



Compal Confidential

Nvdia(T30L) + DDRIIIIL

V0JET (A210)_ LA8981P

2012-06-11

REV: 1.0

※The content in this document contains confidential information of Compal Electronics, Inc. that is protected under all applicable trade secrets laws and regulations.

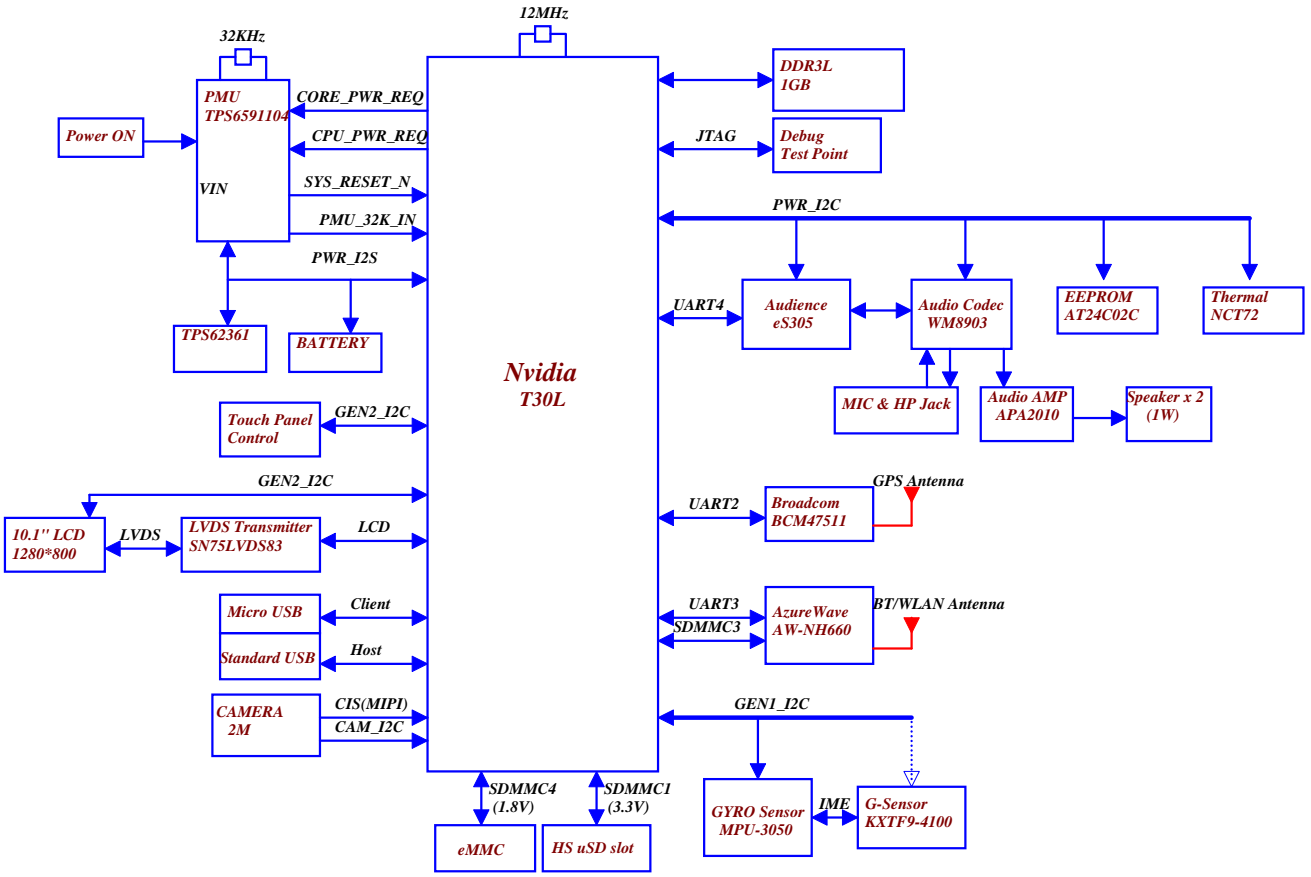
If you are not the intended recipient or otherwise authorized to receive such information, please do not copy, distribute or otherwise use the information contained herein and please destroy this communication accordingly.

www.aitach1.ru

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Deciphered Date	2012/01/09	Title	Cover Page
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF THIS 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 C	Document Number
				V0JET(A210)-LA8981P	
				Date	Wednesday, June 13, 2012
				Sheet	1 of 35

Compal Confidential

Model Name : NVIDIA T30L System Block Diagram



www.aitch1.ru

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2012/09/20	Deciphered Date	2012/01/09	Title	SYSTEM BLOCK
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 THIS 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 THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	C
				Document Number	V0JET(A210)-LA8981P
				Rev	1.0
				Date	Wednesday, June 13, 2012
				Sheet	2 of 35

Voltage Rails

Power Plane		ACIN	DCIN	IDLE	Standby
VIN	Adapter power supply (12V)	ON	ON	ON	ON
B+	AC or battery power rail for power circuit.	ON	ON	ON	ON
VDD_5V0_SBY	Power for always-on	ON	ON	ON	ON
VDD_1V8_PMU_VRTC	Power for RTC and always-on core logic	ON	ON	ON	ON
VDD_1V2_MEM					
VDD_1V35_DDR3_MEM	DDR RX power rail	OFF	OFF	ON	
VDD_1V0_GEN	Y30 VDD_CPU Power	OFF	OFF	ON	
VDD_1V2_SOC	Y30 VDD_CORE Power	OFF	OFF	ON	
VDD_1V35_DDR3_MEM	DDR power rail	OFF	OFF	ON	
VDD_PMU_LDO1		OFF	OFF	ON	
VDD_PMU_LDO2		OFF	OFF	ON	
VDD_PMU_LDO3		OFF	OFF	ON	
VDD_PMU_LDO4 (VDD_1V2_RTC_TEGRA)	T30 VDD_RTC power rail	OFF	OFF	ON	
VDD_PMU_LDO5 (+VDD_3V3_SDMC1_TEGRA)	T30 VDDIO_SDMC1 power rail	OFF	OFF	ON	
VDD_PMU_LDO6 (+AVDD_1V2_DSI_CSI_TEGRA)	T30 AVDD_DSI power rail	OFF	OFF		
VDD_PMU_LDO7 (+AVDD_1V1_PLL_TEGRA)	T30 AVDD_PLL power rail	OFF	OFF		
VDD_PMU_LDO8 (+VDD_1V0_DDR_HS_TEGRA)	T30 VDD_DDR_HS power rail	OFF	OFF		
+5VS	5V System power rail	OFF	OFF		
+3VALW	3.3V System power rail	OFF	OFF		
+3VS	3.3V power rail for standby mode	OFF	OFF		
VDD_1V8_GEN	1.8V System power rail	OFF	OFF		
+AVDD_1V8_USB_PLL_TEGRA	T30 USB power rail	OFF	OFF		
+T30S_USB1	USB power rail	OFF	OFF		
+VDD_2V85_EMMC	Core voltage for EMMC	OFF	OFF		
+LEBDVDD	LCD power rail	OFF	OFF		
+LCDVDD	LCD power rail	OFF	OFF		
+VDD_1V8_AUDIO_LDO	Audio power rail	OFF	OFF		
+2.8V_2M_AVDD_R	CAMERA power rail	OFF	OFF		
+VDD_3V3_SDCARD	Micro SD power rail	OFF	OFF		
+VDD_CAM_1V8	CAMERA power rail	OFF	OFF		
+VDD_3V3_FUSE_TEGRA	T30 VPP_Fuse power rail	OFF	OFF		
+VDD_1V8_SENSOR	3.3V Sensor power rail	OFF	OFF		
+VDD_3V3_SENSOR	3.3V Sensor power rail	OFF	OFF		

Bom Structure	01 BOM
A210@	V
A211@	NU
GPS@	V
GS@	NU
LDO@	V
ME@	V
NH660@	V
NONLDO@	NU
SD16GB@	NU
SD8GB@	NU
SS16GB@	NU
SS8GB@	V
WIFI@	V
X76@	V
X76-H@	V
X76-S@	NU

V0JET (A210)

