

PAGE	CONTENT
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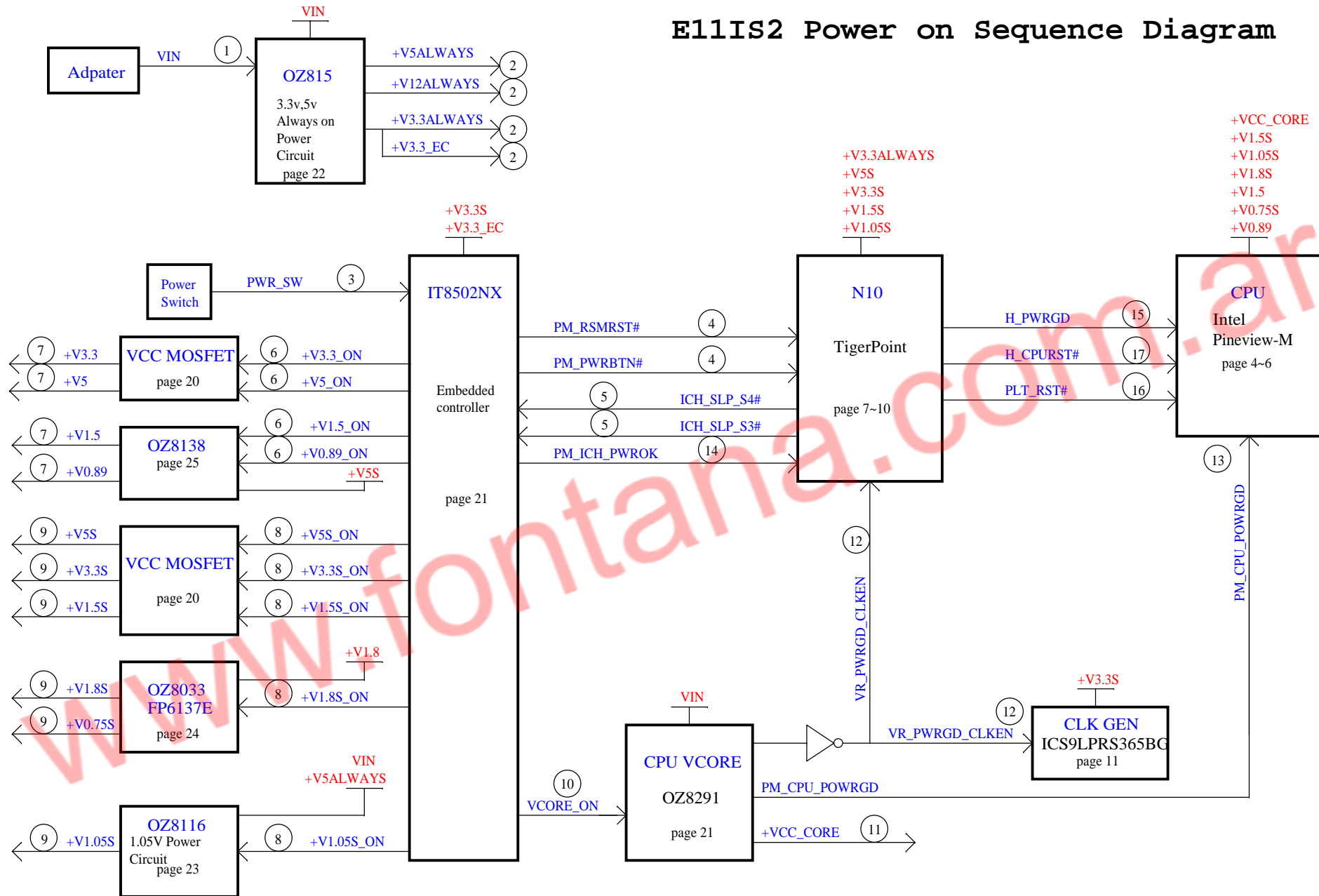
- | | |
|-----|-----------------------------|
| 1. | Cover Page |
| 2. | Sequence Diagram |
| 3. | System Block Diagram |
| 4. | CPU Pineview-1/3 |
| 5. | CPU Pineview-2/3 |
| 6. | CPU Pineview-3/3 |
| 7. | Trgerpoint 1/4 |
| 8. | Tigerpoint 2/4 |
| 9. | Tigerpoint 3/4 |
| 10. | Tigerpoint 4/4 |
| 11. | CLOCK GENERATOR |
| 12. | DDR3 SODIMM |
| 13. | LCD / TPM / G-Sensor /SATA |
| 14. | USB & IO CON |
| 15. | LAN - RTL8103T |
| 16. | Wireless CON |
| 17. | 3G |
| 18. | WEBCAM/TP/RS232/EMI Request |
| 19. | EC IT8502NX |
| 20. | VCC MOSFET |
| 21. | +CPU_CORE (OZ8291) |
| 22. | +V3.3 / +V5(OZ815) |
| 23. | +V1.05S (OZ8116) |
| 24. | +V1.8S / +V0.75S |
| 25. | +V1.5/+V0.89S (OZ8138) |
| 26. | DC IN/BATT IN/Charger |
| 27. | IO LED & USB |
| 28. | IO CRT |
| 29. | IO AUDIO CDOEC |

Power Rail

+VCC_CORE	Core voltage for Processor(off in S3-S5)
+V1.05S	1.05V switched power rail (off in S3-S5)
+V1.5	1.8V power rail (off in S4-S5)
+V0.75S	0.9V switched power rail(off in S3-S5)
+V1.5S	1.5V switched power rail (off in S3-S5)
+V0.89S	0.89V switched power rail (off in S3-S5)
+V1.8S	1.8V switched power rail (off in S4-S5)
+V5	5V power rail (off in S4-S5)
+V5S	5V switched power rail (off in S3-S5)
+V5ALWAYS	5V always on power rail
+V3.3ALWAYS	3.3V always on power rail
+V3.3S	3.3V switched power rail (off in S3-S5)
+V3.3	3.3V power rail (off in S4-S5)

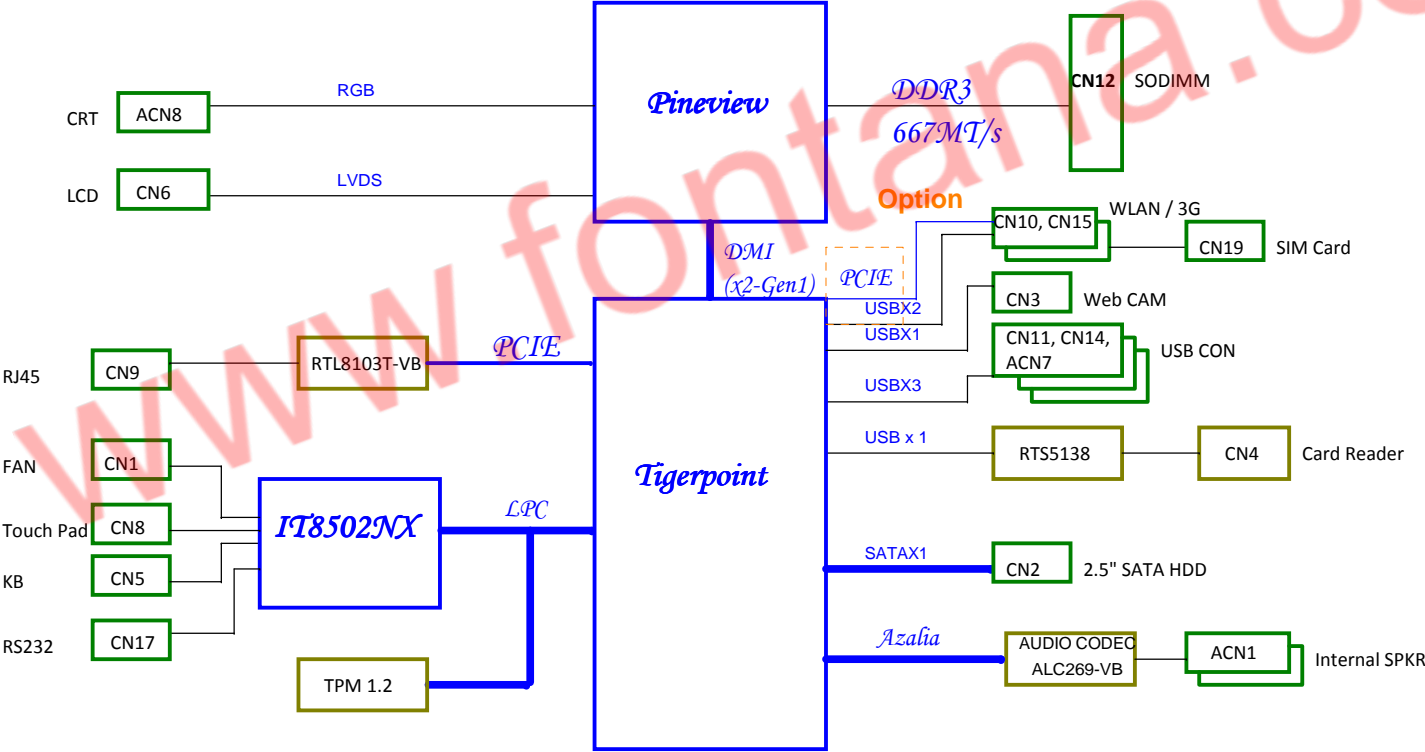
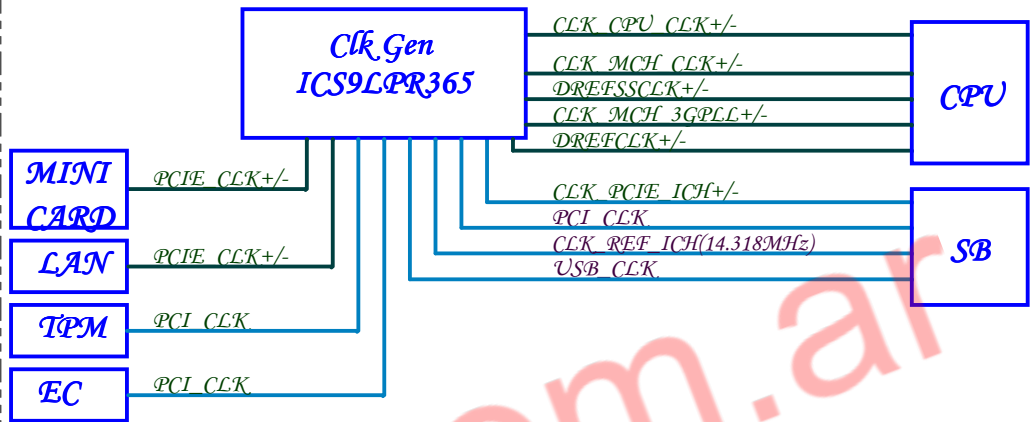
+V□□ALWAYS	Always on power rail
+V□□	Switched power rail (off in S4 - S5)
+V□□S	Switched power rail (off in S3 - S5)

