**MODEL NAME: VAW01** 

PROJECT CODE: ANRVAW0100 PCB NO: LA-9101P (Mars Pro)

DA60000UT00 LA-9101P M/B

DA40001FO00 LS-9101P POWER BUTTON/B

DA40001FP00 LS-9102P USB/B

DA40001FQ00 LS-9103P TP BUTTON/B







HANNR3@ ZZZ

VAW00 LA-9101P LS-9101P/9102P/9103P HANNSTARB A31 ! PCB V

PCB VAW00 LA-9101P LS-9101P/9102P/9103P ZDT A31 !

# **Dell / Compal Confidential**

# **Schematic Document**

Intel Chief River

Ivy Bridge (BGA) + Panther Point

OAK 15" UMA/DIS AMD Mars Pro

2012-08-22 Rev: 0.4

46@: for 46 level

@: Nopop Component

**CONN@: Connector Component** 

KB9012@: ENE KB9012 Implemented

UMA@: Only for UMA EMC@: EMI/ESD parts

GCLK@: Green CLK implemented GCLKUMA@: Green CLK for UMA GCLKDIS@: Green CLK for DIS

XTAL@: X'tal implemented

XTALDIS@: X'tal with DIS implemented

R1@: R1 P/N i3R1@

R3@: R3 P/N

i3R1@: CPU i3-3217 1.8G i3VOSR1@: CPU i3-2365 1.4G

i5R1@: CPU i5-3317 1.7G

i7R1@: CPU i7-3517 1.9G CELR1@: CPU Celeron 887 1.5G

PENR1@: CPU Pentium 997 1.6G

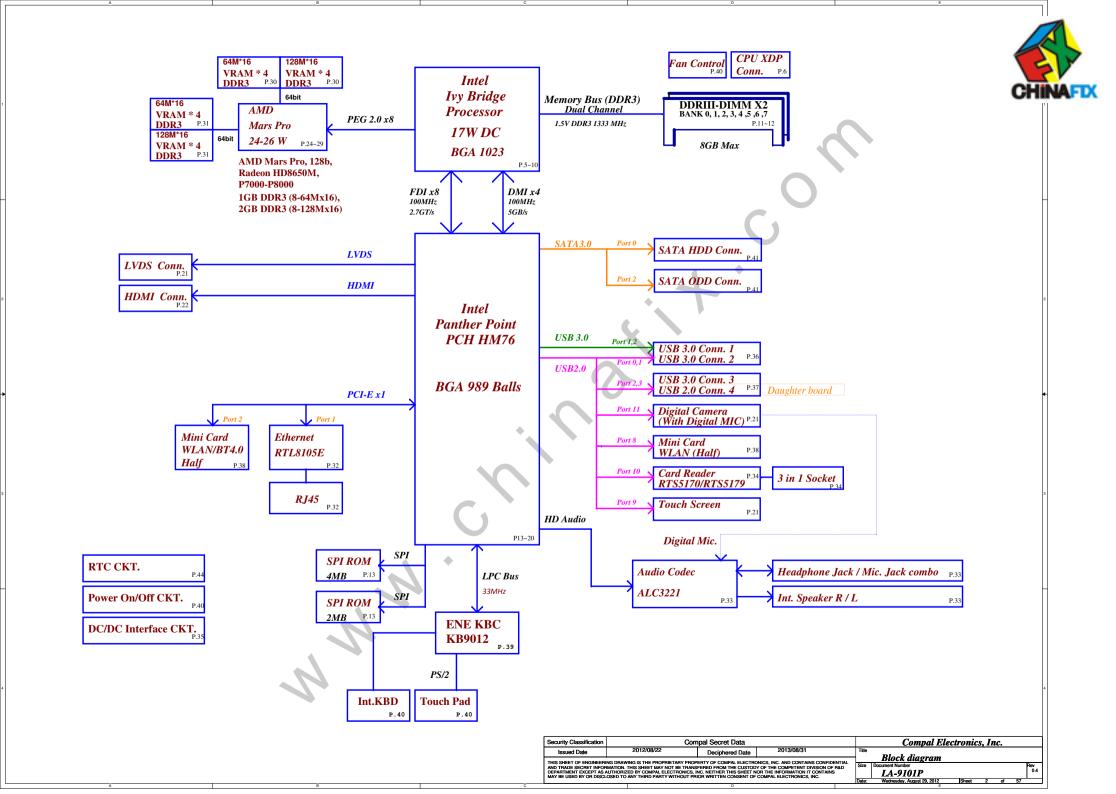
DIS@: Only for Discrete

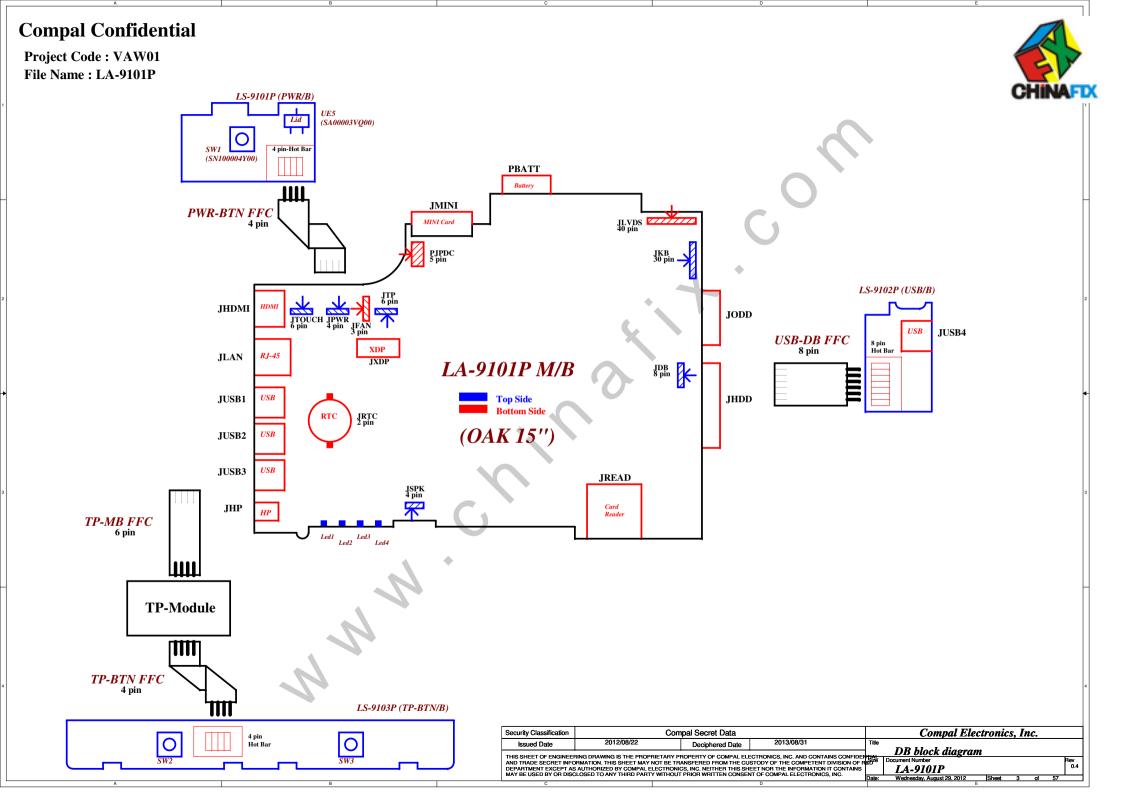
TH@/THR1@: Thames-XT MS@/MSR1@: Mars Pro

X76@:

**SPI-ROM & VRAM Group** 

Security Classification	Com		Compal Elec	tronic	cs. I	nc.				
Issued Date	2012/08/22	Deciphered Date	2013/08/31	Title	Comer Done					
THIS SHEET OF ENGINEER	RING DRAWING IS THE PROPRIETARY PR	ROPERTY OF COMPALELE	CTRONICS, INC. AND CONTAINS CONFIDEN STODY OF THE COMPETENT DIVISION OF R	1 Size	Cover Page Document Number				F	Rev
				Eustor	LA-9101P					0.4
MAY BE USED BY OR DISC	CLOSED TO ANY THIRD PARTY WITHOUT	PHICH WHII TEN CONSEN	IT OF COMPAL ELECTRONICS, INC.	Date:	Wednesday, August 29, 2012	Sheet	1	of	57	-





# **Board ID Table for AD channel**

Doui a ib	Tubic ioi AB	onanio.			
Vcc	3.3V +/- 5%				
Ra	100K +/- 5%				
Board ID	Rb	$V_{AD\_BID}$ min	$V_{\mathtt{AD\_BID}}$ typ	$V_{AD\_BID}$ max	EC AD3
0	0	0 V	0 V	0.155 V	0x00-0x0C
1	8.2K +/- 5%	0.168 V	0.250 V	0.362 V	0x0D-0x1C
2	18K +/- 5%	0.375 V	0.503 V	0.621 V	0x1D-0x30
3	33K +/- 5%	0.634 V	0.819 V	0.945 V	0x31-0x49
4	56K +/- 5%	0.958 V	1.185 V	1.359 V	0x4A-0x69
5	100K +/- 5%	1.372 V	1.650 V	1.838 V	0x6A-0x8E
6	200K +/- 5%	1.851 V	2.200 V	2.420 V	0x8F-0xBB
7	NC	2.433 V	3.300 V	3.300 V	0xBC-0xFF

DUA	BOAND ID Table					
ID	PCB	Revi	sion			
0	0.1			ı		
1		0.1	0.1			
2	0.2					
3		0.2	0.2	П		
4	0.3			П		
5	0.4	0.3	0.3	lſ		
6	1.0		0.4			
7		1.0	1.0	lľ		

# **Project ID Table**

	ID	Project Revision
П	0	
П	1	
П	2	
П	3	
П	4	
П	5	UMA
П	6	DIS THAMES
П	7	DIS MARS PRO
_		

#### SMBUS Control Table

	SOURCE	MINI1	MINI2	BATT	SODIMM	Express Card	Thermal Sensor	FFS	VGA Thermal Sensor	VGA	XDP	Charger
EC_SMB_CK1 EC_SMB_DA1	KB9012			V								V
EC_SMB_CK2 EC_SMB_DA2	КВ9012								V	V		
PCH_SMLOCLK PCH_SMLODATA	PCH											
PCH_SML1CLK PCH_SML1DATA	PCH											
MEM_SMBCLK MEM_SMBDATA	PCH	<b>V</b>	V		V	V		V			V	

Link
------

	USB PORT#	DESTINATION (				
	0	USB conn.2				
	1	USB conn.1				
	2	USB conn.3				
	3	USB conn.4 (DB)				
	4	NC				
	5	NC				
PCH	6	NC				
	7	NC				
	8	MINI CARD (WLAN)				
	9	Touch Screen				
	10	Card Reader				
	11	Camera				
	12	NC				
	13	NC				

	DIFFERENTIAL	DESTINATION
	CLKOUT_PCIE0	10/100 LAN
	CLKOUT_PCIE1	MINI CARD WLAN
	CLKOUT_PCIE2	None
CLK	CLKOUT_PCIE3	None
	CLKOUT_PCIE4	None
	CLKOUT_PCIE5	None
	CLKOUT_PCIE6	None
	CLKOUT_PCIE7	None
	CLKOUT_PEG_B	None

	CLKOUT	DESTINATION
	PCI0	PCH_LOOPBACK
4	PCI1	EC LPC
	PCI2	None
	PCI3	None
	PCI4	None

**DESTINATION** 

None

None

None

None

**FLEX CLOCKS** 

**CLKOUTFLEX0** 

**CLKOUTFLEX1** 

**CLKOUTFLEX2** 

**CLKOUTFLEX3** 

SAT	A	DESTINATION
SAT	<b>A</b> 0	HDD
SAT	<b>A</b> 1	None
SAT	<b>A</b> 2	ODD
SAT	А3	None
SAT	Α4	None
SAT	<b>A</b> 5	None

DESTINATION
10/100 LAN
MINI CARD (WLAN)
None

# Symbol Note:

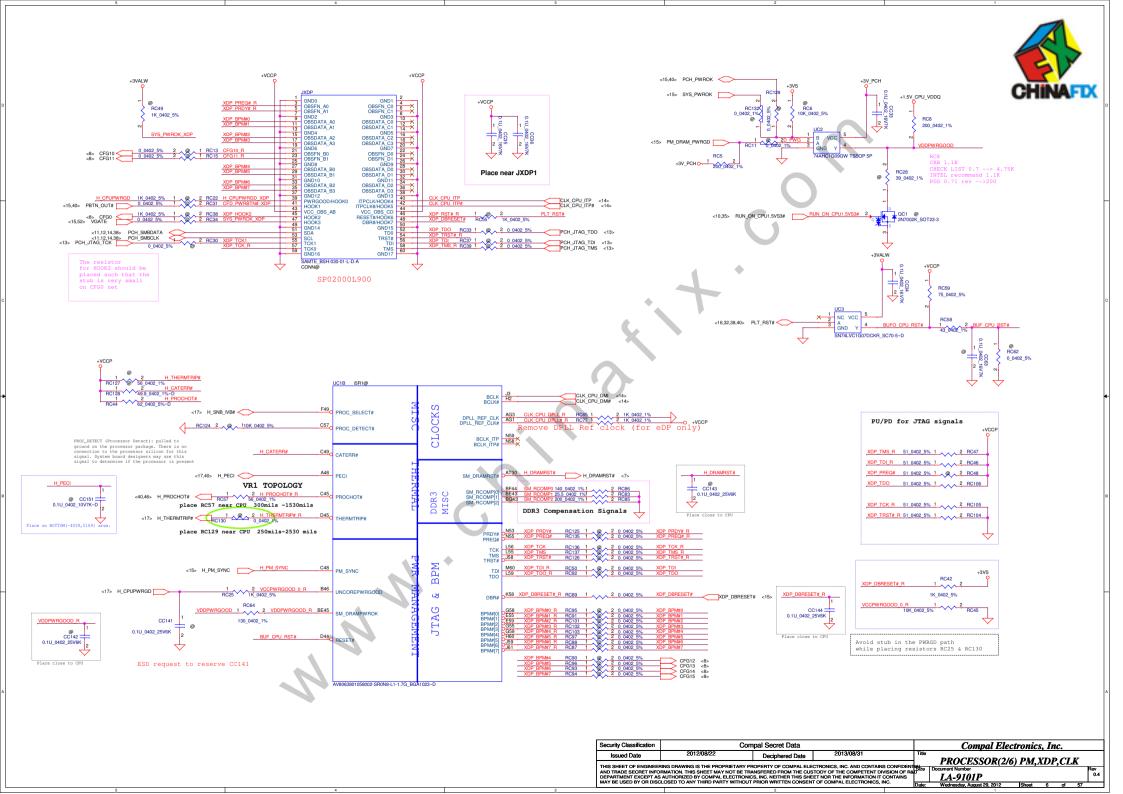


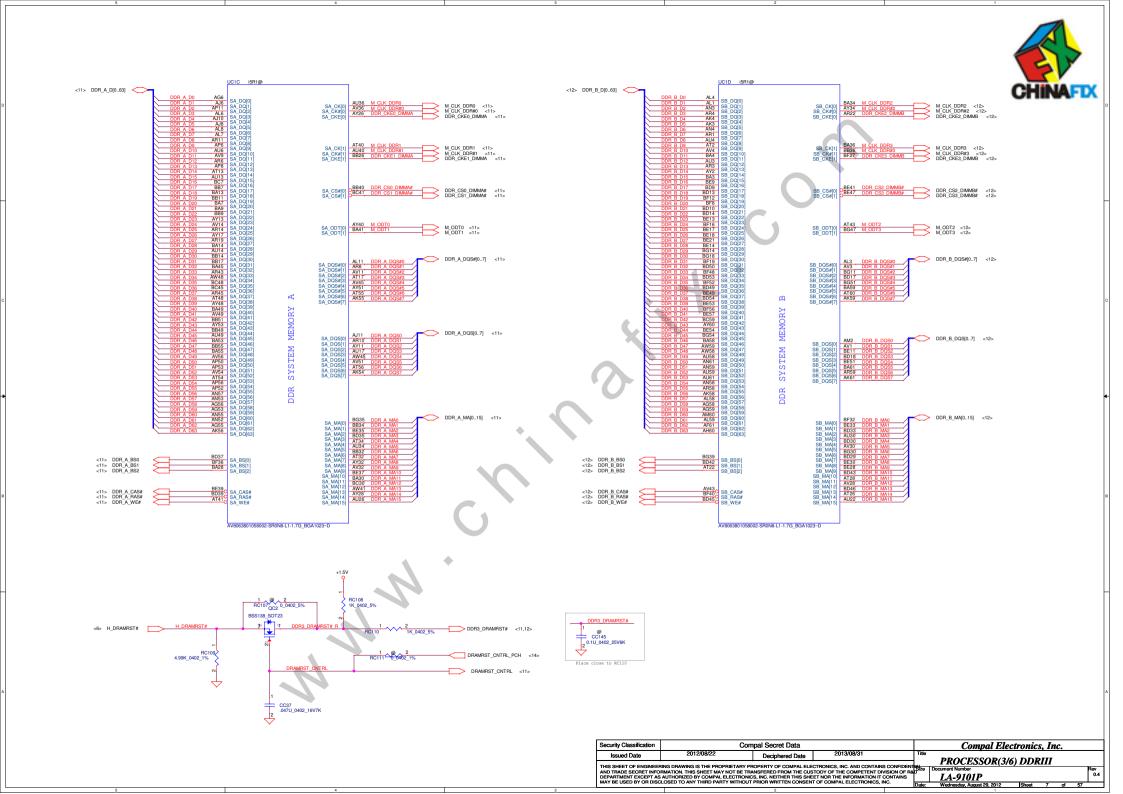
: means Digital Ground

<del>\_</del>:

: means Analog Ground

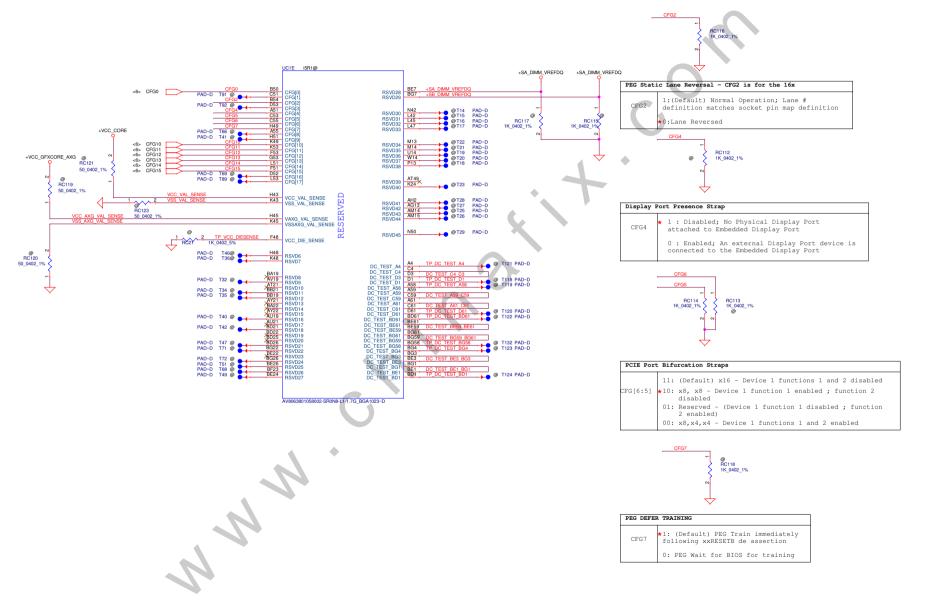






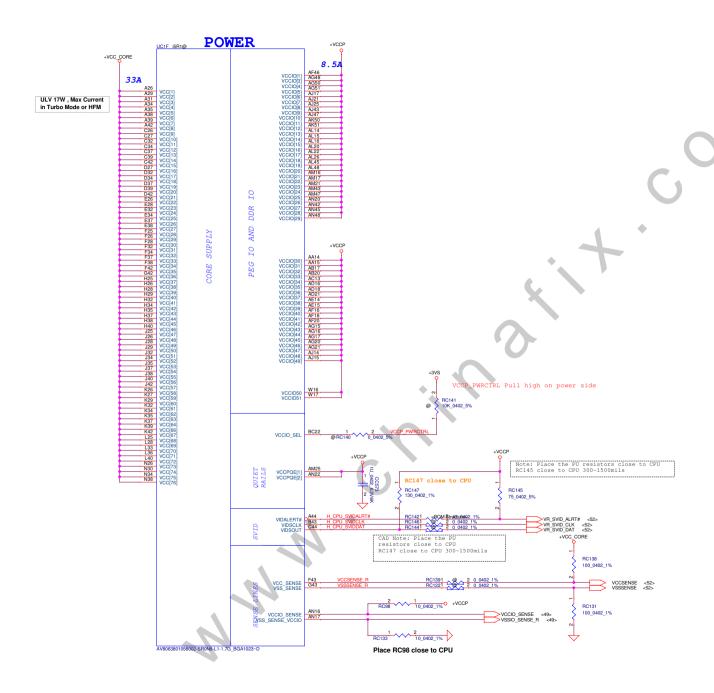


### CFG Straps for Processor



Issued Date 2012/08/22 Deciphered Date 2013/08/31 Tile PROCESSOR(4/6) RSVD,CFC  THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIALS AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERED FROM THE CUSTODY OF THE COMPATION IT CONTAINS  DOCUMENT NUMBER OF THE COMPATION IT CONTAINS  THE PROCESSOR(4/6) RSVD,CFC  DOCUMENT NUMBER OF THE COMPATION IT CONTAINS  THE PROCESSOR(4/6) RSVD,CFC  DOCUMENT NUMBER OF THE COMPATION IT CONTAINS  THE PROCESSOR(4/6) RSVD,CFC  THE PROCESSOR (4/6) RSVD,CFC  THE PROCESSOR (4/6) RSVD,CFC  DOCUMENT NUMBER OF THE COMPATION IT CONTAINS  THE PROCESSOR (4/6) RSVD,CFC  THE PROCESSOR (4/6) RSVD,CFC		ronics, Inc.	Compal Electronic			npal Secret Data	Con	Security Classification
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIBLE  AND TRANGE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERED FORM THE CHECKED THE COMPETENT DIVISION OF BEIN TO BE TRANSFERED FORMATHE CHECKED THE COMPETENT DIVISION OF BEIN TO BE TRANSFERED FOR THE COMPETENT DIVISION OF BEIN THE COMPETENT DIVISION OF BEIN TO BE TRANSFERED FOR THE COMPETENT DIVISION OF BEIN TO BE TRANSFERED FOR THE BEIN THE COMPETENT DIVISION OF BEIN THE COMPETENT DIVISION OF BEIN THE BEI		DCVD CEC		Title	2013/08/31	Deciphered Date	2012/08/22	Issued Date
MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.    Date: Wednesday, Junuary 29, 2012   Sheet 8 of	Rev 0.4	KSVD,CFU	Document Number  LA-9101P	Tiel Size	ET NOR THE INFORMATION IT CONTAINS	S, INC. NEITHER THIS SHE	S AUTHORIZED BY COMPAL ELECTRONIC	DEPARTMENT EXCEPT AS





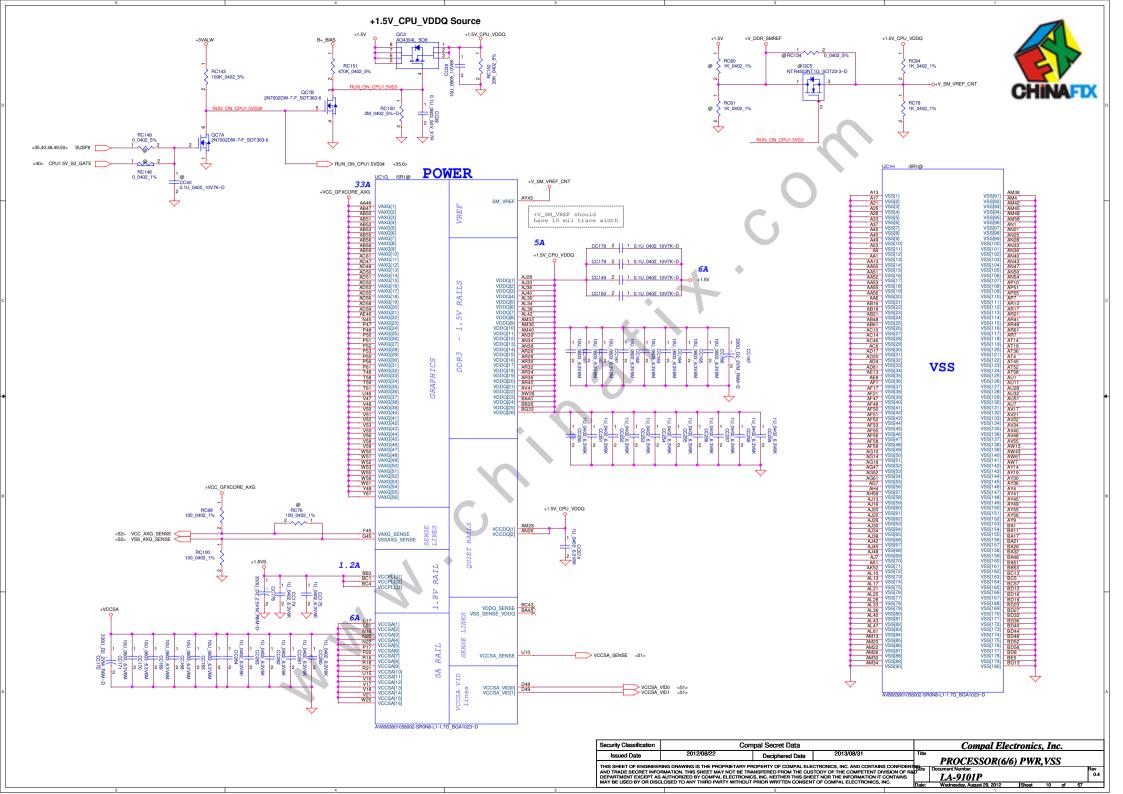
Iccmax current changed for PDDG Rev0.7

CPU Power Rail Table										
Voltage Rail	Voltage	S0 Iccmax Current (A)								
vcc	0.65-1.3	53								
VCCIO	1.05/1	8.5								
VAXG	0.0-1.1	33								
VCCPLL	1.8	1.2								
VDDQ	1.5	5								
VCCSA	0.65-0.9	6								
+1.5V_MEM	1.5	12-16 *								

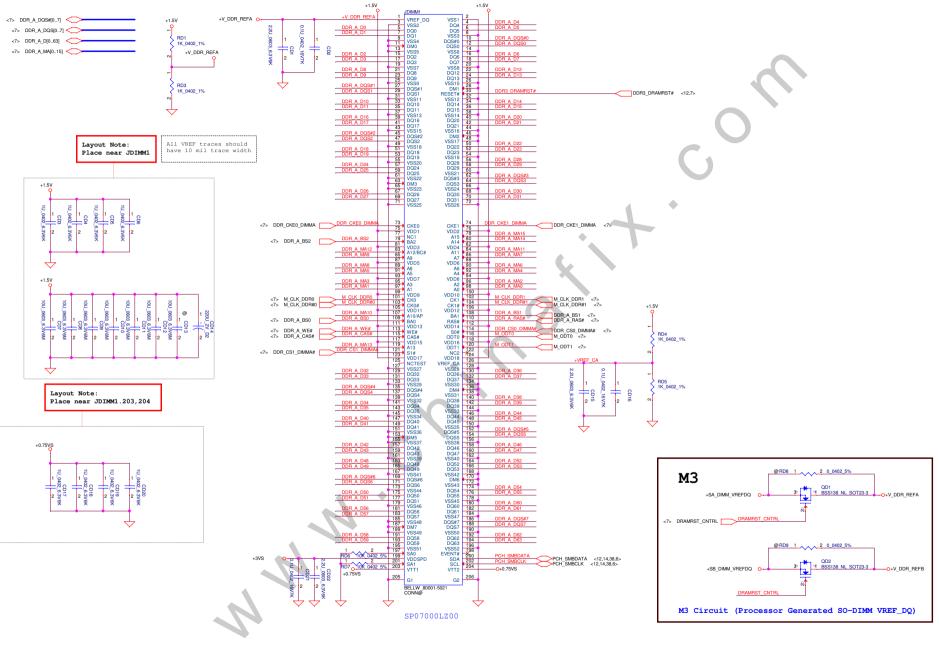
\* Description

5A to Mem controller(+1.5V\_CPU\_VDDQ) 5-6A to 2 DIMMs/channel 2-5A to +1.5V\_RUN & +0.75V\_DDR\_VTT

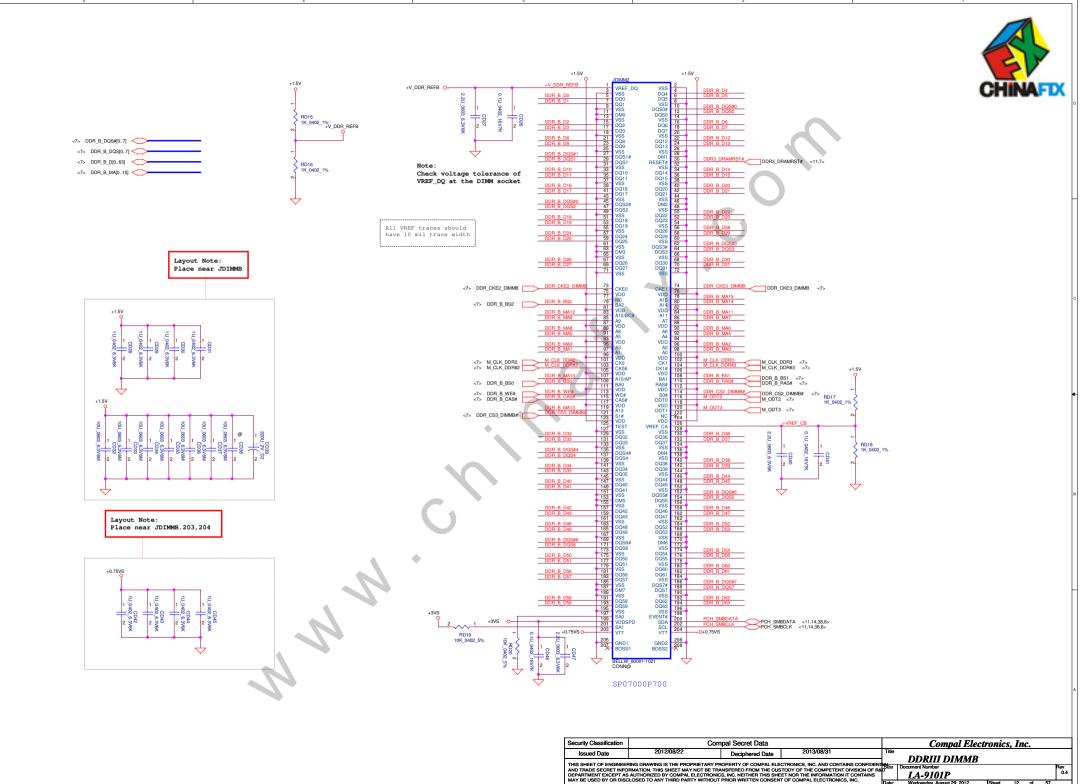
Security Classification	Com		Compal Electronics, Inc.				
Issued Date	2012/08/22	Deciphered Date	2013/08/31	Title	DDACECCAD(E/C) DWD DVDAC	~	
DEPARTMENT EXCEPT AS	RMATION. THIS SHEET MAY NOT BE TRA	INSFERED FROM THE CUS IS, INC. NEITHER THIS SHE	CTRONICS, INC. AND CONTAINS CONFIDENT STODY OF THE COMPETENT DIVISION OF RE EET NOR THE INFORMATION IT CONTAINS	Size	PROCESSOR(5/6) PWR,BYPASS Document Number LA-9101P		Rev 0.4
MAT BE USED BY OH DISC	LUSED TO ANY THIRD PARTY WITHOUT	PHICH WHITTEN CONSEN	I OF COMPAL ELECTHONICS, INC.	Date:	Wednesday August 29 2012 Sheet 9 of	57	

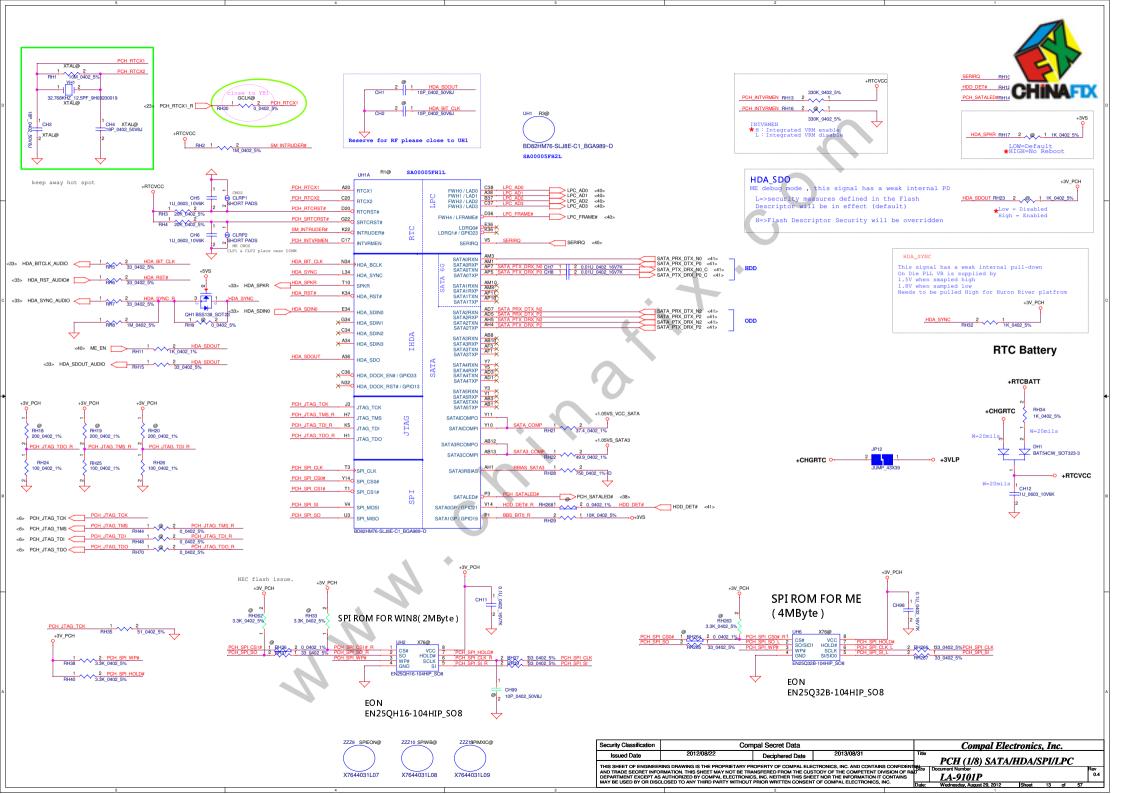


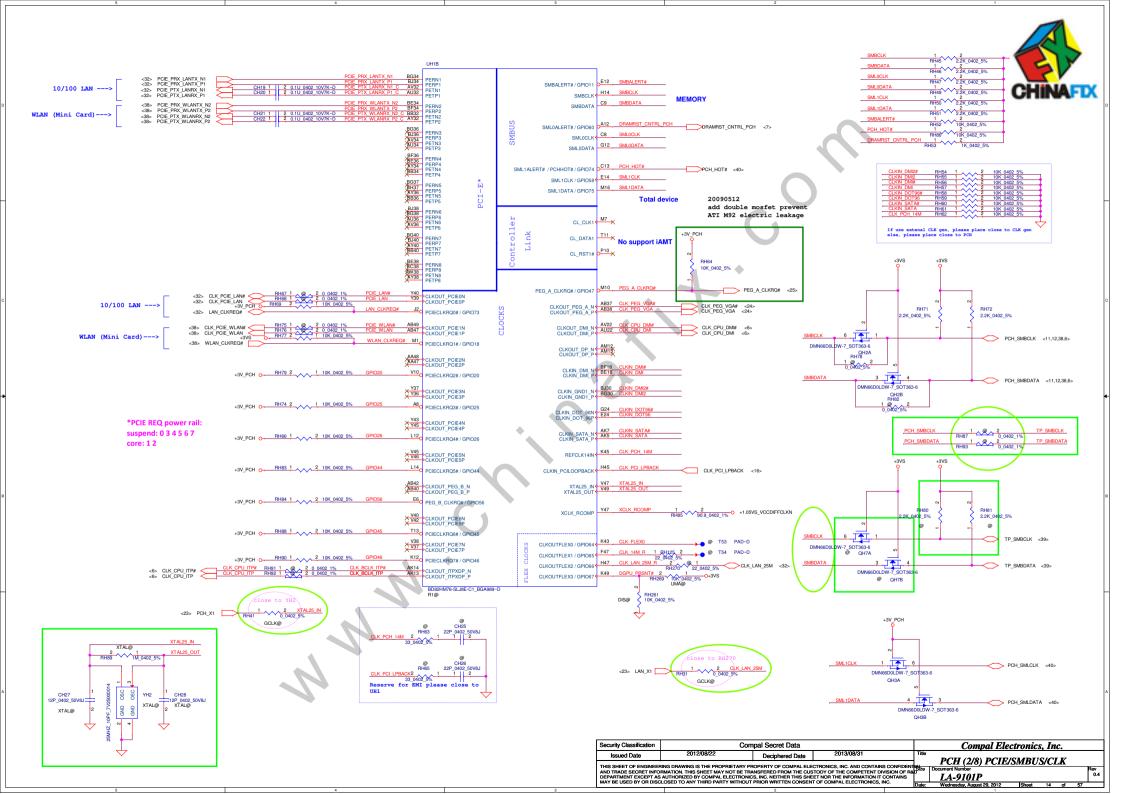




Security Classification		npal Secret Data				Compal Elec	<u>tronics</u>	<u>s, In</u>	c.		
Issued Date	2012/08/22	Deciphered Date	2013/08/31		Title						
THIS SHEET OF ENGINEER	ING DRAWING IS THE PROPRIETARY PI	ROPERTY OF COMPALELE	CTRONICS. INC. AND CONTAINS	S CONFIDENT	IAL .	DDRIII DIMMA					_
AND TRADE SECRET INFO	RMATION. THIS SHEET MAY NOT BE TRA	ANSFERED FROM THE CUS	STODY OF THE COMPETENT DIV	VISION OF R&	Size						Rev 0.4
	AUTHORIZED BY COMPAL ELECTRONIC LOSED TO ANY THIRD PARTY WITHOUT					LA-9101P					0.4
MAT BE USED BT ON DISC	LOSED TO ANT THIRD PARTT WITHOUT	FRIOR WAITTEN CONSEN	IT OF COMPAC ELECTRONICS, I	NO.	Date:	Wednesday, August 29, 2012	Sheet		of	57	





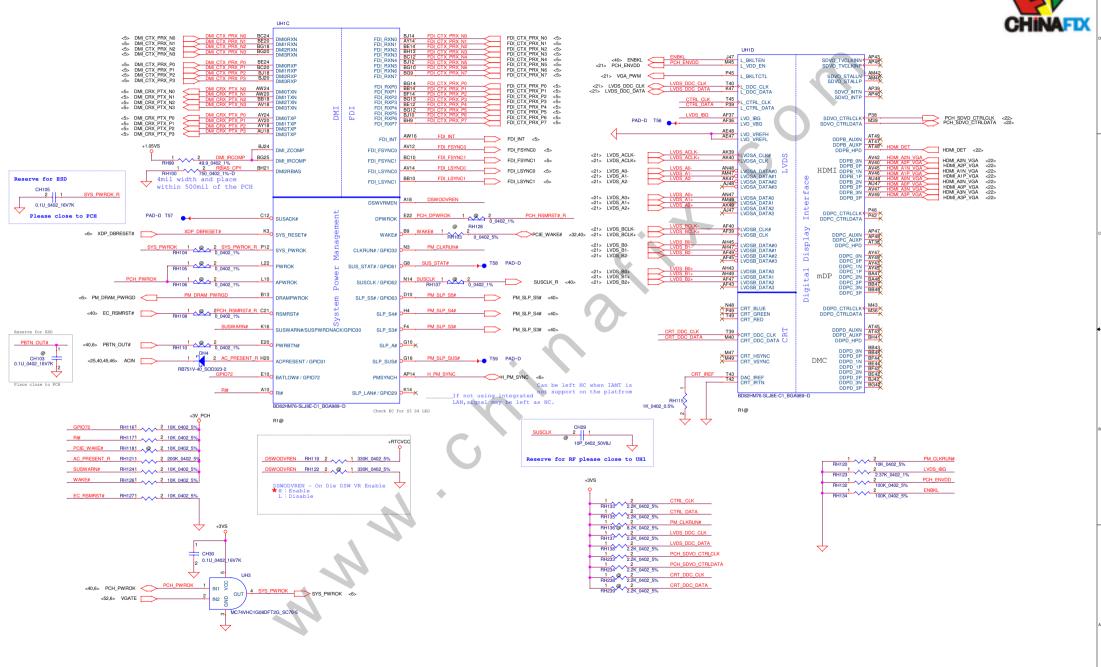




Compal Electronics, Inc.