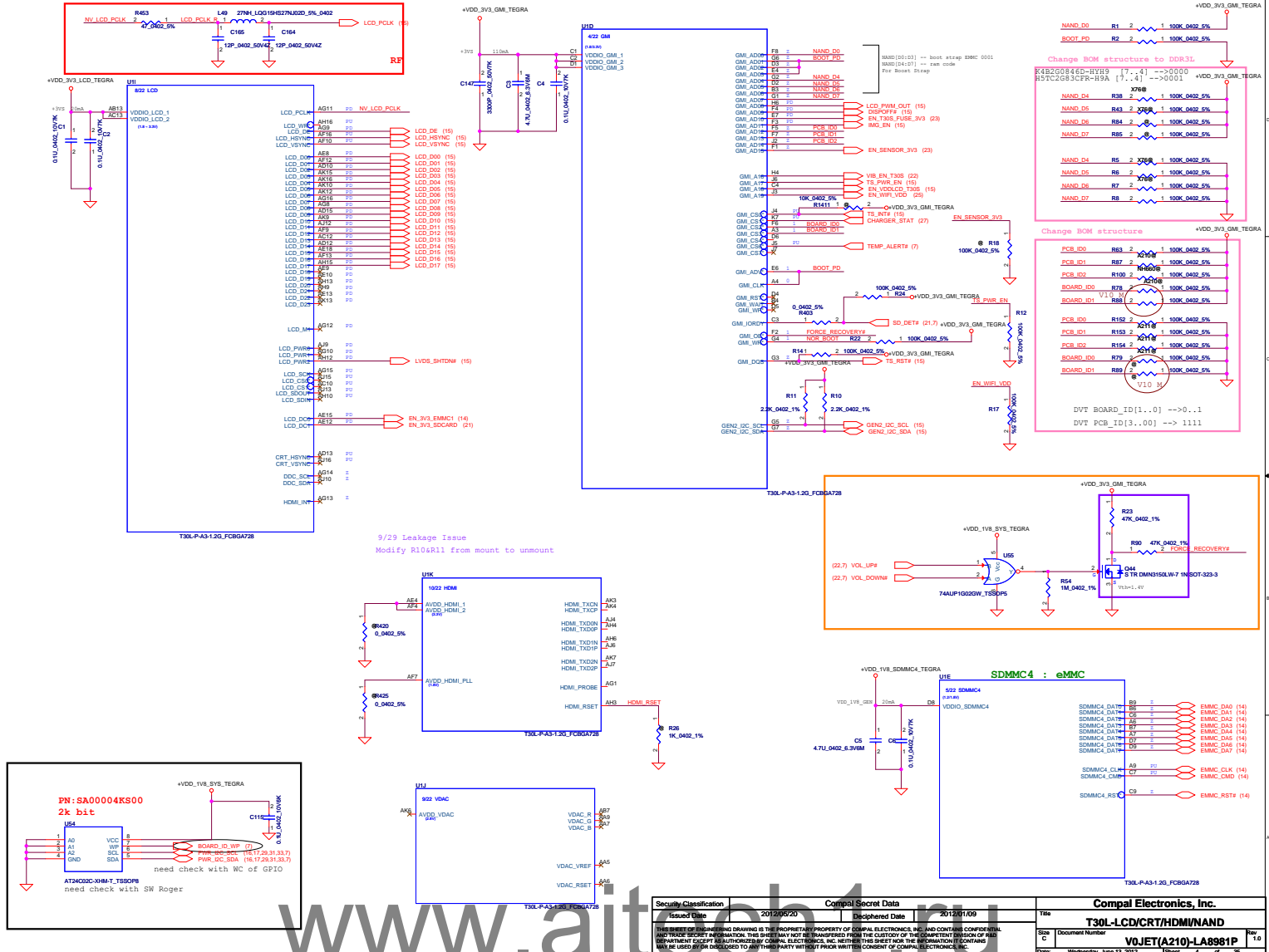
V0JET	EVT	DVT	PVT	MP	
PCB_ID0	H	H	H		L: A211 H: A210
PCB_ID1	H	H	H		L: H: NH660
PCB_ID2	H	H	H		L: H: A210/A211
PCB_ID3	H	H	H		L: H: A210/A211

V0JET	Vendor PN	Acser PN	NAND_D4	NAND_D5
DDR3L	K4B2G0846D-RYH9 (Samsung)	KN.2GB08.038	0	0
	H5FC2G83CPR-H9A (Hynix)	KN.2GB0G.003	1	0
	FD3J108BD8G-D3-FE1 (Elpida)	KN.2GB09.001	0	1

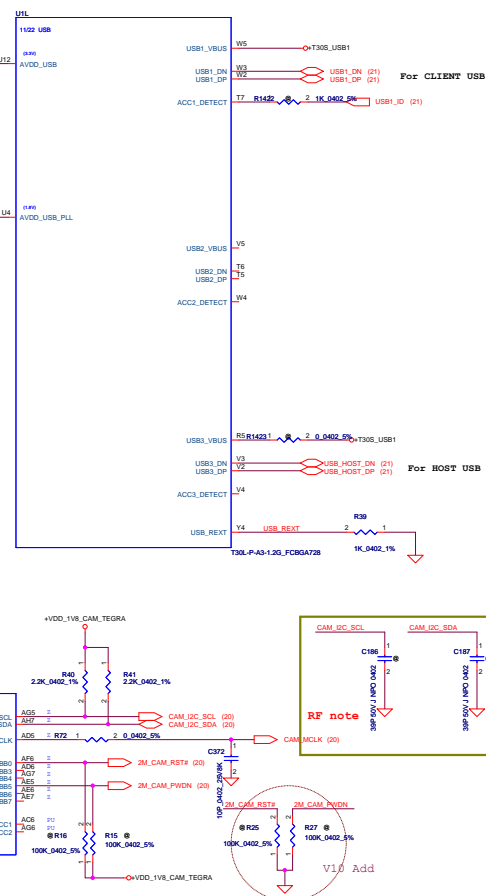
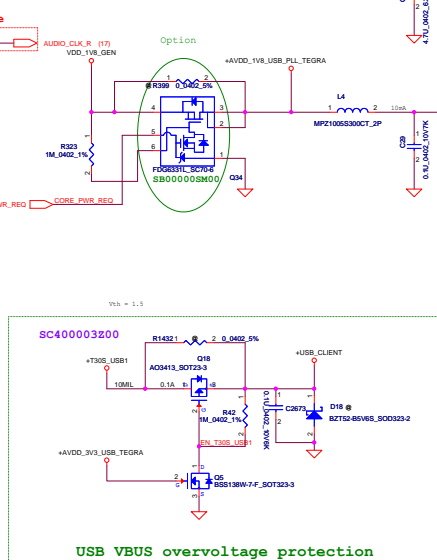
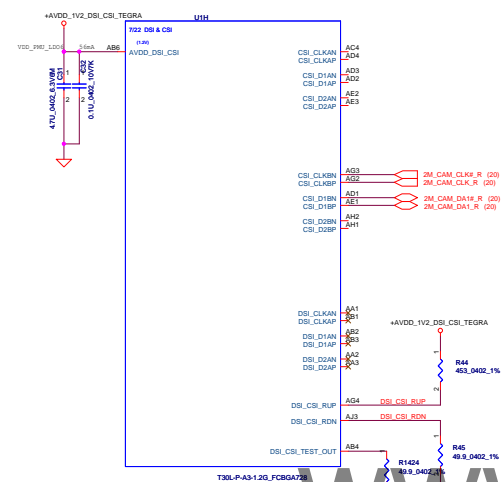
V0JET	EVT	DVT	PVT	MP
Board ID0	0	1	0	1
Board ID1	0	0	1	1

GEN1_I2C (+VDD_1V8_SENSOR)				PWR_I2C (+VDD_1V8_SYS_TEGRA)			
Device		8bit	7bit	Device		8bit	7bit
E-compass (reserved only)	Write	0x18	0x0C	Thermal Sensor	Write	0x98	0x4C
	Read	0x19			Read	0x99	
GYRO	Write	0xD0	0x68	Codec	Write	0x34	0x1A
	Read	0xD1			Read	0x35	
G-Sensor	Write	0x1E	0x0F	Battery	Write	0xAA	0x55
	Read	0x1F			Read	0xAB	
				EEPROM	low level	0xA0, 0xA1	0x50
					high level	0xA2, 0xA3	0x51
				Audio Processor		0x7C, 0x7D	0x0E
				PMIC		0x5A, 0x5B	0x2D
				Processor Core Supply		0xC0, 0xC1	0x60
GEN2_I2C (+VDD_3V3_GM1_TEGRA)				CAM_I2C (+VDD_1V8_CAM_TEGRA)			
Device		8bit	7bit	Device		8bit	7bit
Touch Screen (Atmel)	Write	0x9A	0x4D	2M Camera	Write	0x78	0x3C
	Read	0x9B			Read	0x79	
Touch Screen (Focalech)	Write	0x70	0x38				
	Read	0x71					

