Sheet	22	of 50



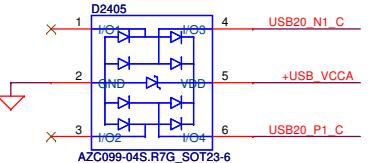
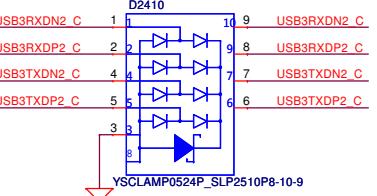
Security Classification	Compaq Secret Data	Compaq Electronics, Inc.
Issued Date	Deciphered Date	Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAQ ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS APPROVED BY COMPAQ ELECTRONICS, INC. IT IS AN INFORMATION IT CONTAINS MUST NOT BE USED BY DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAQ ELECTRONICS, INC.		
Size	Document Number	Rev
Custom	LA-8671P_SDV	1A
Date:	Thursday, October 04, 2012	Sheet 23 of 50



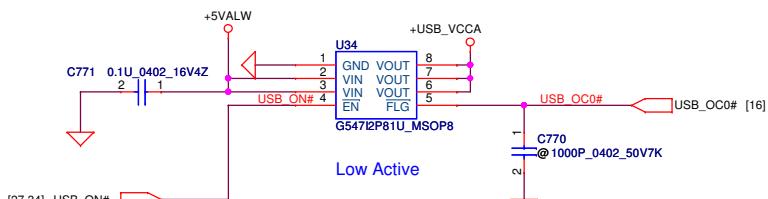
AMY WEN



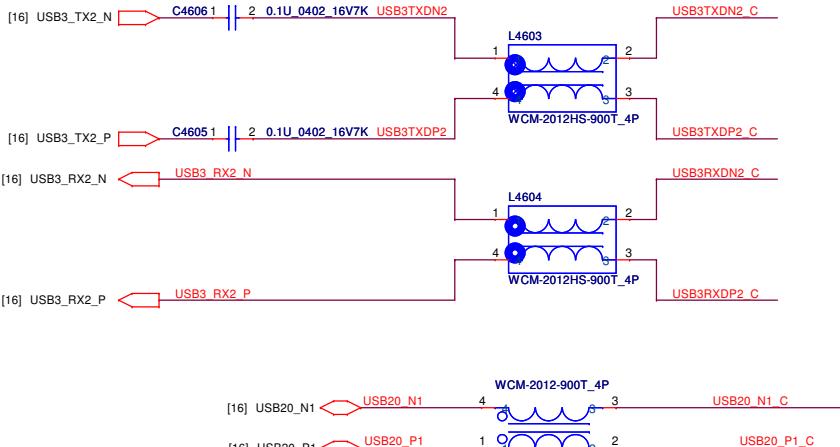
1'SPN: SC300001Y00  
2'SPN: SC300002800



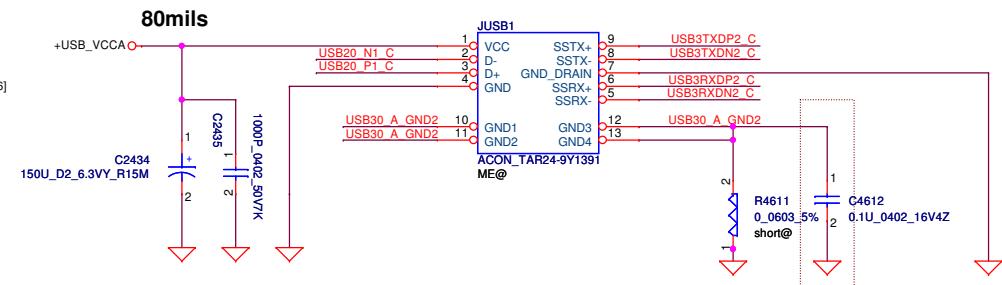
1'S PN: SC300001G00  
2'S PN: SC300002E00



JUSB1USB3.0/USB2.0



DC23300A410

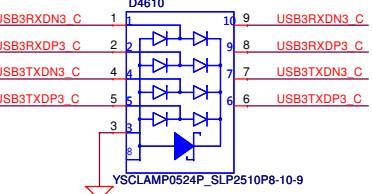


AMY WEN

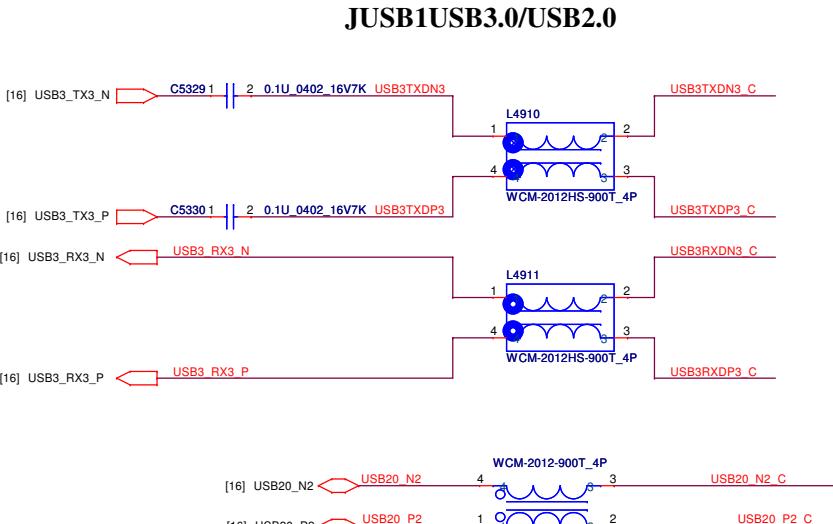
Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE COPIED OR REFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE RELEASSED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				
Size	Document Number	Rev		
Custom	LA-8671P_SDV	1.0		
Date:	Thursday, October 04, 2012	Sheet	26	of 50

WWW.Vinamix.VN

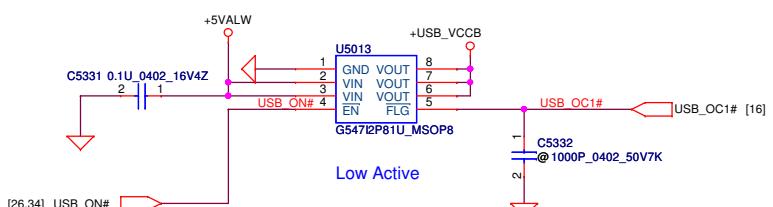
1'SPN: SC300001Y00  
2'SPN: SC300002800



1'S PN: SC300001G00  
2'S PN: SC300002E00

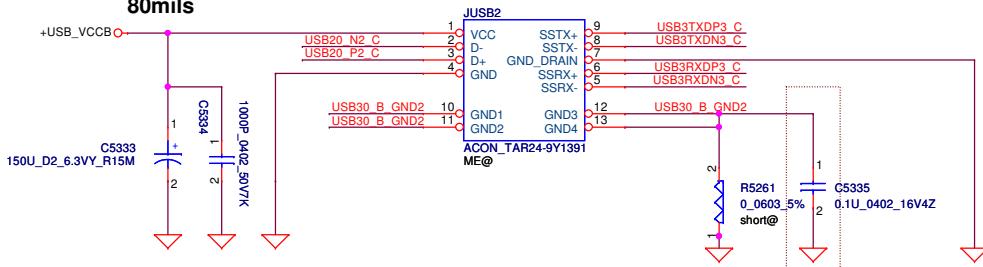


JUSB1USB3.0/USB2.0



DC23300A410

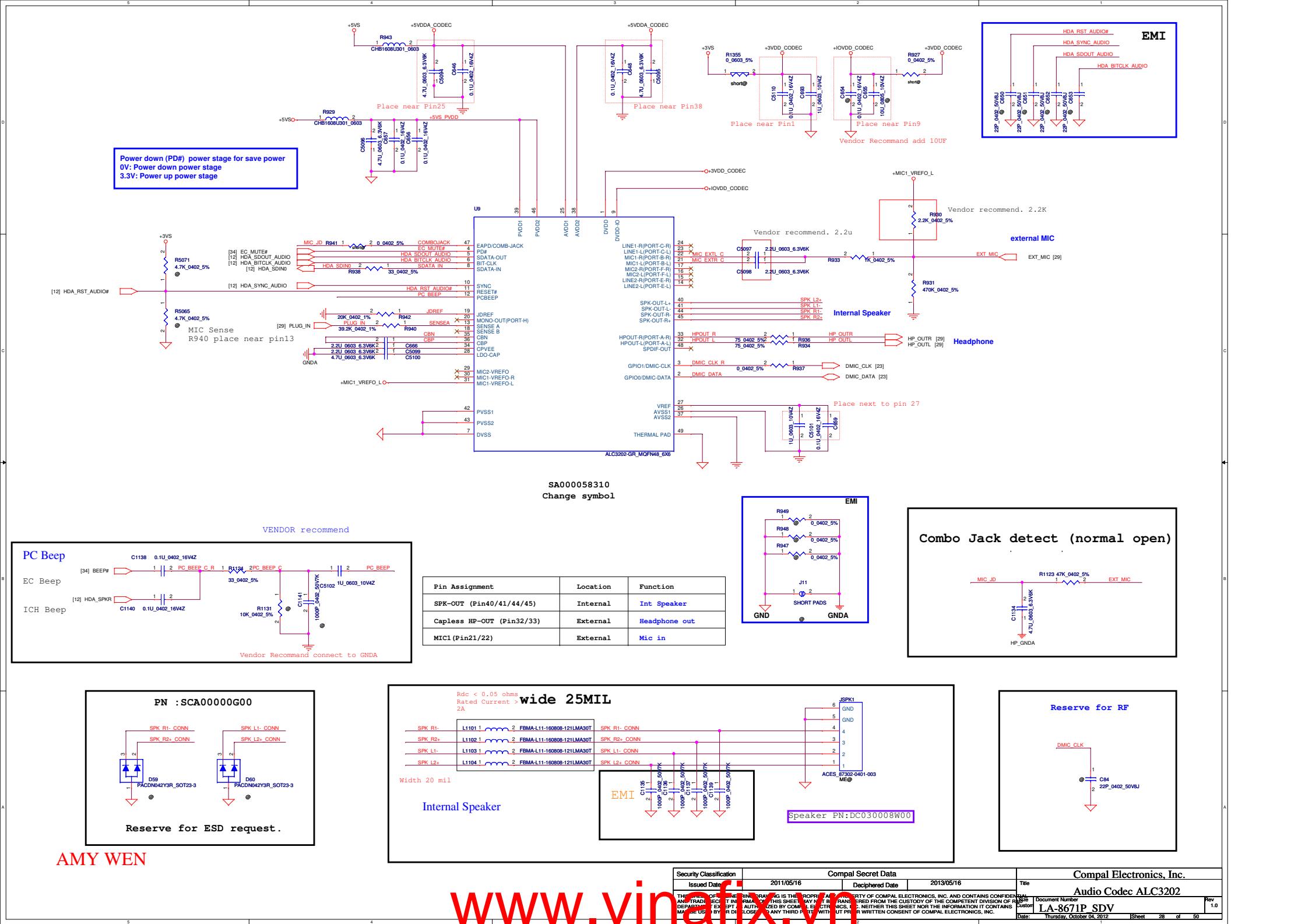
80miles

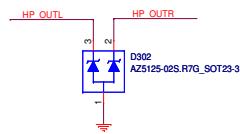
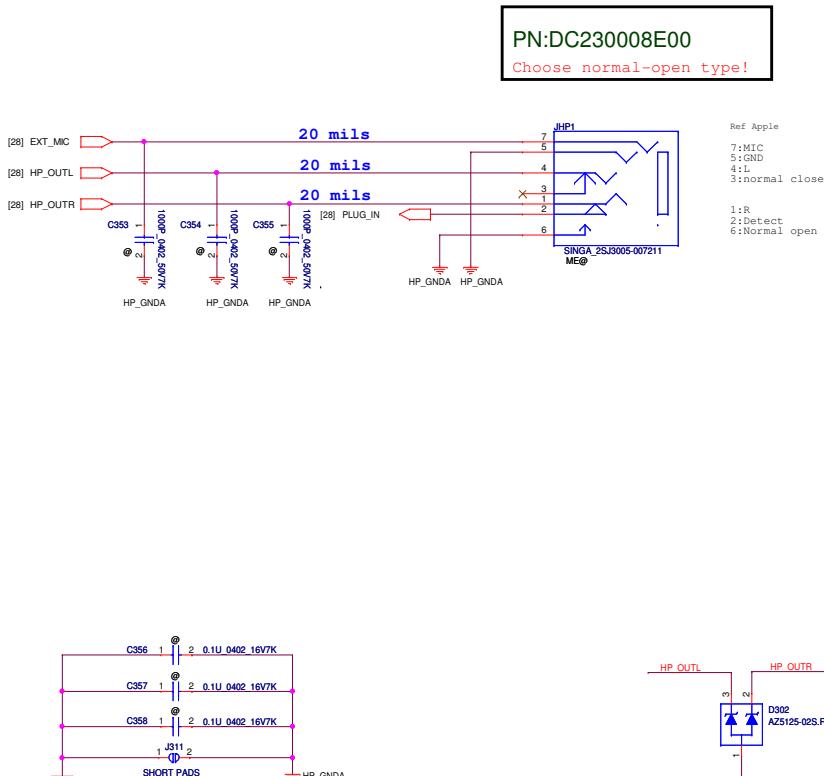


AMY WEN

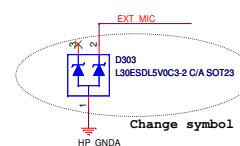
AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE  
DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAK ELECTRONICS INC. NEITHER THIS SHEET NOR THE  
COPY OR SEPARATELY OR DISCLOSED TO ANY THIRD PARTY WHO HAS NOT PROVIDED WRITTEN CONSENT OF COMPAK.  
3

Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title	USB3.0/2.0 CONN-R	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE RE-USED OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE CONSENT OF COMPAL ELECTRONICS, INC.						
Custom	Document Number <b>LA-8671P_SDV</b>		Rev 1.0	Date:	Thursday, October 04, 2012	Sheet 27 of 50





PN: SCA00001100

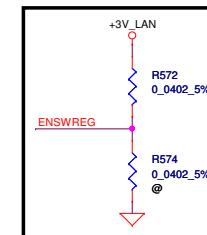
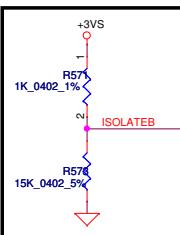
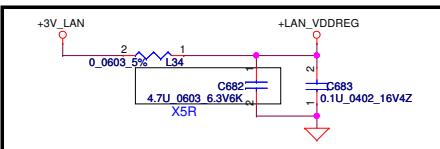
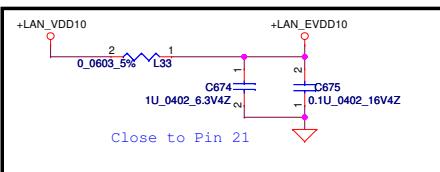
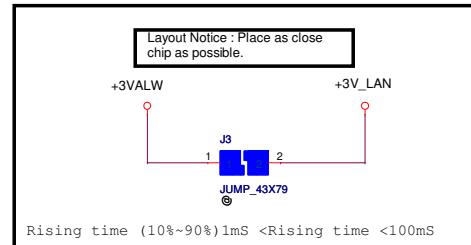
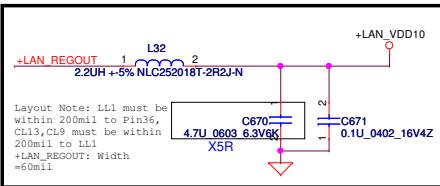
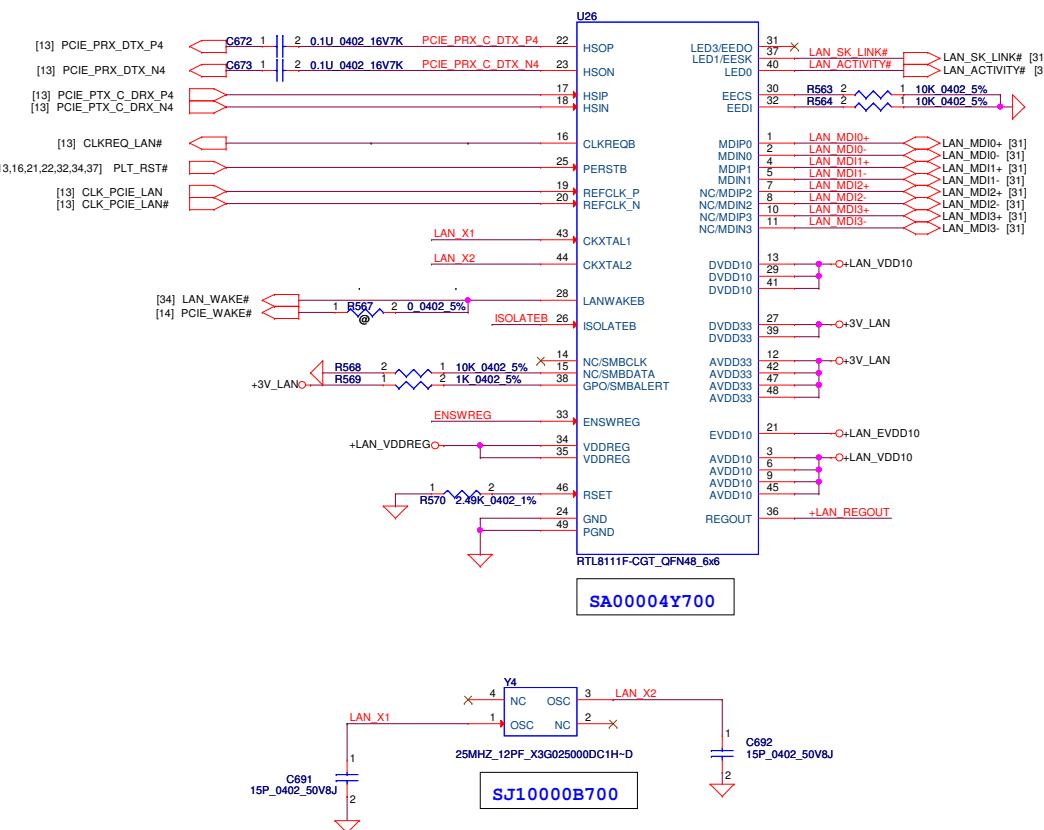


PN: SCA00001L00

AMY WEN

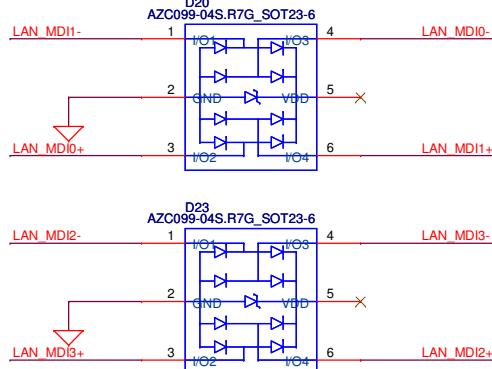
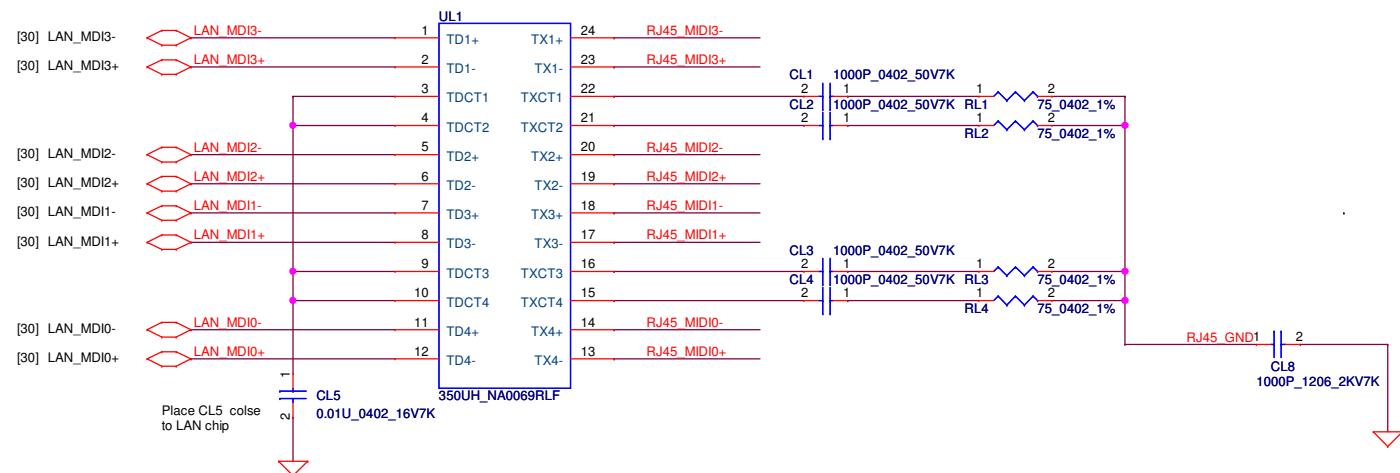
www.vinax.vn

Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	Deciphered Date	2013/05/16	Combo Jack	
<small>THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IT MAY NOT BE COPIED, REPRODUCED, OR DISCLOSED TO OTHERS EXCEPT AS PROVIDED IN WRITING BY COMPAL ELECTRONICS, INC. NO PART OF THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.</small>				
Size	Document Number	Rev		
C	LA-8671P_SDV	1.0		
Date:	Thursday, October 04, 2012	Sheet	29	of 50



H: Enable internal Regular  
L: Disable

Compal Secret Data			Compal Electronics, Inc.		
Security Classification	Issued Date	Deciphered Date	Title	LAN-RTL8111F	
	2010/08/25	2012/08/25		Document Number LA-8671P_SDV	Rev 1.0
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODIAN OF THE CONFIDENTIAL SECTION OF R&D DIVISION TO ANY OTHER PERSON, FIRM, OR CORPORATION. IN NO EVENT SHALL THIS SHEET BE COPIED OR USED WITHOUT THE EXPRESS WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.					



**D20/D23**  
1'S PN:SC300001G00  
2'S PN:SC300002E00

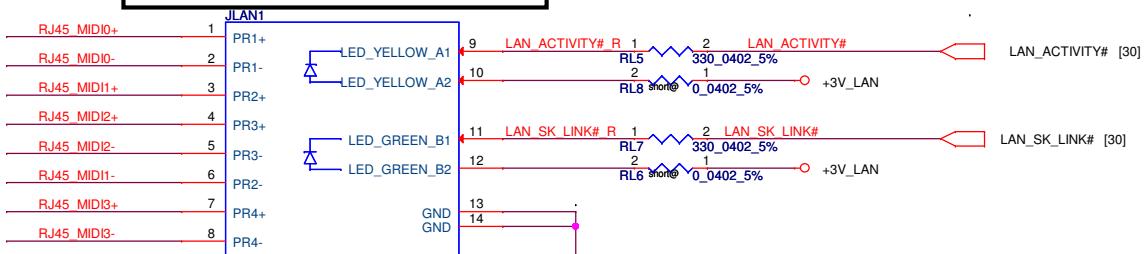
For EMI's request



AMY WEN

### DC234005300 LAN Conn.

RL5,RL7 Vendor recommend 510 ohm

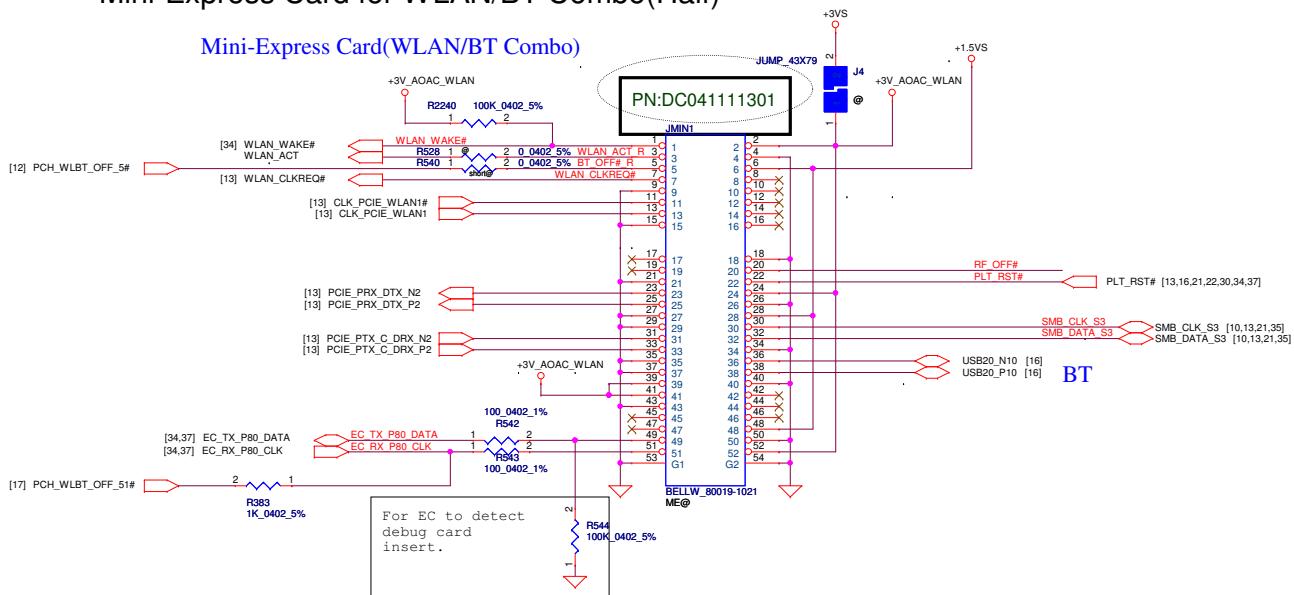


Security Classification	Compal Secret Data		Compal Electronics, Inc.
Issued Date	Deciphered Date	2012/08/25	Title
<b>LAN_Transformer</b>			
Size Custom	Document Number	LA-8671P_SDV	Rev 1.0
Date: Thursday, October 04, 2012	Sheet	31	of 50

THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEVER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.

