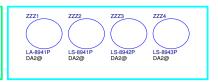
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Model Name: Q1VZC File Name: LA-8941P

BOM P/N:43







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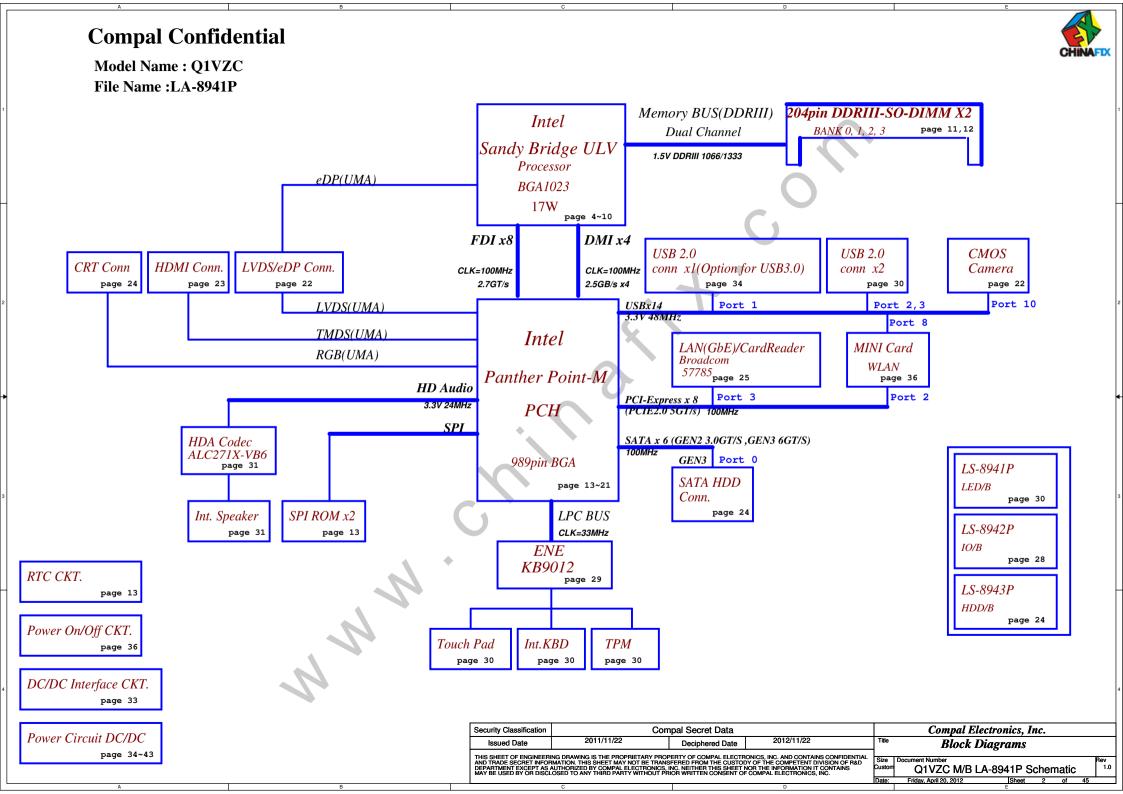
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Intel Sandy Bridge ULV Processor + Panther Point PCH

2012-04-19

REV:1.0

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				Date:	Friday, April 20, 2012 Sheet 1 of	45



Voltage Rails

Power Plane	Description	S1	S3	S5
VIN	Adapter power supply (19V)	N/A	N/A	N/A
BATT+	Battery power supply (12.6V)	N/A	N/A	N/A
B+	AC or battery power rail for power circuit.	N/A	N/A	N/A
+CPU_CORE	Core voltage for CPU	ON	OFF	OFF
+VGFX_CORE	Core voltage for UMA graphic	ON	OFF	OFF
+0.75VS	+0.75VP to +0.75VS switched power rail for DDR terminator	ON	OFF	OFF
+1.05VS_VTT	+1.05VS_VTTP to +1.05VS_VTT switched power rail for CPU	ON	OFF	OFF
+1.5V	+1.5VP to +1.5V power rail for DDRIII	ON	ON	OFF
+1.5VS	+1.5V to +1.5VS switched power rail	ON	OFF	OFF
+1.8VS	(+5VALW or +3VALW) to 1.8V switched power rail to PCH & GPU	ON	OFF	OFF
+3VALW	+3VALW always on power rail	ON	ON	ON*
+VCCSUS3_3	+3VALW to +VCCSUS3_3 power rail for PCH (Short Jump)	ON	ON	ON*
+3VS	+3VALW to +3VS power rail	ON	OFF	OFF
+5VALW	+5VALWP to +5VALW power rail	ON	ON	ON*
+5VREF_SUS	+5VALW to +5VREF_SUS power rail for PCH (Short resister)	ON	ON	ON*
+5VS	+5VALW to +5VS switched power rail	ON	OFF	OFF
+VSB	+VSBP to +VSB always on power rail for sequence control	ON	ON	ON*
+RTCVCC	RTC power	ON	ON	ON
Note : ON* magne	that this power plane is ON only with AC power available, otherwise it	i- OFF		

EC SM Bus1 address

Device	Address
Smart Battery	0001 011X b
PCH SM Bus	s address

Device Address

ChannelA DIMM0 A0 1010 000X JDIMM1(STE ChannelB DIMM0 B0 1010 010X JDIMM2(RE)

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
D 11D / 01/11 1D	T							

Board ID / SKU ID Table for AD channel

Vcc Ra/Rc/Re	3.3V +/- 5% 100K +/- 5%			
Board ID	Rb / Rd / Rf	V _{AD_BID} min	V _{AD_BID} typ	V _{AD_BID} max
0	0	0 V	0 V	0 V
1	8.2K +/- 5%	0.216 V	0.250 V	0.289 V
2	18K +/- 5%	0.436 V	0.503 V	0.538 V
3	33K +/- 5%	0.712 V	0.819 V	0.875 V
4	56K +/- 5%	1.036 V	1.185 V	1.264 V
5	100K +/- 5%	1.453 V	1.650 V	1.759 V
6	200K +/- 5%	1.935 V	2.200 V	2.341 V
7	NC:	2.500 V	3.300 V	3.300 V

BOARD ID Table

Board ID	PCB Revision
0	0.1
1	0.2
2	0.3
3	1.0
4	
5	
6	
7	

USB Port Table

	USB 2.0	USB 1.1	Port	3 External USB Port
Ī		UHCI0	0	
		onero	1	USB 2.0(Options for USB3.0)
ı		UHCI1	2	USB port(Left 2.0)
ı	EHCI1	OHCII	3	USB Port(Left 2.0)
ı	Elicii	UHCI2	4	
ı			5	
ı			6	
ı		OHCIS	7	
ľ		UHCI4	8	Mini Card(WLAN)
ı		OHCI4	9	
ı	EHCI2	UHCI5	10	Camera
ı	EHCIZ	OHCIS	11	
ı		UHCI6	12	
ı		OHC16	13	

BTO Option T	able
BTO Item	BOM Structure
Celeron 867	C867@
Pentium 977	P977@
Unpop	@
eDP Panel	EDP@
LVDS Panel	LVDS@
Connector	CONN@
USB3 Only	USB3@
Deep S3	DS3@
Normal S3	S3@
Intel i5/i7 CPU only	I57@
Celeron/Pentium/i3 CPU only	CP3@

