

Compal Confidential

Model Name :
File Name : LA-8671P

Compal Confidential

TN-Note Schematic Document

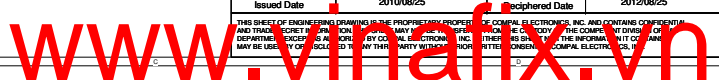
2012-10-04

REV:1A_1004A

AMY WEN

Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2010/08/25	Deciphered Date	2012/08/25	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 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	Document Number	Rev
				Custom	LA-8671P_SDV	1A
				Date:	Thursday, October 04, 2012	Sheet 1 of 50

Model Name : TN-Note
File Name : Block Diagram



Voltage Rails

Power plane					
State					
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

BOM Structure

	SDV	FVT	SIT	SVT	SOVP
@ : No Stuff					
ME@ : ME components					
CPUx@ : CPU SKU	V	V	V	V	V
DDRx@ : RAM SKU	V	V	V	V	V
SBA@ : SBA	V	V	V	V	V
NOSBA@ : NO SBA					
ID4@ : Intel Deep S4	V				
AOAC@ : AOAC	V	V	V	V	V
TPM@ : TPM		V	V	V	V
Short@ : 0ohm short pad					

AMY WEN

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	

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

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

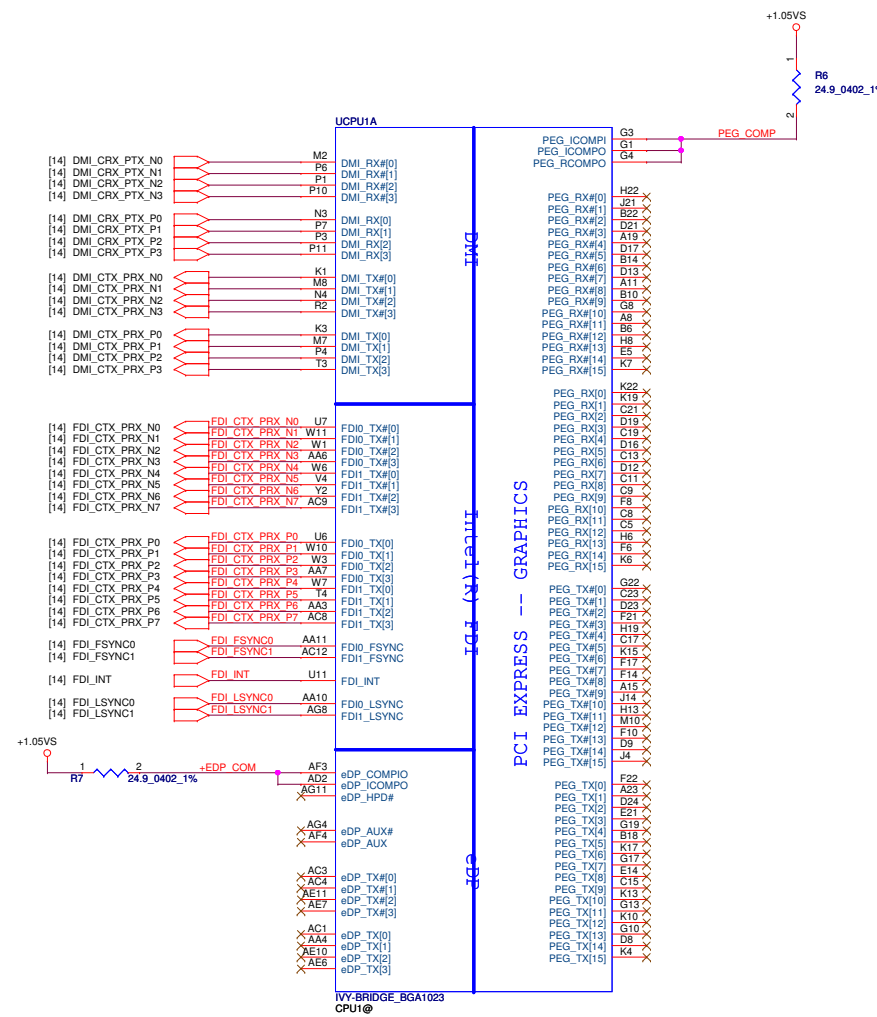
Sensor HUB

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**

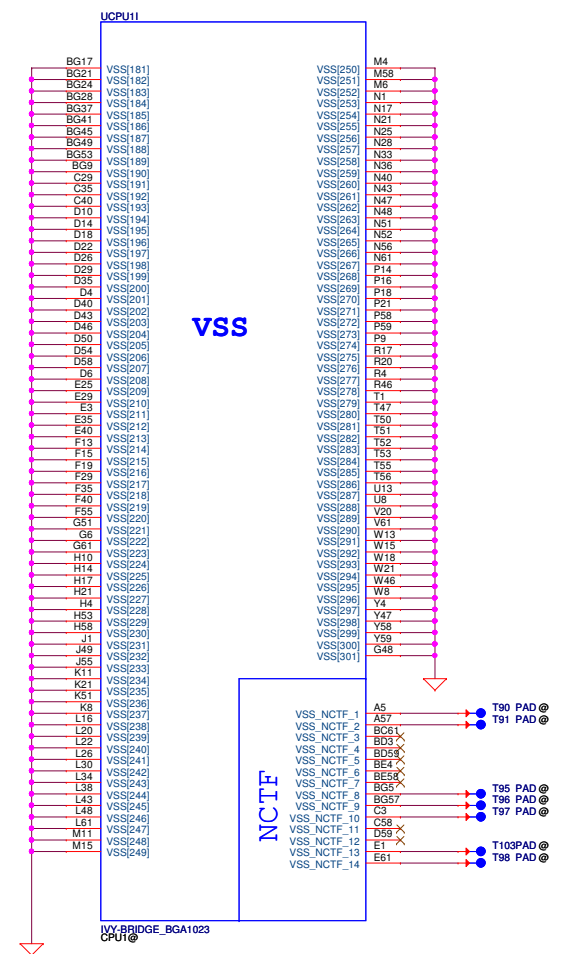
* Debug Port
** Not Use

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 COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF HEADQUARTERS OF COMPAL ELECTRONICS, INC. WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.		Title Cover Sheet	
DEPARTMENT OF CUSTOMER SERVICE		Document Number LA-8671P	Rev 1A
Date: Thursday, October 04, 2012		Sheet 3 of 50	



PEG_ICOMPI and RCOMPO signals should be shorted and routed with - max length = 500 mils - typical impedance = 43 mohms
PEG_ICOMPO signals should be routed with - max length = 500 mils - typical impedance = 14.5 mohms

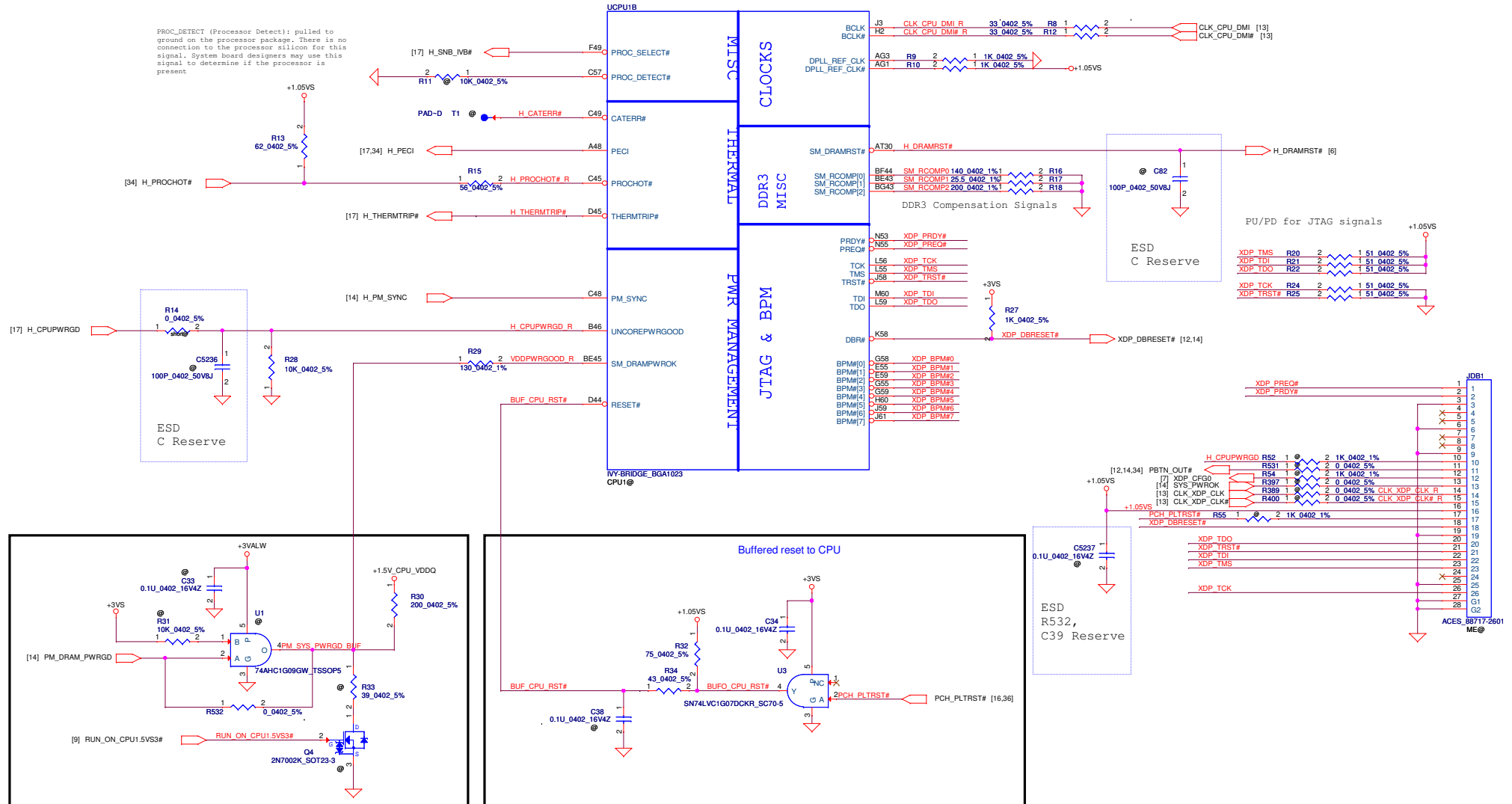
CFG2	★ 1: Normal Operation; Lane # definition matches socket pin map definition 0: Lane Reversed
------	--



AMY WEN

Security Classification		Compal Secret Data		Title		Compal Electronics, Inc.	
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Size	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 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.				Date:	Thursday, October 04, 2012	Sheet	4 of 50

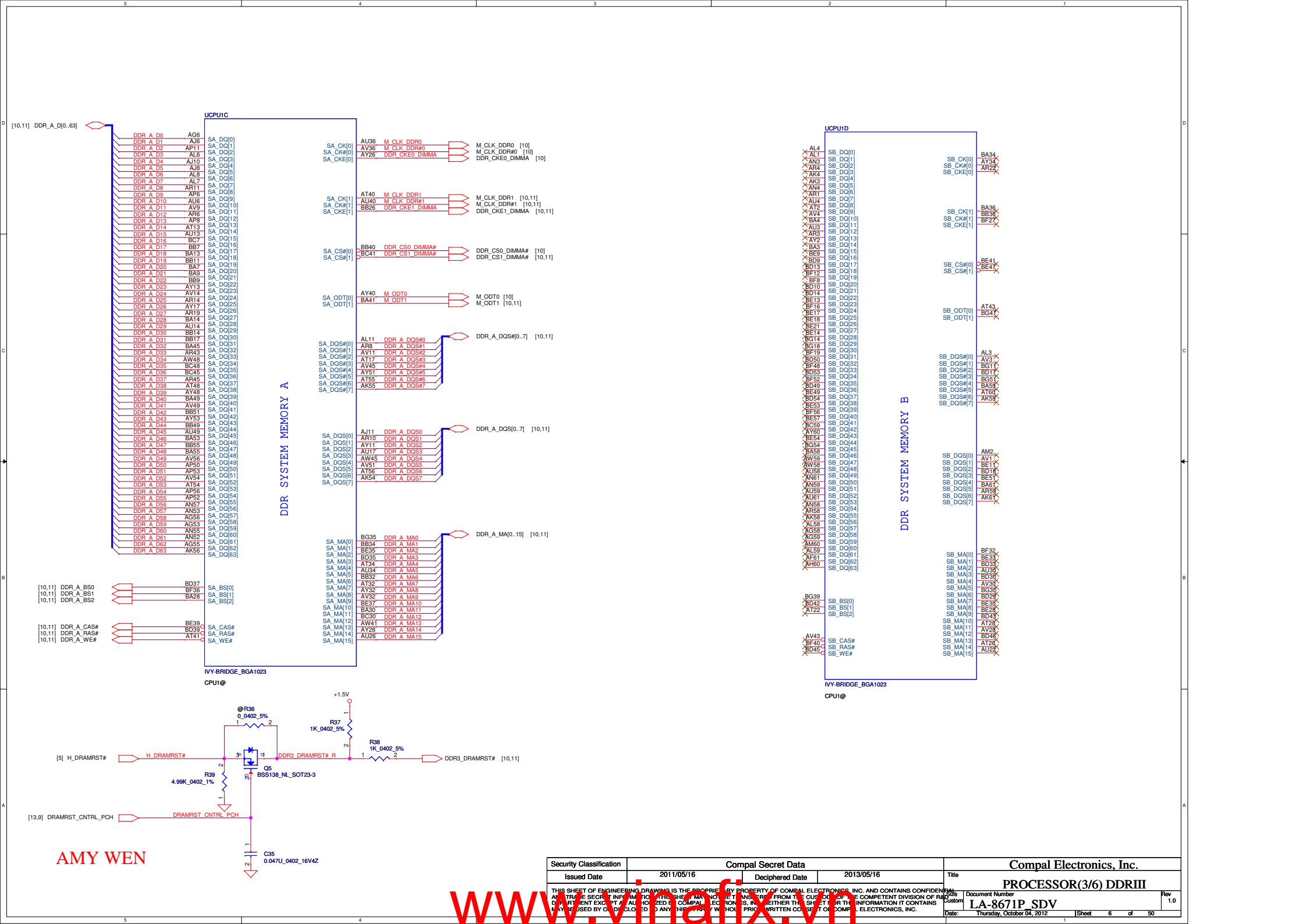
PROC_DETECT (Processor Detect): pulled to ground on the processor package. There is no connection to the processor silicon for this signal. System board designers may use this signal to determine if the processor is present.

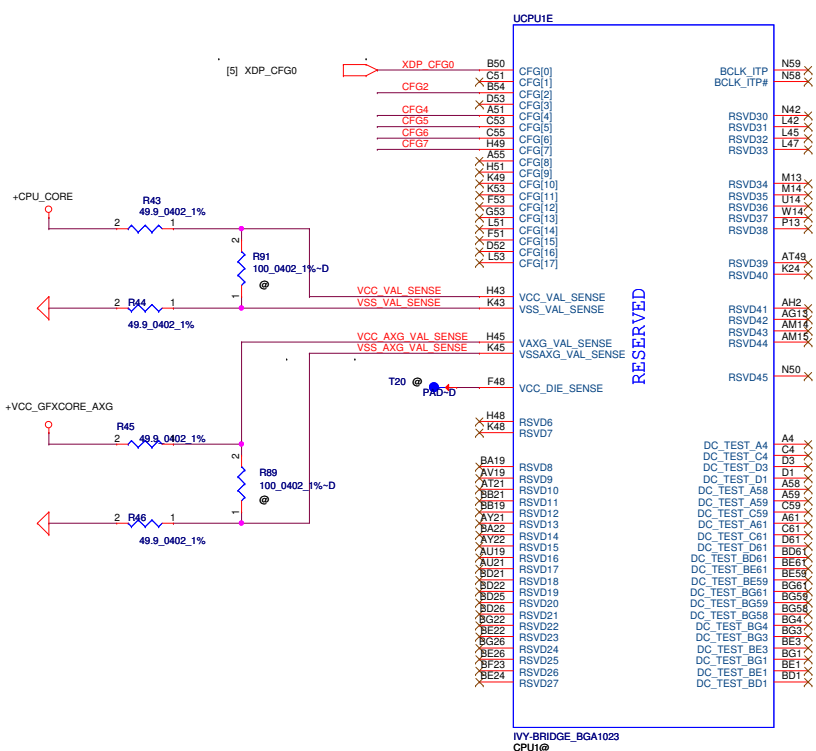


AMY WEN

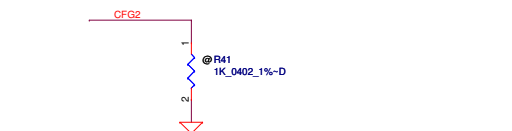
Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title	PROCESSOR(2/6) PM,XDP,CLK
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED 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	Document Number
				Custom	LA-8671P_SDV
				Date	Thursday, October 04, 2012
				Sheet	5 of 50

www.vitalix.vn

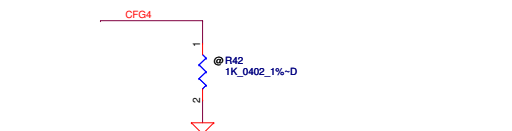




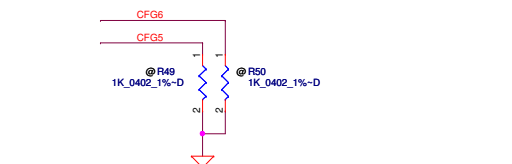
CFG Straps for Processor



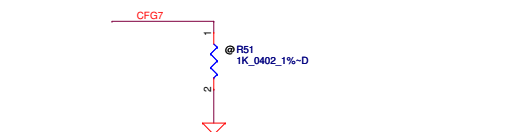
PEG Static Lane Reversal - CFG2 is for the 16x	
CFG2	*1: (Default) Normal Operation; Lane # definition matches socket pin map 0: Lane Reversed



Display Port Presence Strap	
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



PCIe Port Bifurcation Straps	
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



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

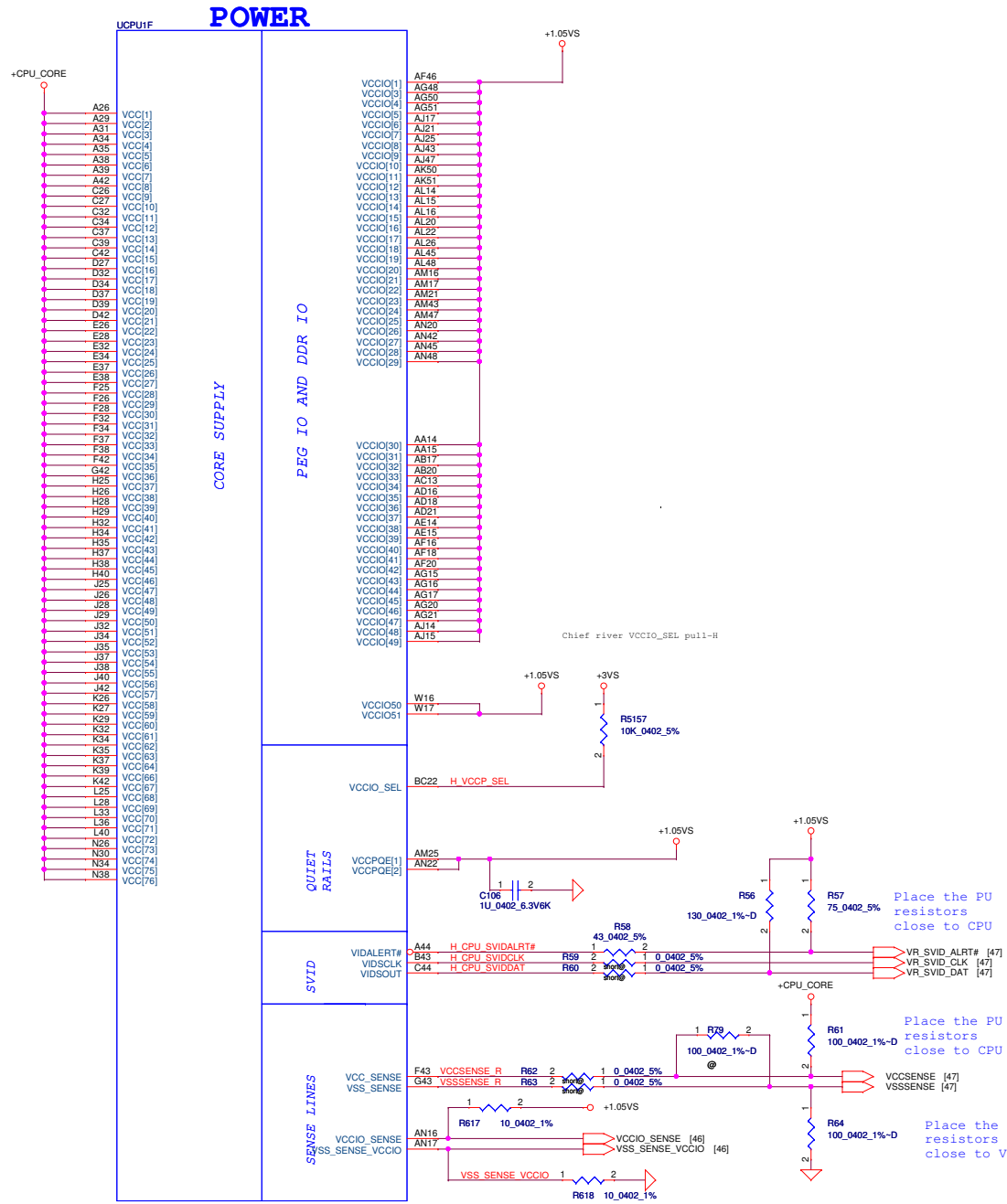
AMY WEN

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title	PROCESSOR(4/6) RSVD,CFG
THIS SHEET OF ENGINEERING DRAWING IS THE PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL INFORMATION. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC.				Document Number	LA-8671P SDV
				Date	Thursday, October 04, 2012
				Sheet	7 of 50

CPU_CORE
GFX_CORE
VCCP1.05

VGA_CORE

All Capacitor place on Power side.