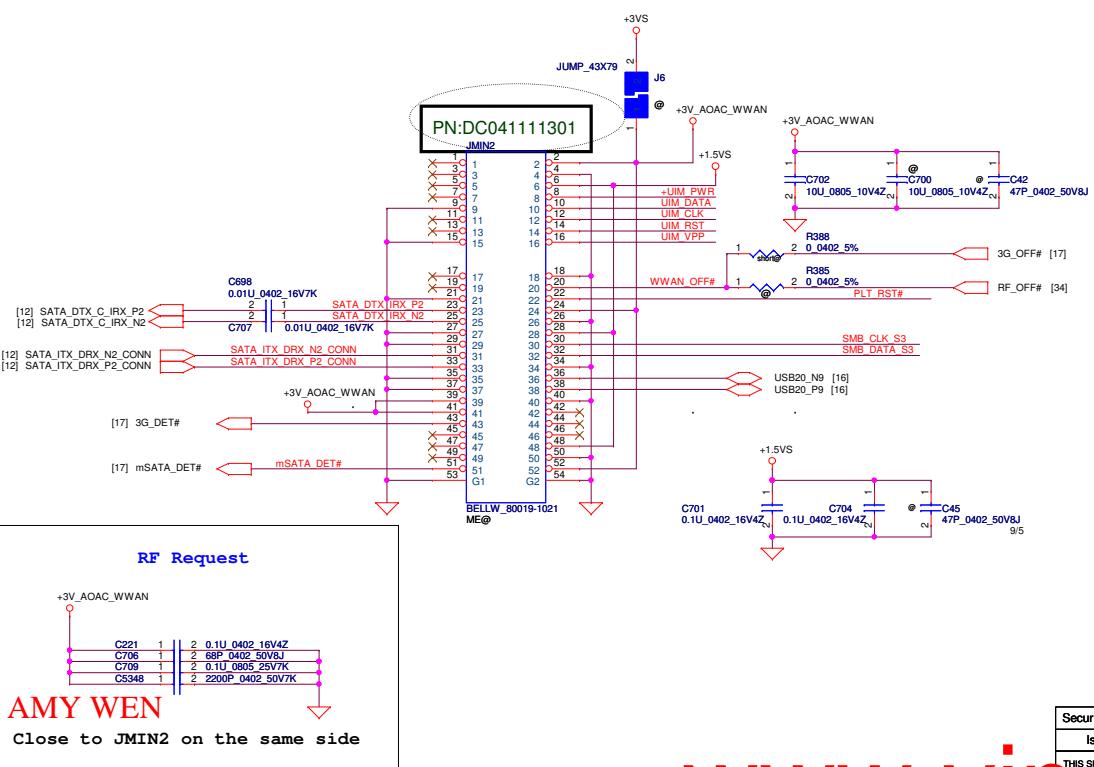
# Mini-Express Card for WLAN/BT Combo(Half)

## Mini-Express Card(WLAN/BT Combo)

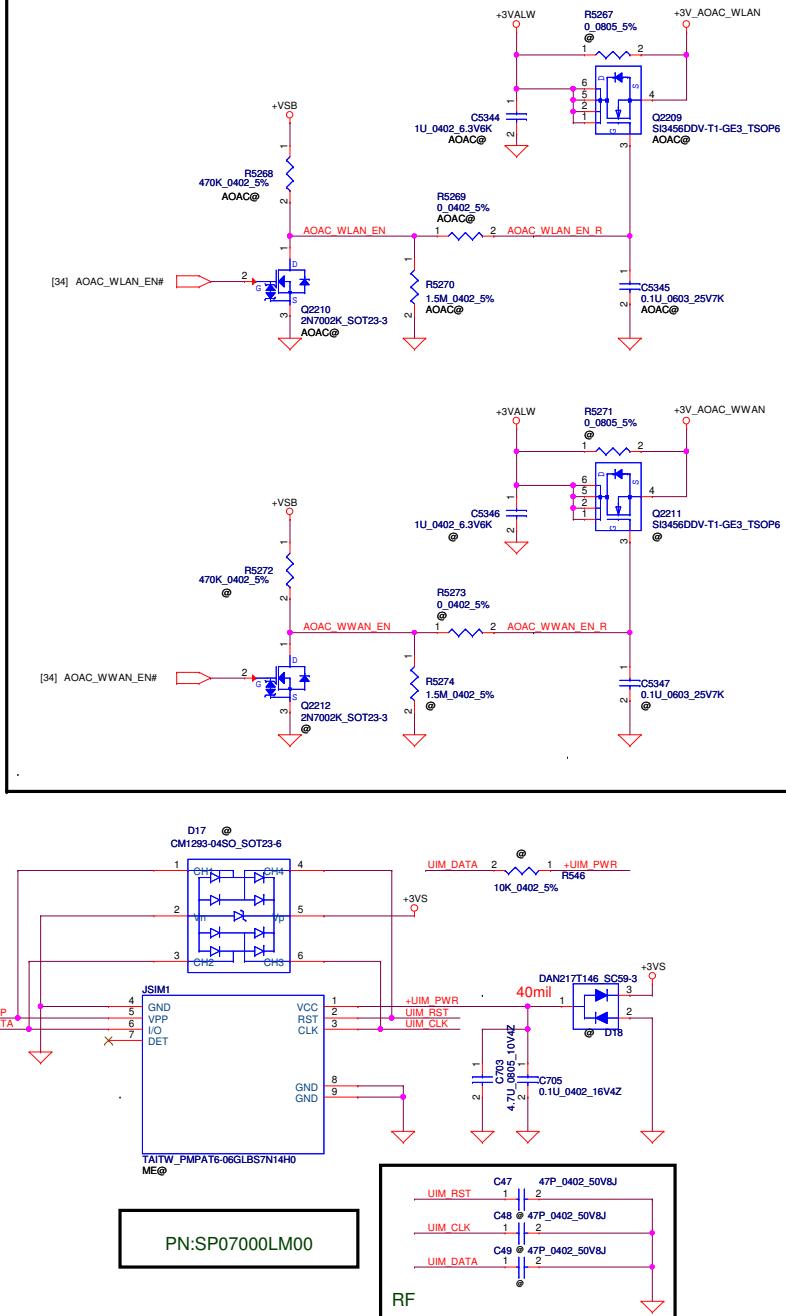


## Mini-Express Card for WWAN/mSATA(Full)

### Mini-Express Card(WWAN 3G)



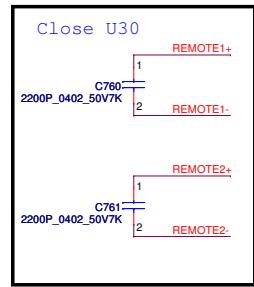
AOAC



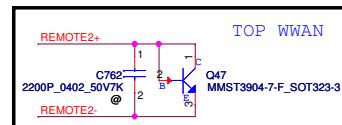
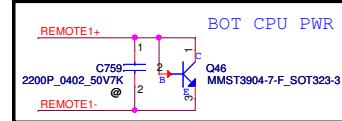
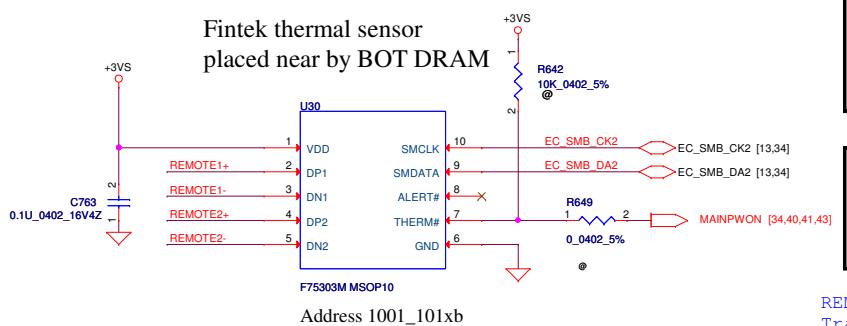
Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	Deciphered Date	Rev	Title	
2010/08/25	2012/08/25	1.0	WLAN/BT/WWAN/m-SATA	
Custom	LA-8671P_SDV	Sheet 32 of 50	Document Number	

THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPALELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE COPIED OR REPRODUCED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPALELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED, REPRODUCED, DISCLOSED, OR ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPALELECTRONICS, INC.

www.vinax.vn

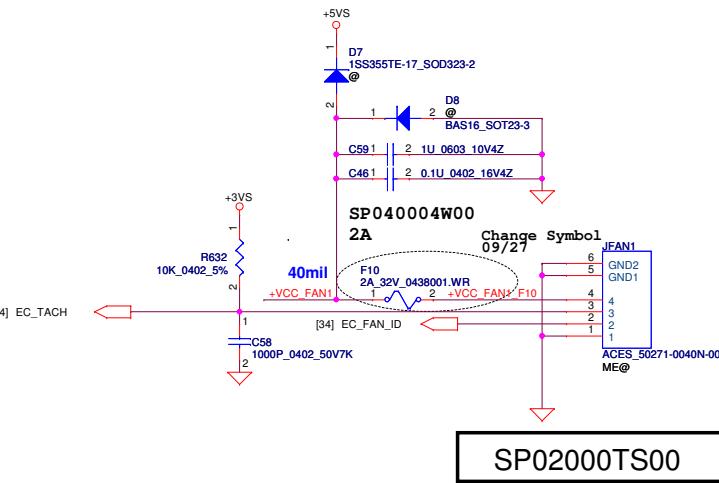
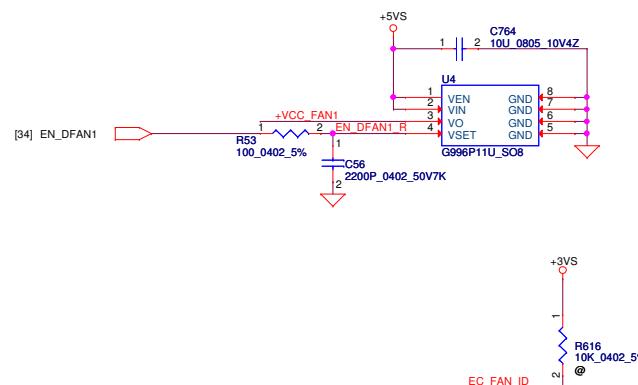


Fintek thermal sensor  
placed near by BOT DRAM

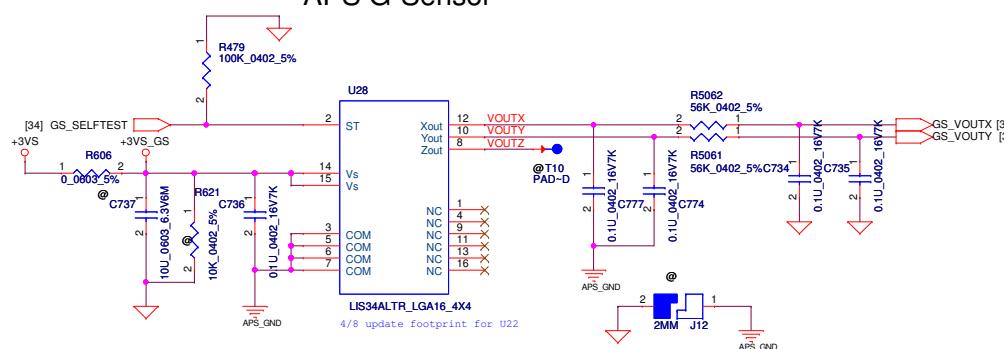
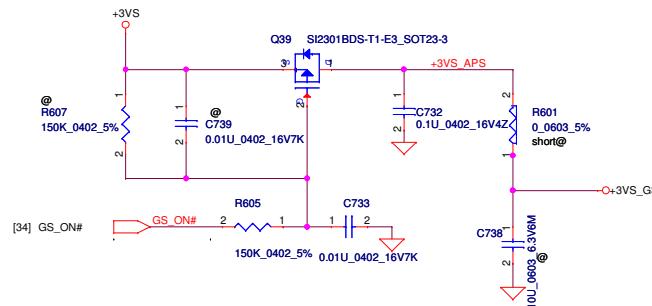


REMOTE1, 2+/-:  
Trace width/space:10/10 mil  
Trace length:<8"

FAN +5VS DROOF



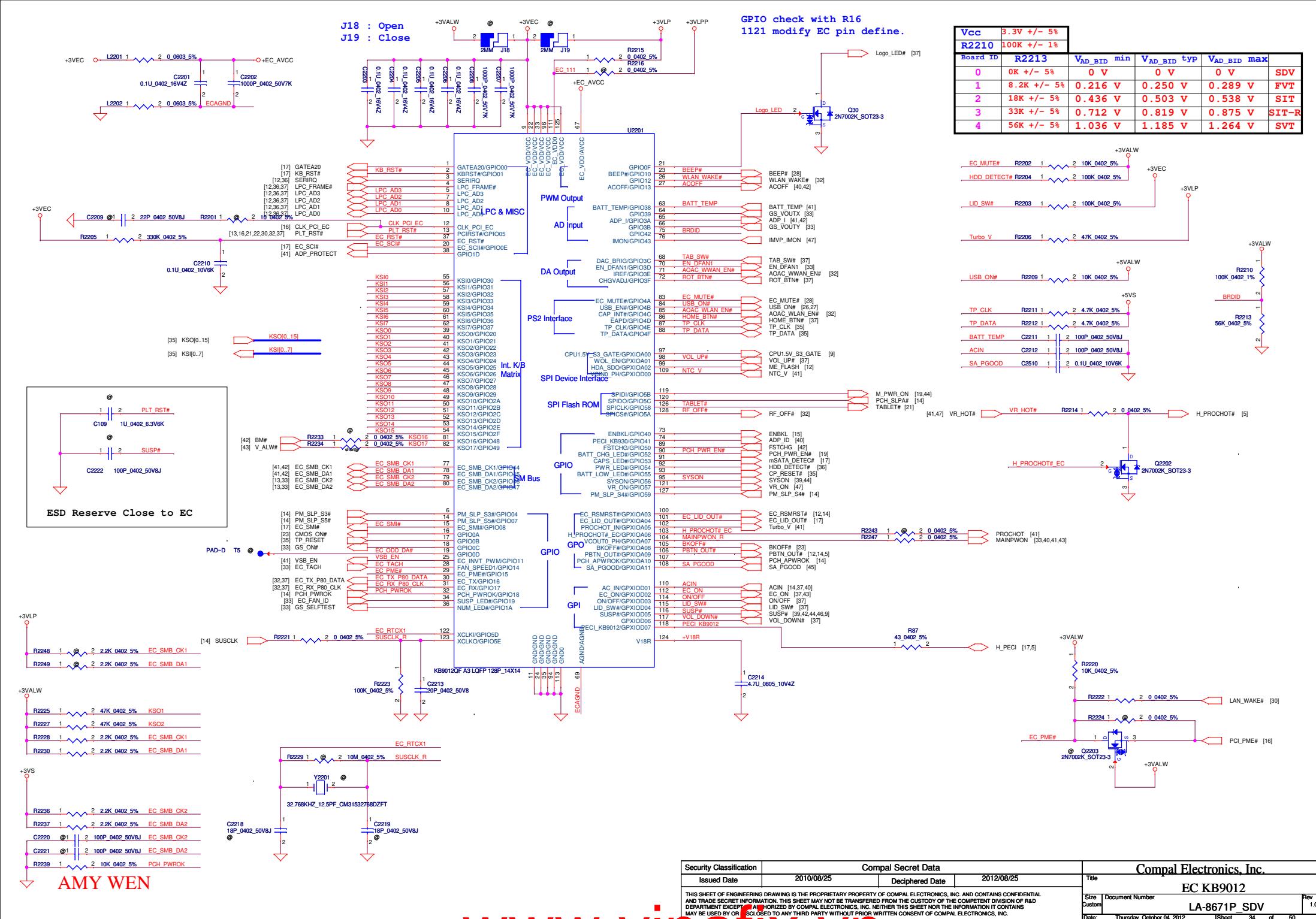
APS G-Sensor



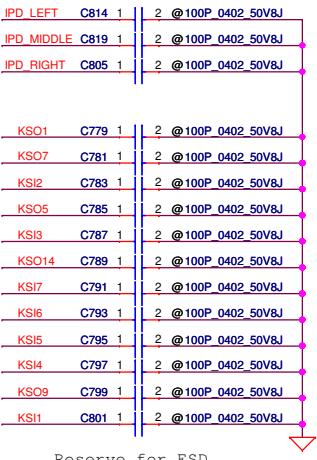
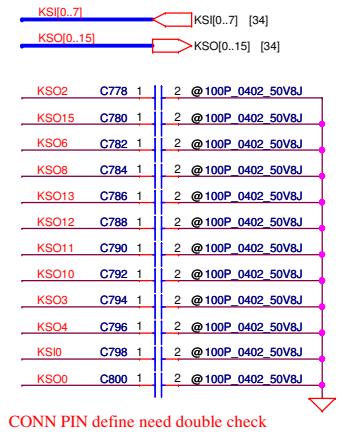
AMY WEN