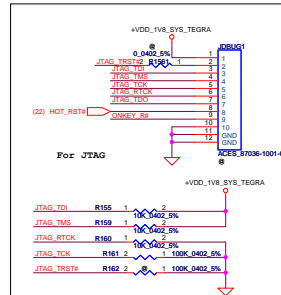
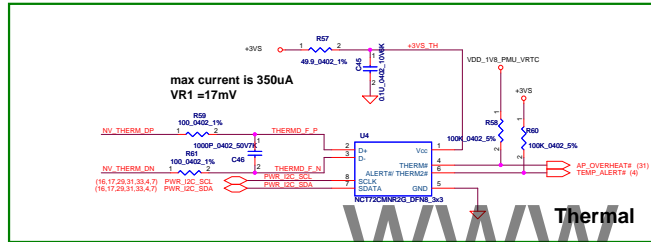
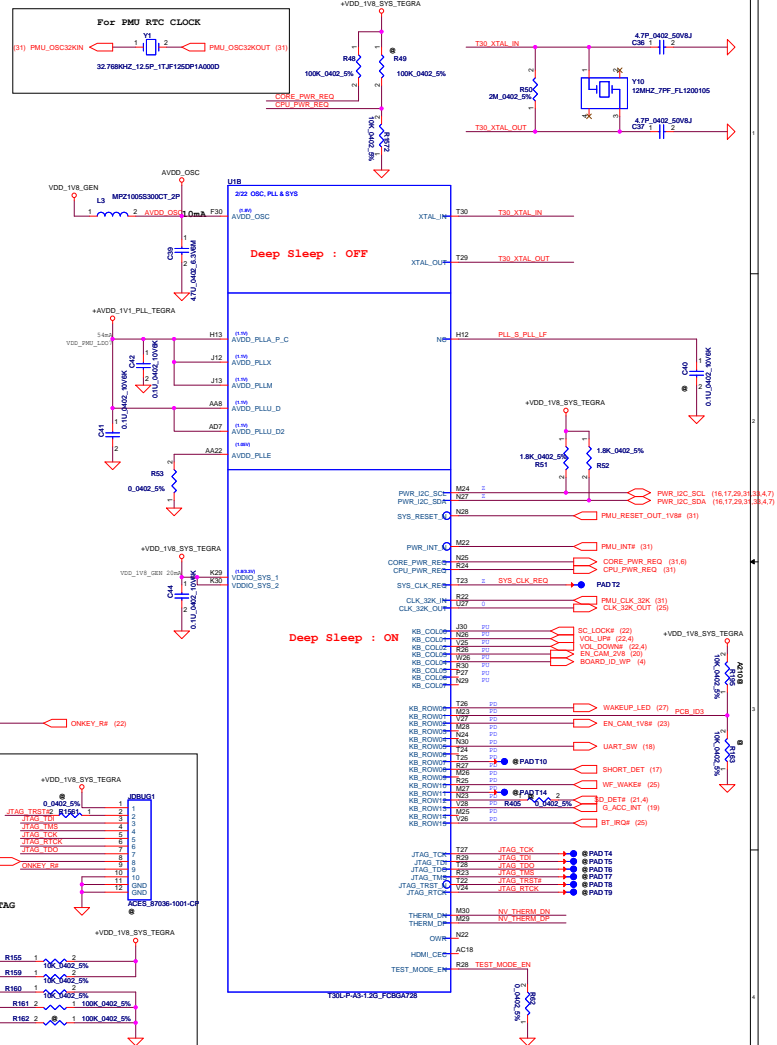
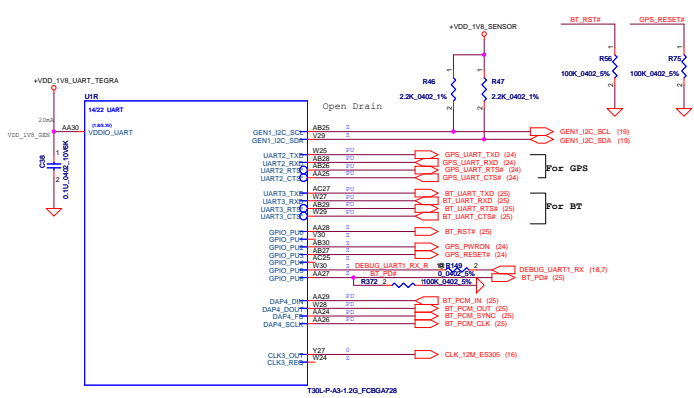
Security Classification	Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Deciphered Date	2012/01/09	Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE LOWEST LEVEL DIVISION OF THIS 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.				Notes List
Size	C	Document Number	V0JET(A210)-LA8981P	
Date	Wednesday, June 13, 2012		Sheet	4 of 35



Security Classification		Control Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Deciphered Date	2012/01/09	Title	T30L-LCD/CR7/HDM/NAND
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 COMPANY OR THE COMPANY'S EMPLOYEES WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. ANY REPRODUCTION OR DISSEMINATION OF THIS SHEET WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. IS STRICTLY PROHIBITED.				Size	C
				Doc Number	V0JET(A210)-LA8981P
				Date	Wednesday, June 13, 2012
				Sheet	4 of 36

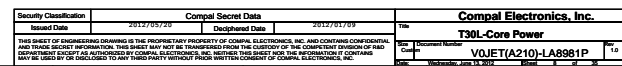
[illegible]

Security Classification		Control Secret Data		Control Electronics, Inc.	
Issued Date		Declassified Date		Title	
20120520		2012/01/09		T30L-USB/SIO/UART/AUDIO	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND SECRET INFORMATION. THIS SHEET MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION MAY BE SUBJECT TO CIVIL OR CRIMINAL PENALTIES. THIS SHEET IS THE PROPERTY OF COMPAL ELECTRONICS, INC. AND IS TO BE RETURNED TO THE COMPANY IMMEDIATELY UPON REQUEST.				Size	Document Number
				Rev	1.0
				VOJET (A210)-LA8981P	
				Doc	Wednesday, June 13, 2012

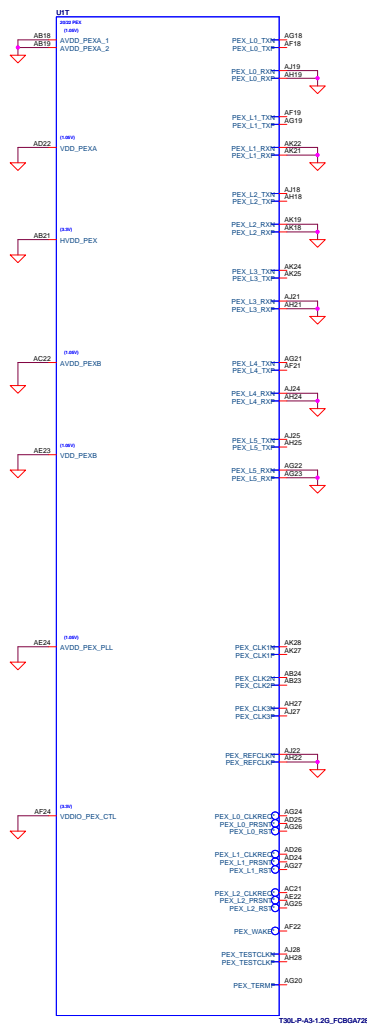


Security Classification		Control Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Deciphered Date	2012/01/09	Title	T30L-UART/OSC/PLL
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET 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 THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC.				Size	C
				Document Number	V0J2T(A210)-LA8981P
				Date	Wednesday, June 13, 2012
				Sheet	7 of 35

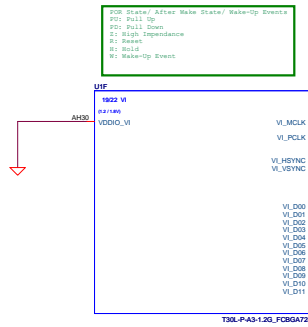
www.aitech1.ru



T30 PEX Interface



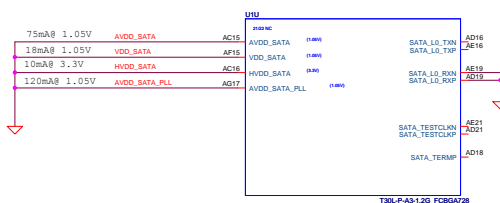
T30 VI Interface



T30 SPARE Pins



T30 SATA Interface

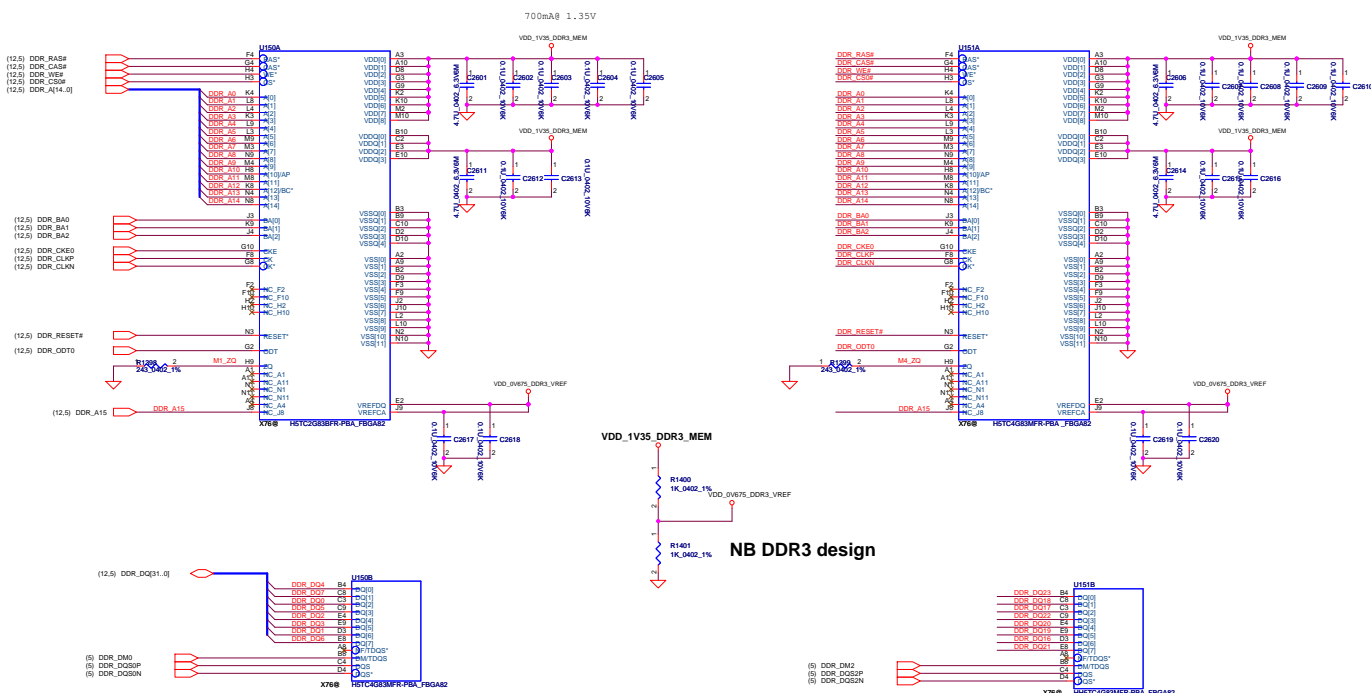


www.aitech1.ru

T30L-PEX/SATA/VI			
Doc	Document Number	V0JET(A210)-LA8981P	Rev
C			1.0
Date	Wednesday, April 13, 2011	Sheet	1 of 35