IVY-BRIDGE_BGA1023

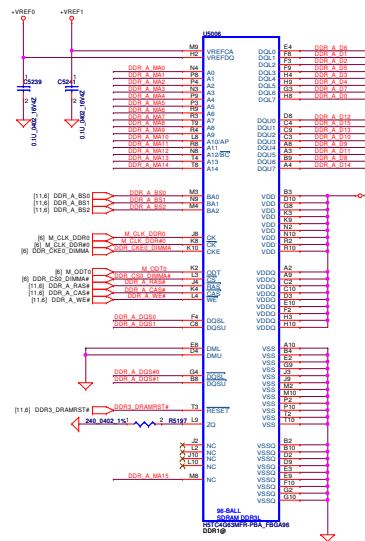
CPU1@

AMY WEN

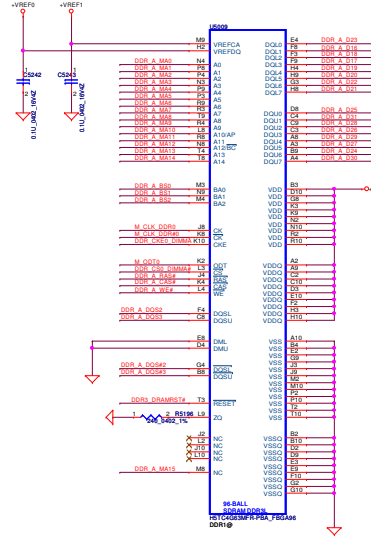
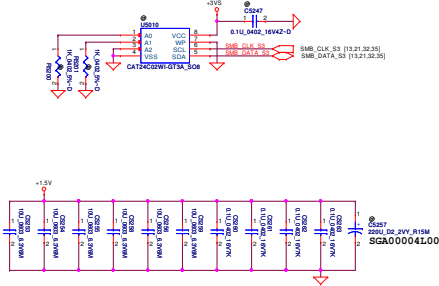
Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title	PROCESSOR(5/6) PWR,BYPASS
THIS SHEET OF ENGINEERING DRAWING IS THE PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL INFORMATION. IT IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT WAS ISSUED. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC.				Document Number	LA-8671P_SDV
				Date	Thursday, October 04, 2012
				Sheet	8 of 50



[1:6] DDR_A_M0:15
 [1:6] DDR_A_D0569:7
 [1:6] DDR_A_D0569:7
 [1:6] DDR_A_D0569:7
 [1:6] DDR_A_D0569:7



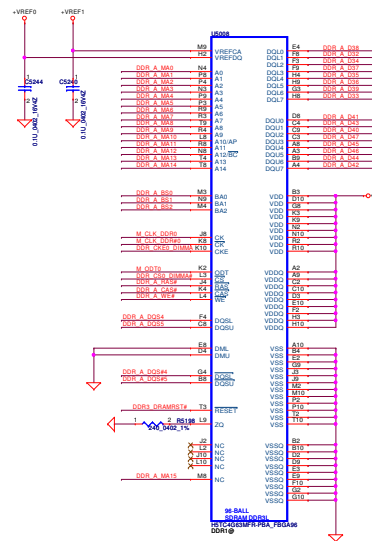
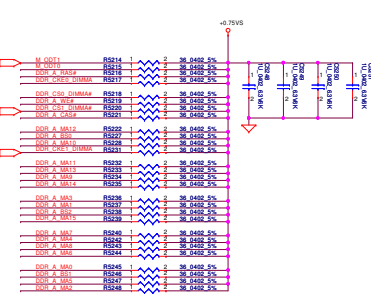
SA00001IV10



[1:6] M_CLK

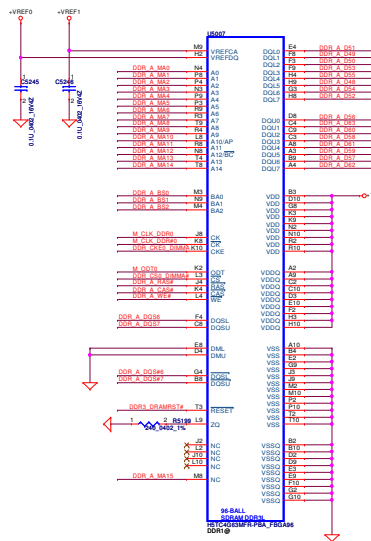
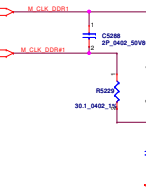
[1:6] DDR_CSI_DMM

[1:6] DDR_CKE1_DMM



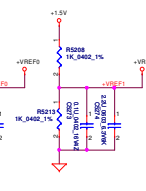
[1:6] M_CLK_D0R1

[1:6] M_CLK_D0R1



[1:6] M_CLK_D0R1


[1:6] M_CLK_D0R1

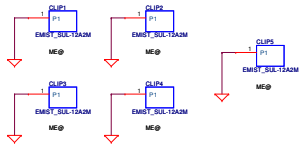
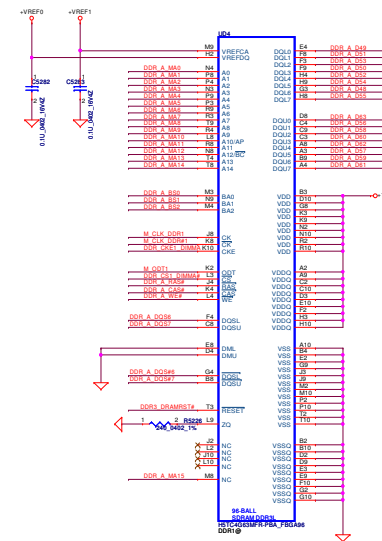
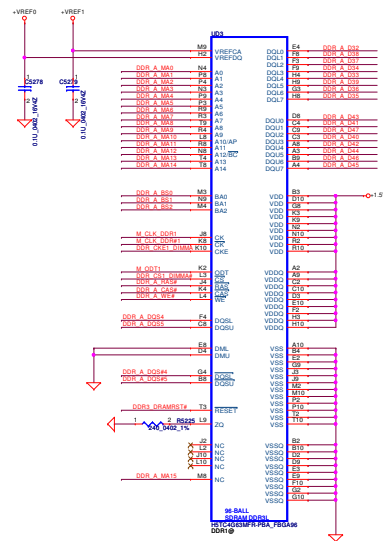
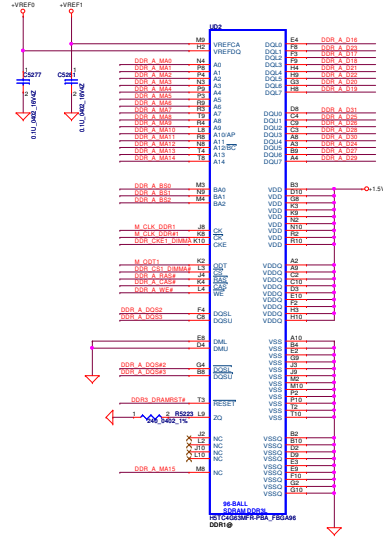
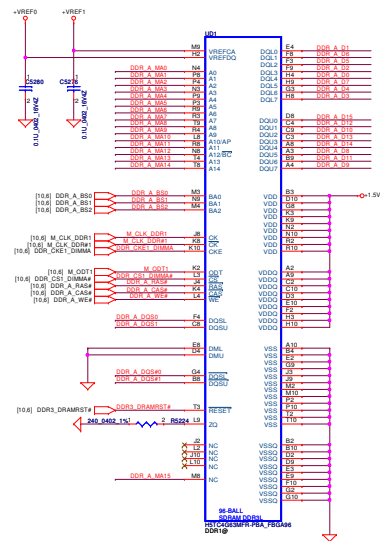


Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2011/05/16	Designated Date	2013/05/16	Item	DDRIII A Chip 2Gbit X16-1
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM COMPAL ELECTRONICS, INC.					
Rev	1	LA-8671P SPV	Rev	1A	
Date	Thursday, October 24, 2013	Drawn	10	of	30

AMY WEN

www.vinafix.vn

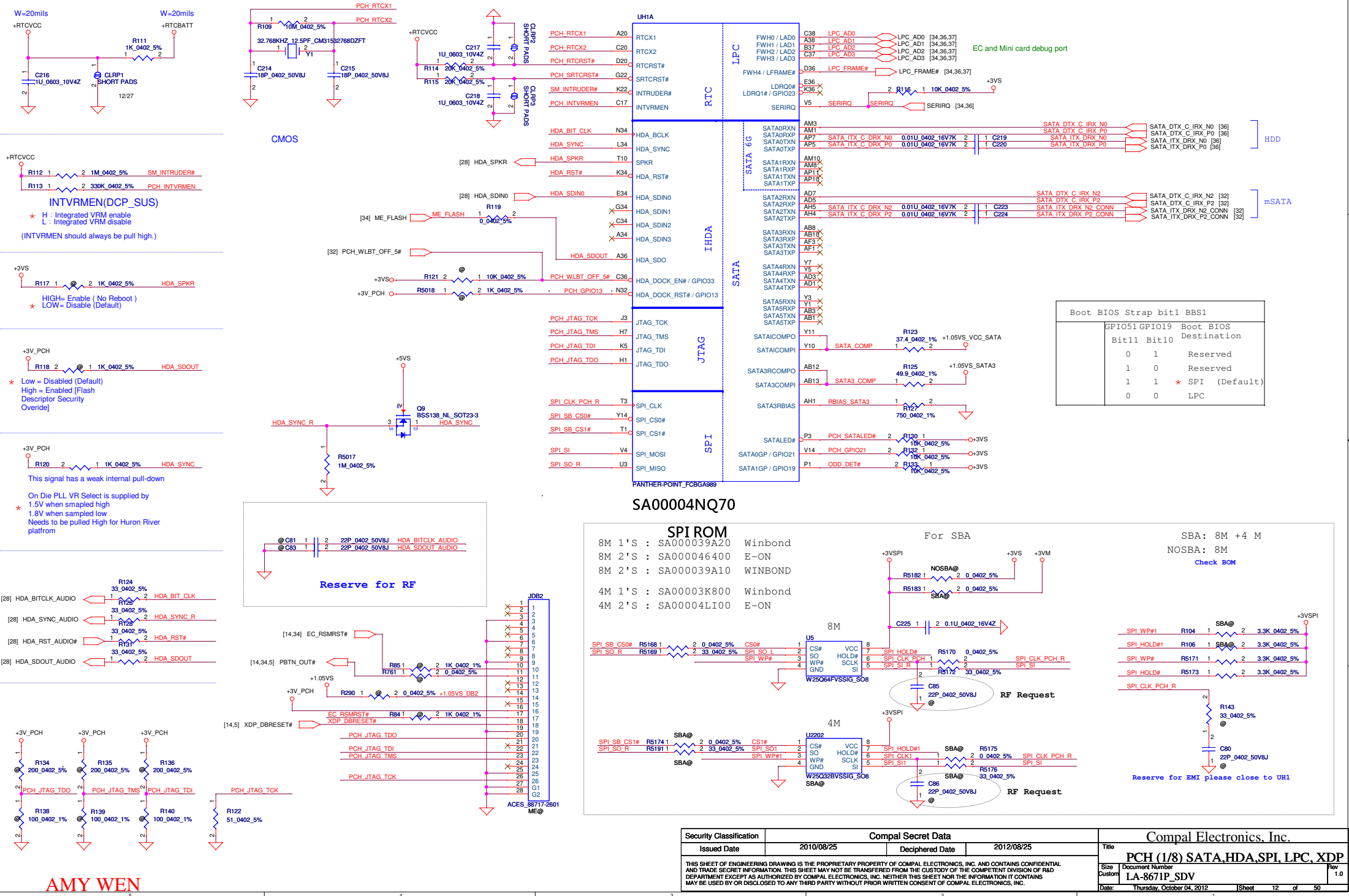
[16A] DDR_A_M0D[15]  DDR_A_M0D[15]
 [16A] DDR_A_DQ60[7]  DDR_A_DQ60[7]
 [16A] DDR_A_DQ60[7]  DDR_A_DQ60[7]
 [16A] DDR_A_DQ[43]  DDR_A_DQ[43]

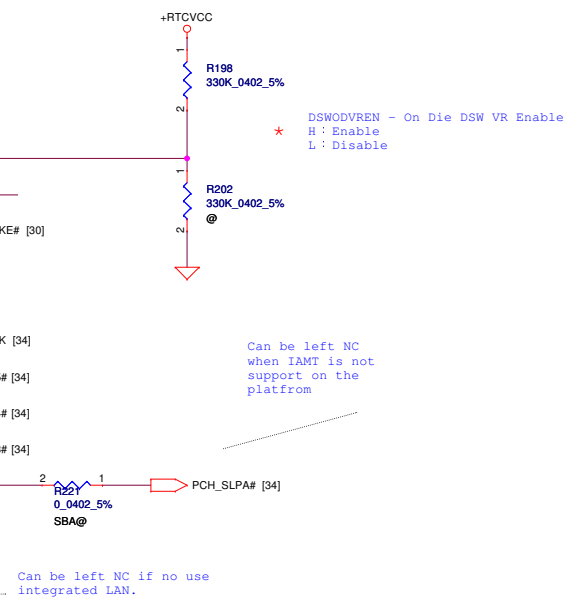
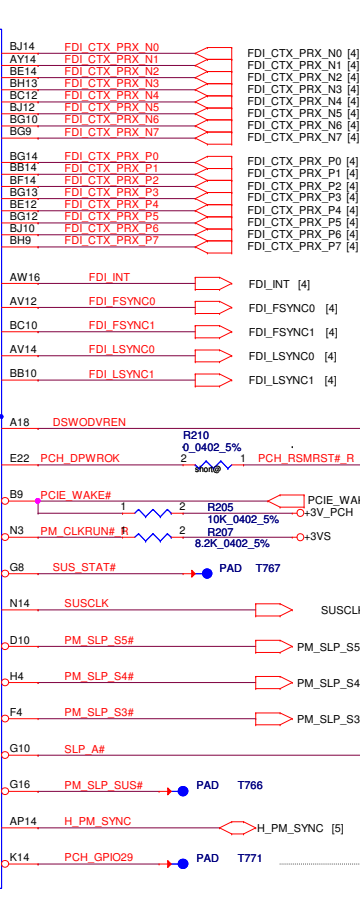
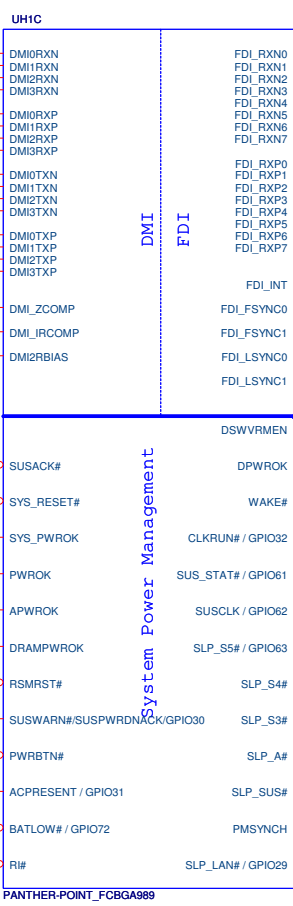
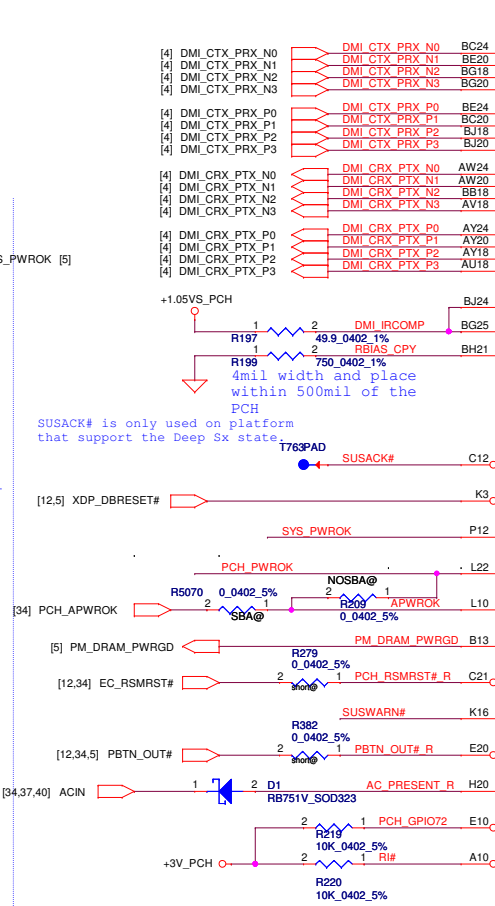
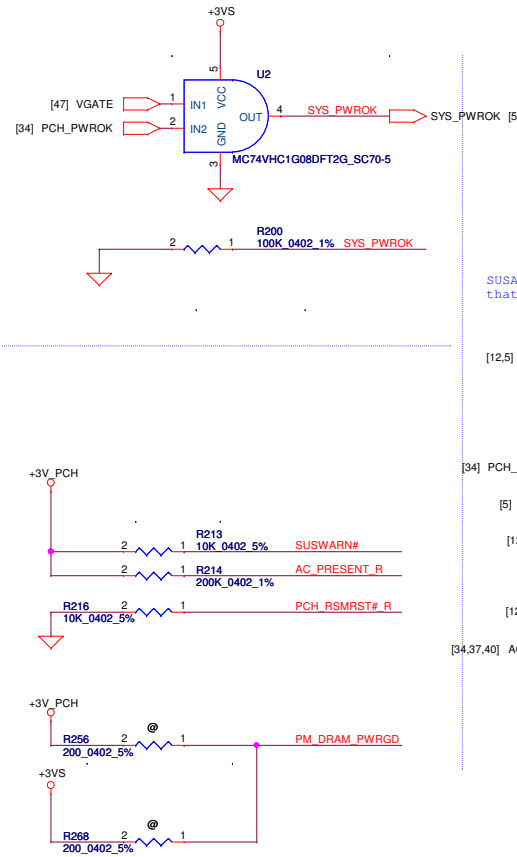


Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2011/05/16	Discontinued Date	2013/05/16	Rev	1A
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM COMPAL ELECTRONICS, INC.					
Doc No	LA-8671P SPD				Rev
Issue	Thursday, October 24, 2013				11 of 30

AMY WEN

www.vinafix.vn

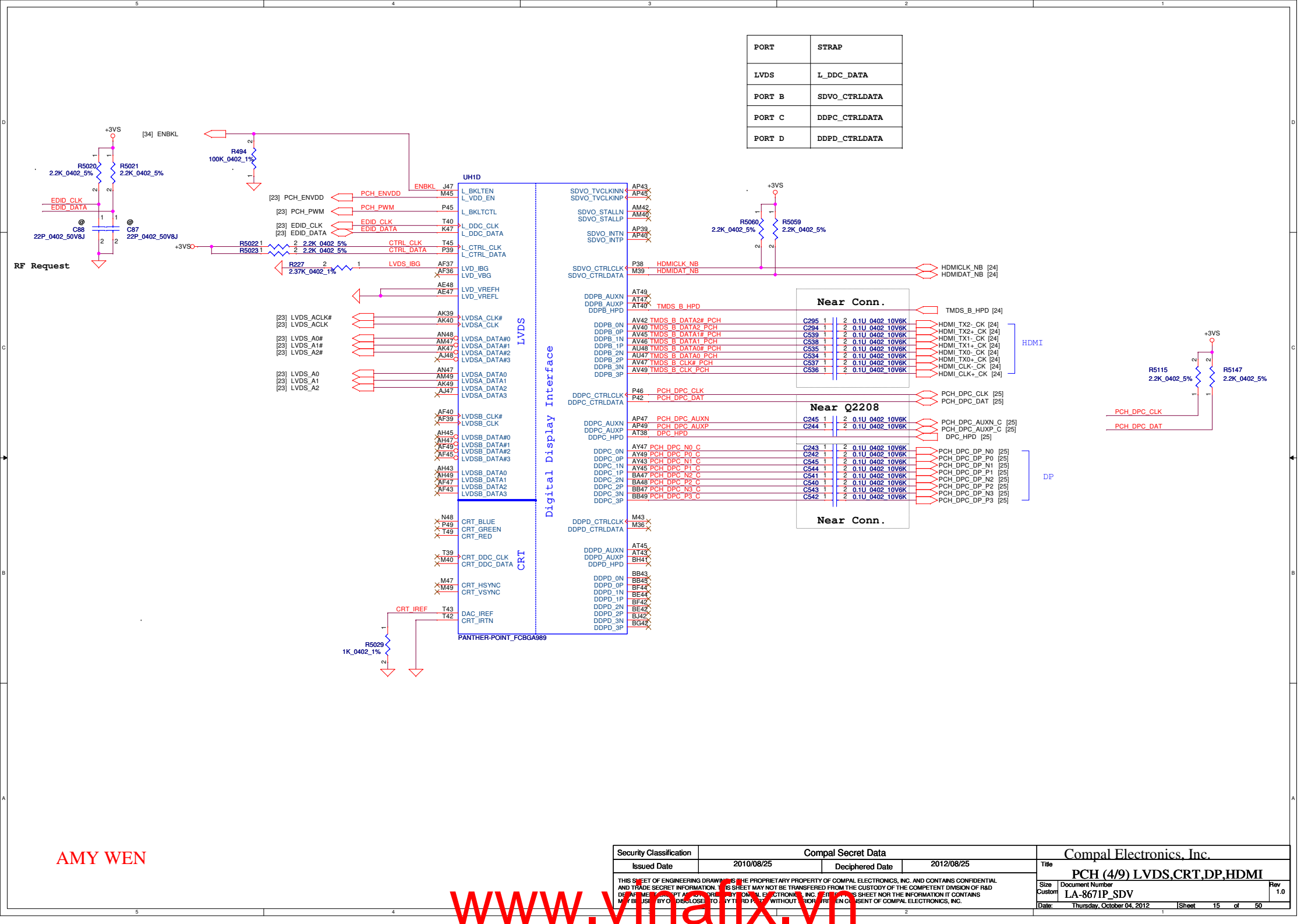




AMY WEN

Security Classification				Compal Secret Data				Compal Electronics, Inc.			
Issued Date				2010/08/25				Title			
Deciphered Date				2012/08/25				PCH (3/8) DMI,FDI,PM,			
Document Number				LA-8671P.SDV				Rev			
Date				Thursday, October 04, 2012				Sheet			
14				of				50			

www.vinallix.vn

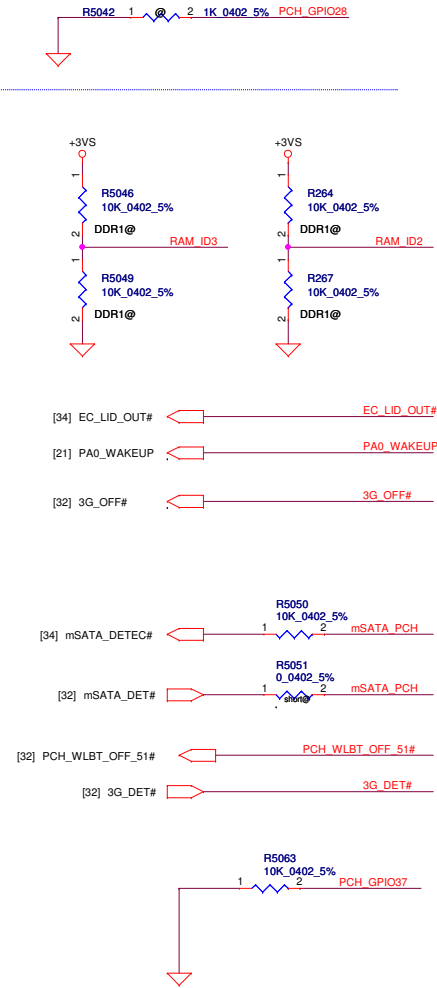


AMY WEN

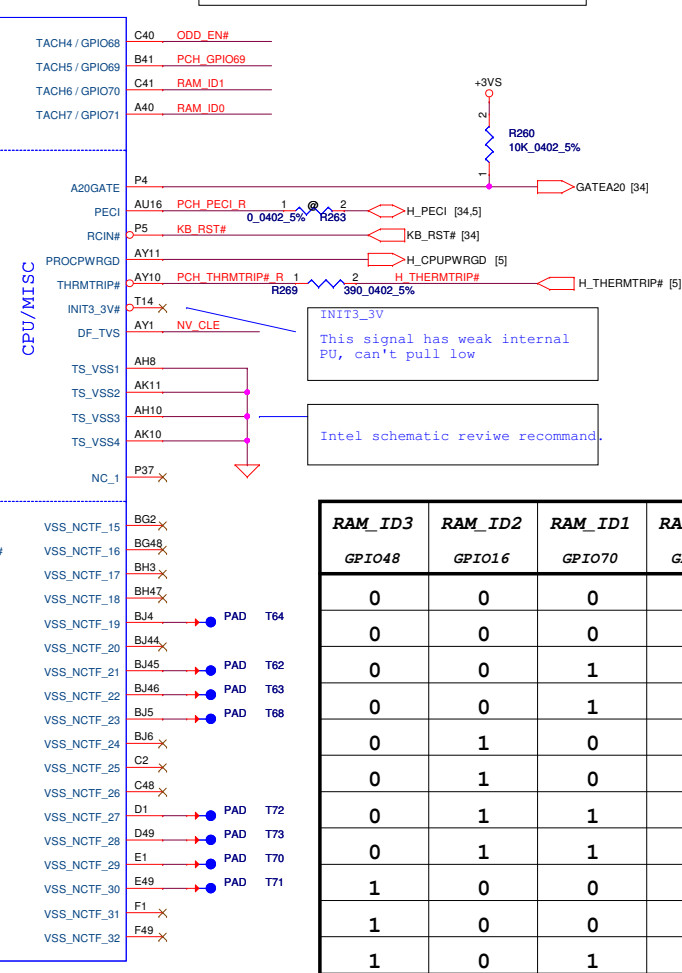
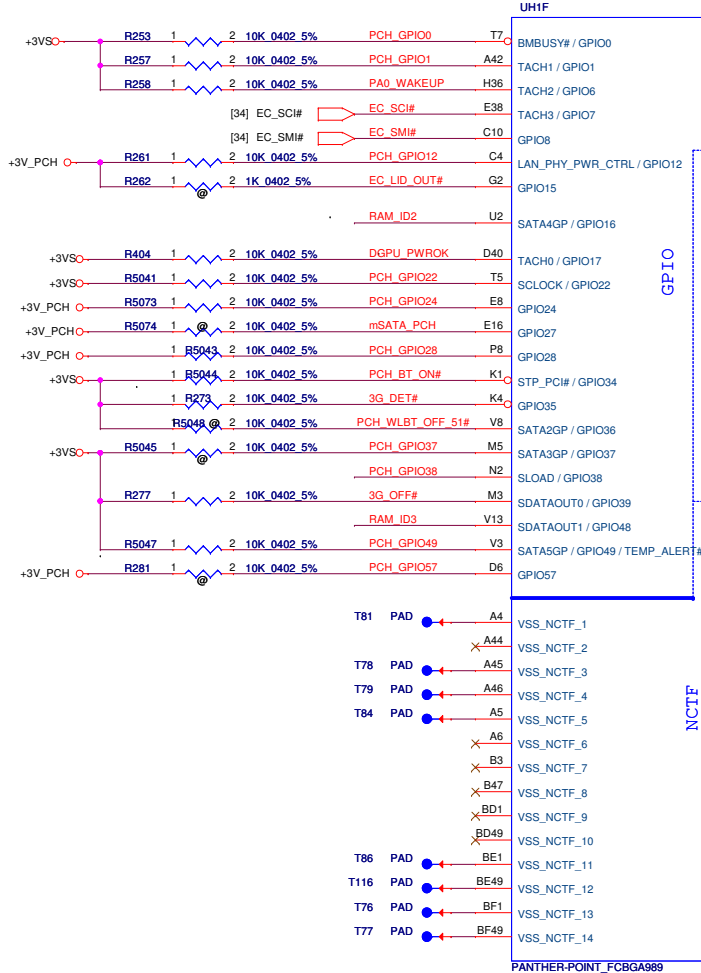
www.vimalix.vn

Security Classification		Compal Secret Data				Compal Electronics, Inc.							
Issued Date		2010/08/25		Deciphered Date		2012/08/25		Title					
THIS SHEET OF ENGINEERING DRAWINGS 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 OR ANY OTHER DEPARTMENT OF COMPAL ELECTRONICS, INC. WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.								PCH (4/9) LVDS,CRT,DP,HDMI					
								Size		Document Number		Rev	
								Custom		LA-8671P.SDV		1.0	
								Date:		Thursday, October 04, 2012		Sheet 15 of 50	

GPIO28
On-Die PLL Voltage Regulator
This signal has a weak internal pull up
★ H : On-Die voltage regulator enable
L : On-Die PLL Voltage Regulator disable



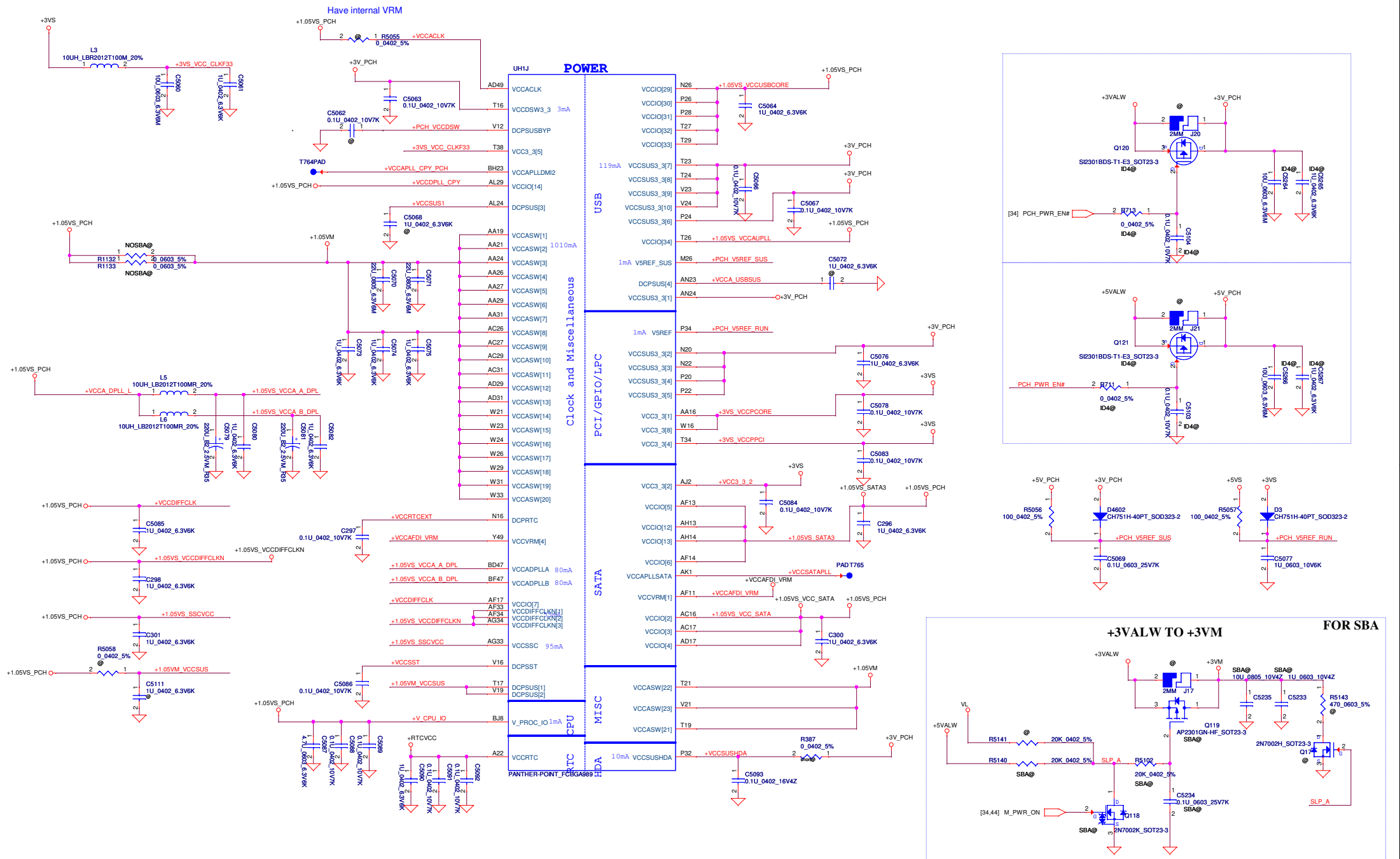
PCH_GPIO69	PCH_GPIO38	PCH_GPIO67	Function	GPU_ID
0	0	0	PX4.0	0
0	0	1	Reserved	1
0	1	0	DIS	2
0	1	1	UMA	3



RAM_ID3 GPIO48	RAM_ID2 GPIO16	RAM_ID1 GPIO70	RAM_ID0 GPIO71	RAM
0	0	0	0	ELPIDA 4GB
0	0	0	1	SAMSUNG 4GB
0	0	1	0	HYNIX 4GB
0	0	1	1	ELPIDA 8GB
0	1	0	0	SAMSUNG 8GB
0	1	0	1	HYNIX 8GB
0	1	1	0	ELPIDA 2GB
0	1	1	1	SAMSUNG 2GB
1	0	0	0	HYNIX 2GB
1	0	0	1	TBD
1	0	1	0	TBD
1	0	1	1	TBD
1	1	0	0	TBD
1	1	0	1	TBD
1	1	1	0	TBD
1	1	1	1	TBD

Security Classification				Compal Secret Data				Title	
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Size	Custom	Document Number	LA-8671P.SDV	Rev	1.0
THIS SHEET OF ENGINEERING DRAWINGS 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. WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Date		Thursday, October 04, 2012		Sheet	17 of 50

www.vinallix.vn



AMY WEN

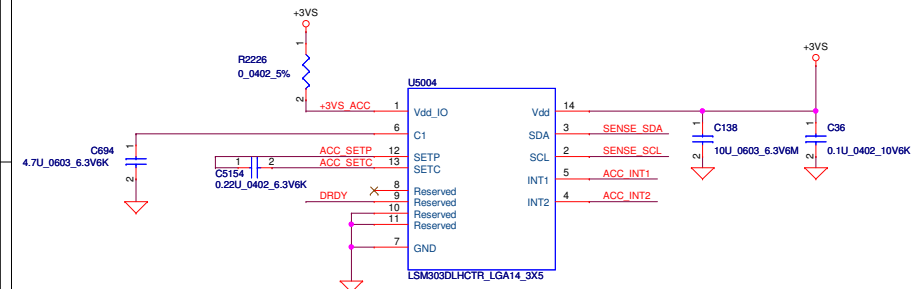
Security Classification		Compal Secret Data		Title	
Issued Date		Deciphered Date		PCH (8/9) PWR	
2010/08/25		2012/08/25		Compal Electronics, Inc.	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET 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.		Document Number		Rev	
Size		LA-8671P_SDV		1.0	
Date:		Thursday, October 04, 2012		Sheet 19 of 50	

AMY WEN

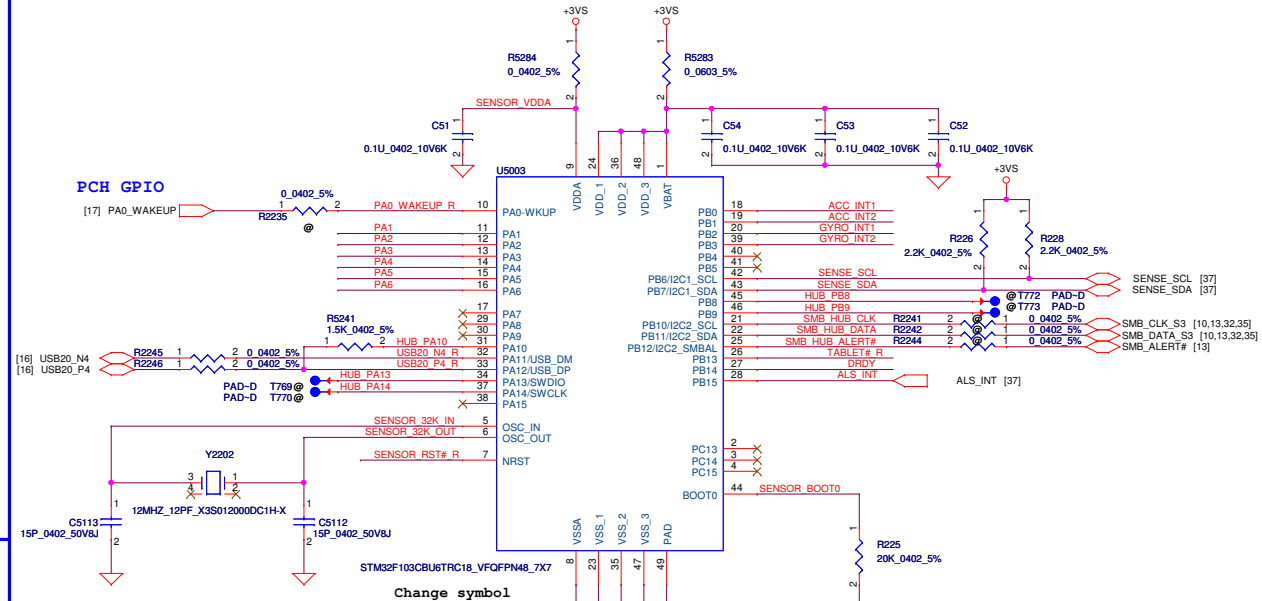
www.vitalix.vn

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				PCH (9/9) VSS	
Size	Document Number	Rev		Date	
Custom	LA-8671P_SDV	1.0		Thursday, October 04, 2012	
Sheet		20	of	50	

