QIQY5

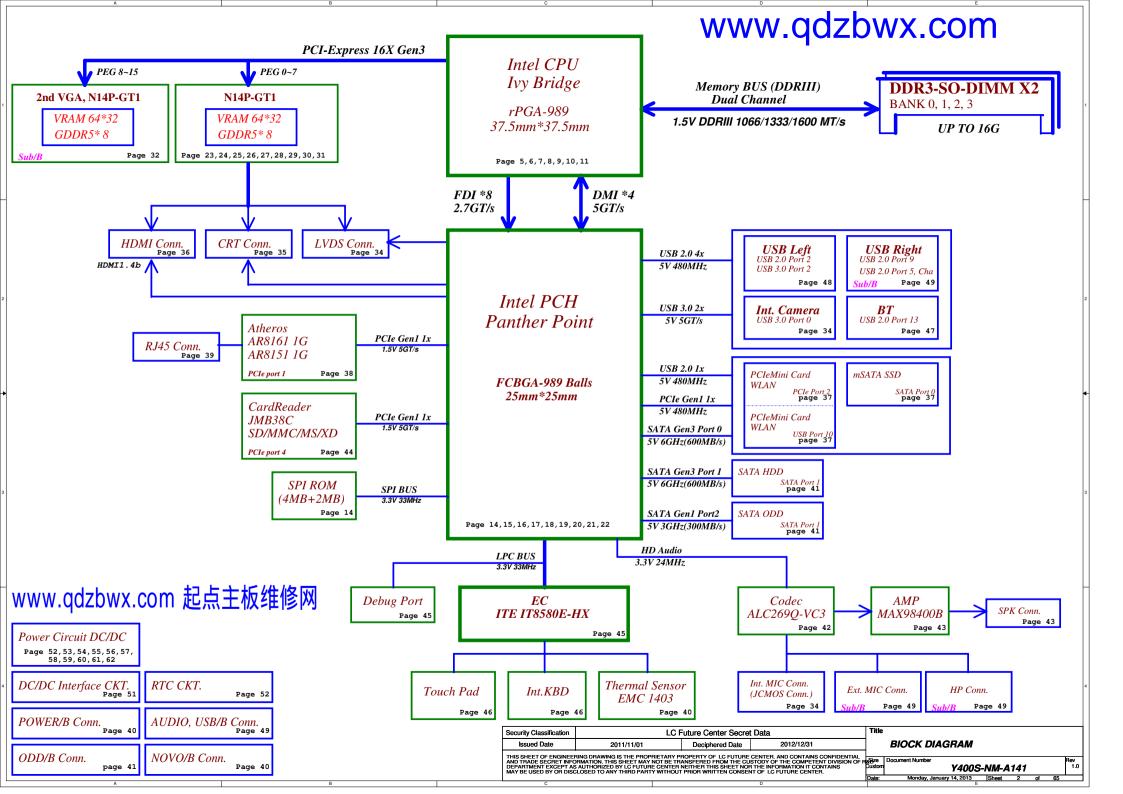
Whisky3.0 (Y400S)

NM-A141 Rev0.2 Schematic

Intel IVY Bridge Processor with DDRIII + Panther Point PCH nVIDIA N14P GT + 2nd VGA N14P GT

2012-10-25-Rev0.2

Security Classification	LCI	Future Center Secre	et Data	Title		
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Voltage Rails (O --> Means ON , X --> Means OFF)

,				
Power Plane State	B+	+3VALW +5VALW	+1.5V	+5VS +3VS +1.5VS +VCCSA +V1.5S_VCCP +CPU_CORE +VGA_CORE +GFX_CORE +1.8VS +1.05VS +0.75VS +3.3VS_VGA +1.5VS_VGA +1.05VS_VGA
S0	0	0	0	0
<i>S3</i>	0	0	0	х
S5 S4/AC Only	0	0	x	х
S5 S4 Battery only	0	х	x	X
S5 S4 AC & Battery don't exist	х	x	x	х

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

USB Port Table

USB 2.0	USB 3.0	Port	4 External USB Port
	1	0	Camera
	XHCI 2	1	
EHCI1	3	2	USB Port (Left Side)
	4	3	
		4	
		5	USB Port (Right Side)
		6	
		7	
EHCI2		8	
EHCIZ		9	USB Port (Right Side)
		10	Mini Card(WLAN)
		11	
		12	
		13	Blue Tooth

\mathbf{D}'	~ N A	C+		Table	
В١	JIVI	SIL	ıcıure	Table	

BOM Structure	BTO Item
HDMI@	HDMI part
CHG@	USB charger part
NOCHG@	No USB charger part
CMOS@	CMOS Camera part
8161@	AR8161 LAN part
8151@	AR8151 LAN part
8161S@	AR8161 LAN surge part
8151S@	AR8151 LAN surge part
SURGE@	AR8151&8161 LAN surge part> Delete (201200627)
610	X76 P/N for AR8161
510	X76 P/N for AR8151
X76@	X76 Level part for VRAM
GC6@	NV CG6 support part
NOGC 6@	NV no CG6 support part
AOAC@	AOAC support part
KBL@	K/B Light part
ME@	ME part
OPT@	For optimus function part
SLI@	For SLI function part
DS3@	Deep S3 support part
S3 @	For S3 function part
GT@	NV chip part
@	Unpop

SMBUS Control Table

	SOURCE	Main VGA	2nd VGA	BATT	IT8580E	SODIMM	WLAN WiMAX	Thermal Sensor	PCH	TP Module
EC_SMB_CK1 EC_SMB_DA1	IT8580E +3VALW	X	x	V +3VALW	X	X	х	x	х	x
EC_SMB_CK2 EC_SMB_DA2	IT8580E +3VS	V +3VS	V +3VS	X	X	X	х	V +3VS	V +3V_PCH	X
SMB_CLK_S3 SMB_DATA_S3	PCH +3VS	X	X	X	X	V +3VS	V +3VS	X	V +3V_PCH	V +3VS

PCIE PORT LIST

Port	Device
1	LAN
2	WLAN
3	
4	Card Reader
5	
6	
7	
8	

EC SM Bus1 address

0001 011X b

Device

EC SM Bus2 address

Device Address 1001_101xb

Thermal Sensor EMC1403-2 Master VGA

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PCH SM Bus address

Device	Addre	ess
DDR DIMM0	1001 0	00Xb
DDR DIMM2	1001 0	10Xb
	Security Classification	LC Future Center Secret Data

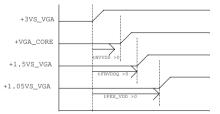
Z00200100	
	Title

2011/11/01 2012/12/31 **NOTES LIST** Y400S-NM-A141

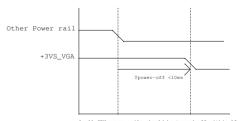
Hot plug detect for IFP link E

VGA and GDDR5 Voltage Rails (N13Px GPIO)

			` `	•
GPIO	I/O	ACTIVE	Function Description	
GPIO0	OUT	-	FB_CLAMP	_
GPIO1	OUT	-		
GPIO2	OUT	_	VGA_BL_PWM	
GPIO3	OUT	-	VGA_ENVDD	
GPIO4	OUT	-	VGA_ENBKL	
GPIO5	OUT	-		
GPIO6	OUT	-	FB_CLAMP_TOGGLE_REQ#	
GPIO7	OUT	-		
GPIO8	I/O	-	OVERT#	
GPIO9	OUT	-	VGA_ALERT#	
GPIO10	OUT	-	Memory VREF Control	_
GPIO11	OUT	-	NVVDD PWM_VID	
GPIO12	IN		VGA_AC_DET_R	(10K pull High)
GPIO13	OUT	-	DPRSLPVR_VGA	
GPIO14	OUT	-		
GPIO15	IN	N/A		
GPIO16	OUT	-		
GPIO17	IN	N/A		
GPIO18	IN	-	dGPU_HDMI_HPD	
GPIO19	IN	_		



1. all power rail ramp up time should be larger than 40us



1.all GPU power rails should be turned off within 10ms 2. Optimus system VDD33 avoids drop down earlier than NVDD and FBVDDQ $\,$

Performance Mode P0 TDP at Tj = 102 C* (GDDR5)

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	GPU (4)	Mem (1,5)	NVCLK /MCLK		NVVDD	,	FB\ (1.3	/DD 5V)	FBVE (GPU (1.35)	+Mem)	PCI E (1.05) (6)	xpress V)	I/O an PLLV (1.8V)	DD	I/O an PLLV (1.05)	DD_	Oth (3.3	-
Products	(W)	(W)	(MHz)	(V)	(A)	(W)	(A)	(W)	(A)	(W)	(mA)	(W)	(mA)	(W)	(mA)	(W)	(mA)	(W)
N13X 128bit 1GB GDDR5	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Physical		Logical	Logical	Logical	Logical
Strapping pin	Power Rail	Strapping Bit3	Strapping Bit2	Strapping Bit1	Strapping Bit0
ROM_SCLK	+3VS_VGA	PCI_DEVID[4]	SUB_VENDOR	SLOT_CLK_CFG	PEX_PLL_EN_TERM
ROM_SI	+3VS_VGA	RAM_CFG[3]	RAM_CFG[2]	RAM_CFG[1]	RAM_CFG[0]
ROM_SO	+3VS_VGA	FB[1]	FB[0]	SMB_ALT_ADDR	VGA_DEVICE
STRAP0	+3VS_VGA	USER[3]	USER[2]	USER[1]	USER[0]
STRAP1	+3VS_VGA	3GIO_PAD_CFG_ADR[3]	3GIO_PAD_CFG_ADR[2]	3GIO_PAD_CFG_ADR[1]	3GIO_PAD_CFG_ADR[0]
STRAP2	+3VS_VGA	PCI_DEVID[3]	PCI_DEVID[2]	PCI_DEVID[1]	PCI_DEVID[0]
STRAP3	+3VS_VGA	SOR3_EXPOSED	SOR2_EXPOSED	SOR1_EXPOSED	SORO_EXPOSED
STRAP4	+3VS_VGA	RESERVED	PCIE_SPEED_ CHANGE_GEN3	PCIE_MAX_SPEED	DP_PLL_VDD33V

	Device ID
N13P-GT (28nm)	0x0FDB

		·
	setting	I2C Slave addrees ID
SMB_ALT_ADDR (ROM_SO Bit 1)	0	0×9E
	1	0x9C

GPU	ROM_SO	ROM_SCLK	STRAP0	STRAP1	STRAP2	STRAP3	STRAP4
		PU 25K	PU 45K	PD 35K	PD 10K	PU 5K	PD 10K
N13P-GT1 28nm	PU 20K	PU 25K	PU 45K	PD 35K	PD 10K	PD 5K	PD 10K

	GPU	N13P-GT	
FB Mem	ory (GDDR5)	ROM_SI	
Samsung 2500MHz	K4G10325FG-HC04		
2500MH2	32Mx32	PD 45K	
Hynix 2500MHz	H5GQ1H24BFR-T2C		
2500MH2	32Mx32	PD 35K	
Samsung 2500MHz	K4G20325FD-FC04		
2500MH2	64M×32	PD 30K	
Hynix 2500MHz	H5GQ2H24MFR-T2C		
2500MHZ	64Mx32	PD 25K	

Master Slave

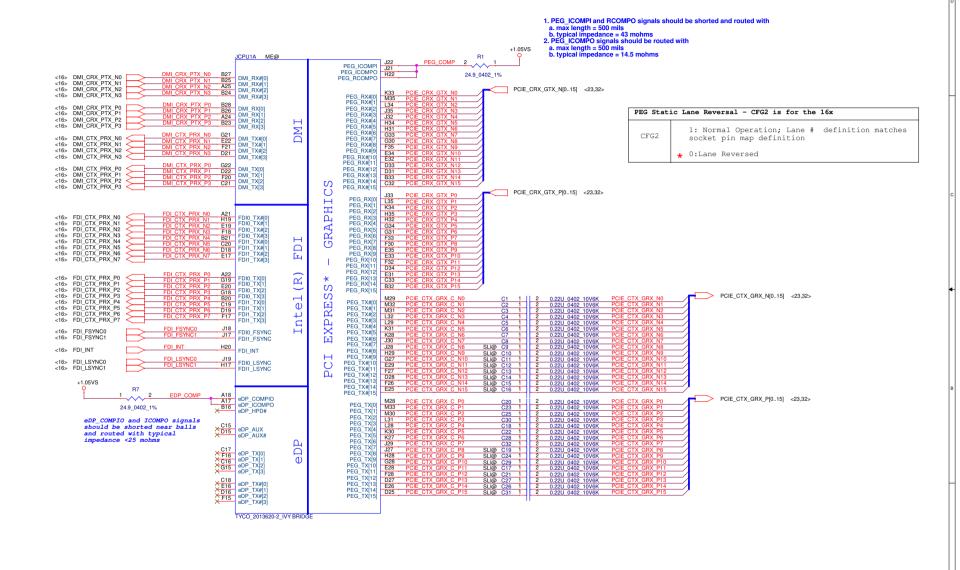
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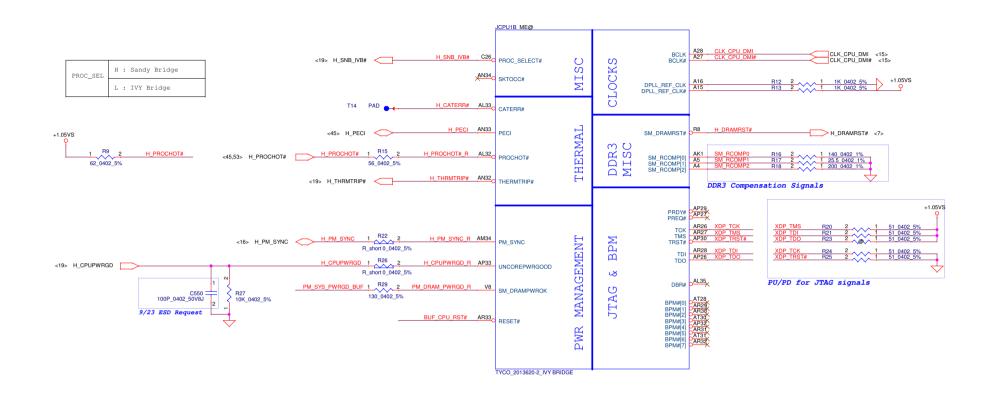
VGA NOTES LIST

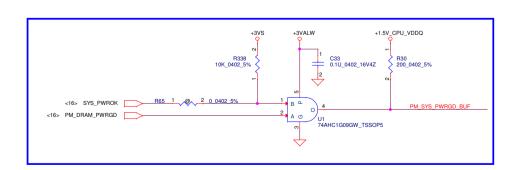
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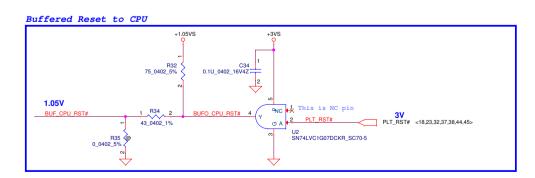
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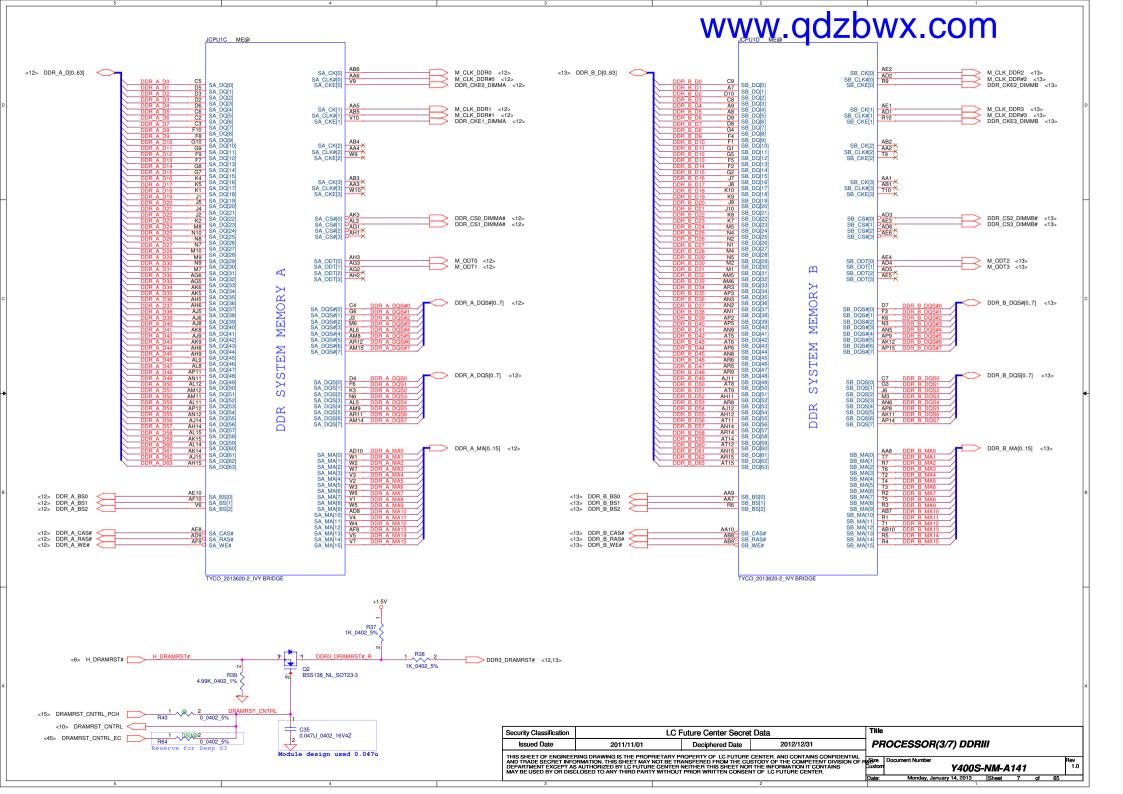
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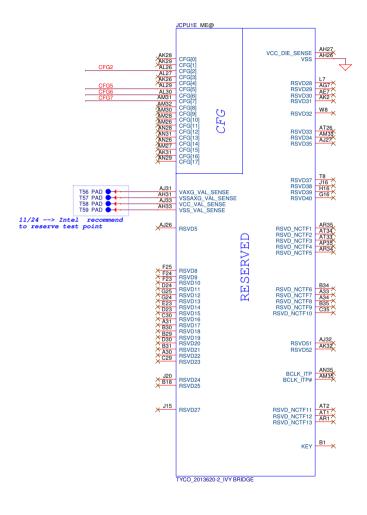




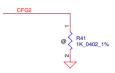


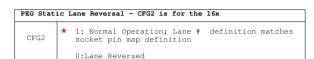
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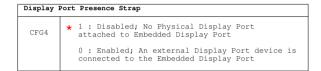