PCH (3/8) DMI/FDI/PM/GFX/DP

LA-9101P



Security Classification

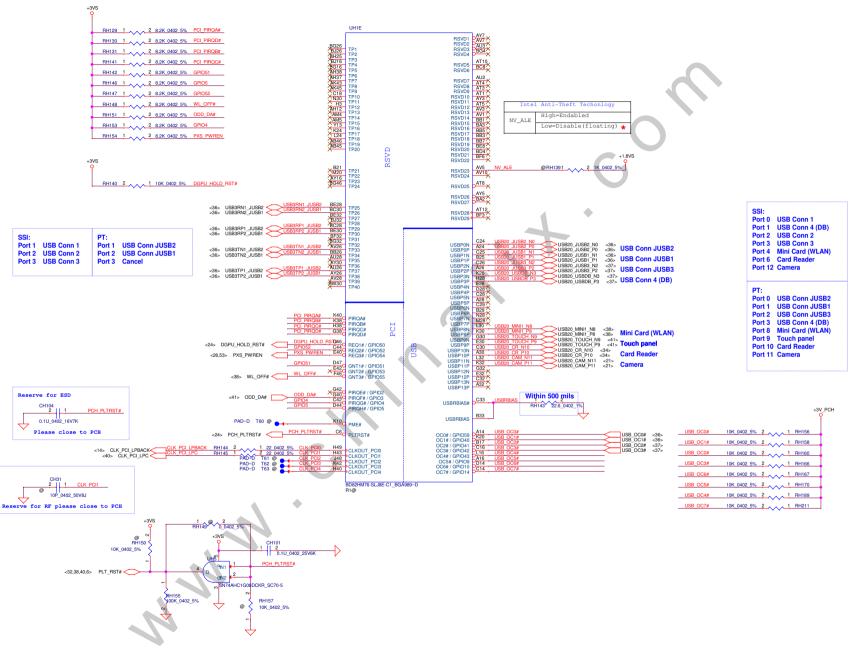
Compal Secret Data

Deciphered Date

THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDE AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERED FROM THE CUSTODY OF THE COMPETENT DIVISION OF I

PARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS Y BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.





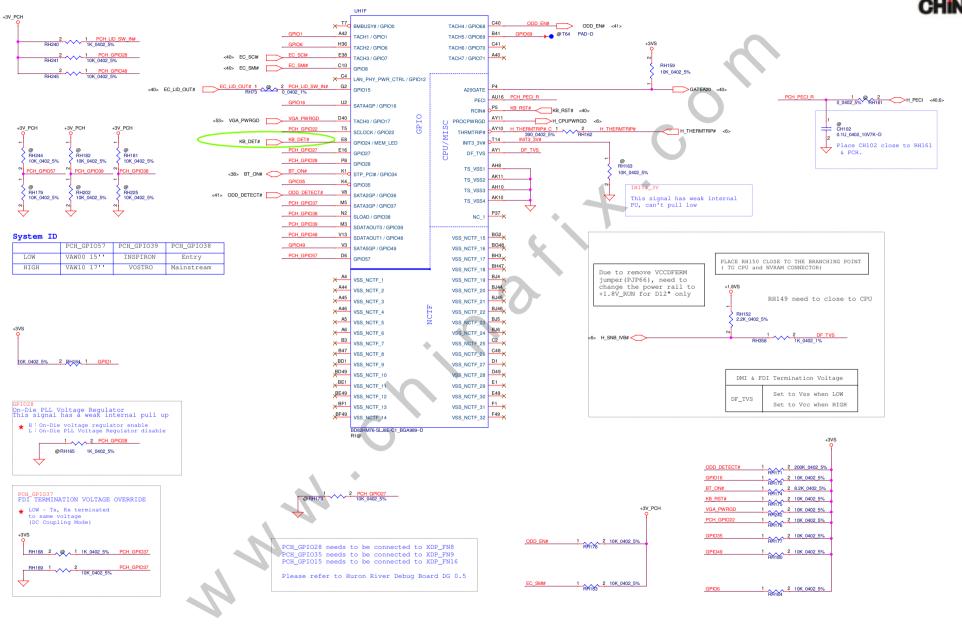
Security Classification Compal Secret Data						Com	pal Eleci	<u>tronics</u>	<u>, In</u>	<b>:</b>		
Issued Date	2012/08/22	Deciphered Date	2013/08/31		Title	DCII (4/0	DCIA	'D/A/T/	D 4 1	_		
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIG. AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERED FROM THE CUSTODY OF THE COMPETENT DIVISION ON MAY BE USED BY OF BIOSCASS TO ANY THEIR PARTY WITHOUT PRICE WHITTEN (ORSEN) OF COMPALE BESTERONICS. WE					Size	PCH (4/8) Document Number LA-91011			KAN	<u>.                                    </u>		Rev 0.4
MAT BE USED BY ON DISC	COSED TO ANT THIRD PARTT WITHOUT	PRICH WAITTEN CONSEN	T OF COMPAC ELECTRONICS, II	NC.	Date:	Wednesday, Augus	t 29, 2012	Sheet	16	of	57	



Compal Electronics, Inc.

PCH (5/8) GPIO/CPU/MISC

LA-9101P



Security Classification

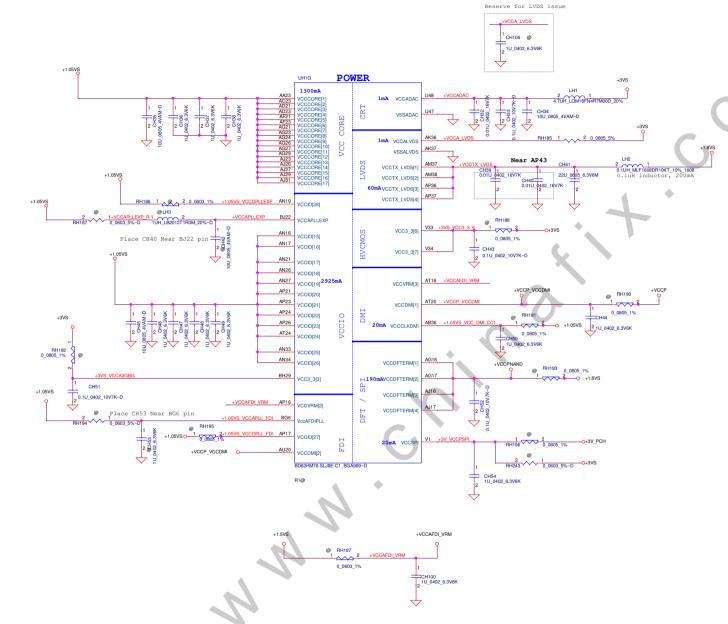
Compal Secret Data

THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETABY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDEN AND TRADE SECRET INFORMATION. THIS SHEET MAN FOR THE TRANSPEREDE FROM THE CLISTOMY OF THE COMPETER TURNON OF RA 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 WHITTEN CONSENT OF COMPAL ELECTRONICS, INC.

Deciphered Date

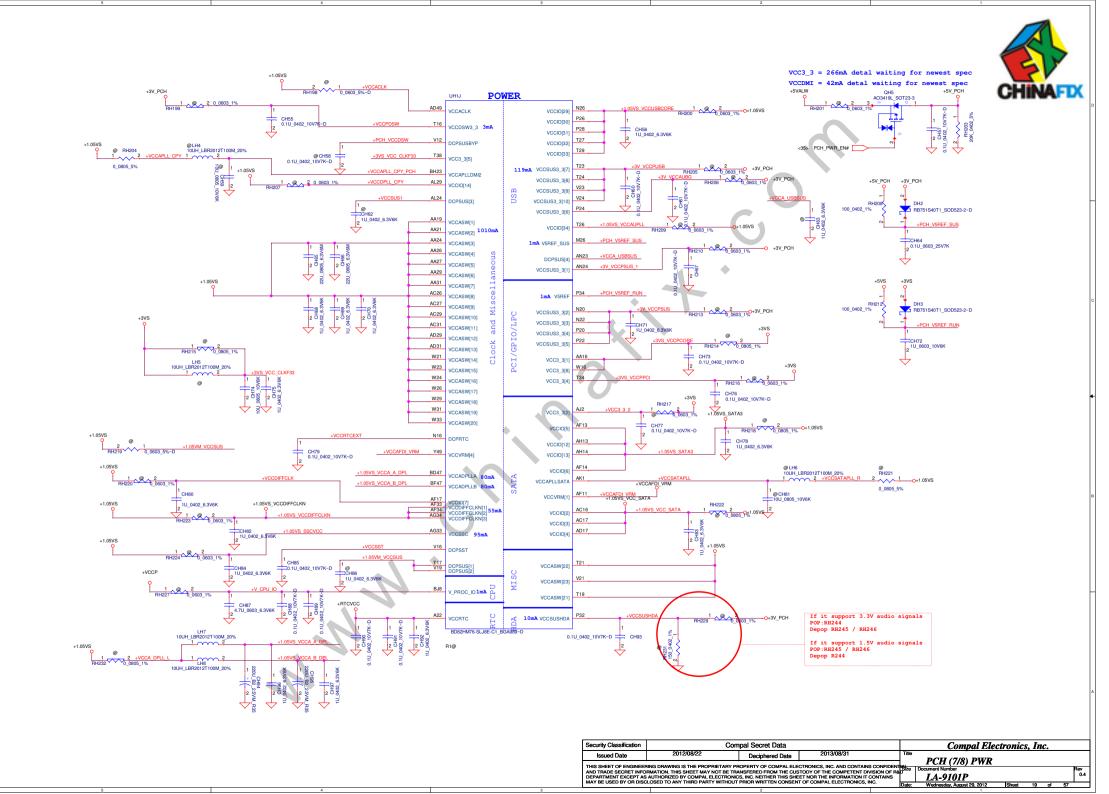
2013/08/31

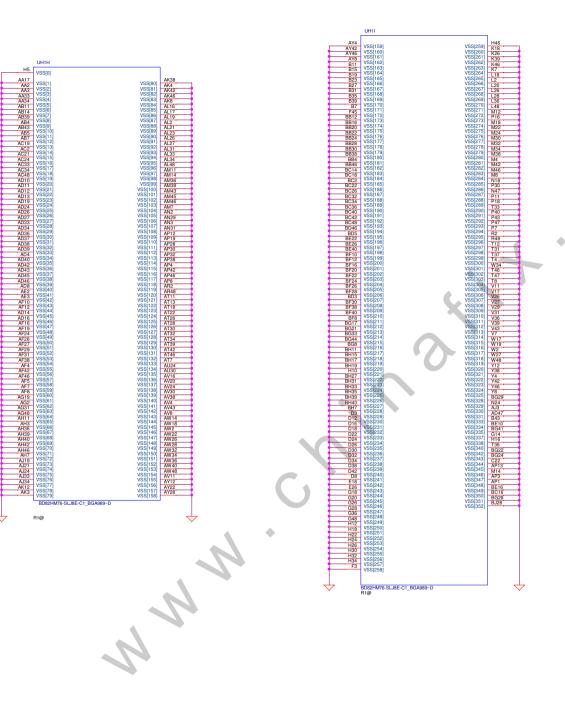




PCH Power Rail Table								
Voltage Rail	Voltage	S0 Iccmax Current (A)						
V_PROC_IO	1.05	0.001						
V5REF	5	0.001						
V5REF_Sus	5	0.001						
Vcc3_3	3.3	0.266						
VccADAC	3.3	0.001						
VccADPLLA	1.05	0.08						
VccADPLLB	1.05	0.08						
VccCore	1.05	1.3						
VccDMI	1.05	0.042						
VccIO	1.05	2.925						
VccASW	1.05	1.01						
VccSPI	3.3	0.02						
VccDSW	3.3	0.003						
VccpNAND	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		pal Secret Data			Compal Elec	tronics	s, Inc	c.	
Issued Date	2012/08/22	Deciphered Date	2013/08/31	Title	PCH (6/8) PWR				
DEPARTMENT EXCEPT AS	RMATION. THIS SHEET MAY NOT BE TRA	INSFERED FROM THE CUS IS, INC. NEITHER THIS SHE	CTRONICS, INC. AND CONTAINS CONFIDEN TODY OF THE COMPETENT DIVISION OF RA ET NOR THE INFORMATION IT CONTAINS TOR COMPANY ELECTRONICS INC.	Size	Document Number  LA-9101P				Re
MAT BE USED BY ON DISC	LOSED TO ANT THIRD PARTY WITHOUT	PRIOR WHITTEN CONSEN	I OF COMPACELECTHONICS, INC.	Date:	Wednesday, August 29, 2012	Sheet	18	of	57







Security Classification Compal Secret Data Compal Electronics, Inc.

Issued Date 2012/08/22 Deciphered Date 2013/08/31 Title

THIS SHEET OF ENDAMERING DRAWNOL IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONCS, INC. AND CONTAINS CONFIDENT
AND TRADE SHEEP INFORMATION. THIS SHEET MAY NOT BE TRANSPREEDE FROM THE CUSTOMY OF THE COMPETENT DIVISION OF RAD DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONCS, INC. NEITHER THIS SHEET NOST THE INFORMATION IT CONTAINS

MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PROPERTY OF COMPAT. ELECTRONCS, INC.

Date:

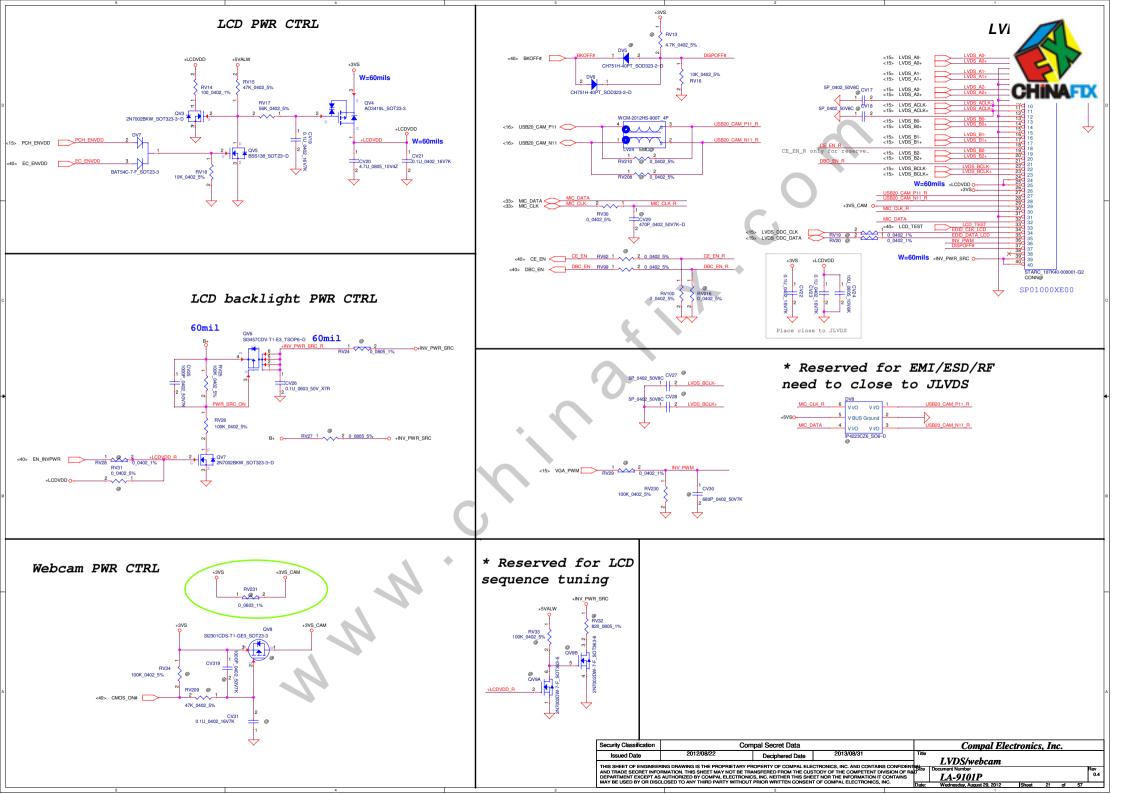
\*\*DEFINITION OF THE SHEET MAY NOT BE TRANSPREED FROM THE SHEET NOST THE INFORMATION IT CONTAINS
ANY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PROPERTY OF COMPAT. ELECTRONCS, INC.