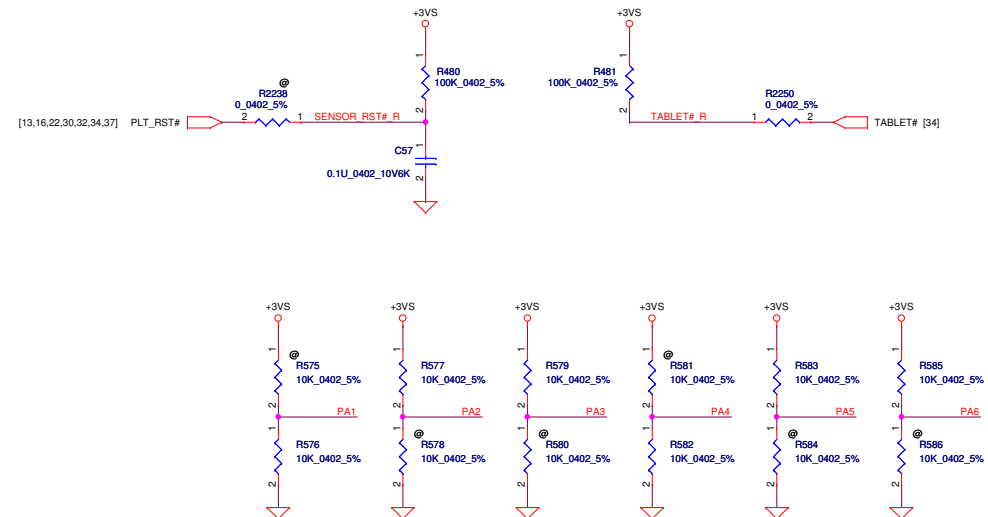
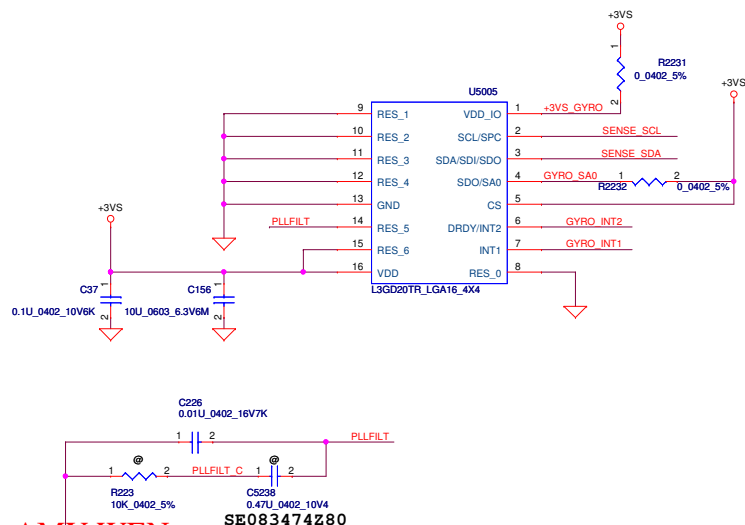
Accelerometer + eCompass



Sensor Hub



Gyro

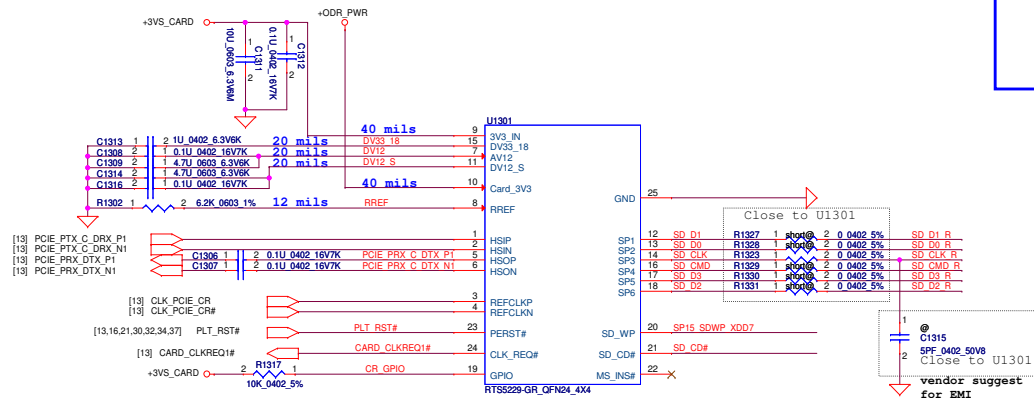
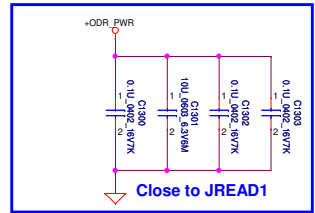
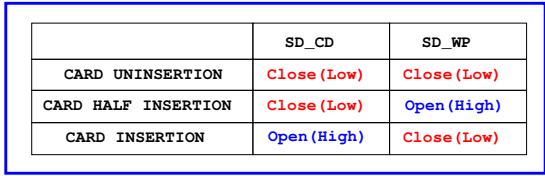


AMY WEN

SE083474Z80

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. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number
				Customer	LA-8671P_SDV
				Date	Thursday, October 04, 2012
				Sheet	21 of 50
				Rev	1.0

www.vinamilk.vn



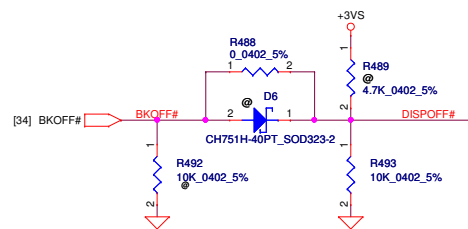
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL AND IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM COMPAL. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS SHEET MAY BE SUBJECT TO LEGAL ACTION.

Size C	Document Number LA-8671P_SDV	Rev 1.0
Date:	Thursday, October 04, 2012	Sheet 22 of 50

W=60mils

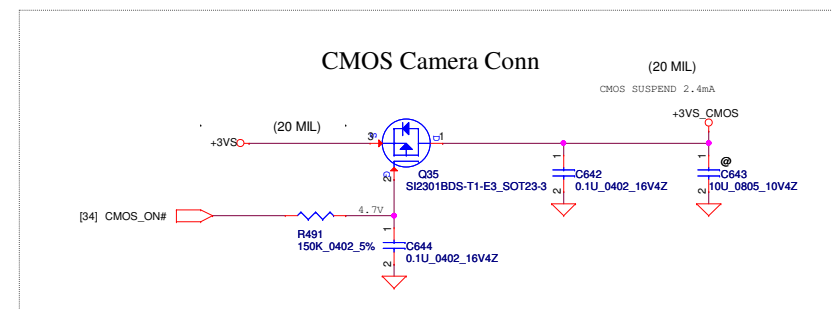
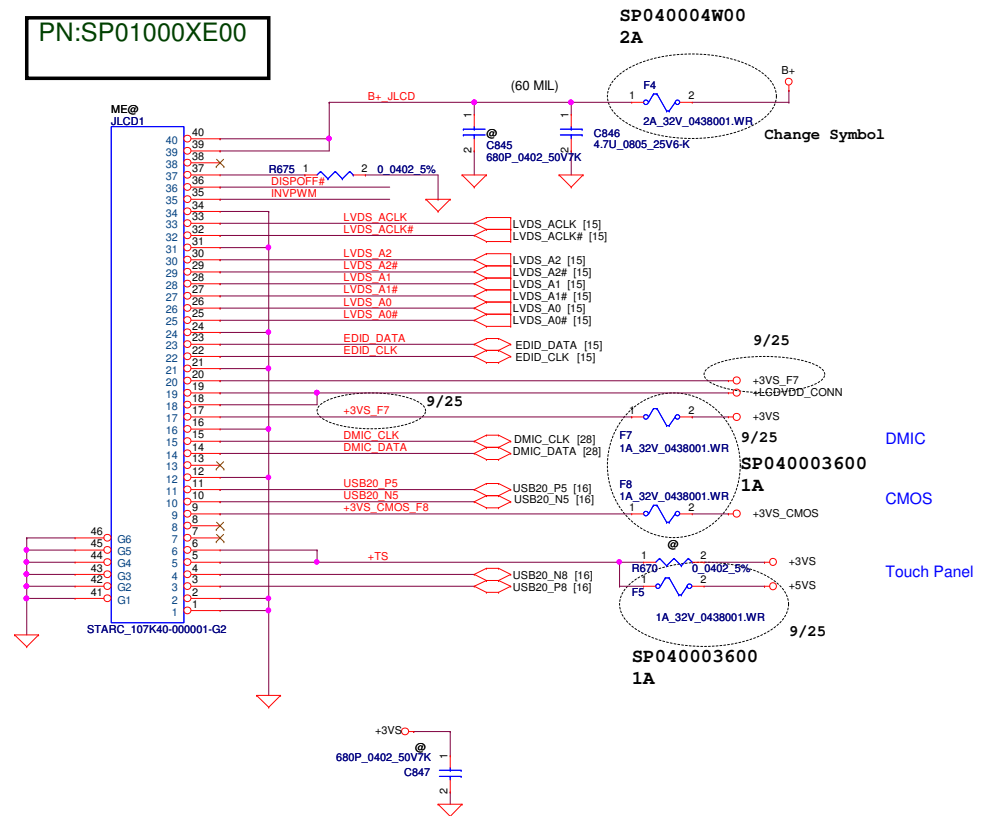
LCD POWER CIRCUIT

For GMCH DPST



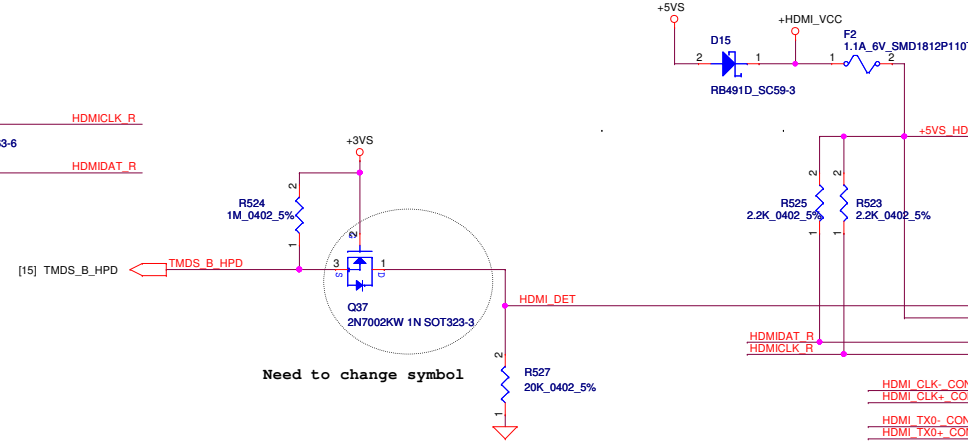
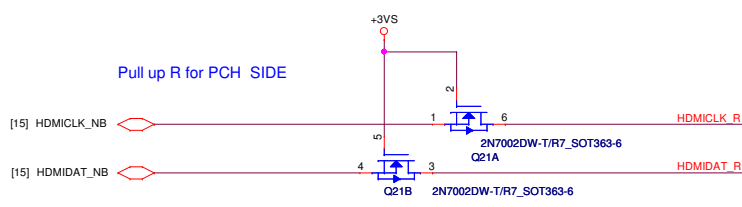
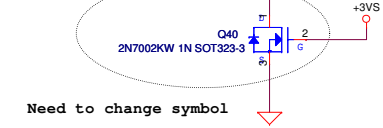
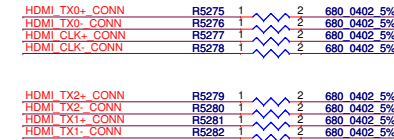
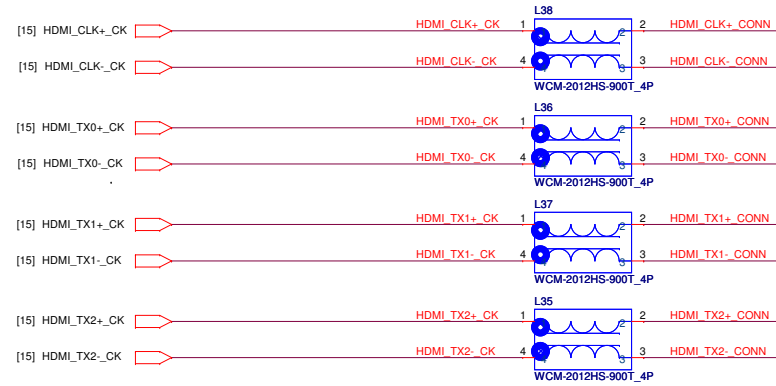
AMY WEN

PN:SP01000XE00



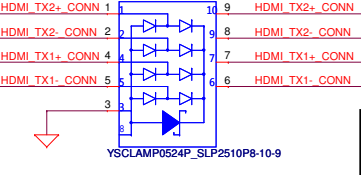
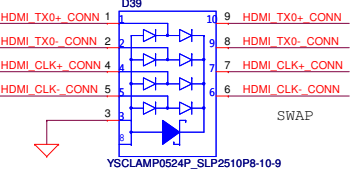
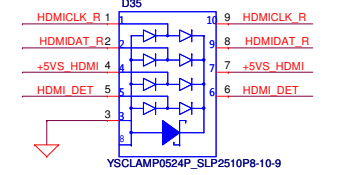
Security Classification				Compal Secret Data				Compal Electronics, Inc.					
Issued Date		2010/08/25		Deciphered Date		2012/08/25		Title					
THIS SHEET OF ENGINEERING DRAWINGS IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT, COMPAL ELECTRONICS, INC. TO ANY OTHER DIVISION OF COMPAL ELECTRONICS, INC. WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.								LVDS/CAMERA					
								Size		Document Number		Rev	
								Custom		LA-8671P_SDV		1A	
Date: Thursday, October 04, 2012								Sheet 23		of 50			

PN:SM070001S00x 4



Type-C

mHDMI PN:SP060005H00



1'SPN: SC300001Y00

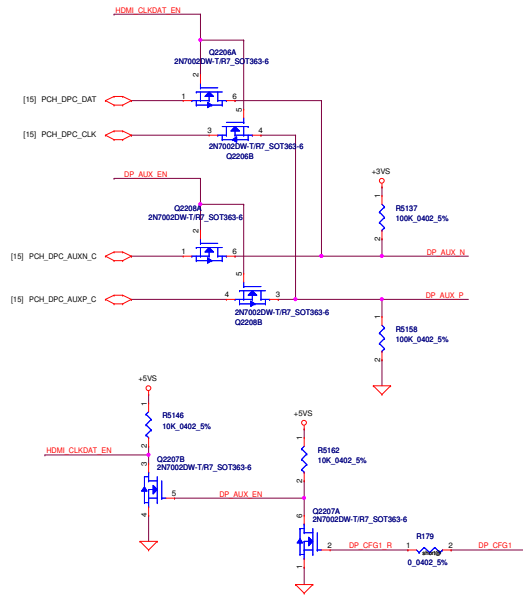
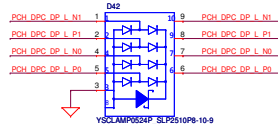
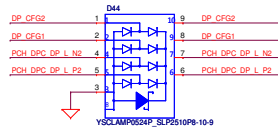
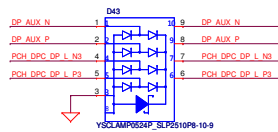
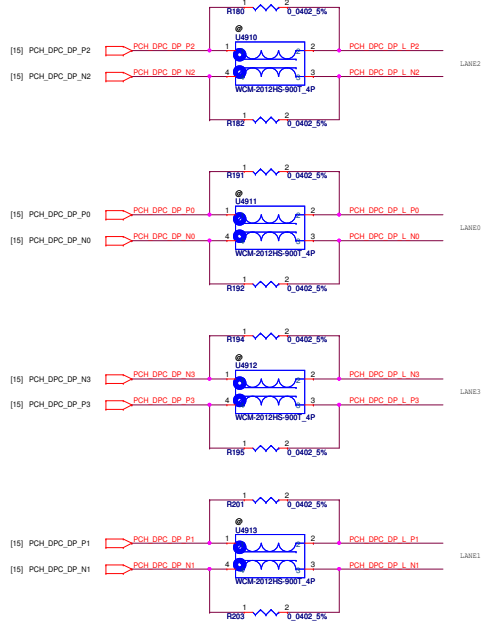
2'SPN: SC300002800

Security Classification		Compal Secret Data		Compal Electronics, Inc.			
Issued Date		2010/08/25	Deciphered Date	2012/08/25	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 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.					Mini-HDMI		
					Size	Document Number	Rev
					Custom	LA-8671P_SDV	1.0
					Date:	Thursday, October 04, 2012	Sheet 24 of 50
3		2		1			

AMY WEN

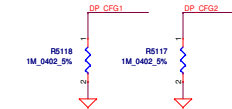
www.vinafix.vn

Close to JmDP1

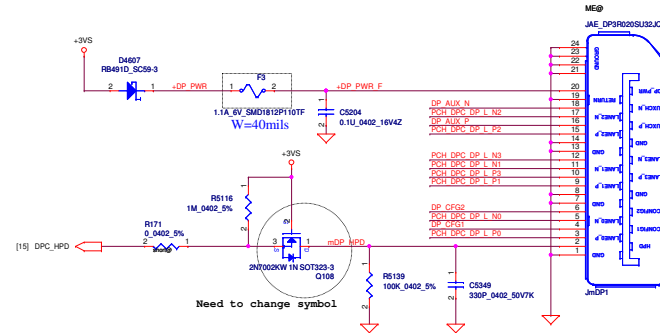


TBT, HDMI, DP mode table

HPD	CFG1	CFG2	LSRX	Mode
1	0	0	X	DP
1	1	X	X	HDMI
0	0	1	1	TBT



mini DP type

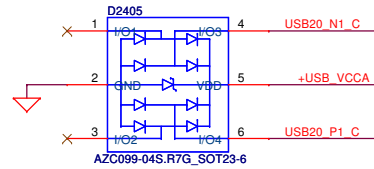
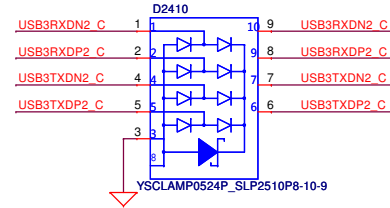


AMY WEN

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2010/08/25	Deciphered Date	2012/08/25	File	mDP Connector
THIS DOCUMENT IS THE PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL INFORMATION. IT IS TO BE KEPT SECRET AND NOT TO BE DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC.				Doc Number	LA-8671P_SDV
MAY BE RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC.				Date	Thursday, October 04, 2012
				Sheet	25 of 30

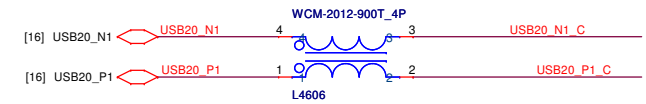
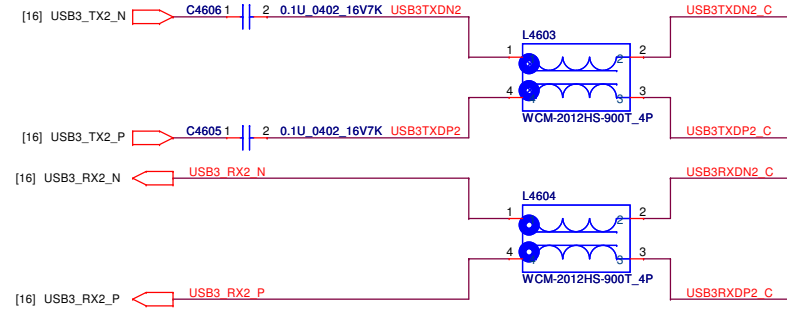
www.vinafix.vn