www.aitech1.ru

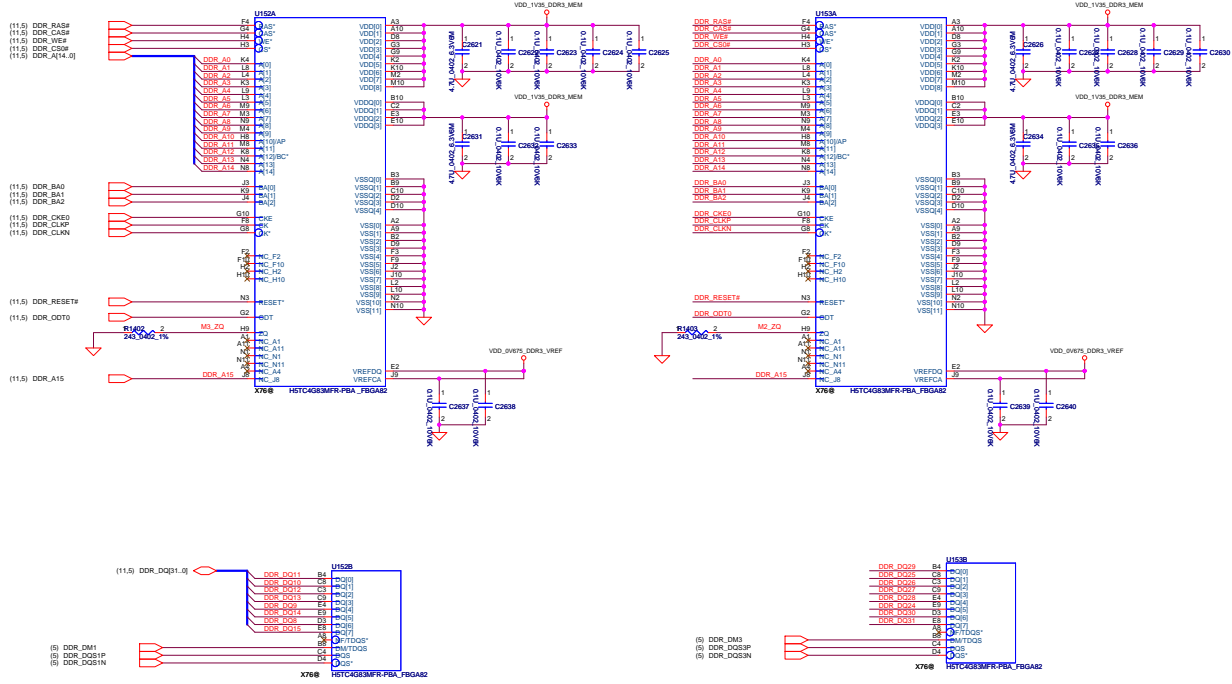
File		
<Title>		
Size	Document Number	Rev
C	VL0ET1A21H-LAS01P	1.0
Date: Wednesday, June 13, 2012 Sheet 10 of 35		



U150	X76-S@ K4B2G0846D-IYH9	U150	X76-H@ H5TC2G83CFR-H9A	U156	X76-E@ EDJ2108EDBG-DJ-F
	SA00005K110		SA000055910		SA000055E10
U151	X76-S@ K4B2G0846D-IYH9	U151	X76-H@ H5TC2G83CFR-H9A	U155	X76-E@ EDJ2108EDBG-DJ-F
	SA00005K110		SA000055910		SA000055E10
U152	X76-S@ K4B2G0846D-IYH9	U152	X76-H@ H5TC2G83CFR-H9A	U156	X76-E@ EDJ2108EDBG-DJ-F
	SA00005K110		SA000055910		SA000055E10
U153	X76-S@ K4B2G0846D-IYH9	U153	X76-H@ H5TC2G83CFR-H9A	U159	X76-E@ EDJ2108EDBG-DJ-F
	SA00005K110		SA000055910		SA000055E10

Security Classification	Confidential	Compal Secret Data	2012/01/05	Title	Compal Electronics, Inc. DDR3 part1
Issued Date	2012/01/05	Declassified Date	2012/01/05	Document Number	VOJET(A210)-LA8981P
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 THE PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.					
Date: Wednesday, June 13, 2012 13:04 11 of 36					

DDR3/DDR3L(page 2/2): 4pcs, 2Gbx4 memory chips: RANK 0: HIGH 16 BITS

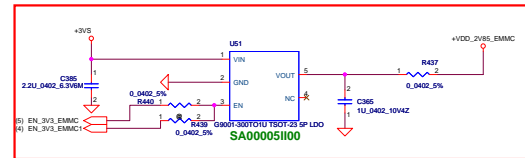


www.aitool.ru

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Declassified Date	2012/01/05	Title	DDR3_part2
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 CUSTOMER OF THE COMPETENT DIVISION OF COMPAL ELECTRONICS, INC. WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. IF THIS SHEET FOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Document Number	VOJET(A210)-LA8981P
				Date	Wednesday, June 13, 2012
				Page	12 of 36

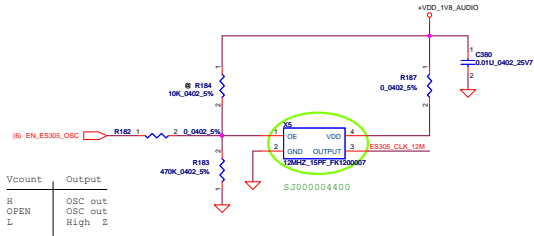
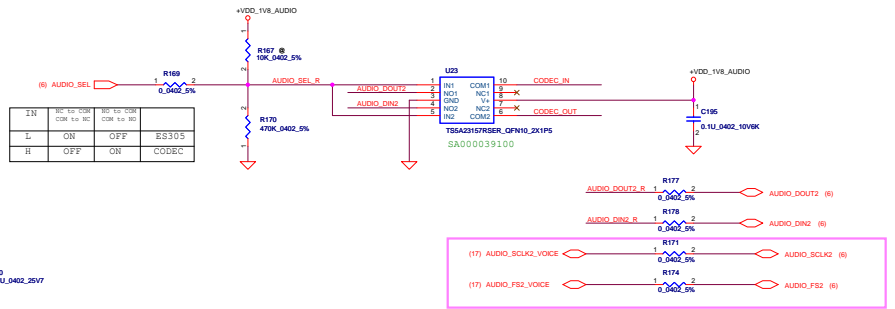
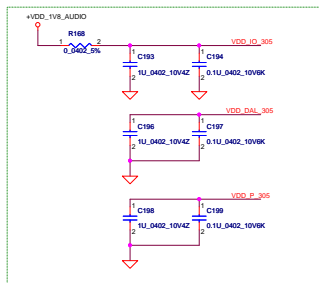
www.aitech1.ru

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Deciphered Date	2012/01/09	Title	EC(Reserved)
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 HKS DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BEYOND DELIVERED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size C	Document Number
				V0JET(A210)-LA8981P	
				Date	Wednesday, June 13, 2012
				Sheet	13 of 35

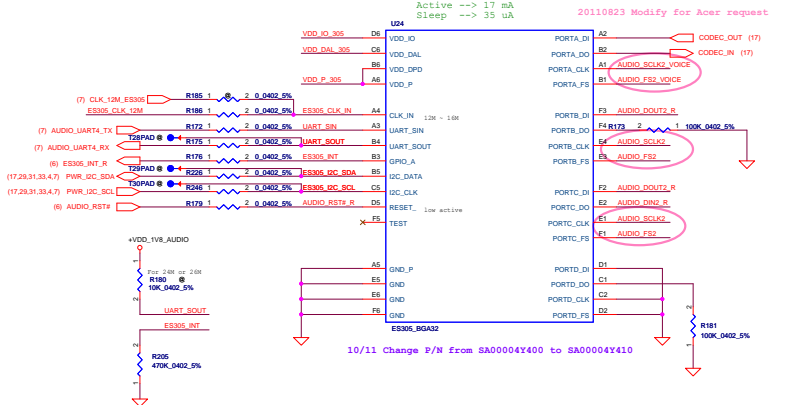
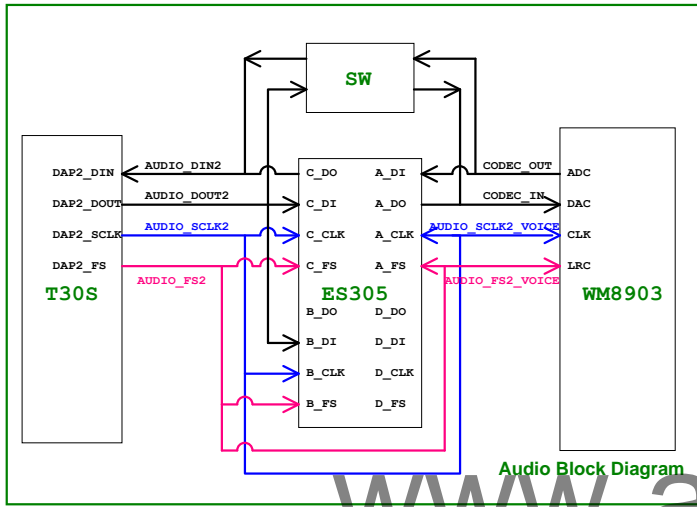


THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAQ ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D