E11IS2 Power on Sequence Diagram



System Block Diagram

Clock delivery Block



PCS ELITEGROUP

Project : E11IS2

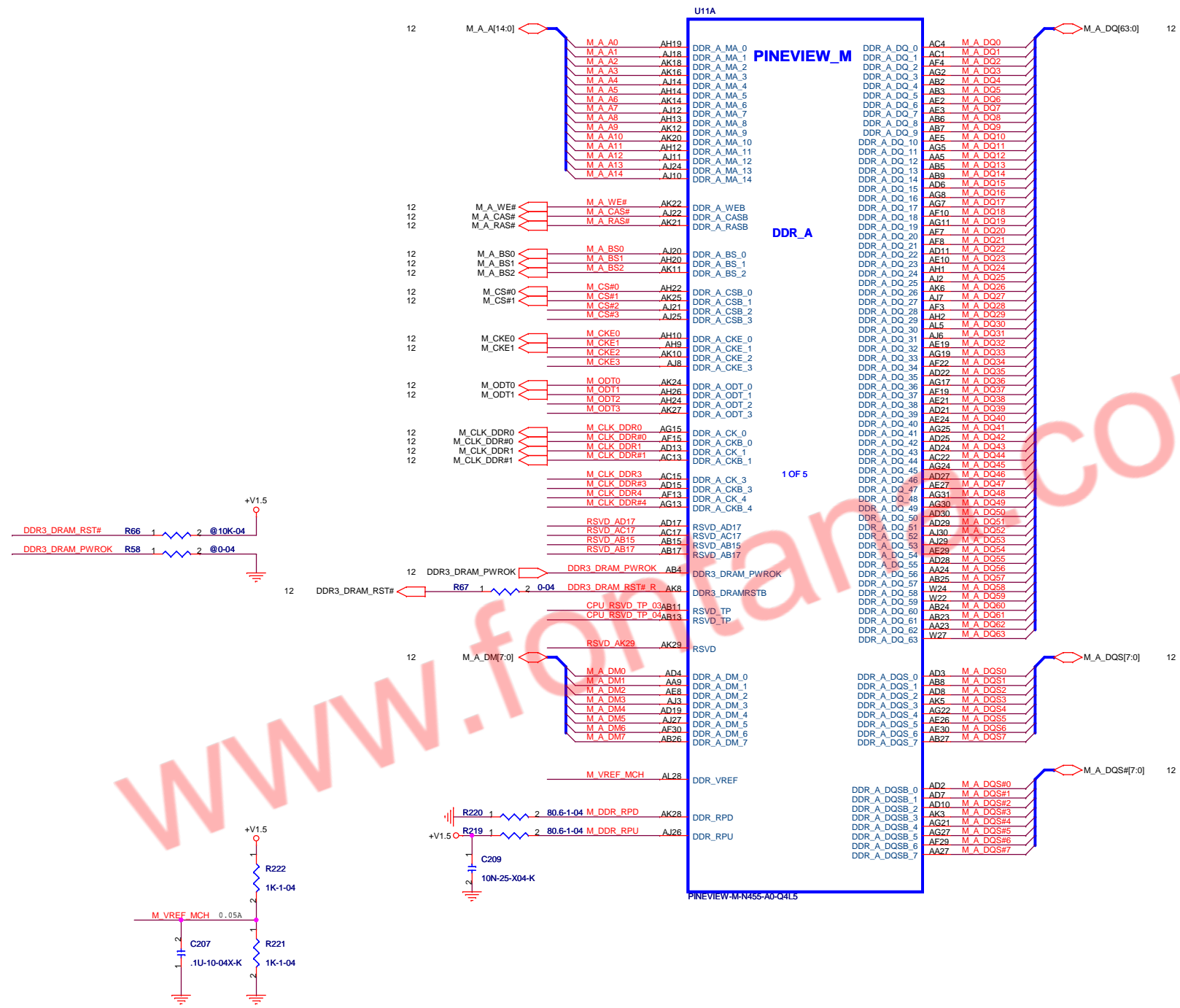
Size Document Number

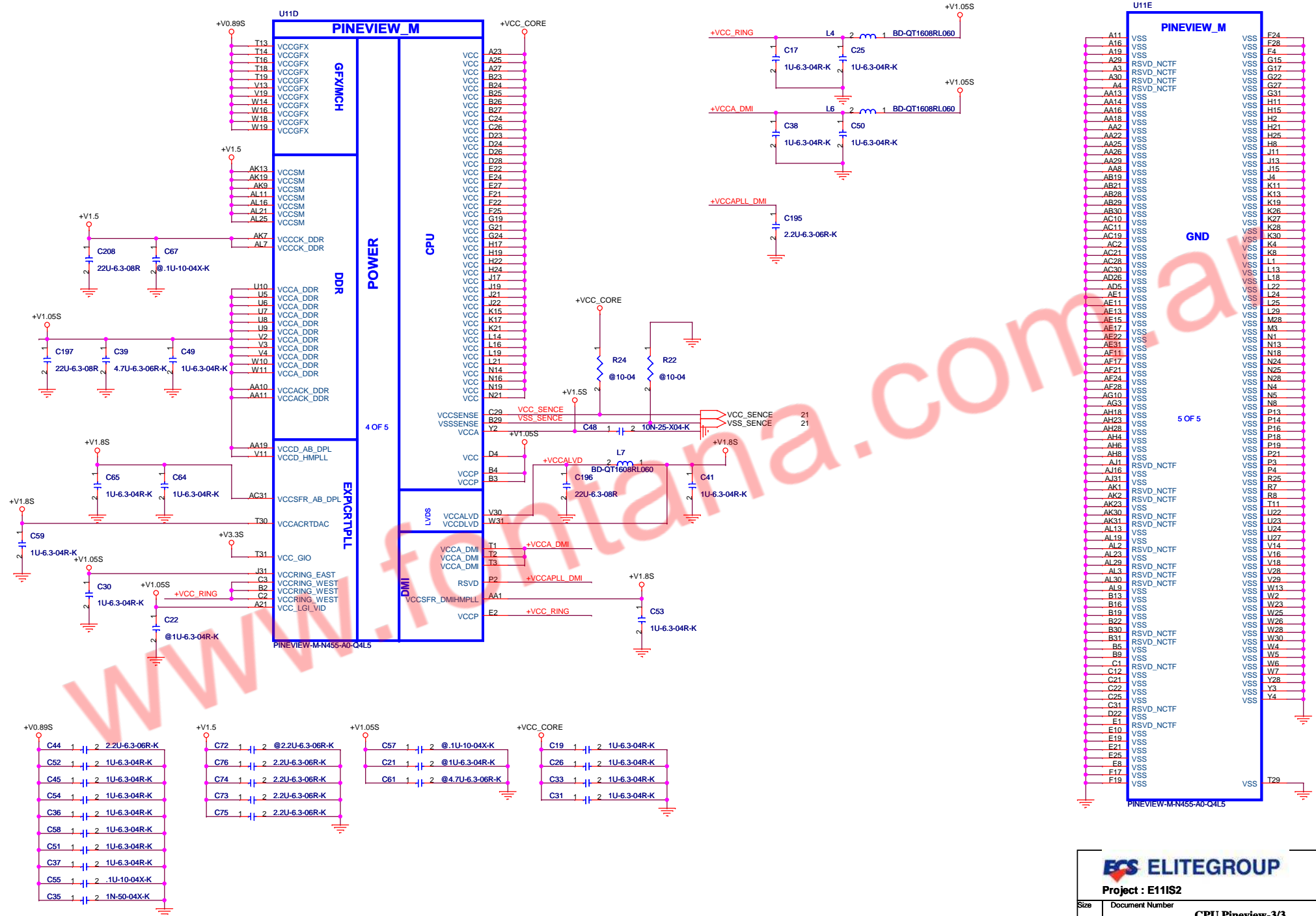
SYSTEM BLOCK DIAGRAM

Date: Wednesday, April 07, 2010

Sheet 3 of 29

Rev B

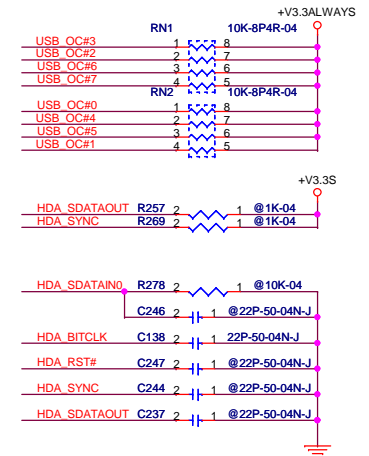
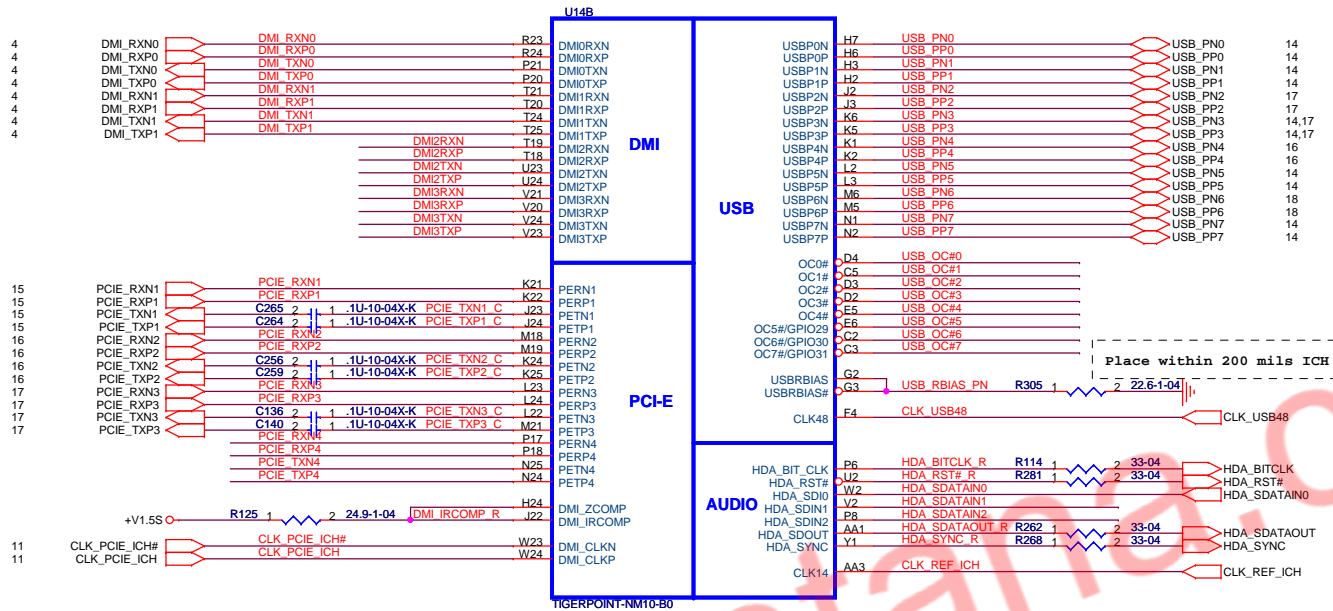