1'SPN: SC300001Y00
2'SPN: SC300002800

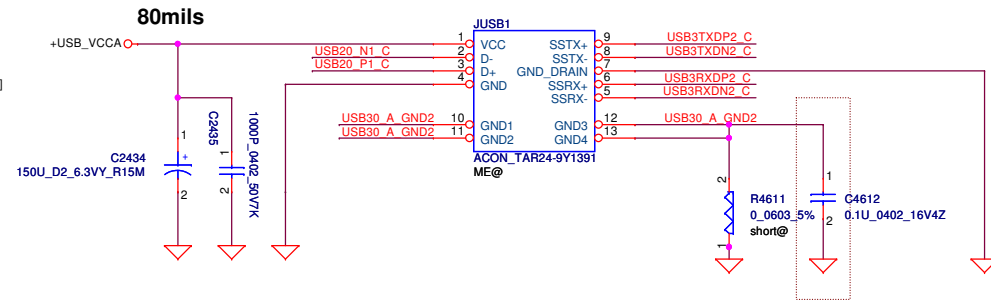
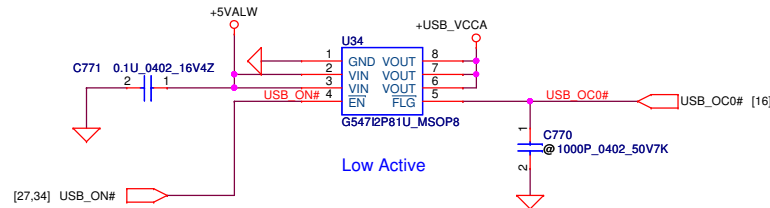


1'S PN: SC300001G00
2'S PN: SC300002E00

JUSB1USB3.0/USB2.0



DC23300A410

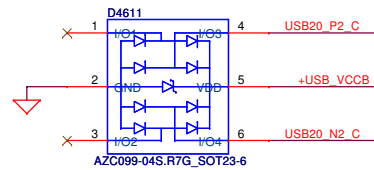
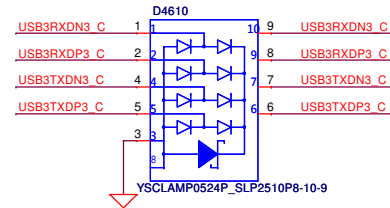


AMY WEN

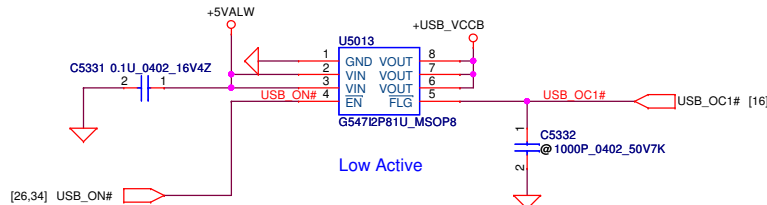
Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2011/05/16	Deciphered Date	2013/05/16	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED 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 OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				USB3.0/2.0 CONN-L	
Size	Custom	Document Number	LA-8671P_SDV	Rev	1.0
Date	Thursday, October 04, 2012	Sheet	26	of	50

www.vinallix.vn

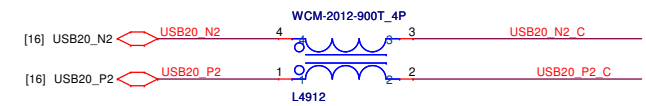
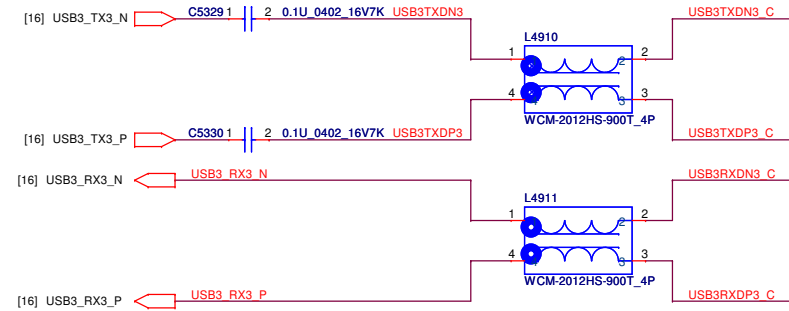
1'SPN: SC300001Y00
2'SPN: SC300002800



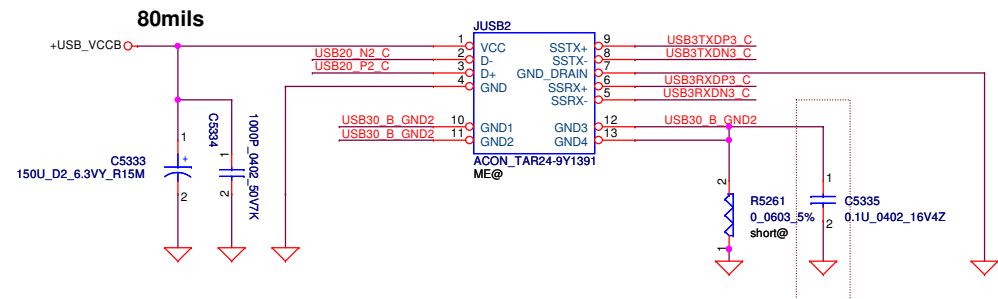
1'S PN: SC300001G00
2'S PN: SC300002E00



JUSB1USB3.0/USB2.0

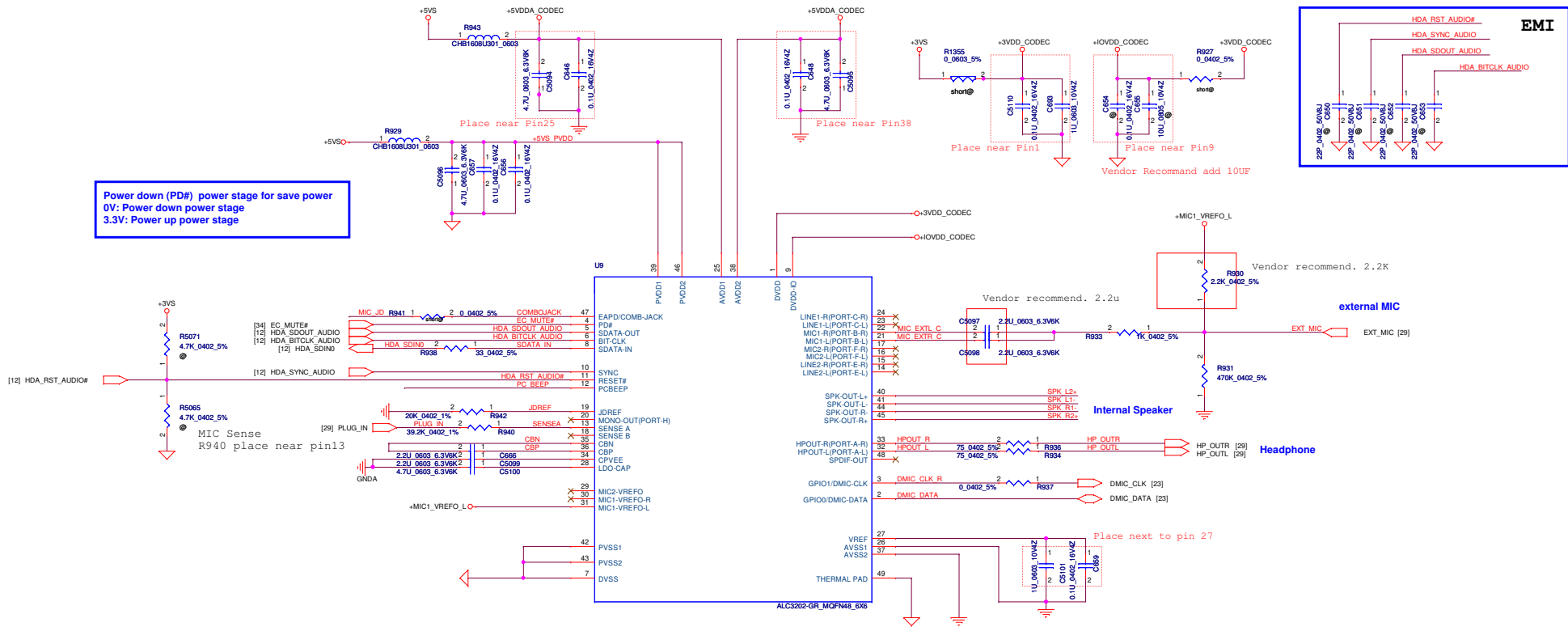


DC23300A410



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 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 OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.						USB3.0/2.0 CONN-R					
						Size		Document Number		Rev	
						Custom		LA-8671P_SDV		1.0	
						Date:		Thursday, October 04, 2012		Sheet 27 of 50	



VENDOR recommend

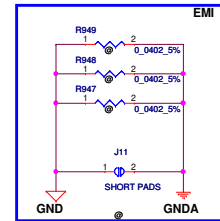
PC Beep

EC Beep

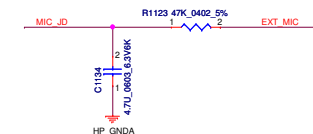
ICH Beep

Vendor Recommend connect to GND

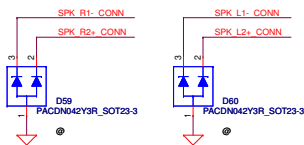
Pin Assignment	Location	Function
SPK-OUT (Pin40/41/44/45)	Internal	Int Speaker
Capless HP-OUT (Pin32/33)	External	Headphone out
MIC1 (Pin21/22)	External	Mic in



Combo Jack detect (normal open)

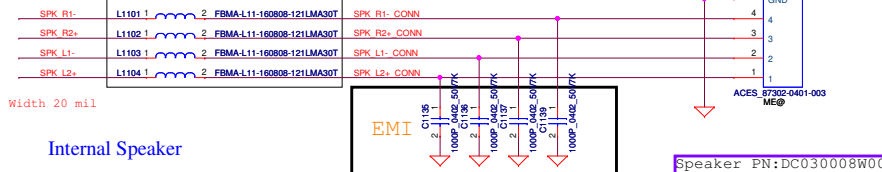


PN : SCA00000G00

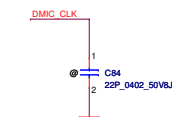


Reserve for ESD request.

Rdc < 0.05 ohms
Rated Current wide 25MIL
2A



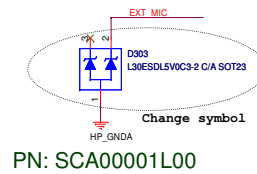
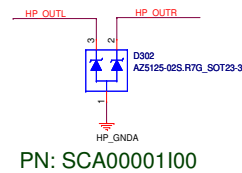
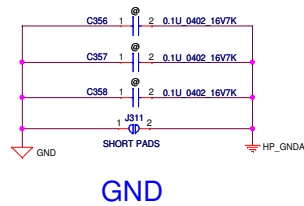
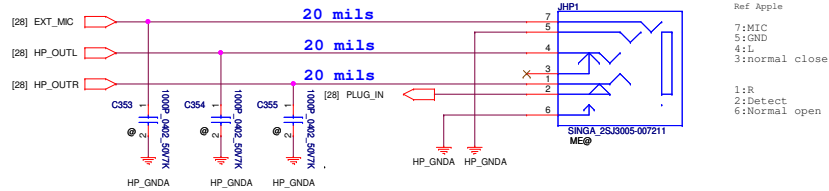
Reserve for RF



AMY WEN

PN:DC230008E00

Choose normal-open type!

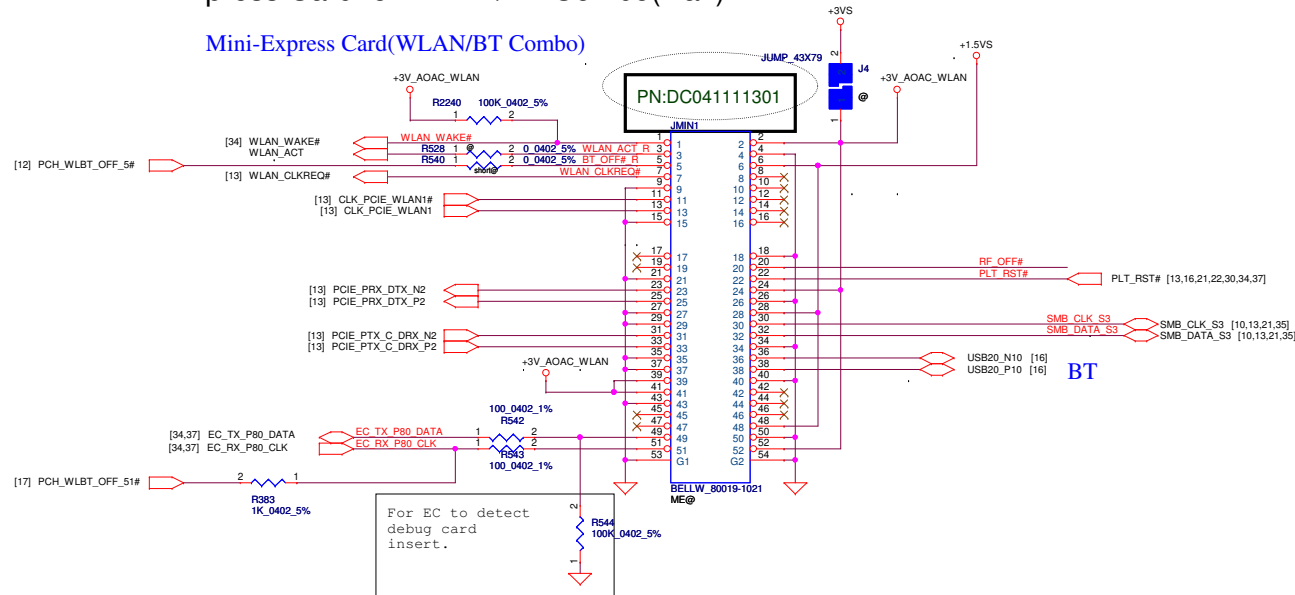


AMY WEN

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. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Combo Jack
Size	Document Number	Rev		
C	LA-8671P_SDV	1.0		
Date:	Thursday, October 04, 2012	Sheet	29	of 50

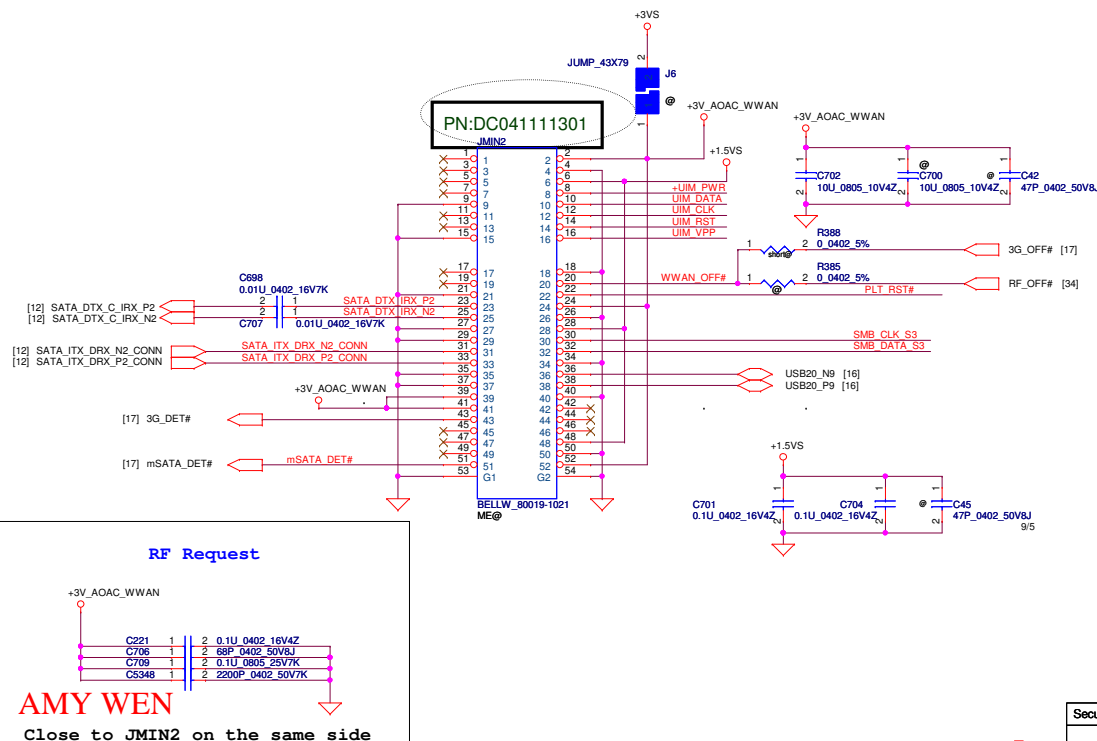
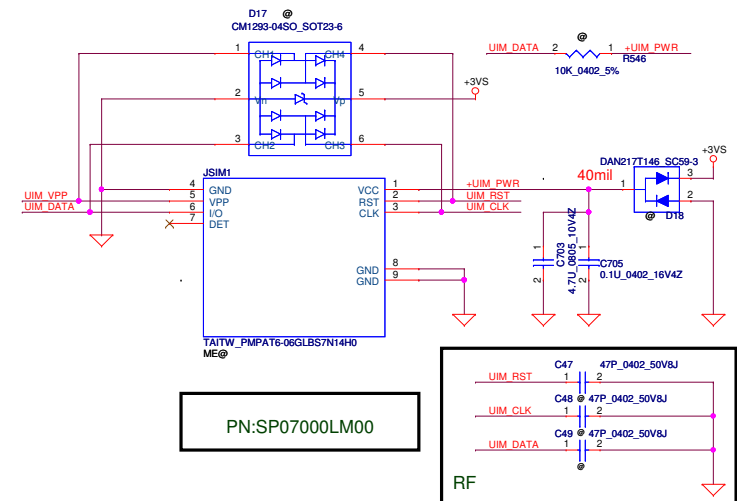
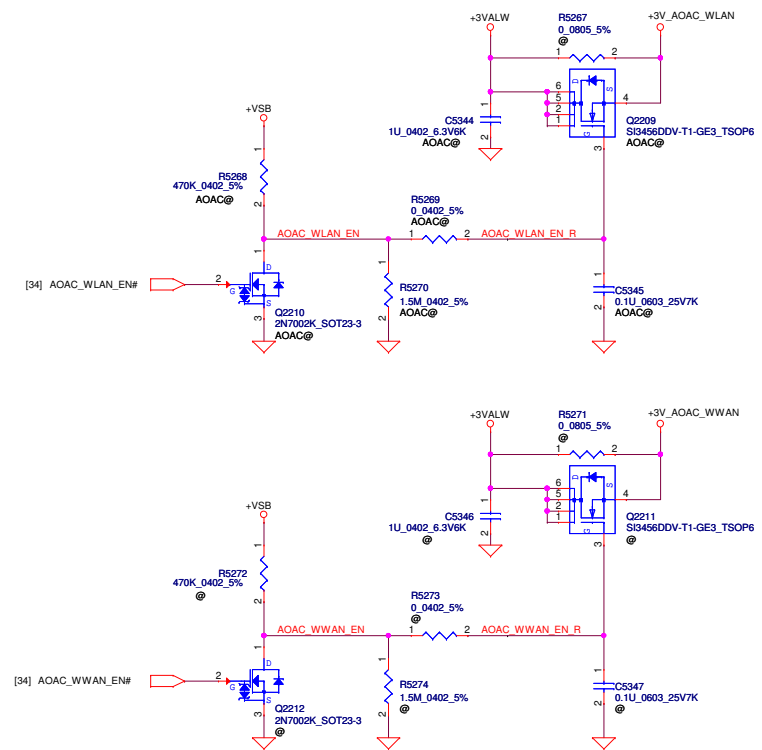
Mini-Express Card for WLAN/BT Combo(Half)

Mini-Express Card(WLAN/BT Combo)