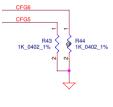


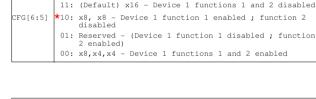
CFG Straps for Processor



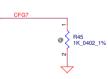






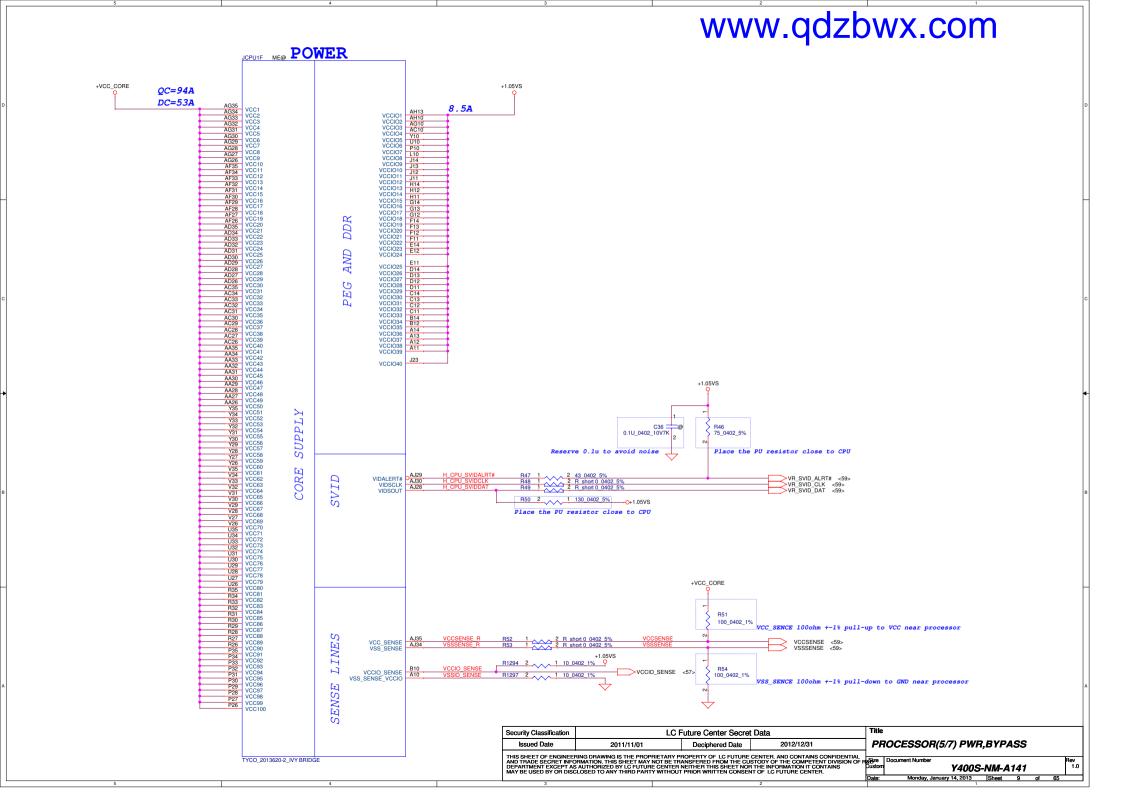


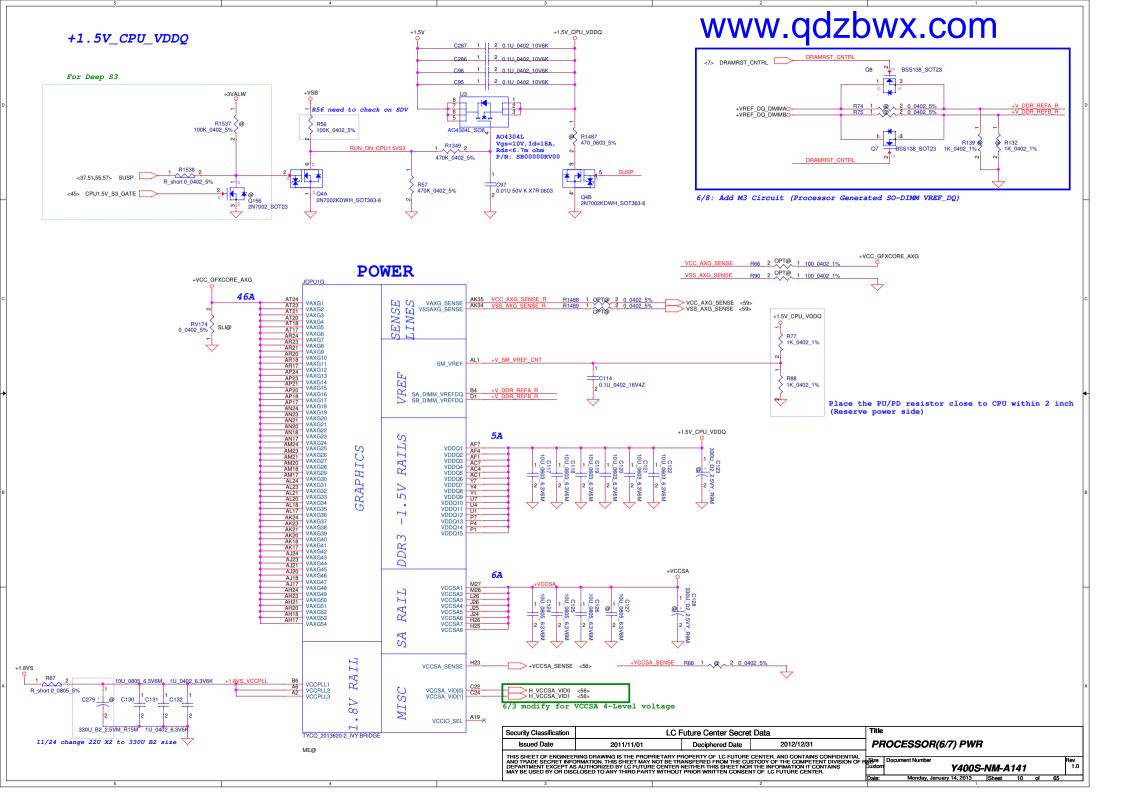
PCIE Port Bifurcation Straps

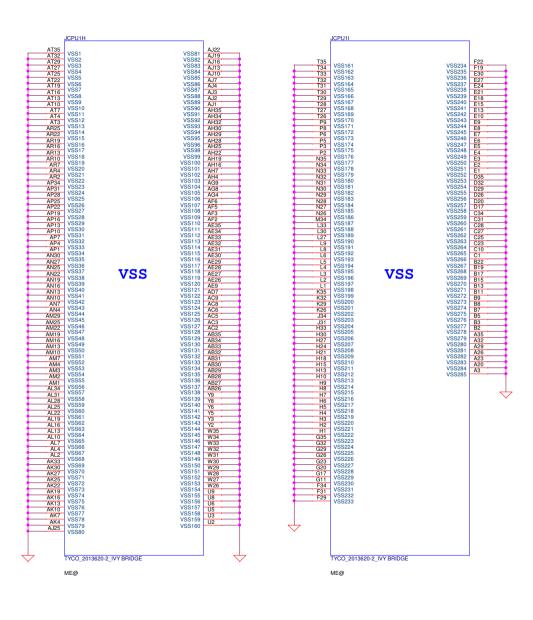


PEG DEFE	R TRAINING
CFG7	1: (Default) PEG Train immediately following $\ensuremath{xxRESETB}$ de assertion
	0: PEG Wait for BIOS for training

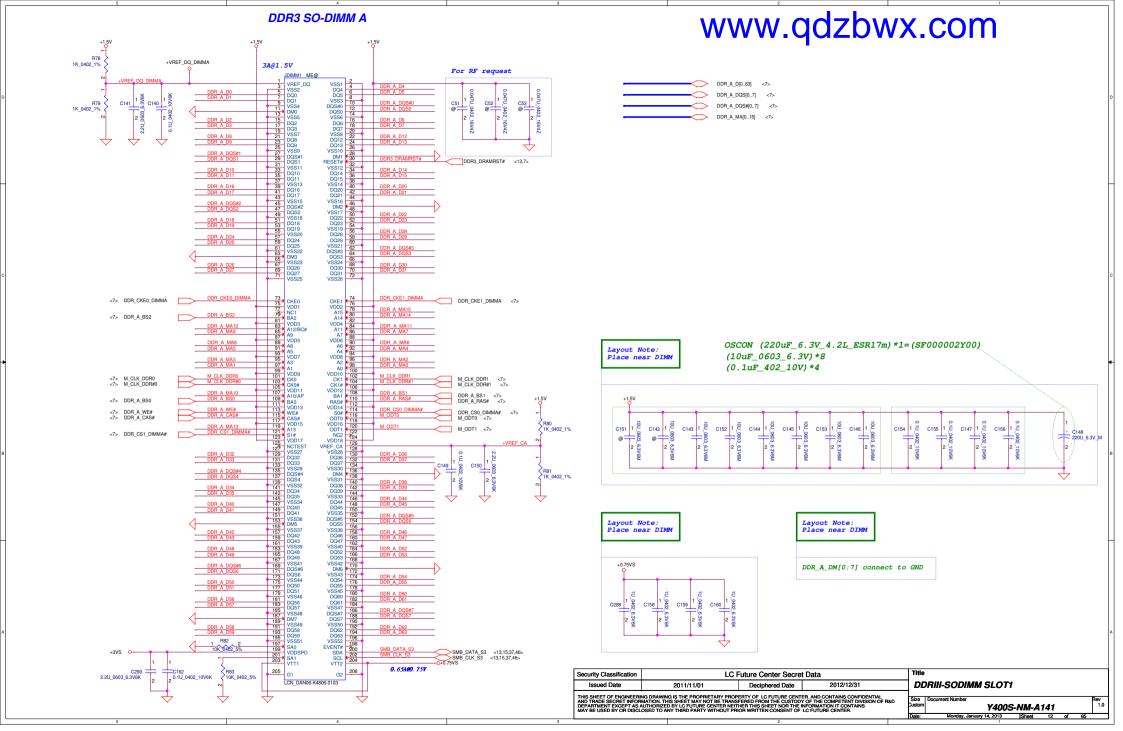
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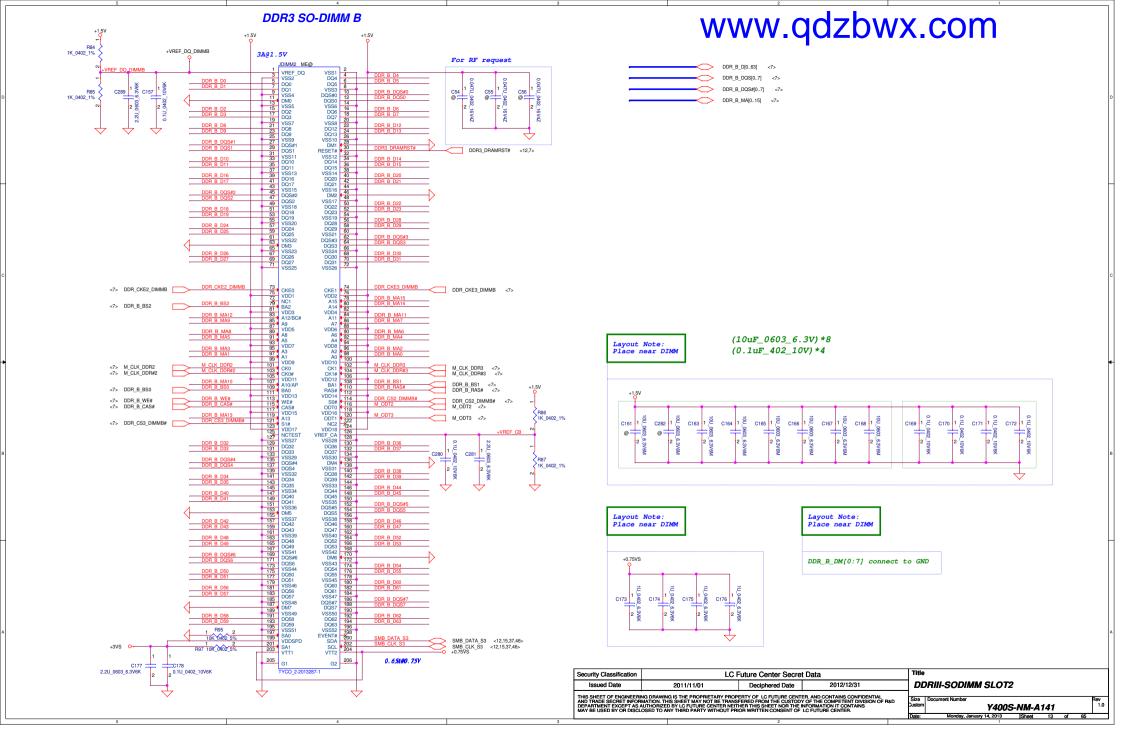


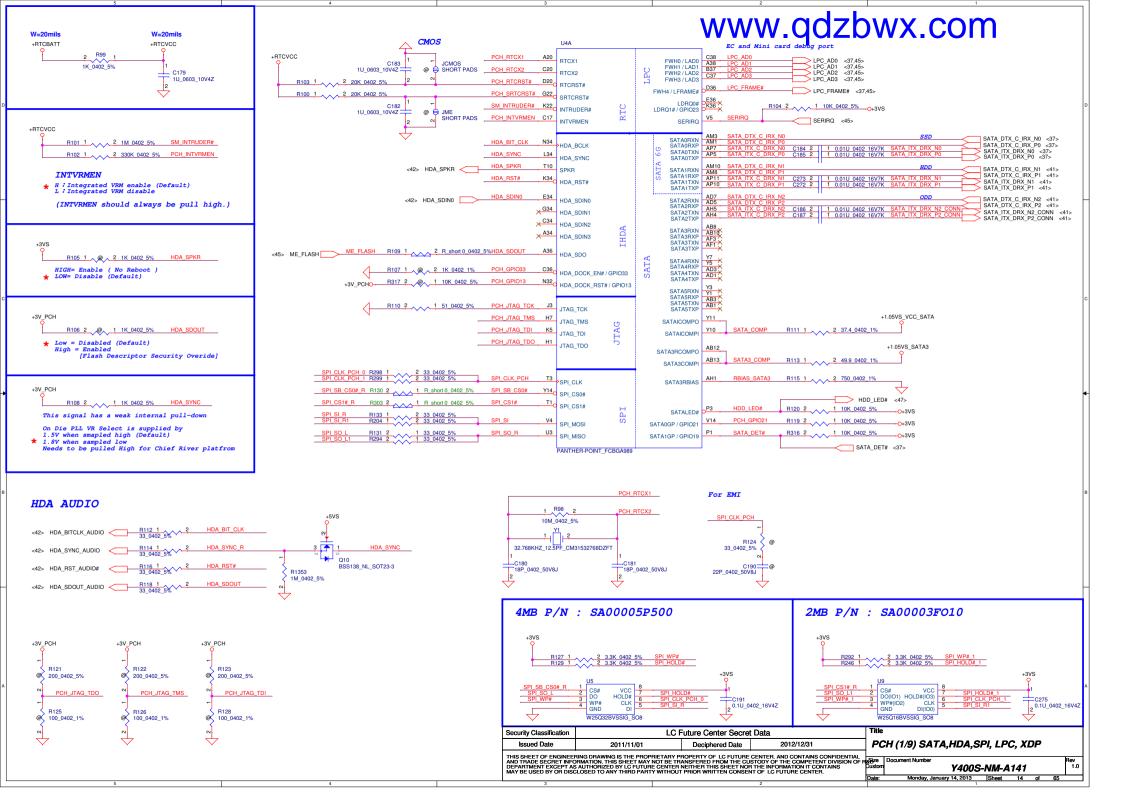


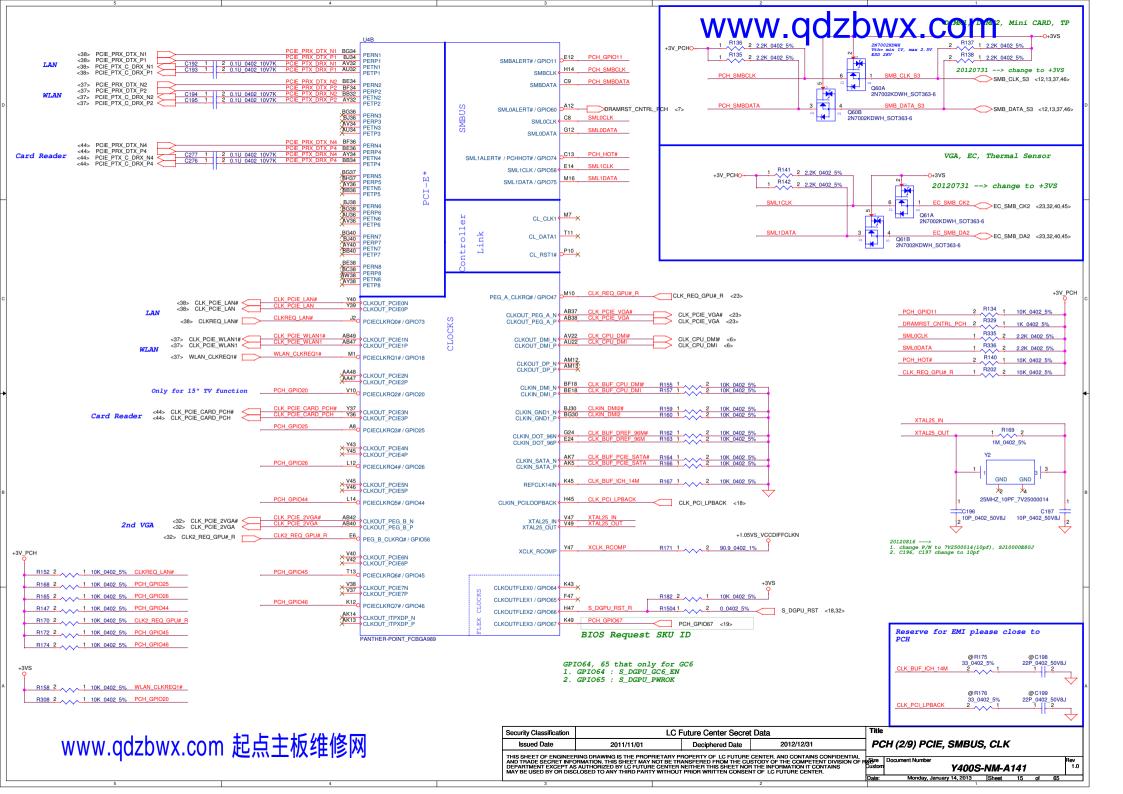


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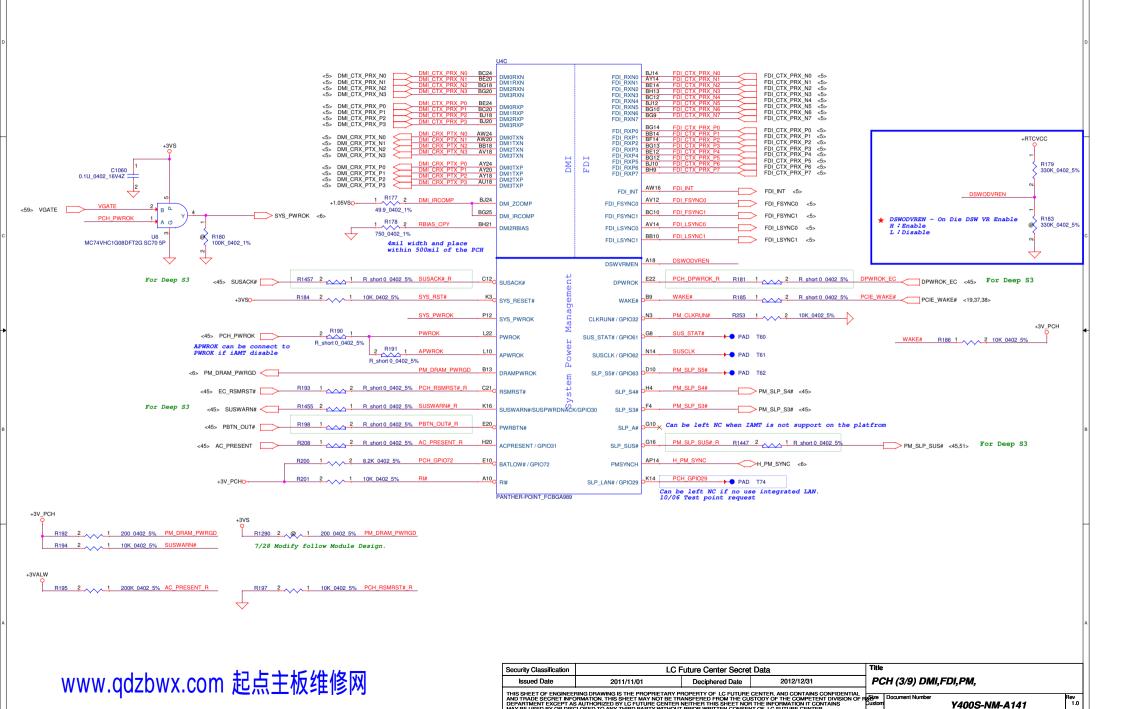