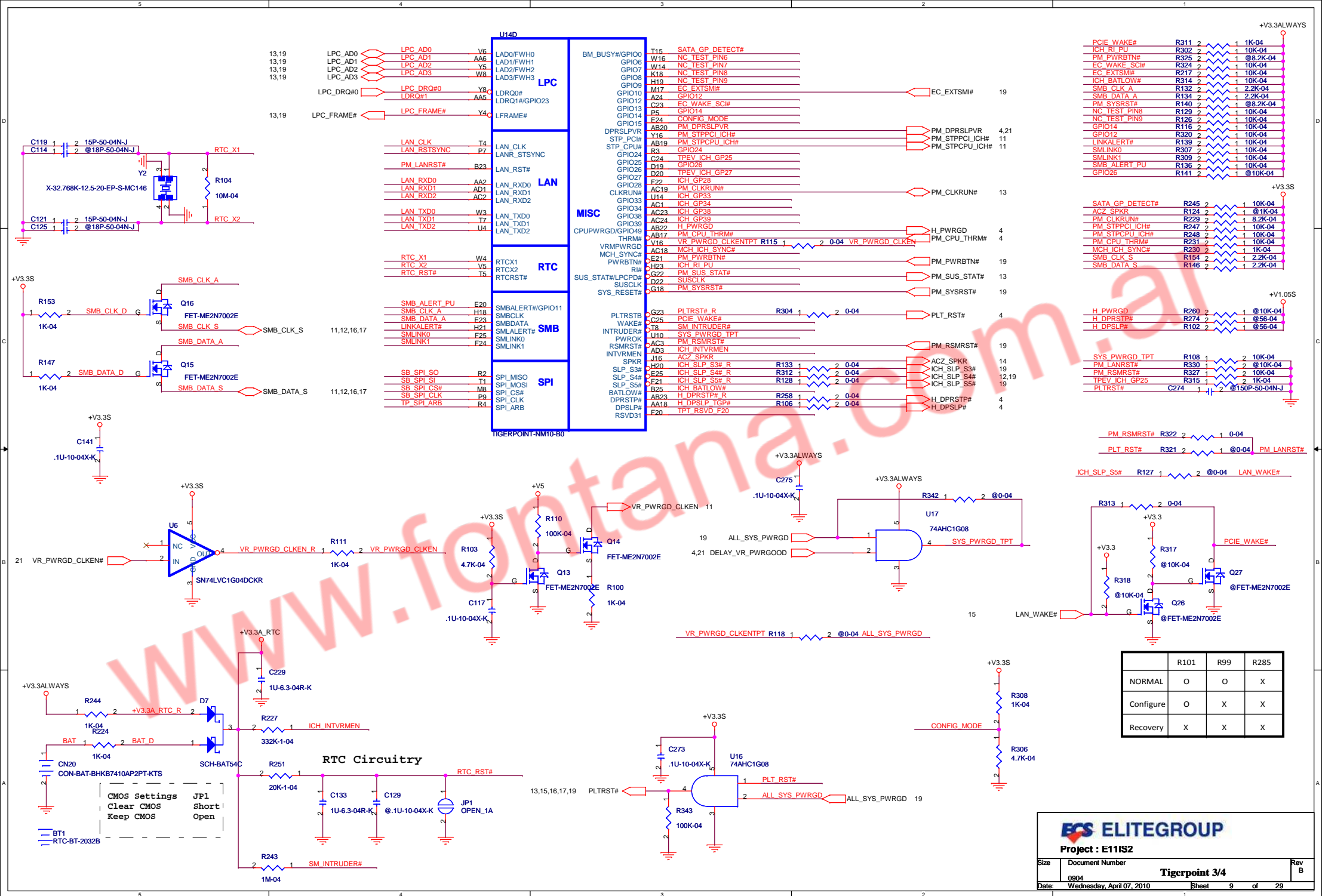
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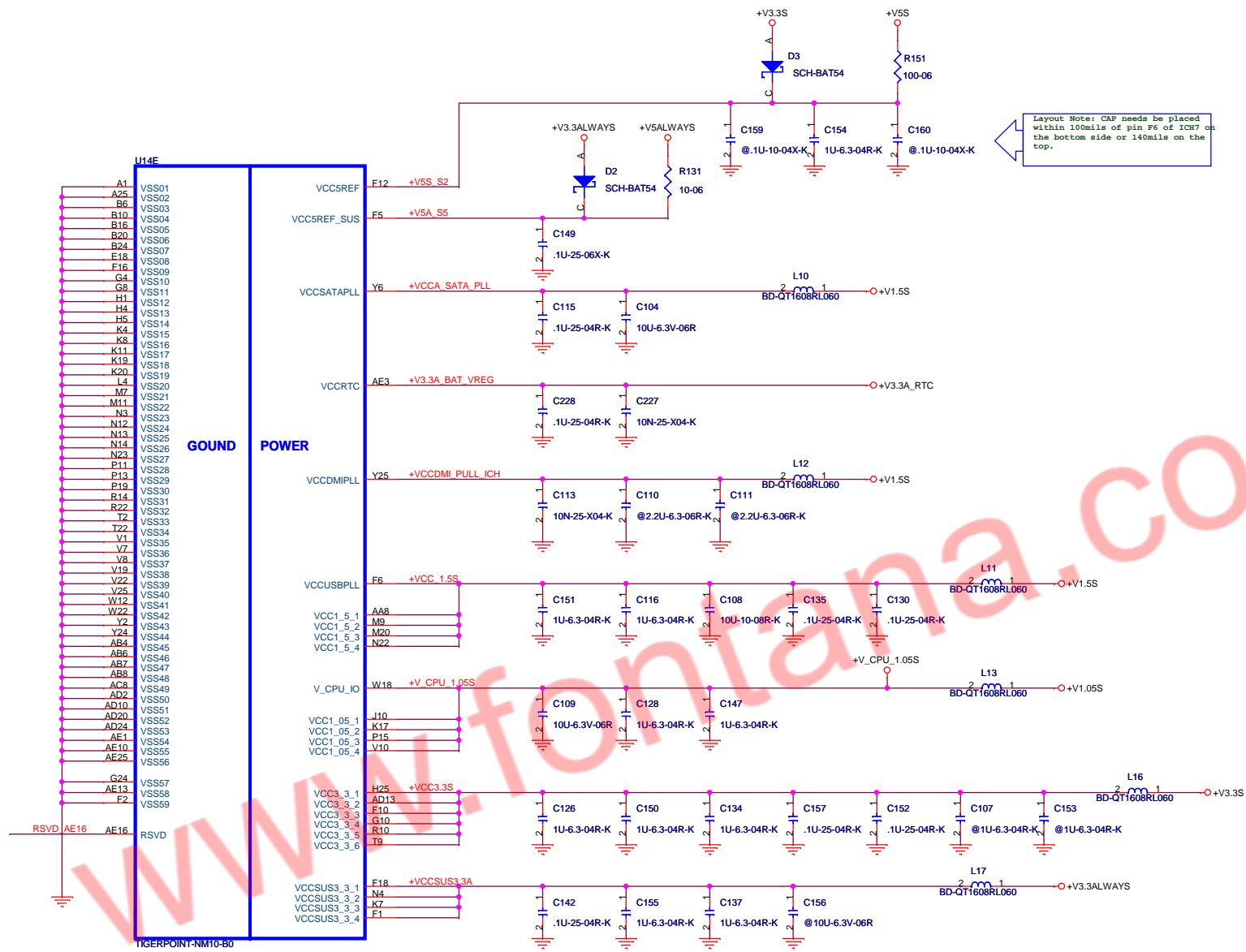
Project : E11IS2

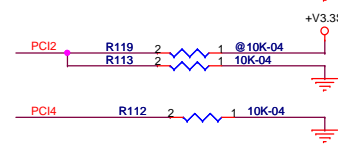
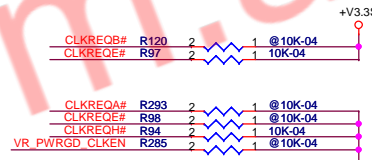
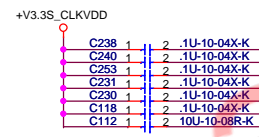
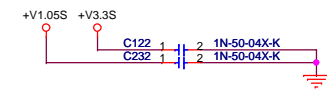
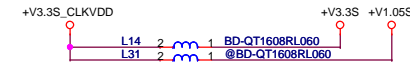
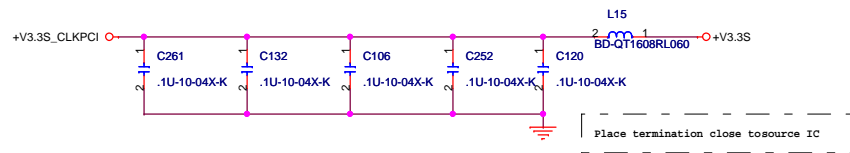
Size	Document Number	Rev
0904	CPU Pineview-3/3	B
Date:	Wednesday, April 07, 2010	Sheet 6 of 29



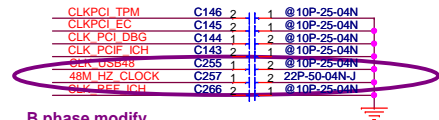
HDA_SDATAOUT	PCI Express port config bit 1
HDA_SYNC	PCI Express port config bit 0



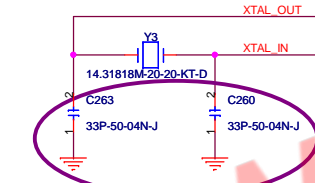
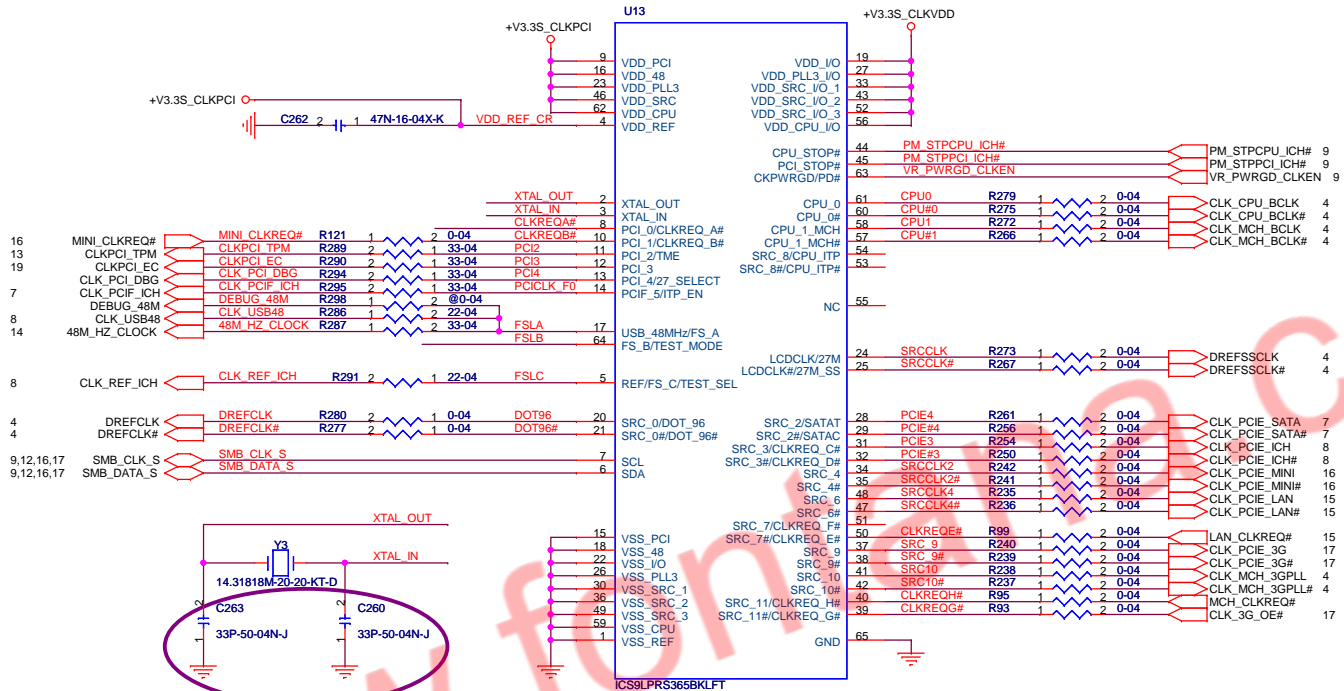




Reserve for EMI

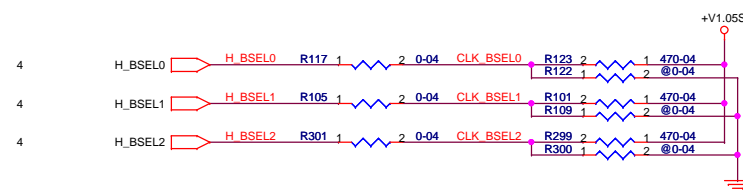
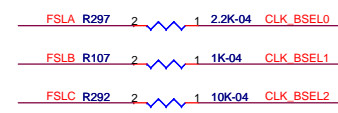