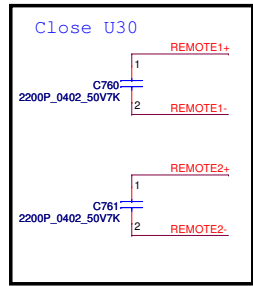


Mini-Express Card for WWAN/mSATA(Full)

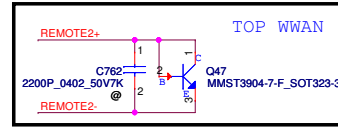
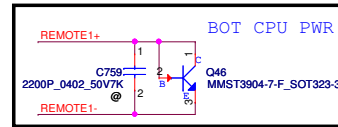
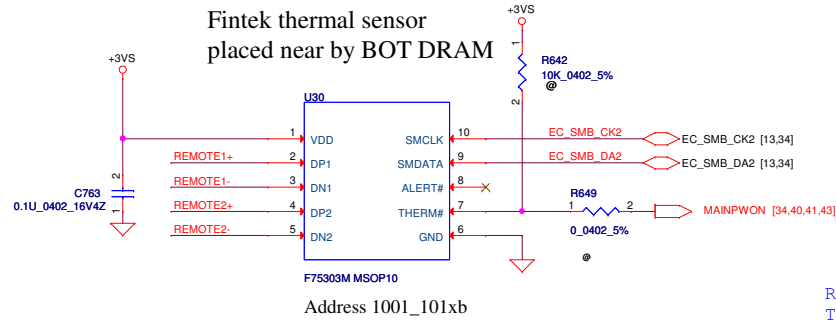
Mini-Express Card(WWAN 3G)

**AOAC**

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title	WLAN/BT/WWAN/m-SATA
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET IS NOT TO BE REPRODUCED 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 IS TO BE REPRODUCED OR DISCLOSED IN ANY MANNER BY ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	LA-8671P SDV
				Document Number	Rev 1.0
				Date:	Thursday, October 04, 2012
				Sheet	32 of 50

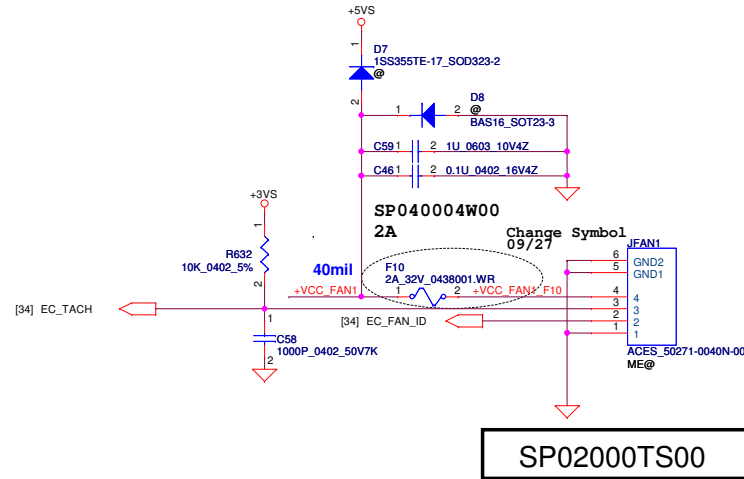
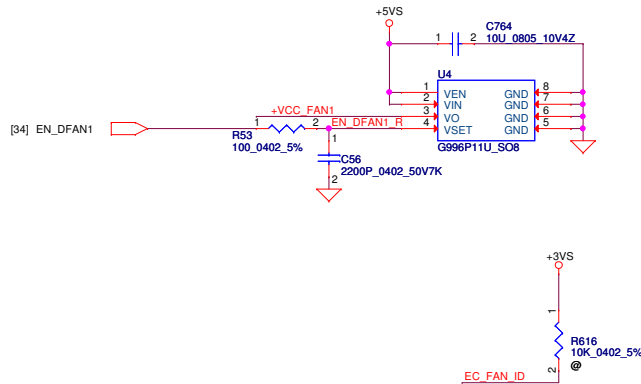


Fintek thermal sensor
placed near by BOT DRAM

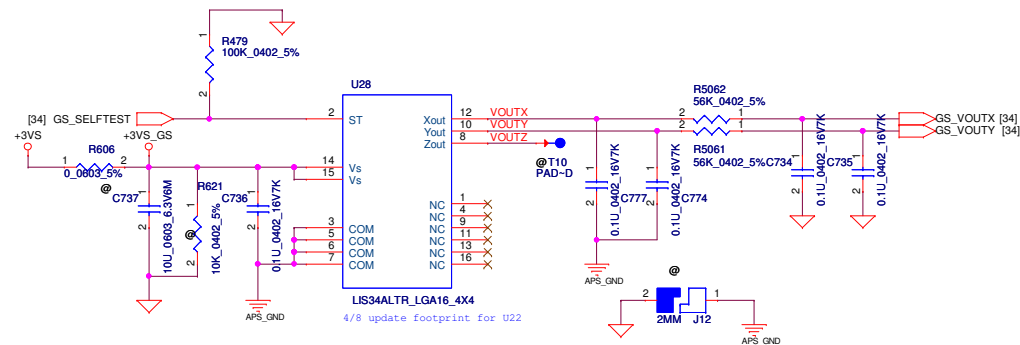
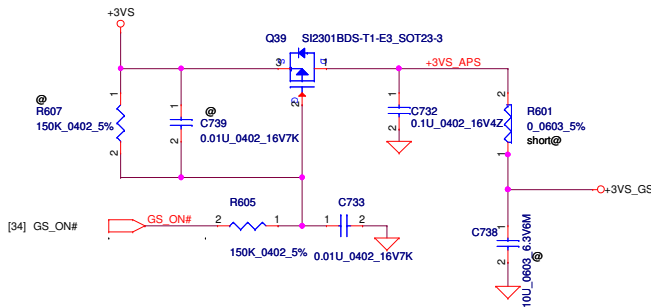


REMOTE1,2+/-:
Trace width/space:10/10 mil
Trace length:<8"

FAN +5VS DROOP



APS G-Sensor

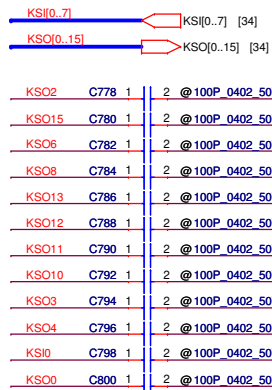


AMY WEN

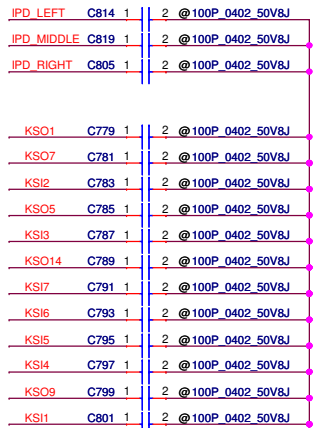
Security Classification			Compal Secret Data		Compal Electronics,Ltd.	
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title	FintekF57303_ Thermal sensor/FAN	
THIS SHEET OF ENGINEERING DRAWINGS IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DESIGN ENGINEERING DEPARTMENT OF COMPAL ELECTRONICS, INC. WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number	Rev
				Custom	LA-8671P_SDV	1.0
				Date:	Thursday, October 04, 2012	Sheet 33 of 50

www.vinallix.vn

INT_KBD Conn.



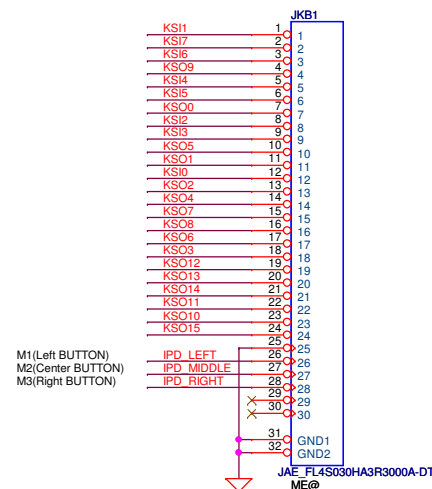
CONN PIN define need double check



Reserve for ESD.

INT_KBD Conn.

PN:SP01000YH00

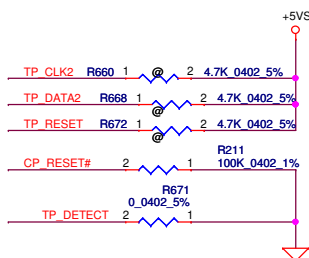
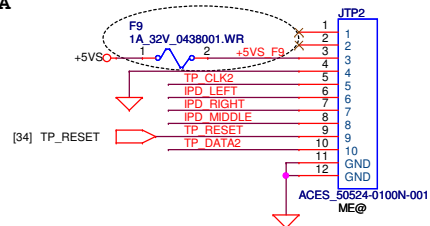


Track point

PN:SP01001CH00

SP040003600
1A

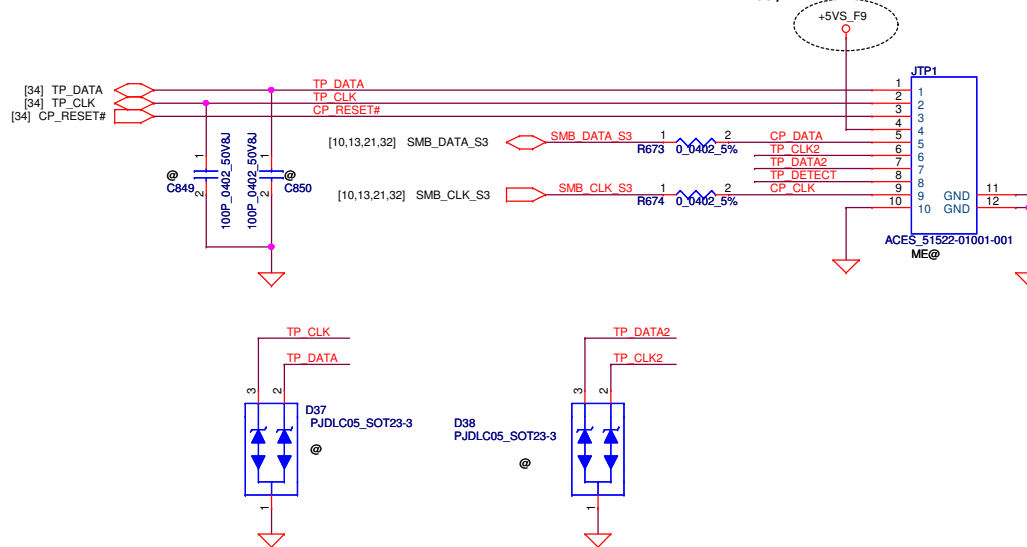
09/27



Click pad 10PIN

SP01001AL00

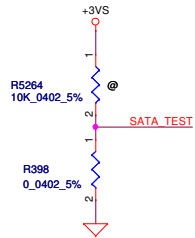
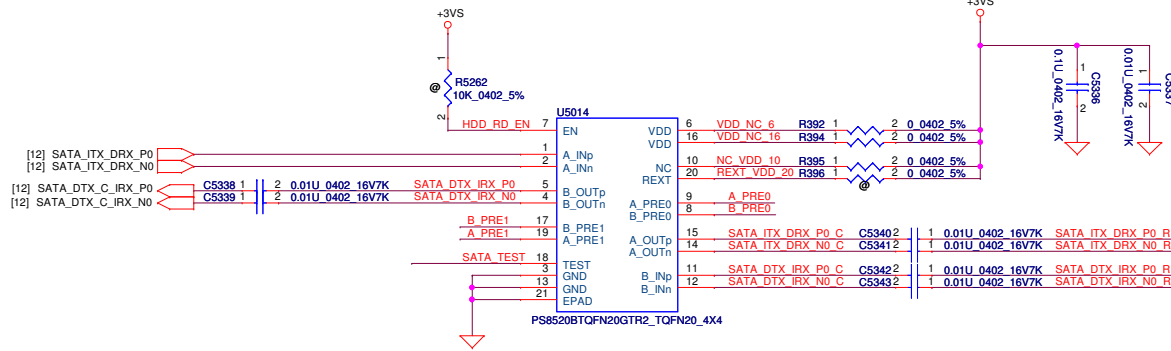
09/27



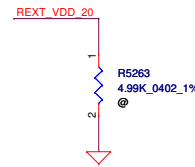
PN: SCA00000U10 X 2

AMY WEN

Security Classification				Compal Secret Data				Compal Electronics, Inc.			
Issued Date				2010/08/25				KB /SW .			
Deciphered Date				2012/08/25				LA-8671P_SDV			
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 IN OR FOR ANY OTHER PROJECT WITHOUT PRIOR WRITTEN PERMISSION FROM COMPAL ELECTRONICS, INC.				Date: Thursday, October 04, 2012				Sheet 35 of 50			

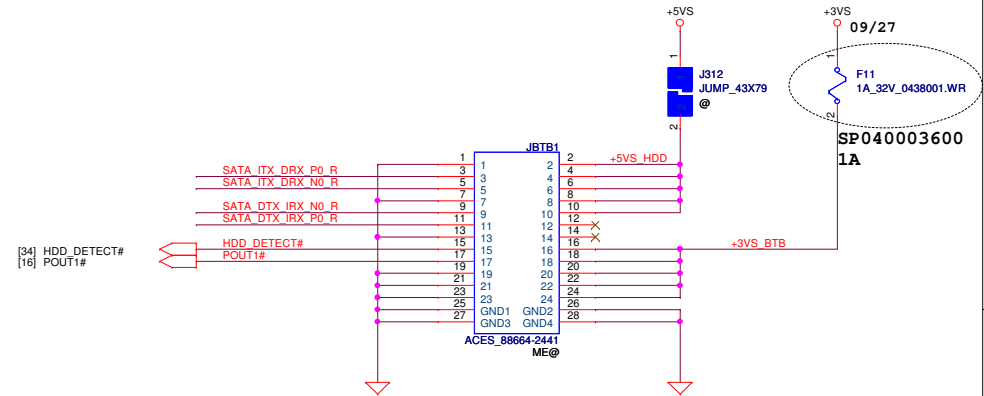
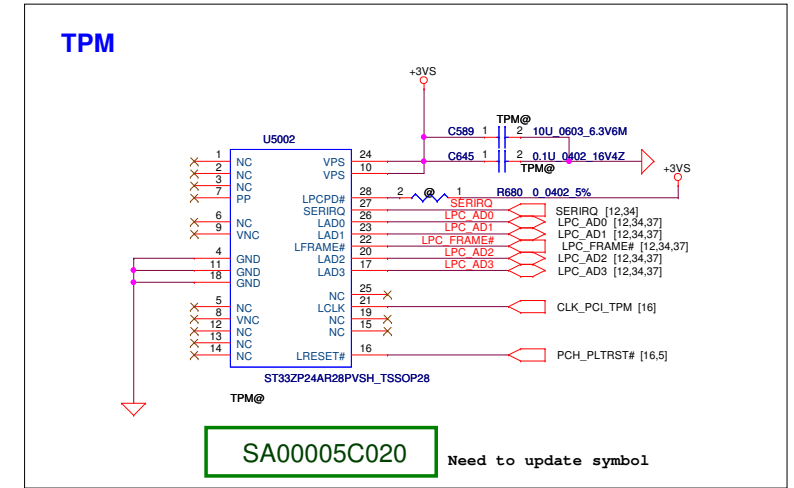


	TEST (Internal Low)
Normal Mode (Default)	LOW
Test Mode	HIGH



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



AMY WEN

Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2010/08/25	Deciphered Date	2012/08/25	HDD BTB Connector/TPM		
THIS SHEET OF ENGINEERING DRAWINGS 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 OR ANY OTHER DEPARTMENT OF COMPAL ELECTRONICS, INC. WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number	Rev
				Custom	LA-8671P_SDV	1.0
				Date:	Thursday, October 04, 2012	Sheet 36 of 50

www.vitalix.vn

3V ALW

R5265
330_0402_5%

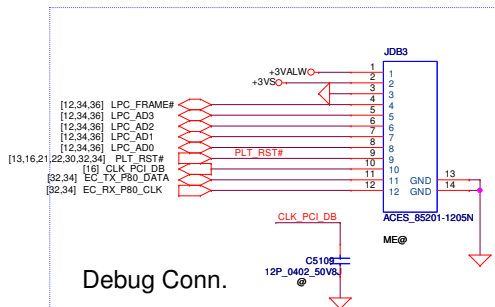
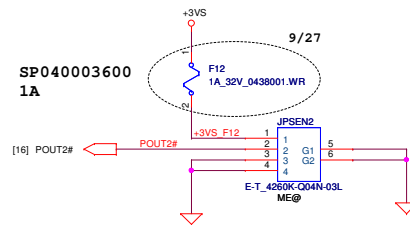
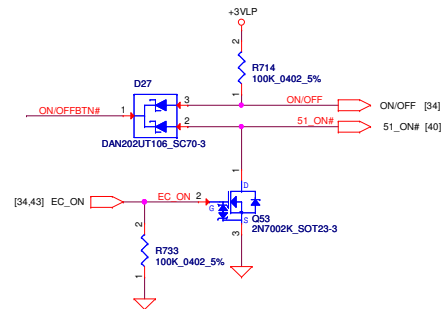
C5

LED1
HT-121UVG_YELLOW-GREEN

ACIN

34.40V ACIN

Q68
2N7002K_SOT23-3



The diagram illustrates the C-logic connection for the ACES_85204-02001 ME@ connector. It shows a 3V3ALW signal line connected to the LOGO_LED# pin (pin 1) through a 1.5K resistor. The other end of the resistor is connected to a 3V3ALW supply. The GND pin (pin 2) is connected to the GND pin of the connector. The connector is labeled JLOGO1 and has pins 1, 2, G1, and G2. The connector part number is ACES_85204-02001 ME@.

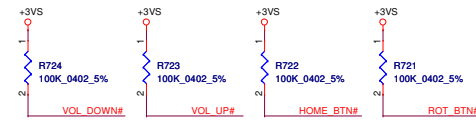


Diagram illustrating the wiring for the ACES 50406-02071-001 LED module, showing connections to a 24-pin header and a 9-pin header.