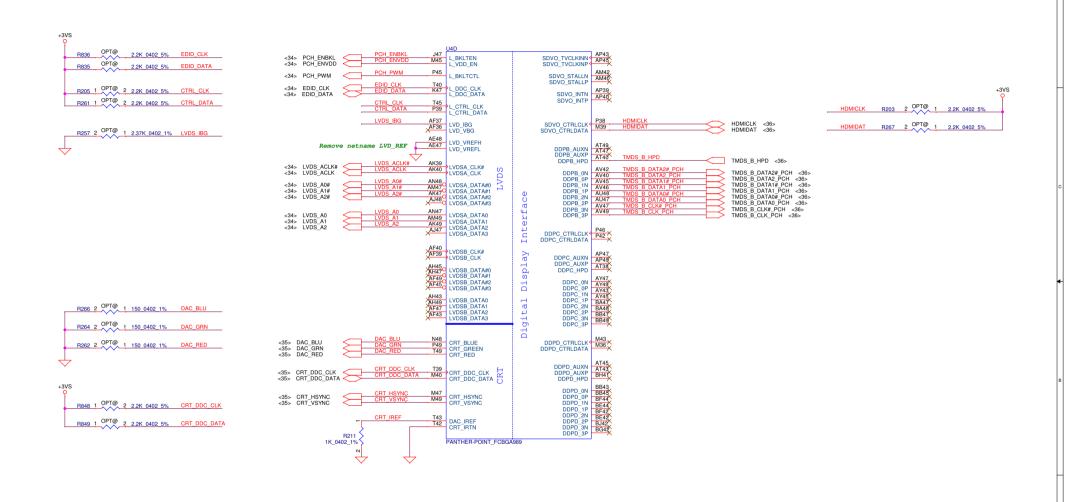




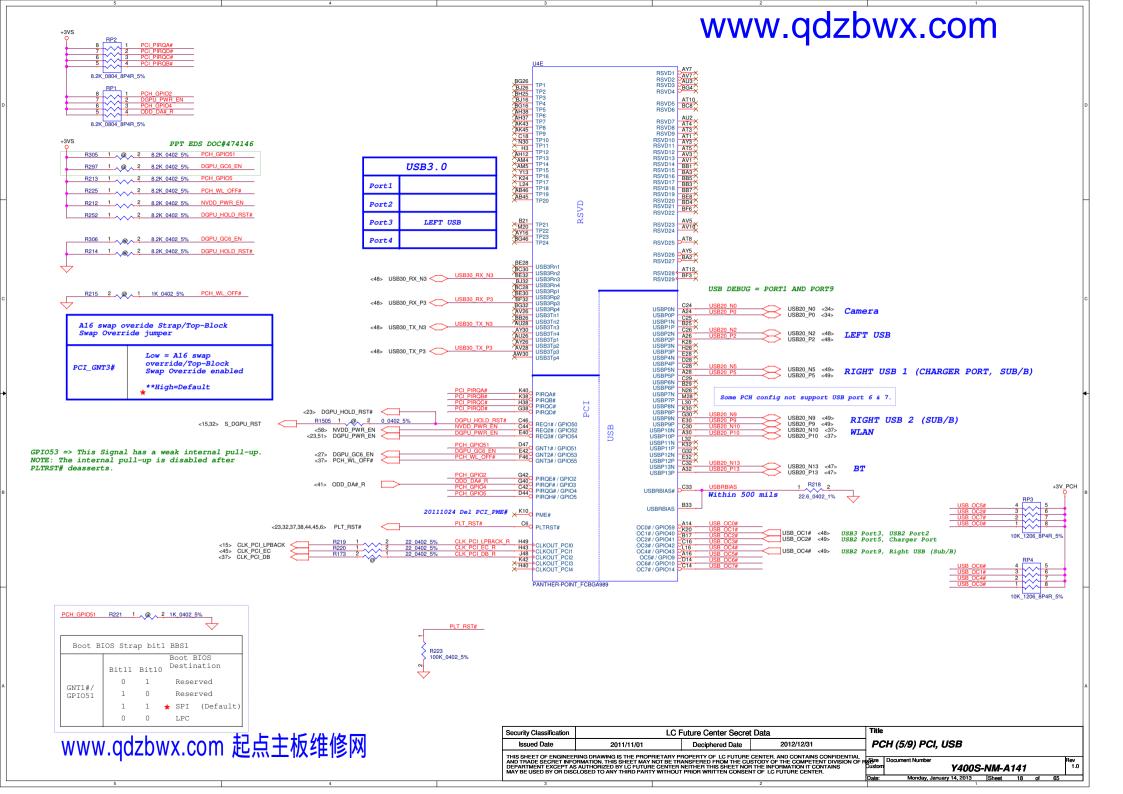


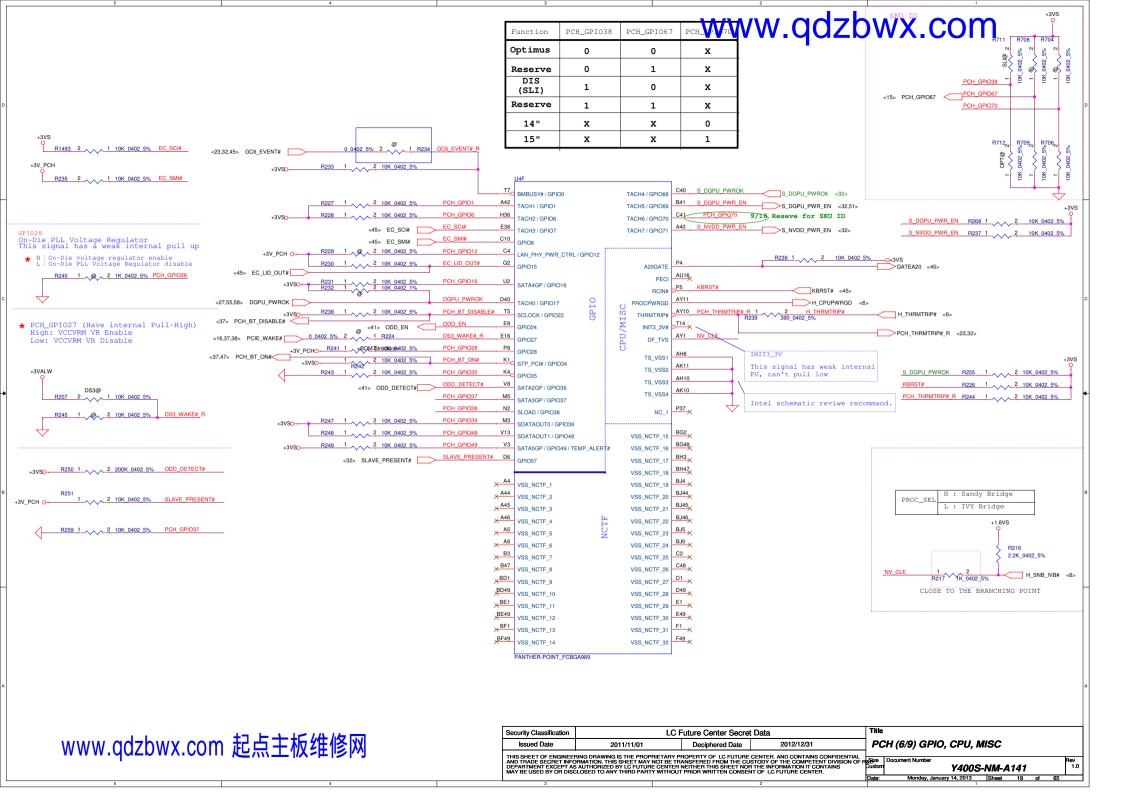
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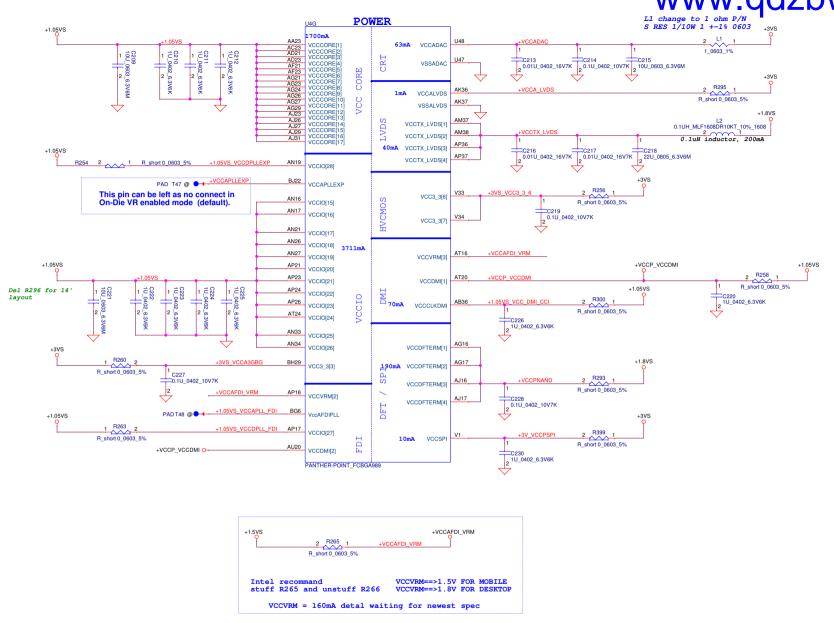




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PCH Power Rail Table Refer to CPU EDS R1.5

Reier	to CPU EDS	5 KI.5
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	0.228
VccADAC	3.3	0.063
VccADPLLA	1.05	0.08
VccADPLLB	1.05	0.08
VccCore	1.05	1.7
VccDMI	1.05	0.047
VccIO	1.05	3.711
VccASW	1.05	0.903
VccSPI	3.3	0.01
VccDSW	3.3	0.001
VccDFTERM	1.8	0.002
VccRTC	3.3	6 uA
VccSus3_3	3.3	0.095
VccSusHDA	3.3 / 1.5	0.01
VccVRM	1.8 / 1.5	0.167
VccCLKDMI	1.05	0.07
VccSSC	1.05	0.095
VccDIFFCLKN	1.05	0.055
VccALVDS	3.3	0.001
VccTX_LVDS	1.8	0.04

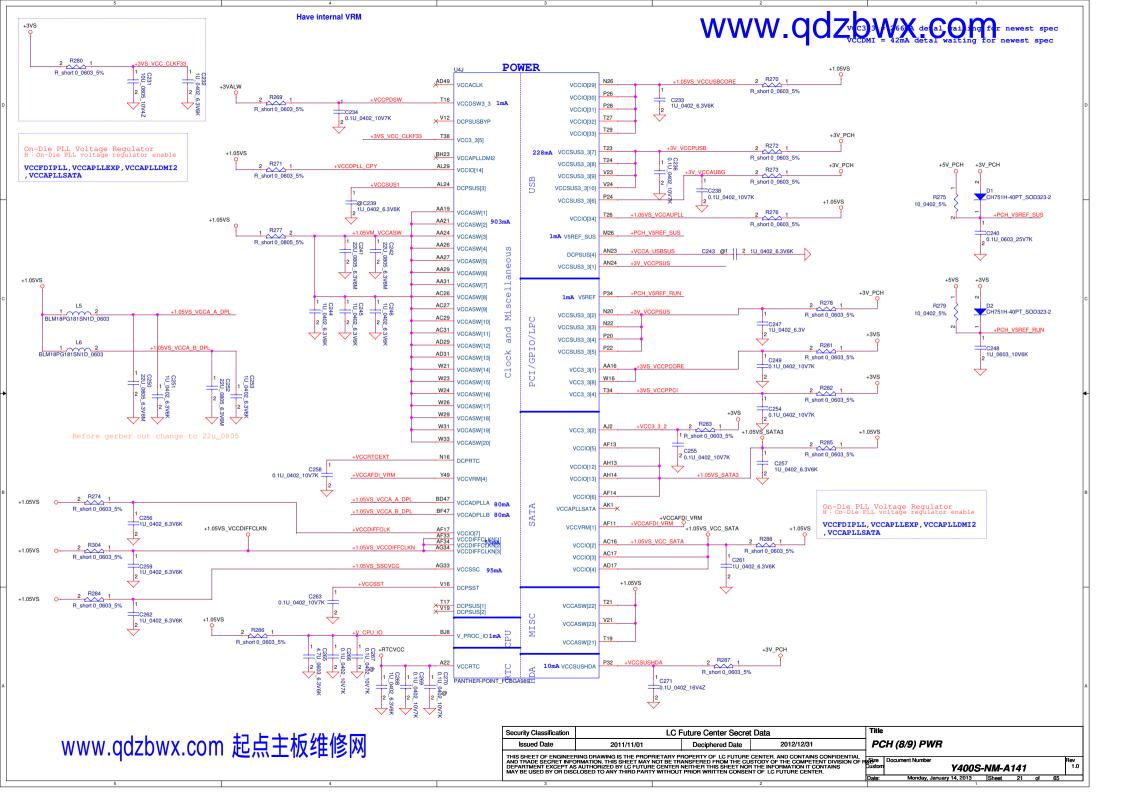
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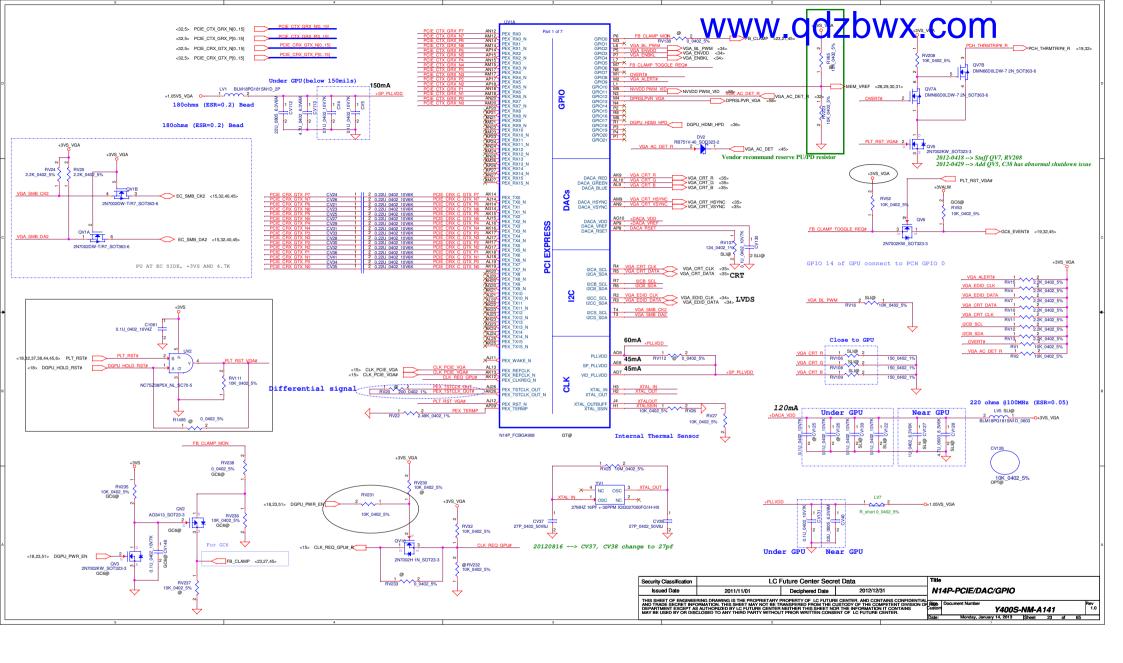
PCH (7/9) PWR

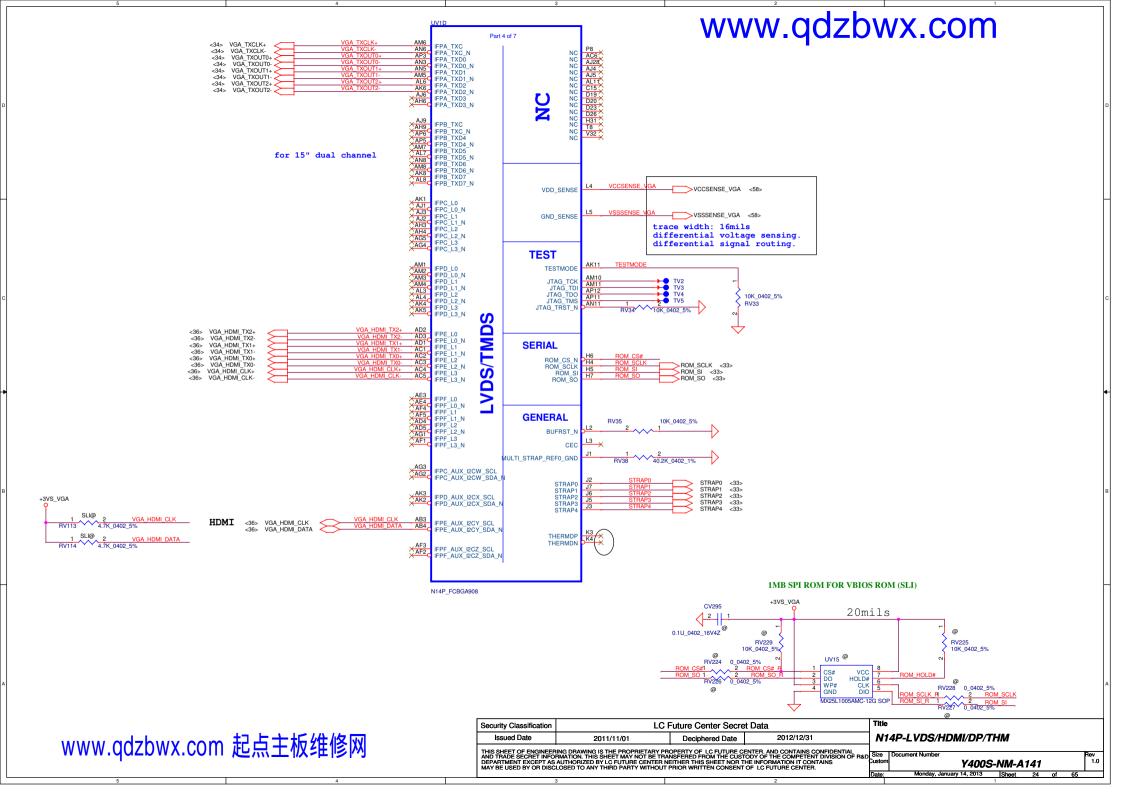
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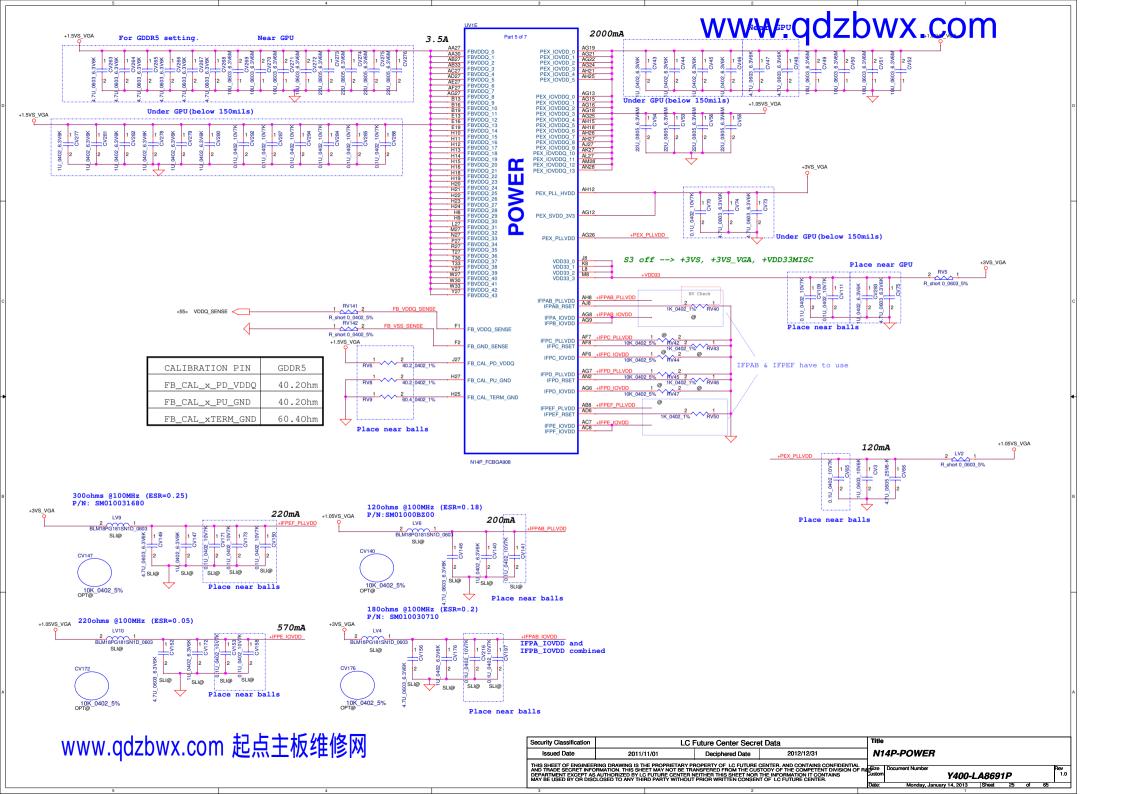
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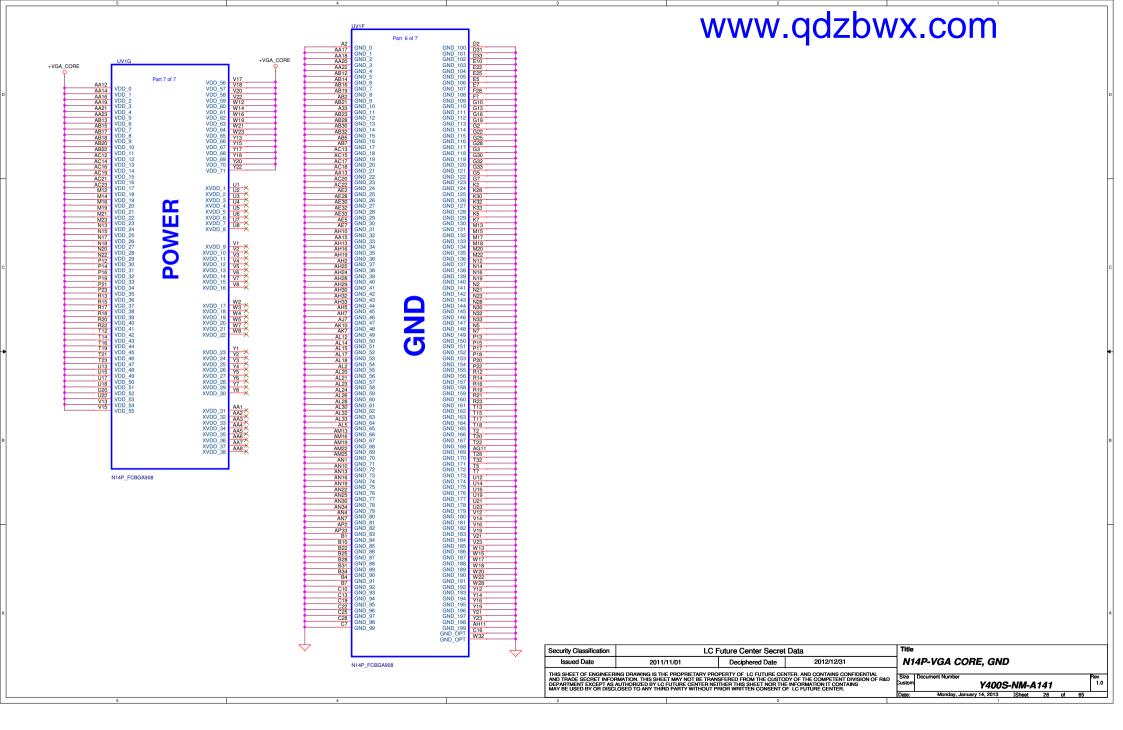