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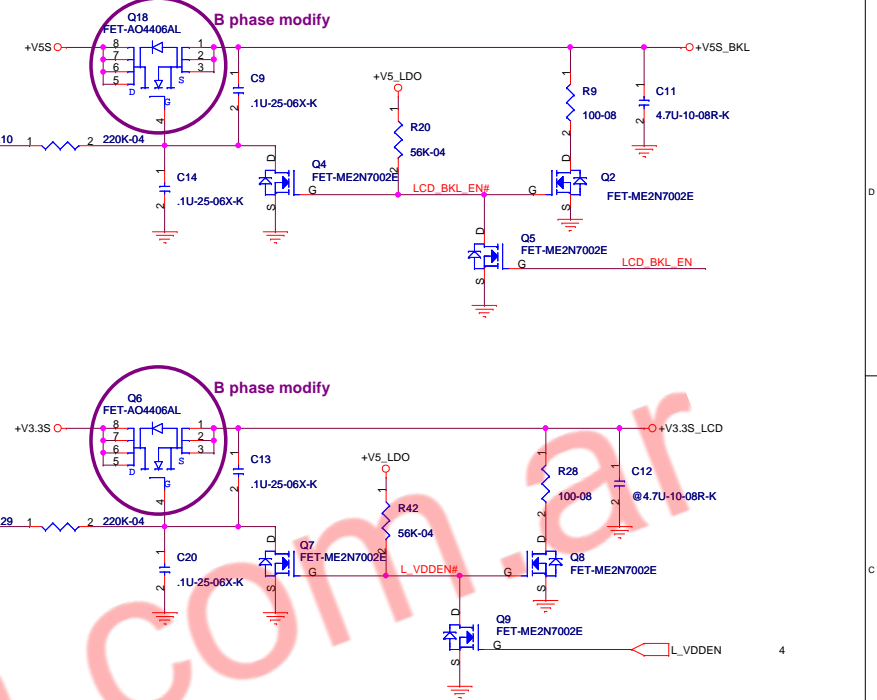
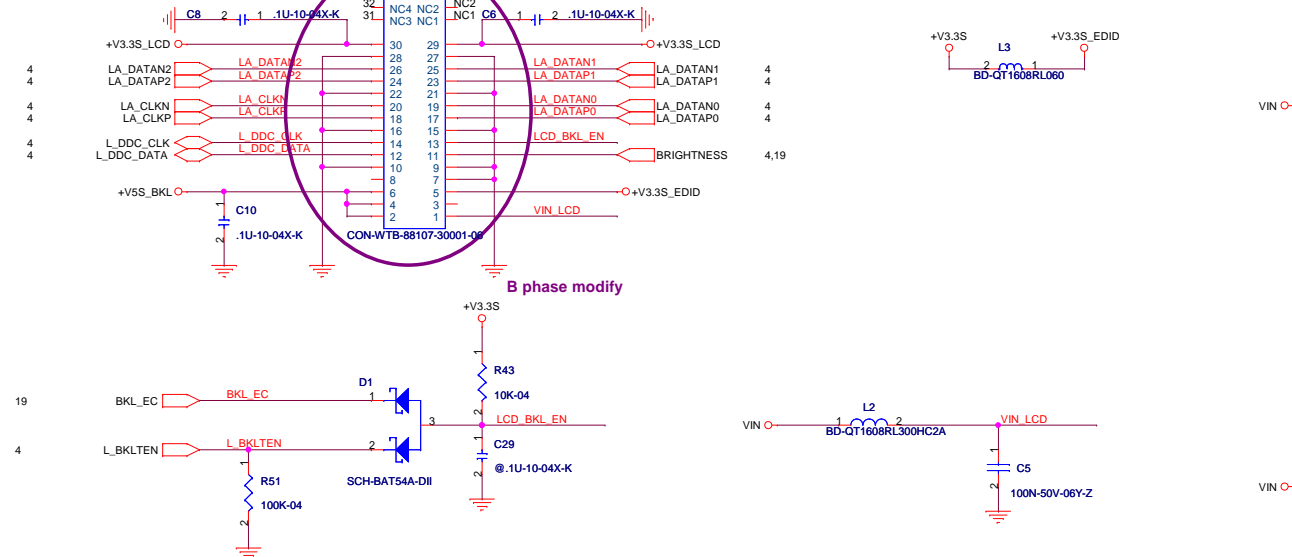


B phase modify

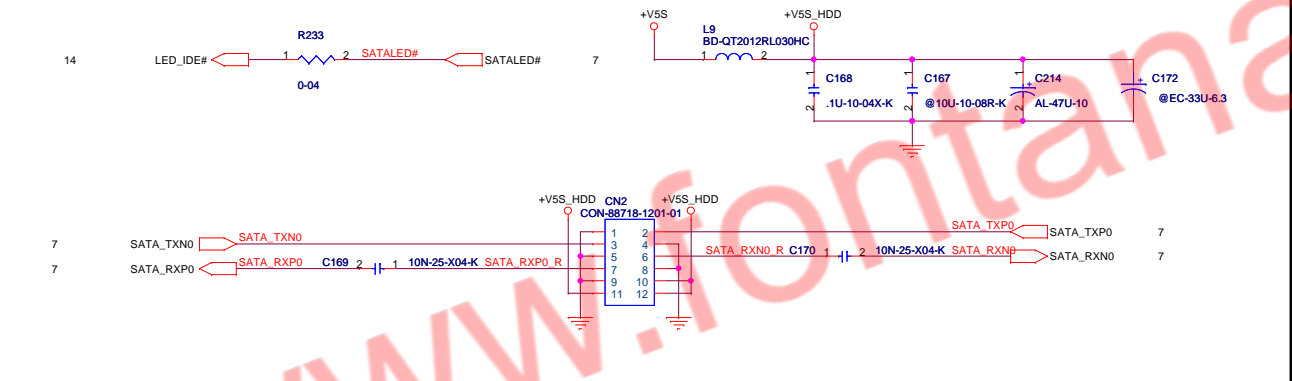
FSLC BSEL2	FSLB BSEL1	FSLA BSEL0	CPU	SRC	PCI
L	L	H	133MHz	100MHz	33MHz
L	H	L	200MHz	100MHz	33MHz
L	H	H	166MHz	100MHz	33MHz
H	L	H	100MHz	100MHz	33MHz
H	H	L	400MHz	100MHz	33MHz
H	L	L	333MHz	100MHz	33MHz
H	H	H	CPU SEL	100MHz	33MHz



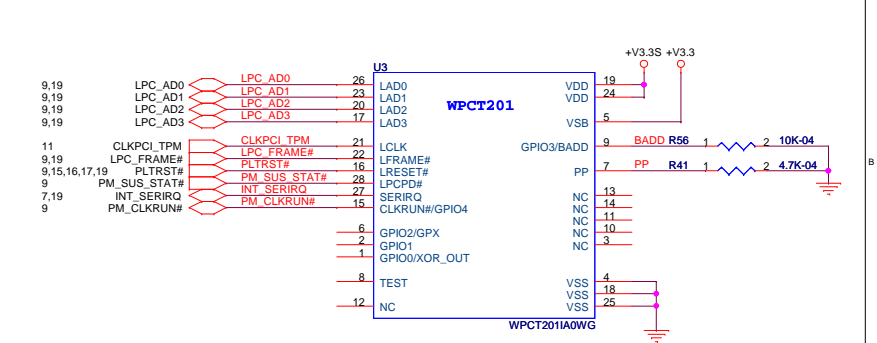
LCD



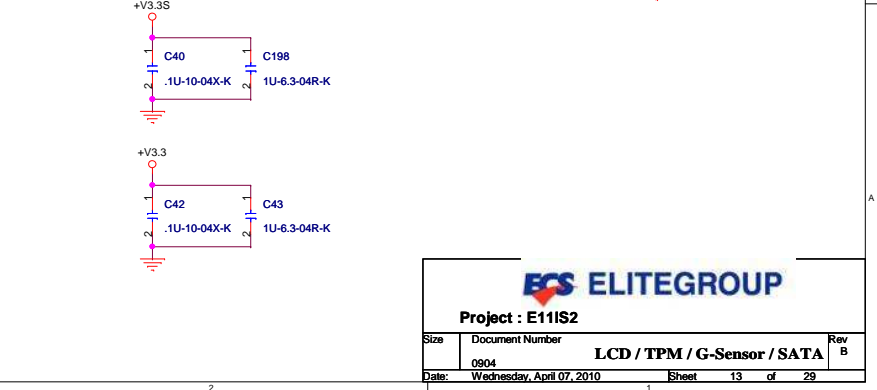
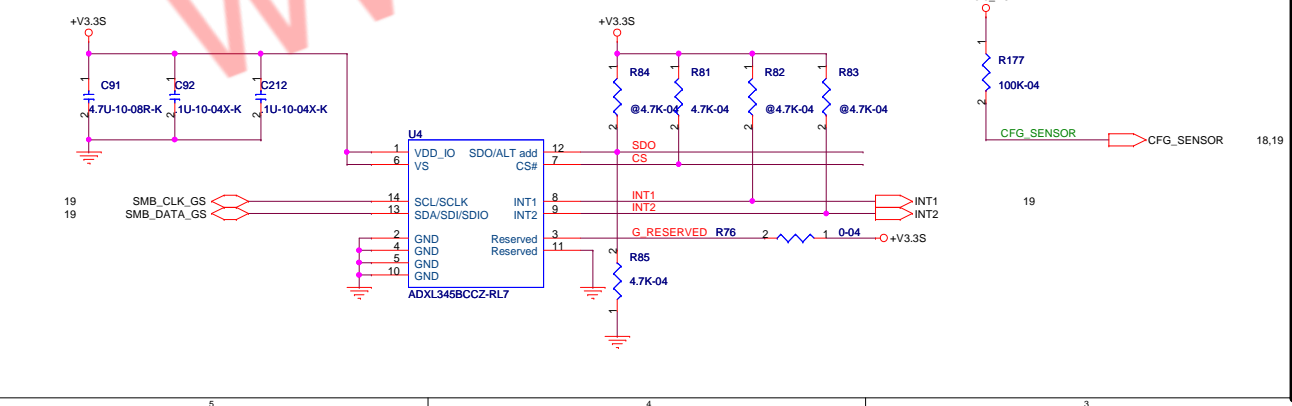
SATA HDD

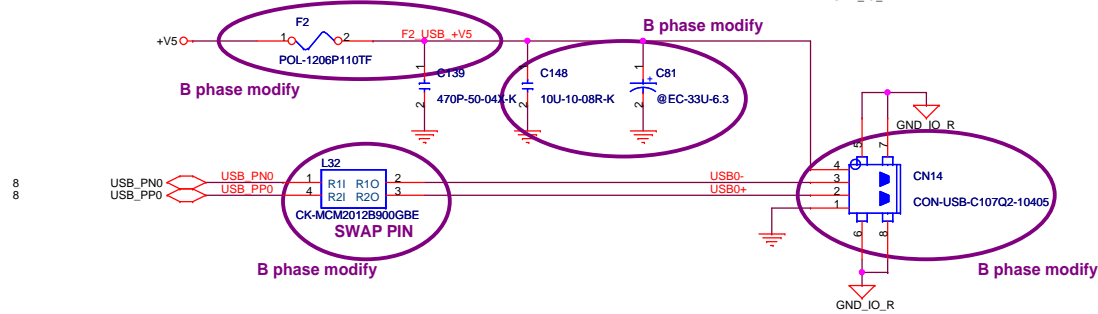
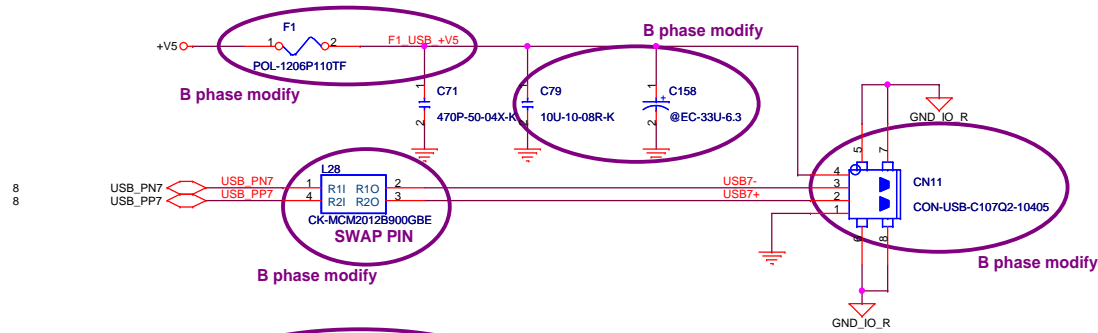


TPM

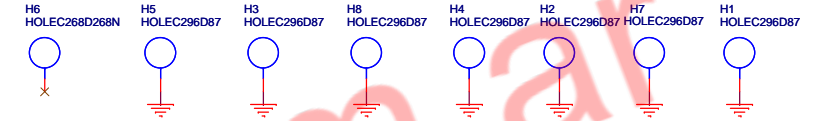
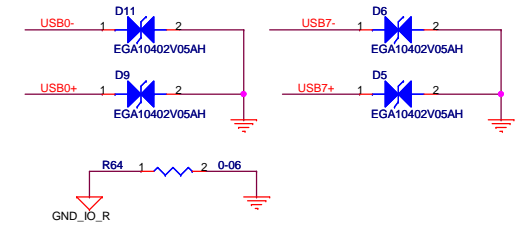


G-Sensor

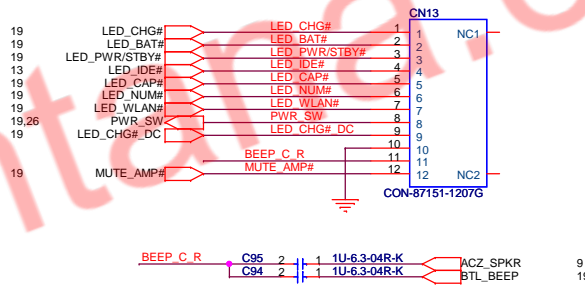
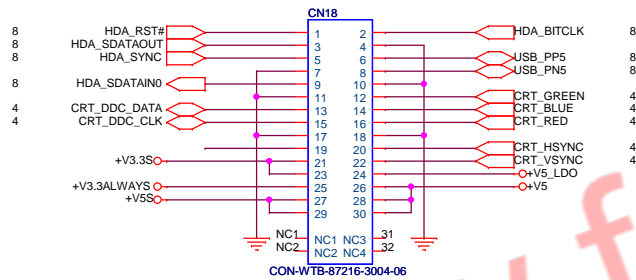
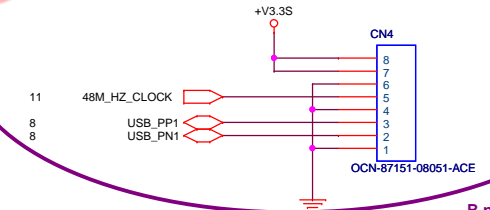