24-Pin Header Connections:

- Pin 24: +3V
- Pin 23: +3VEC
- Pin 22: G4
- Pin 21: G3
- Pin 20: G2
- Pin 19: G1
- Pin 18: G1
- Pin 17: G1
- Pin 16: G1
- Pin 15: G1
- Pin 14: G1
- Pin 13: G1
- Pin 12: G1
- Pin 11: G1
- Pin 10: G1
- Pin 9: G1
- Pin 8: G1
- Pin 7: G1
- Pin 6: G1
- Pin 5: G1
- Pin 4: G1
- Pin 3: G1
- Pin 2: G1
- Pin 1: G1

9-Pin Header Connections:

- Pin 9: +3VALW
- Pin 8: +3VS_F
- Pin 7: SENSE_SCL
- Pin 6: SENSE_SDA
- Pin 5: SENSE_SCL
- Pin 4: SENSE_SDA
- Pin 3: SENSE_SCL
- Pin 2: SENSE_SDA
- Pin 1: SENSE_SCL

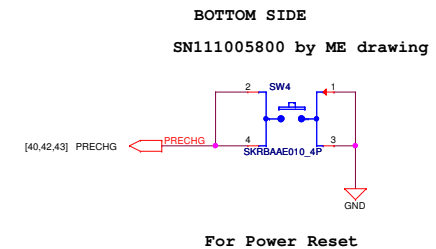
Internal Components and Connections:

- LED:** 9/25 (connected to pins 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1)
- Resistors:** R614 (1.5K, connected to +3VALW and +3VS_F), R720 (100K, connected to +3V and +3VEC)
- Diode:** D41 (PN:SCA00000U10, connected to pins 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1)

Labels and Part Numbers:

- ACES 50406-02071-001
- ME@
- PN:SCA00000U10

Power Board connector



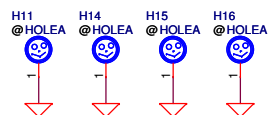
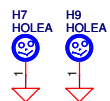
Security Classification		Compal Secret Data		Compal Electronics, Ltd.		
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title other IO connector		
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D ENGINEERING, DESIGN, OR MANUFACTURING TO ANY OTHER DIVISION OF COMPAL ELECTRONICS, INC. OR TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size Custom	Document Number	Rev 1A
					LA-8671P_SDV	
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

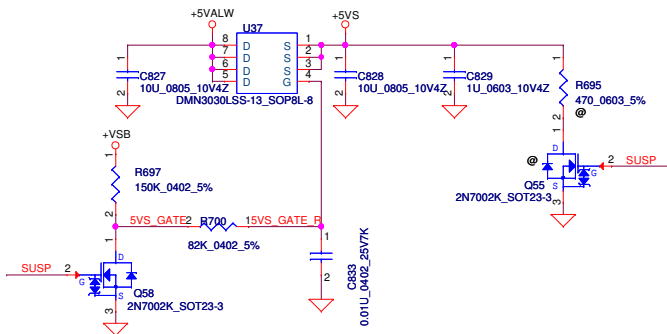


AMY WEN

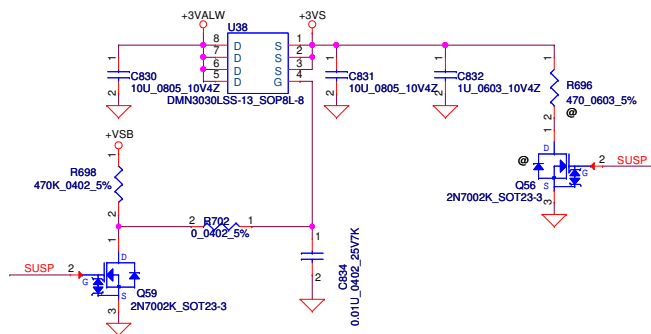
Security Classification	Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2010/08/25	Deciphered Date	2012/08/25	Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED 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.				SCREW HOLE
Size	Document Number	LA-8671P_SDV		Rev
Custom				1.0
Date:	Thursday, October 04, 2012	Sheet	38	of 50

www.vinafix.vn

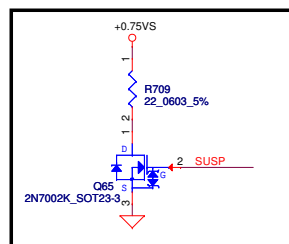
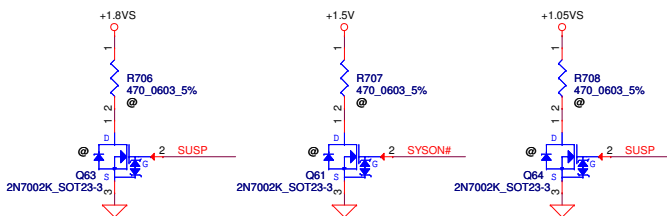
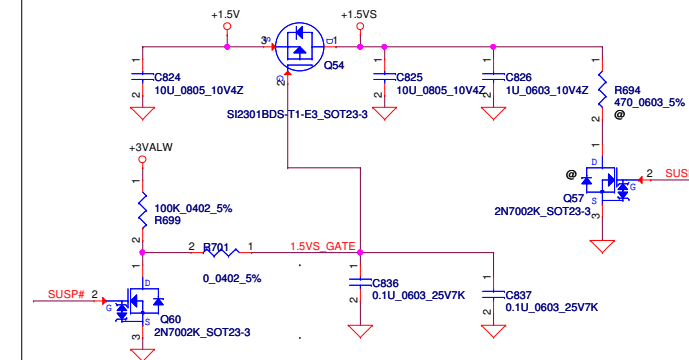
+5VALW TO +5VS



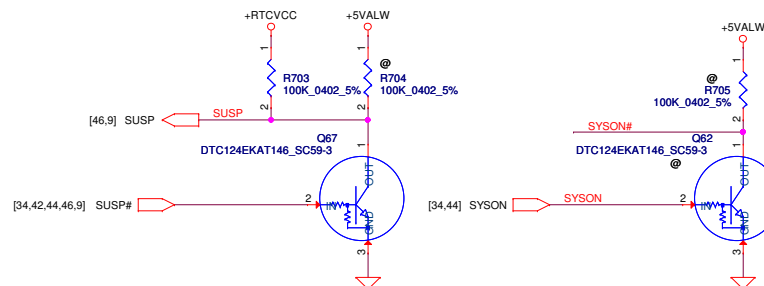
+3VALW TO +3VS



+1.5V to +1.5VS



For Intel S3 Power Reduction.



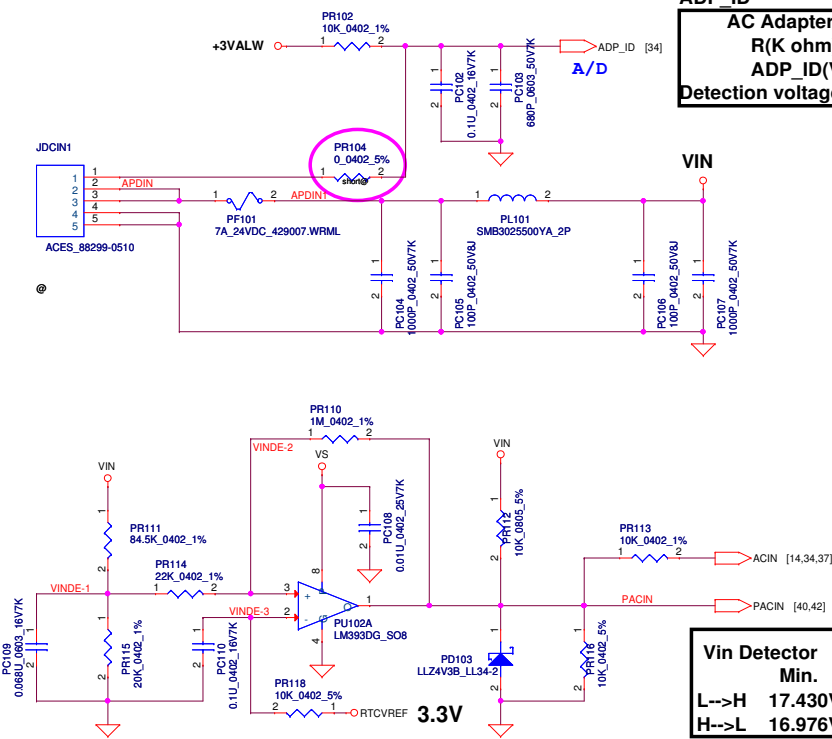
AMY WEN

Security Classification				Compal Secret Data				Compal Electronics, Inc.					
Issued Date		2010/08/25		Deciphered Date		2012/08/25		Title					
<p>THIS SHEET OF ENGINEERING DRAWINGS 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 OR IT MAY BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.</p>								DC Interface					
								Size		Document Number		Rev	
								Custom		LA-8671P_SDV		1.	
								Date:		Thursday, October 04, 2012		Sheet	
												39 of 50	

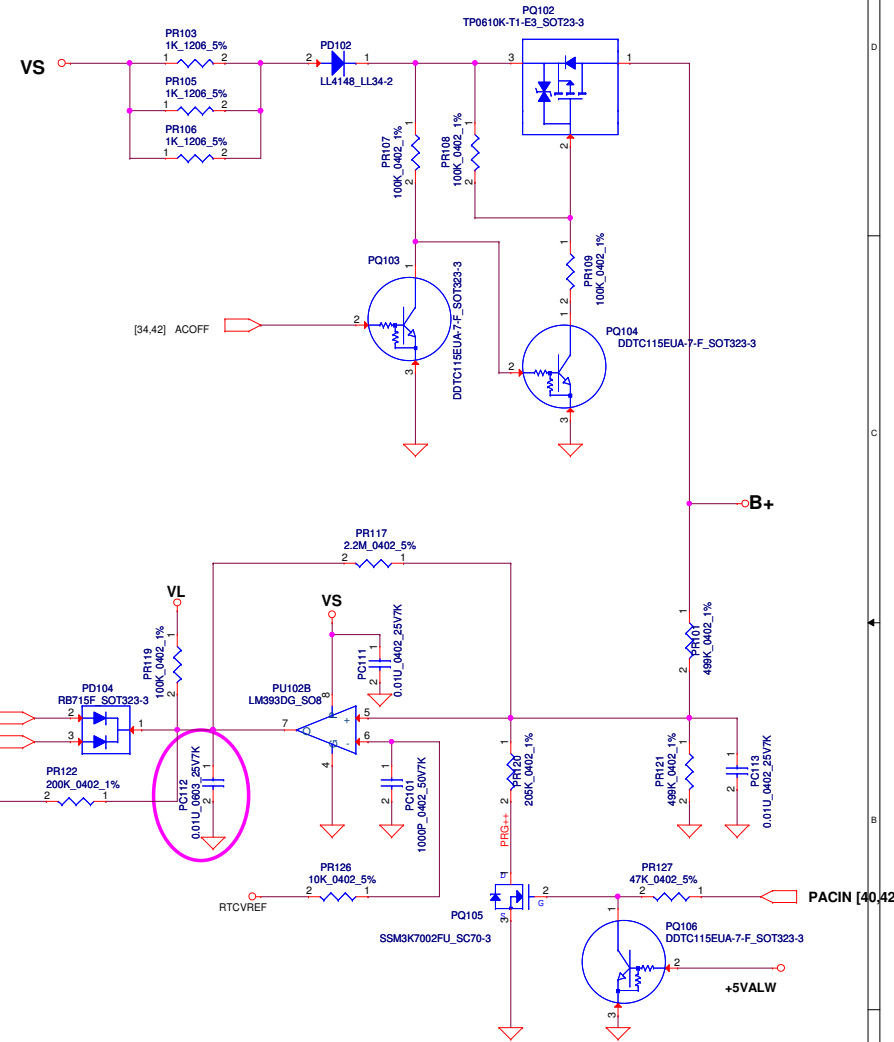
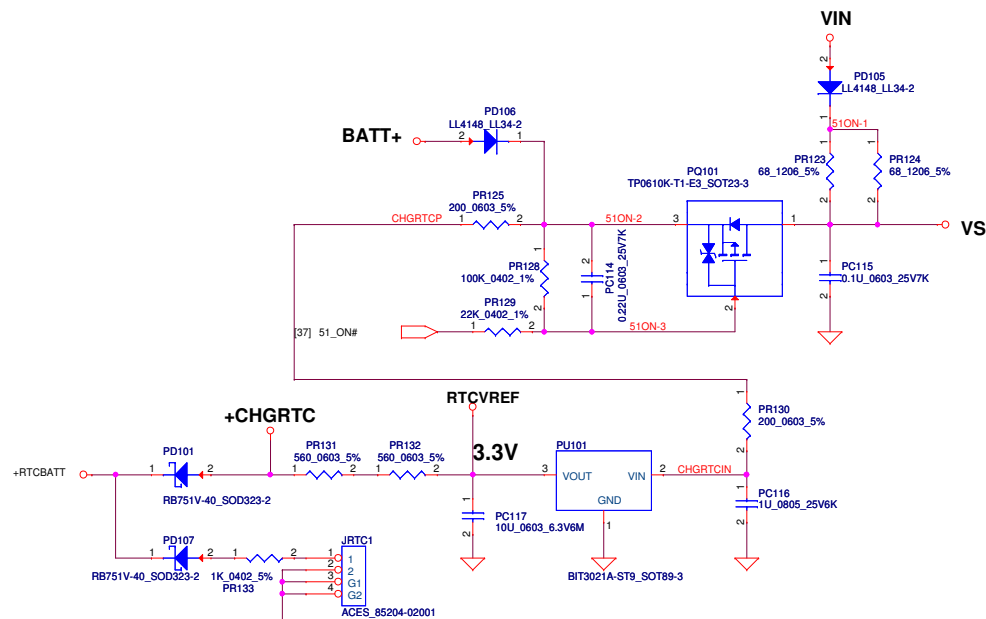
www.vinallix.vn

ADP_ID			
AC Adapter	90W	65W	
R(K ohm)	open	10	
ADP_ID(V)	3.3	1.65	
Detection voltage	>2.64	1.32~1.98	

**Precharge detector
15.97V/14.84V FOR
ADAPTOR**



Vin Detector			
	Min.	typ.	Max.
L-->H	17.430V	17.901V	18.384V
H-->L	16.976V	17.262V	17.728V



ACIN			
Precharge detector			
	Min.	typ.	Max.
L-->H	14.991V	15.381V	15.782V
H-->L	13.860V	14.247V	14.621V

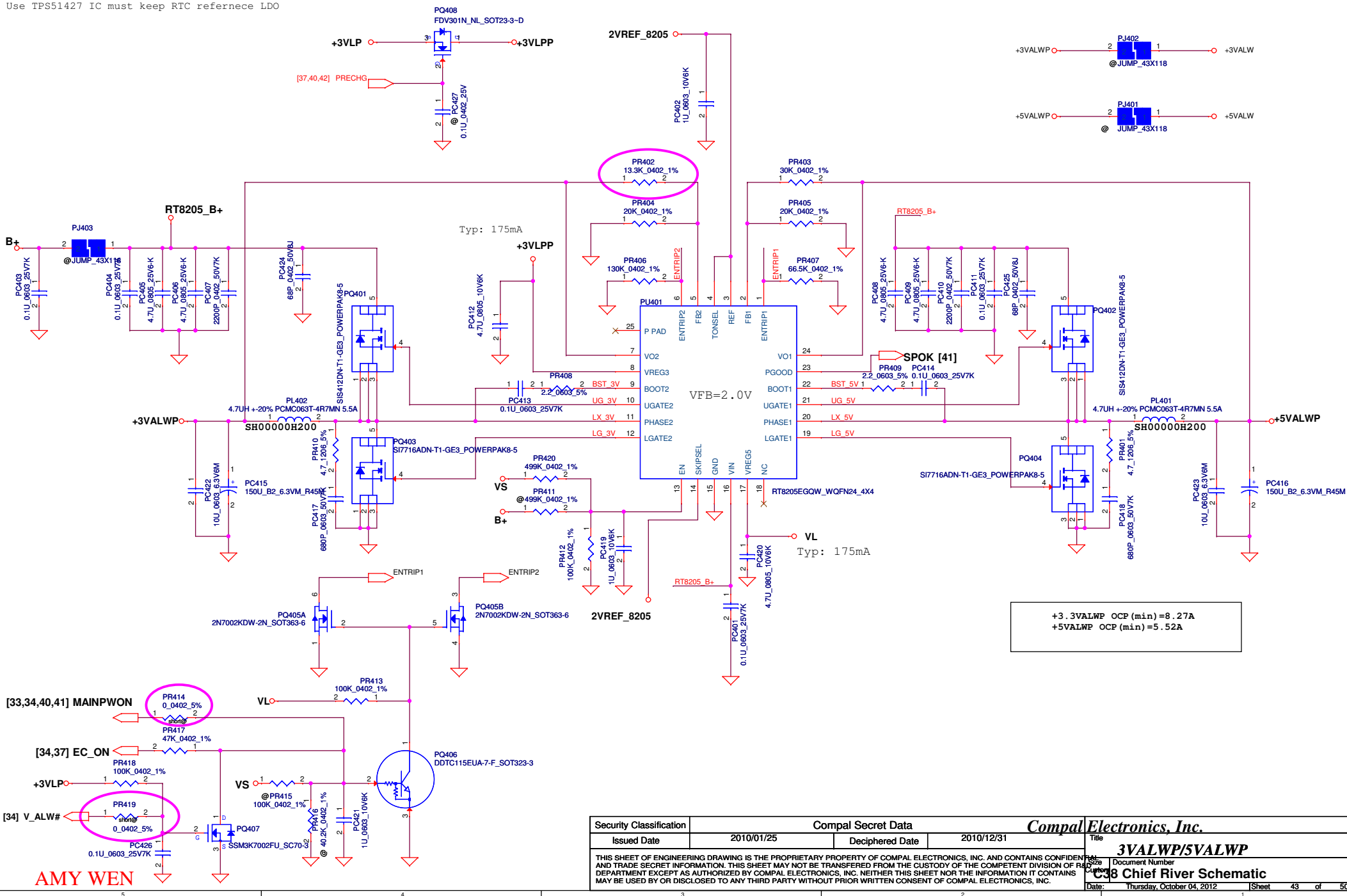
BATT ONLY			
Precharge detector			
	Min.	typ.	Max.
L-->H	7.196V	7.349V	7.505V
H-->L	6.138V	6.214V	6.056V

AMY WEN

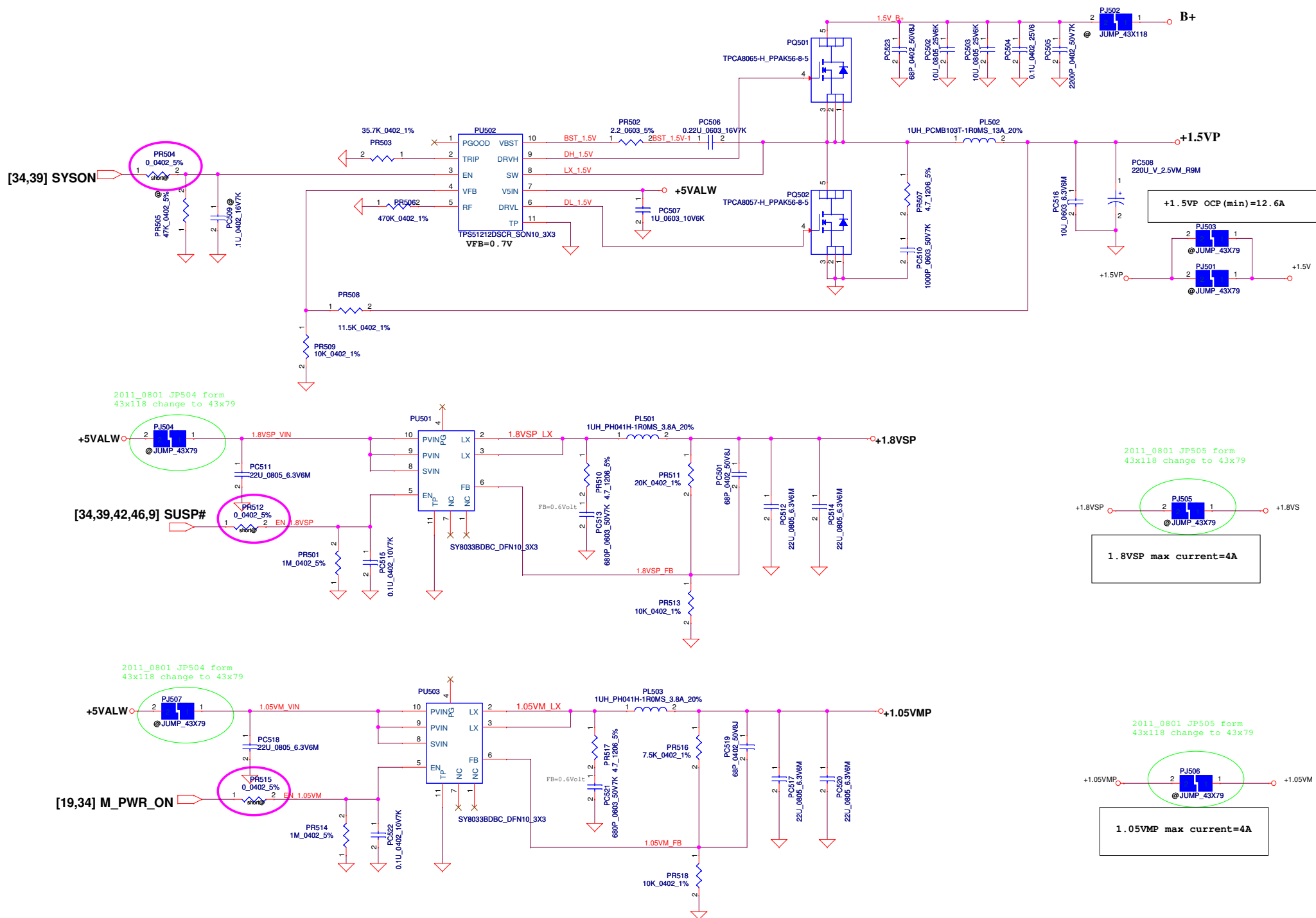
Security Classification	Compal Secret Data		
Issued Date	2010/01/25	Deciphered Date	2010/12/31
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT OR EXCEED THE AUTHORITY OF THE COMPETENT DIVISION OF R&D DEPARTMENT. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.			
Title	Compal Electronics, Inc. PWR DCIN / Vin Detector / Pre-charge		
Size	Document Number	Rev	
Custom	C38 Chief River Schematic	0.4	
Date	Thursday, October 04, 2012	Sheet	40 of 50