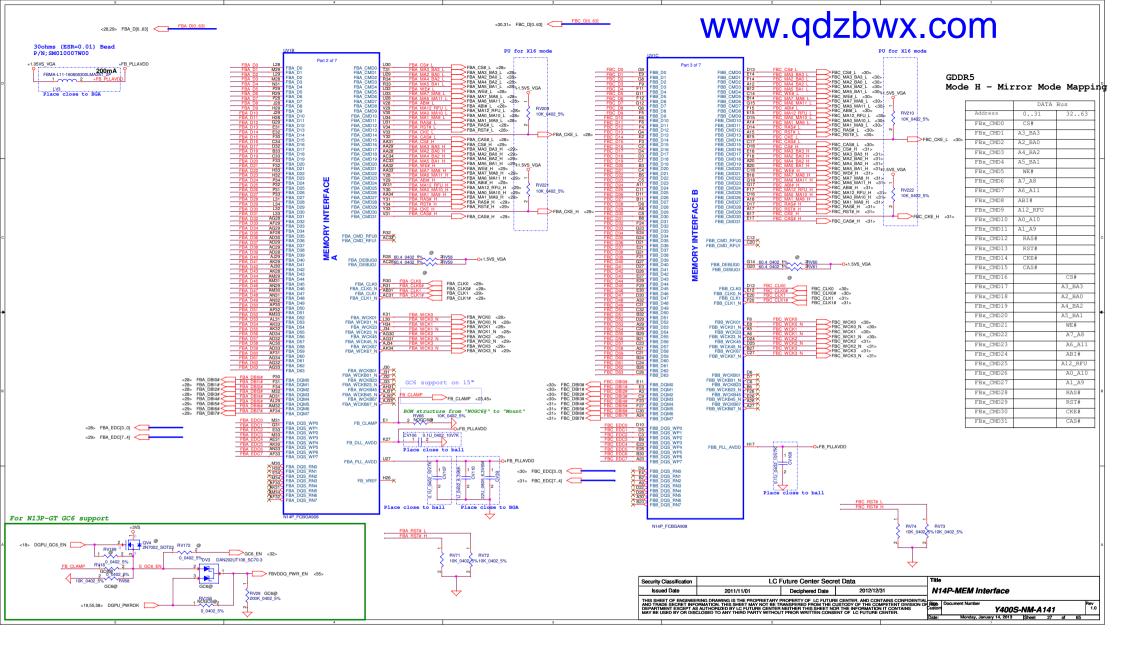
www.qdzbwx.com VSS[0] AA17 VSSI00 AMAG VSSI01 AMAG VSSI02 AK6 VSSI03 AK6 VSSI04 AK6 VSSI05 AK16 VSSI06 AL16 VSSI07 AL17 VSSI08 AL2 VSSI09 AL2 VSSI09 AL2 VSSI09 AL2 VSSI01 AL2 VSSI02 AL3 VSSI03 AL3 VSSI04 AL3 VSSI05 AM4 VSSI06 AM4 VSSI07 AM7 VSSI08 AM3 VSSI09 AM3 VSSI00 AM4 VSSI01 AM4 VSSI01 AM4 VSSI01 AM4 VSSI01 AM4 VSSI01 AM7 VSSI01 AM7 VSSI01 AM7 VSSI01 AM7 VSSI02 AM7 VSSI03 AM7 L28 L36 L48 M12 P16 M18 M22 M24 M30 M32 M34 M38 BB20 BB22 BB24 Y42 Y46 Y8 BG29 N24 AJ3 AD47 B43 BE10 BG41 G14 H16 T36 BG22 BG24 C22 BG24 C22 BG24 C22 BG24 C3 BG26 BG26 BE16 BE16 BE16 BC28 PANTHER-POINT_FCBGA989 PANTHER-POINT FCBGA989 Security Classification LC Future Center Secret Data www.qdzbwx.com 起点主板维修网 2011/11/01 PCH (9/9) VSS 2012/12/31 Rev 1.0 Y400S-NM-A141