USB 3.0	Port	
	1	
XHCI	2	USB Port(Right 3.0)
XHCI	3	
	4	

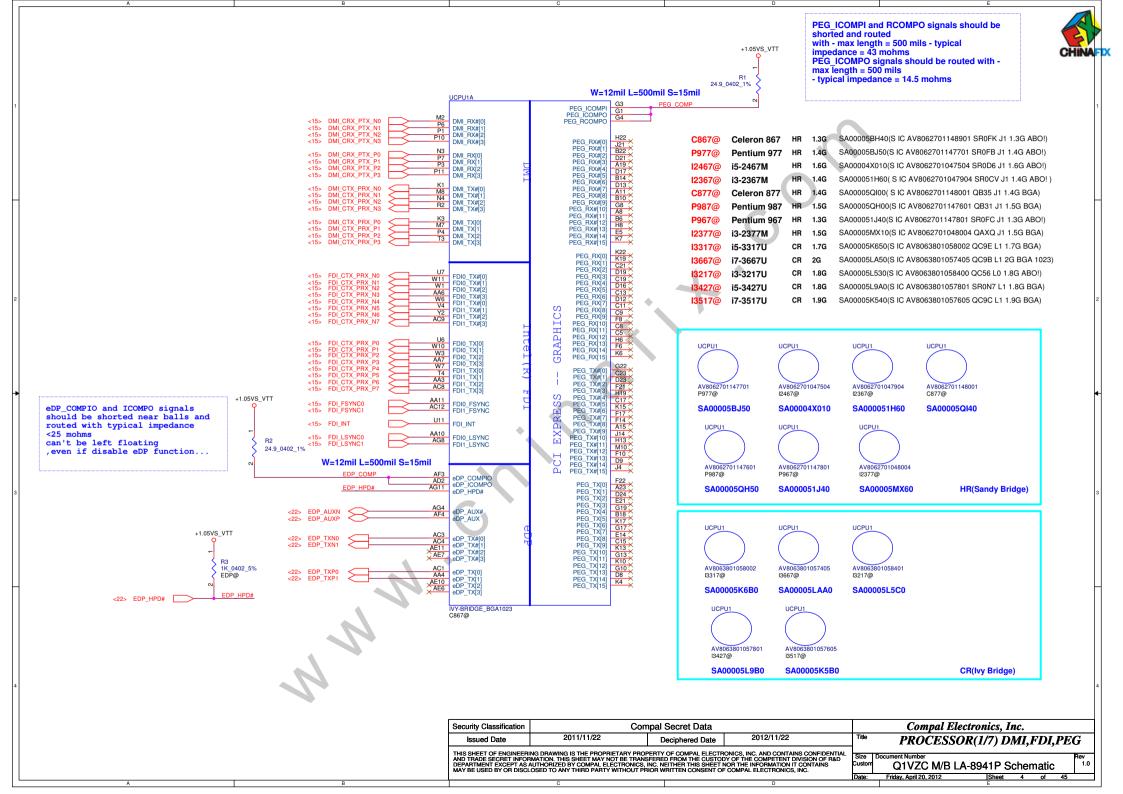
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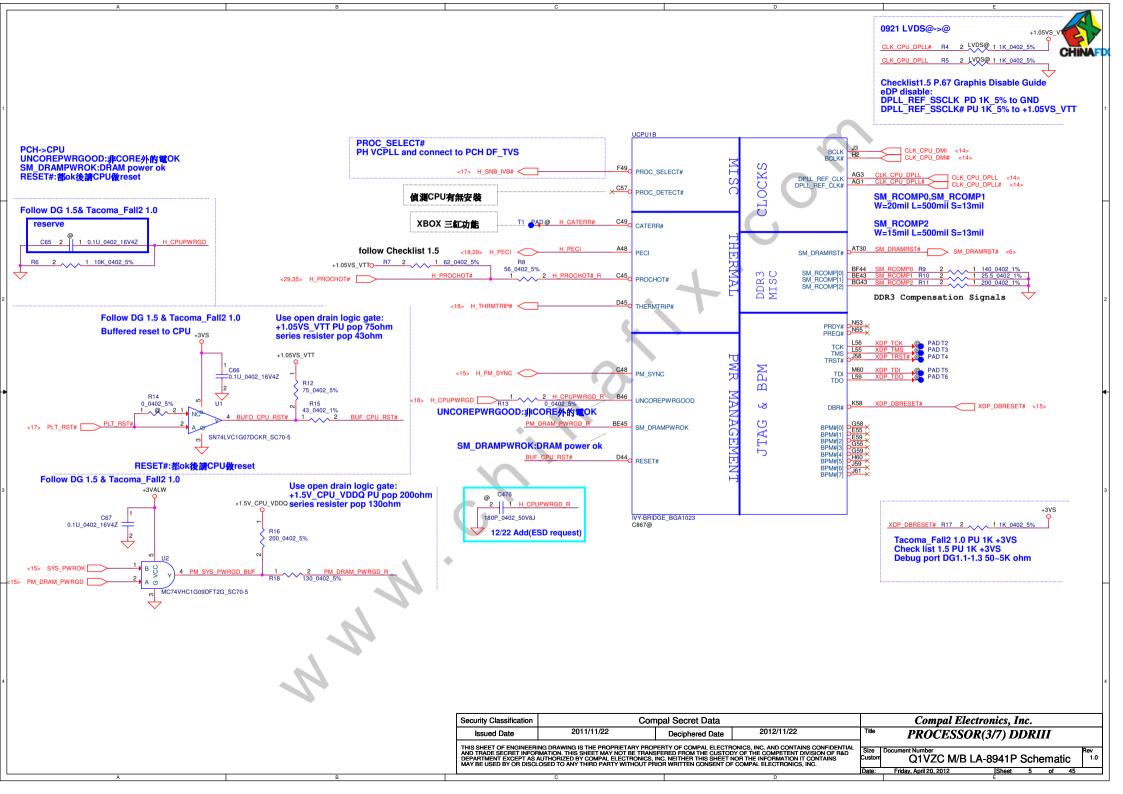
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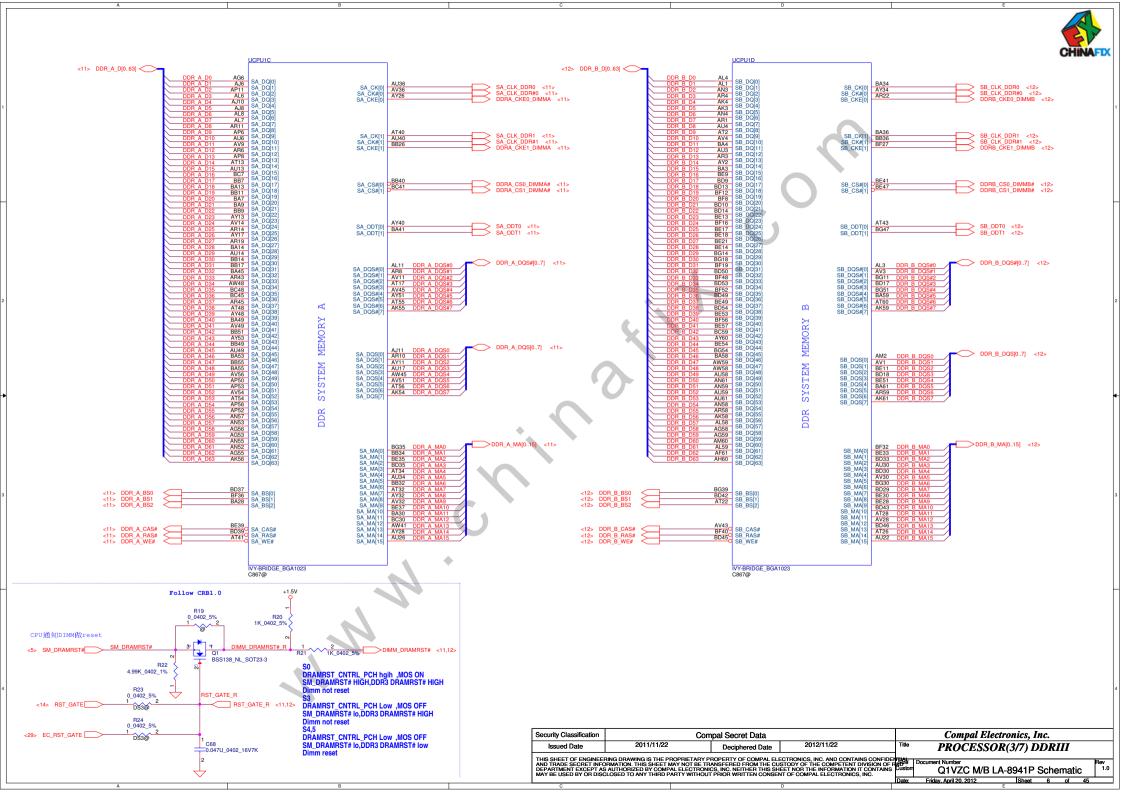
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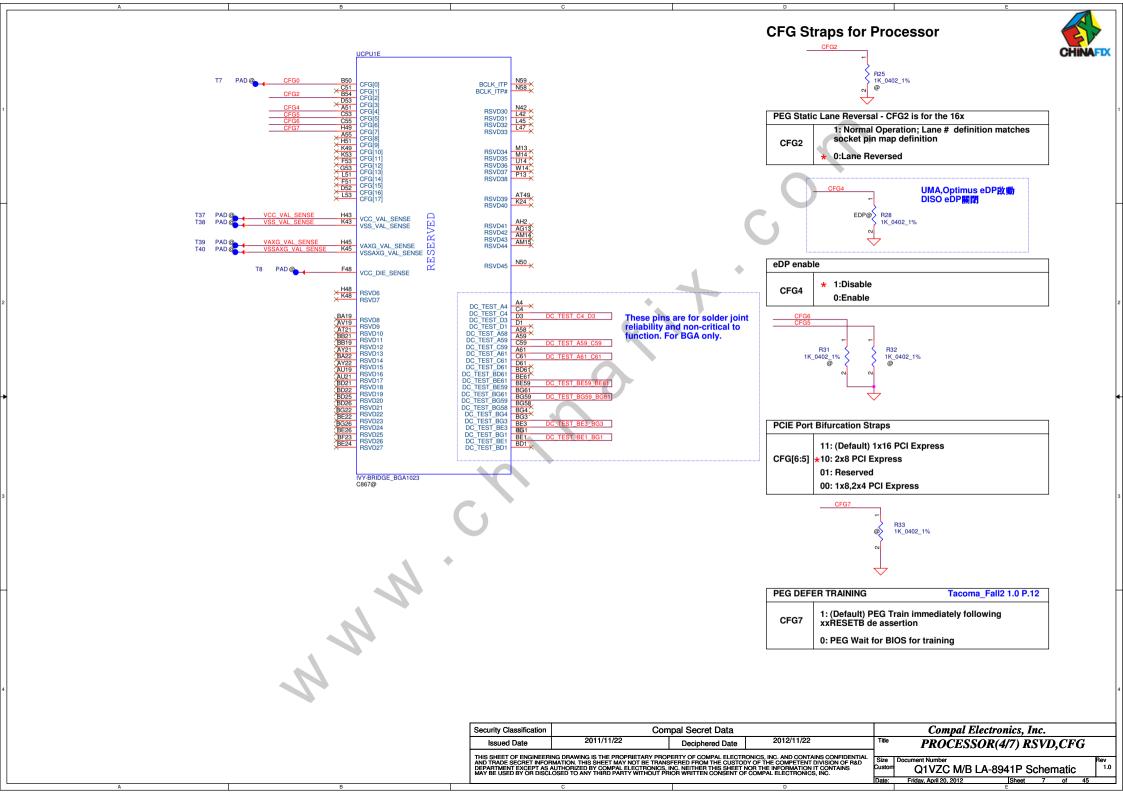
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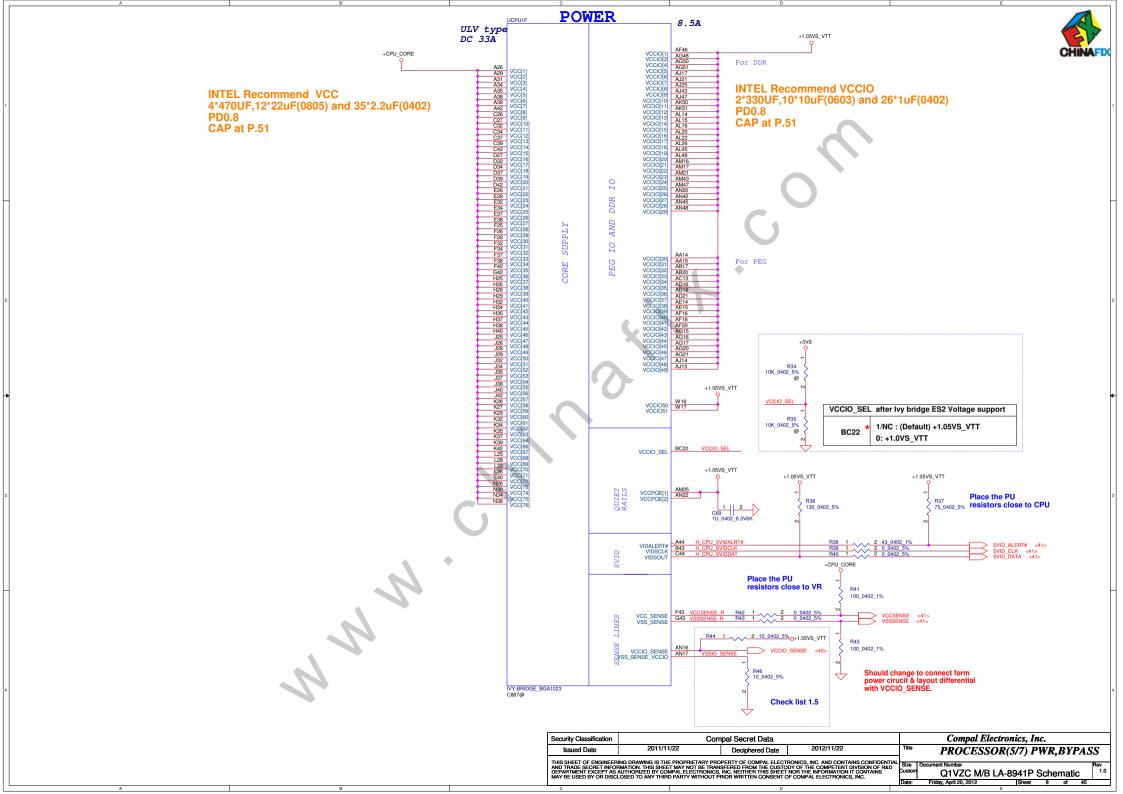
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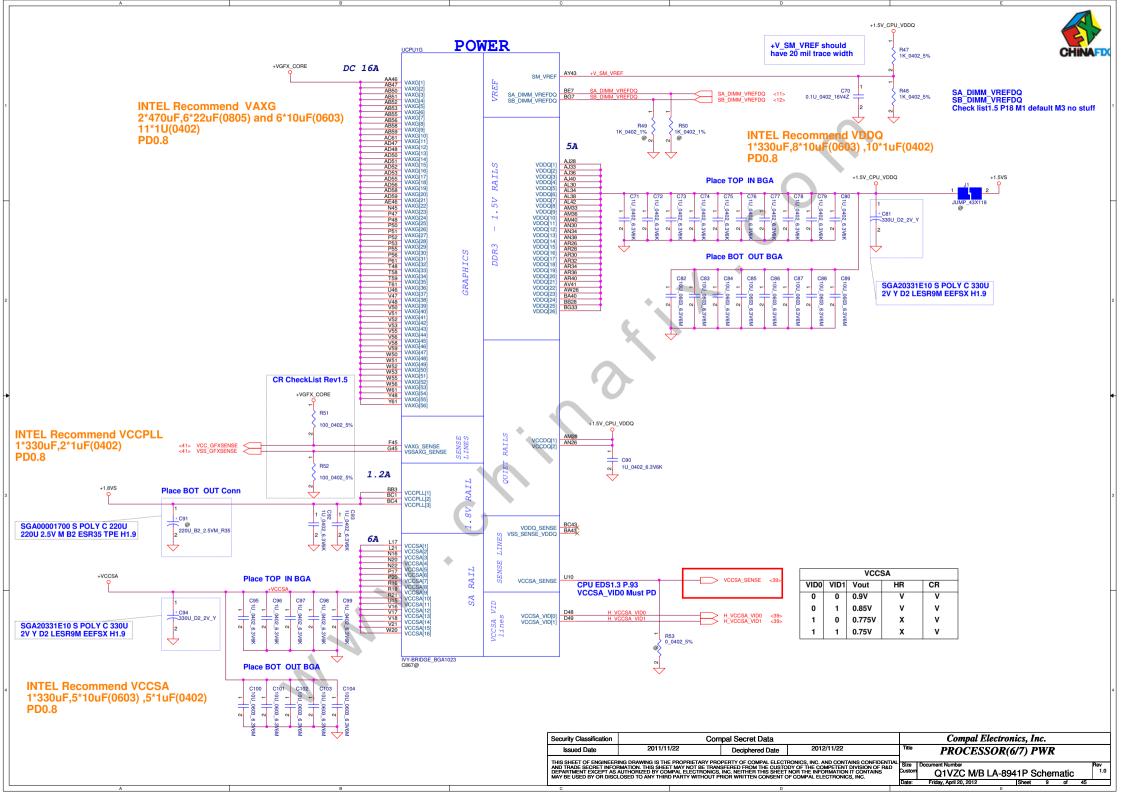