www.vinatrix.vn

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

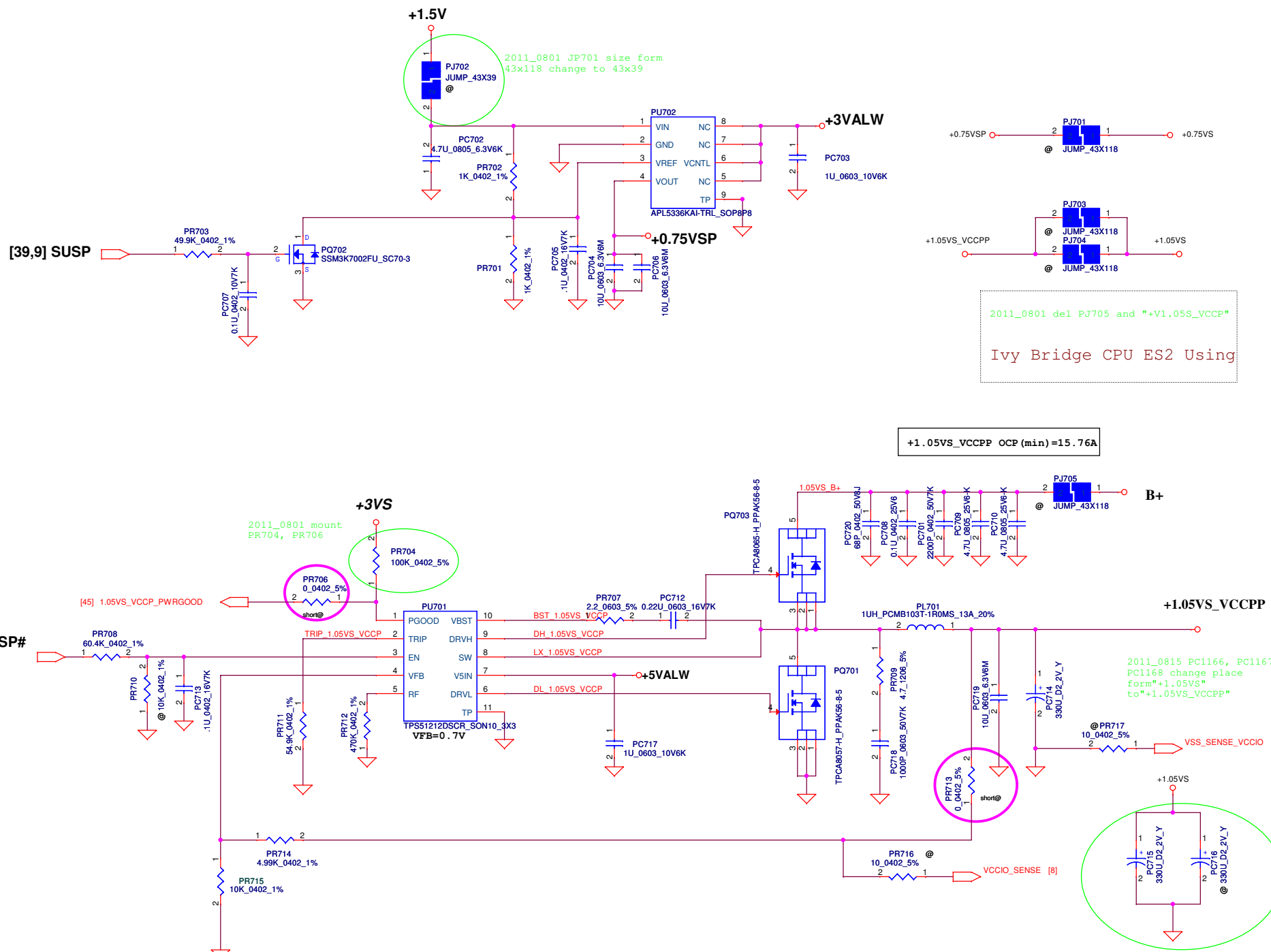


AMY WEN



Issued Date	2010/01/25	Deciphered Date	
<p>THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS CO., LTD. IT IS TO BE KEPT SECRET AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PRIOR WRITTEN PERMISSION OF COMPAL ELECTRONICS CO., LTD.</p>			

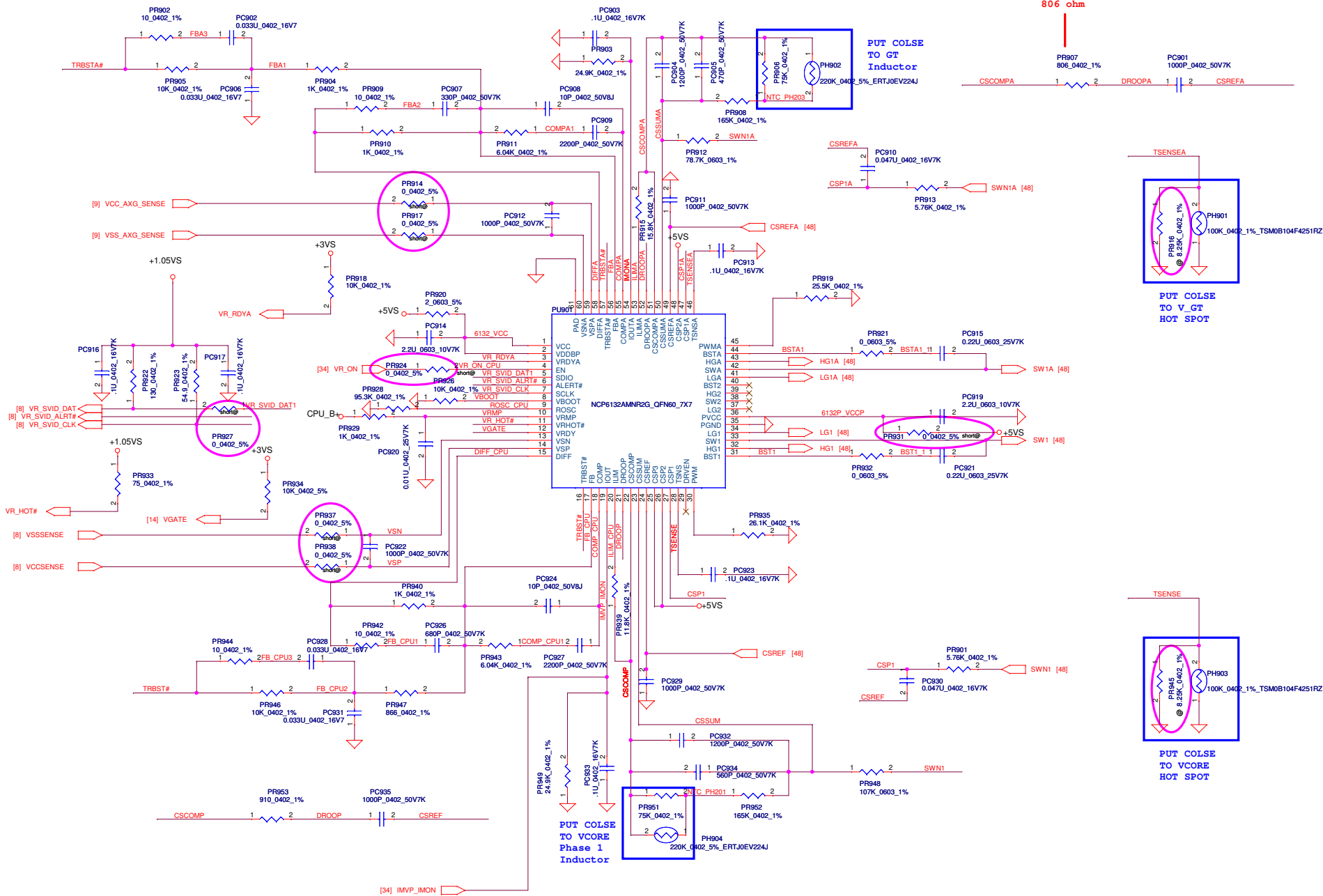
Security Classification		Compal Secret Data		<i>Compal Electronics, Inc.</i> PWR+1.5VP/+1.8VSP	
Issued Date	2010/01/25	Deciphered Date	2010/12/31	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE REPRODUCED, COPIED, OR DISCLOSED TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC.				Size	Rev
NO PART OF THIS SHEET MAY BE REPRODUCED, COPIED, OR DISCLOSED TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC.				Document Number	1.0
				C38 Chief River Schematic	
				Date:	Thursday, October 04, 2012
				Sheet	44 of 50



AMY WEN

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 REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size Custom	C38 Chief River Schematic
				Document Number	Rev 1.0
				Date	Thursday, October 04, 2012
				Sheet	46 of 50

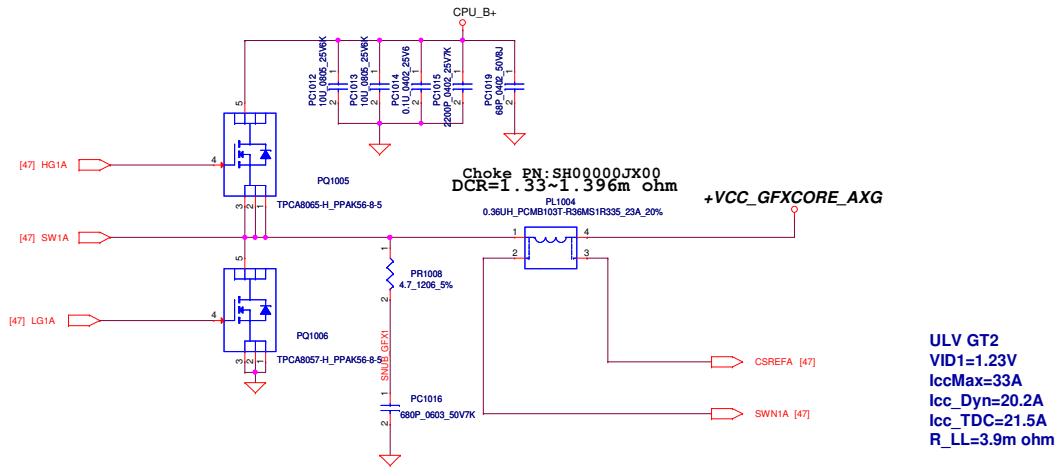
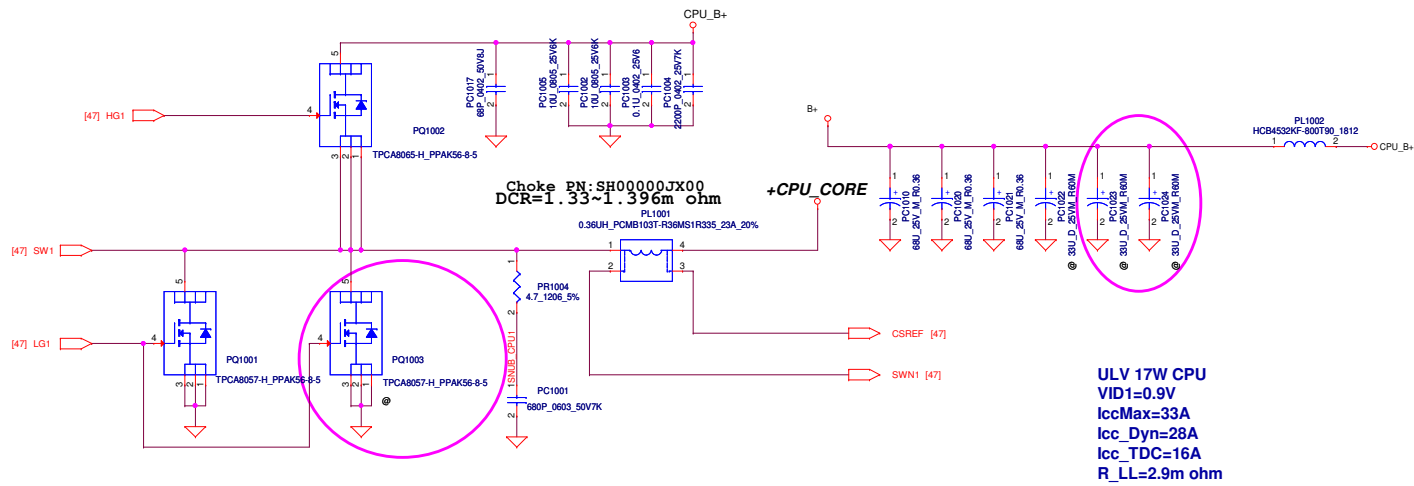
www.vinallix.vn



AMY WEN

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2009/12/01	Deciphered Date	2010/12/31	Title	PWR-CPU_CORE
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL INFORMATION. IT IS TO BE KEPT IN THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NO PART OF THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Document Number	C38 Chief River Schematic
				Date	Thursday, October 04, 2012
				Sheet	47 of 50

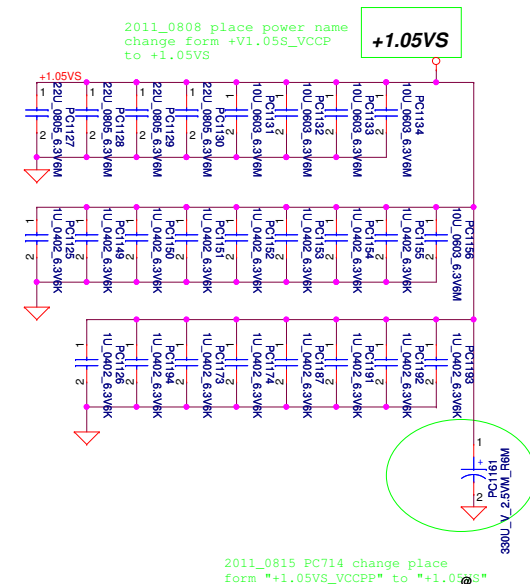
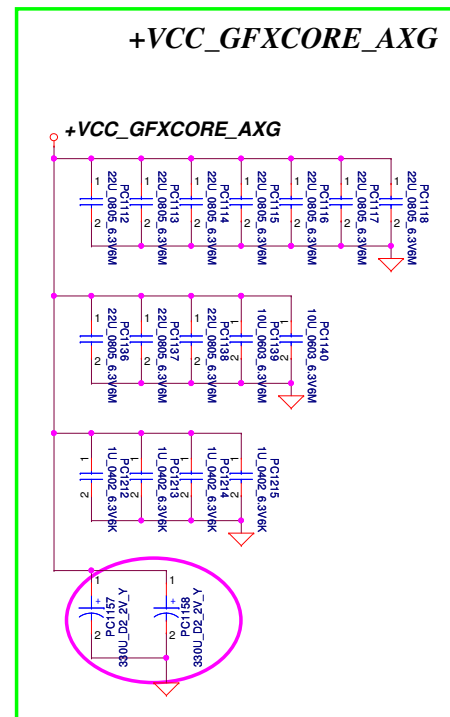
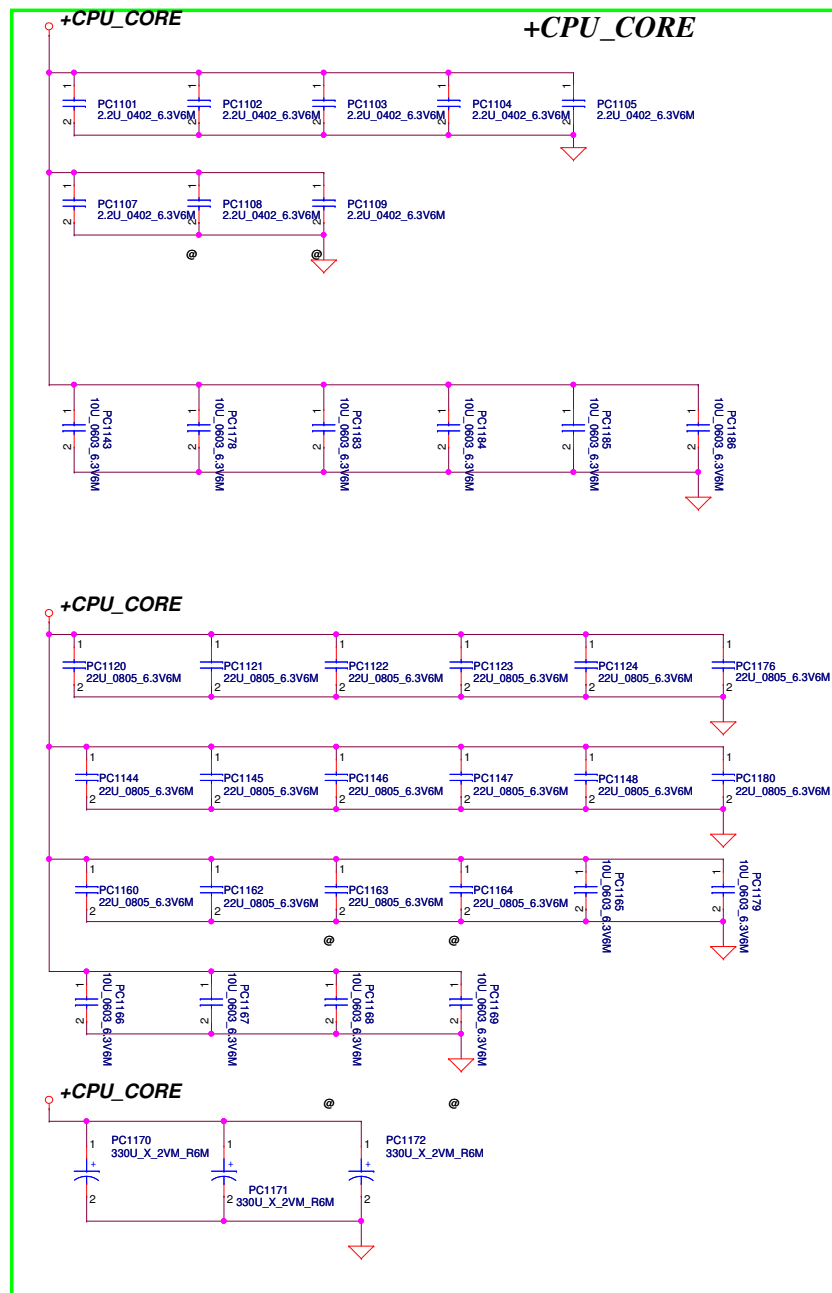
www.vitalix.vn



AMY WEN

Security Classification	Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2009/12/01	Deciphered Date	2010/12/31	Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THE SHEET MUST NOT BE TRANSMITTED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT OR USED AS A SOURCE FOR ANY COMPAL ELECTRONICS, INC. EITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED, REPRODUCED, COPIED, OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size Document Number
				Custom C38 Chief River Schematic
				Date: Thursday, October 04, 2012 Sheet 48 of 50

www.vinafix.vn



AMY WEN

Security Classification		Compal Secret Data		Title	
Issued Date	2008/09/15	Deciphered Date	2009/09/15	Compal Electronics, Inc.	
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 TRANSMITTED, REPRODUCED, COPIED, OR DISCLOSED TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				PWR - PROCESSOR DECOUPLING	
Size		Document Number		Rev	
Date		Thursday, October 04, 2012		1.0	
Sheet		49		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 (SH000000H200)	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	
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 TRANSMITTED 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 C38 Chief River Schematic	
				Rev 1.0	
				Date: Thursday, October 04, 2012	
				Sheet 50 of 50	