Security Classification		Control Secret Data		Compal Electronics, Inc.	
Issued Date	2012/06/20	Deciphered Date	2012/01/09	Title	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND "NO FOREIGN DISCLOSURE" INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF THE DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. WITHIN THIS SHEET THE "NO FOREIGN DISCLOSURE" CONTAINS MAY BE USED IN WHOLE OR IN PART TO ASSIST ANY PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	A
				Document Number	100
				Revision	1.0
				Date	Wednesday, June 13, 2012
				Sheet	1 of 36

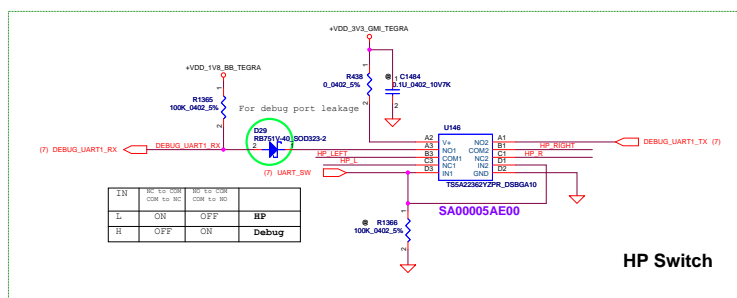
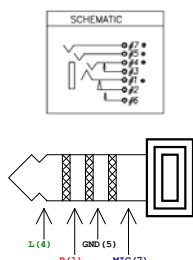
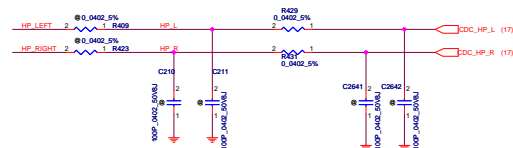


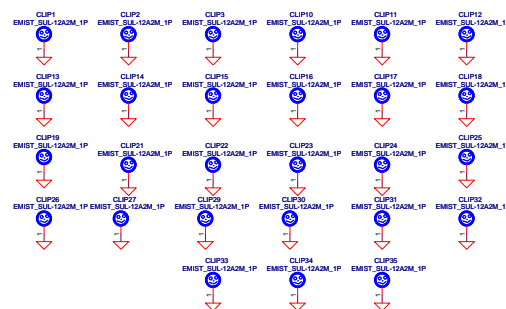
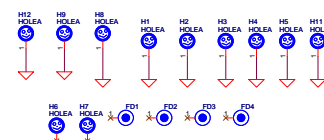
Vcount	Output
H	OSC out
OPEN	OSC out
L	High Z



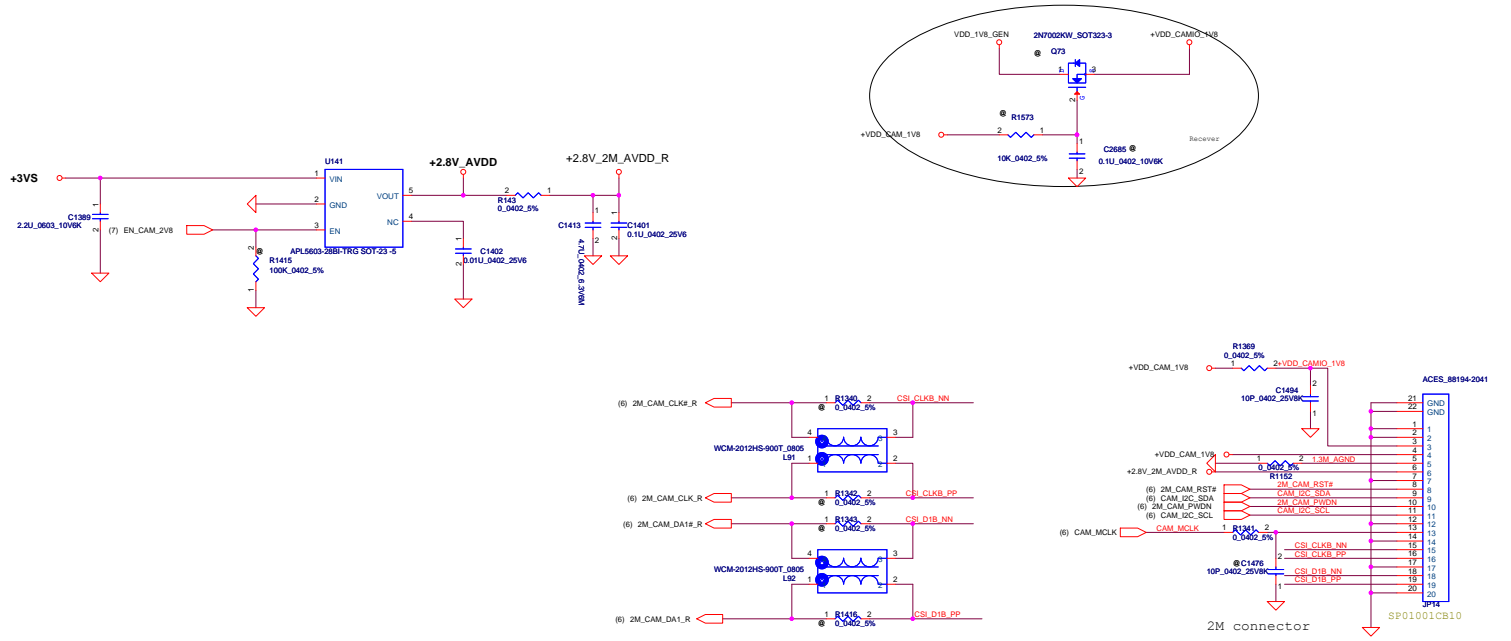
Support for input clock frequencies of 24 MHz and 26 MHz requires a 10k pull-up resistor on the UART_SOUT pin.

Security Classification	Compal Secret Data	Compal Electronics, Inc.
Issued Date	2012/05/20	Deciphered Date
Deciphered Date	2012/01/09	Title
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 OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC.		ES305
Size	C	Document Number
V0JET(A210)-LA8981P		Rev
Date		Wednesday, June 13, 2012
Sheet		16 of 36

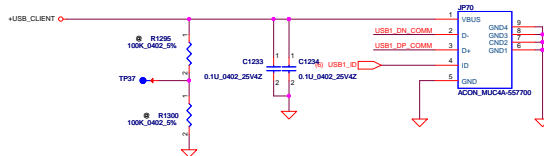
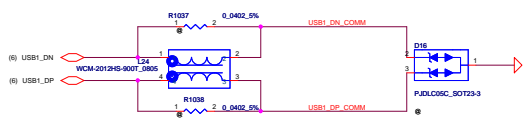
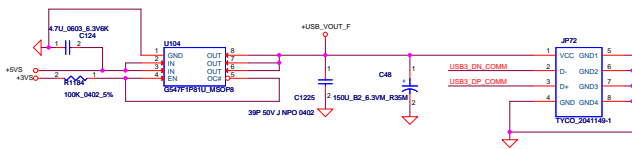
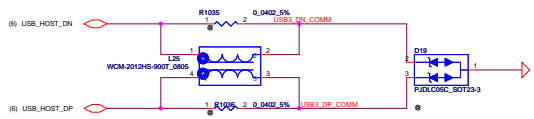




Security Classification	Compul Secret Data		Compul Electronics, Inc.
Issued Date	20120520	Declassified Date	20120709
<p>THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPUL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND UNCLASSIFIED SECRET INFORMATION. THIS SHEET MAY NOT BE REPRODUCED FROM THE CUSTODY OF THE COMPETENT DIVISION OF THIS CORPORATION WITHOUT THE WRITTEN CONSENT OF COMPUL ELECTRONICS, INC. NO PART OF THE INFORMATION CONTAINED HEREIN MAY BE USED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPUL ELECTRONICS, INC.</p>			<p>Title</p> <p>GYRO/G-Sen/E-Compass/Clip</p> <p>Doc Number</p> <p>V01ET(A210-LA8981P</p> <p>Date</p> <p>Wednesday, June 13, 2012</p> <p>Page</p> <p>1</p>

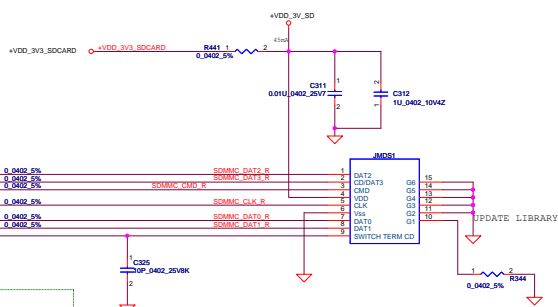
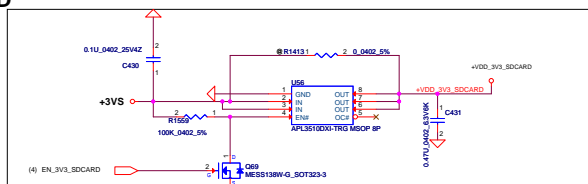


Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Deciphered Date	2012/01/08	Title	2M CAMERA
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MUST NOT BE TRANSMITTED FROM THE CUSTODY OF THE COMPANY OR FOR SAID 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 PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	Document Number
				Comm	V0JET(A210)-LA8981P
				Date	Wednesday, June 13, 2012
				Sheet	20 of 35
				Rev	1.0