WWW.VINANIX.VN

Security Classification	Compal Secret Data			Compal Electronics,Ltd.		
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title	FintekF57303_Thermal sensor/FAN	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPALELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT OF COMPALELECTRONICS, INC. IT IS THE PROPERTY OF COMPALELECTRONICS, INC. THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPALELECTRONICS, INC.						
Size	Document Number			Rev		
Custom	LA-8671P_SDV					1.0
Date:	Thursday, October 04, 2012	Sheet	33	of	50	

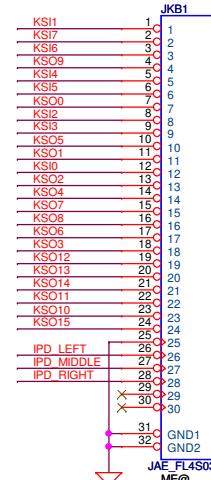


## INT\_KBD Conn.



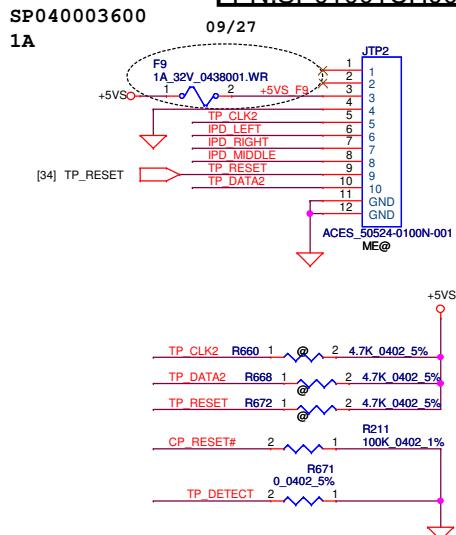
## INT\_KBD Conn.

PN:SP01000YH00



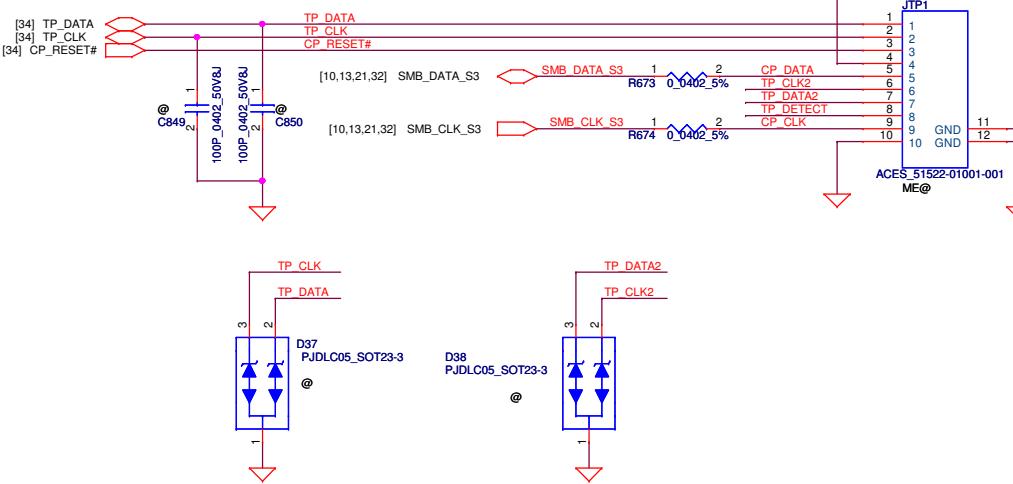
## Track point

PN:SP01001CH00



## Click pad 10PIN

SP01001AL00



AMY WEN

Security Classification

Compal Secret Data

Issued Date

Deciphered Date

2010/08/25

2012/08/25

THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE EQUIPMENT DIVISION OF RAD DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OTHERS, OR DISCLOSED TO ANY OTHER PARTY WITHOUT PRIOR WRITTEN AGREEMENT OF COMPAL ELECTRONICS, INC.

Compal Electronics, Inc.  
KB /SW .

Title

Document Number

LA-8671P\_SDV

Rev

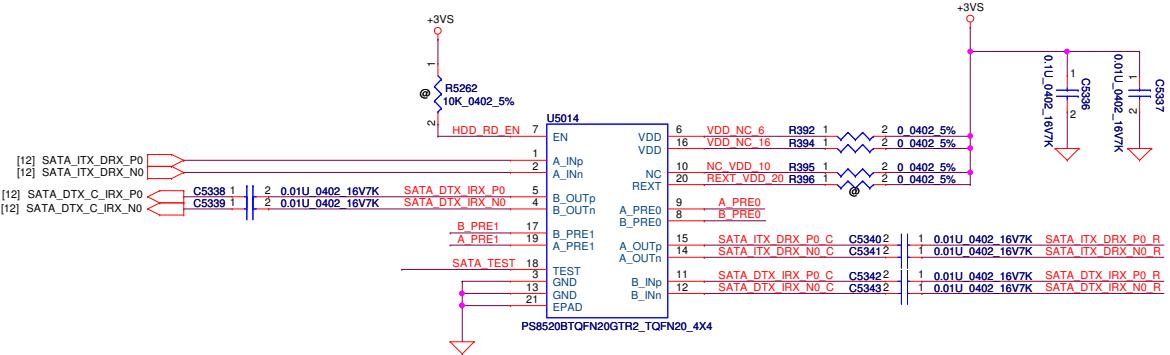
1.0

Date: Thursday, October 04, 2012

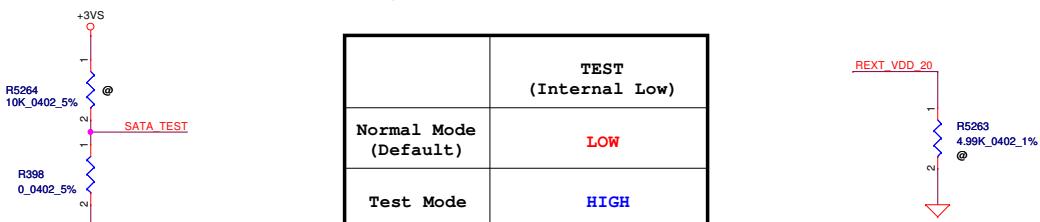
Sheet

35

of 50

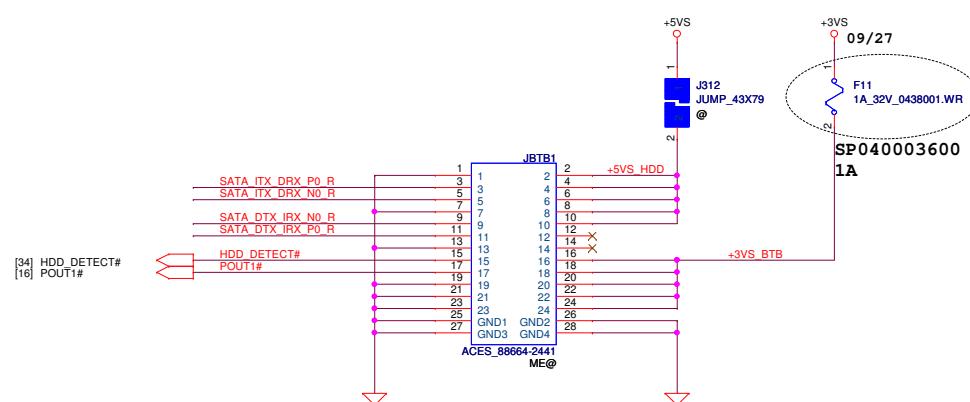
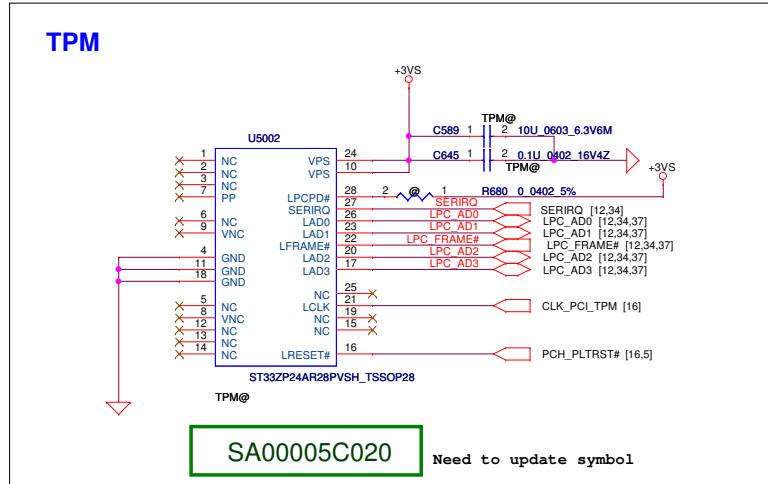


	<b>TEST</b> <b>(Internal Low)</b>
<b>Normal Mode (Default)</b>	<b>LOW</b>
<b>Test Mode</b>	<b>HIGH</b>



## Remove pull-low

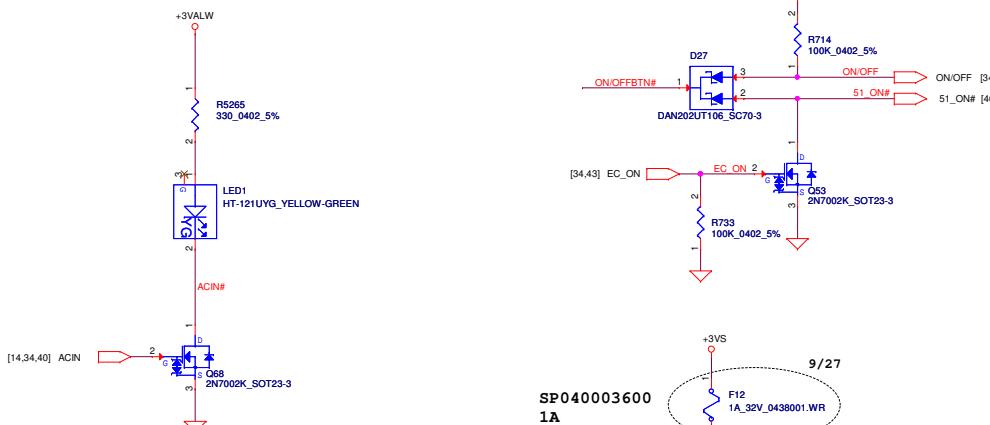
	A_PRE1/B_PRE1 (Internal pull Low)	A_PRE0/B_PRE0 (Internal pull Low)
0dB, no pre-emphasis	Low	Low
1.5dB pre-emphasis is selected	Low	High
2.5dB pre-emphasis is selected	High	Low
3.5dB pre-emphasis is selected	High	High



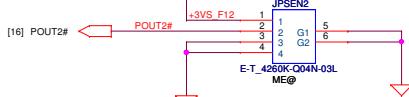


SP010016L00

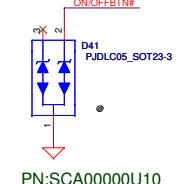
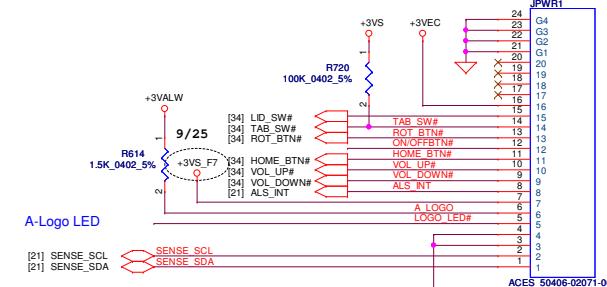
### AC-IN LED (Color : Green)



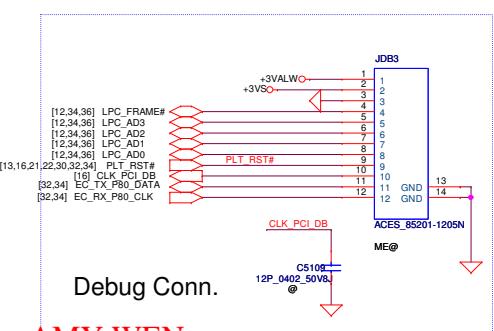
SP040003600  
1A



Power Board connector

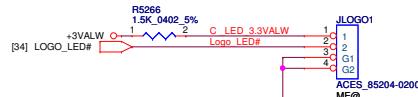


PN:SCA00000U10

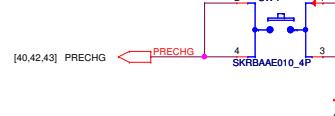


AMY WEN

C-logo Conn.