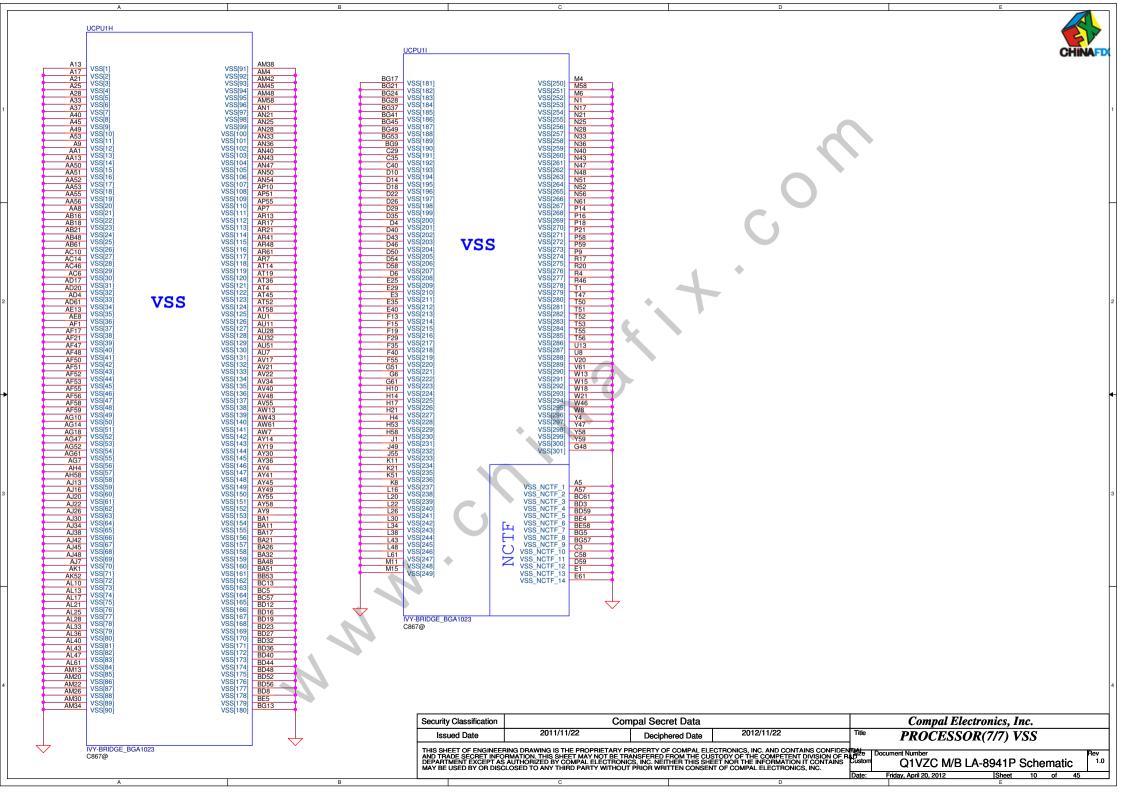


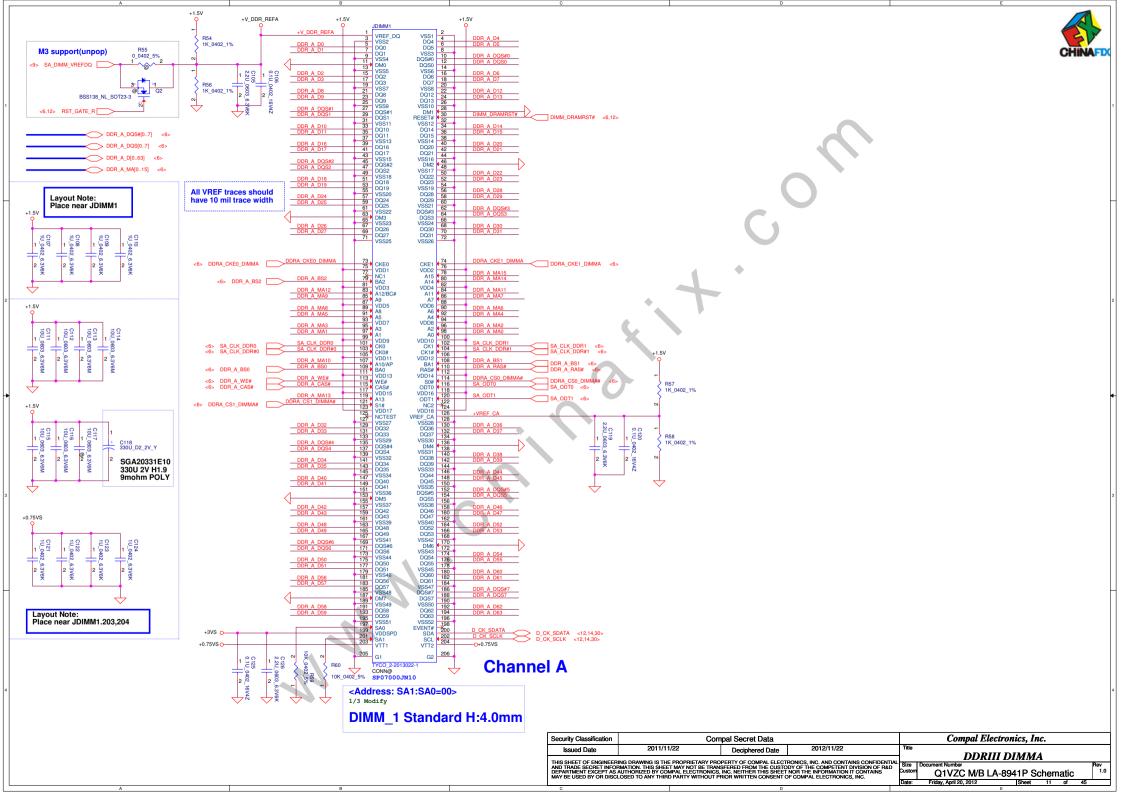


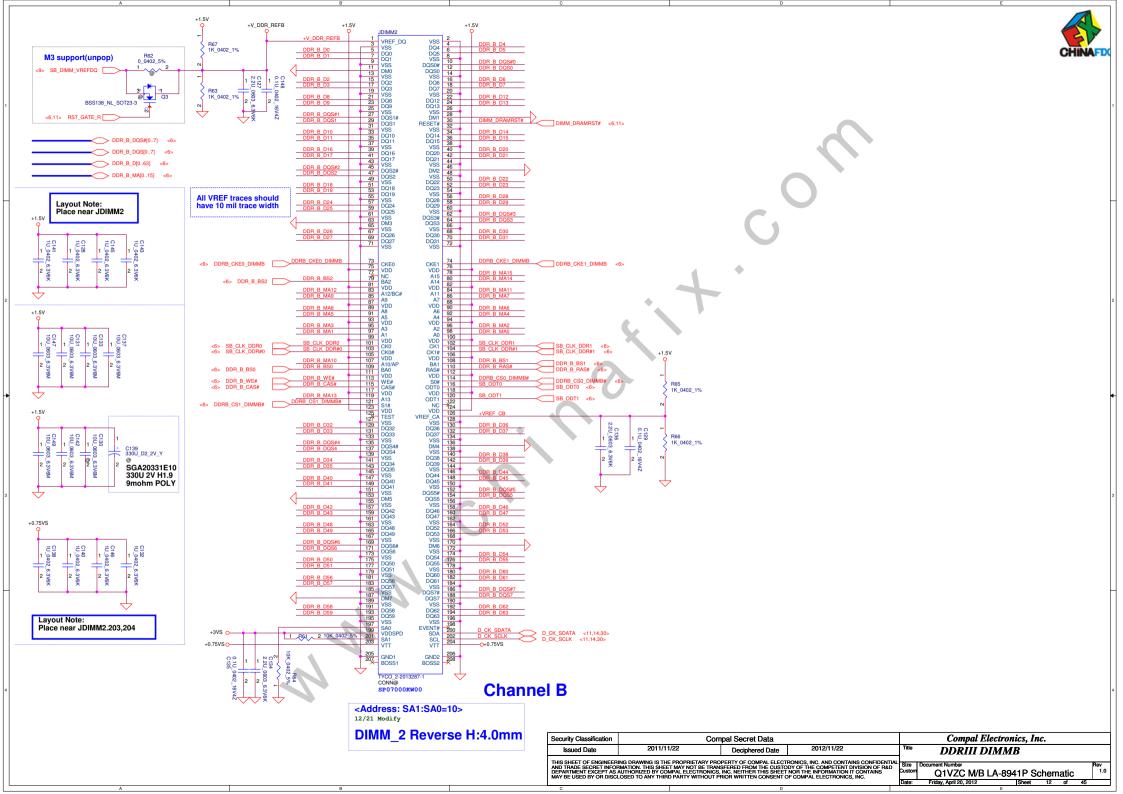


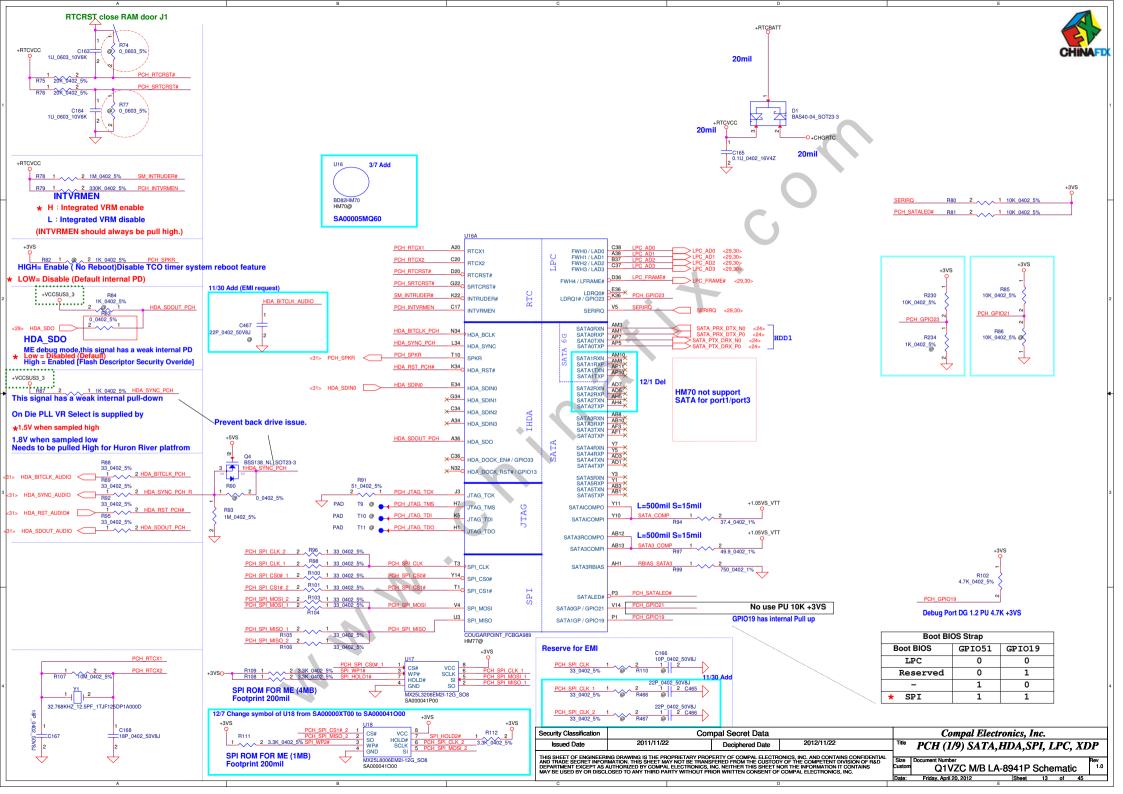


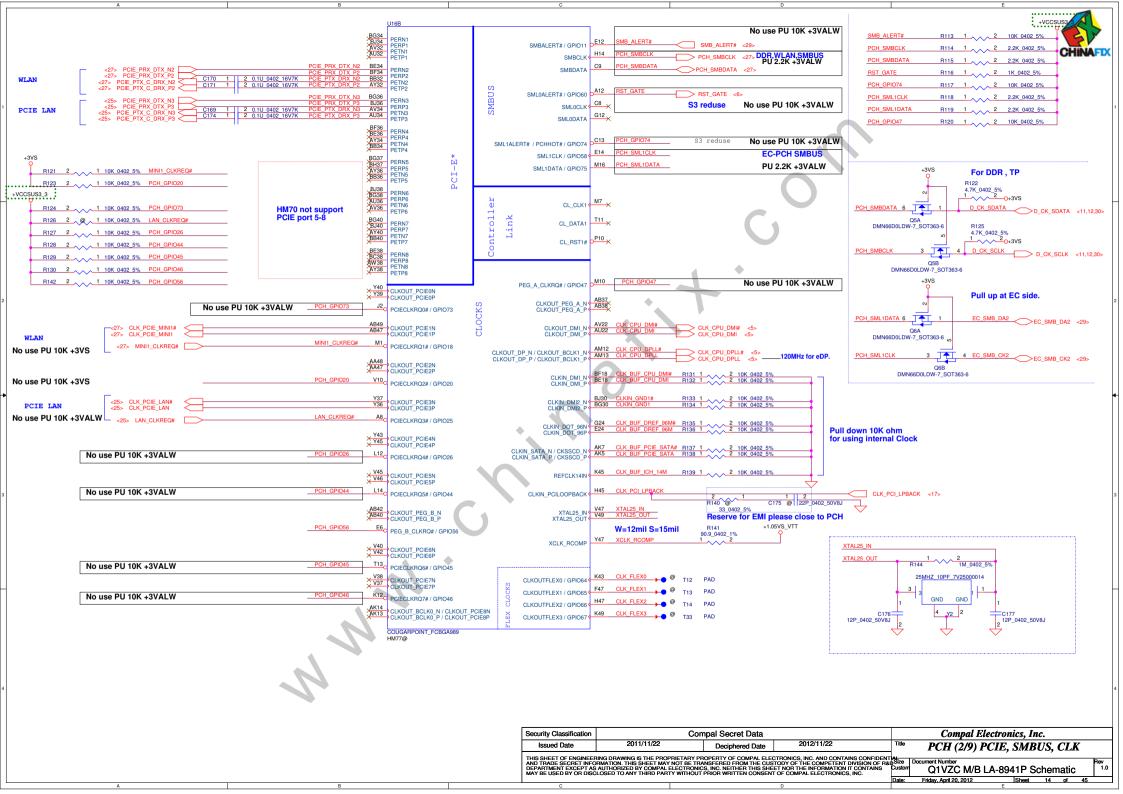


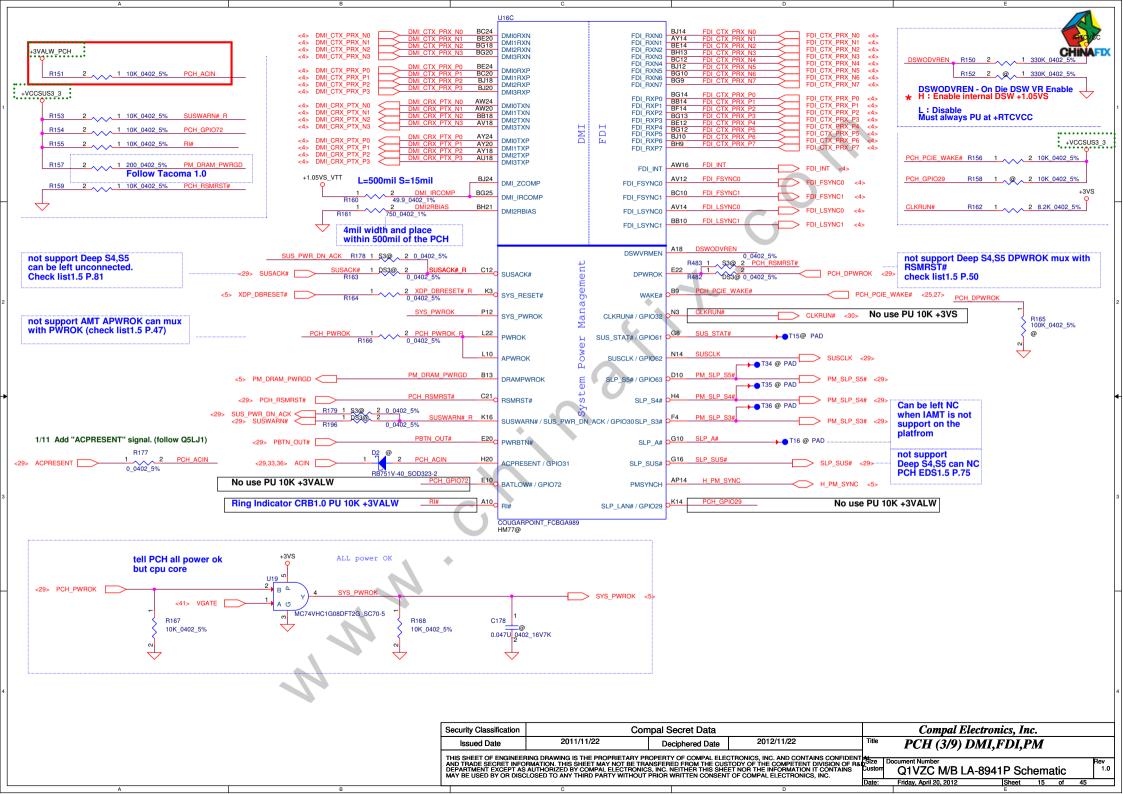


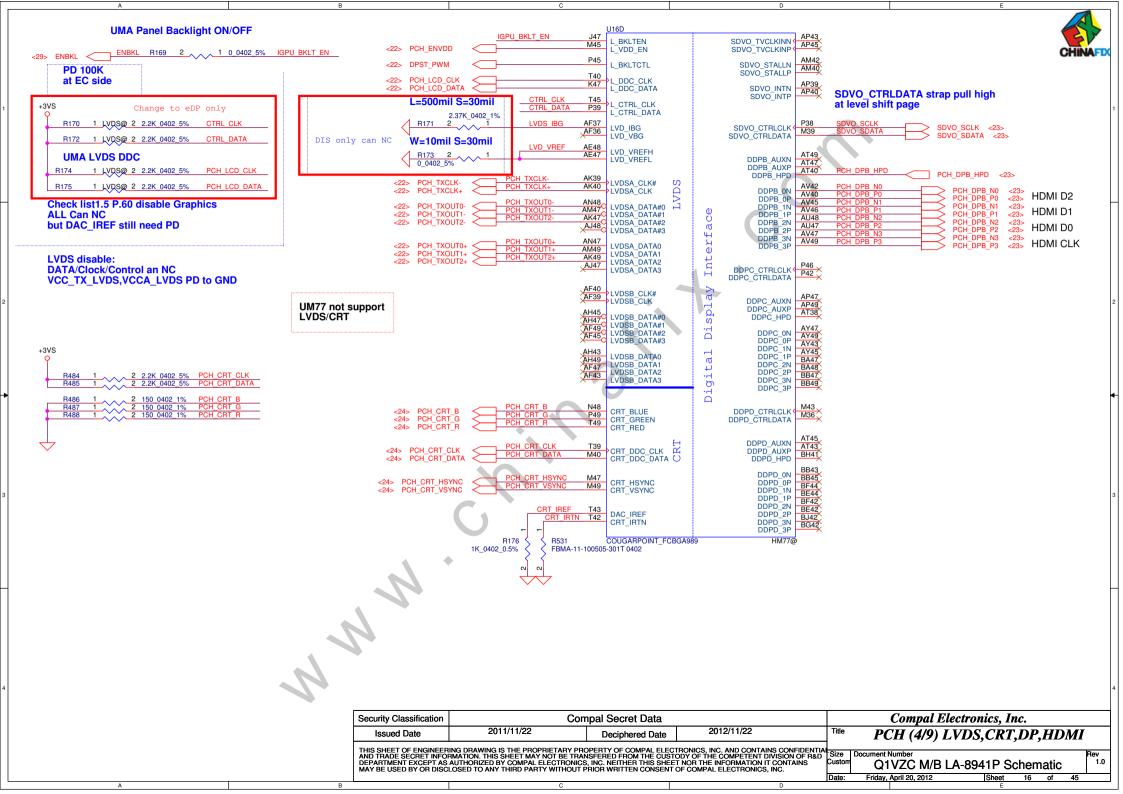