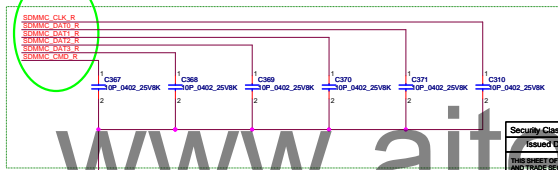


USB Port

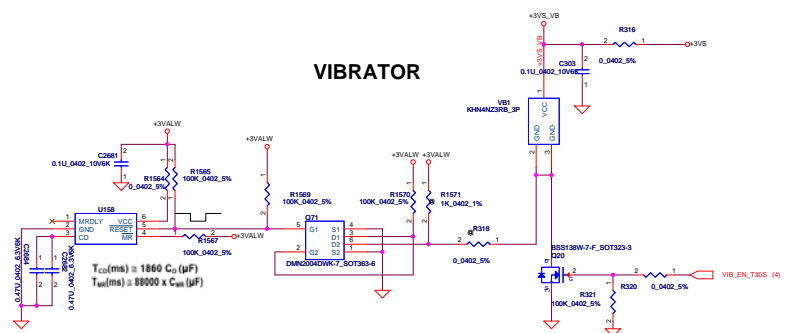
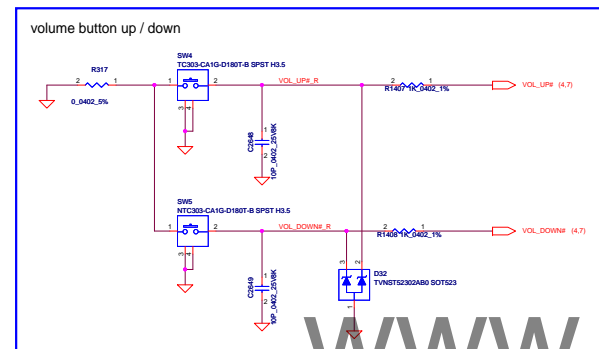
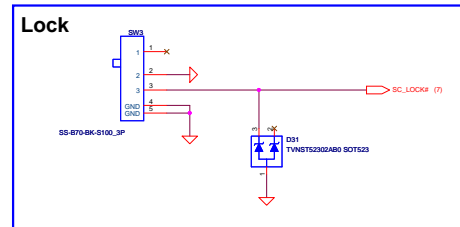
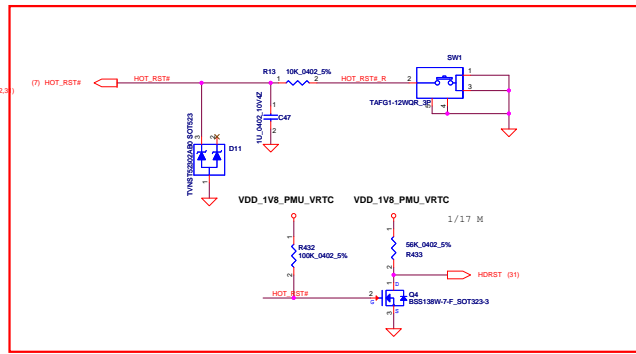
Micro SD



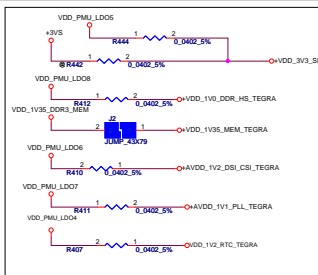
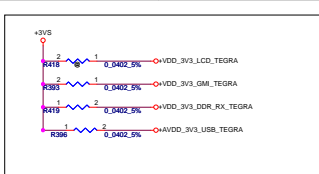
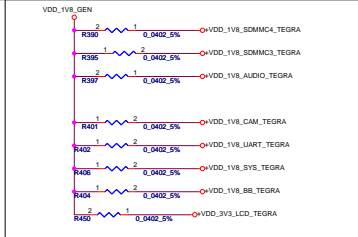
reference Aca schematic



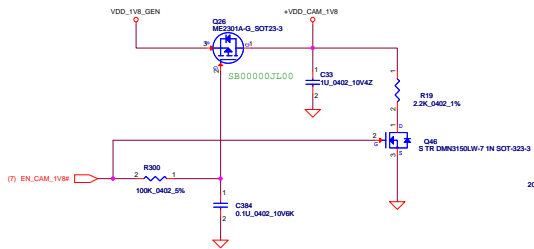
Security Classification	Compal Secret Data	Document Number	Revision
Issued Date	2012/05/20	Deciphered Date	2012/01/09
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET IS NOT TO BE TRANSFERRED FROM THE CUSTODY OF THE COMPARTMENT DIVISION OF S&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 PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.			
Title		Document Number	Rev
USB / Micro SD		V0JET(A210)-LA8981P	1.0
Date		Wednesday, June 13, 2012	Sheet 21 of 35



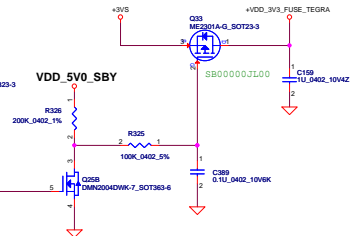
Security Classification	Compal Secret Data		Title	
Issued Date	2012/06/20	Deciphered Date	2012/01/09	
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE REPRODUCED FROM THE CUSTODY OF THE COMPETENT DIVISION OF THE UNITED STATES DEPARTMENT OF COMMERCE, BUREAU OF ECONOMIC ANALYSIS, WITHOUT THE WRITTEN PERMISSION OF THE INFORMATION TECHNOLOGY DIVISION. ANY USE OF THIS INFORMATION WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC. IS PROHIBITED. ANY UNAUTHORIZED DISCLOSURE TO ANY OTHER PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. IS PROHIBITED.			Compal Electronics, Inc. Power LED/Lock LED/Ecompass VJ0ET(A210)-LA8981P	
Size	C	Document Number	Rev 1.0	
Date	Wednesday, June 13, 2012	Page	22 of 36	



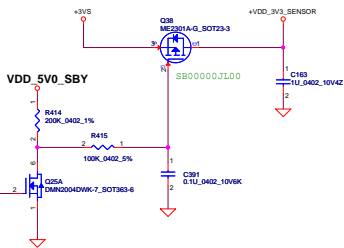
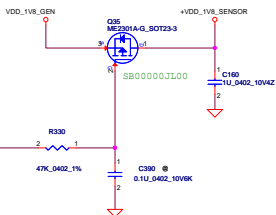
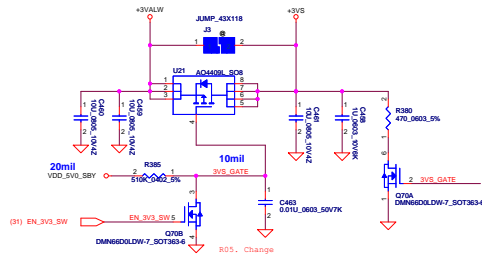
Q26 close to Camera Conn.



Q33 close to T30S

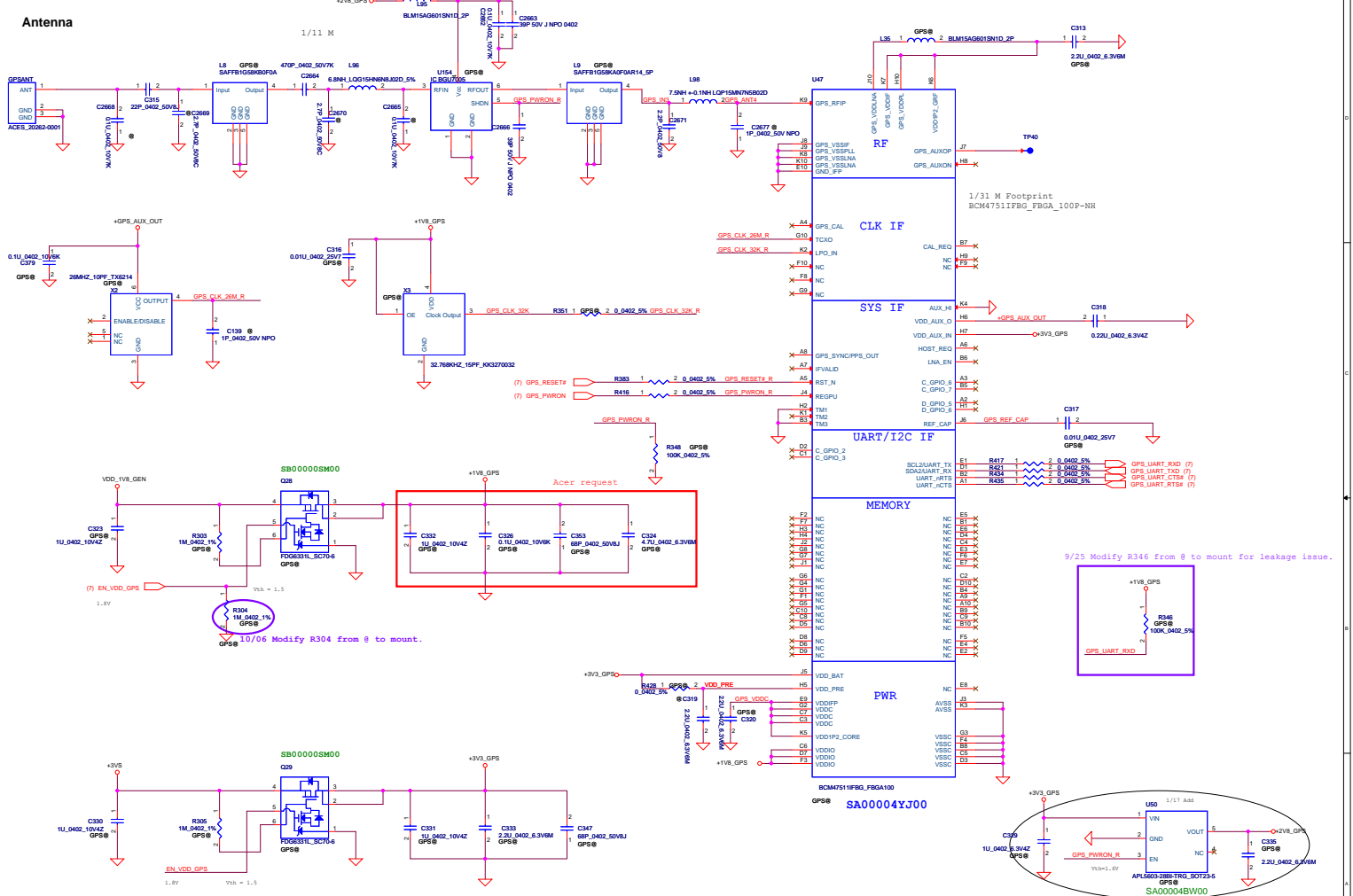


+3VALW TO +3VS



Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Deciphered Date	2012/01/09	Title	DC Interface/Power Button
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 SAO 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 PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size	C
				Document Number	V0JET(A210)-LA8981P
				Date	Wednesday, June 13, 2012
				Sheet	22 of 26