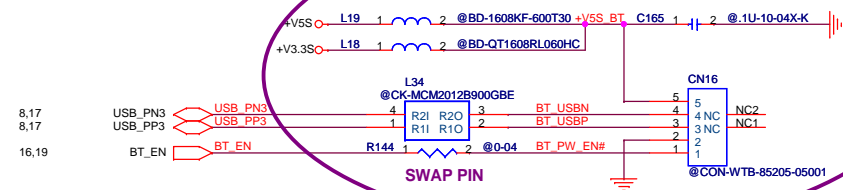
ESD protect



Card Reader



Option Bluetooth



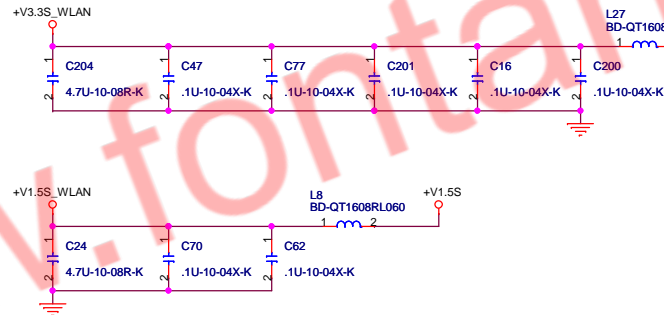
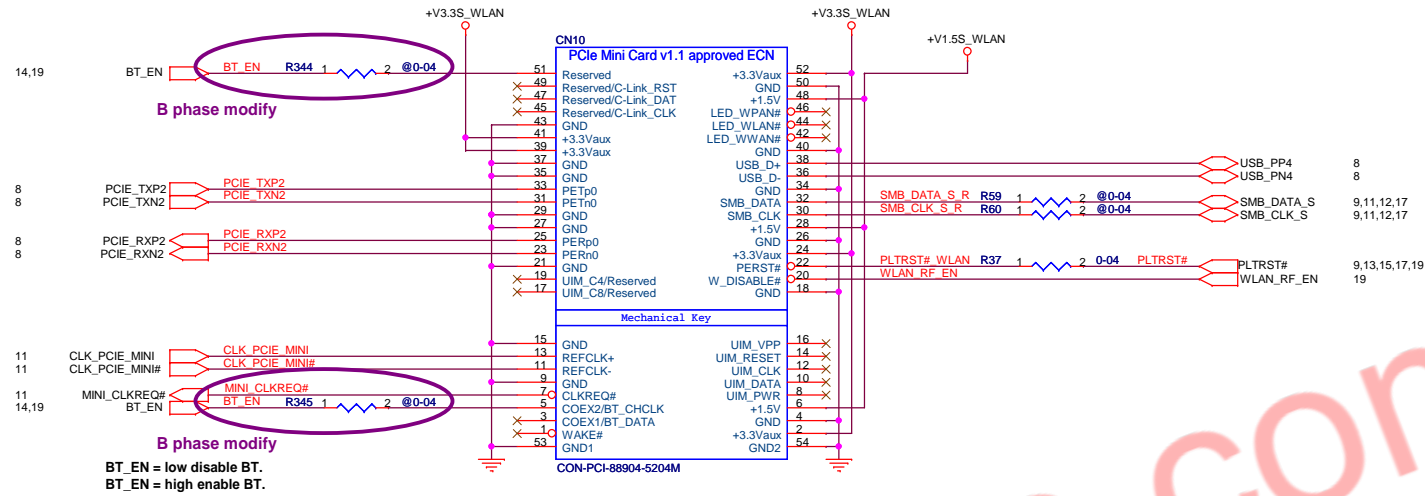
BT_EN = low disable BT.
BT_EN = high enable BT.

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Project : E11IS2

Size	Document Number	Rev
0904	USB & IO CON	B
Date:	Wednesday, April 07, 2010	Sheet 14 of 29

Mini Card

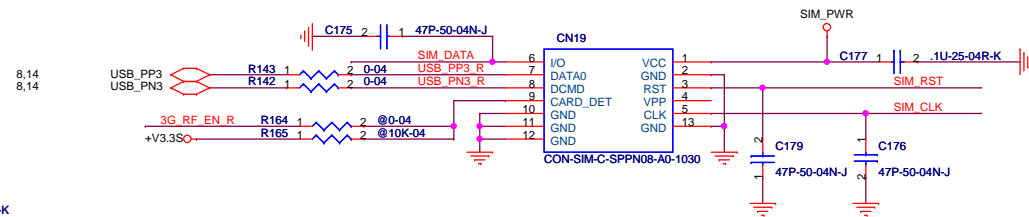
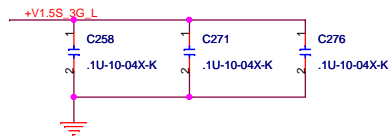
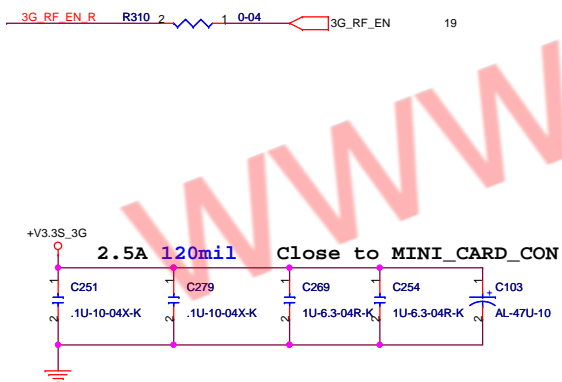
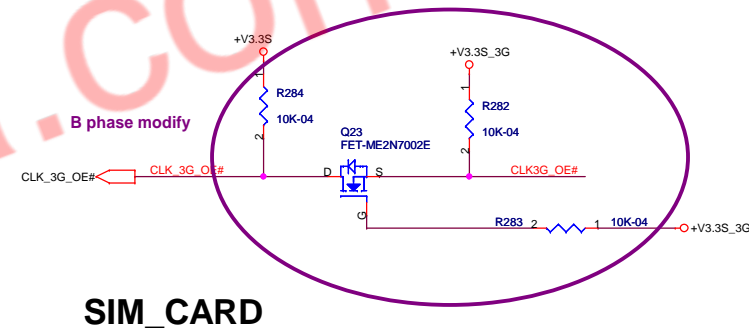
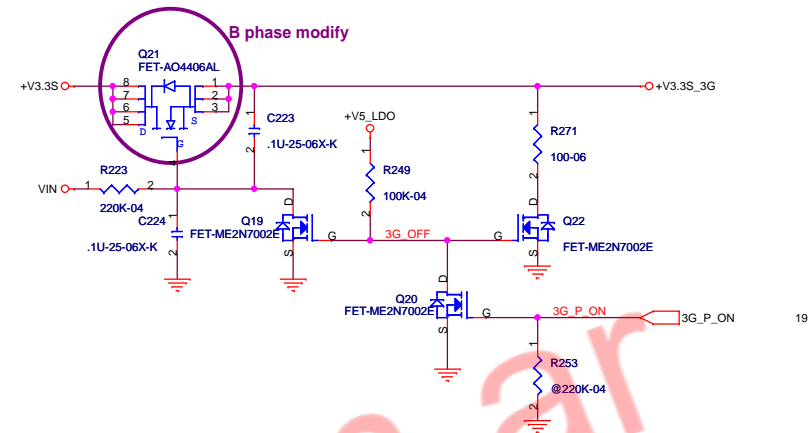
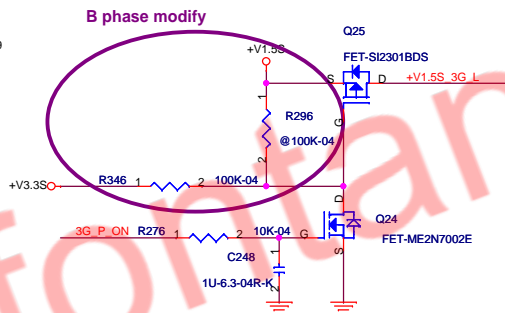
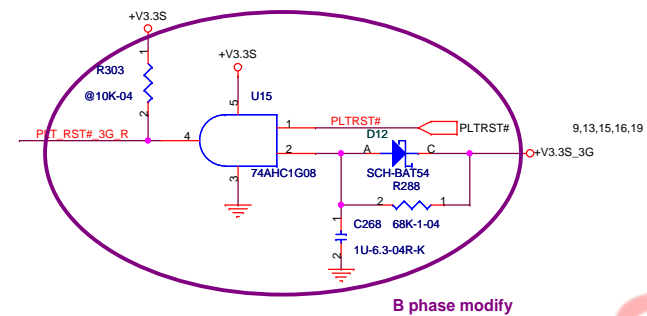
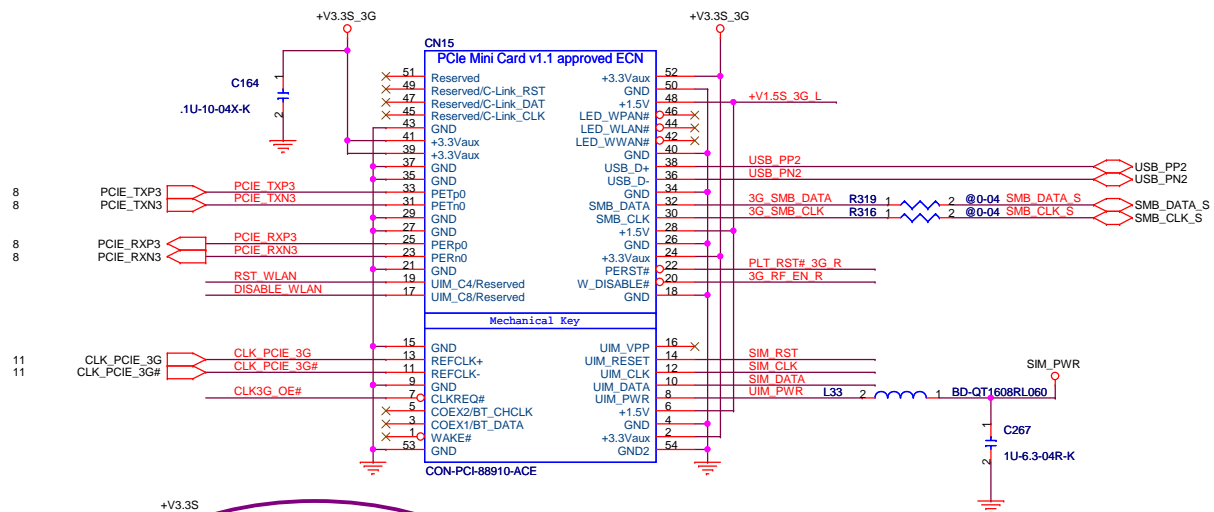


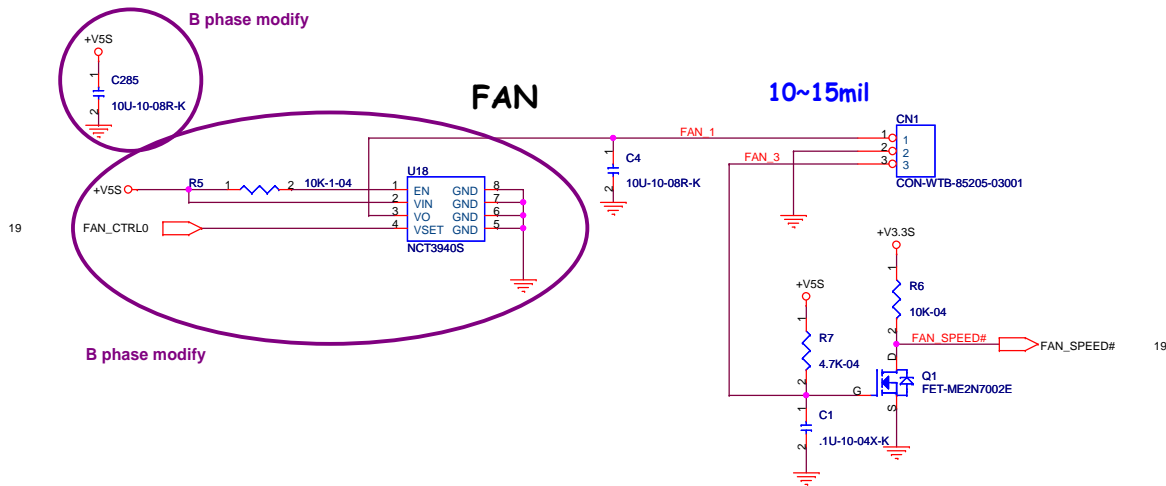
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Project : E11IS2