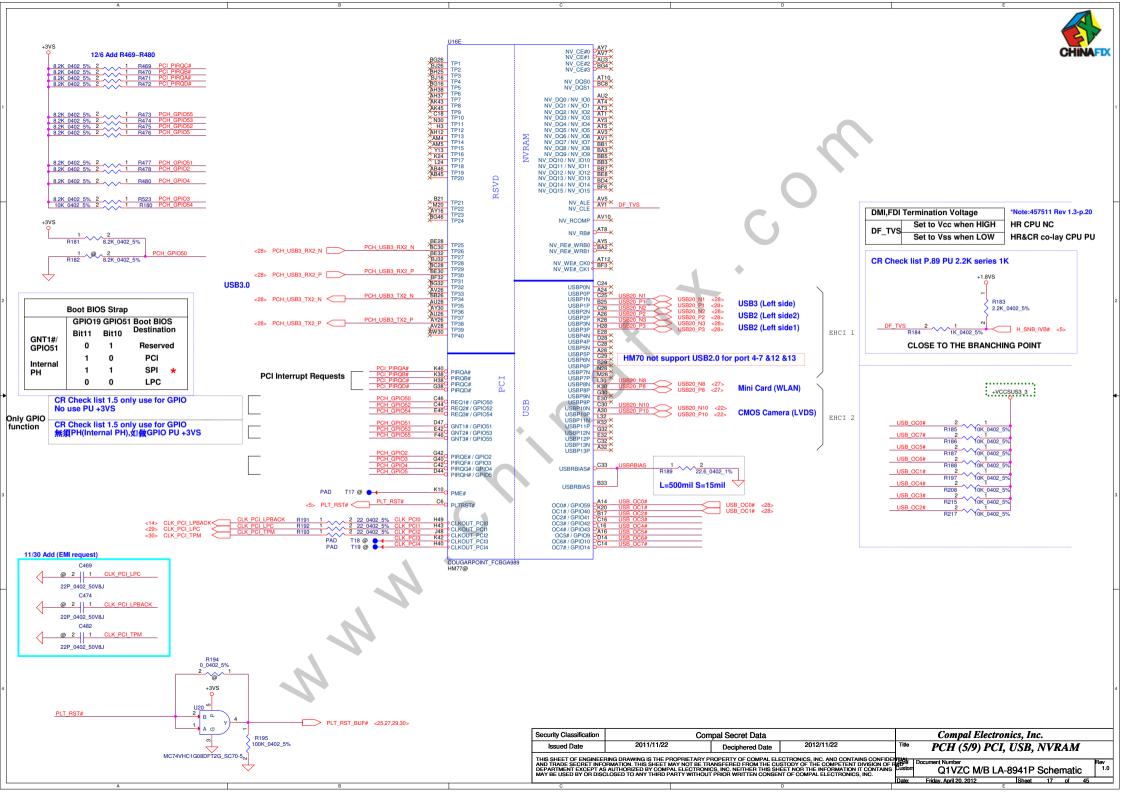


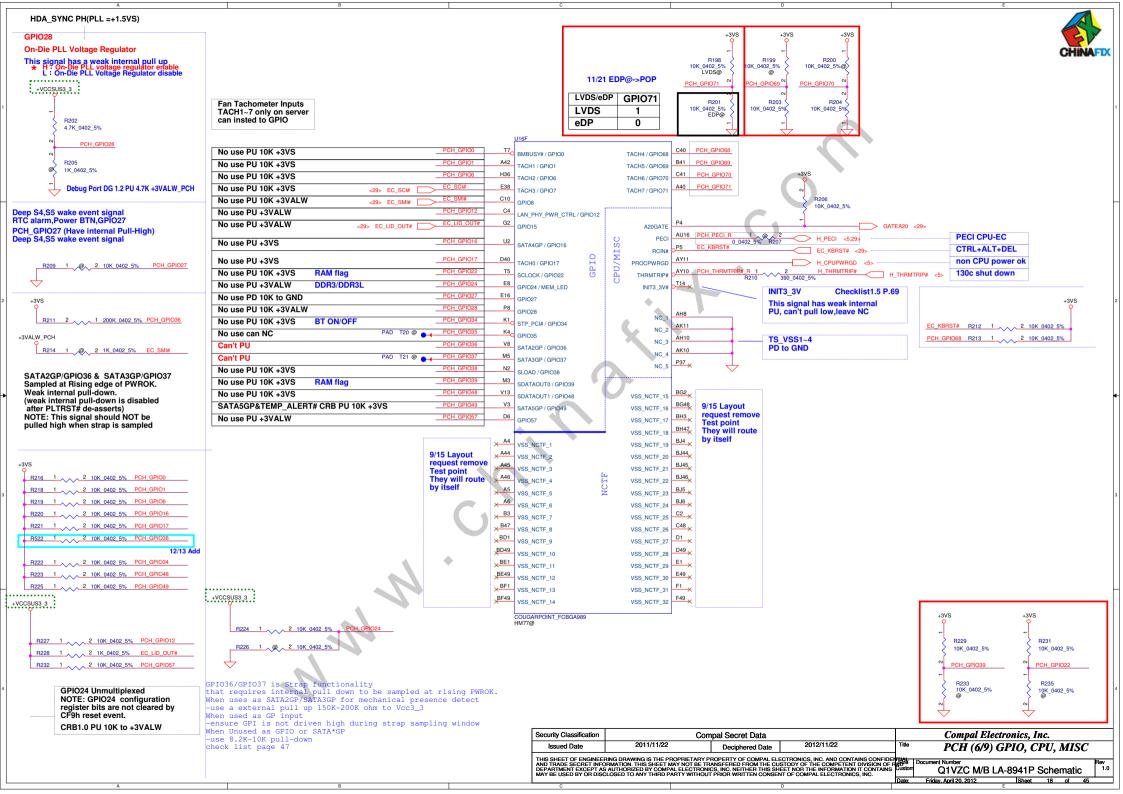


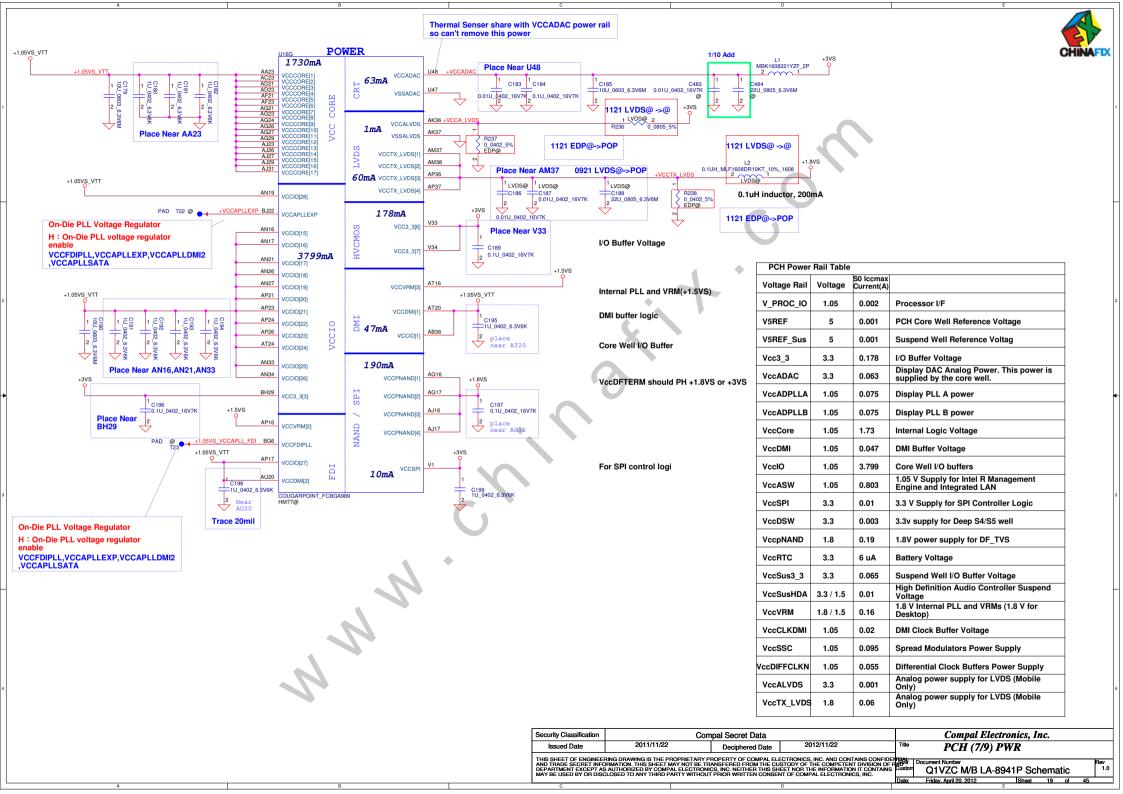


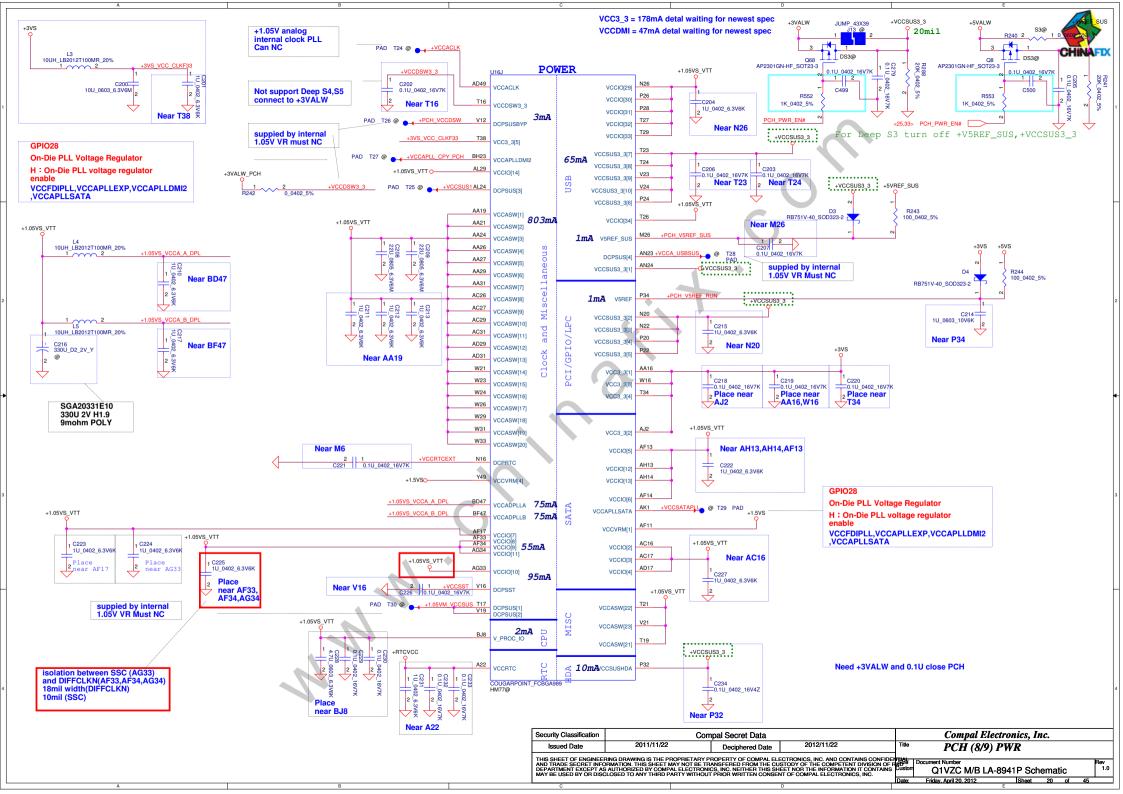




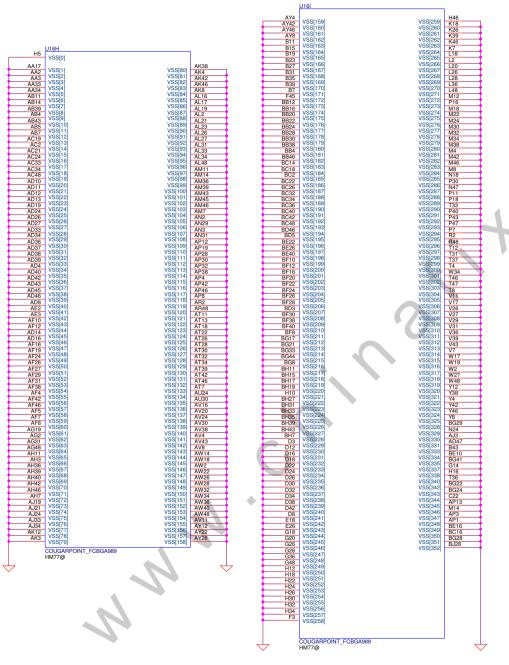












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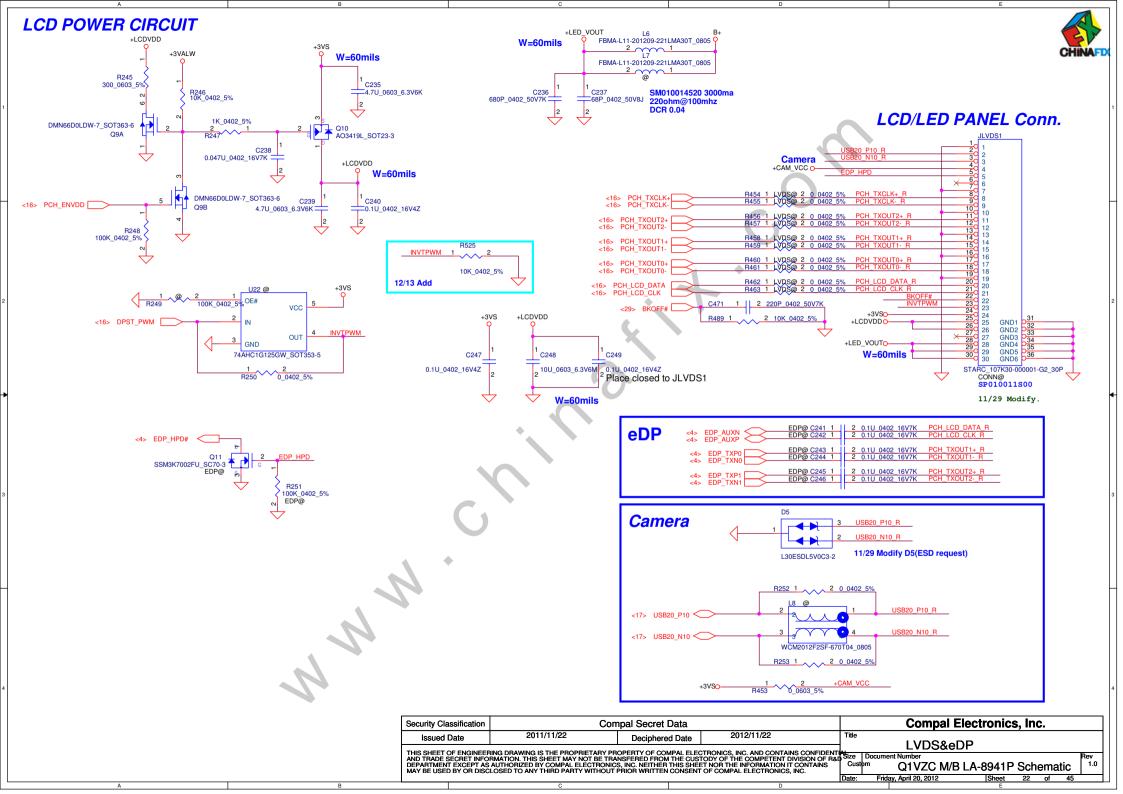