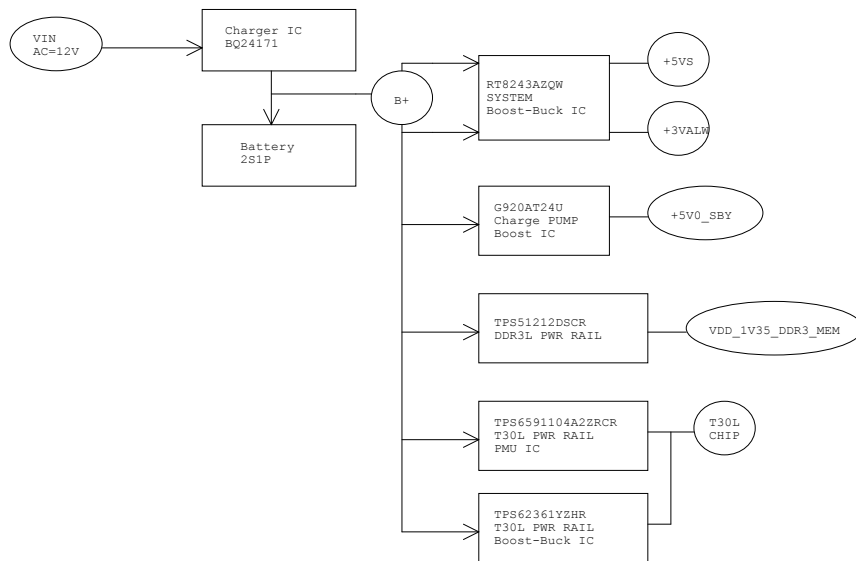
Antenna



www.aitech1.com

GPS POWER SOURCE

Security Classification		Control Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Deciphered Date	2012/01/09	Title	GPS BCM47511
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 CURRENT DIVISION OF SAO DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BEYOND OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size C	Document Number
				VOJET(A210-L)A8981P	
				Date	Wednesday, June 13, 2012
				Sheet	35 of 35



www.aitch1.ru

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2012/05/20	Deciphered Date	2012/01/09	Title	PWR BLOCK
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 TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF SAO 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 PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.				Size C	Document Number
				V0JET(A210)-LA8981P	
				Date	Wednesday, June 13, 2012
				Sheet	26 of 26

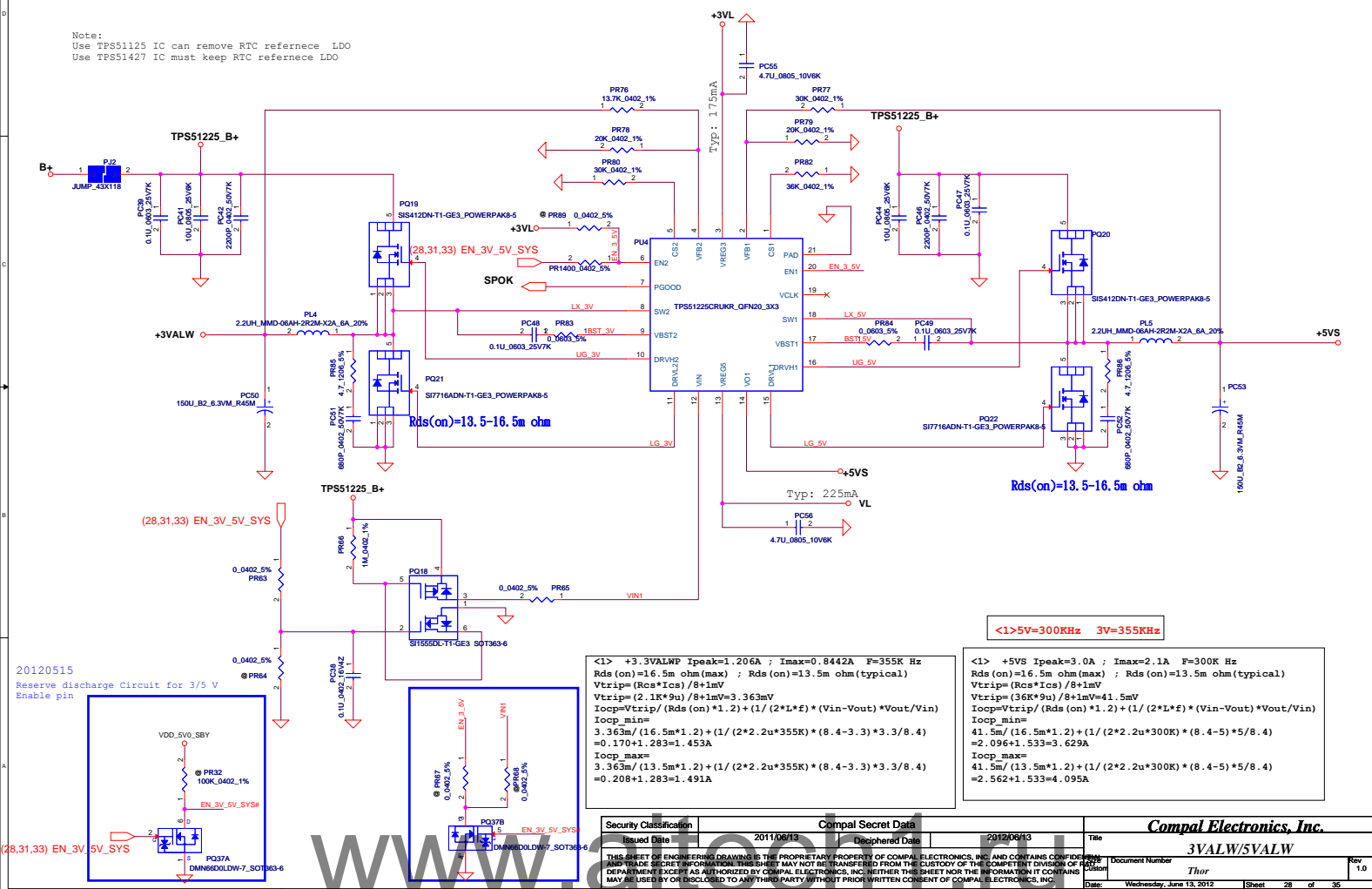
```
AC Insert or remove --> Wake up T30S
USB Insert or remove --> Wake up T30S
SW to check if Acer USB --> Change charge current to 1
```

```
AC Insert or remove --> Wake up T30S
USB Insert or remove --> Wake up T30S
SW to check if Acer USB --> Change charge current to 1
```



www.aitech1.ru

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

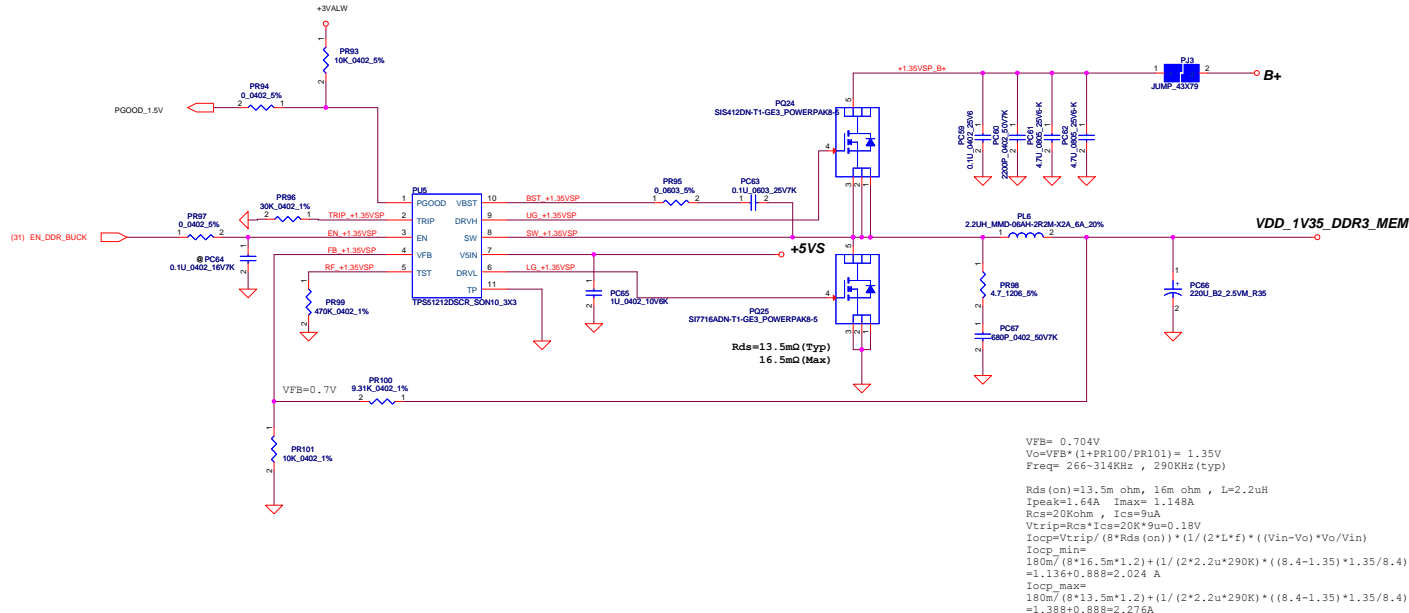


```
20120515
Reserve di
Enable pin
```

(25,31,33) EN_3V 5V_SYS
Issue Date: 2011/06/13
Discontinued Date: 2012/06/13
Title: 3VALW/5VALW

PO37A DMIN6GOLDI-W-7_SOT363-6
Document Number: Thor
Date: Wednesday, June 13, 2012
Sheet: 28 of 35

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 RAD-DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.