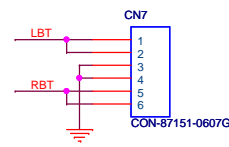
Size	Document Number	Rev
0904	Wireless CON	B
Date:	Wednesday, April 07, 2010	Sheet 16 of 29

Mini Card_3G

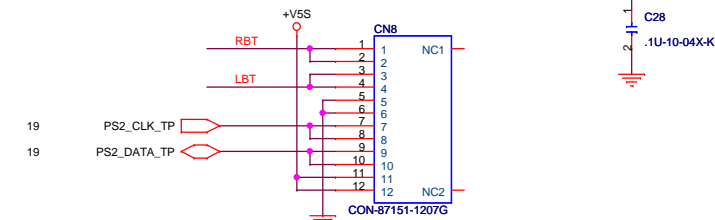




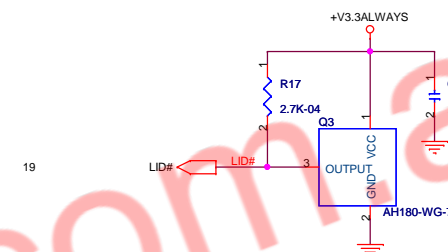
Touch PAD Button



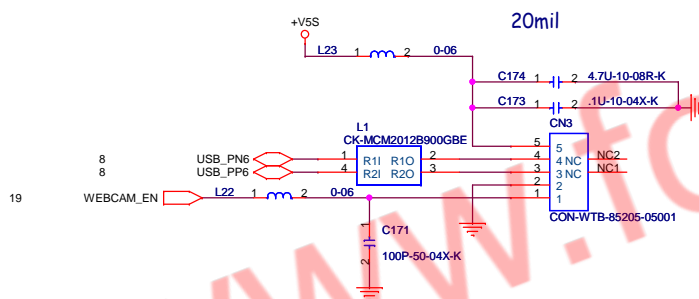
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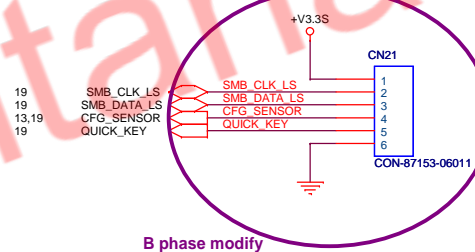
HALL Sensor



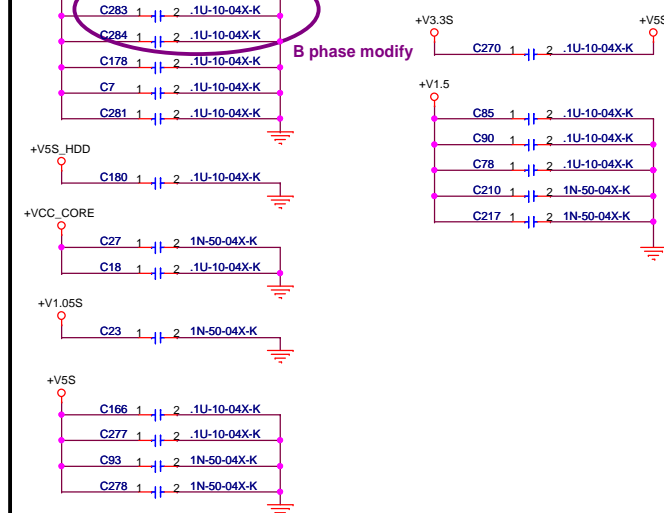
Web CAM CON



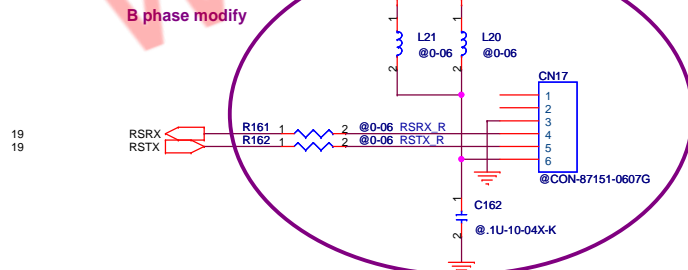
Configure Sensor/Quick Key CON



EMI Request



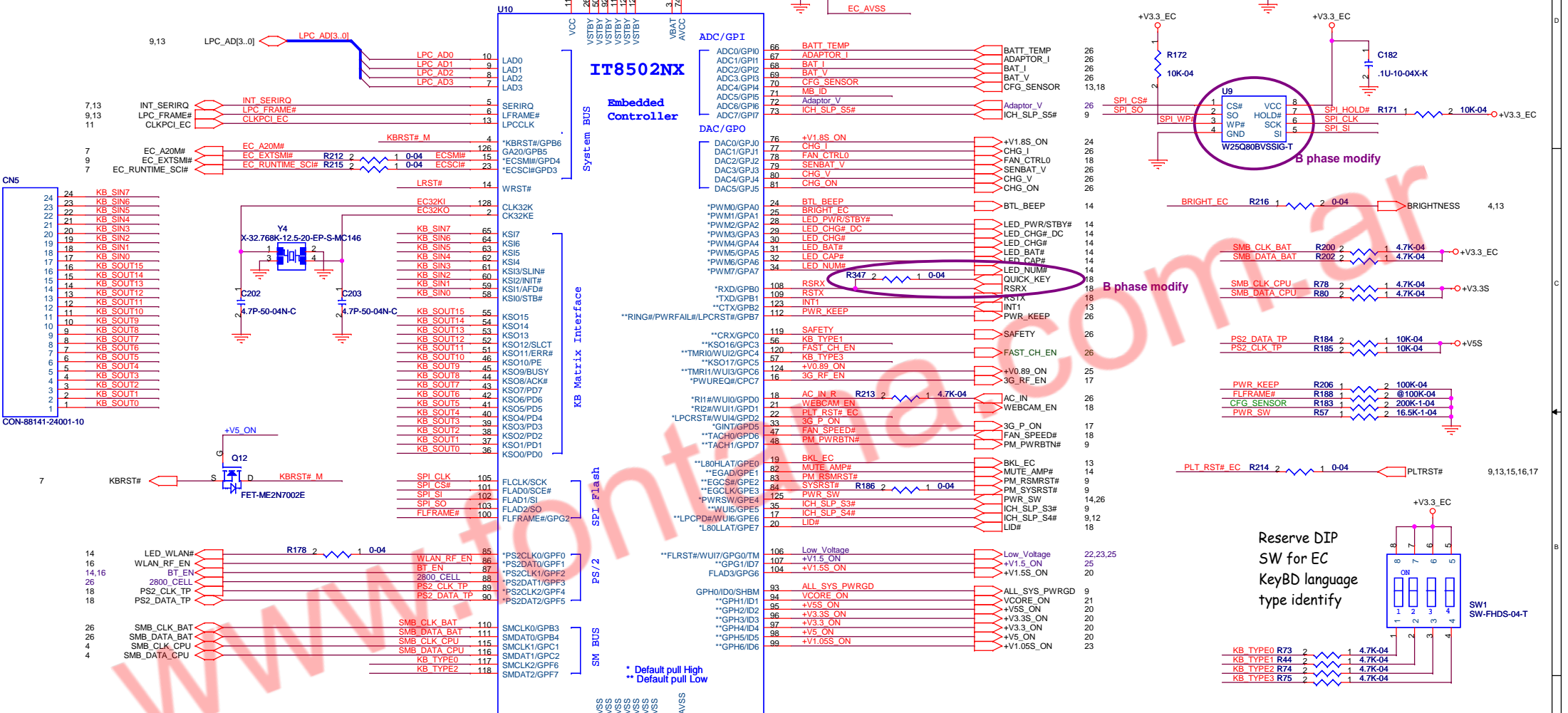
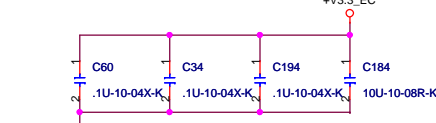
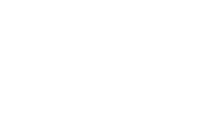
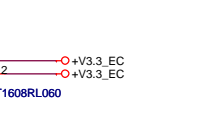
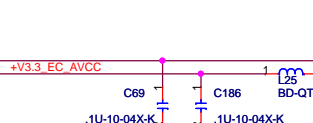
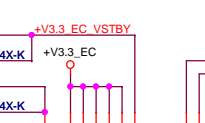
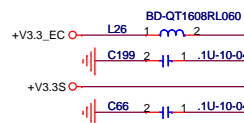
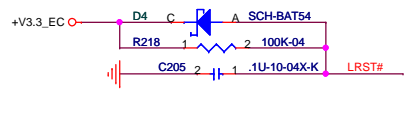
RS-232



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Project : E11IS2

Size	Document Number	Rev
0904	WEB CAM / TP / RS232 / EMI Request	B
Date:	Wednesday, April 07, 2010	Sheet 18 of 29



Configure Sensor

Configure	W/O Light Sensor & G-Sensor	Light Sensor Only	Light Sensor + G-Sensor	G-Sensor Only
Voltage	0 V	0.825 V	1.65 V	2.2 V
R177	@	@	V	V
R183	V	V	V	V

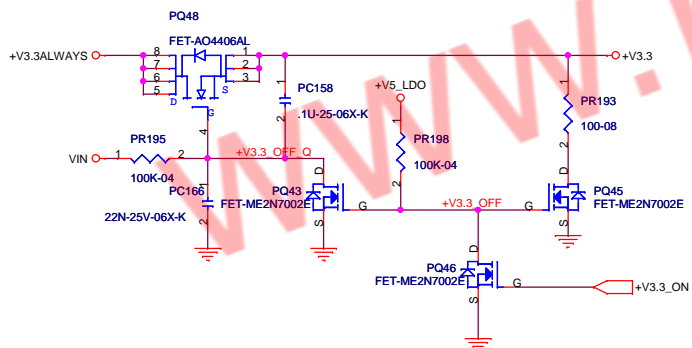
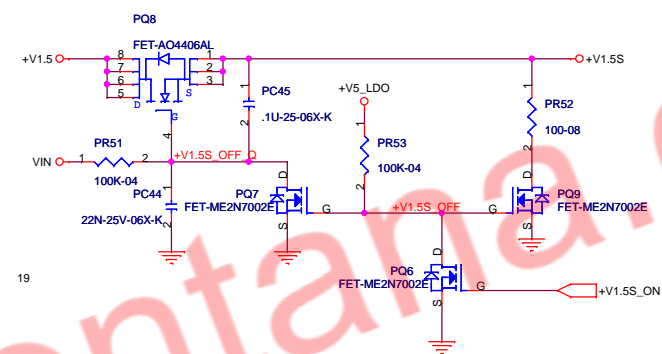
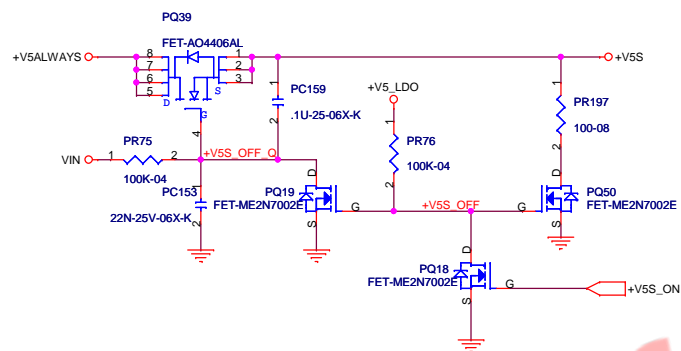
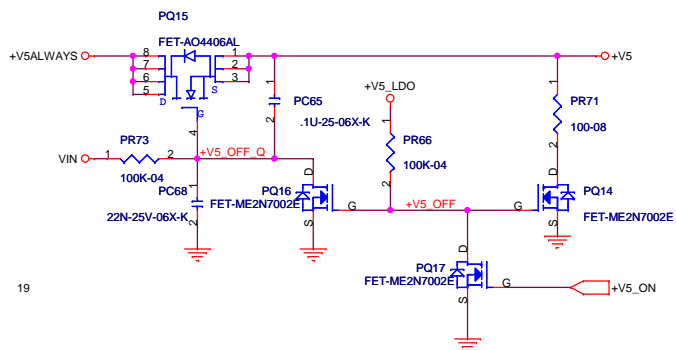
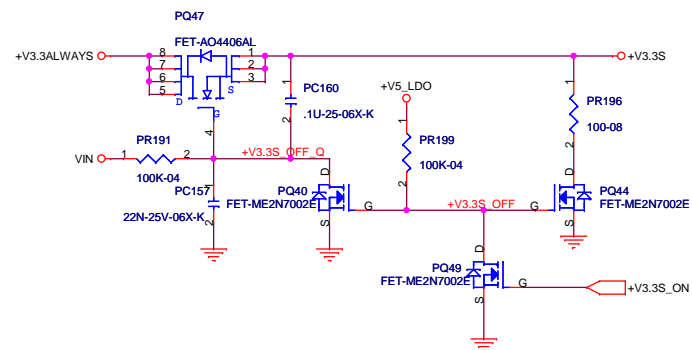
M/B revision ID