BOTTOM SIDE  
SN111005800 by ME drawing



For Power Reset

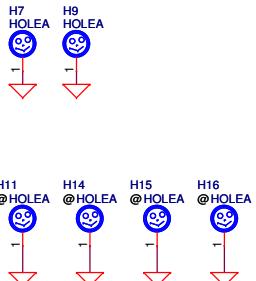
Security Classification	Compal Secret Data		Compal Electronics,Ltd.
Issued Date	Deciphered Date		Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPALELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF RAD INSTITUTE OF TECHNOLOGY AS AUTHORIZED BY COMPALELECTRONICS, INC. NO PART OF THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY OTHER PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPALELECTRONICS, INC.			
Size	Document Number	Rev	
Custom	LA-8671P_SDV	1A	Date: Thursday, October 04, 2012
	Sheet	37	of 50

### PT-H 20 SCREW HOLE

H\_2P3



H\_3P3



H\_6P0



### NON-PT-H 1 SCREW HOLE

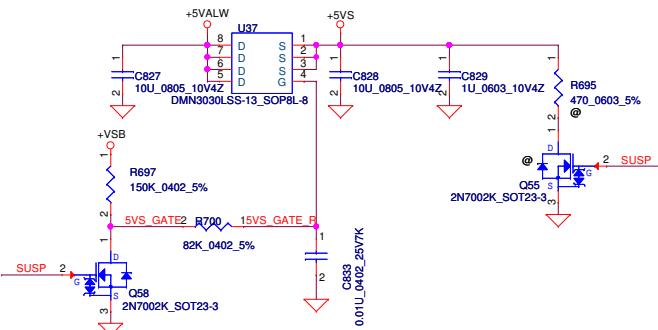
H\_2P4N



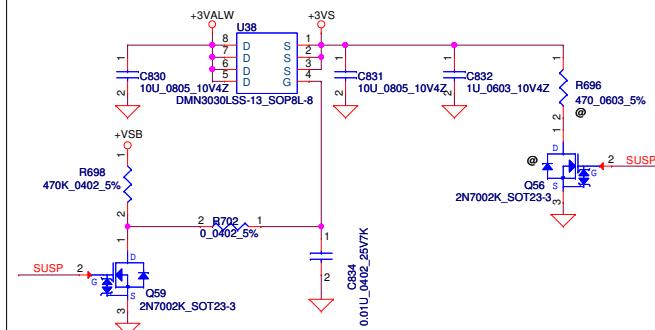
AMY WEN

Security Classification	Compal Secret Data			Compal Electronics, Inc.	
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title	SCREW HOLE
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.					
Size Custom	Document Number LA-8671P_SDV	Rev 1.0	Date: Thursday, October 04, 2012	Sheet 38	of 50

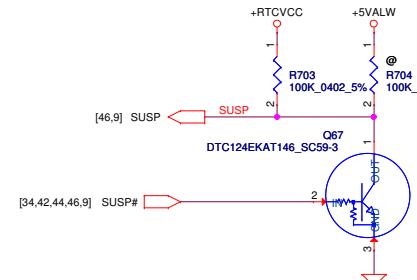
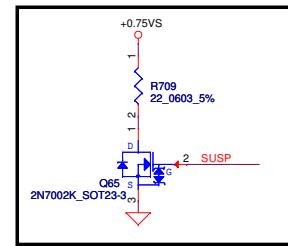
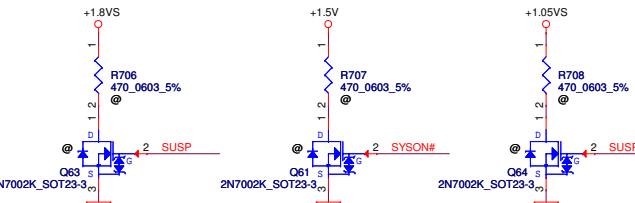
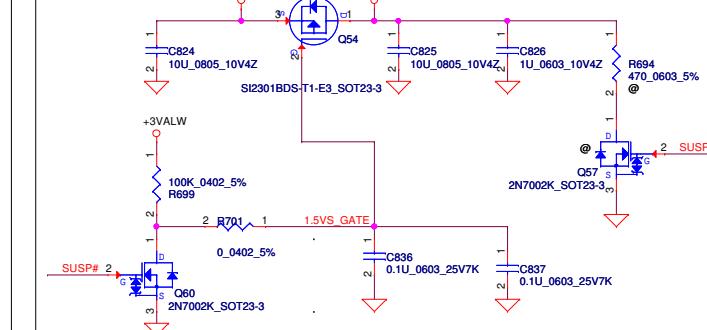
+5VALW TO +5VS



+3VALW TO +3VS



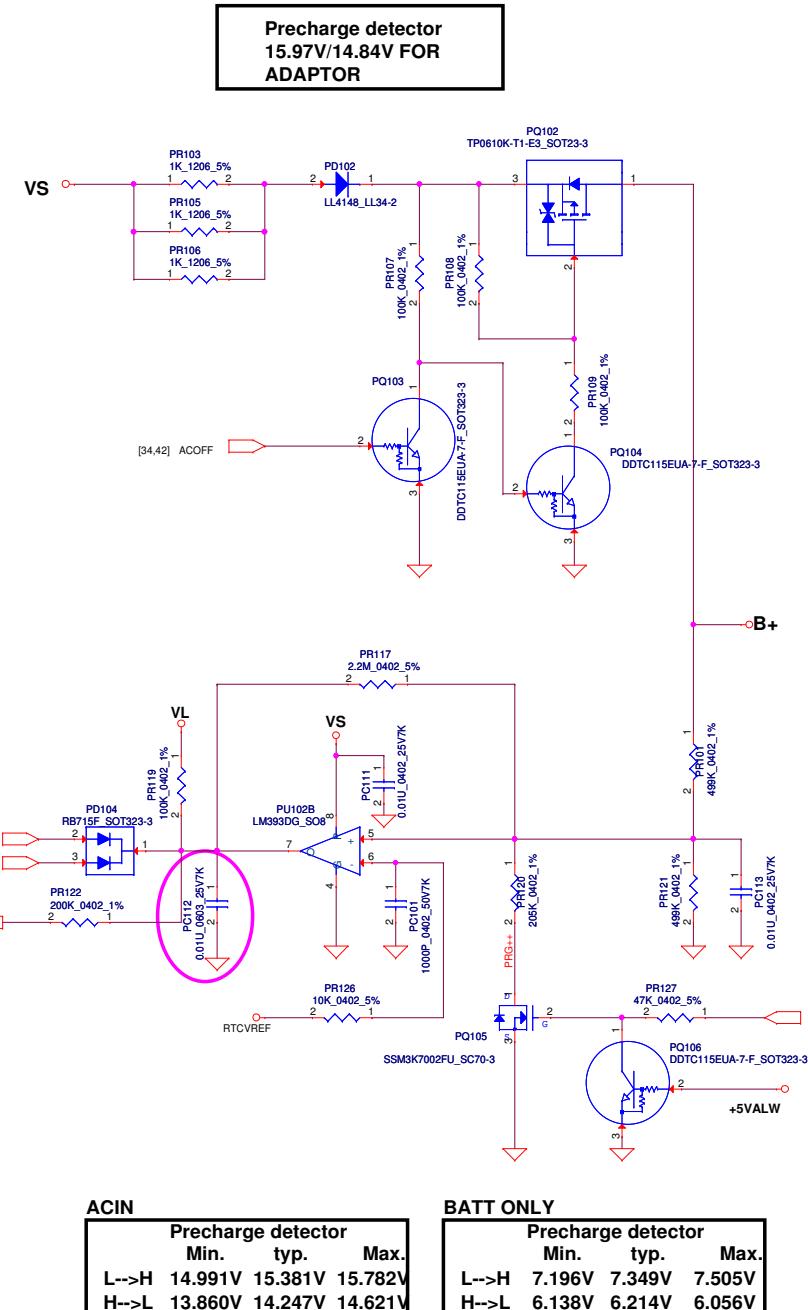
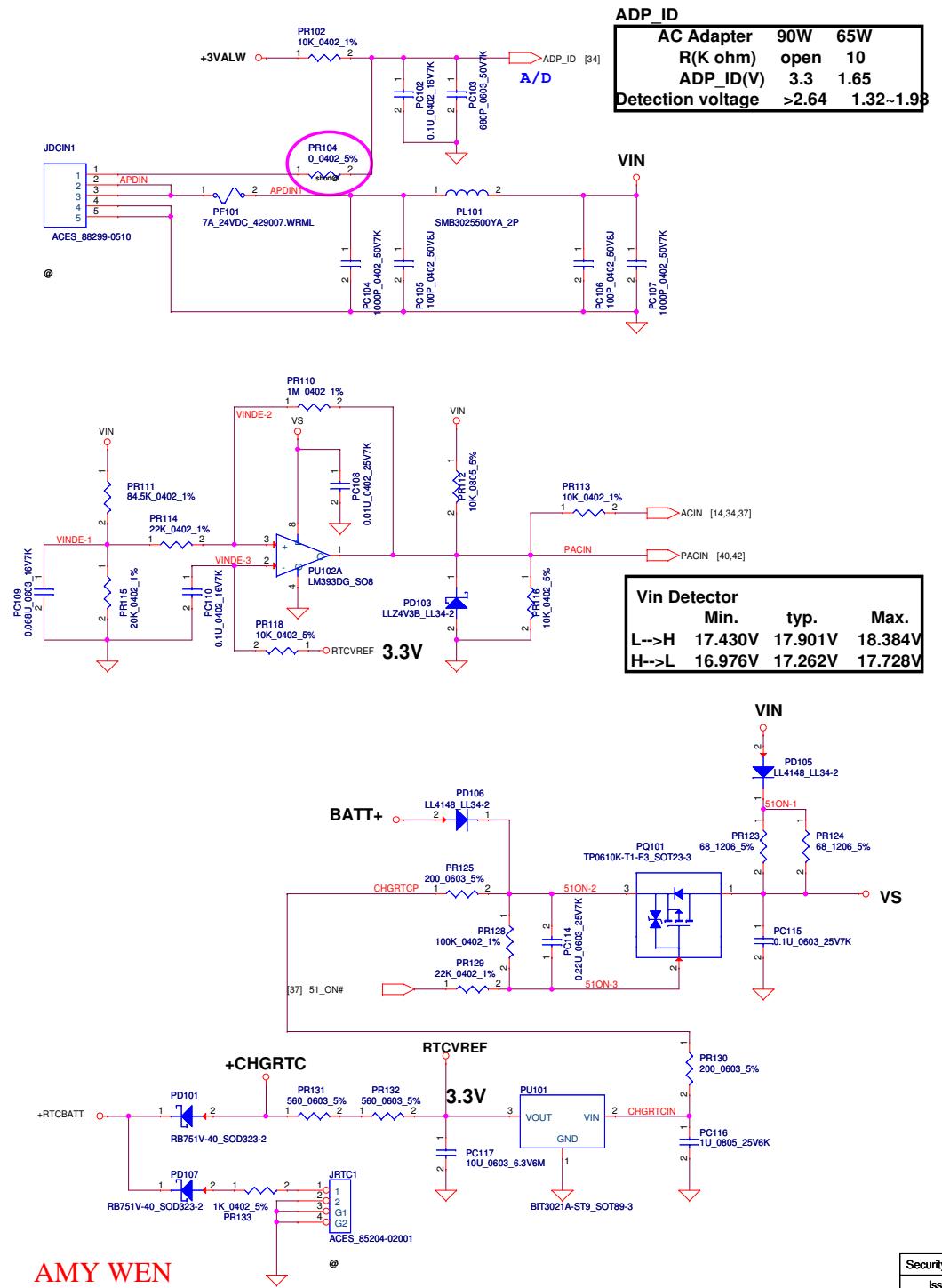
+1.5V to +1.5VS