\*\*DEFINITION OF THE SHEET MAY SHEET THE SHEET NOST THE INFORMATION IT CONTAINS

THE SHEET OF THE SHEET THE SHEET NOST THE SHEET NOST THE INFORMATION IT CONTAINS

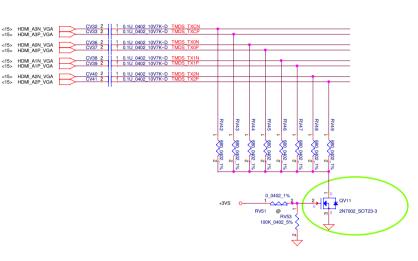
THE SHEET OF THE SHEET THE SHEET THE SHEET NOST THE INFORMATION IT CONTAINS

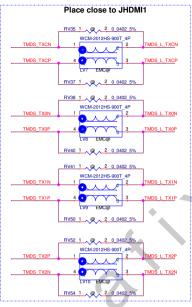
THE SHEET OF THE SHEET THE

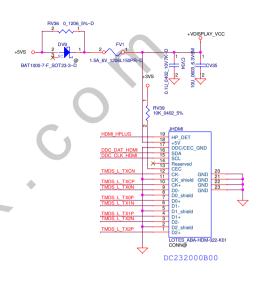


#### W=40mils

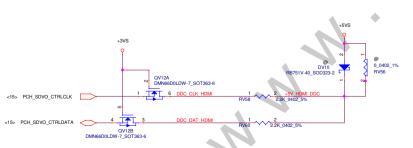




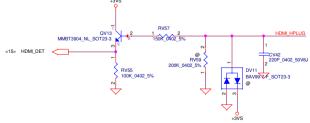








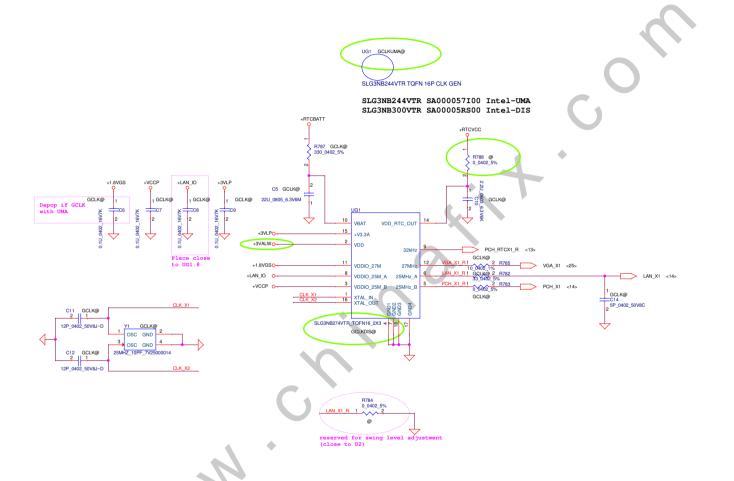




46@	ROYALTY HDMI W/LOGO
Part Number	Description
R00000002HM	HDMI W/Logo:RO0000002HM

Security Classification		npal Secret Data				Compal Ele	ctroni	cs. l	nc.		
Issued Date	2012/08/22	Deciphered Date	2013/08/31		Title	HDMI .		•			
DEPARTMENT EXCEPT AS	RING DRAWING IS THE PROPRIETARY PR RMATION. THIS SHEET MAY NOT BE TRA AUTHORIZED BY COMPAL ELECTRONIC LOSED TO ANY THIRD PARTY WITHOUT	ANSFERED FROM THE CUS S, INC. NEITHER THIS SHE	STODY OF THE COMPETENT DIV SET NOR THE INFORMATION IT (	CONTAINS		Document Number  LA-9101P					Rev 0.4
MAT BE USED BY ON DISC	EUSED TO ANT THIRD PARTT WITHOUT	PRIOR WAITTEN CONSEN	TOF COMPACELECTRONICS, II	<b>4</b> C.	Date:	Wednesday, August 29, 2012	Sheet	22	of	57	

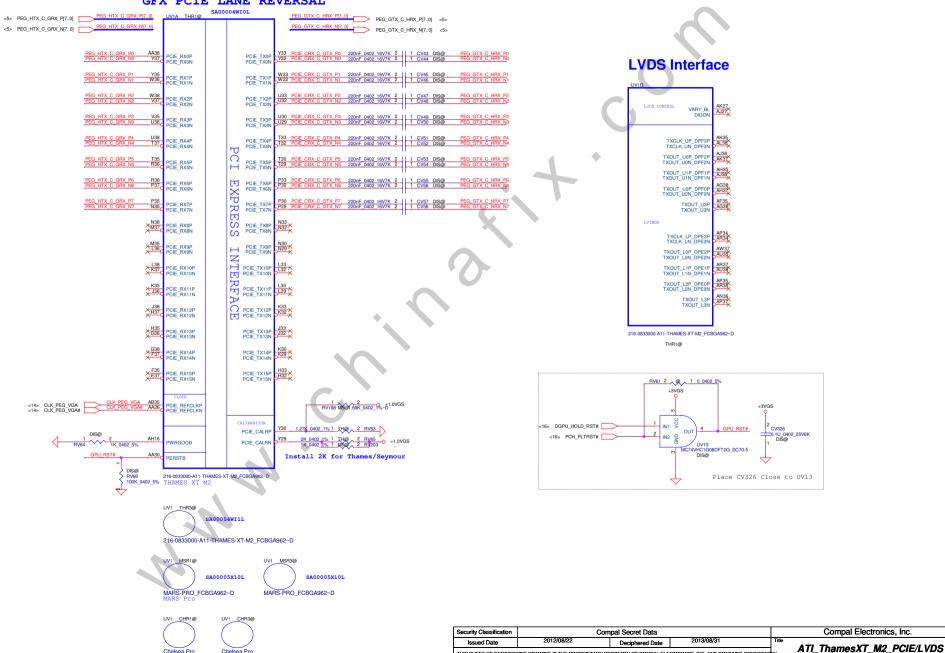




Security Classification		npal Secret Data			Compal Ele	ctroni	cs. I	nc.		
Issued Date	2012/08/22	Deciphered Date	2013/08/31	Title	GCLK					
DEPARTMENT EXCEPT AS	RMATION. THIS SHEET MAY NOT BE TRA	ANSFERED FROM THE CUS S, INC. NEITHER THIS SHE	CTRONICS, INC. AND CONTAINS CONFIDEN STODY OF THE COMPETENT DIVISION OF R EET NOR THE INFORMATION IT CONTAINS	Size	Document Number  LA-9101P					Rev 0.4
MAT BE USED BY OR DISC	LUSED TO ANT THIRD PARTY WITHOUT	FRIOR WALL TEN CONSEN	I OF COMPAL ELECTAUNICS, INC.	Date:	Wednesday August 29 2012	Sheet	23	of	57	

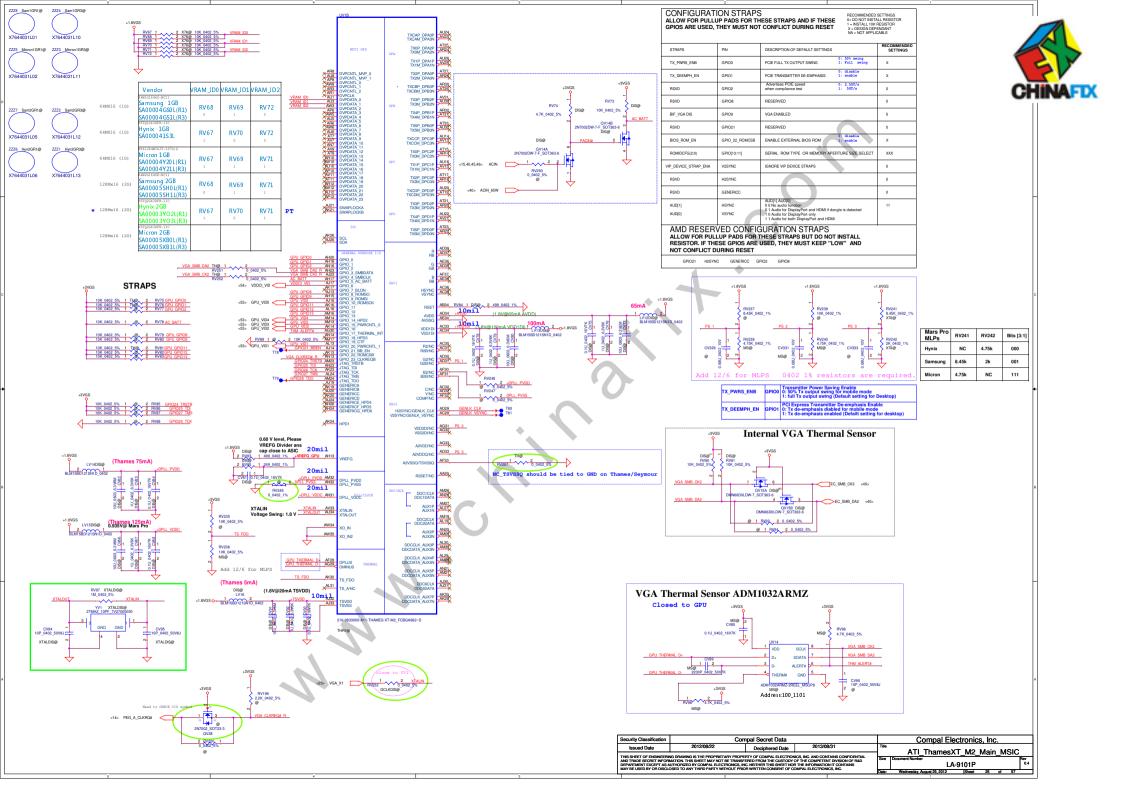


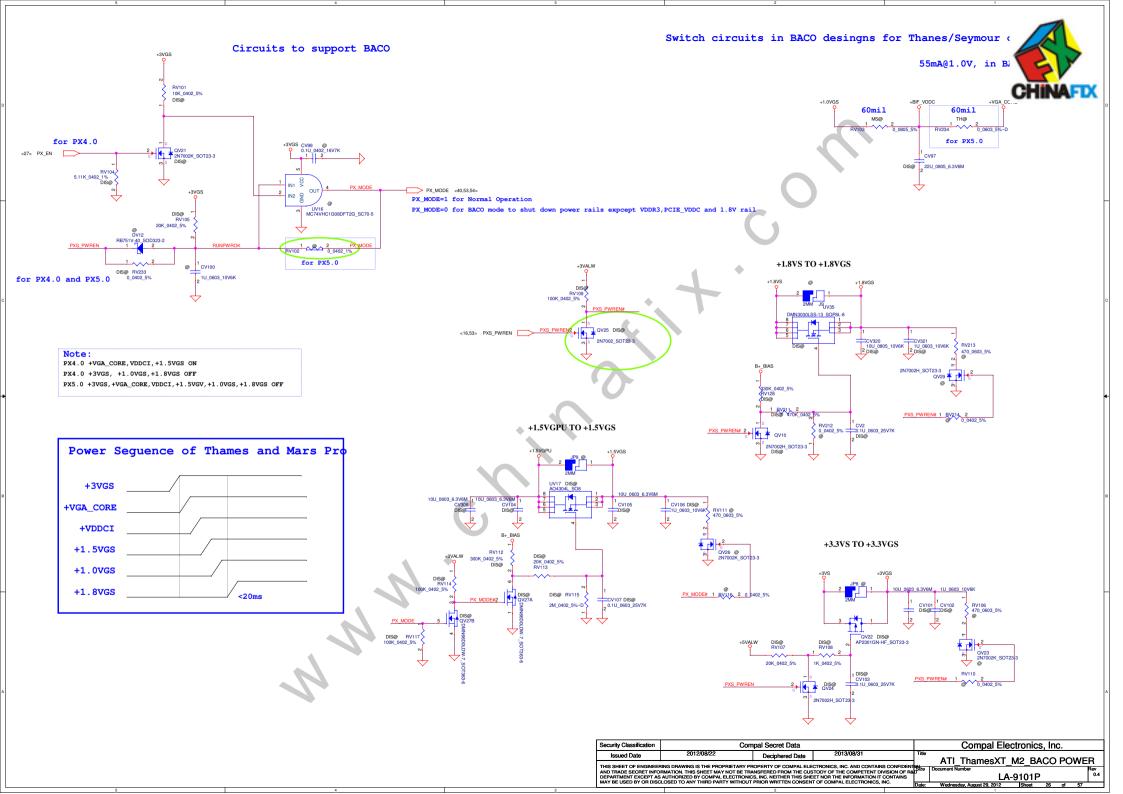
## GFX PCIE LANE REVERSAL

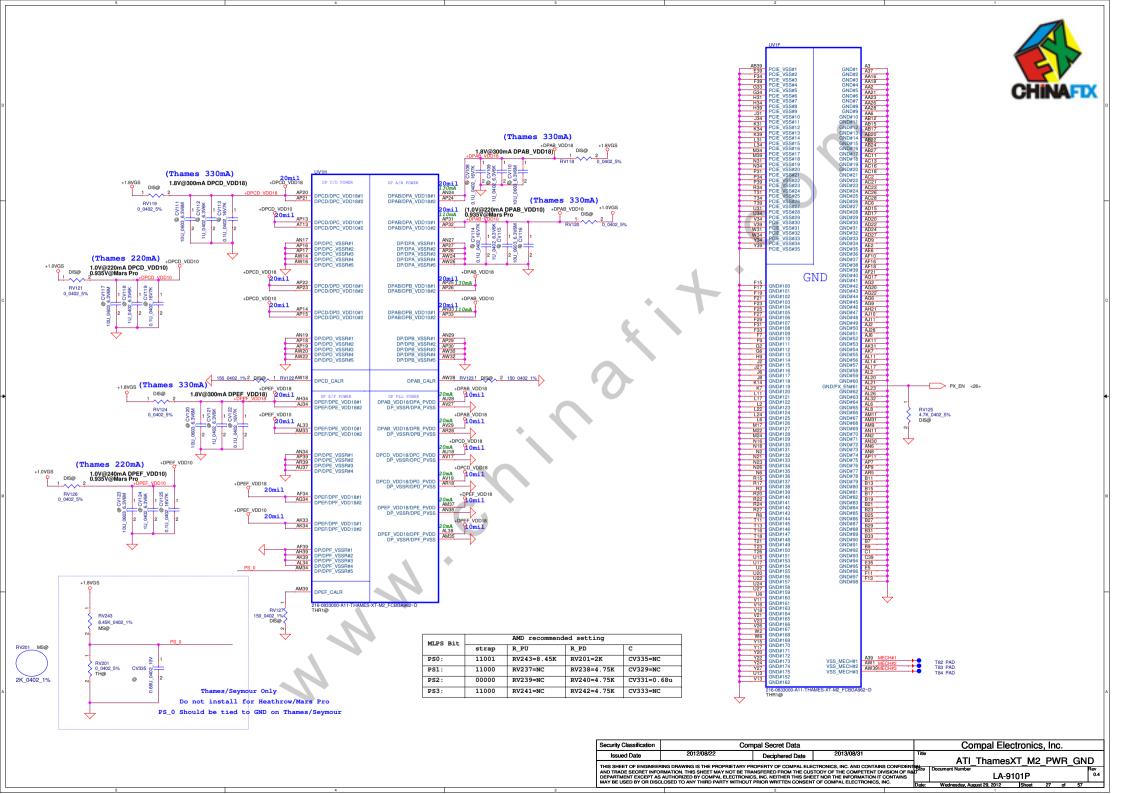


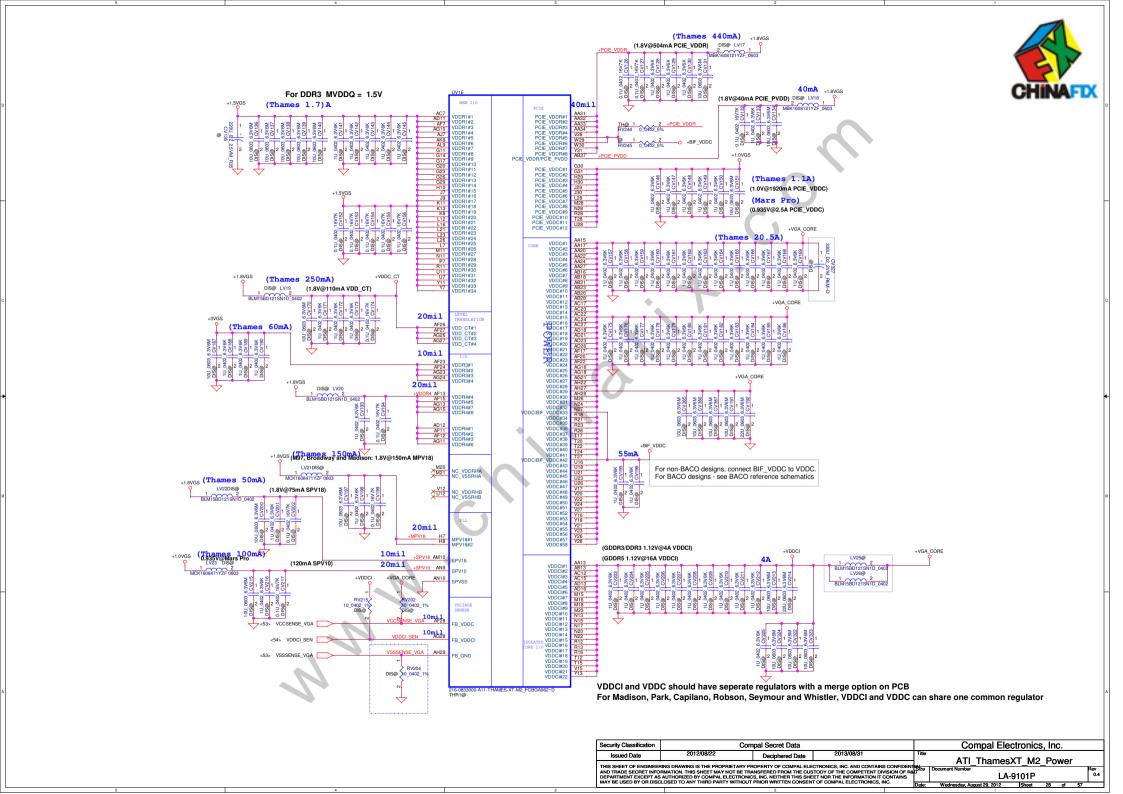
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDE AND TRADE SCIENT INFORMATION. THIS SHEET MAY NOT BE TRANSPERED FROM THE CUSTORY OF THE COMPETENT DIVISION DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OB ISCLOSED TO ANY THEIR DRATY WITHOUT PROF WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.