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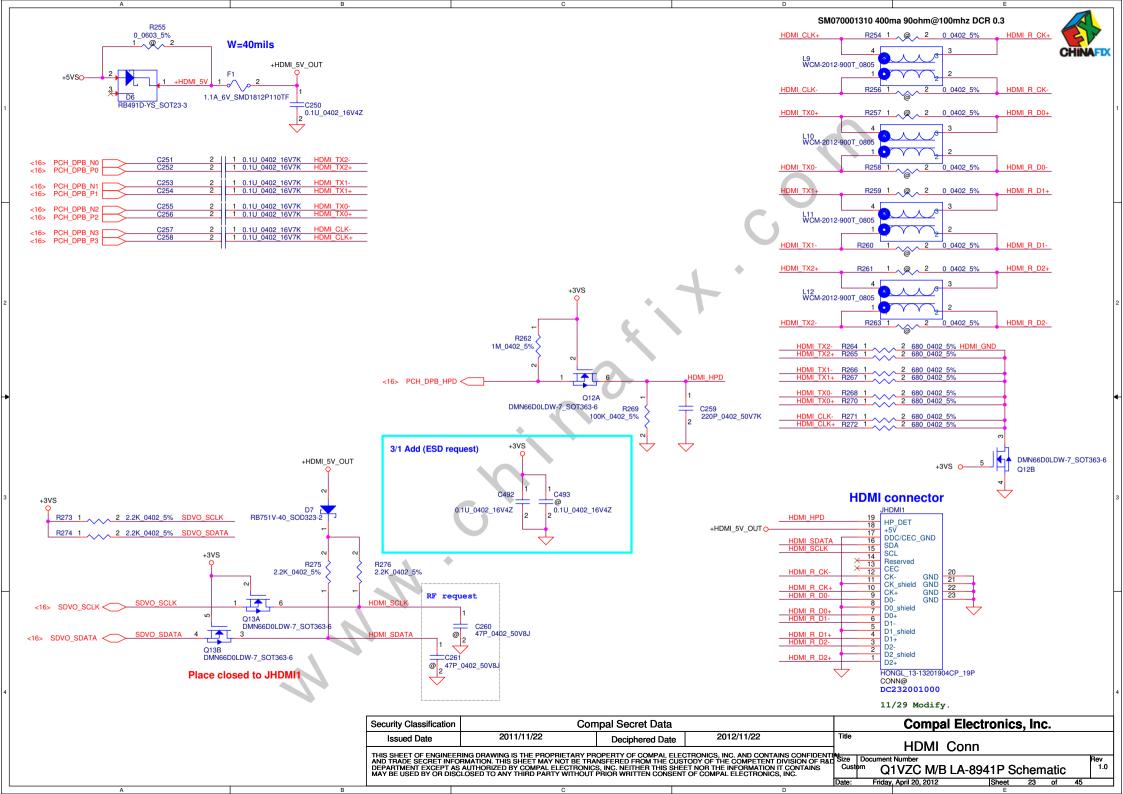
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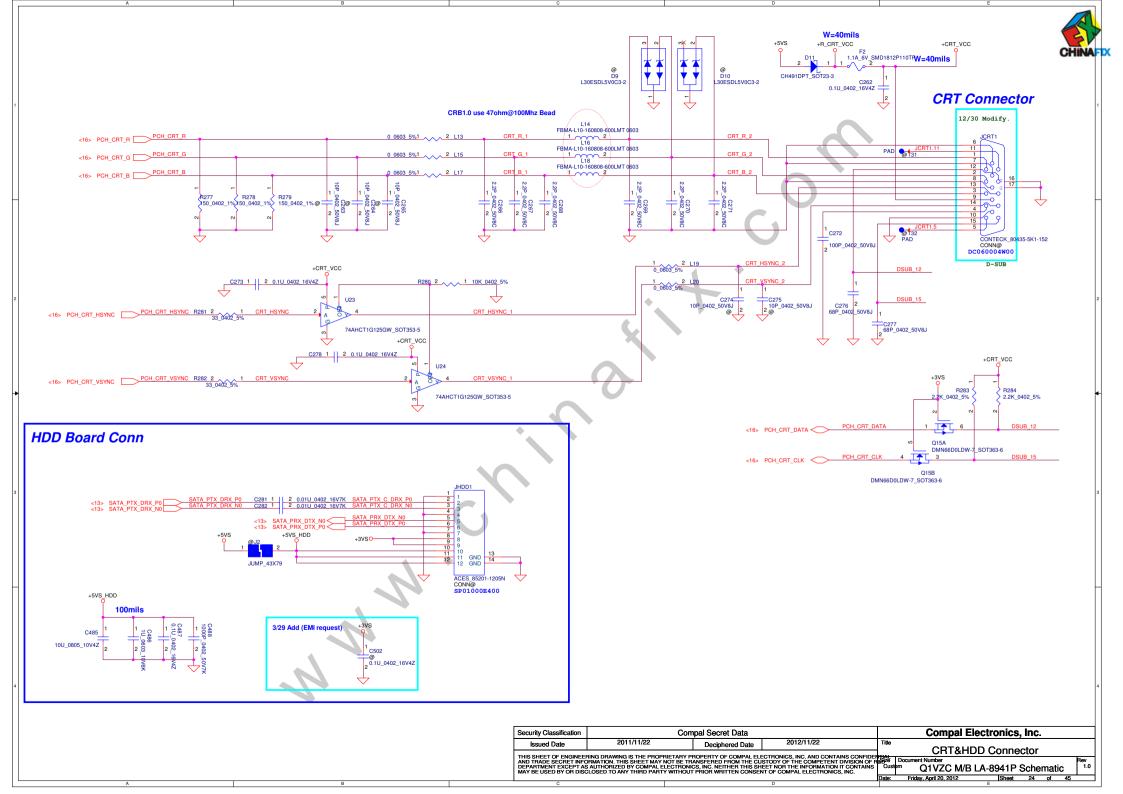
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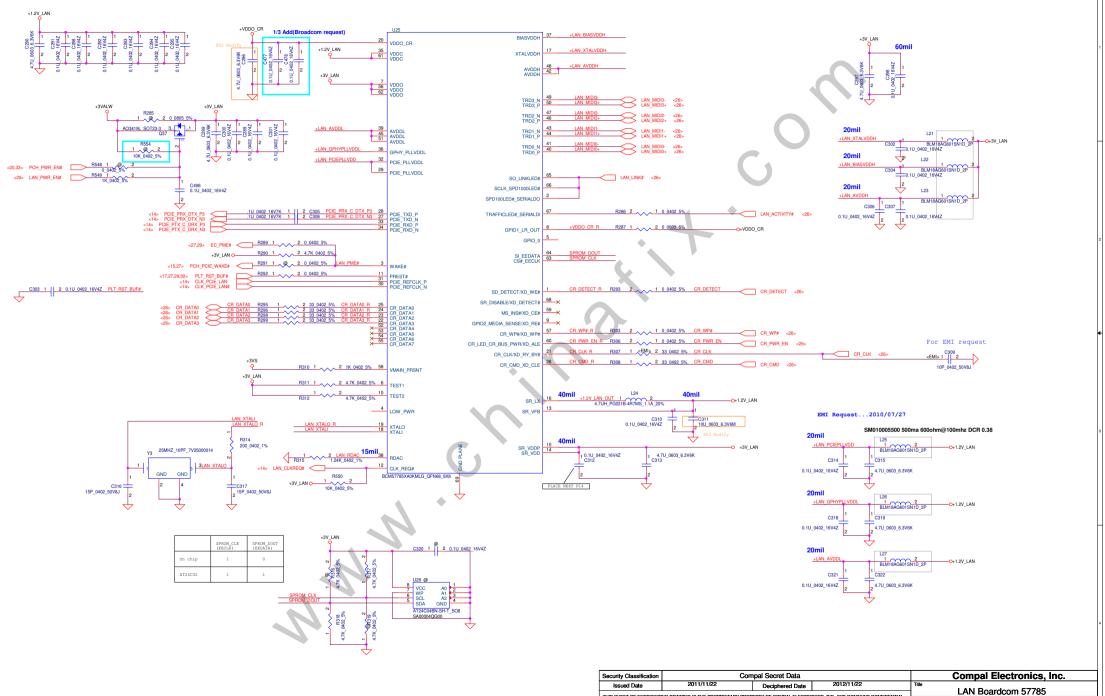