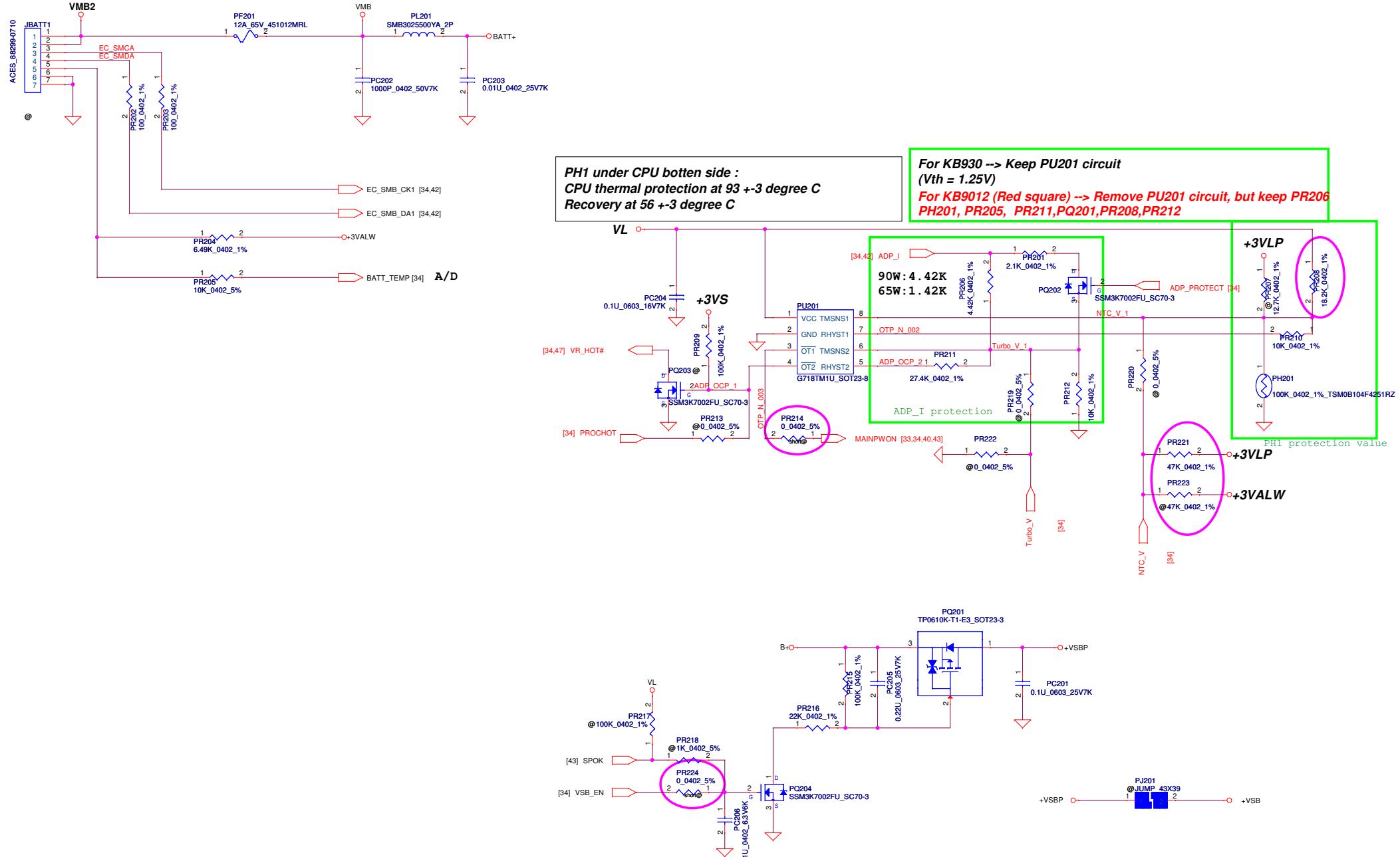
AMY WEN

WWW.Vinax.vn

Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	Deciphered Date	2012/08/25	Title	DC Interface
2010/08/25				
Custom	Document Number	LA-8671P_SDV	Rev. 1.0	Date: Thursday, October 04, 2012 Sheet 39 of 50



Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2010/01/25	Deciphered Date	2010/12/31	Title	PWR DCIN / Vin Detector / Pre-charge
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT WITH THE WRITTEN APPROVAL OF COMPAL ELECTRONICS, INC. THIS SHEET HAS NO INFORMATION IT CONTAINS MAY BE USED OR DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.					
Size/Custom	Document Number:	Rev			
C38 Chief River Schematic		0.4			
Date:	Thursday, October 04, 2012	Sheet	40	of	50



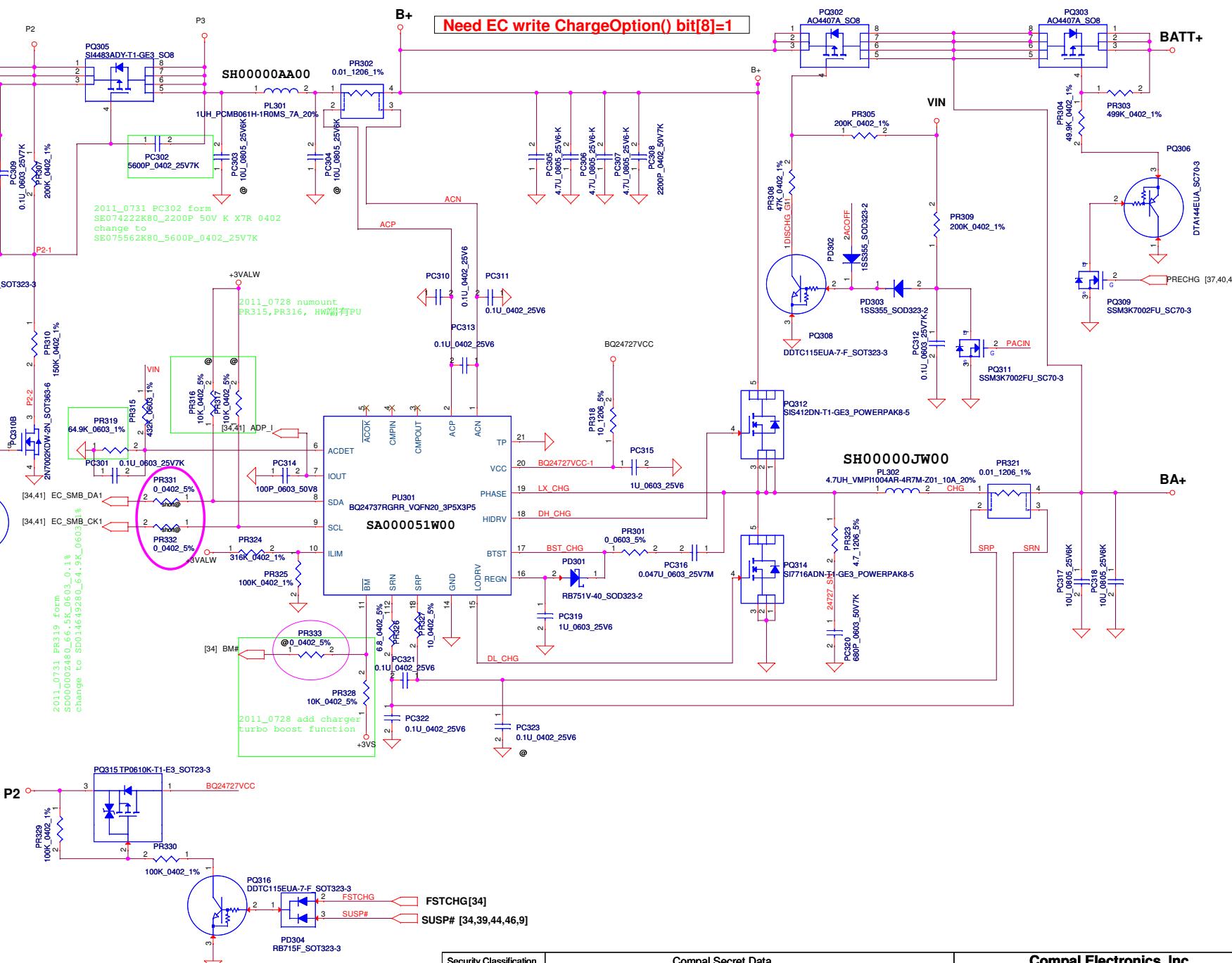
AMY WEN

AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THIS DEPARTMENT TO CIBER AUTHORIZED CONTRACTOR OR SUBCONTRACTOR. IT MAY BE USED ONLY AND DISCLOSED TO ANY HIRING PARTY WITHOUT PRIOR WRITTEN CONSENT.

Security Classification	Compal Secret Data			<b>Compal Electronics, Inc.</b>	
Issued Date	2010/01/25	Deciphered Date	2010/12/31	Title	<b>PWR-BATTERY CONN/OTP</b>
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF FICU DEPARTMENT TO ANY OTHER AUTORIZED COMPALEL TRONIC INC. EMPLOYEE. THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.					
TECHNICAL DRAWING	Document Number	Rev	1.0	C38 Chief River Schematic	
Custom				Date:	Thursday, October 04, 2012
				Sheet	41 of 50

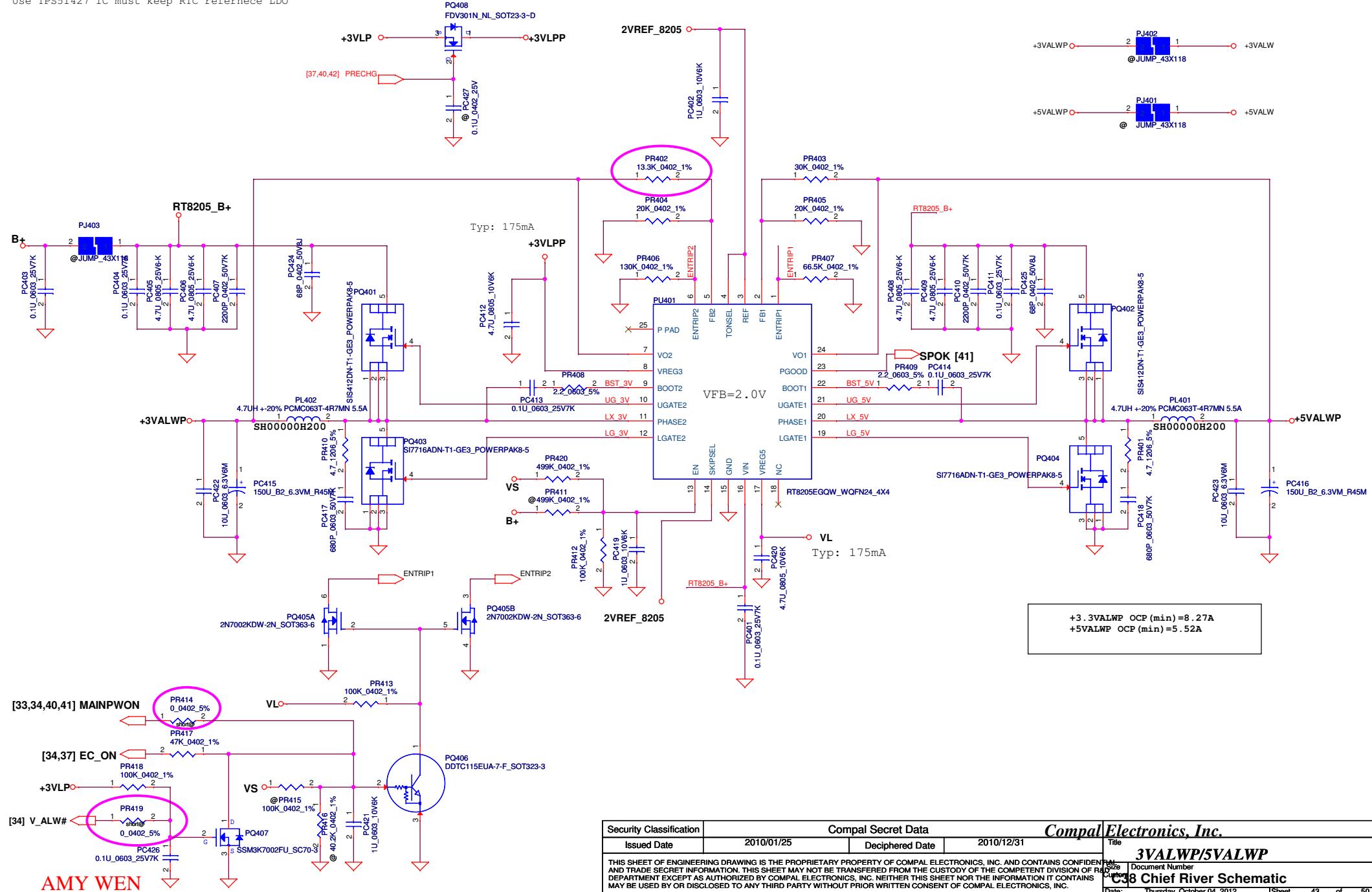
CHGVADJ=(Vcell-4)/0.10627	
Vcell	CHGVADJ
4V	0V
4.2V	1.882V
4.35V	3.2935V

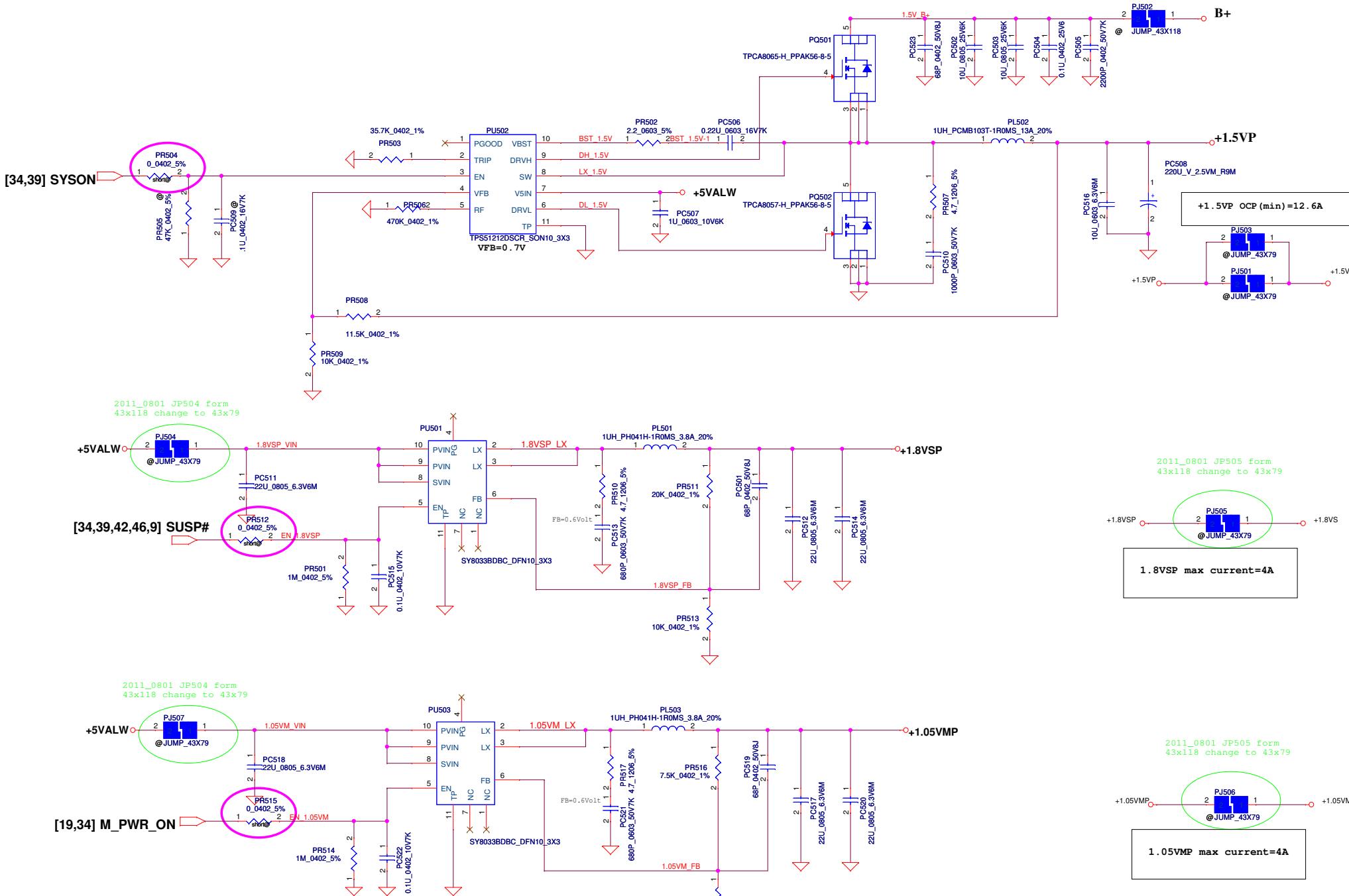
CC=0.25A~3A  
IREF=1.016\*Icharge  
IREF=0.254V~3.048V  
VCHLIM need over 95mV



Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	2010/01/13	Deciphered Date	2011/01/13	Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF COMPAL ELECTRONICS, INC. WITHOUT THE AUTHORITY OF THE COMPETENT DIVISION. THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				
Document Number:	F0726	Rev. 1.0	CHARGER	C29 Chief River Schematic
Date:	Thursday, October 06, 2011	Page:	1	50

Note:  
Use TPS51125 IC can remove RTC reference LDO  
Use TPS51427 IC must keep RTC reference LDO





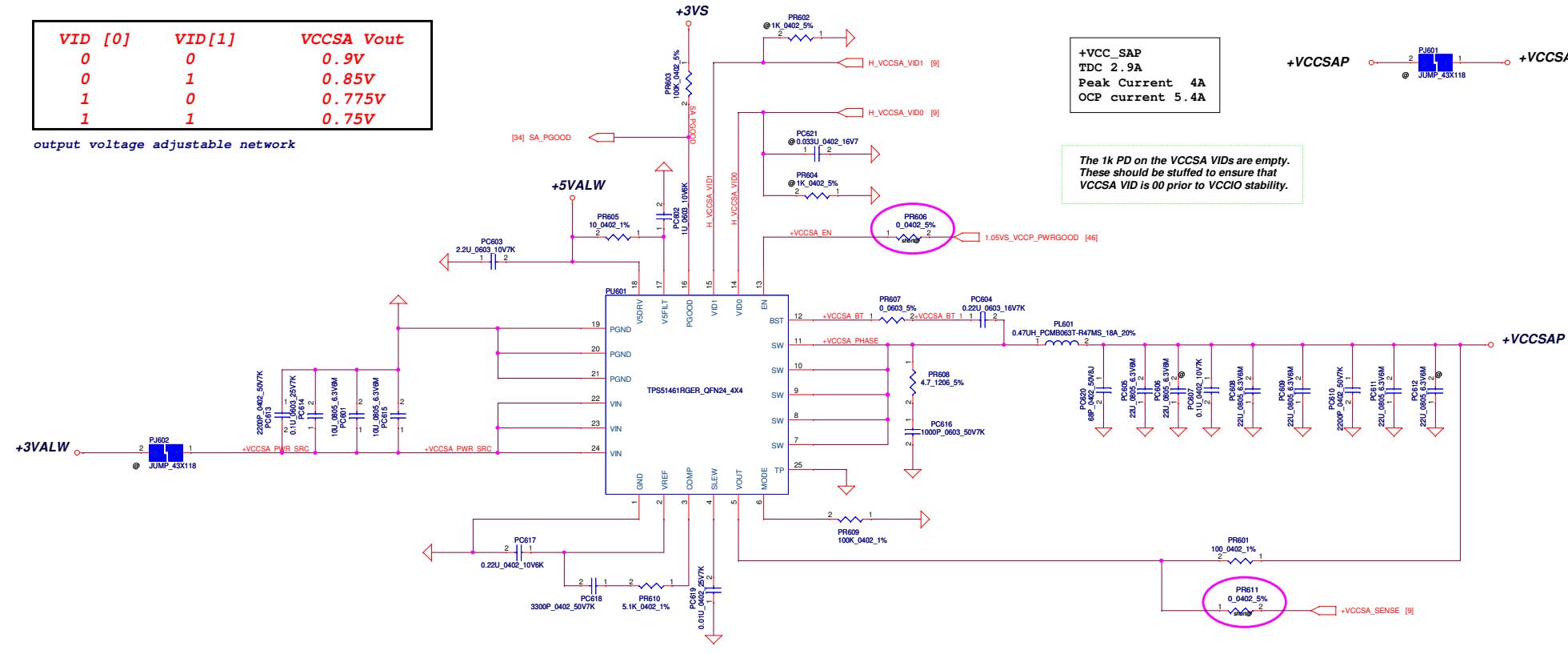
Security Classification	Compal Secret Data		Compal Electronics, Inc.
Issued Date	Deciphered Date	Rev	Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE COPIED OR DISCLOSED OUTSIDE THE DIVISION OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY ANYONE OTHER THAN THE RECIPIENT TO MAKE ANY PRODUCT WITHOUT WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.			
Custom	Document Number	1.0	PWR-+1.5VP/+1.8VSP
C38 Chief River Schematic	Date:	Thursday, October 04, 2012	Sheet 44 of 50

AMY WEN

WWW.VIAGRIX.VN

<b>VID [0]</b>	<b>VID[1]</b>	<b>VCCSA</b>	<b>Vout</b>
0	0		0.9V
0	1		0.85V
1	0		0.775V
1	1		0.75V

### *output voltage adjustable network*

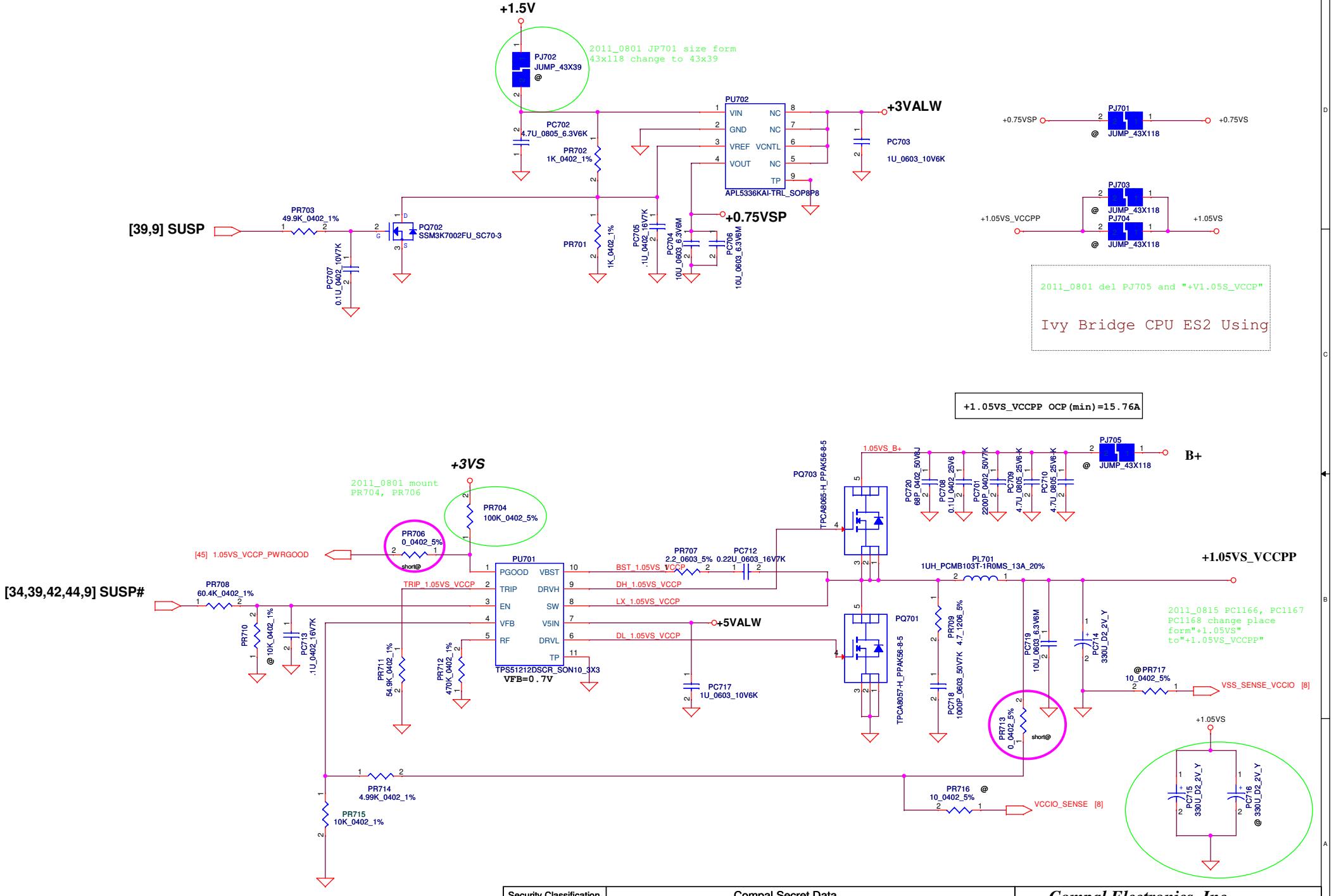


2011 0801 del +V1.05S VCCPP circuit

AMY WEN

WWW.Vinamix.Vn

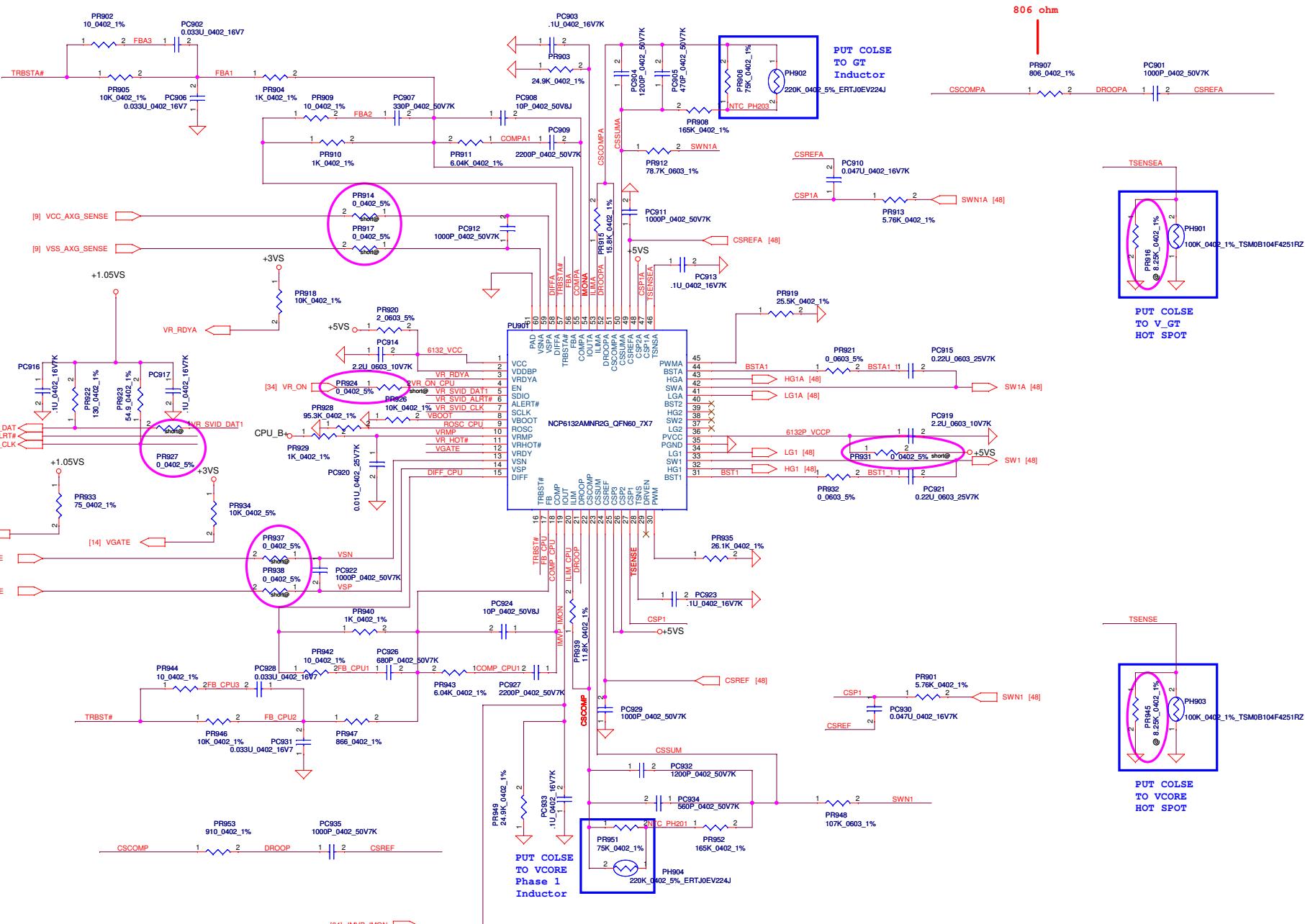
Security Classification	Compal Secret Data		Compal Electronics, Inc.
Issued Date	2010/01/25	Deciphered Date	2010/12/31
			Title <b>PWR +VCCSAP</b>
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE COPIED OR REPRODUCED, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. IT IS THE PROPERTY OF COMPAL ELECTRONICS, INC. AND IS LOANED TO YOU FOR YOUR USE. IT MAY NOT BE USED OR DISCLOSED BY ANYONE OTHER THAN THOSE APPROVED BY COMPAL ELECTRONICS, INC. IT MAY NOT BE COPIED OR REPRODUCED, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.			Size C Document Number C38 Chief River Schematic Rev 1.0 Date: Thursday, October 04, 2012   Sheet 45 of 50



AMY WEN

AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE  
DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAK ELECTRONICS INC. NEITHER THIS SHEET NOR THE  
INFORMATION CONTAINED HEREIN MAY BE REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF THE  
DEPARTMENT.