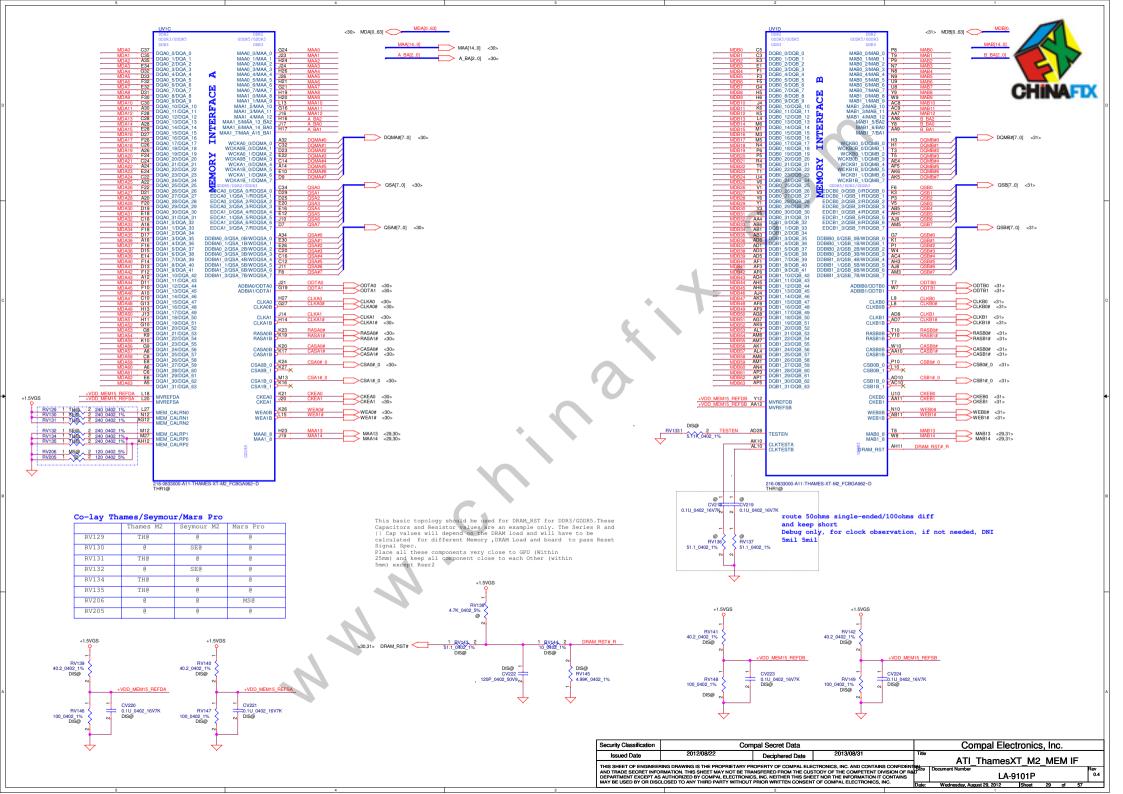
LA-9101P



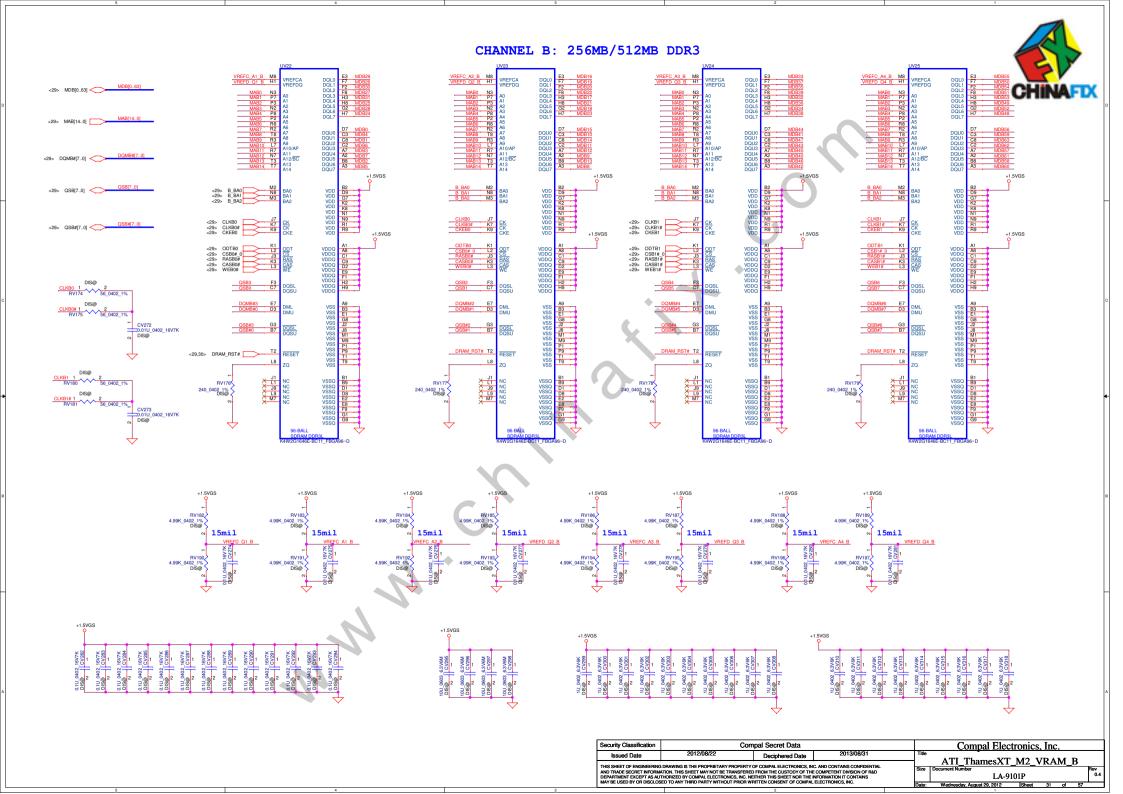


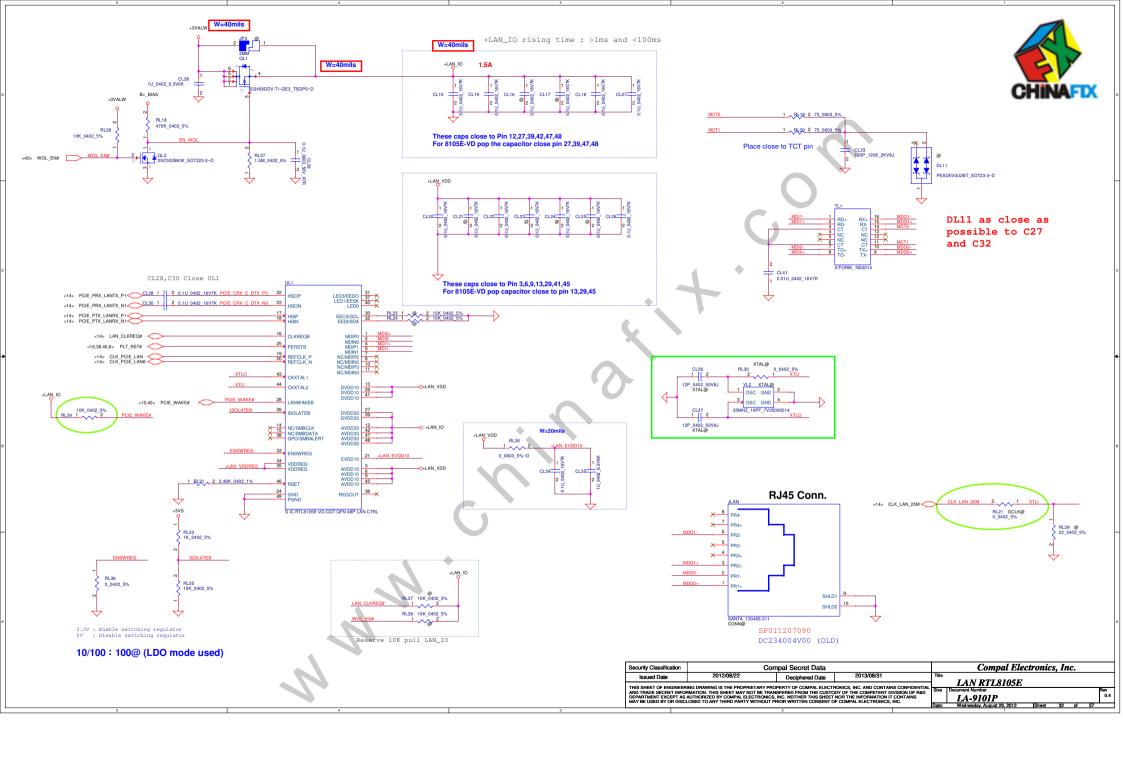


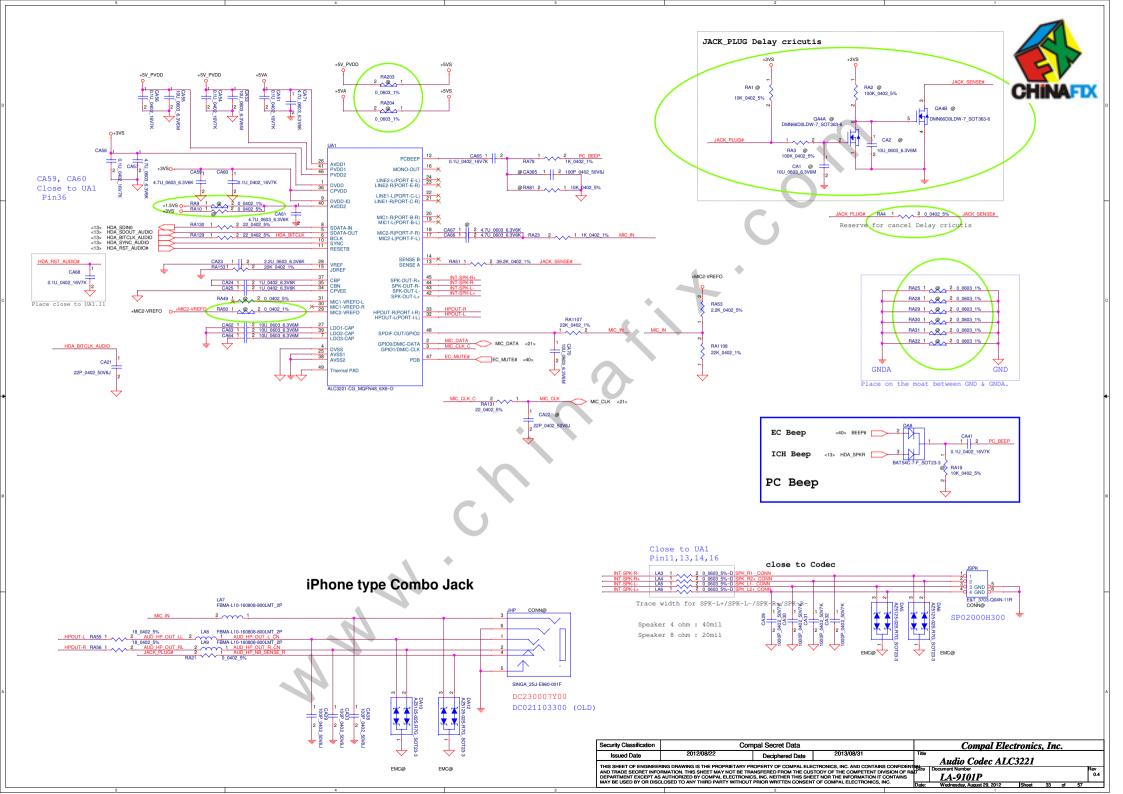




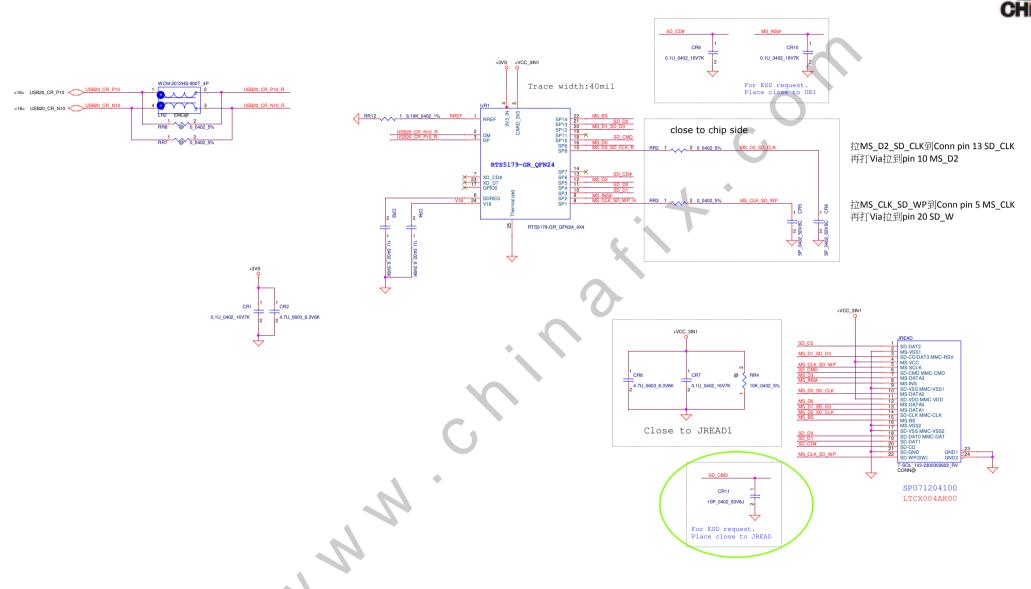
#### CHANNEL A: 256MB/512MB DDR3 DQLO DQL0 DQL1 DQL3 DQL4 DQL5 DQL6 DQL7 DQL0 DQL1 DQL3 DQL4 DQL5 DQL5 DQU0 DQU1 DQU2 DQU3 DQU4 DQU5 DQU6 DQU6 DQU0 DQU1 DQU2 DQU3 DQU4 DQU5 DQU6 DQU7 DQU0 DQU1 DQU2 DQU3 DQU4 DQU5 DQU6 DQU7 <29> MDA[0..63] DQU0 DQU1 DQU2 DQU3 DQU4 DQU5 DQU6 DQU7 <29> MAA[14..0] +1 5VGS +1 5VGS A\_BA0 A\_BA1 A\_BA2 VDD VDD VDD VDD VDD VDD VDD VDD VDD CLKA1 CLKA1# CKEA1 <29> <29> <29> +1.5VGS +1.5VGS +1.5VGS <29> <29> <29> <29> <29> ODTA0 CSA0#\_ RASA0# CASA0# WEA0# <29> <29> <29> <29> <29> ODTA1 CSA1#\_ RASA1# CASA1# WEA1# <29> QSA#[7..0] DRAM\_RST# T2 DRAM\_RST# T2 <29,31> DRAM\_RST# BESE1 RESET X L1 X J9 X L9 X M7 BV150 RV151 BV153 DIS@ CLKA0 1 2 56\_0402\_1% DIS@ CLKA0# 1 2 RV155 56 0402 1% CV225 =:0.01U\_0402\_16V7K DIS@ +1.5VGS +1.5VGS +1.5VGS +1.5VGS +1.5VGS +1.5VGS +1.5VGS BV157 BV156 RV150 RV160. BV161 BV162 4.99K\_0402\_1% DIS@ 4.99K\_0402\_1% DIS@ 4.99K\_0402\_1% DIS@ 4.99K\_0402\_1% DIS@ DIS@ 15mil 15mil 15mil 15mil 15mil 15mil 15mil CLKA1 1 2 56\_0402\_1% DIS@ ©SID CLKA1# 1 2 56 0402 1% 4.99K\_0402\_1% DIS@ 4.99K\_0402\_1% DIS@ 4 99K 0402 CV234 0.01U\_0402\_16V7K DIS@ DIS@N DIS@N DIS@<sup>©</sup> DIS@<sup>CV</sup> +1.5VGS +1.5VGS +1.5VGS 0.1U\_0402\_16V7K DIS@ CV241 0.1U\_0402\_16V7K DIS@ CV243 0.1U\_0402\_16V7K DIS@\_\_\_\_CV244 0.1U\_0402\_16V7K DIS@ CV239 0.1U\_0402\_16V7K DIS@ CV240 0.1U 0402 16V7K DIS@ CV23 10U\_0603\_6.3V6M DIS@\_\_\_\_CV249 N\_\_\_\_\_1 1U\_0402\_6.3V6K DIS@\_\_\_\_CV259 1U 0402 6.3V6K DIS@ CV257 1U 0402 6.3V6K DIS@ CV258 1U 0402 6.3V6K DIS@ CV260 1U\_0402\_6.3V6K DIS@ CV267 1U\_0402\_6.3V6K DIS@ CV268 1U\_0402\_6.3V6K DIS@ CV269 1U\_0402\_6.3V6K DIS@ CV270 10U 0603 6.3 V6M DIS@ CV248 10U\_0603\_6.3V6M DIS@\_\_\_CV250 10U\_0603\_6.3V6M DIS@ CV251 1U\_0402\_6.3V6K DIS@ CV256 1U\_0402\_6.3V6K DIS@\_\_\_\_CV266 1U 0402 6.3V6K DIS@ CV261 1U 0402 6.3V6K DIS@ CV263 1U 0402 6.3V6K DIS@ CV265 Security Classification Compal Electronics, Inc. Compal Secret Data Issued Date Deciphered Date ATI\_ThamesXT\_M2\_VRAM\_A THIS SHEET OF ENGINEERING DRAWNG IS THE PROPRIETANY PROPERTY OF COMPAL ELECTRONES, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET PROFRAINTS. IN SECRET MAY NOT BE TRANSFERRED FROM THE GUISTOTY OF THE COMPETTER TOROROO OF RAD DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, NO. NEITHER THIS SHEET NOT THE INFORMATION IT CONTAINS MAY BE USED BY ON BEGLOSED TO AN THERE PARTY WHITE OF PROFF WHITE THE ORISINS TO CONTAINS. LA-9101P



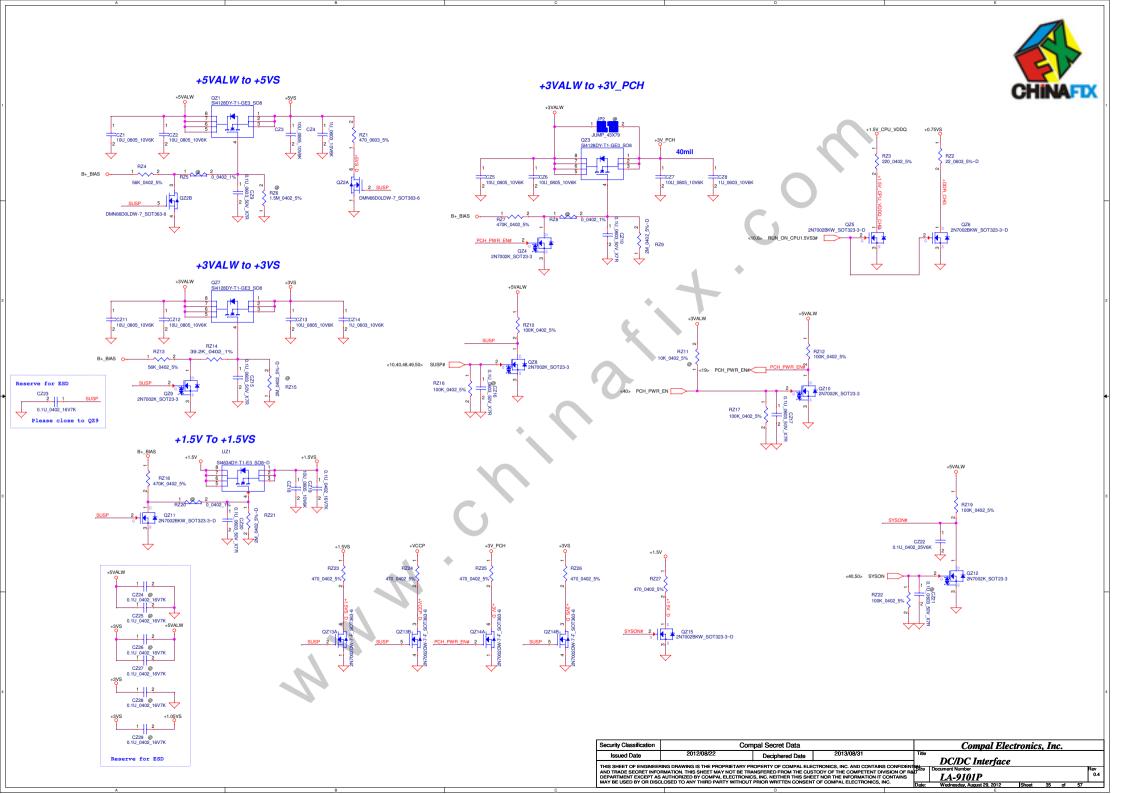








Security Classification	Com	pal Secret Data			Compal Electro	iics,	, In	c.		
Issued Date	2012/08/22	Deciphered Date	2013/08/31	Title	CI D I DTC512	^				
DEPARTMENT EXCEPT AS	AUTHORIZED BY COMPAL ELECTRONIC	S, INC. NEITHER THIS SHE	CTRONICS, INC. AND CONTAINS CONFIDENT TODY OF THE COMPETENT DIVISION OF RE ET NOR THE INFORMATION IT CONTAINS	Size	Card Reader RTS517 Document Number LA-9101P	<b>y</b>				Rev 0.4
MAY BE USED BY OR DISC	LOSED TO ANY THIRD PARTY WITHOUT	PHIOR WHITTEN CONSEN	I OF COMPAL ELECTHONICS, INC.	Date:	Wednesday August 29 2012 Sh	et	34	of	57	