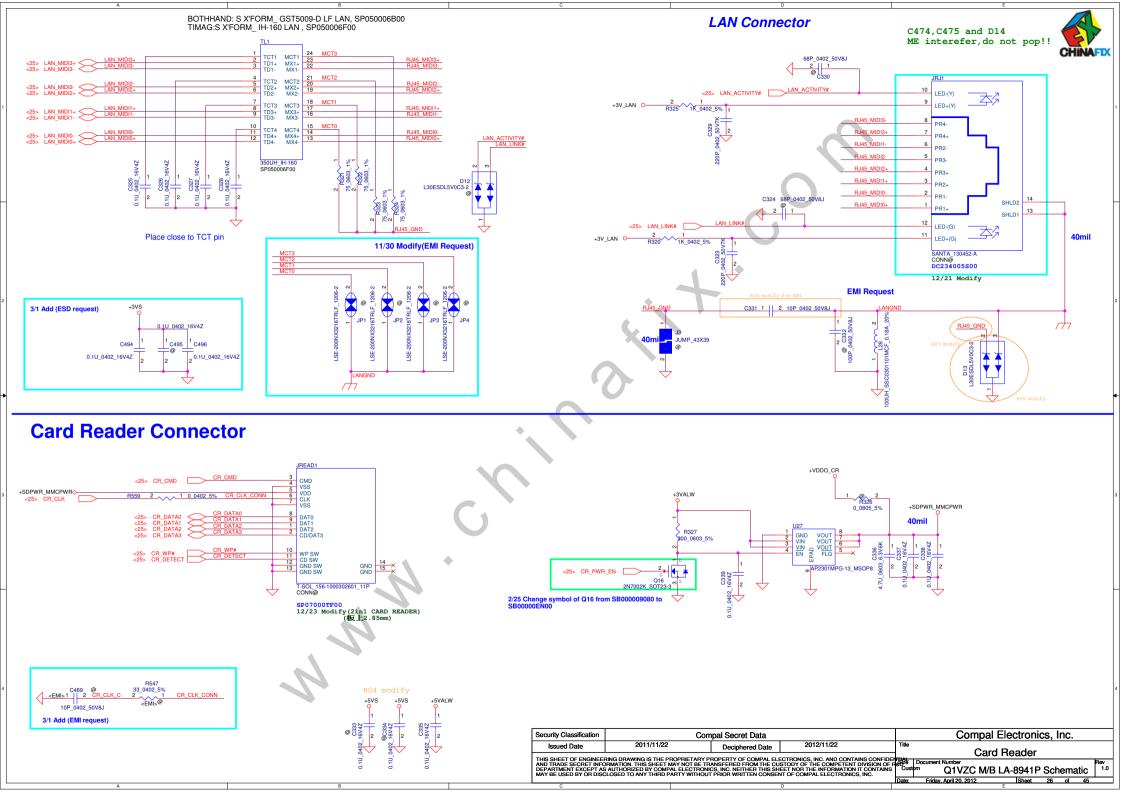


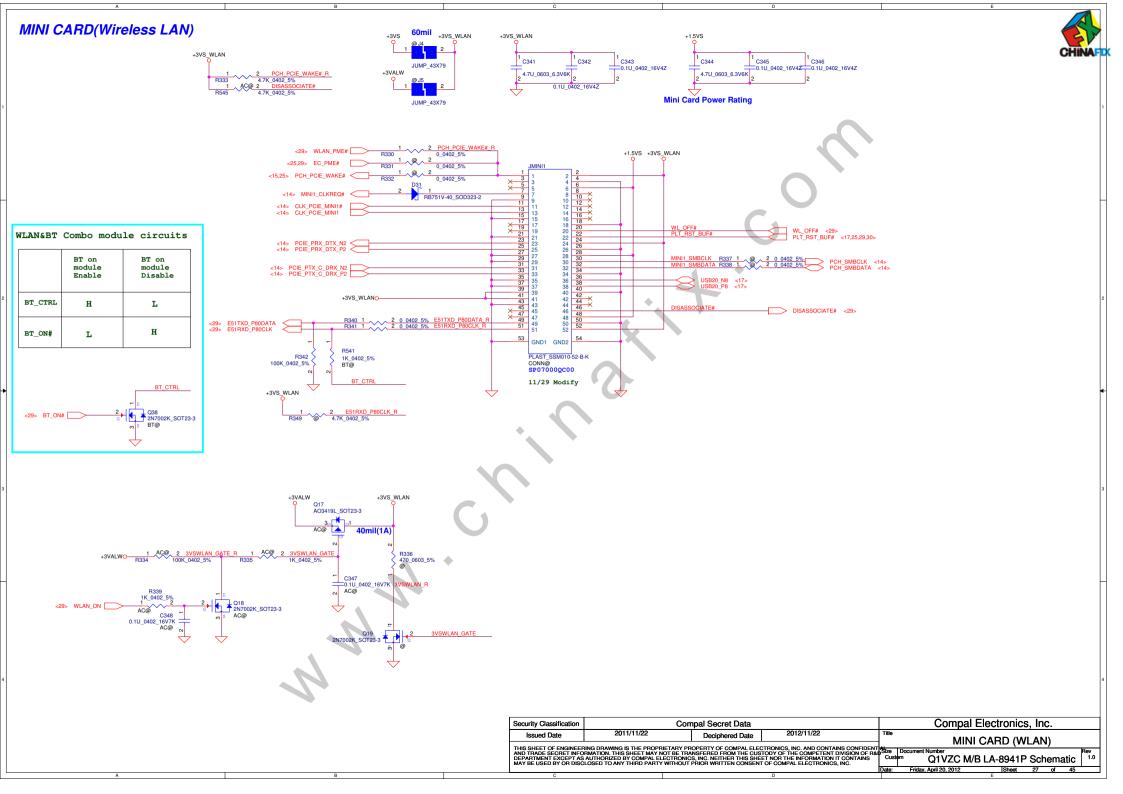


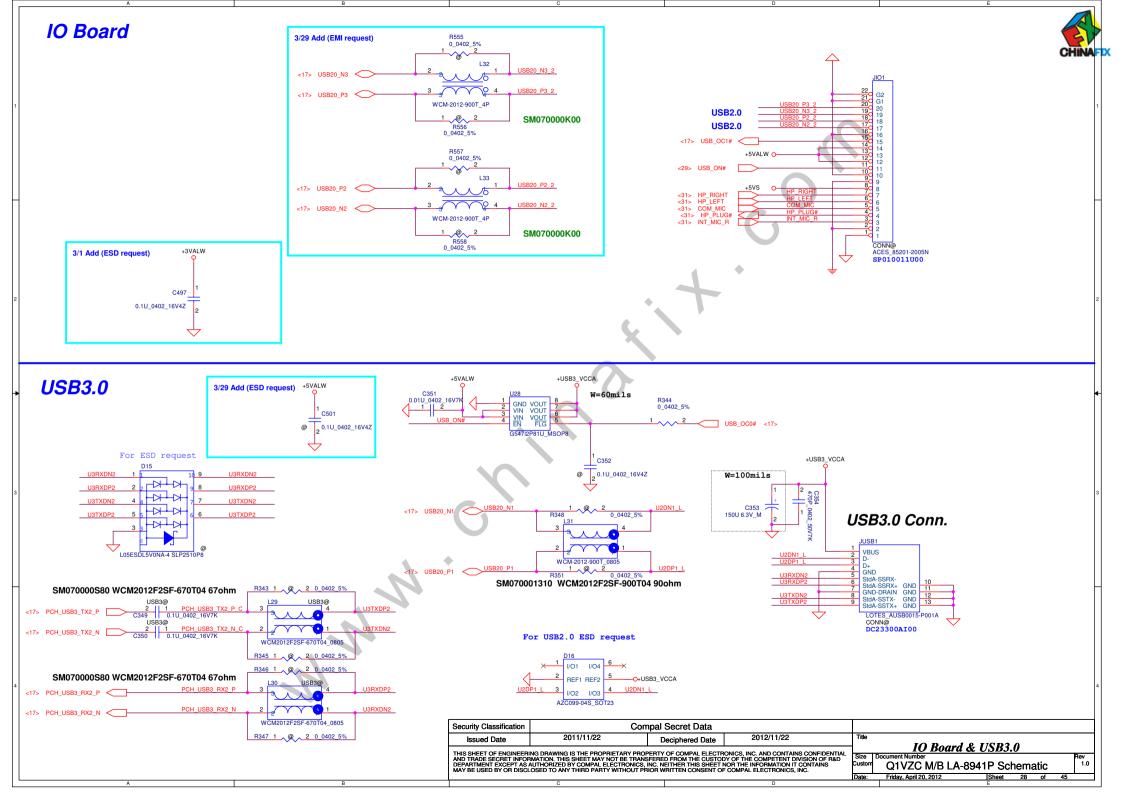


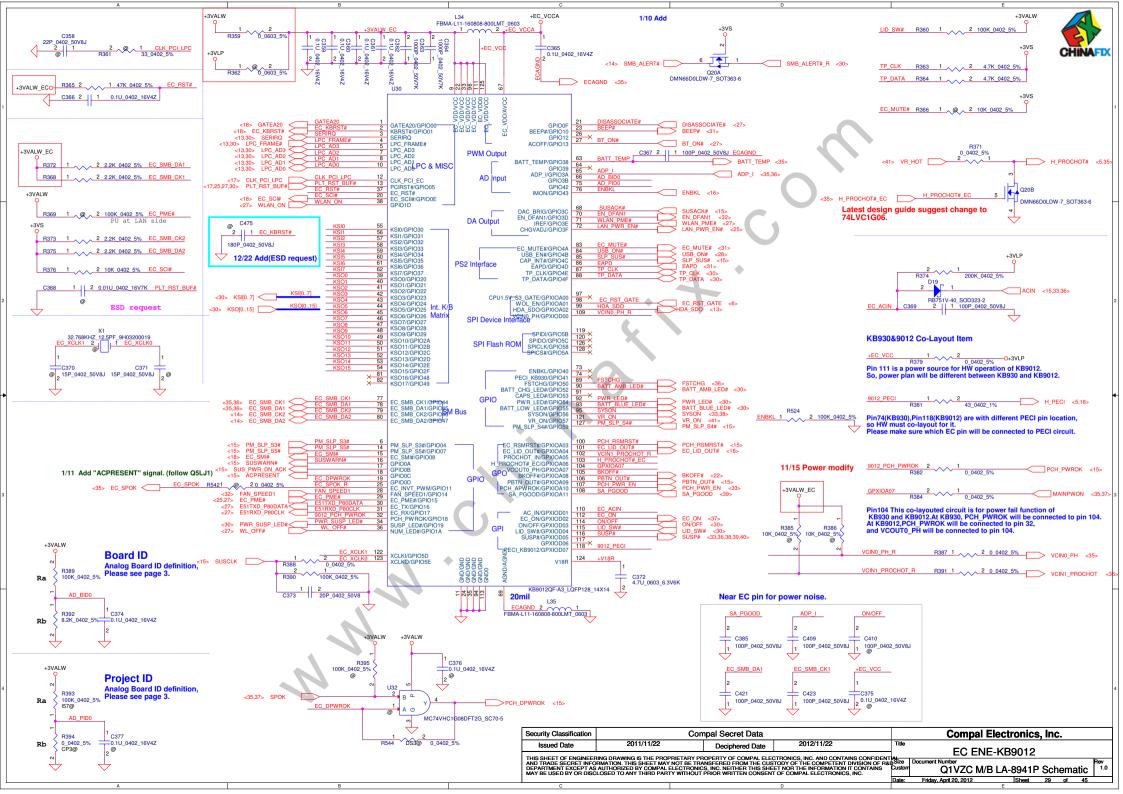
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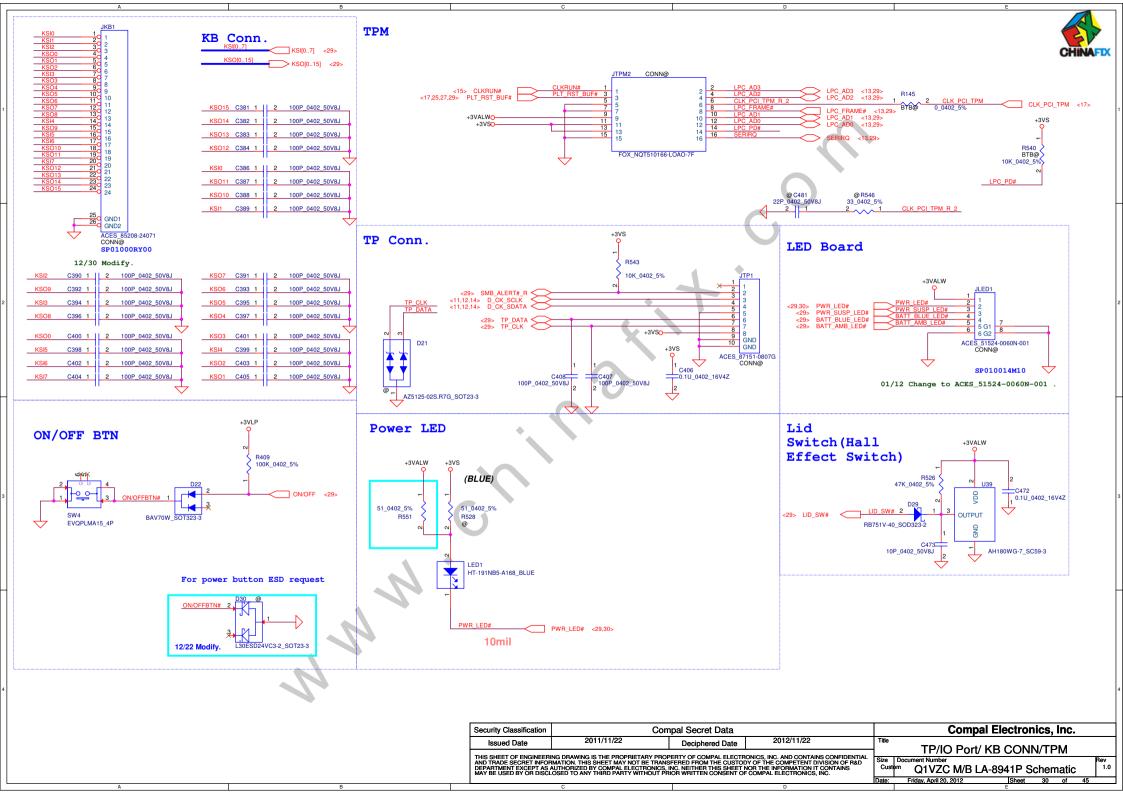