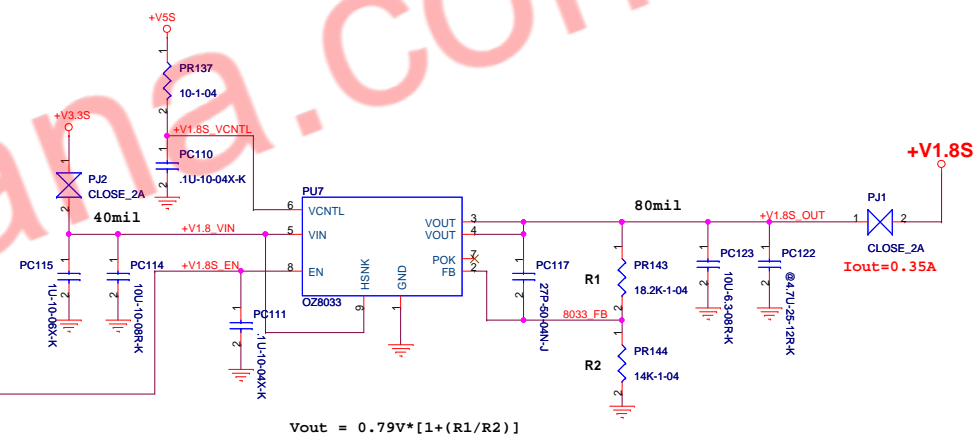
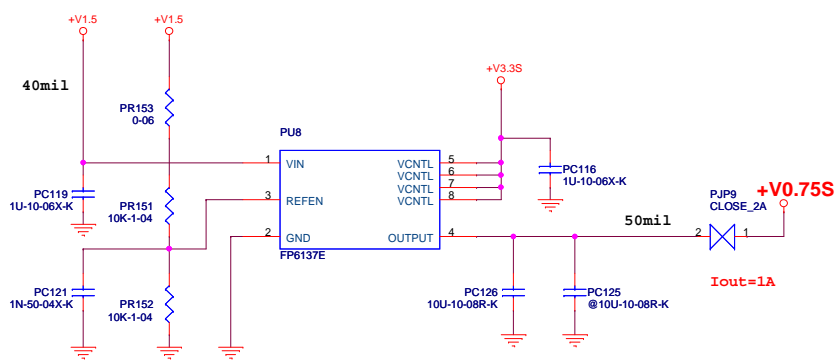
MB rev. ID	rev.A	rev.B	Rev.B W/O TPM	Rev.C	Rev.C W/O TPM
MB_ID	0v	0.5v	1v	3.3v	1.65v
R180	@	10K	10K	10K	10K
R182	1.5K	1.8K	4.3K	@	10K

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Project : E11S2

Size	Document Number	Rev
0904	IT8502-NX	B
Date:	Wednesday, April 07, 2010	Sheet 19 of 29





$$V_{out} = 0.79V * [1 + (R1/R2)]$$

20100330 modify

20100406 modify

Irms=2.2A

20100330 modify

20100330 modify

Irms=0.422A

$$F = V_{out} * (V_{in} - V_{out}) / (1.6us * V_{in} * V_{test})$$

L=1.506V
H:1.443V

L:0.889V
H:0.857V

Iout=5.9A
OCP=8.8A
 $\Delta I = 0.94A$
Ripple=5mV
F=372kHz

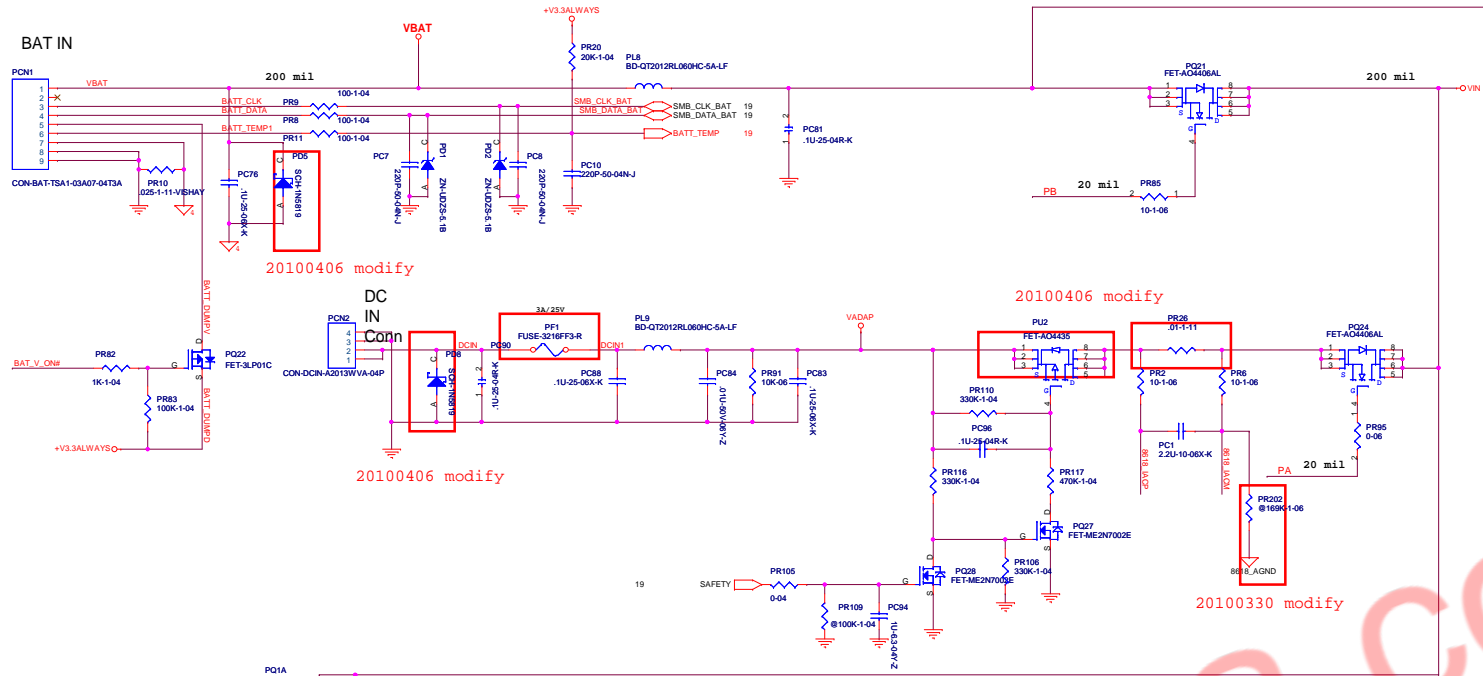
Iout=3A
OCP=5.3A
 $\Delta I = 1.8A$
Ripple=4.7mV
F=193kHz

ECS ELITEGROUP

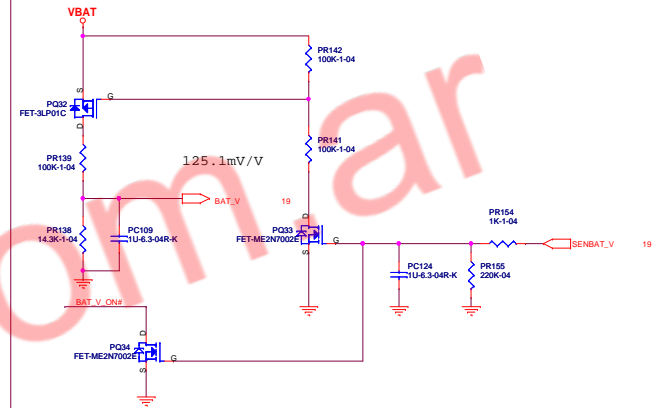
Project : E11S2

Size	Document Number	Rev
0904	+V1.5/+0.89S (OZ8138)	B
Date:	Wednesday, April 07, 2010	Sheet 25 of 29

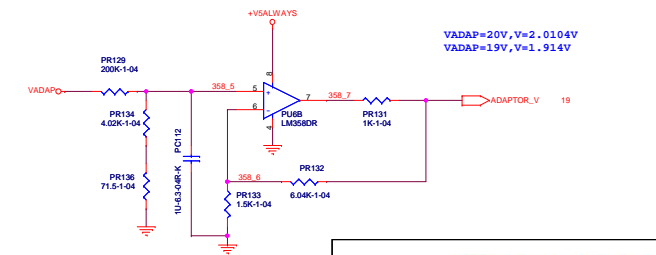
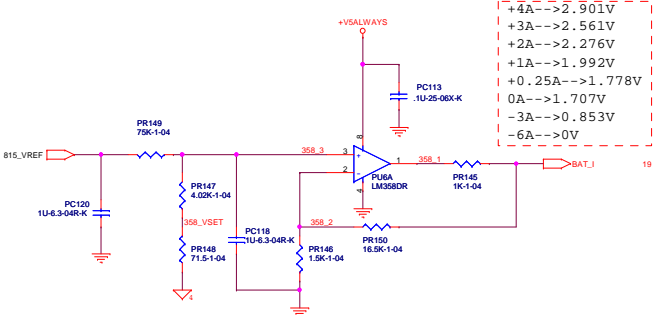
BAT IN