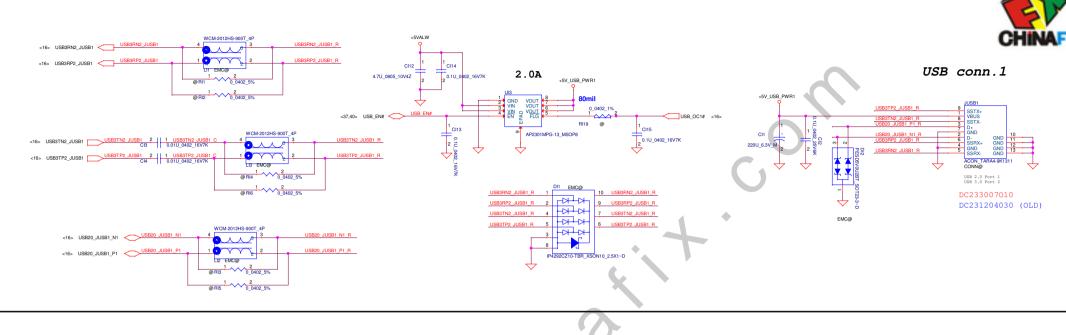


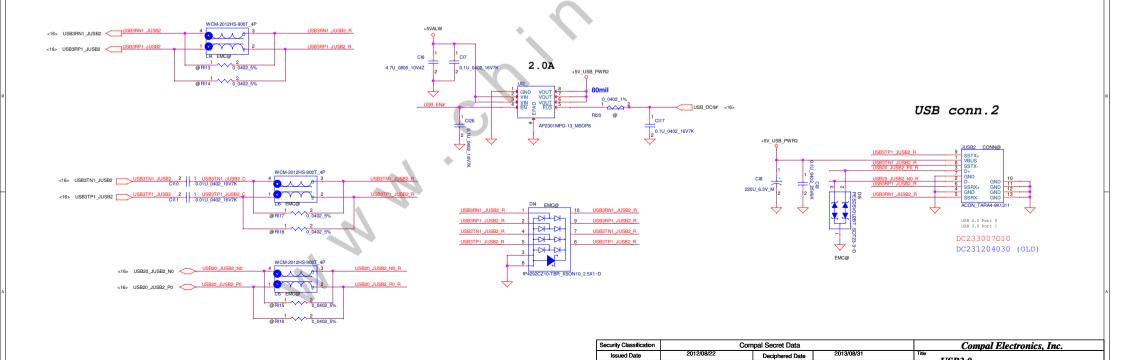


USB3.0

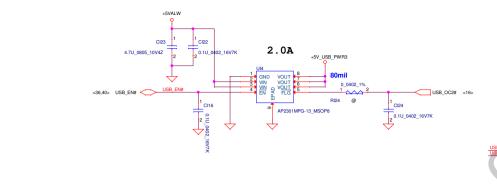
LA-9101P

THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPRETY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDE AND TRADE SCIENT INFORMATION. THIS SHEET MAY VOT BE TRANSPERED FROM THE CUSTORY OF THE COMPETENT DROWNED DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NETTHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PROP WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.



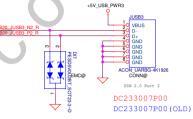


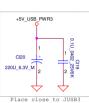


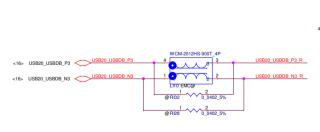




USB conn.3







<16> USB20\_JUSB3\_N2 USB20\_JUSB3\_N

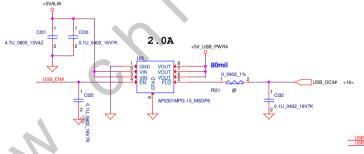
WCM-2012HS-900T\_4P

@Ri25 0\_0402\_5%

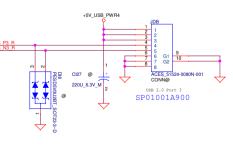
@Ri21 0\_0402\_5%

USB20\_JUSB3\_P2\_R

JSB20\_JUSB3\_N2\_R

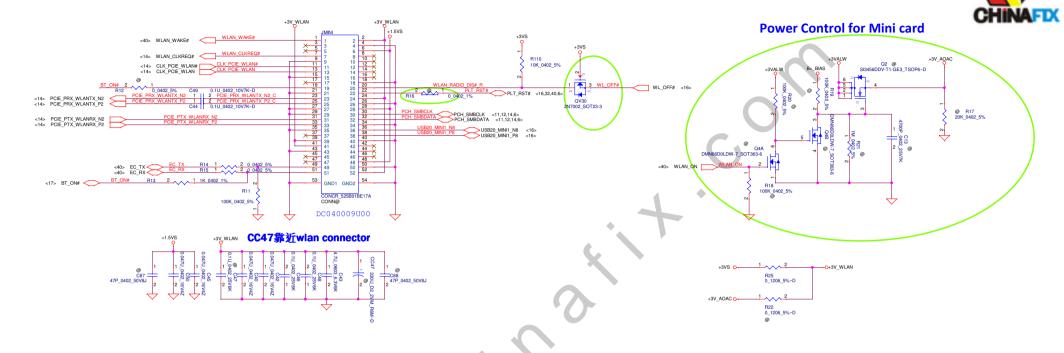


### USB conn.4



Security Classification	Com	pal Secret Data			Compal Electr	onics	, Inc	; <b>.</b>		
Issued Date	2012/08/22	Deciphered Date	2013/08/31	Title	MD 4. UCD1 A DD					
DEPARTMENT EXCEPT AS	HING DRAWING IS THE PROPRIETARY PR PRIMATION. THIS SHEET MAY NOT BE TRA S AUTHORIZED BY COMPAL ELECTRONIC LOSED TO ANY THIRD PARTY WITHOUT	Size	MB to USB2.0 DB Document Number LA-9101P					Rev 0.4		
MAT BE USED BY ON DISC	ALOSED TO ANT THIRD PARTY WITHOUT	Date:	Wednesday, August 29, 2012	Sheet	37	of	57			

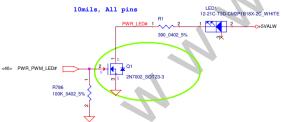
### Mini WLAN/WIMAX H=6.7



#### HDD LED



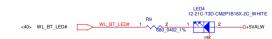
#### Power LED



#### Battery LED

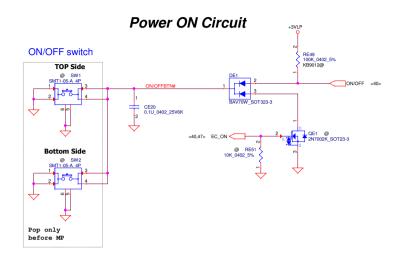


#### Wireless LED

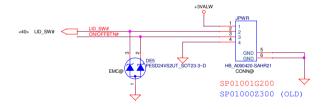


Security Classification		npal Secret Data	I 2013/08/31		Compal Elect	ronics	, In	c.		
Issued Date	2012/08/22	Title	Mini Card/LED							
DEPARTMENT EXCEPT AS	HING DRAWING IS THE PROPRIETARY PR RMATION. THIS SHEET MAY NOT BE TRA AUTHORIZED BY COMPAL ELECTRONIC LOSED TO ANY THIRD PARTY WITHOUT	BD 2e	Document Number  LA-9101P				Ī	Rev 0.4		
MAT BE USED BY OR DISC	LUSED TO ANY THIRD PARTY WITHOUT	PHICH WHITTEN CONSEN	IT OF COMPAL ELECTHONICS, INC.	Date:	Wednesday, August 29, 2012	Sheet	38	of	57	

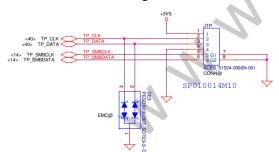


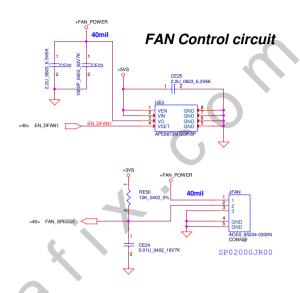


## POWER/B

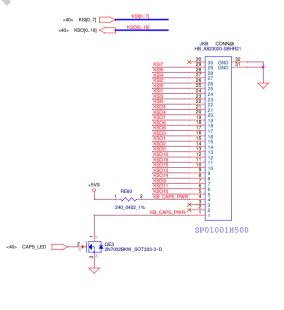


## Touch pad

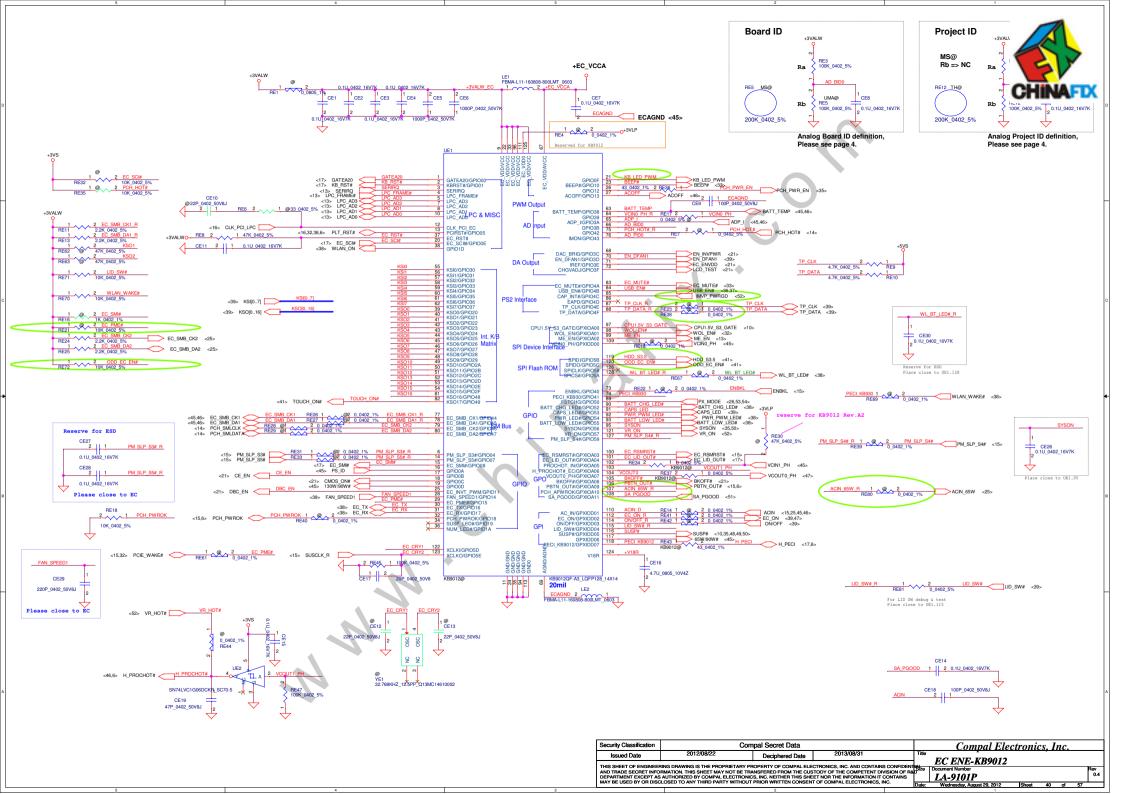


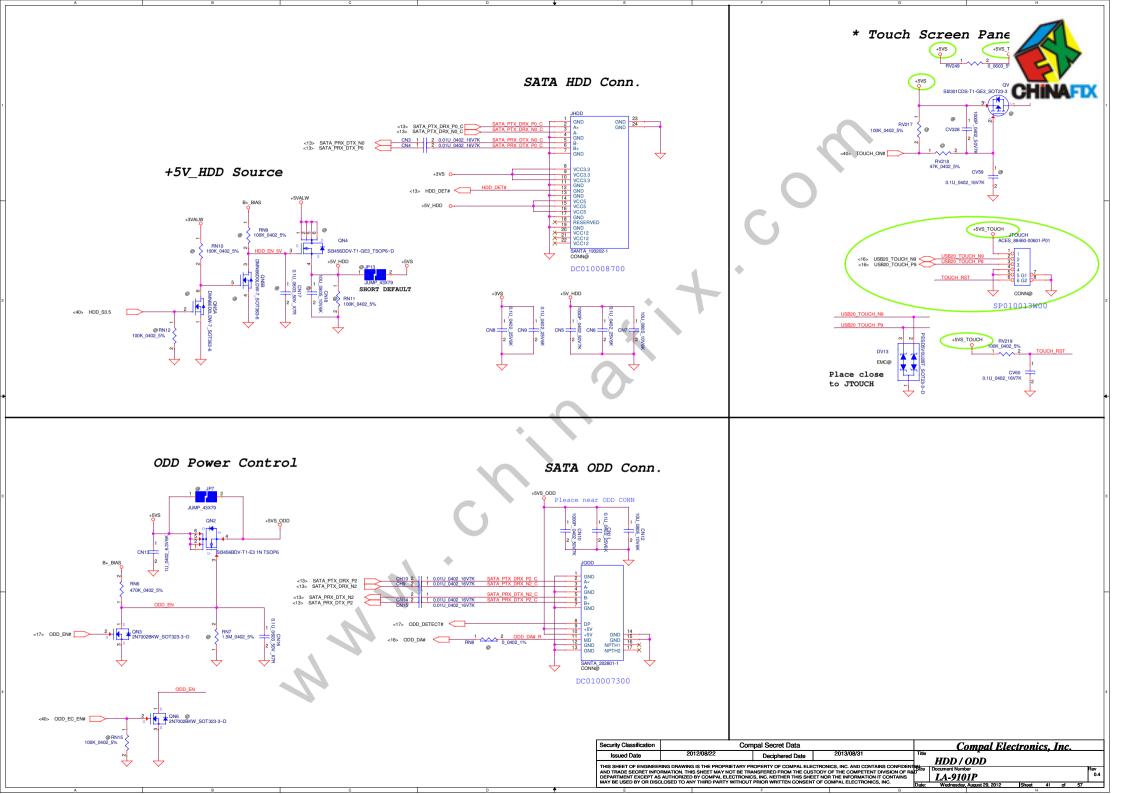


## INT\_KBD Conn.



Issued Date 201 THIS SHEET OF ENGINEERING DRAWING	12/08/22	Deciphered Date	Title	FAN/TP/KB/PWR SW			
THIS SHEET OF ENGINEERING DRAWING							
AND TRADE SECRET INFORMATION. THIS DEPARTMENT EXCEPT AS AUTHORIZED MAY BE USED BY OR DISCLOSED TO ANY	S SHEET MAY NOT BE TRANS BY COMPAL ELECTRONICS, I	NTIAL R&D	Document Number  LA-9101P	F	Rev 0.4		







## Screw Hole

Security Classification	Cor	npal Secret Data			Compal Electronics, Inc	
Issued Date	2012/08/22	Deciphered Date	2013/08/31	Title	Comer, Hala	
THIS SHEET OF ENGINEER	RING DRAWING IS THE PROPRIETARY P	ROPERTY OF COMPAL ELE	CTRONICS, INC. AND CONTAINS CONFIDEN STODY OF THE COMPETENT DIVISION OF RE	Size	Screw Hole Document Number	Rev
DEPARTMENT EXCEPT AS		CS, INC. NEITHER THIS SHE	ET NOR THE INFORMATION IT CONTAINS	<u></u>	LA-9101P	0.4

## Version Change List (P. I. R. List)

	Versio	on Change List (P. I. R. List) Pa	ge 1	
!	Request Owner	Issue Description	Solution Description	Rev.
27	HW	The Card reader USB signal is incorrect.	SWAP UR1 USB signal P/N	0.2
03	SED	Keyboard pin define change.	Follow new SPEC.SWAP JKB pin define.	0.2
04	Function team	Change USB port assignment for function team request	USB port change detail please reference Page.16 descrption.	0.2
0.5	HW	Delete reserve BACO circuit	Delete UV15,QV16,QV17,QV18,QV19,QV20,RV99,RV100,RV249,CV96,CV98	0.2