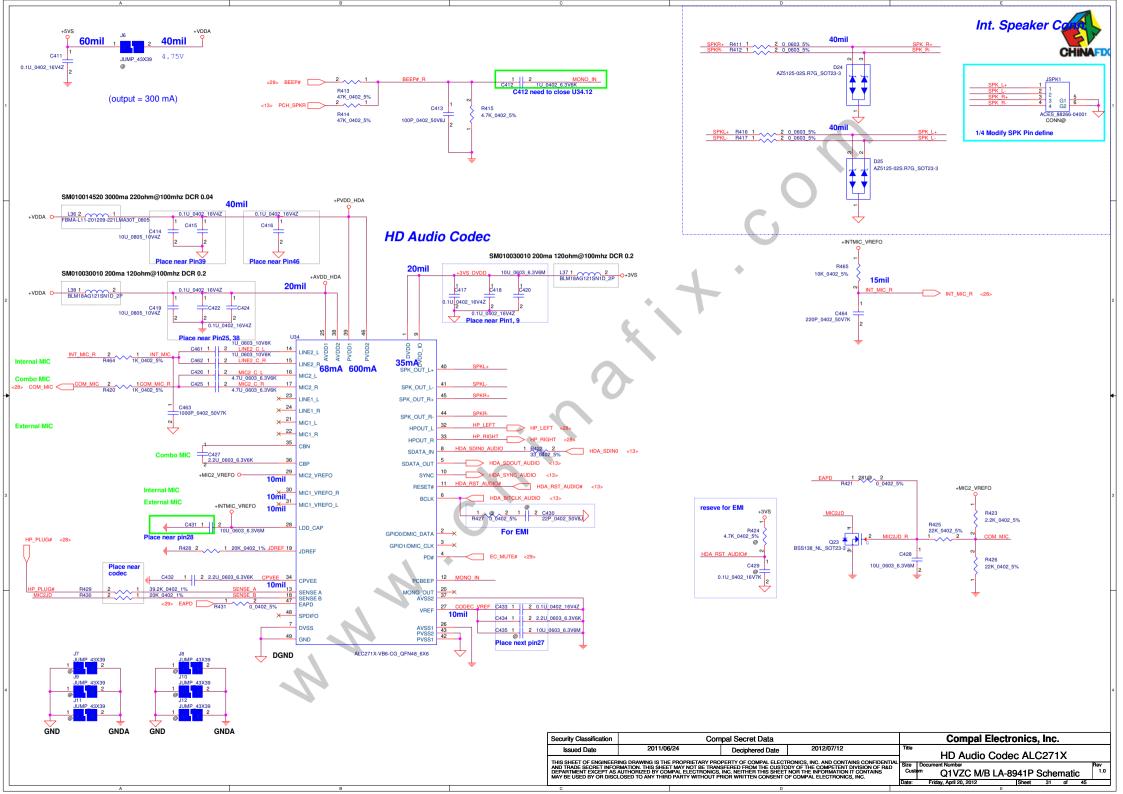


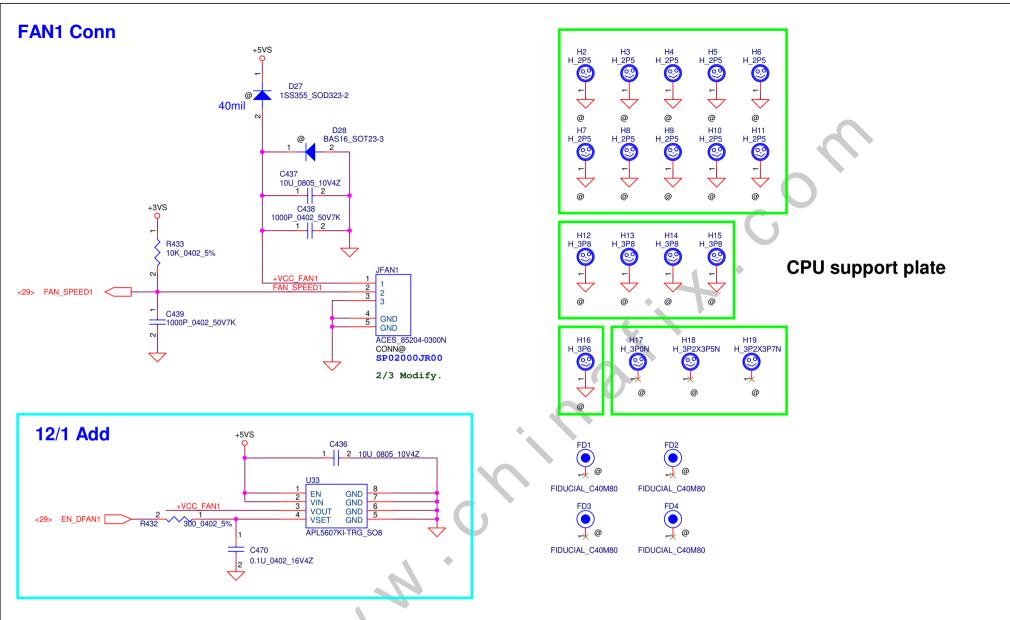




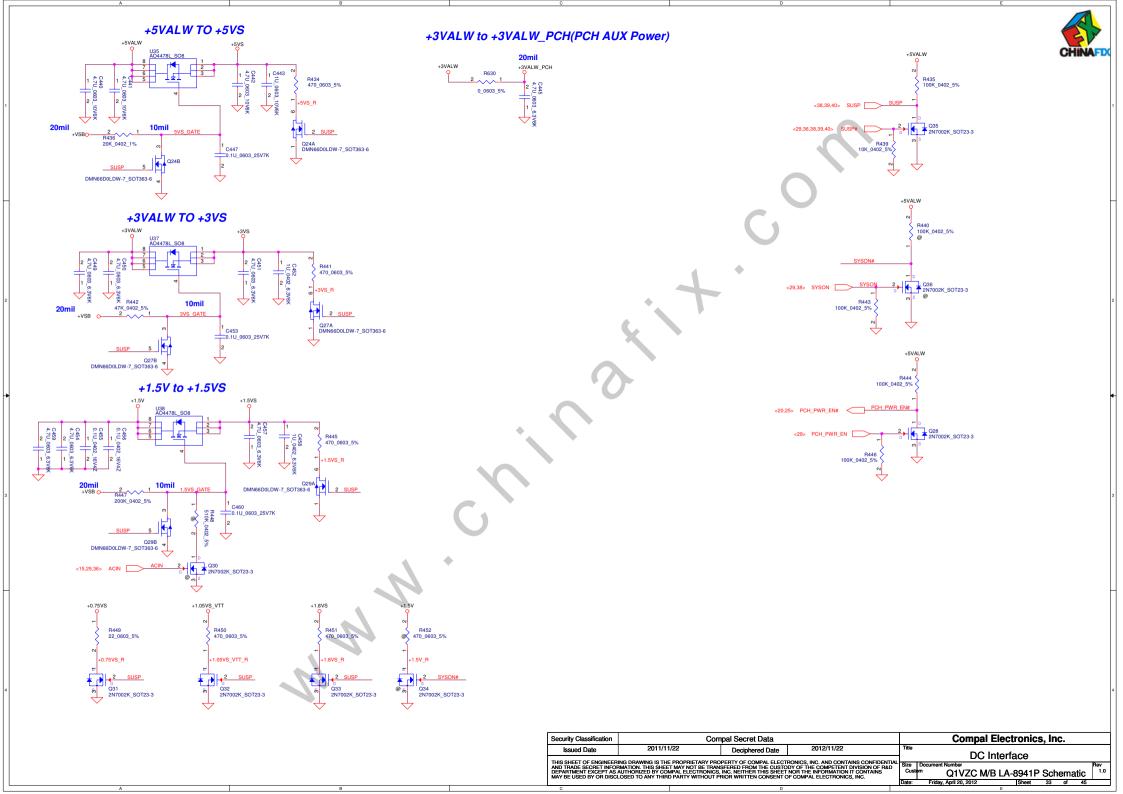


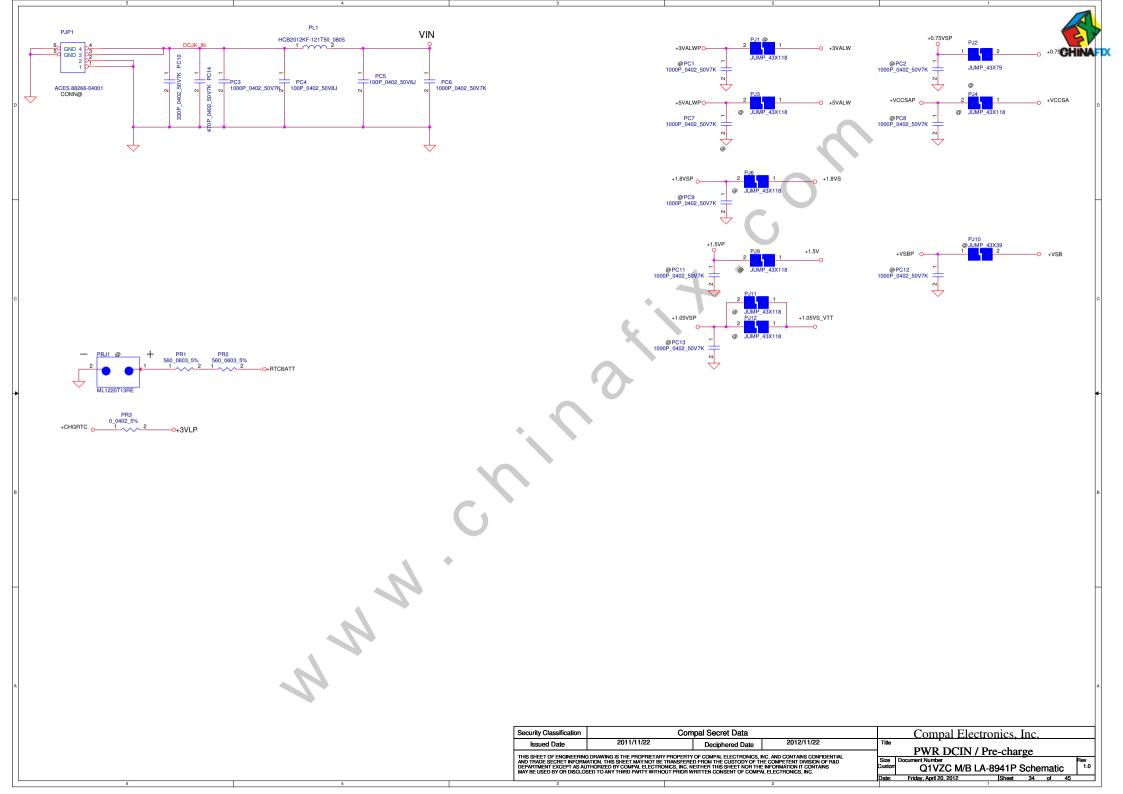


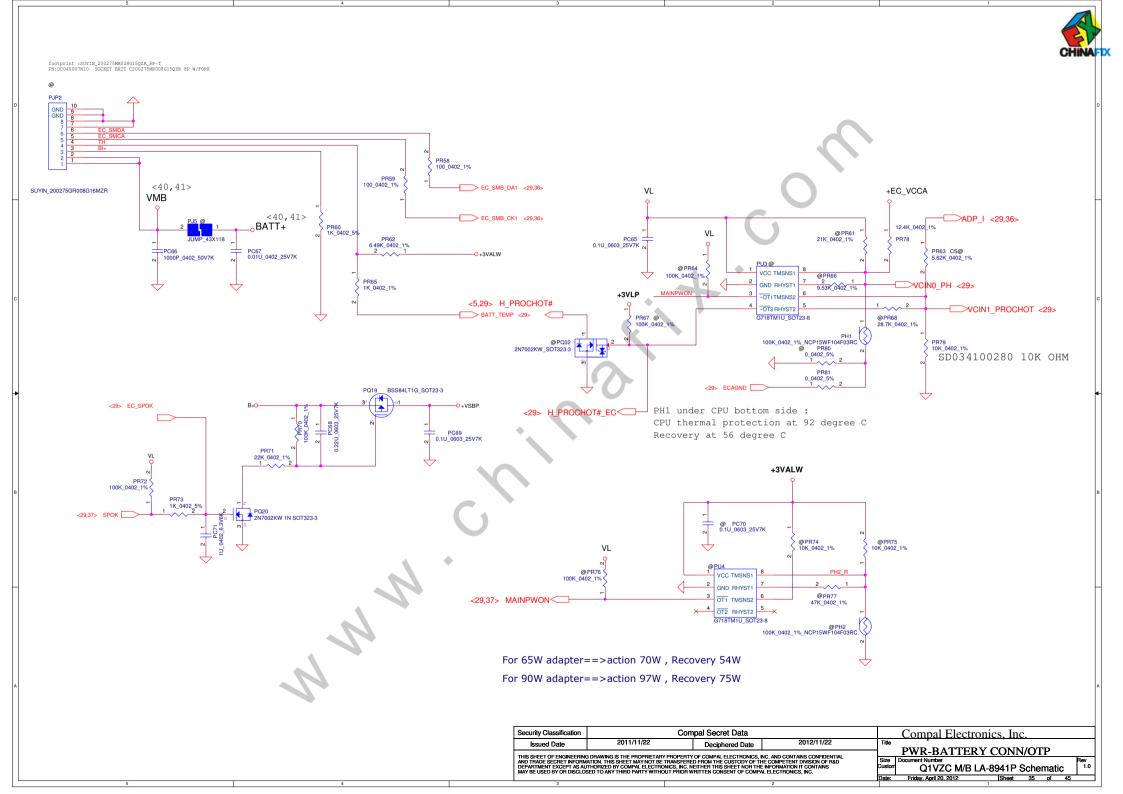


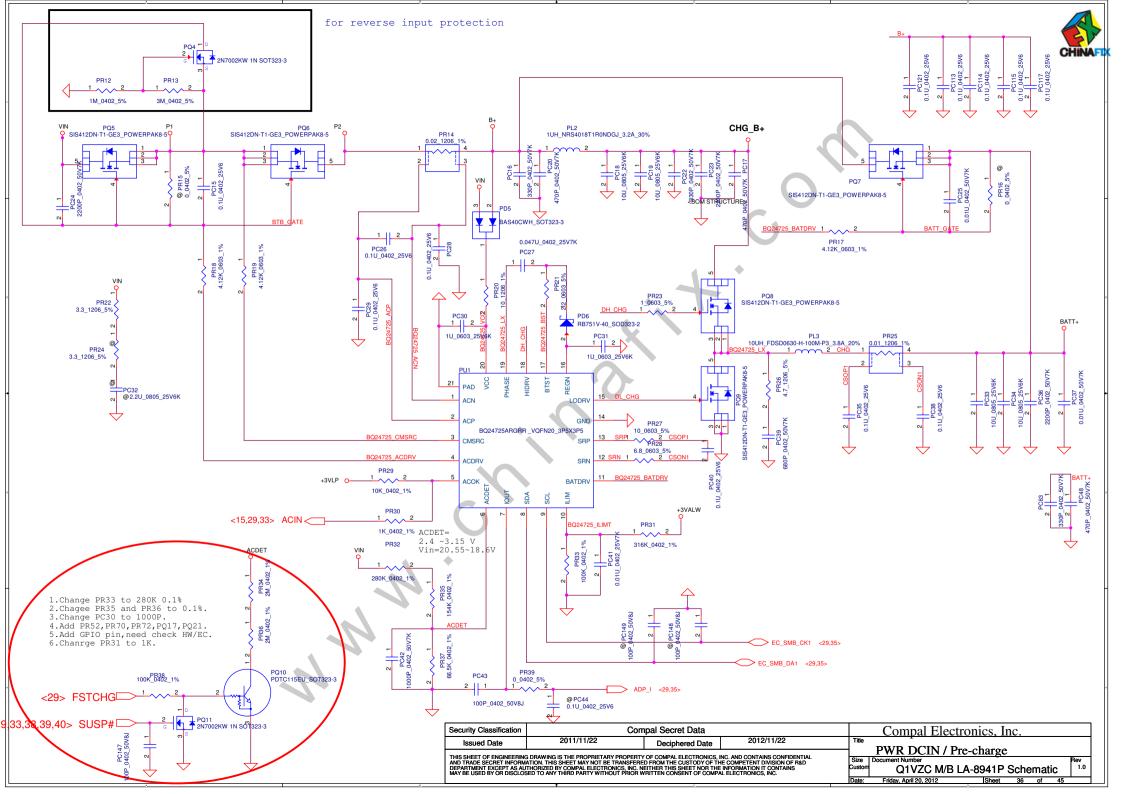


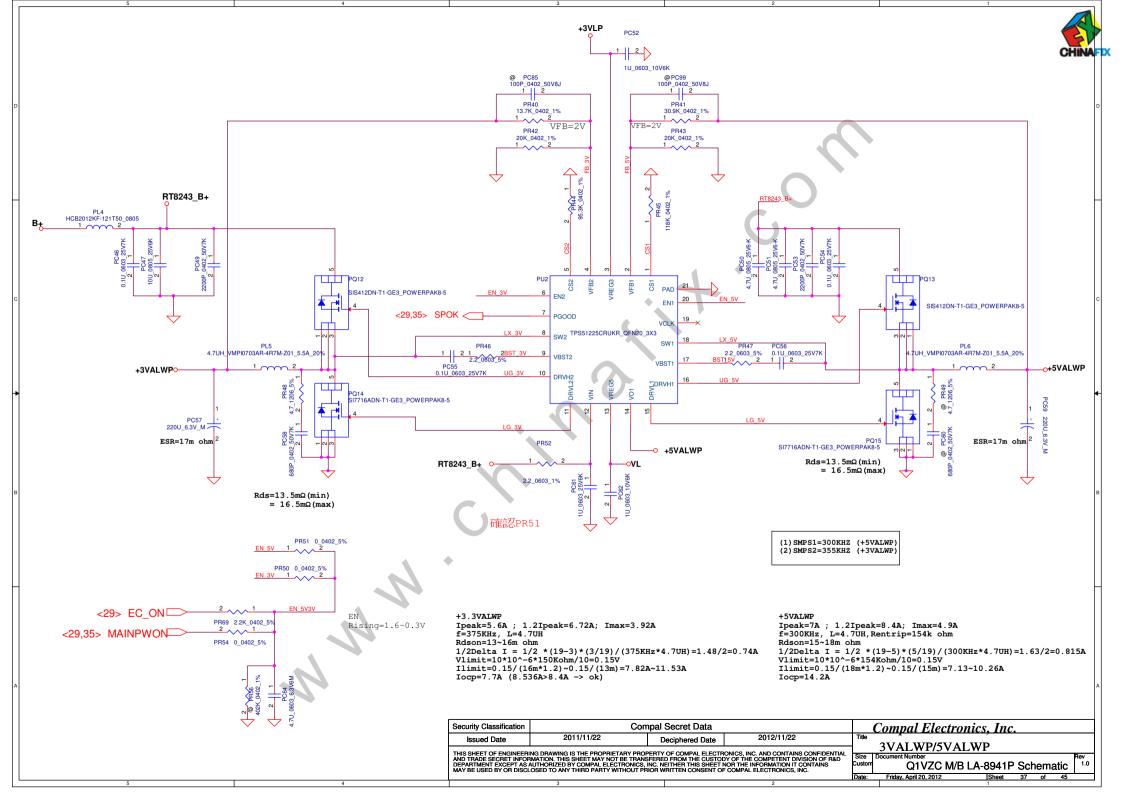
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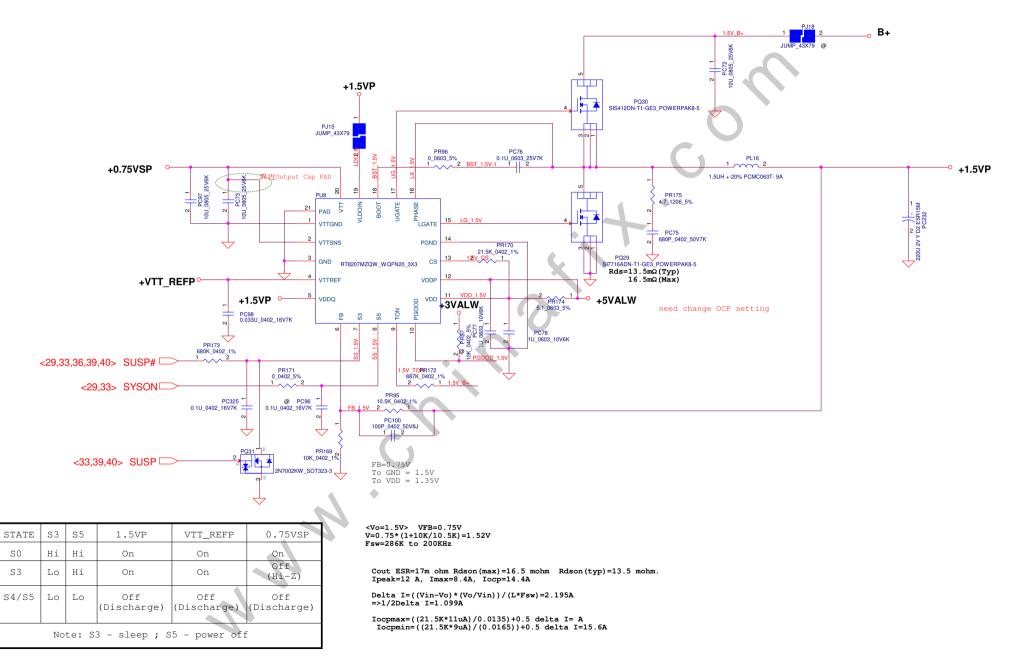