Battery Voltage Detect

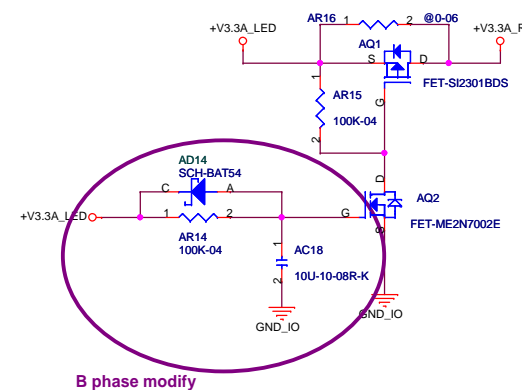
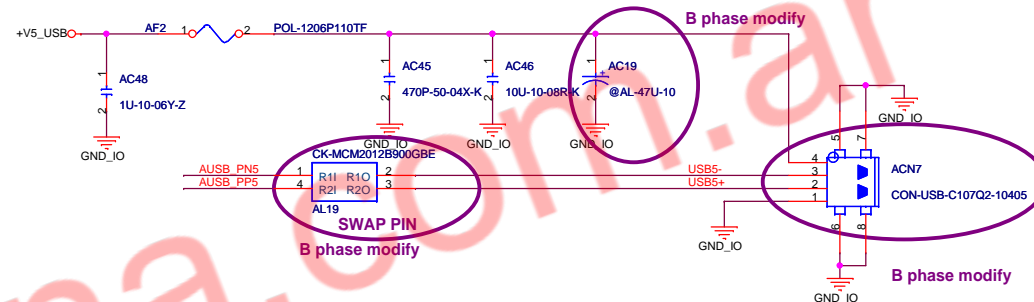
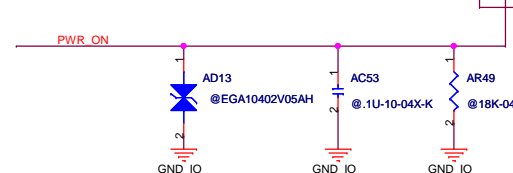
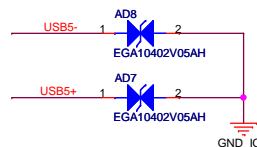
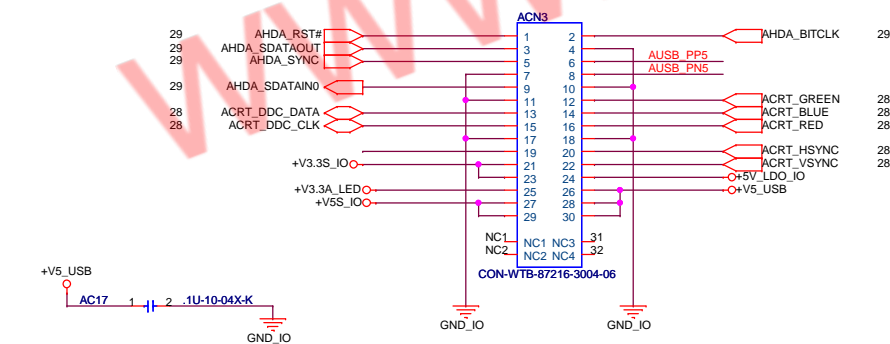
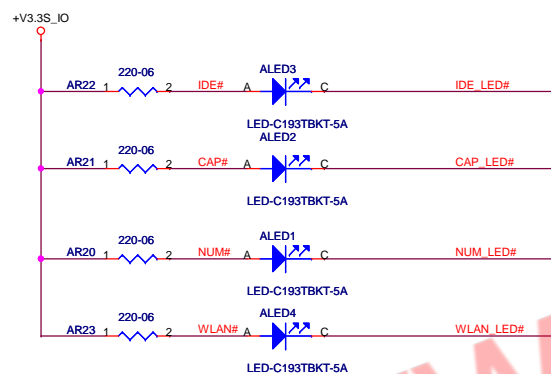
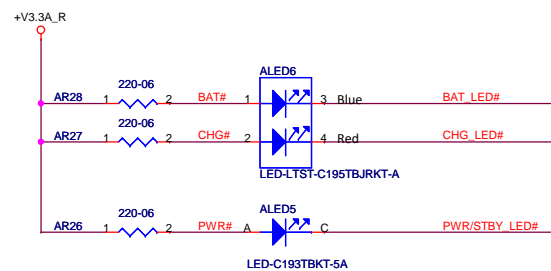


Charge / Discharge Detect



LED placement

CHG/BAT
PWR/STBY
WLAN
HDD
CAP
NUM



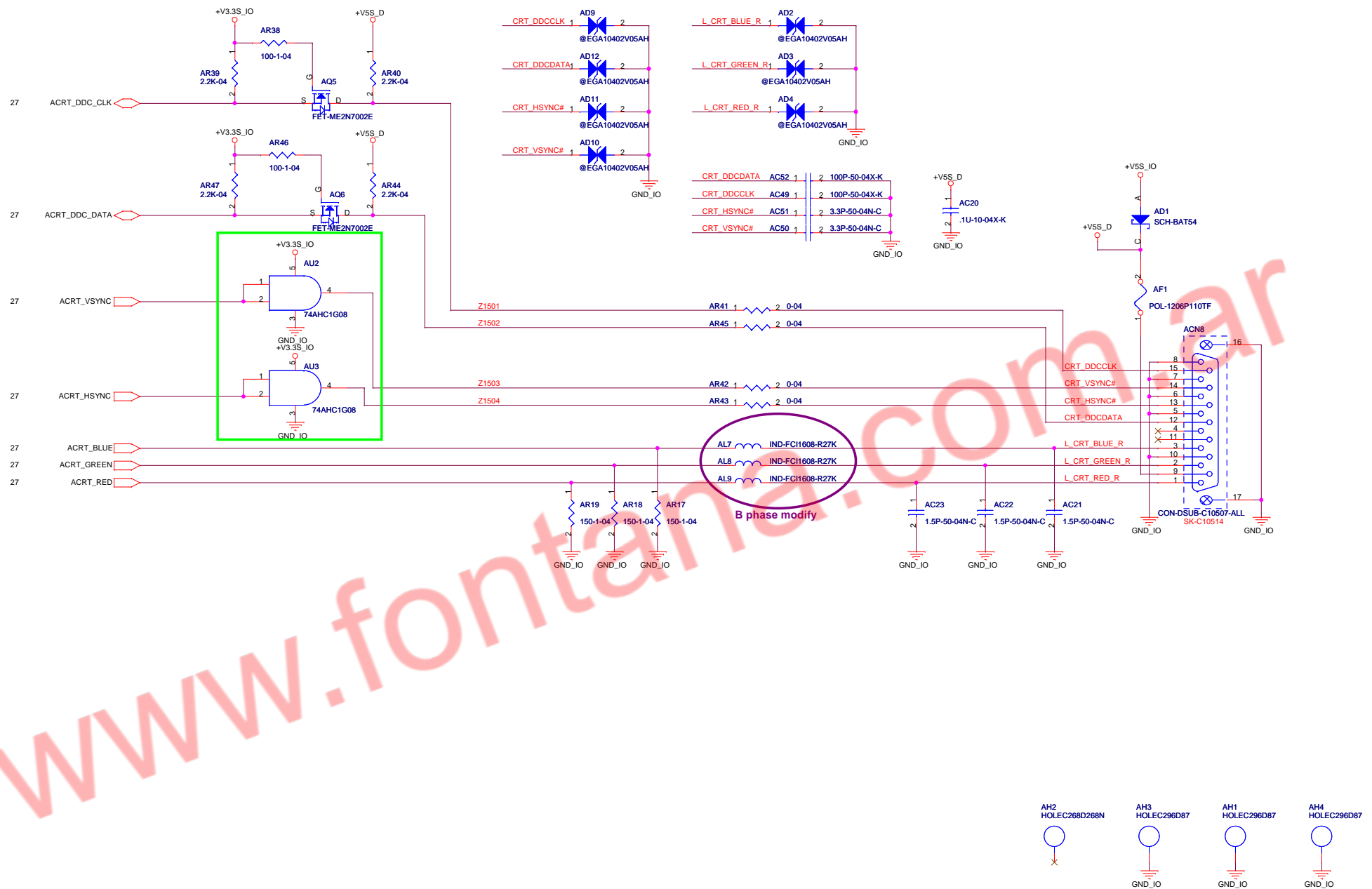
PCB2
PCB_IO_E11IS2_REV.B

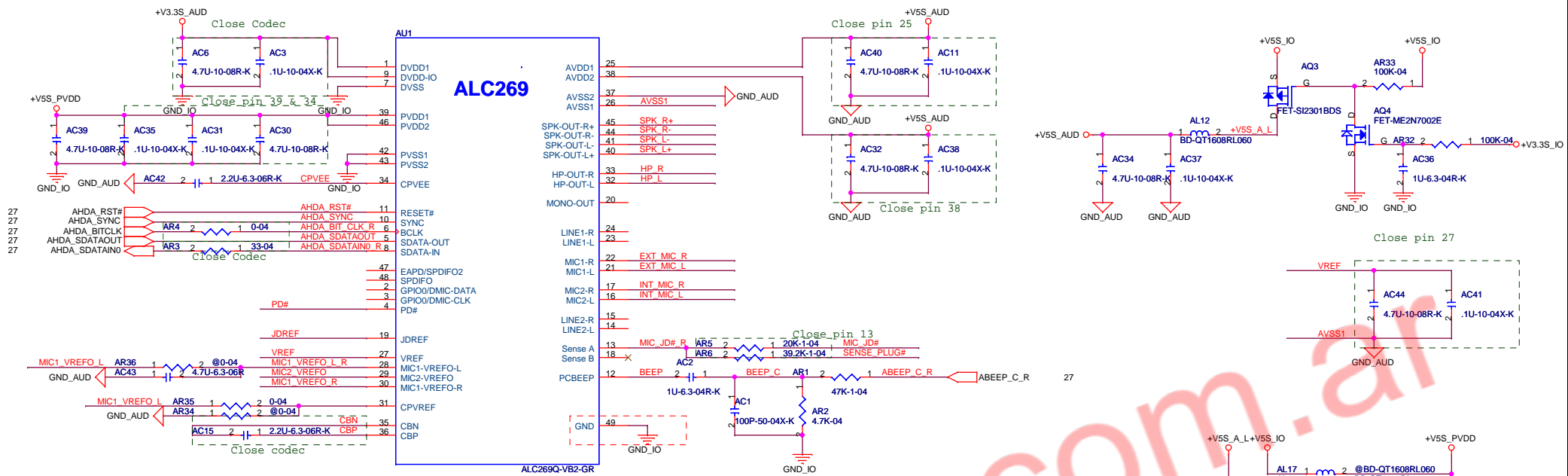
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Project : E11IS2

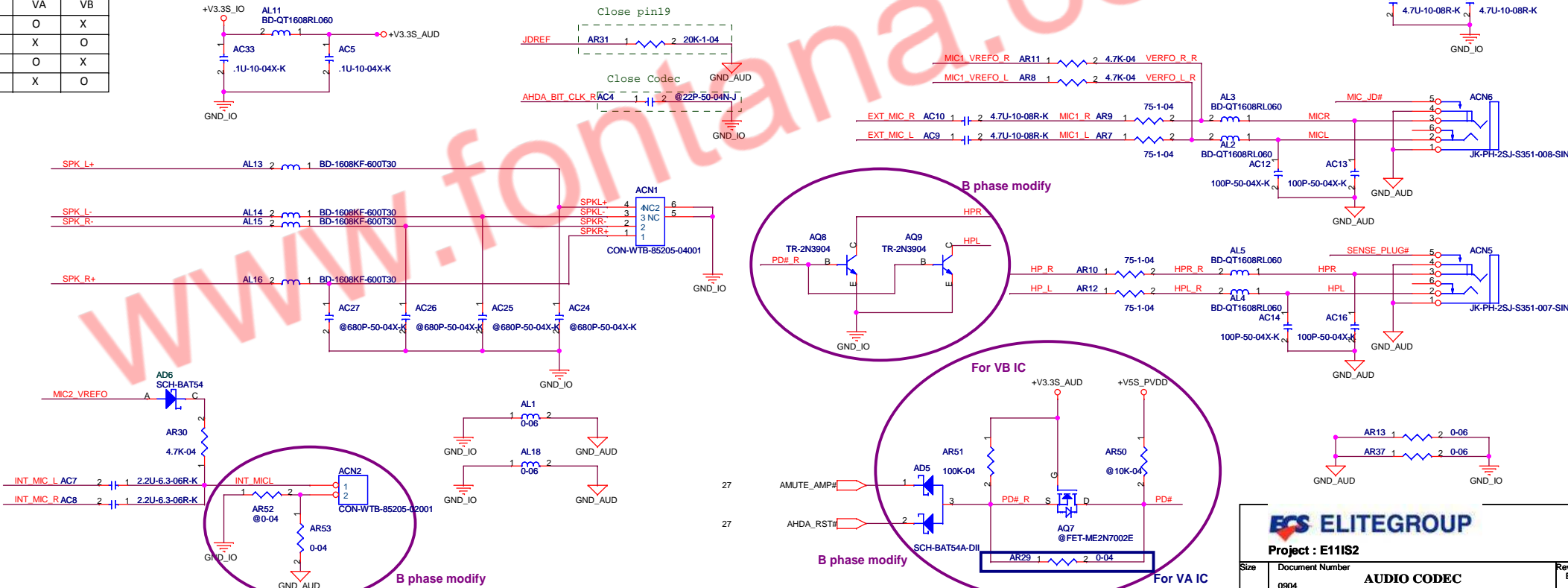
Size	Document Number	Rev
0904	IO LED & USB	B
Date:	Wednesday, April 07, 2010	Sheet 27 of 29

CRT





	VA	VB
AR36	O	X
AR35	X	O
AR34	O	X
AC43	X	O



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Project : E11IS2

Size	Document Number	Rev
0904	AUDIO CODEC	B
Date:	Wednesday, April 07, 2010	Sheet 29 of 29