Item	Page#	Title	Date	Request Owner	Issue Description	Solution Description	Rev.
1	34	Card Reader	2012/04/27	HW	The Card reader USB signal is incorrect.	SWAP UR1 USB signal P/N	0.2
2	40	Keyboard	2012/05/03	SED	Keyboard pin define change.	Follow new SPEC.SWAP JKB pin define.	0.2
3	16,21,34, 36,37,38	USB	2012/05/04	Function team	Change USB port assignment for function team request	USB port change detail please reference Page.16 descrption.	0.2
4	26	VGA	2012/05/05	HW	Delete reserve BACO circuit	Delete UV15,QV16,QV17,QV18,QV19,QV20,RV99,RV100,RV249,CV96,CV98	0.2
5	42	DC/DC	2012/05/07	HW	Design change	UN-POP RZ11, POP RZ17	0.2
6	33	Audio codec	2012/05/09	ESD	ESD team ask solution	Add RA29,RA30,RA31,RA32 and place on the moat between GND & GNDA	0.2
7	6,17	PCH	2012/05/09	ESD	ESD team ask reserve solution	Add CC151,CH102 for reserve	0.2
8	32	LAN	2012/05/10	HW	Remove China Go-rural for DELL request	Remove DL7, DL8, DL9	0.2
9	16,38	USB	2012/05/10	HW	Remove JUSB3 USB3.0	Delete LI8,LI9,DI6 and change JUSB3 to USB2.0 type	0.2
10	32	Crystal	2012/05/15	HW	Crystal vendor suggestion	Change CL36,CL37 from 33p/0402 to 12p/0402	0.2
11	21,39	LVDS	2012/05/17	SED	Add FHD Panel CE_ENABLE, DBC_ENABLE function from SED request	Add CE_EN, DBC_EN control pin to EC	0.2
12	21	LVDS	2012/05/22	SED	Follow SED team request disable CE_EN function	Change RV62 to DE-POP and RV100 to POP for disable CE_EN function	0.2
13	33	Audio codec	2012/05/23	CODEC	Follow CODEC vendor suggestion	Add AUDIO JACK PLUG delay circuit, Spearate NET JACK_PLUG to => JACK_SENSE# & => JACK_PLUG#	0.2
14	16,21	Touch Screen	2012/05/29	HW	Add touch screen function	Add RV217, RV218, RV219, RV249, CV59, CV60, CV328, DV13, QV16, JTOUCH	0.2
15	39	Board ID	2012/05/30	HW	Board ID change for PT	Change RE5 from 8.2k_0402(SD028820180) to 33k_0402(SD028330280)	0.2
16	21,39	Touch Screen	2012/05/30	HW	Add touch screen function power control	Add NET "TOUCH_ON#" from JTOUCH to UE1.82(KB9012) for TOUCH SCREEN PANEL power control	0.2
17	33	Audio codec	2012/05/30	HW	Follow RealTek suggestion remove, delete reserve MUTE circuit	Delete D1,QA1,QA2,QA3,RA24,RA26,RA60,RA62,RA68,RA109,CA72,CA73	0.2
18	15,16, 39,41	ESD	2012/05/30	ESD	ESD ask CAP for reserve	Reserve 0.1u/0402 CH104,C223,CH105,CE27,CE28	0.2
19	14	Green CLK	2012/05/30	HW	For Green CLK test	Change RH31,RH41,RV232 Oohm form "GCLK@" to "@" for break the clock signal to device	0.2
20	10,26,41	DC/DC	2012/05/31	HW	Change "+1.5V_CPU_VDDQ", "+1.5VS", "+1.5VGS" derating	Change RC150 330K/0402 to 2M/0402, RC151 100K/0402 to 470K/0402, R218 100K/0402 to 470K/0402, RV115 0/0402 to 2M/0402	0.2
21	41	DC/DC	2012/05/31	HW	For power sequence trunning	Change RZ15 to DE-POP	0.2
22	06,15,16, 39,41	ESD	2012/05/31	ESD	Follow ESD team request	Change 0.1u/0402 from "@" to POP	0.2
23	32	Green CLK	2012/06/15	HW	Change for Green CLK bom control	Change RL21,RL30 from "@" to "GCLK@"	0.2
24	41	DC/DC	2012/06/15	HW	For WLAN card power sequence issue	Change RZ4,RZ13 from 470K/0402 56K/0402	0.2
25	35,41	Schematic page modify	2012/06/18	HW	Schematic page modify for easily maintain.	Swap Page. 35 & Page 41.	0.2
26	41	ODD	2012/06/18	HW	Change component location for easily maintain.	Move RH42,RH43 from Page.13 to Page.41.	0.2
27	39	FAN	2012/06/29	HW	Fan speed noise issue	Reserve 220p/0402 CE24	0.3
28	6	CPU	2012/06/29	ESD	System boot-up shot down issue.	Change CC151 from POP to "@"	0.3
29	21,35, 39,40,41	Circuit adjuest	2012/07/01	HW	Circuit & page adjust for OAK 15" & OAK 17"	1. Swap P.35 & P.41and move touch screen circuit from P.21 to P.41. 2. Swap P.39 & P.40 page no	0.3
30	40	LID SW	2012/07/01	HW	LID SW need a trace for debug and switch.	Add RE81 for LID SW.	0.3
31	25	GPU	2012/07/01	HW	Follow AMD request, MarsPro will used MPLs.	Change RV75,RV76,RV81 from "DIS@" to "TH@"	0.3
32	29	GPU	2012/07/01	HW	Follow AMD request, MEM_CALRP2 is not need for Mars ASIC now.	Change RV205 from "MS@" to "@"	0.3
33	38	MINI card	2012/07/03	HW	Power Control for Mini card didn't need	Change R17 to "@"	0.3
34	6	XDP	2012/07/06	HW	S3 return hang issue	Change RC89 from "@" to POP	0.3
35	23	GREEN CLK	2012/07/09	HW	Follow Green CLK FAE suggestion	1. Change UG1.2(+3VLP) & UG1.8(+3VALW) connect to +LAN_IO 2. Add R787 connect from +RTCBATT to C5.2 & UG1.10 3. Change C14 from 0.1u to 5p/0402 4. Change C8 connect from +3V_AUM to +LAN_IO	0.3
36	35	MOAT	2012/07/09	ESD	For ESD request reserve CAP.	5. Add R788 Oohm/0402 from +RTCVCC to UG1 for GCLK & DH1 select  Reserve those CAP for ESD MOAT.	0.3
37	18	LVDS	2012/07/10	HW	Change RES and reserve CAP for LVDS issue	Change RH185 from Oohm-short to Oohm/0805, and reserve CH106 1U/0402	0.3
37	41	Connector	2012/07/10	ME ME	Change RES and reserve CAP for LVDS issue  For ME request	Change RHISS from John-Short to Johns/USUS, and reserve CHIU6 10/0402  Change JBTB1 footprint from SP02000G800 (OLD) to SP02000MJ00	0.3
			2012/07/10	ESD		Add RH44,RH48,RH70 & NET PCH JTAG TMS R, PCH JTAG TDI R,	
39	13	PCH			Follow ESD team request	PCH_JTAG_TDO_R for break signal trace  1. Change NET NAME "N59110727" to "WL_BT_LED#_R"	0.3
40	40	PCH	2012/07/11	ESD	Follow ESD team request	2. Reserve 0.1u/0402 on "WL_BT_LED#_R" for ESD	0.3
41	21	LVDS	2012/07/11	HW	Reserve for CE function for LVDS connector	Change CE_EN_R from dummy to JLVDS.18	0.3
					Securi	ity Classification Compal Secret Data	

Security Classification		pal Secret Data			Compal Elec	troni	cs. 1	nc.		
Issued Date	2012/08/22	Deciphered Date	2013/08/31	Title	HW-PIR		•			
AND TRADE SECRET INFO DEPARTMENT EXCEPT AS	HING DRAWING IS THE PROPRIETARY PR RMATION. THIS SHEET MAY NOT BE TRA AUTHORIZED BY COMPAL ELECTRONIC LOSED TO ANY THIRD PARTY WITHOUT	Size	Document Number  LA-9101P				_	Rev 0.4		
MAT BE USED BY ON DISC	LOSED TO ANT THIRD PARTY WITHOUT	PRIOR WAITTEN CONSEN	TOF COMPAL ELECTRONICS, INC.	Date:	Wednesday, August 29, 2012	Sheet	43	of	57	

Version Change List	(P. I. R. List)
---------------------	-----------------

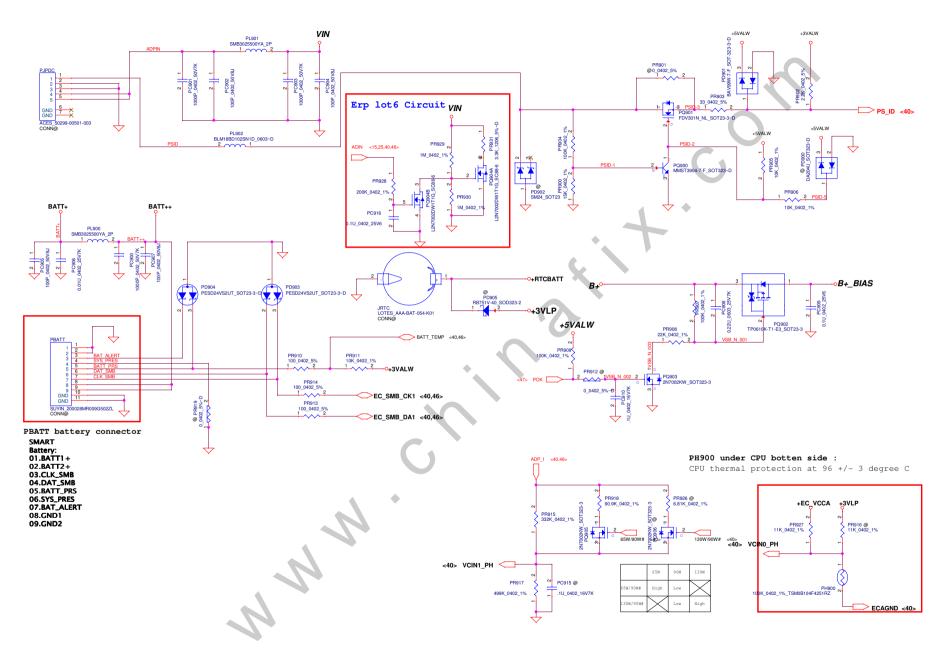
Page 2

	Request   Request								
Item	Page#	Title	Date	Request Owner	Issue Description	Solution Description	Rev.		
40	32	Connector	2012/07/12	ME	For ME request	Change JLAN CPN from "DC234004V00" to "SP011207090"	0.3		
41	40	FAN	2012/07/16	HW	For FAN_SPEED1 noise issue	Change CE29 from "@" to POP	0.3		
42	14	Touch PAD	2012/07/17	SED	Change Touch PAD SMBUS port for SMBUS issue	Change Touch PAD SMBUS port for SMBO to SMB	0.4		
43	32	GREEN CLK	2012/07/19	HW	Follow Silego FAE request	Change RL21 from 510 ohm to 0 ohm/0402	0.4		
44	41	Touch Screen	2012/08/07	SED	Follow SED team request change JTOUCH USB signal conatct.	Change JTOUCH Pin define.	0.4		
45	34	Card Reader	2012/08/14	ESD	Follow ESD team request	Reserve CR11 100p/0402 close to JREAD	0.4		
46	23	GREEN CLK	2012/08/16	HW	Fixed GCLK output abnormal issue	Change UG1.2(UG1/VDD) from +LAN_IO to+3VALW	0.4		
47	33	CODEC	2012/08/16	HW	The issue already fixed by new CODEC.	Remove delay circuit and POP RA4	0.4		
48	23	GREEN CLK	2012/08/17	HW	For RTC discharge issue	De-pop R788	0.4		
49	32,34	LAN	2012/08/17	HW	For LAN Chip abnormal leakage issue	Pop RL34 and de-pop RE21	0.4		
50	34	Card Reader	2012/08/20	ESD	Follow ESD team request	Change CR11 from 100p/0402 to 10p/0402 and POP	0.4		
51	41	Touch Screen	2012/08/20	SED	Follow SED team request	Change Touch screen power rail for +3VS to +5VS	0.4		
52	38	LED	2012/08/20	HW	Change LED light	Change LED1, LED2, LED4 CPN from SC500006000 to SC50000DC00	0.4		
53	38	WLAN	2012/08/20	HW	Remove AOAC function power control	Change R18,R19,R20,R21,C13,Q2,Q4 component BOM structure to "@"	0.4		
54	41	Touch Screen	2012/08/20	HW	Add EC control for Touch Screen function	Add RN15 & QN6 and relative circuit connect	0.4		

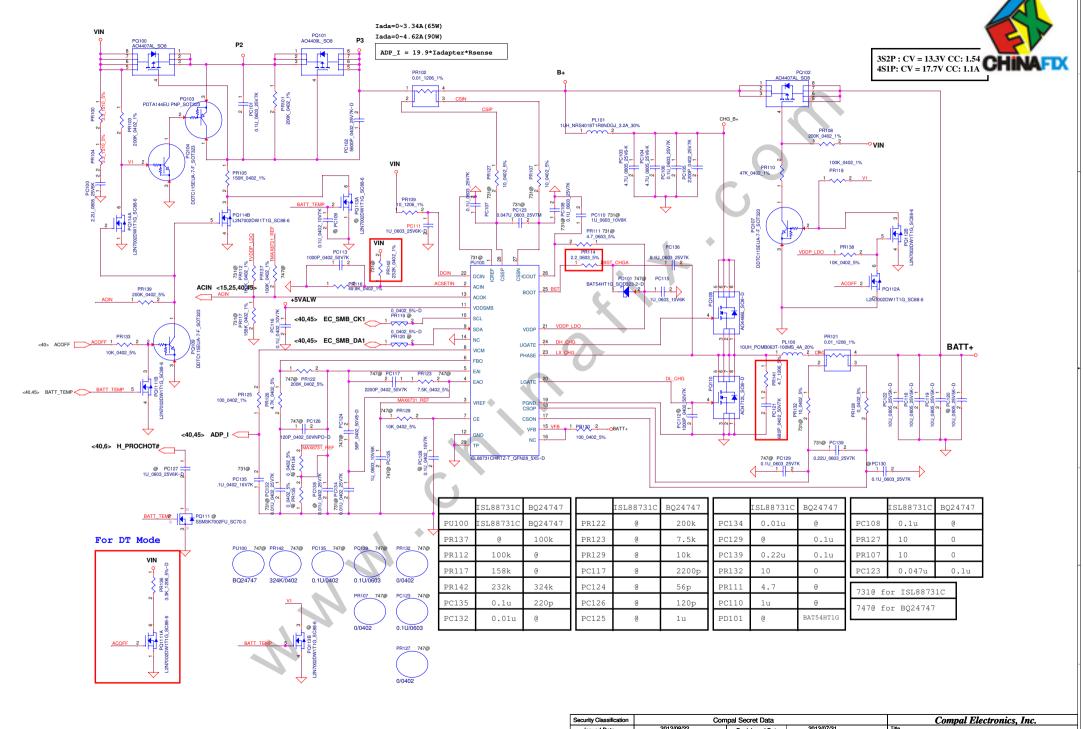


'										
Security Classification	Co	mpal Secret Data			Compal Ele	ctroni	cs. I	Inc.		
Issued Date	2012/08/22	Deciphered Date	2013/08/31	Title	HW-PIR					
AND TRADE SECRET INFO	RING DRAWING IS THE PROPRIETARY RMATION. THIS SHEET MAY NOT BE T AUTHORIZED BY COMPAL ELECTRON	Size	Document Number I.A-9101P					Rev 0.4		
	LOSED TO ANY THIRD PARTY WITHOU		Date:	Wednesday August 29 2012	Sheet	-44	of	57	$\dashv$	



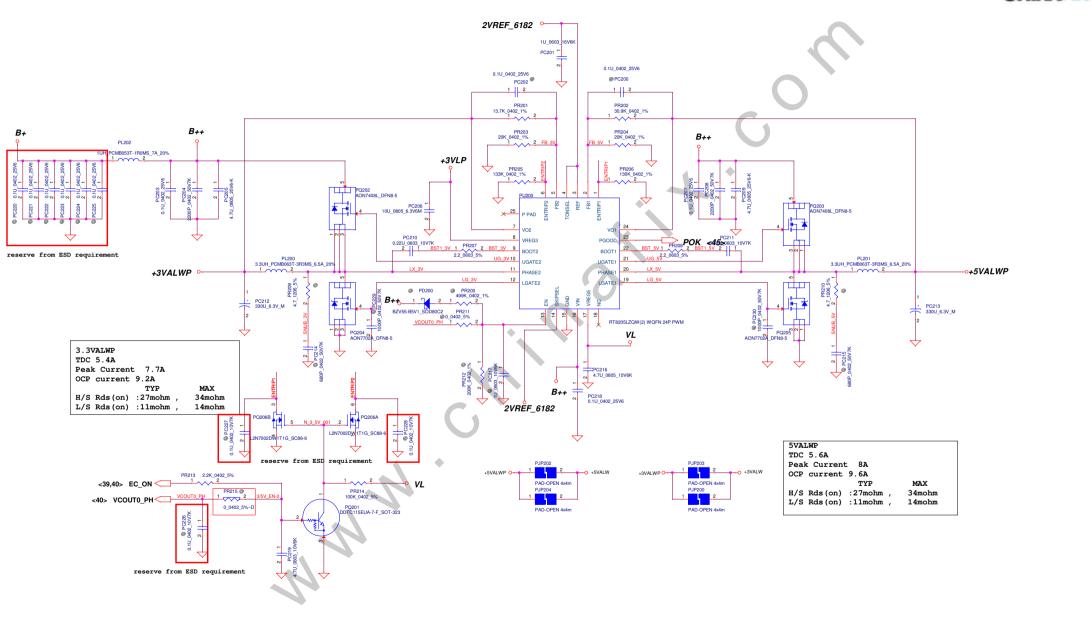


Security Classification	Com	pal Secret Data			Compal Electronics, Inc.	
Issued Date	2012/08/22	Deciphered Date	2013/07/31	Title	DIVID DOLLARD CONTROL	
THIS SHEET OF ENGINEER	RING DRAWING IS THE PROPRIETARY PER	Size	PWR_DCIN/BATT CONN/OTP Document Number	Rev		
DEPARTMENT EXCEPT AS		S, INC. NEITHER THIS SHE	ET NOR THE INFORMATION IT CONTAINS	Ľ	LA-9101P	0.4



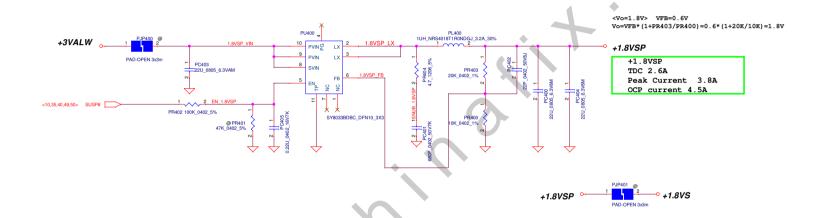
Security Classification	Compal Secret Data				C	ompal Elect	ronics	, Inc	c.		
Issued Date	2012/08/22	Deciphered Date	2013/07/31	Title		CHARGER					
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENT AND TRADE SECRET INFORMATION, THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF RAW OF THE COMPACT OF T					LA-91	01P				f	Rev 0.
MAT BE OSED BT ON DIS	CLOSED TO ANT THIRD PARTY WITHOUT	PRIOR WAITTEN CONSEN	TOF COMPALELECTHONICS, INC.	Date:	Wednesday,	August 29, 2012	Sheet	46	of	57	





Security Classification						Compal Elec	tronic:	s, In	c.		
Issued Date	2012/08/22	Deciphered Date	2013/07/31		Title	DU/D 2 2U/AT U/D	/E374 T	11/D			
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENT PROPERTY OF COMPALE LECTRONICS, INC. AND CONTAINS CONFIDENT OF COMPACT PROPERTY OF COMPACT PR									F	Rev 0.4	
MAY BE USED BY OR DISC	LOSED TO ANY THIRD PARTY WITHOUT	PHIOR WHITTEN CONSEN	IT OF COMPAL ELECTRONICS, IN	#C. [	ate:	Wednesday, August 29, 2012	Sheet	47	of	57	



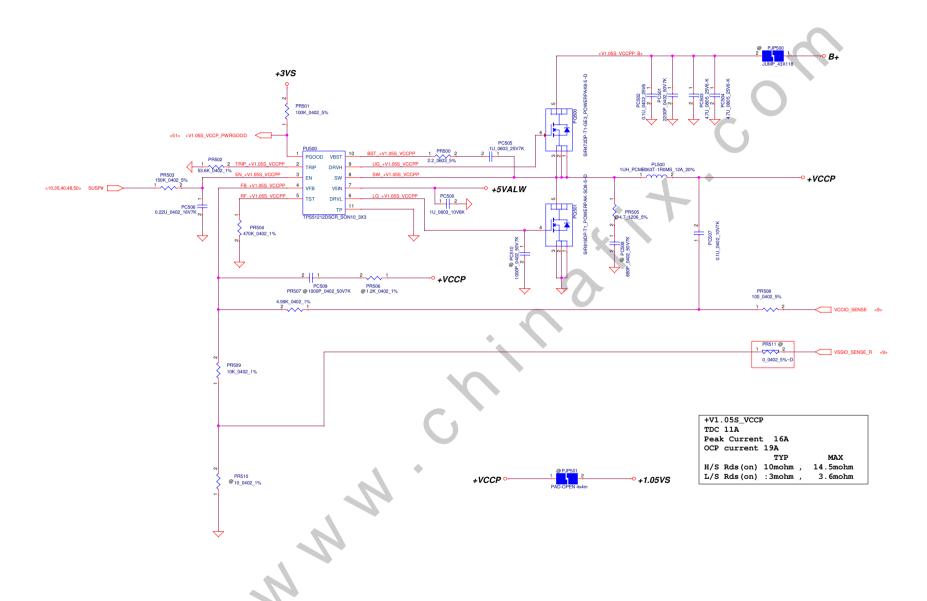


Security Classification Compal Secret Data Compal Electronics, Inc.