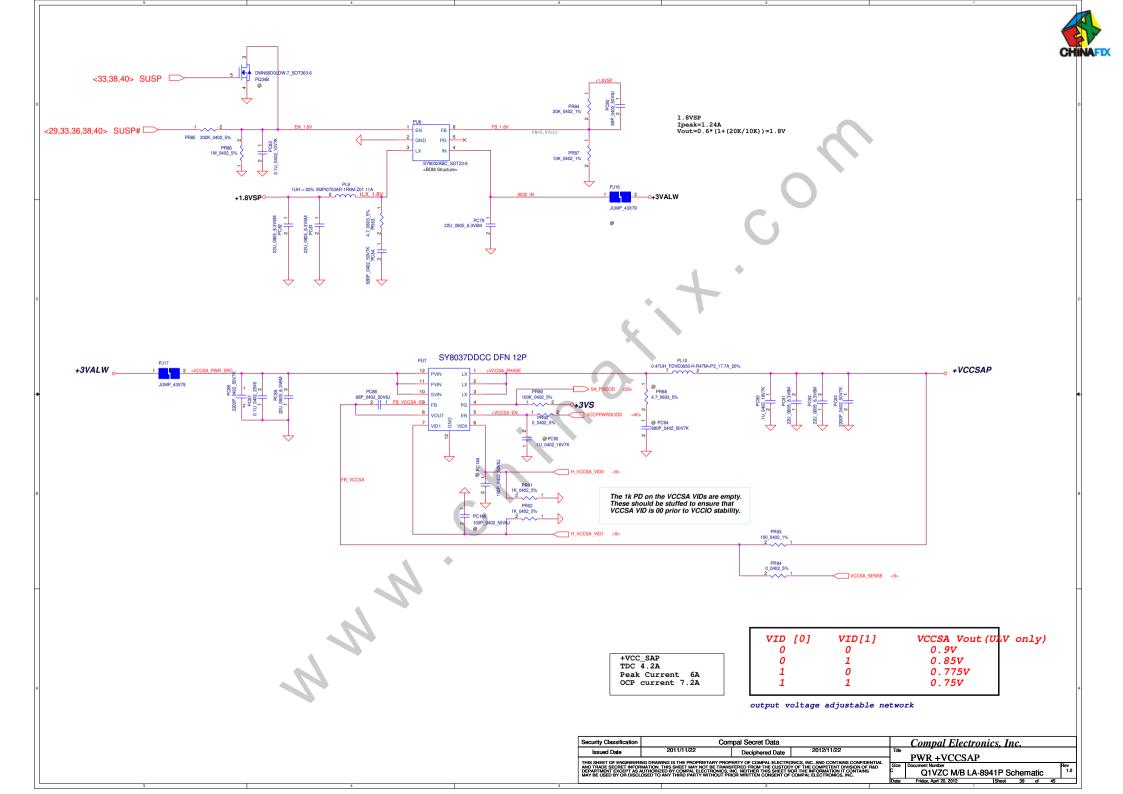


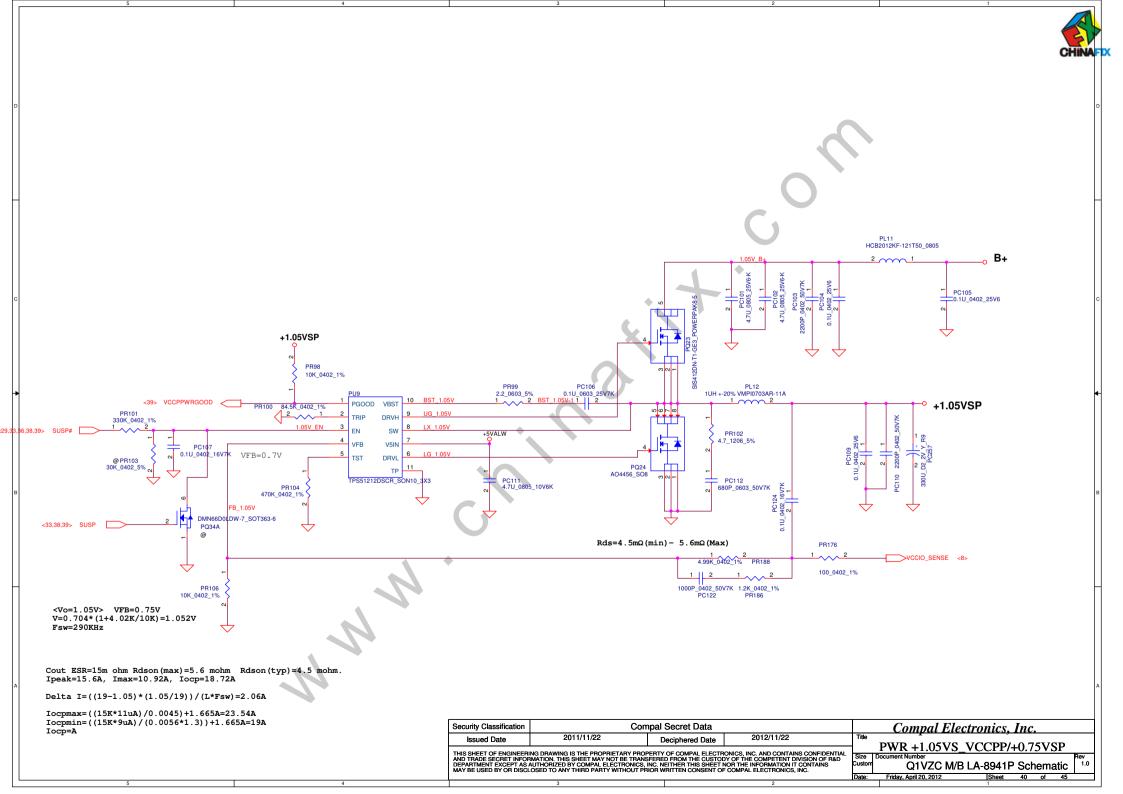




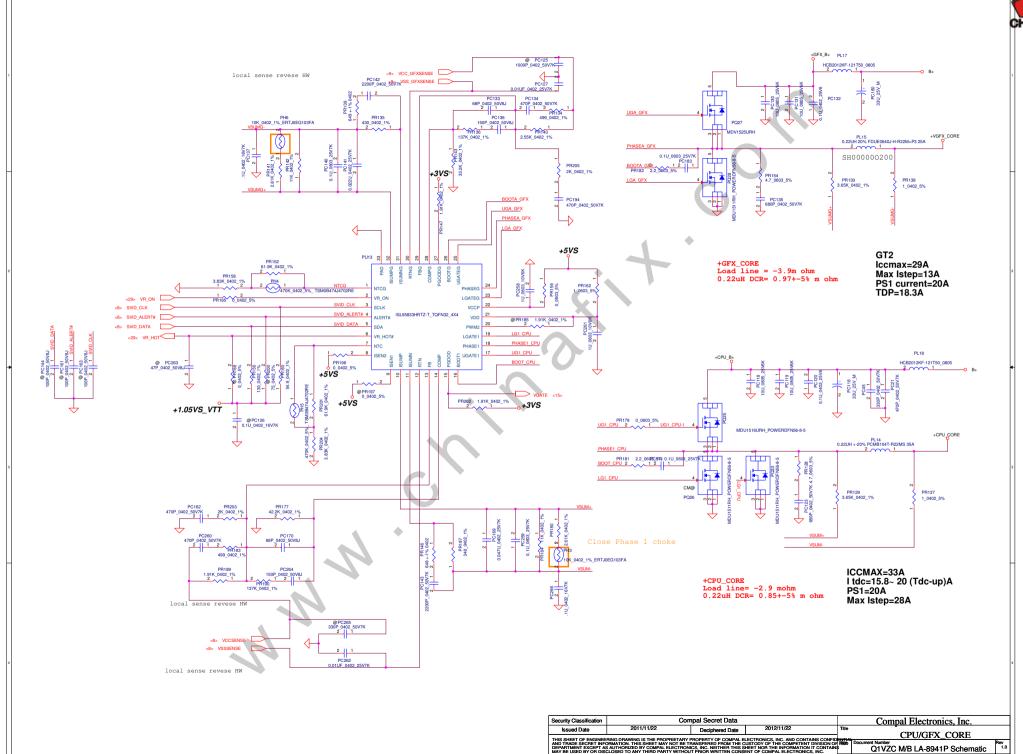


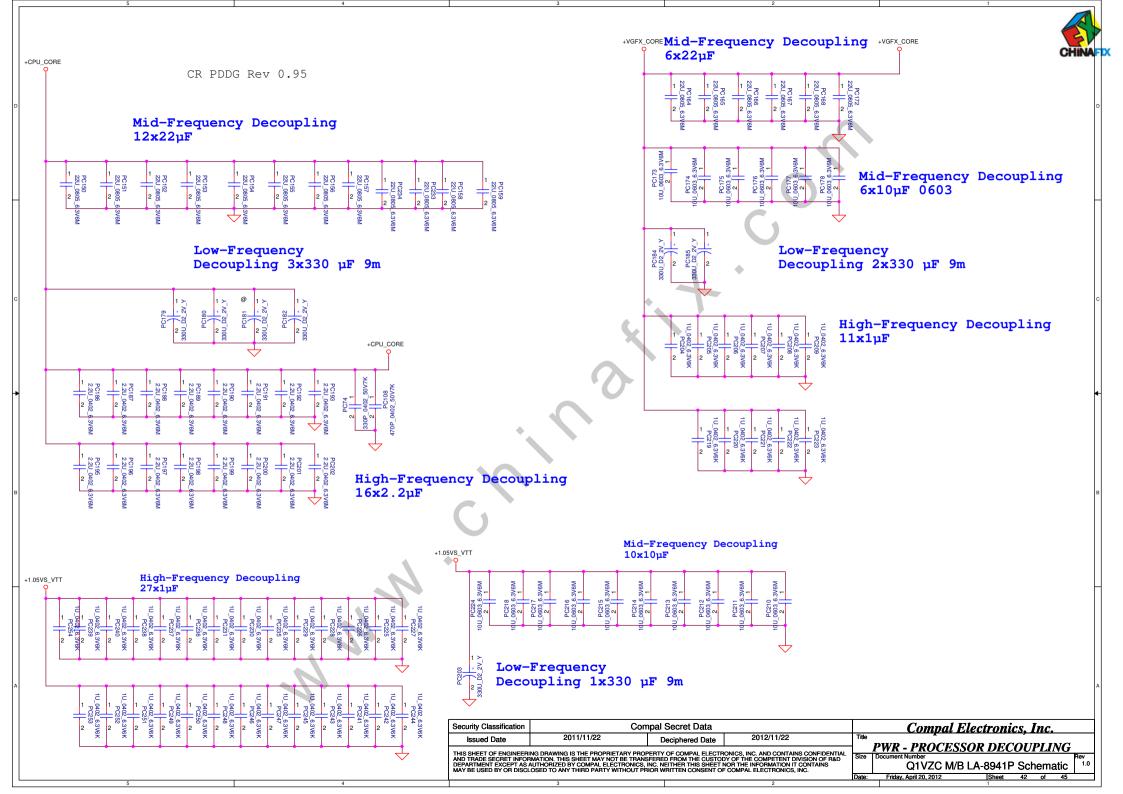
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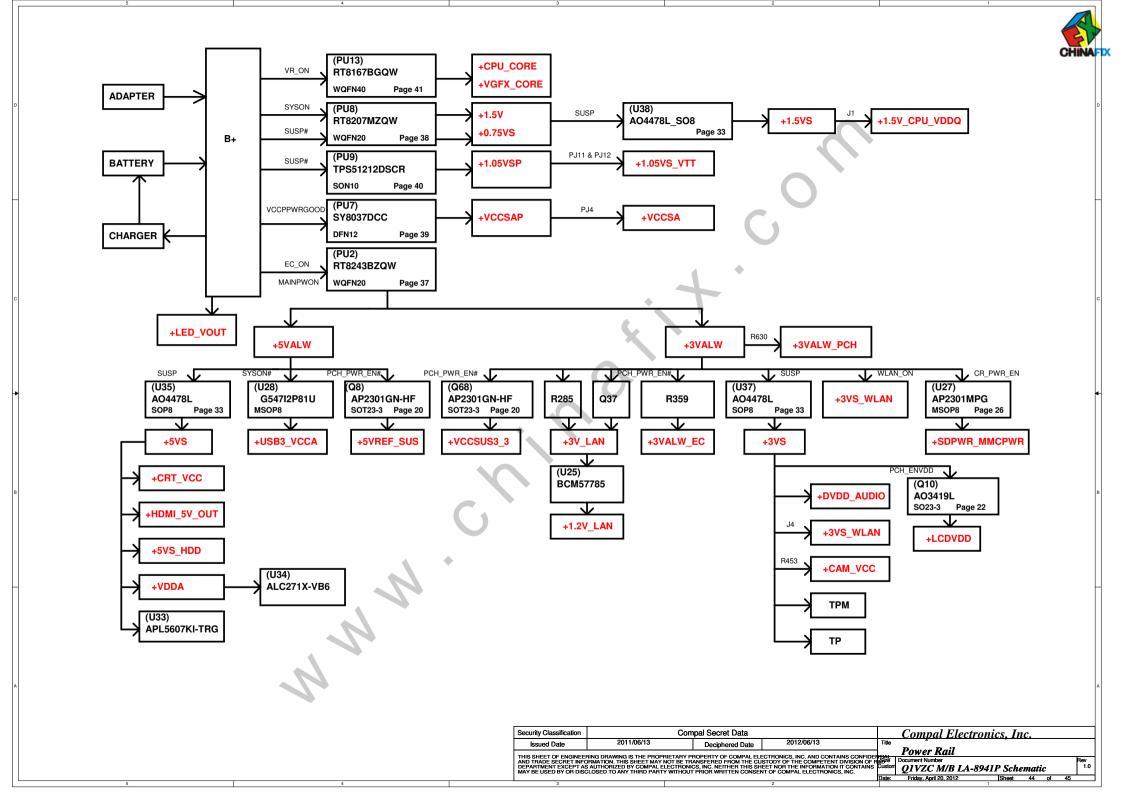


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4					2011/02/08	
5				4.	2011/02/08	
6					2011/02/08	
7					2011/02/16	
8					2011/05/13	PVT2
9					2011/05/13	PVT2
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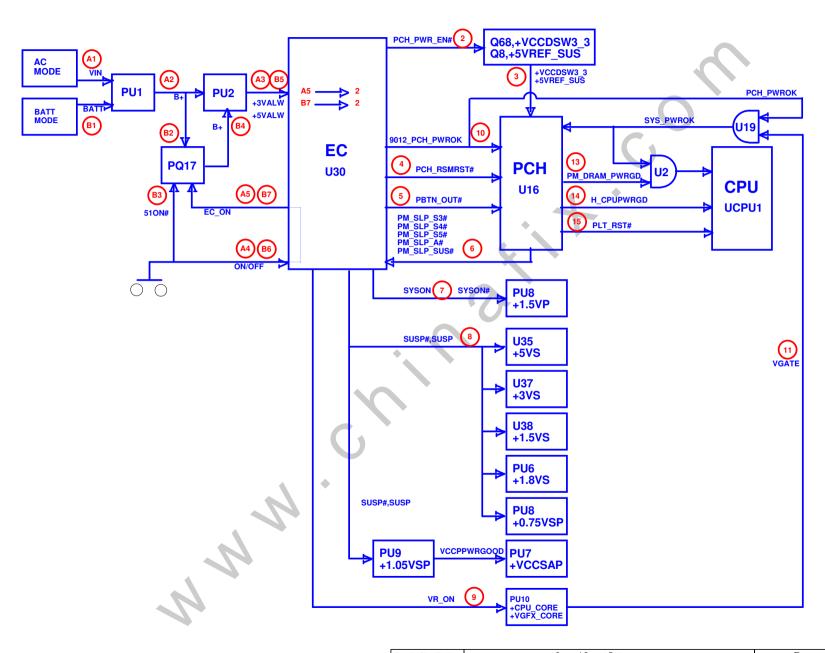
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