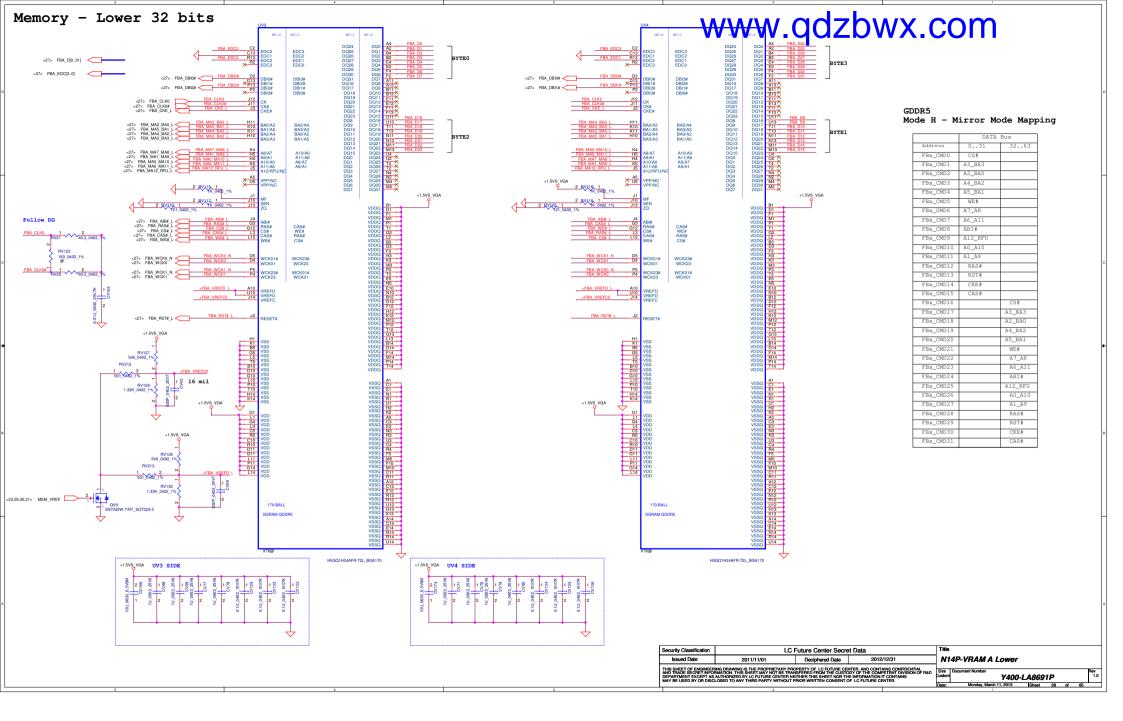


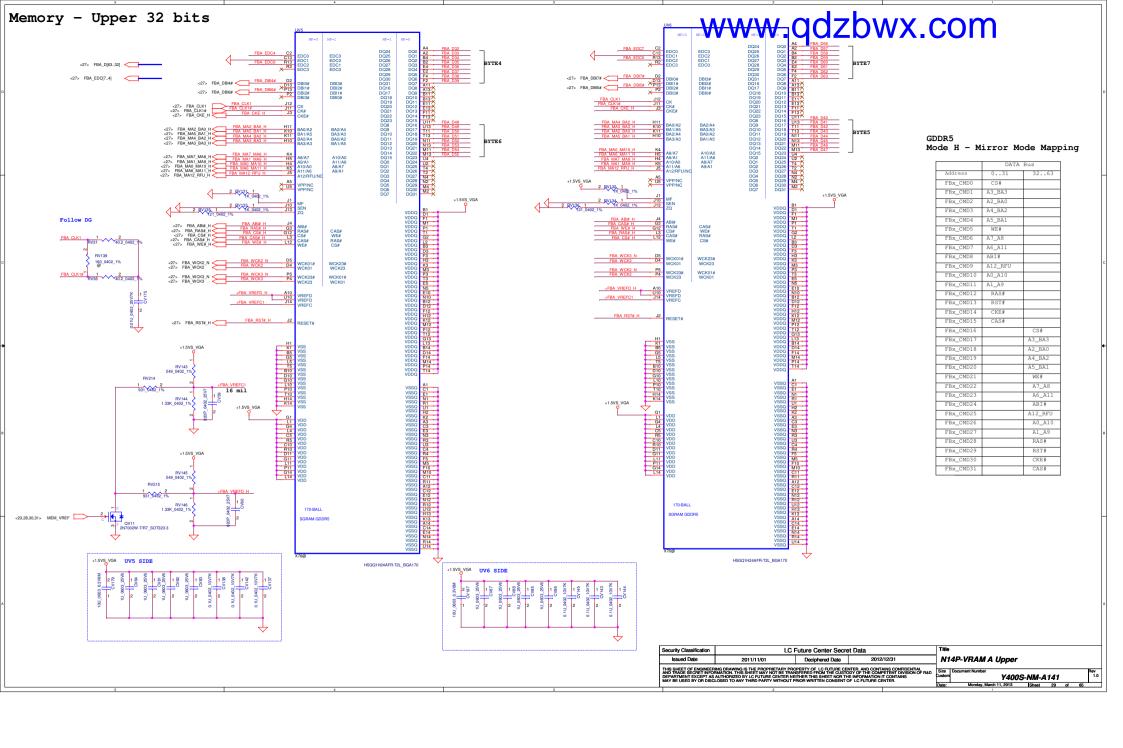


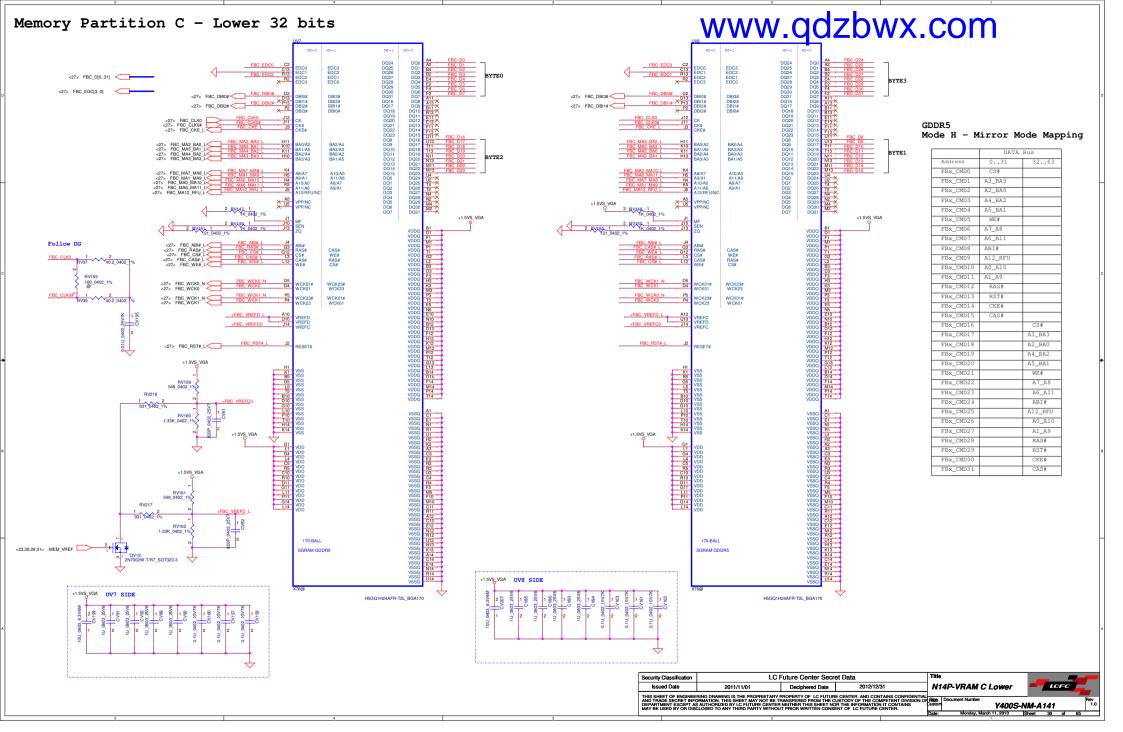


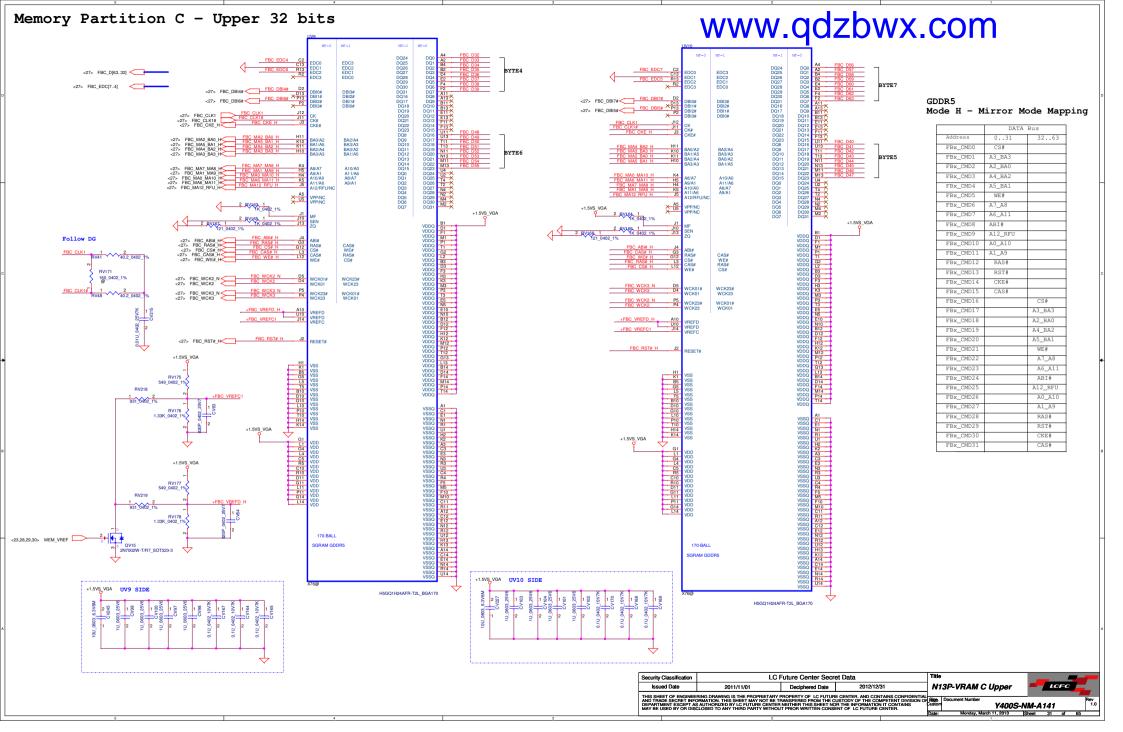




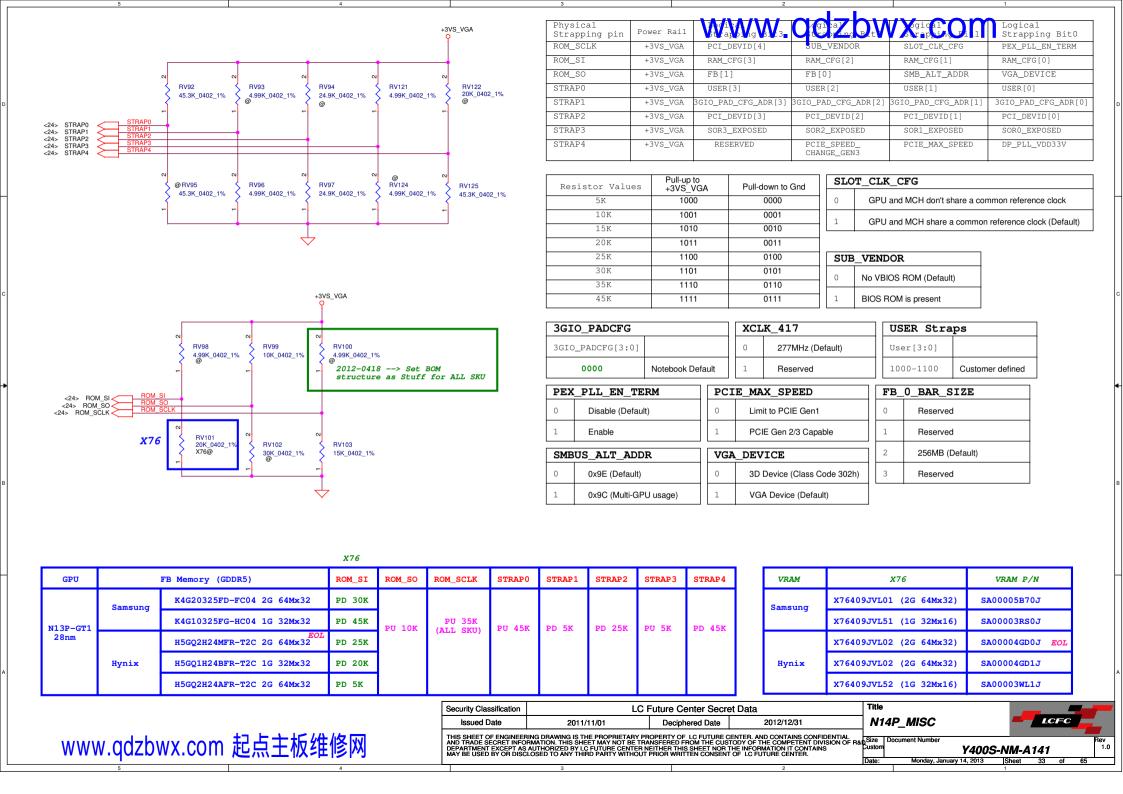


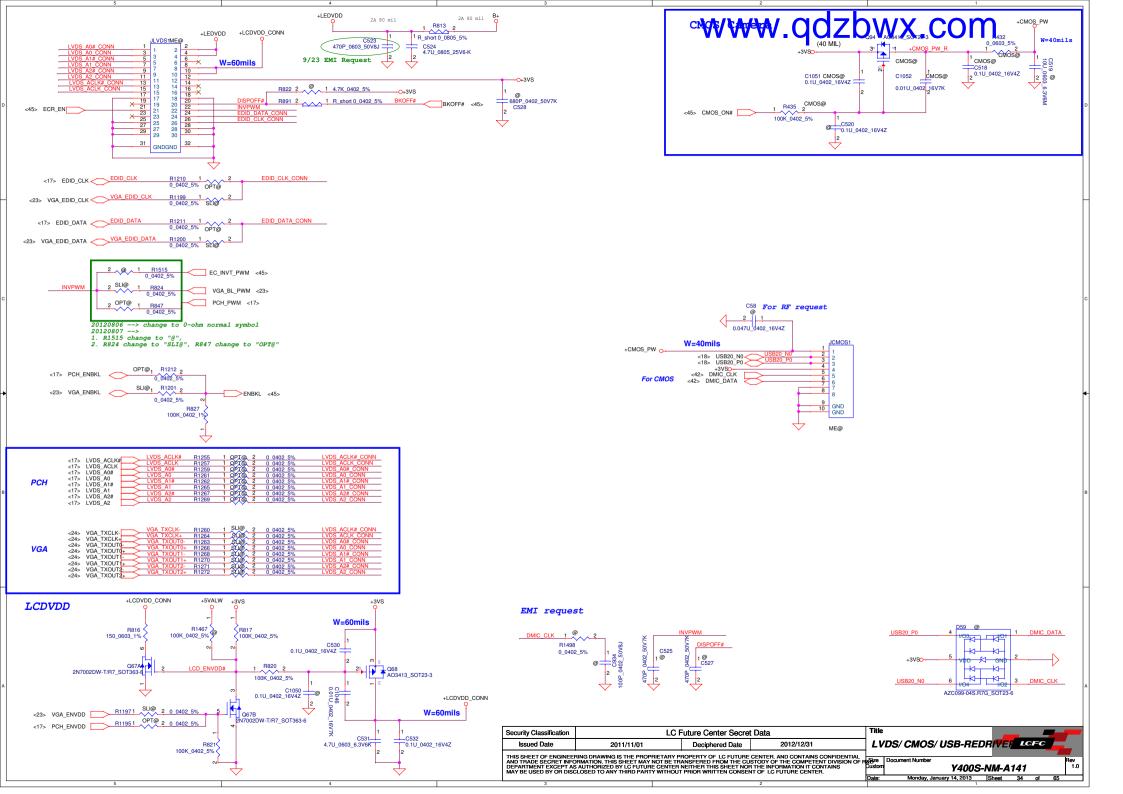


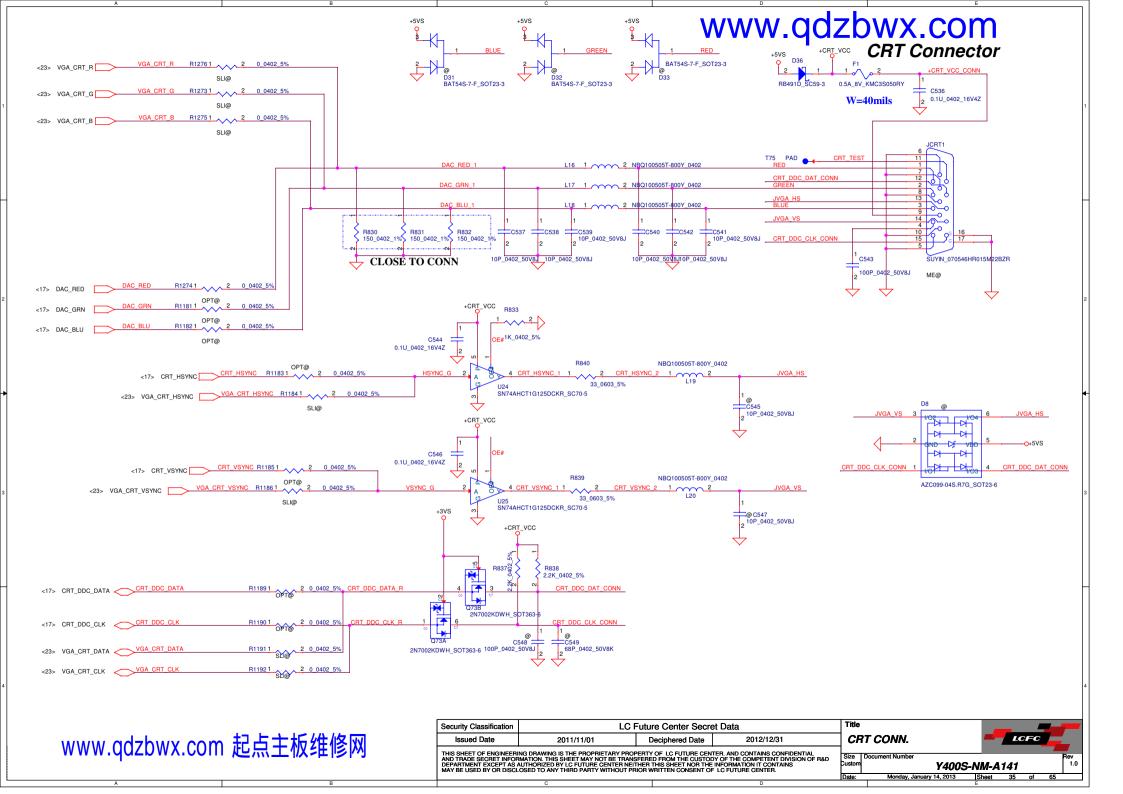


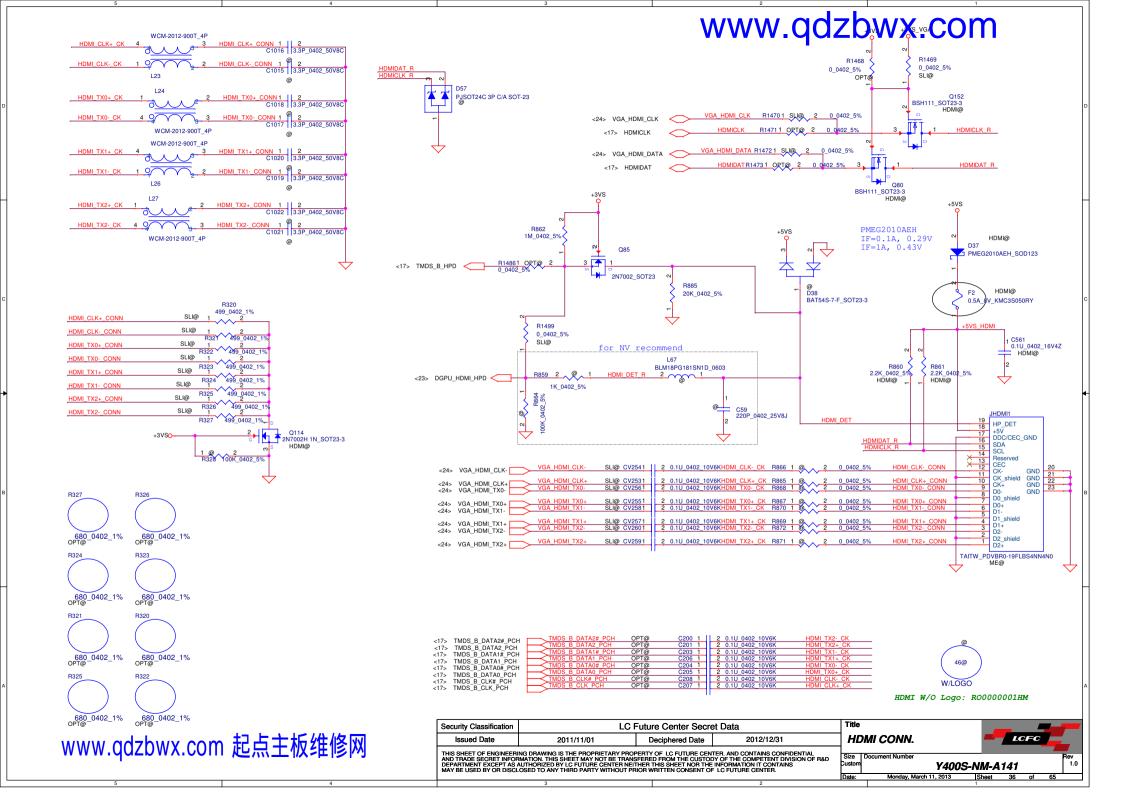


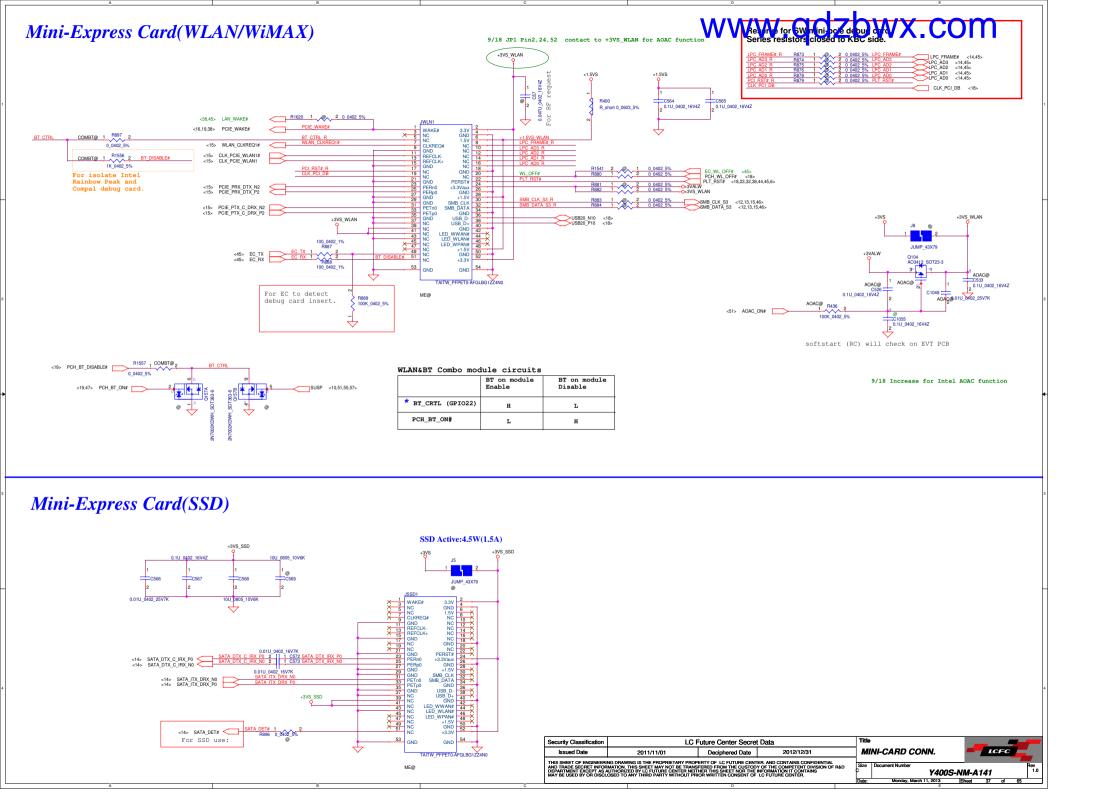
www.qdzbwx.com <23,5> PCIE CTX GRX N[0..15] 11/11 for 2nd VGA fan need to notic EC <23,5> PCIE_CTX_GRX_P[0..15] <23,5> PCIE_CRX_GTX_N[0..15] B+ SH follow MXM 3.0 spec GND GND GND GND H19V +19V +19V +19V +19V +19V +19V +19V 17 19 19 21 PEG_RX_N7 PEG_RX_P7 23 GND 25 PEG_RX_P6 29 PEG_RX_P6 31 GND 33 GND 35 PEG_RX_N5 37 PEG_RX_N5 99 PEG_RX_N6 43 PEG_RX_N4 44 PEG_RX_N4 44 PEG_RX_N4 PEG_RX_N4 45 GND X NA +19V 24 GND 28 GND 30 GND 32 GND 34 GND 36 GND 38 +5V 40 +5V 42 +5V 44 +5V 46 GND 50 GND 50 GND 50 GND 38 45 GND 47 PEG RX N3 49 PEG RX P3 51 GND 53 PEG RX N2 PEG RX N2 PEG RX P2 55 | PEG_RX_P2 57 | GND, RX_N1 57 | GND, RX_N1 61 | PEG_RX_P1 63 | PEG_RX_P1 65 | PEG_RX_P0 65 | O +3VS SLI +3V +3V GND NC NC NC NC O +3VS SLI_B+_ON# <52> SLI_5V_ON# <52> SUSP# <45,51,55,57> TH_PWN NC PEX_STD_SW# AC_DC PWR_GOOD PWR_EN CLK_REQ# RSVD RSVD VGA_AC_DET_R <23> S_DGPU_PWROK <19> S_DGPU_PWR_EN# <51> CLK2_REQ_GPU#_R <19> S_NVDD_PWR_EN <19> S_DGPU_RST <15,18> SLAVE_PRESENT# <19> NC TH_OVERT# | GND | PEG_TX_N2 | PEG_TX_P1 | GND | PEG_TX_P1 | GND | PEG_TX_P1 | GND | PEG_TX_N1 | PEG_TX_N1 | PEG_TX_N0 | PEG_TX_N0 | PEG_TX_P0 | GND | GND | PEG_TX_P0 | GND | PEG_TX_P0 | GND | PEG_TX_P0 | GND | GND | PEG_TX_P0 | PEG_TX_P0 | PEG_TX_P0 | PEG_TX_P0 | PEG_TX_P0 | PEG_TX_P0 | PEG_ RV158 1 Q 2 0 0402 5% GC6_EVENT# <19,23,45 CV177 0.01U 0402 25V7K SMB_DAT SMB_CLK WAKE# RSVD RSVD GND EC_SMB_DA2 <15,23,40,45> EC_SMB_CK2 <15,23,40,45> S DGPU PWR EN <19.51> CLK_PCIE_2VGA# <15: CLK_PCIE_2VGA <15> GND GND GC6_EN <27> TE 2199022-1 118P-T Security Classification LC Future Center Secret Data 2012/12/31 2ND VGA CONN. LCFC Issued Date 2011/11/01 Deciphered Date THE SHEET OF ENGINEERING DRAWNING IS THE PROPRIETIANY PROPRETY OF J.C. FUTURE CENTER, AND CONTAINS CONDIDENTIAL AND TRADE SECRET INFORMATION, THIS SHEET TAN HOT DET TABLEFRED FROM THE GUSTON OF THE COMPETENT DIMISION OF RBD DEPARTMENT EXCEPT AS AUTHORIZED BY LC FUTURE CENTER NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OF DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF LC FUTURE CENTER. Y400S-NM-A141

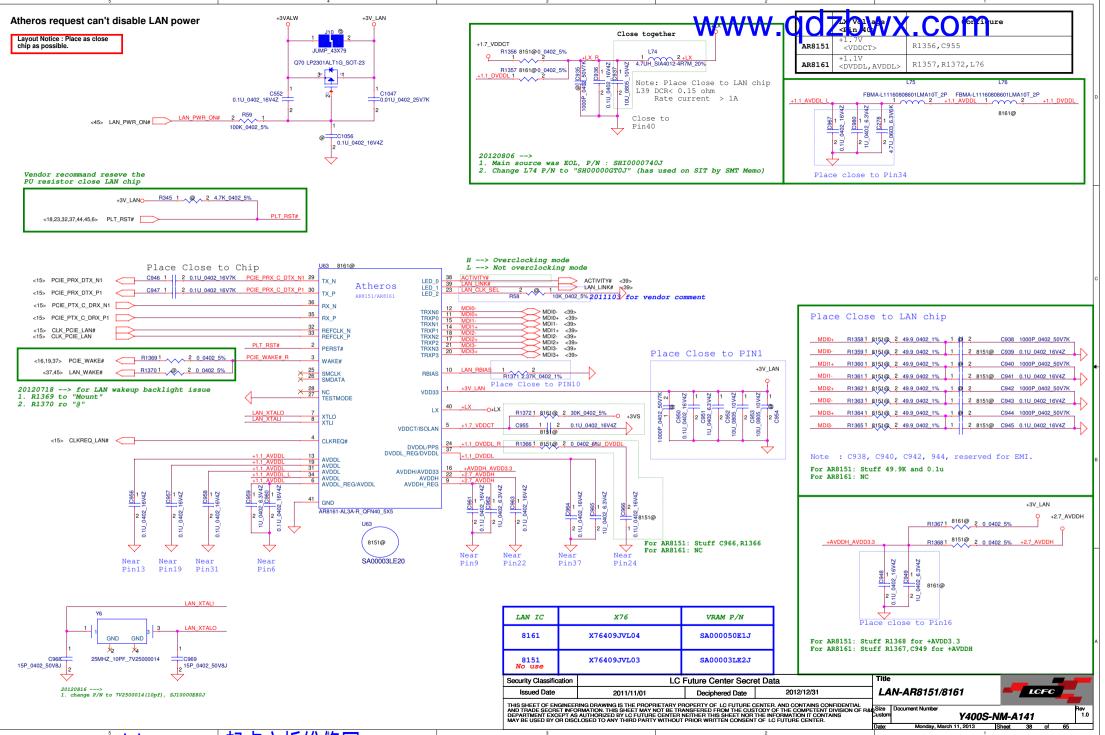




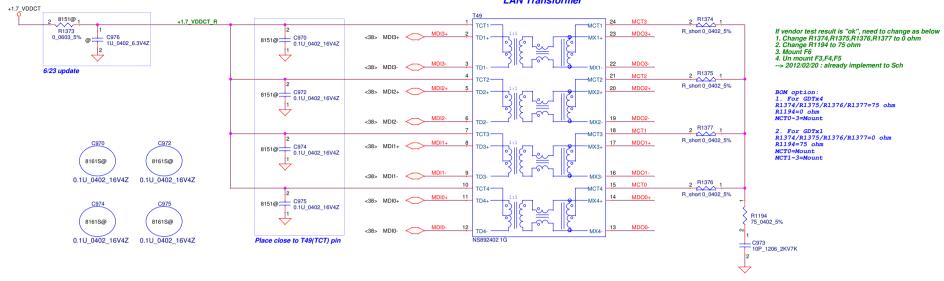




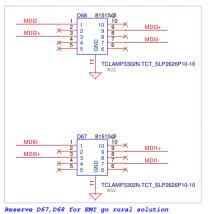




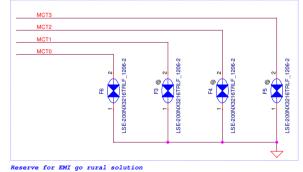
LAN Transformer



Place Close to T49



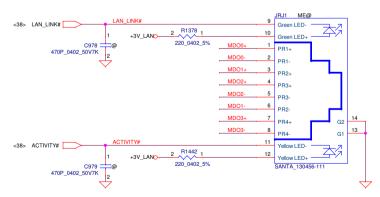
Place Close to T49



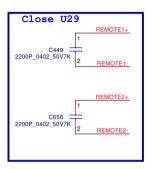
2012-0622 -->

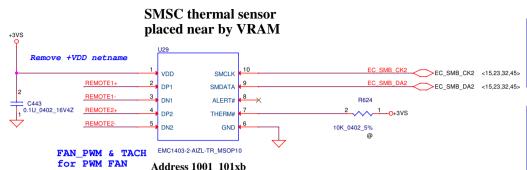
- 1. Change the BOM Structure of LAN SURGE to "@" --> F3, F4, F5
- 2. Del SURGE@ on Y400 BOM, and change the BOM structure of F6 to "Stuff" 20120807 -->
- 1. Change Lan Surge P/N to "SCV00001F0J" to meet DC400V Lenovo spec
- 2. Only change P/N(F3,F4,F5 and F6), not used correct symbol.

LAN Conn.