Security Classification	Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2011/06/13	Deciphered Date	2012/06/13	Title
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF 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.				DDR Regulator
Size	Customer	Document Number	Thor	Rev
Date	Wednesday, June 13, 2012	Sheet	30	of 35

www.aitech1.ru

Compal P/N: SA000056800 S IC TPS6591104A2ZRCR BGA 98P PMU

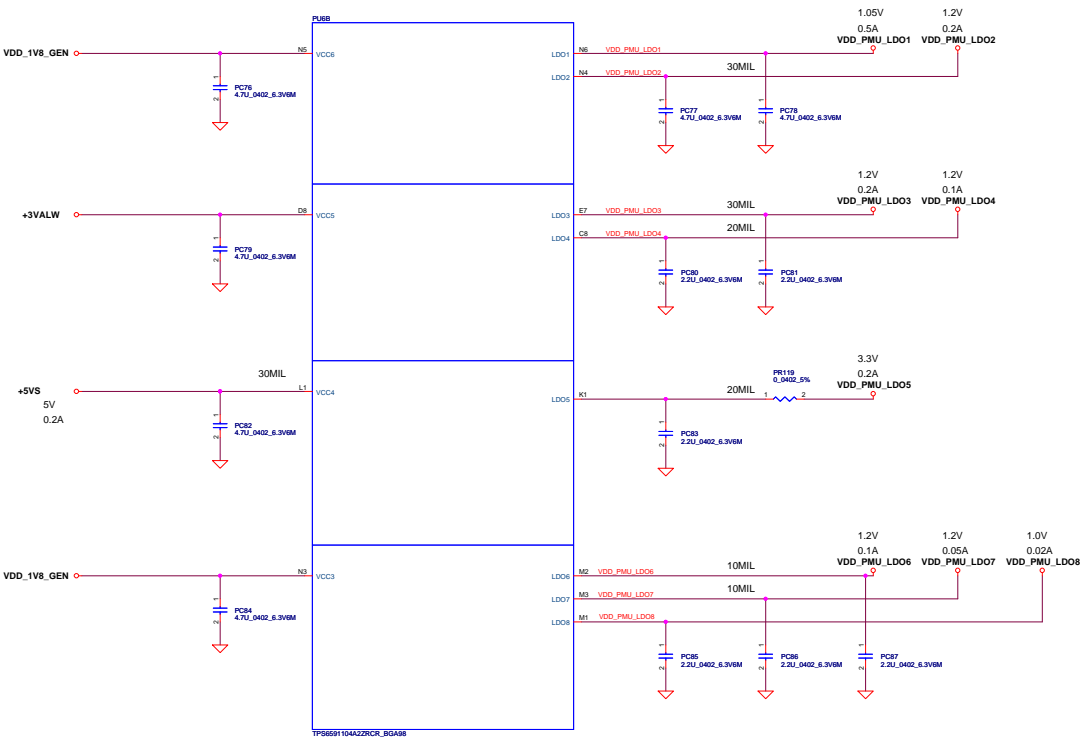


Security Classification	Compal Secret Data		Compal Electronics, Inc.		
Issued Date	2013/06/20	Deciphered Date	2012/04/13	Title	PMU part1
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MUST NOT BE TRANSMITTED OR DISCLOSED TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC. ANY UNAUTHORIZED DISCLOSURE OF THIS INFORMATION TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF COMPAL ELECTRONICS, INC. IS STRICTLY PROHIBITED.			Doc Number	Thor	Rev 1.0
			Date	Wednesday, June 13, 2012	Sheet 31 of 35

PMU-TPS65911 2/3

Note: LDO1 & LDO2 need 4.7uF cap according to TI on July 6th

Compal P/N: SA000056800 S IC TPS6591104A2ZRCR BGA 98P PMU

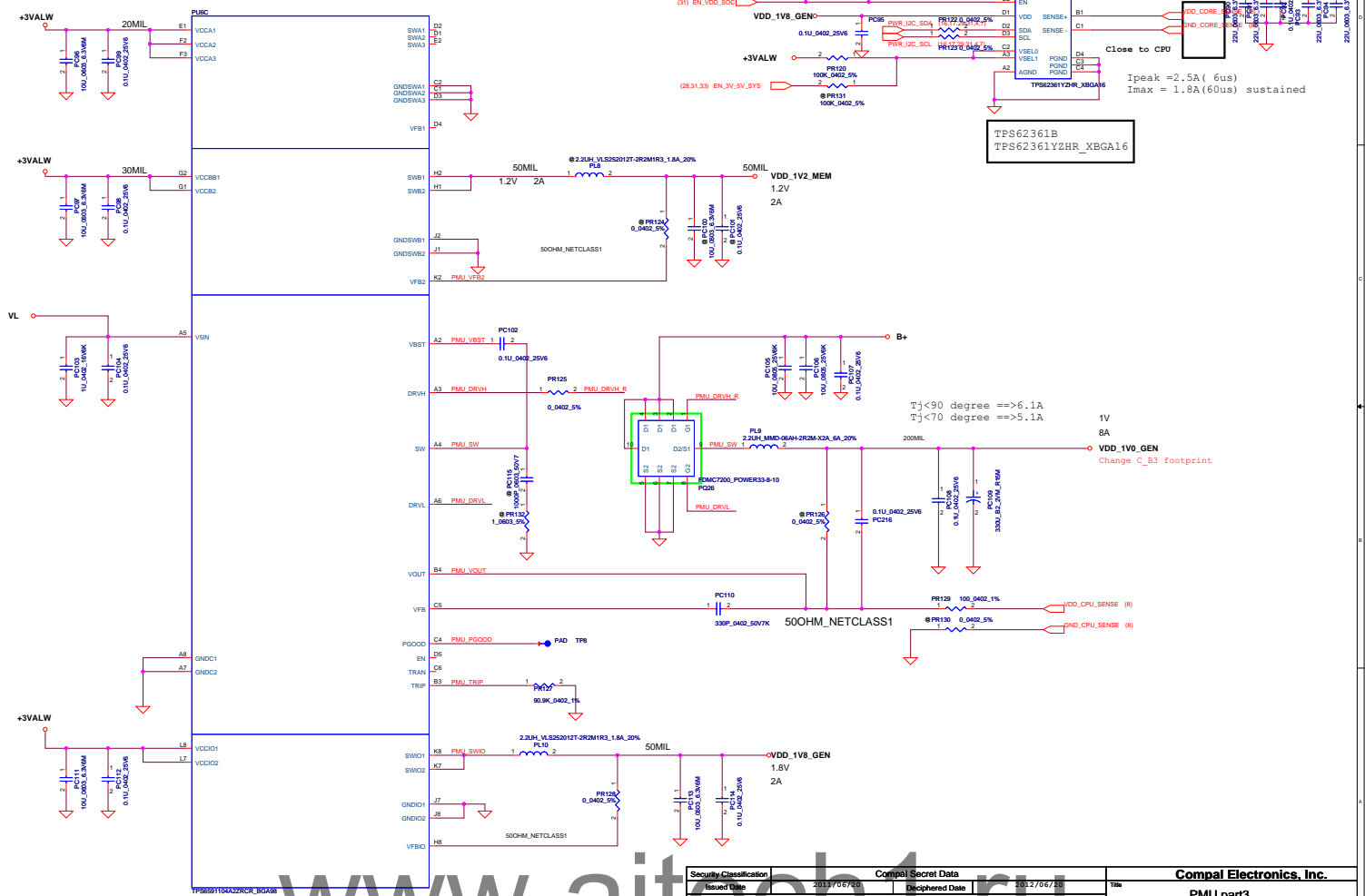


www.aitech1.ru

Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2013/06/20	Deciphered Date	2013/06/20	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 IMMEDIATE DIVISION OR 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
				Thor	1.0
				Date	Wednesday, June 13, 2012
				Sheet	32 of 35

PMU-TPS65911 3/3

Compal P/N: 8A000056800 S IC TPS6591104A2ZRCR BGA 98P PMU



Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2013/05/20	Deciphered Date	2012/06/20	Title	PMU part3
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 EMPLOYEES OF COMPAL ELECTRONICS, INC. WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. ANY REPRODUCTION OR DISSEMINATION OF THIS SHEET WITHOUT THE WRITTEN CONSENT OF COMPAL ELECTRONICS, INC. IS STRICTLY PROHIBITED.				Document Number	Thor
				Date	Wednesday, June 13, 2012
				Sheet	33 of 35