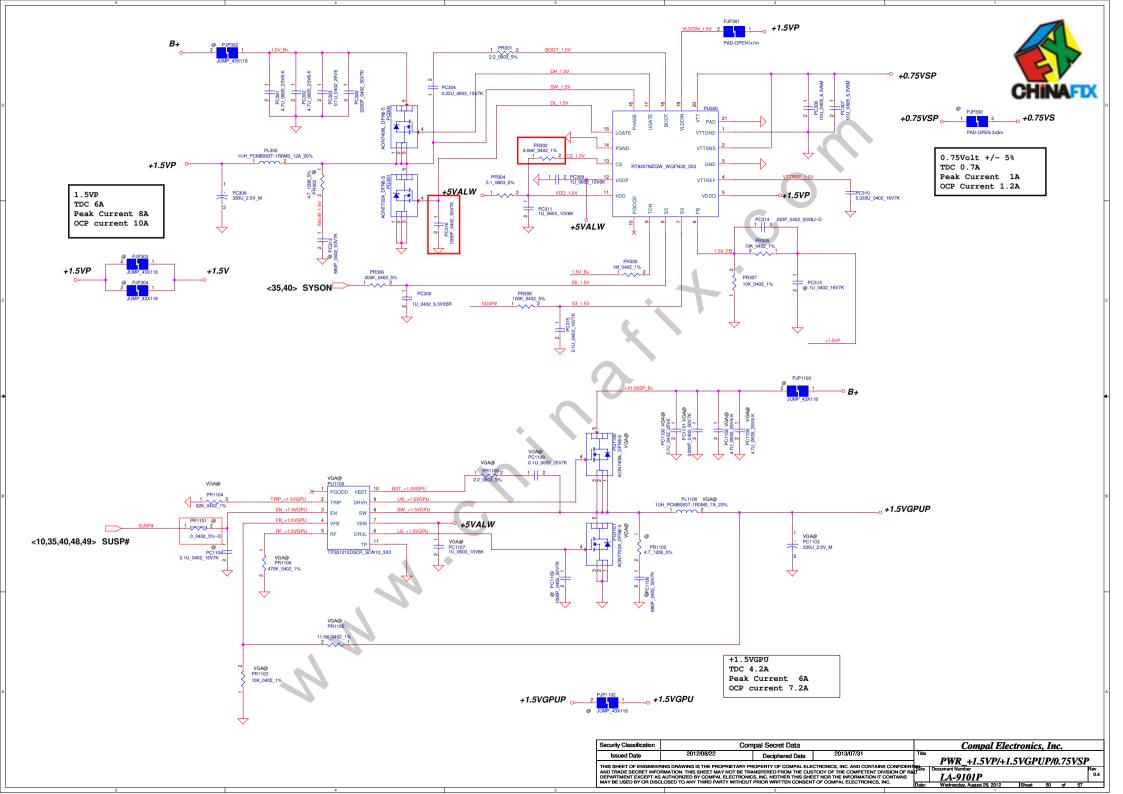
Issued Date 2012/08/22 Deciphered Date 2013/07/31 Title

THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETTARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTRAINS CONFIDENCE
AND TRADE SCREET INFORMATION. THIS SHEET MAY BY DISTRICT SHEET MAY BY LOST ON OF THE COMPRETENT DIVISION OF RAD TO CONTRAIN SCHOOL OF RAD TO





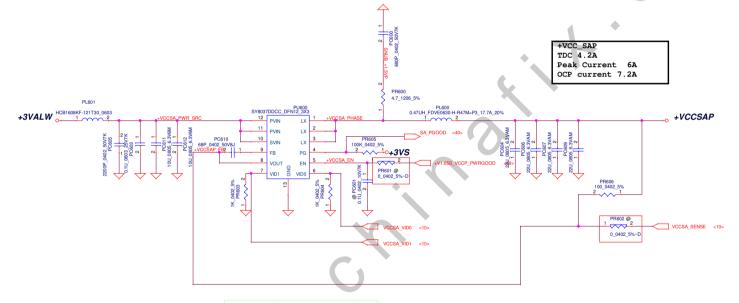
Security Classification	Com	pal Secret Data			Compal Electro	nics,	In	c.		
Issued Date	2012/08/22	Deciphered Date	2013/07/31	Title	DWD - VCCIO					
DEPARTMENT EXCEPT AS	RMATION. THIS SHEET MAY NOT BE TRA	INSFERED FROM THE CUS IS, INC. NEITHER THIS SHE	CTRONICS, INC. AND CONTAINS CONFIDENT STODY OF THE COMPETENT DIVISION OF RE EET NOR THE INFORMATION IT CONTAINS	Size D	PWR_+VCCIO Document Number LA-9101P					Rev 0.4
MAT BE USED BY OR DISC	LUSED TO ANY THIRD PARTY WITHOUT	PHICH WHITTEN CONSEN	I OF COMPAL ELECTHONICS, INC.	Date:	Wednesday, August 29, 2012 Sh	eet	49	of	57	



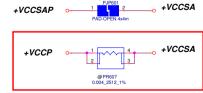




output voltage adjustable network

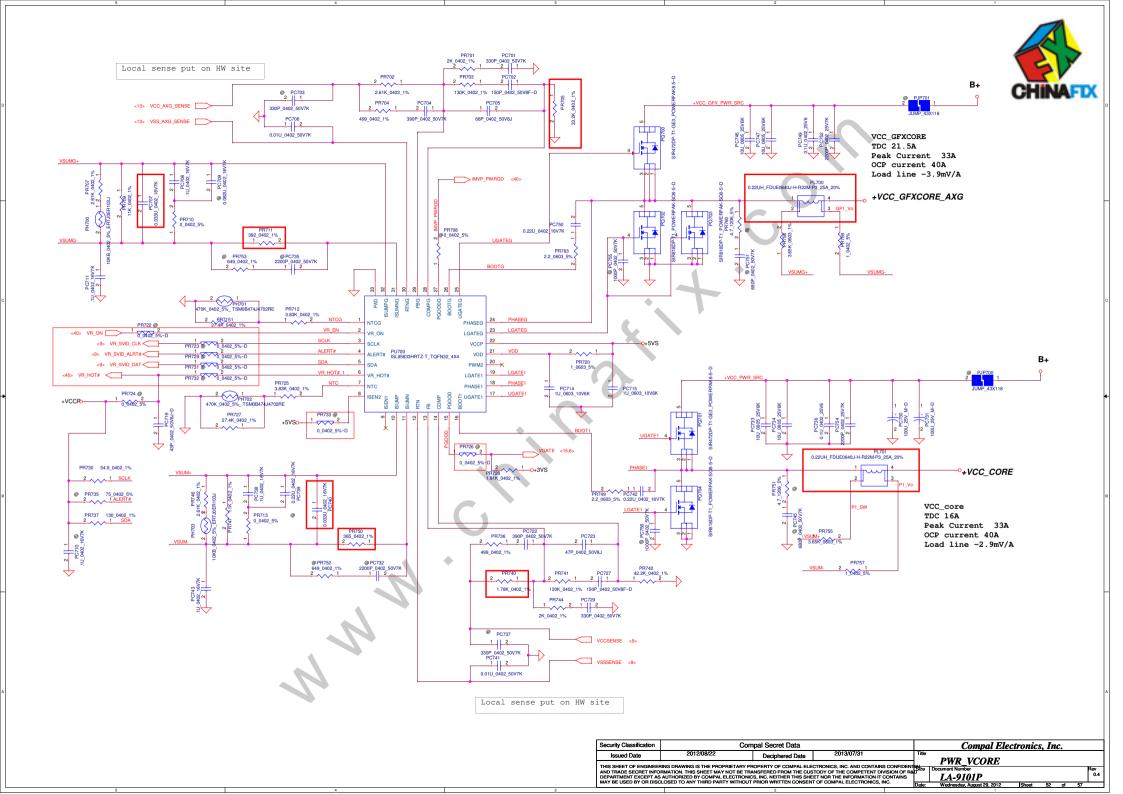


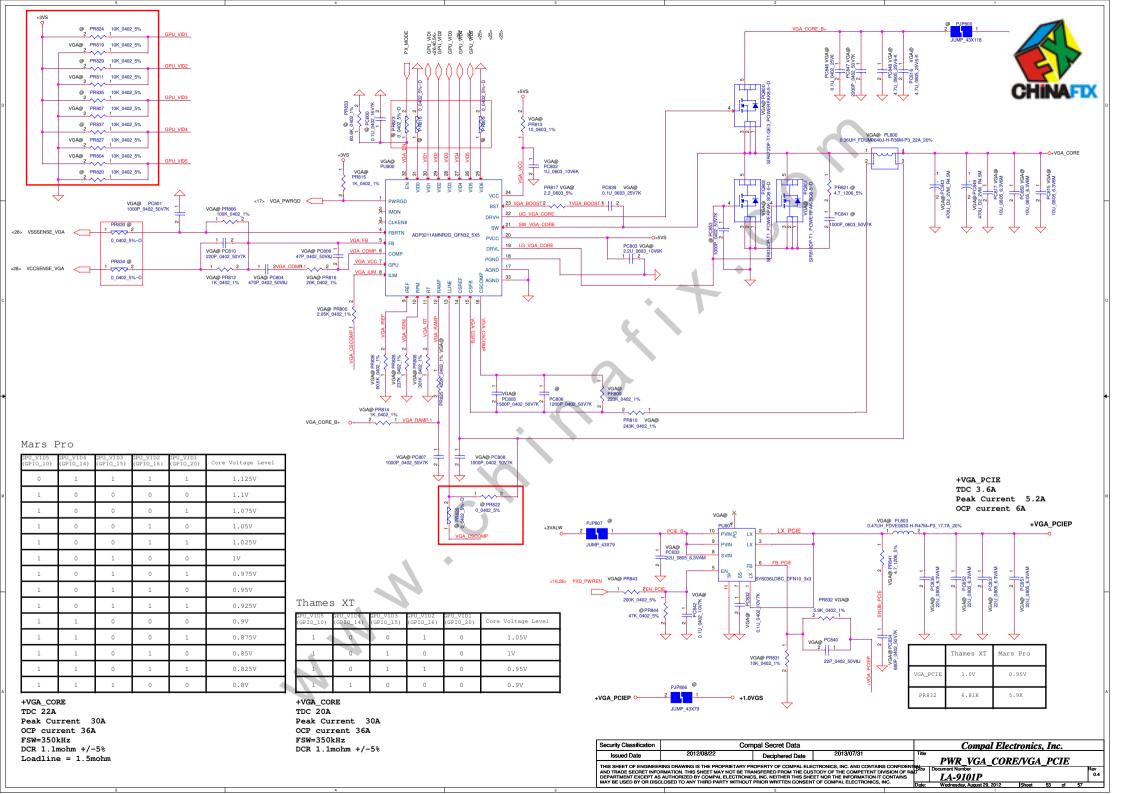
The 1k PD on the VCCSA VIDs are empty. These should be stuffed to ensure that VCCSA VID is 00 prior to VCCIO stability.



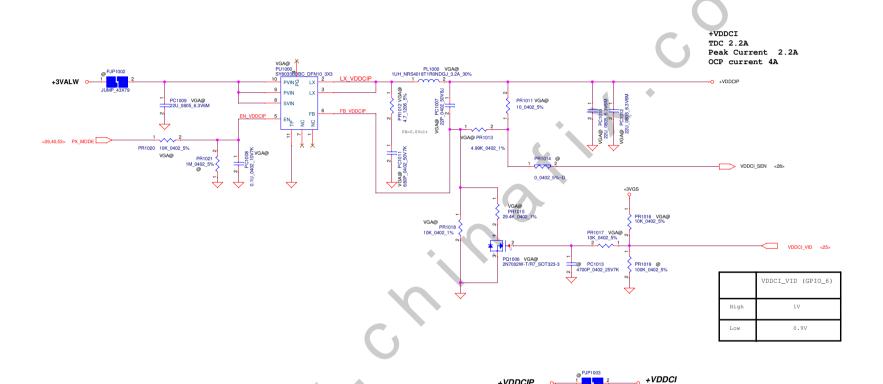
reserve for Pentium and Celeron only

Security Classification   Compal Secret Data						Compal Elec	<u>tronics</u>	i, In	c		
Issued Date	2012/08/22	Deciphered Date	2013/07/31		Title	DIVID LICCOLAD					
AND TRADE SECRET INFOI DEPARTMENT EXCEPT AS	ING DRAWING IS THE PROPRIETARY PR RMATION. THIS SHEET MAY NOT BE TRA AUTHORIZED BY COMPAL ELECTRONIC	INSFERED FROM THE CUS IS, INC. NEITHER THIS SHE	STODY OF THE COMPETENT DIV EET NOR THE INFORMATION IT (	VISION OF R&I CONTAINS	Size	PWR_+VCCSAP Document Number LA-9101P					Rev 0.4
MAY BE USED BY OR DISC	LOSED TO ANY THIRD PARTY WITHOUT	PRIOR WRITTEN CONSEN	T OF COMPAL ELECTRONICS, IN	NC.	Date:	Wednesday, August 29, 2012	Sheet	51	of	57	



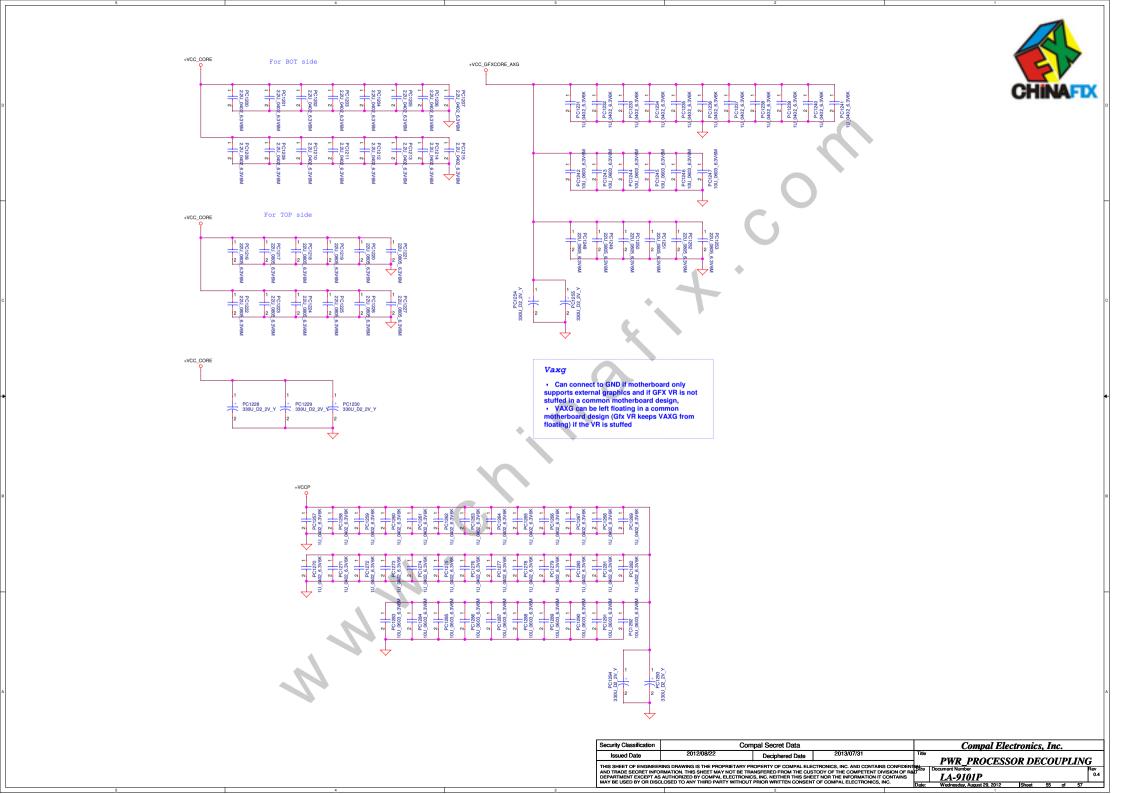






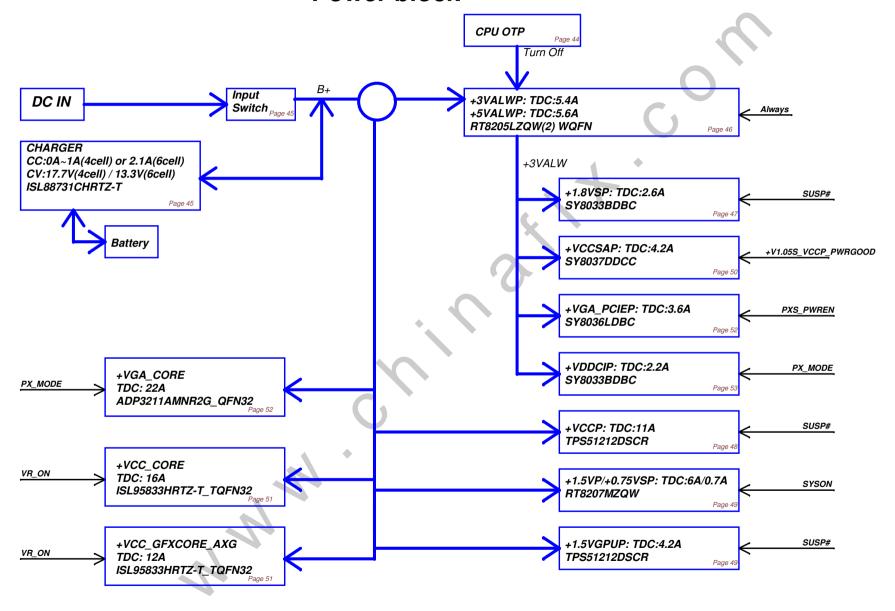
+VDDCIP

Security Classification	Compal Secret Data				Compal Elect	tronics	s, In	c.		
Issued Date	2012/08/22	Deciphered Date	2013/07/31	Title	PWR +VDDCIP					
DEPARTMENT EXCEPT AS	HING DRAWING IS THE PROPRIETARY PR PRIMATION. THIS SHEET MAY NOT BE TRA S AUTHORIZED BY COMPAL ELECTRONIC LOSED TO ANY THIRD PARTY WITHOUT	Size	Document Number  LA-9101P					Rev 0.4		
MAT BE USED BY ON DISC	LUGED TO AINT THIRD FARTT WITHOUT	PRIOR WALLEN CONSEN	I OF COMPACELECTRONICS, INC.	Date.	Wednesday August 20, 2012	Shoot	54	of	57	





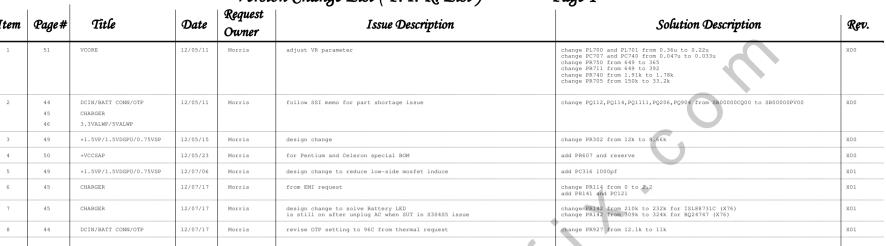
# Power block



Security Classification	Com	pal Secret Data			Compal Electr	onics,	Inc	<u>,                                     </u>		
Issued Date	2012/08/22	Deciphered Date	2013/07/31	Title	PWR POWER BL	OCE	374	CD	11/	
AND TRADE SECRET INFO DEPARTMENT EXCEPT AS	RMATION. THIS SHEET MAY NOT BE TRA	NSFERED FROM THE CUS S, INC. NEITHER THIS SHE	CTRONICS, INC. AND CONTAINS CONFIDEN TODY OF THE COMPETENT DIVISION OF RA ET NOR THE INFORMATION IT CONTAINS	Size	Document Number  LA-9101P	JCK I	JIA	GK/		Rev 0.4
MAT BE USED BY OR DISC	LUSED TO ANY THIRD PARTY WITHOUT	PHICH WHITTEN CONSEN	I OF COMPAL ELECTHONICS, INC.	Date:	Wednesday, August 29, 2012	Sheet	56	of	57	

Version Change List (P. I. R. List)

Page 1



Security Classification	sification Compal Secret Data				Compal Elec	tronics	, In	c.	
Issued Date	2012/08/22	Deciphered Date	2013/07/31	Title	PWR-PIR				
THIS SHEET OF ENGINEER	RING DRAWING IS THE PROPRIETARY PR	Size	Document Number				Rev		
DEPARTMENT EXCEPT AS	AUTHORIZED BY COMPAL ELECTRONIC LOSED TO ANY THIRD PARTY WITHOUT		LA-9101P	ICh			 0.4		