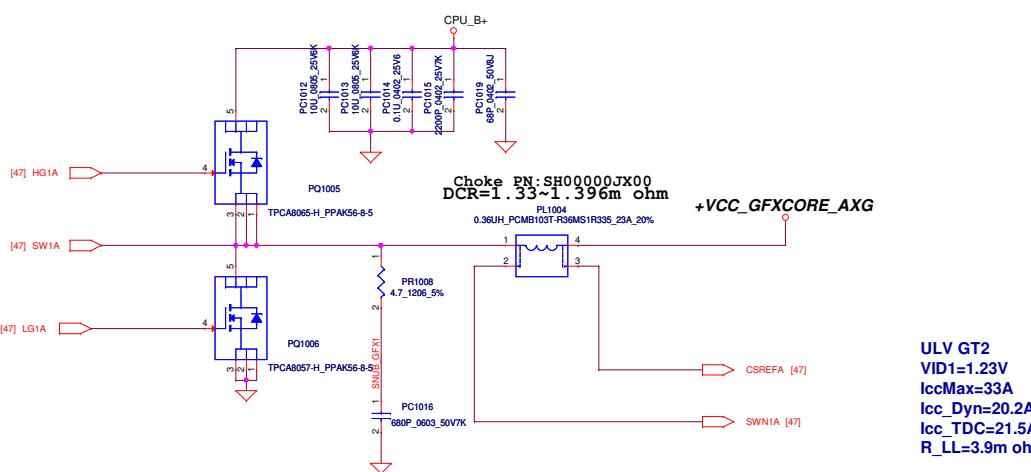
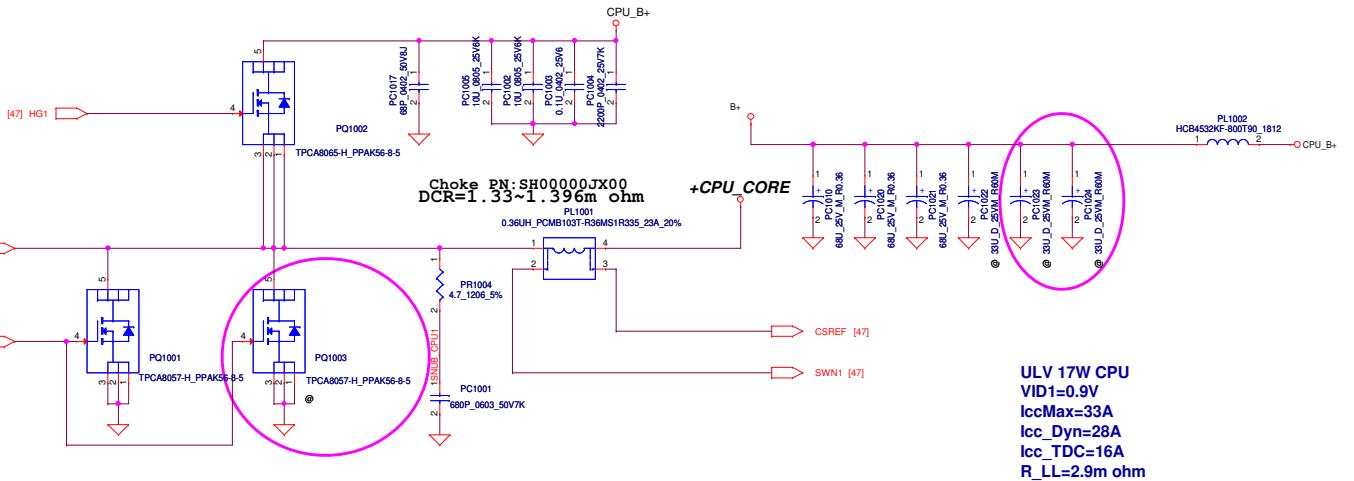
Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2010/01/25	Deciphered Date	2010/12/31	Title	PWR +1.05VS VCCPP/+0.75VSP	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT, EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE RELEASSED OR DISCLOSED TO ANY THIRD PARTY WITHOUT WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number	Rev
Custom	C38 Chief River Schematic		1.0			
	Date:	Thursday, October 04, 2012	ISheet	46	of	50



AMY WEN

**www.Vinamfix.com**

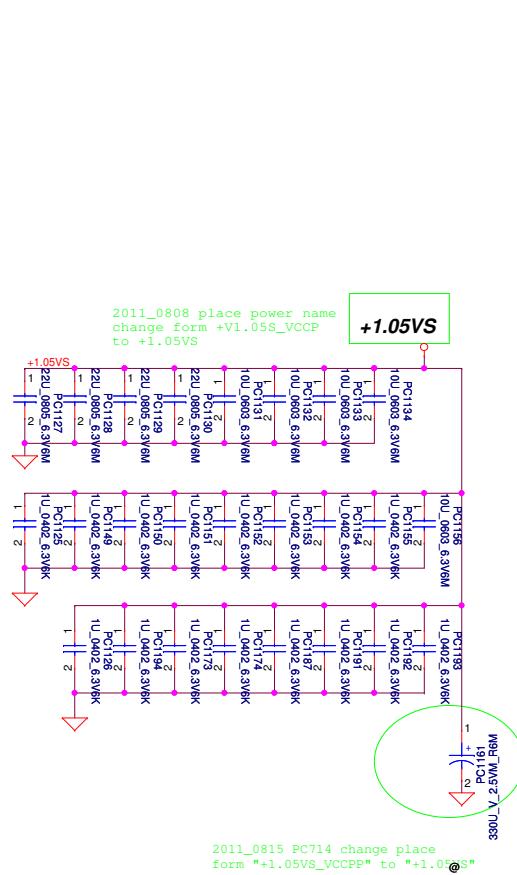
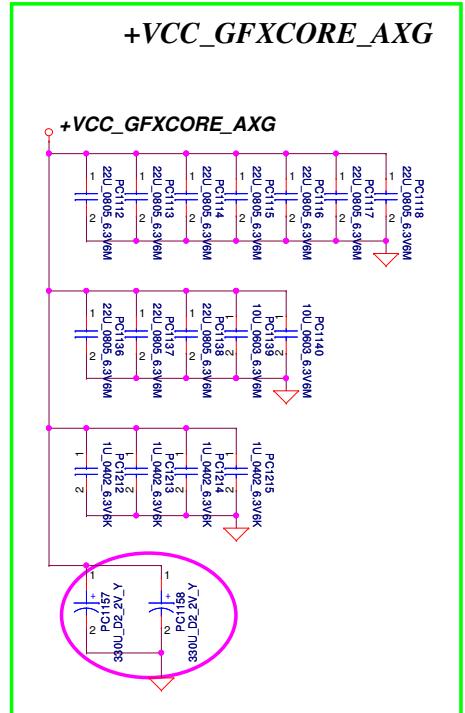
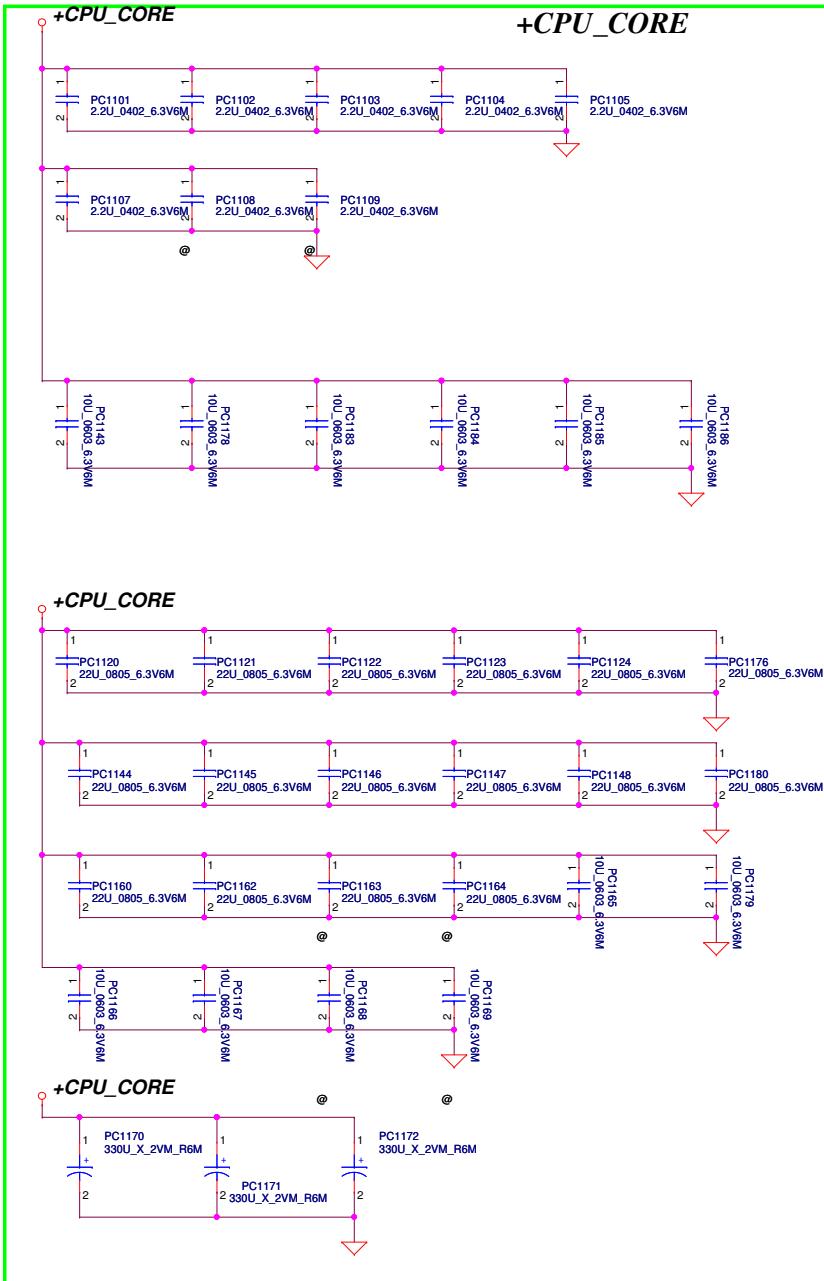
Security Classification	Compal Secret Data			<i>Compal Electronics, Inc.</i>	
Issued Date	2009/12/01	Deciphered Date	2010/12/31	Title	<i>PWR-CPU_CORE</i>
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPALELECTRONICS, INC. AND CONTAINS CONFIDENTIAL INFORMATION. IT IS TO BE KEPT SECRET AND IS NOT TO BE COPIED OR DISCLOSED OUTSIDE THE COMPANY DIVISION OF RESEARCH & DEVELOPMENT. IT IS AUTHORIZED FOR USE ONLY BY EMPLOYEES OF COMPALELECTRONICS, INC. THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE COPIED OR DISCLOSED OUTSIDE THE COMPANY DIVISION OF RESEARCH & DEVELOPMENT WITHOUT PRIOR WRITTEN CONSENT OF COMPALELECTRONICS, INC.				SPNs	Document Number C38 Chief River Schematic
				Rev	1.0
				Date:	Thursday, October 04, 2012
				Sheet	1 of 50



AMY WEN

www.vinamix.vn

Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	Deciphered Date	Title		PWR-CPU CORE
2009/12/01	2010/12/31			
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IT MUST NOT BE COPIED OR DISCLOSED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&D DEPARTMENT. COPIES AS WELL AS ANY COMPUTER EDITION OF THIS SHEET MUST NOT BE MADE UNLESS IT CONTAINS A STATEMENT THAT IT IS A COPY OF THE ORIGINAL WHICH WAS APPROVED BY COMPAL ELECTRONICS, INC. WHETHER THIS SHEET IS USED OR INCORPORATED IN A THIRD PARTY WORK. PRIOR TO FURNISHING IT, IT MUST BE APPROVED BY COMPAL ELECTRONICS, INC.				
Size: Custom	Document Number: C38 Chief River Schematic	Rev: 1.0	Date: Thursday, October 04, 2012	Sheet 48 of 50



## Version change list (P.I.R. List)

Page 1 of 1  
for PWR

Item	Reason for change	PG#	Modify List	Date	Phase
1	NCP6132A update SPEC	P47	Remove PR916, PR945	2012/06/05	
2	Thermal verify PH1 setting point	P41	Change PR208 value to 18.2K	2012/06/08	
3	ME demand : Keyboard assembly issue	P44	Change PL401, PL402 to High=2.4mm (SH00000H200)	2012/06/08	
4	Noise is PASS, Don't need 33u CAP	P48	Remove PC1023, PC1024	2012/06/08	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

AMY WEN

Security Classification	Compal Secret Data			Compal Electronics, Inc.	
Issued Date	2009/01/06	Deciphered Date	2009/01/06	Title	PIR (PWR)
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IT IS SUPPLIED AND INSPECTED FROM THE PROPERTY OF THE COMPANY DIVISION OF R&D DEPARTMENT FOR INTERNAL USE ONLY. NO PART OF THIS DRAWING MAY BE COPIED OR REPRODUCED. THE INFORMATION IT CONTAINS MAY NOT BE USED BY ANYONE ELSE TO MAKE THIS DRAWING WITH OUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.					
Size	Document Number	Rev			
Custom	C38 Chief River Schematic	1.0			
Date:	Thursday, October 04, 2012		Sheet	50	of 50

www.vinamix.vn