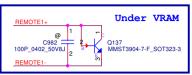


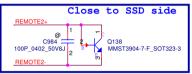
Security Classification	LC F	uture Center Secre	t Data	Title	1		7	
Issued Date	2011/11/01	Deciphered Date	2012/12/31	LA	IN TRANSFORMER		CFC	
AND TRADE SECRET INFO DEPARTMENT EXCEPT AS	RING DRAWING IS THE PROPRIETARY PI RMATION. THIS SHEET MAY NOT BE TR AUTHORIZED BY LC FUTURE CENTER I LOSED TO ANY THIRD PARTY WITHOUT	ANSFERED FROM THE CU NEITHER THIS SHEET NO		Size Custon	14003-1	IM-A141 Sheet 39		Rev 1.0





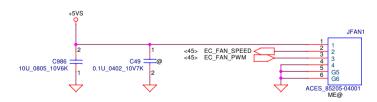
internal pull up 1.2K to 1.5V R for initial thermal shutdown temp





REMOTE2+/-: Trace width/space:10/10 mil Trace length:<8"

FAN1 Conn



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AND TRADE SECRET INFOR	ING DRAWING IS THE PROPRIETARY PROF RMATION. THIS SHEET MAY NOT BE TRANS AUTHORIZED BY LC FUTURE CENTER NEIT	FERED FROM THE CUSTOR	DY OF THE COMPETENT DIVISION OF R&D

LC Future Center Secret Data

Security Classification

Title

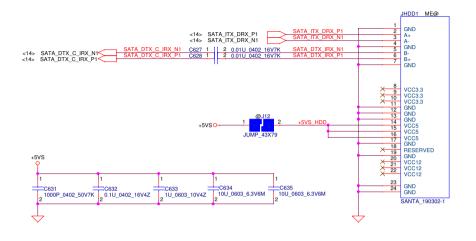
EMC THERMAL SENSOR/FAN XOFFC

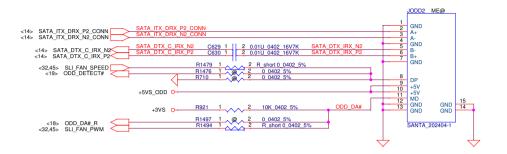
D Size Document Number Y400S-NM-A141

Rev 1.0

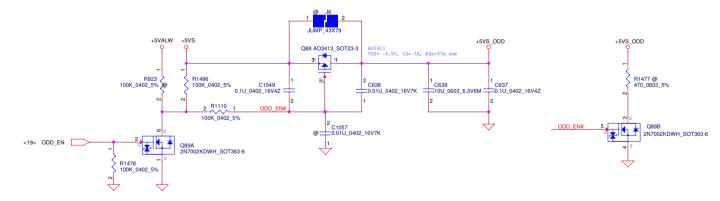
SATA HDD Conn.

SATA ODD Conn.

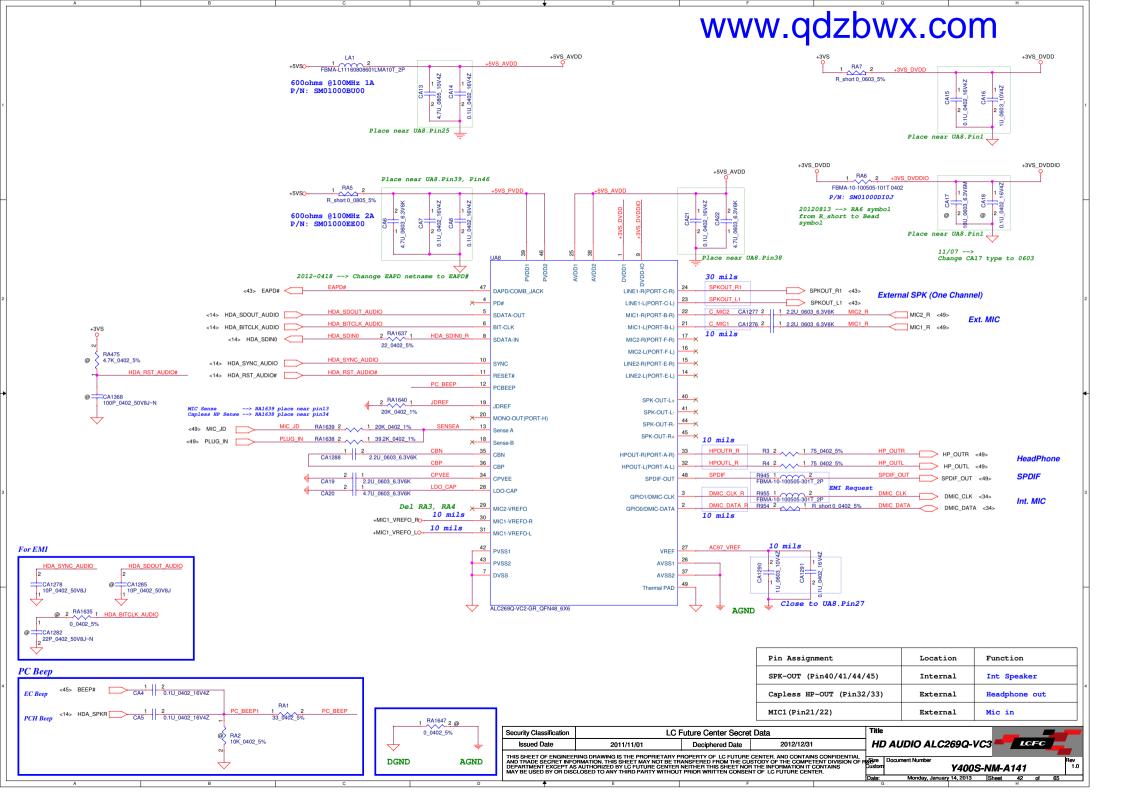


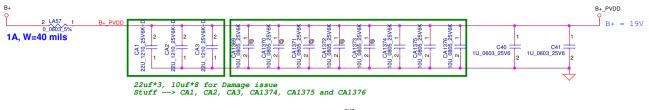


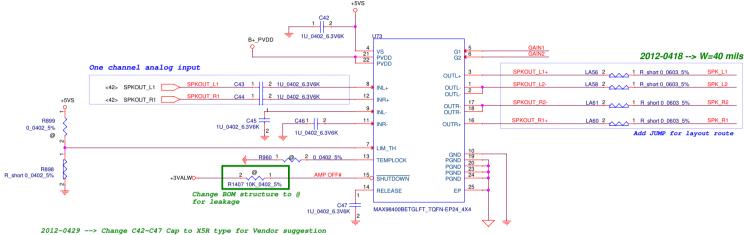
ODD Power Control



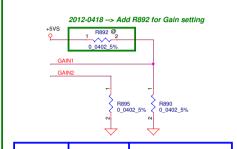
Security Classification	LC F	uture Center Secre	t Data	Title			
Issued Date	2011/11/01	Deciphered Date	2012/12/31	HE	D/ODD CONN.	LCFC	
AND TRADE SECRET INFO DEPARTMENT EXCEPT AS	RING DRAWING IS THE PROPRIETARY P PRIMATION. THIS SHEET MAY NOT BE TR S AUTHORIZED BY LC FUTURE CENTER SLOSED TO ANY THIRD PARTY WITHOUT	ANSFERED FROM THE CU NEITHER THIS SHEET NOF		_e Size Custom	Document Number Y400S-N		Rev 1.0





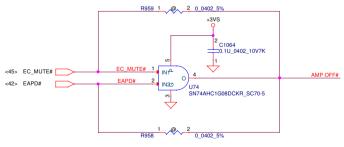


GAIN SETTING

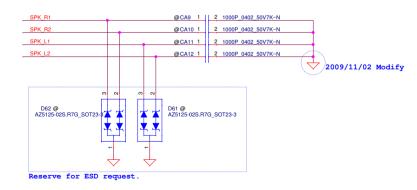


GAIN1	GAIN2	GAIN SETTING (dB)
★ GND	GND	9 (Default)
NC	GND	13
+5VS	GND	16.7
GND	NC	20.1
NC	NC	23.3
+5VS	NC	26.4

2012-0418 --> Set R890 BOM structure as Stuff



2012-0622 --> change these BOM structure for BOBO noise issue 1. R958, R959 --> "UnStuff" $2.\ U74,\ C1064$ --> "Stuff"

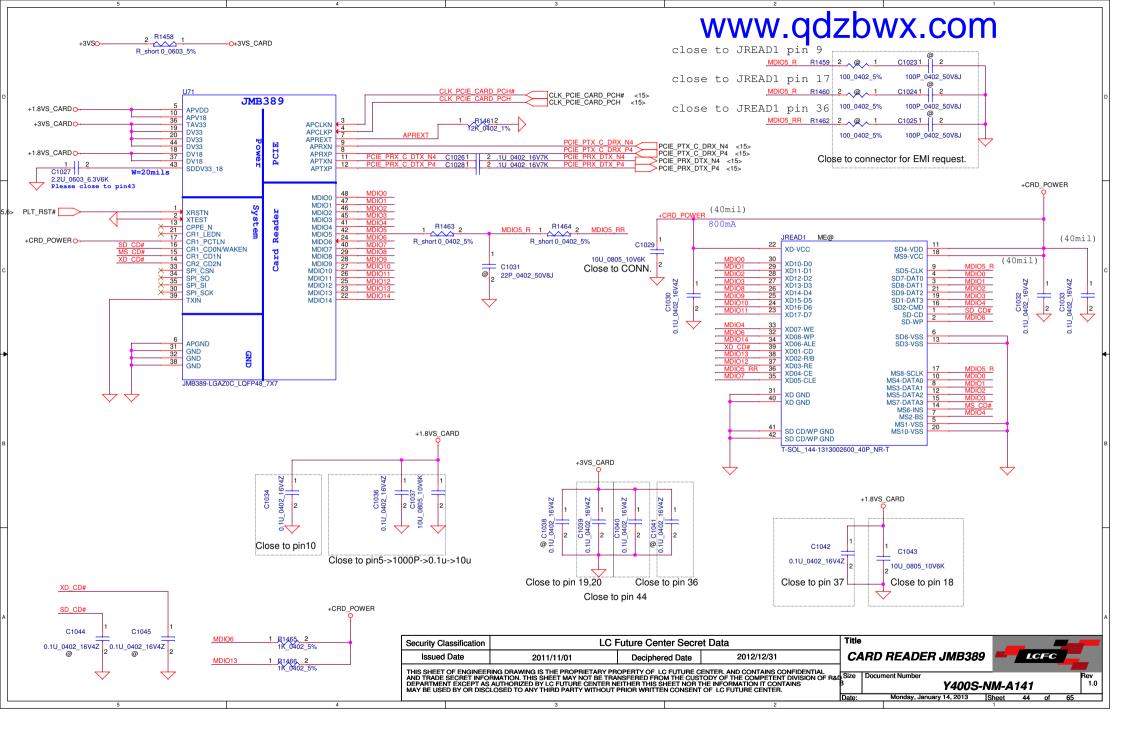


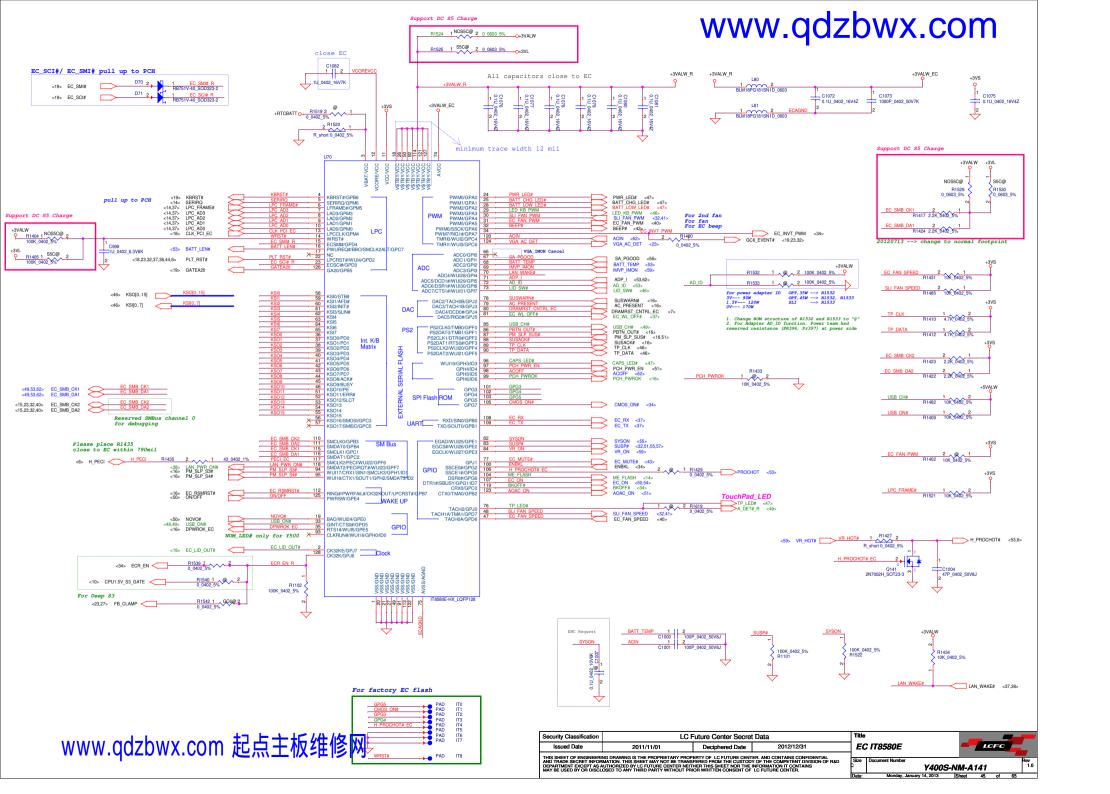


Monday, January 14, 2013 Sheet 43 of

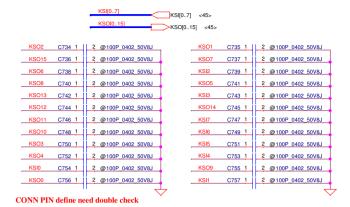
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ſ	Security Classification	LCF	uture Center Secre	t Data	Title	1		_	
	Issued Date	2011/11/01	Deciphered Date	2012/12/31	AMP-MAX98400BETG+T				LC
-	AND TRADE SECRET INFO	RING DRAWING IS THE PROPRIETARY P DRMATION. THIS SHEET MAY NOT BE TR S AUTHORIZED BY LC FUTURE CENTER CLOSED TO ANY THIRD PARTY WITHOUT	ANSFERED FROM THE CU NEITHER THIS SHEET NO		_{&} Sjize Custom	Document Number	Y400S-N	M-A	141

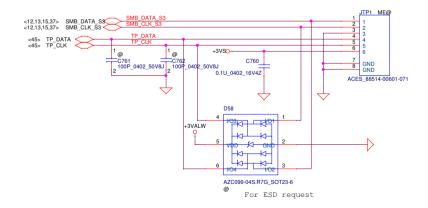




14" INT_KBD Conn.

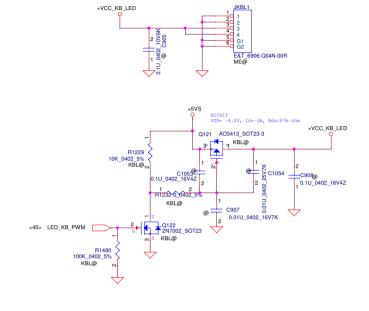


To TP/B Conn.

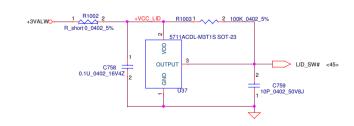


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KB Lighting CONN.4pin

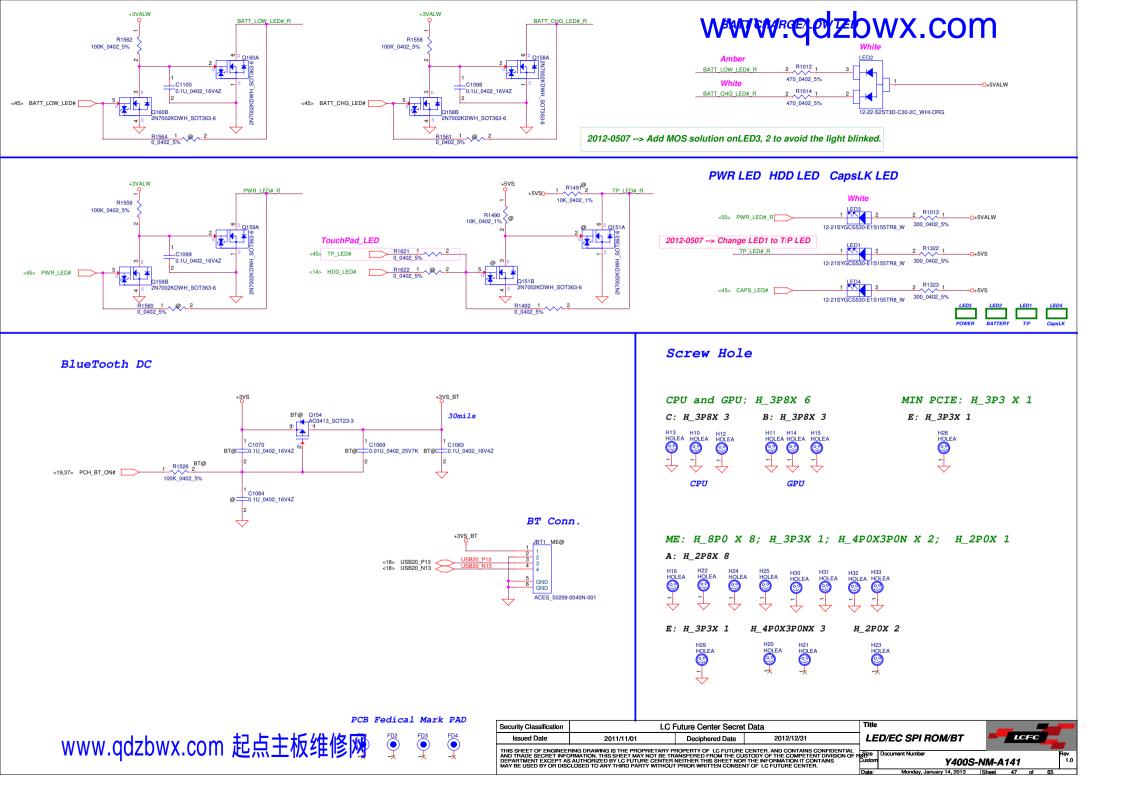


Lid Switch

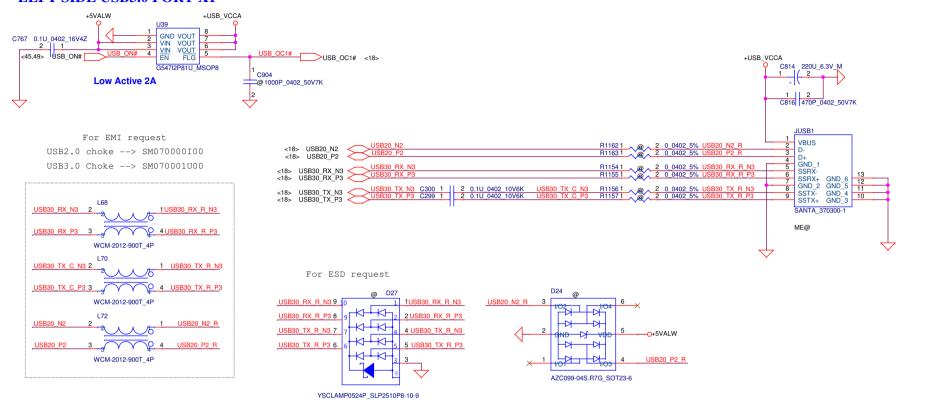


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Security Classification	LC Future Center Secret Data				
Issued Date	2011/11/01	Deciphered Date	2012/12/31	KE	S /SW /LPC DEBUG CONN. LCFC
AND TRADE SECRET INFO	RING DRAWING IS THE PROPRIETARY P DRMATION. THIS SHEET MAY NOT BE TR S AUTHORIZED BY LC FUTURE CENTER CLOSED TO ANY THIRD PARTY WITHOUT	ANSFERED FROM THE CU NEITHER THIS SHEET NO		Custom	Document Number Y400S-NM-A141 Rev
				Date:	Monday January 14 2013 Sheet 46 of 65

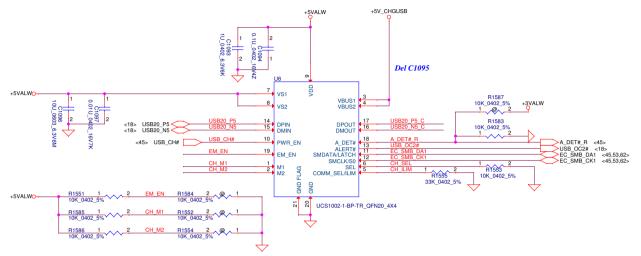


LEFT SIDE USB3.0 PORT X1



Security Classification	LC F	uture Center Secre	et Data	Title	Title							
Issued Date	2011/11/01	Deciphered Date	2012/12/31	US	B3.0 PORT			LCFC				
AND TRADE SECRET INFO DEPARTMENT EXCEPT AS	RING DRAWING IS THE PROPRIETARY PR RMATION. THIS SHEET MAY NOT BE TRA AUTHORIZED BY LC FUTURE CENTER N LOSED TO ANY THIRD PARTY WITHOUT	ANSFERED FROM THE CUS IEITHER THIS SHEET NOR		Ra Size Custom	Document Number	Y400S-N	M-A14		Rev 1.0			

Sleep & Charge Right side USB Charger Port (USB_Port5, near JMIC1)



2012-0429 --> Set default mode is "BC1.2 CDP" Mode (2.5A on S0) for USB Port5

Active Mode Selection:

М1	M2	EM_EN	ACTIVE	MODE		
0 0 0	0 1 1	1 0 1	Dedicated Date Pass- BC1.2 DCP BC1.2 SDP	Charger -through	Emulation	Cycle
1 * 1	0 1 1	1 0 1		Charger -through	Emulation	Cycle

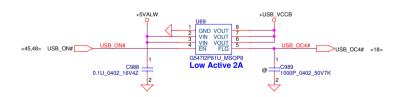
ILIM SETTING

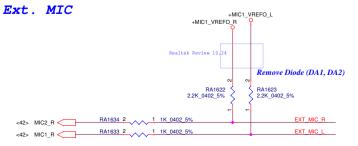
Pull Low OR-500mA 10K-900mA 12K-1000mA 15K-1200mA 15K-1200mA 22K-1800mA 27K-2000mA

SEL Pin Decode

Pull Low
OR -1010_000
* 10K-1010_000
12K-1010_000
15K-1010_000
18K-0110_000
22K-0110_000
27K-0110_000
33K-0110_000

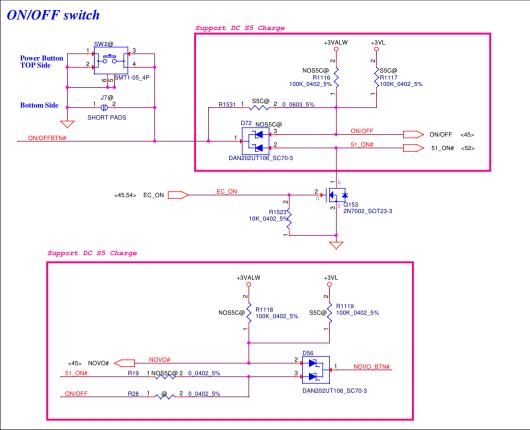
USB Power (USB20 P9)



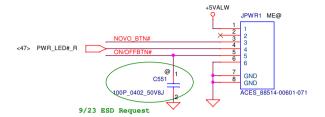


AUDIO/B Conn. +5VSO-+USB_VCCBO-+5V CHGUSBO-<18> USB20 P9 <42> MIC_JD <42> HP_OUTR <42> HP_OUTL <42> SPDIF_OUT <42> PLUG_IN ACES 88514-02401-071

Security Classification	LC	Future Center Secre	t Data	Title		
Issued Date	2011/11/01	Deciphered Date	2012/12/31	Aι	IDIO/B, USB CHARGER LCFC	
AND TRADE SECRET INFO	RING DRAWING IS THE PROPRIETARY F PRIMATION. THIS SHEET MAY NOT BE TF IS AUTHORIZED BY LC FUTURE CENTER LOSED TO ANY THIRD PARTY WITHOU	ANSFERED FROM THE CU NEITHER THIS SHEET NO		Size Custom	Document Number Y400S-NM-A141	Rev 1.0
				Date:	Monday, January 14, 2013 Sheet 49 of	65

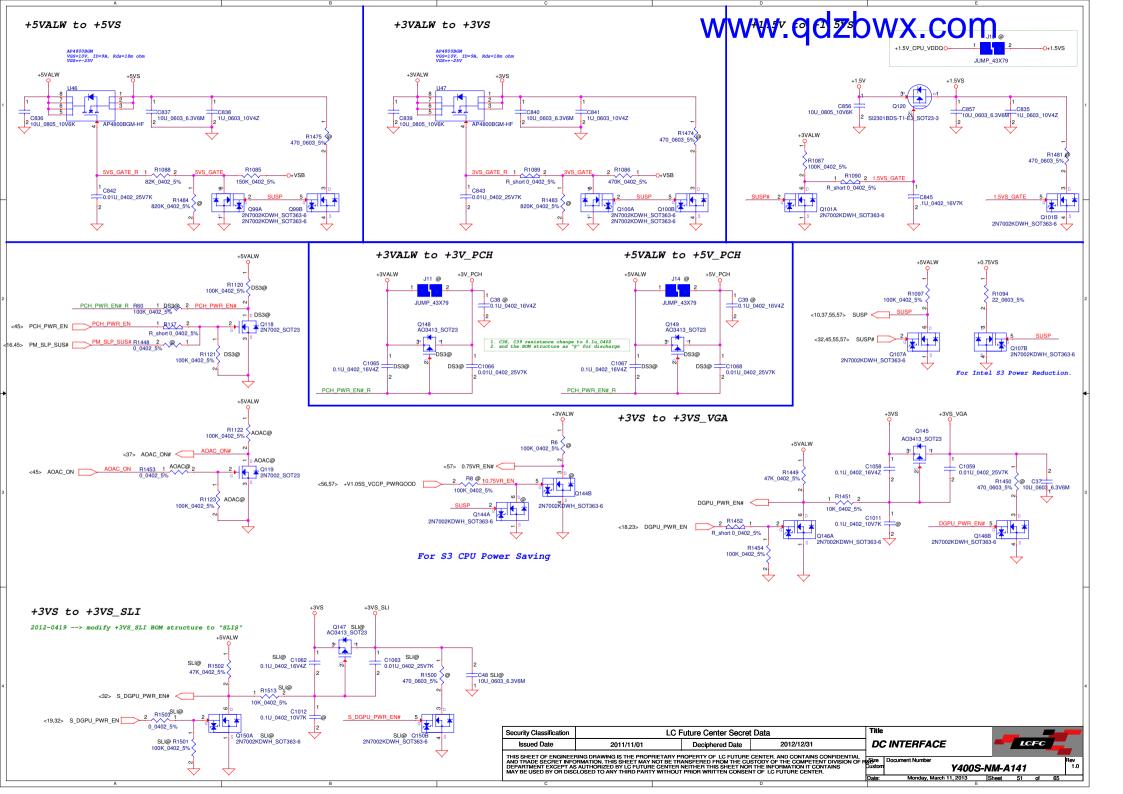


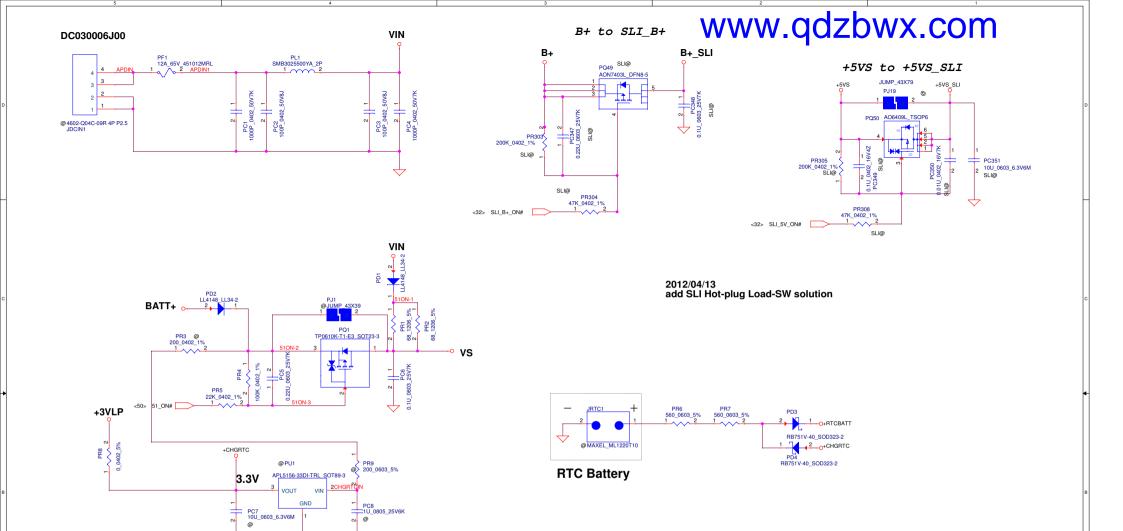
Power Button Physics Inc. 10 Physics Property of Function (B. Com. 10 Physics 10 Physics Physics Property of Physics P



EMI REQUEST 1ST = SCA00000E002ST = SCA00000R00

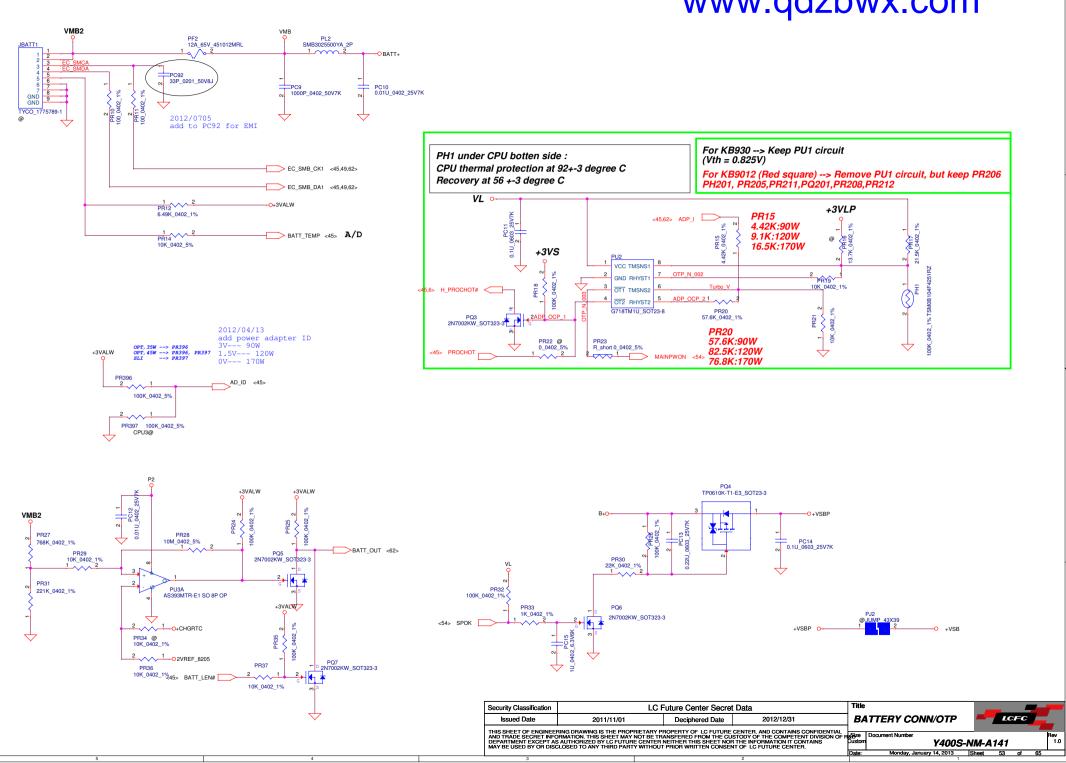
Security Classification	LC I	Future Center Secre	Title		_ ~	7	
Issued Date	2011/11/01	Deciphered Date	2012/12/31	OTHER I/O	CONN.	LCFC L	
AND TRADE SECRET INFOR	NG DRAWING IS THE PROPRIETARY PROF MATION. THIS SHEET MAY NOT BE TRANS AUTHORIZED BY LC FUTURE CENTER NEI' OSED TO ANY THIRD PARTY WITHOUT PE	SFERED FROM THE CUSTOD THER THIS SHEET NOR THE	DY OF THE COMPETENT DIVISION OF R&D INFORMATION IT CONTAINS	Size Document Numbe	Y400S-N		Rev 1.0

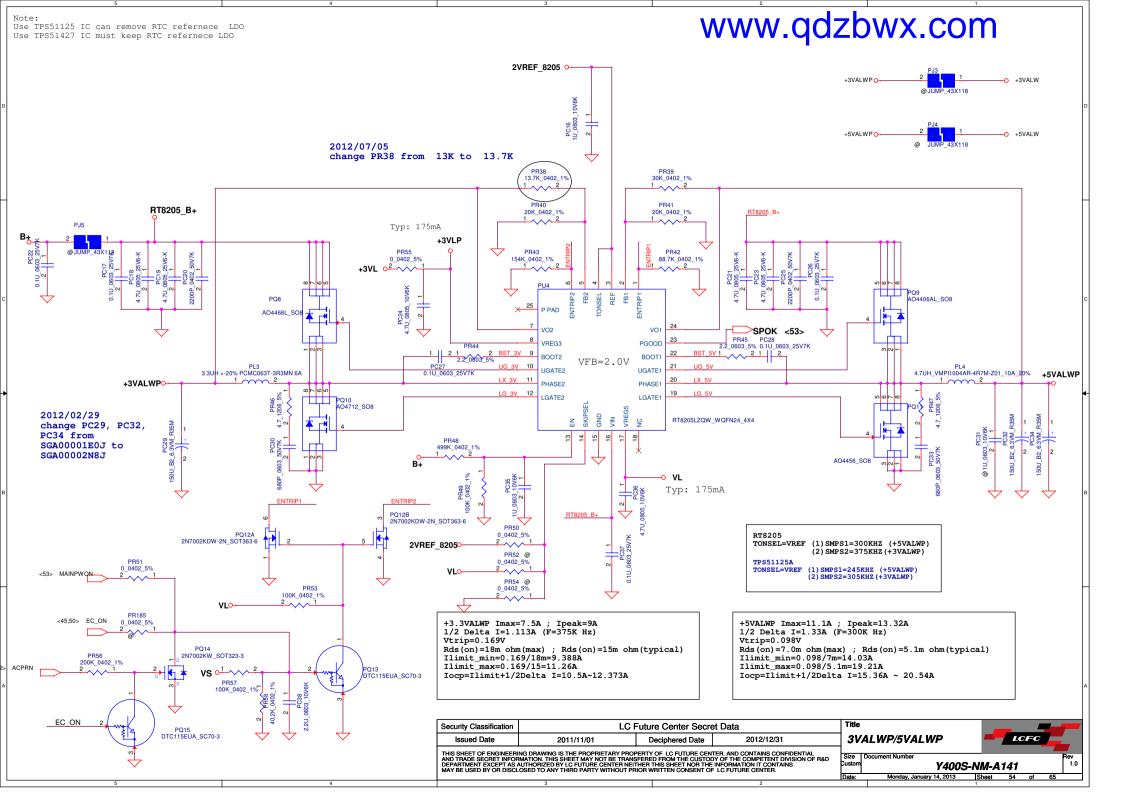


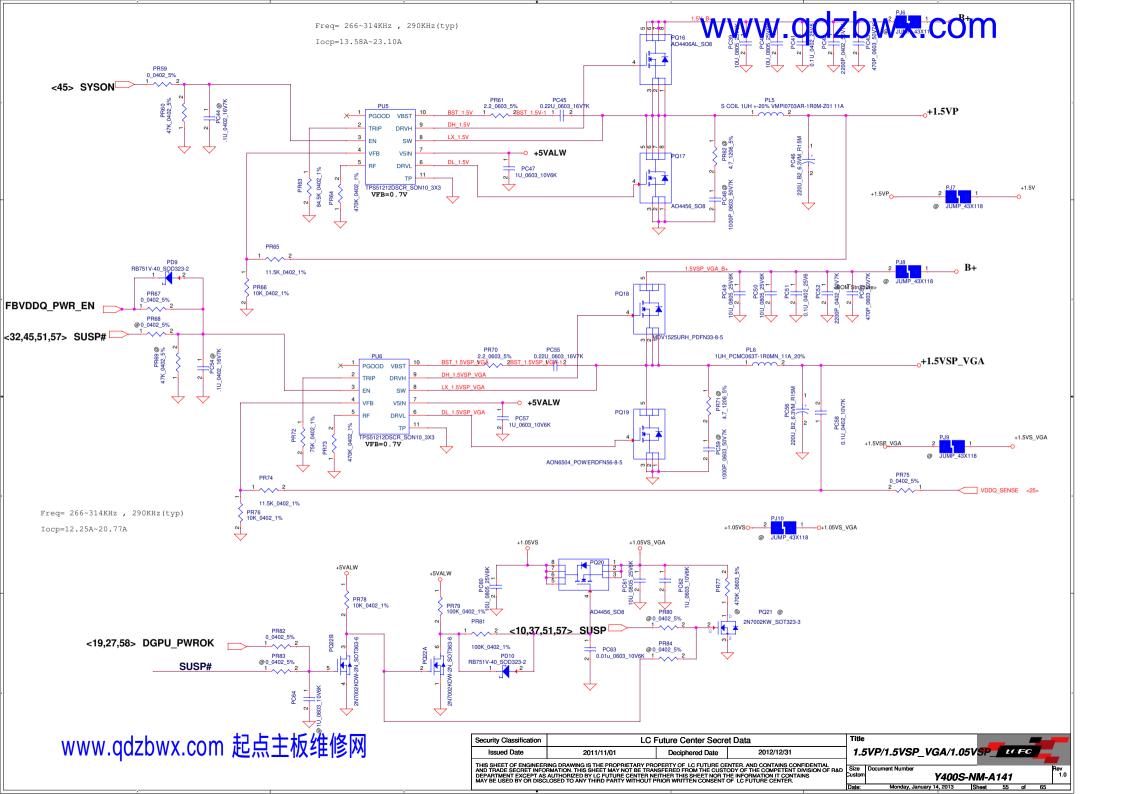


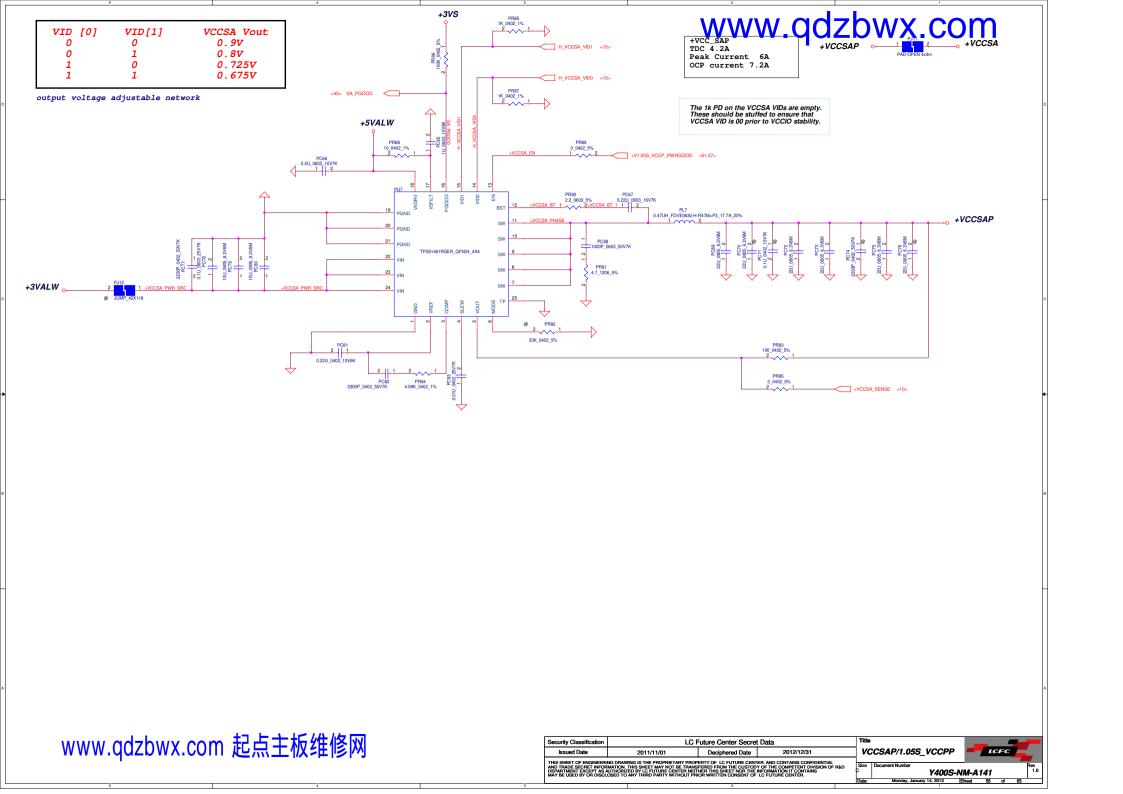


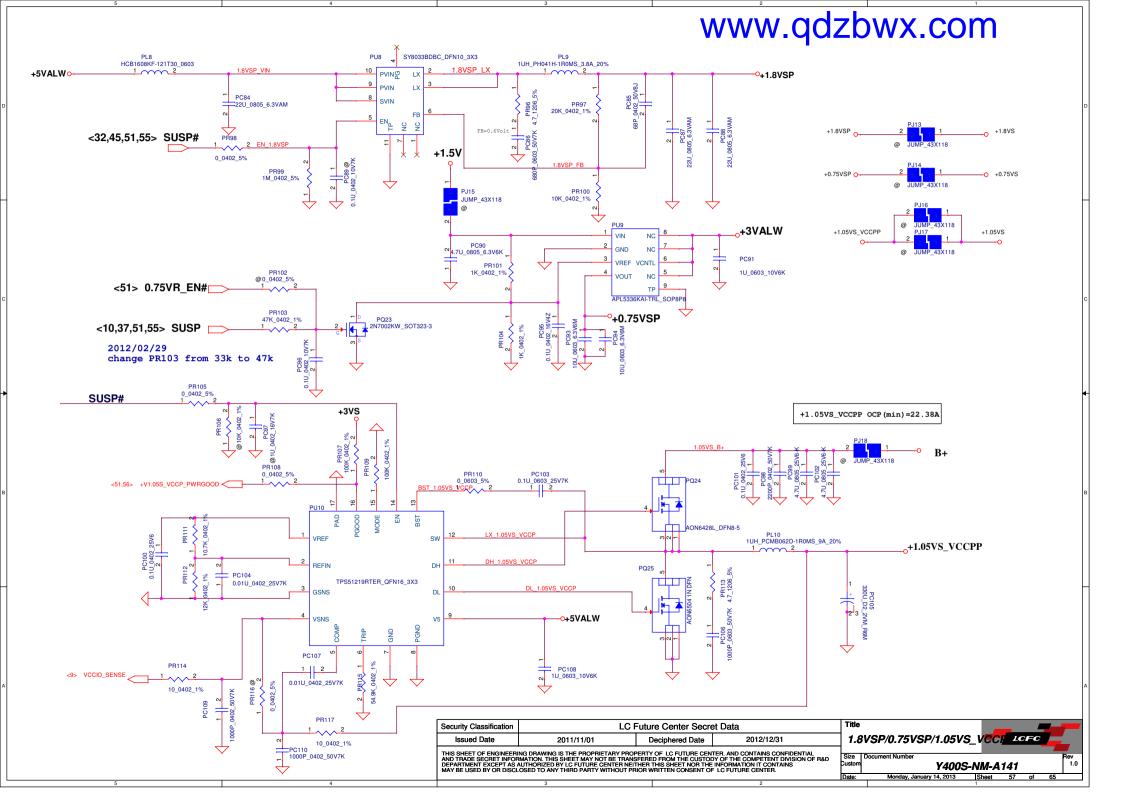
Security Classification		LC Future Center Secret	Title			_		
Issued Date	2011/11/01	Deciphered Date	2012/12/31	VI	N DETECTOR		LCFC	
AND TRADE SECRET INFO	RMATION. THIS SHEET MAY NO AUTHORIZED BY LC FUTURE	ETARY PROPERTY OF LC FUTURE OT BE TRANSFERED FROM THE CU CENTER NEITHER THIS SHEET NOF WITHOUT PRIOR WRITTEN CONSEN		L DF FIRSTIZE Custom Date:	Document Number Y400S Monday, January 14, 2013	-NM-A14	! 1	Rev 1.0

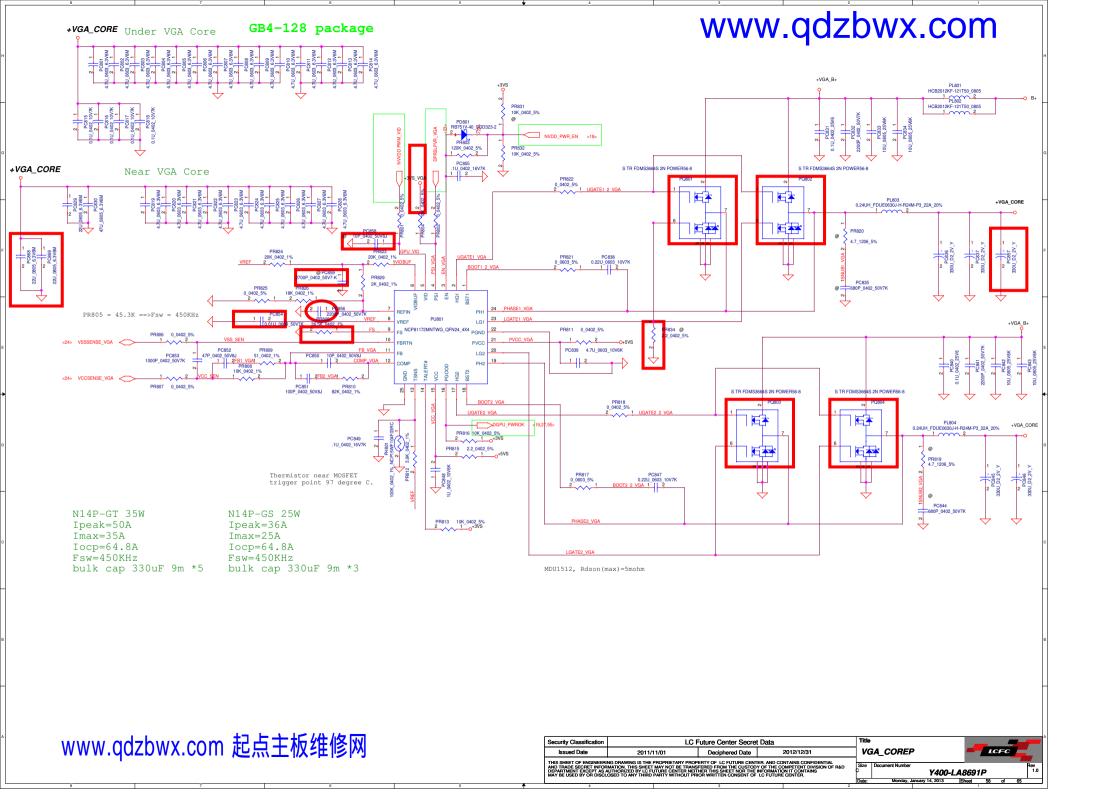


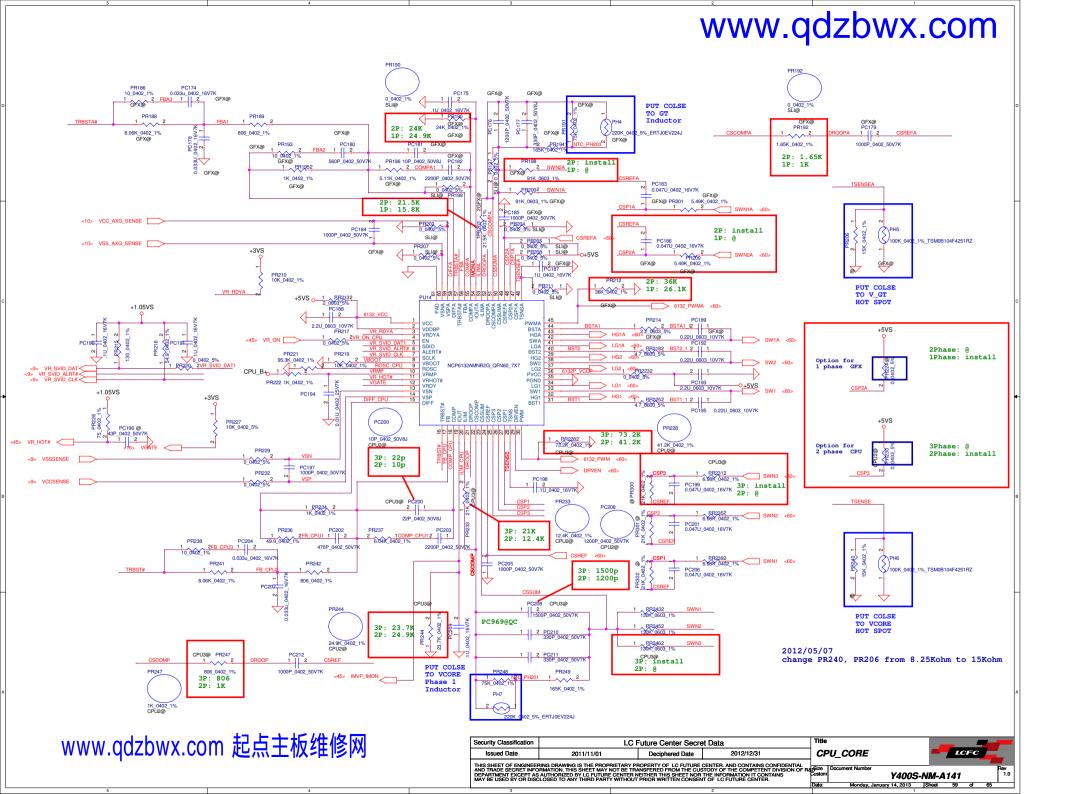


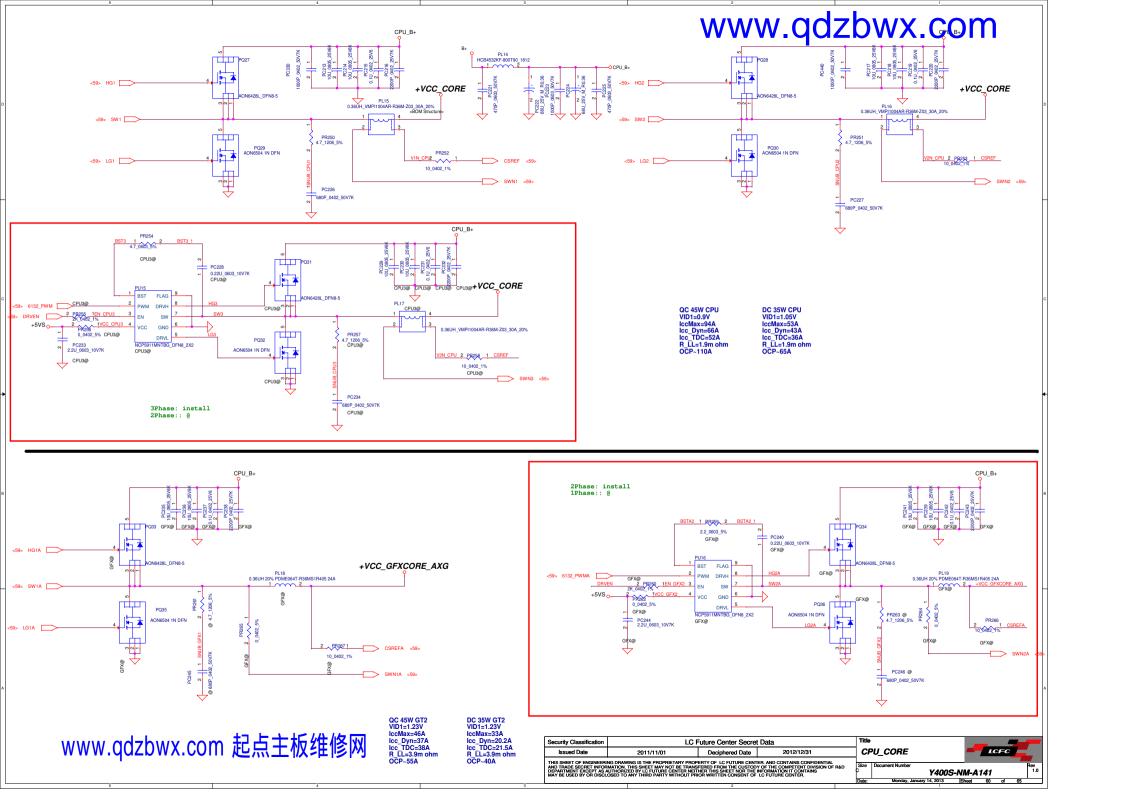


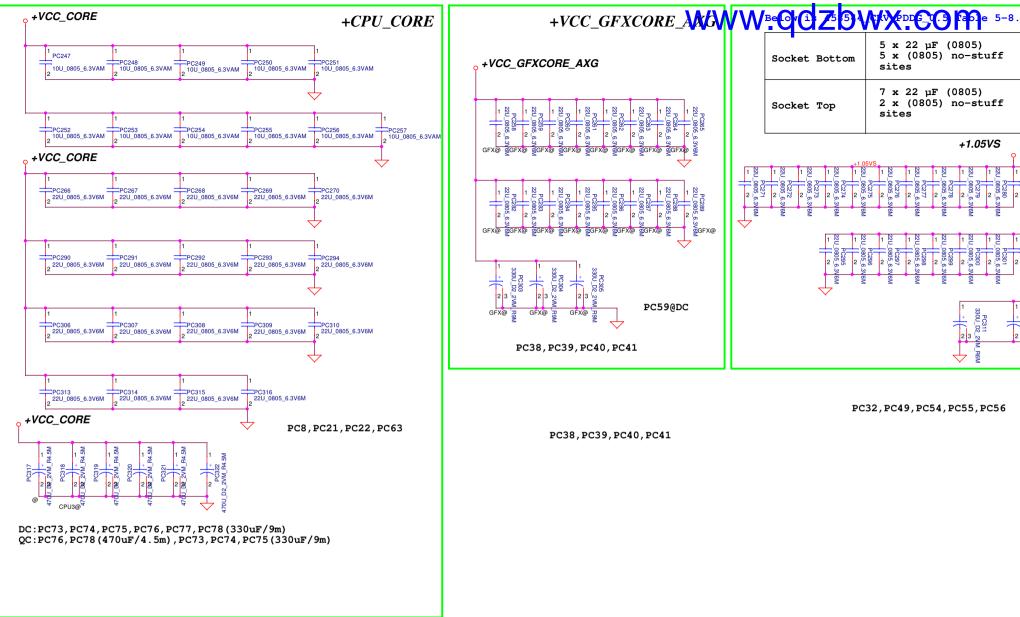












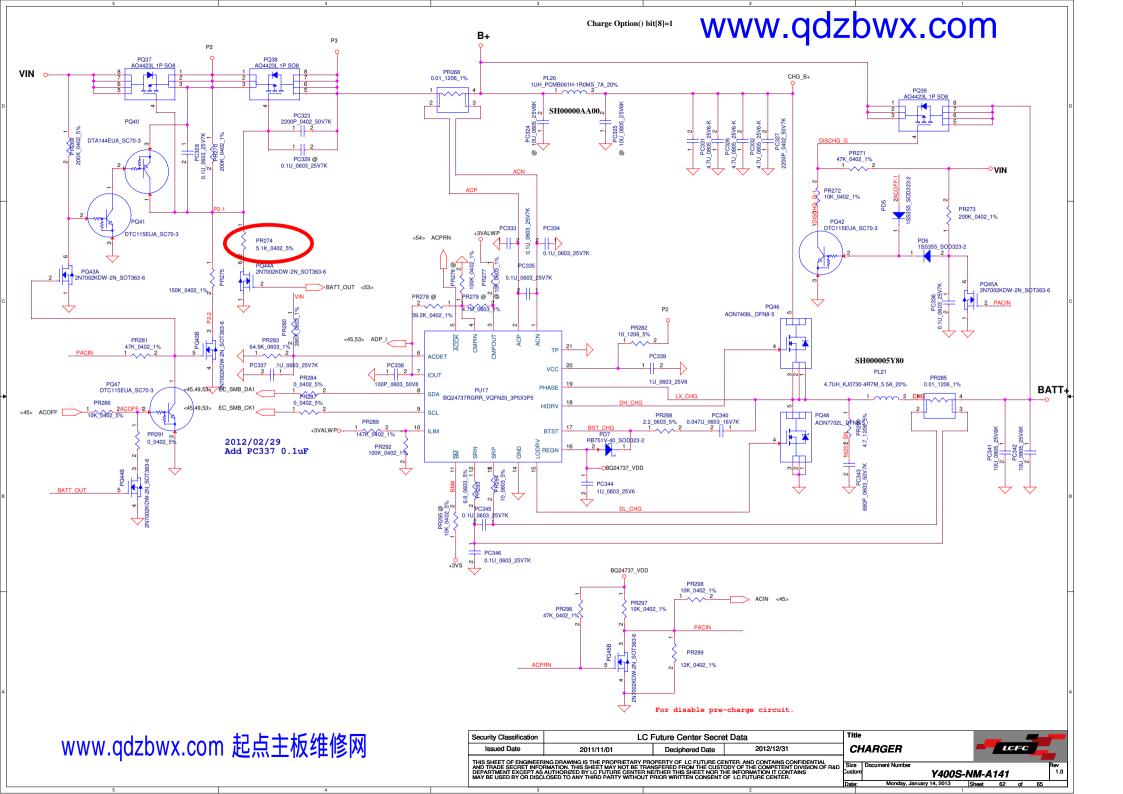
PC32, PC49, PC54, PC55, PC56

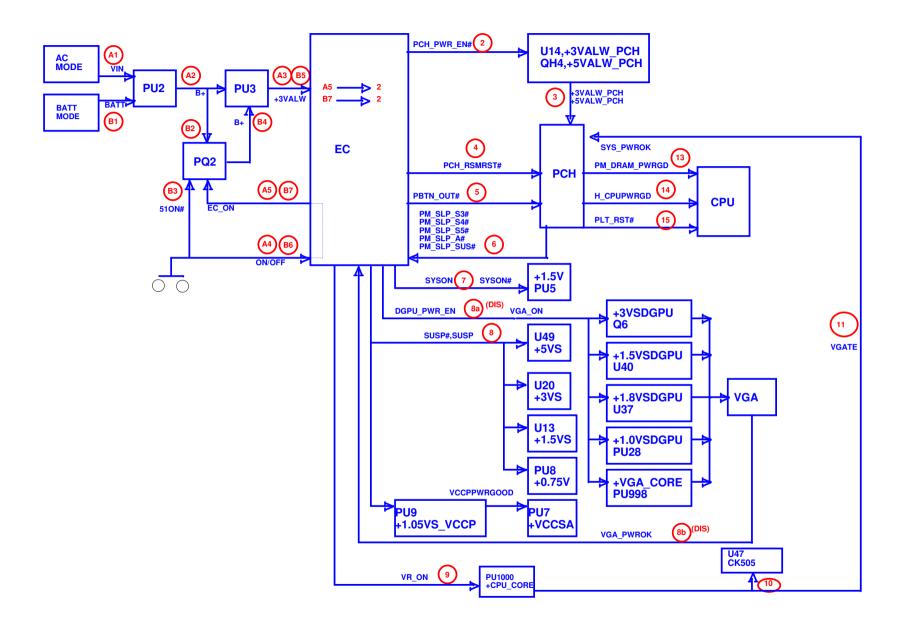
+1.05VS

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CPU_CORE1

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					Date:	Monday, January 14, 2013	heet 63	of	65	

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

www.com

			701 7 1 17 1		
Item	Reason for change	PG#		Date	Phase
1	For NV suggest	58	Add (reserve parts) PC859		
2	For TI suggest	58	Add (reserve parts) PR834		
3					
4					
5					
6					
7					
8					
9					
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Security Classification	LC Future Center Secret Data							
Issued Date	2012/10/11	Deciphered Date	2014/07/01	PI				
	ING DRAWING IS THE PROPRIETARY PRO		ENTER. AND CONTAINS CONFIDENTIAL	Size				



www.qdzbwx.com **QIWY5 HW PIR List** NO DATE PAGE MODIFICATION LIST PURPOSE EVT TO DVT Change DGPU_PWR_EN to PLT_RST_VGA# P23 For GC6 function Add CV148 For GC6 function 16

Security Classification	LC Future Center Secret Data						
Issued Date	2012/10/11	Deciphered Date	2014/07/01	PI			
AND TRADE SECRET INFO DEPARTMENT EXCEPT AS	ING DRAWING IS THE PROPRIETARY PROPRIETARY PROPRIETARY PROPRIETARY NOT BE TRANAUTHORIZED BY LC FUTURE CENTER NEW LOSED TO ANY THIRD PARTY WITHOUT PROPRIETARY WITHOU	NSFERED FROM THE CUST EITHER THIS SHEET NOR TO	ODY OF THE COMPETENT DIVISION OF R&D HE INFORMATION IT CONTAINS	Size Cu:			

