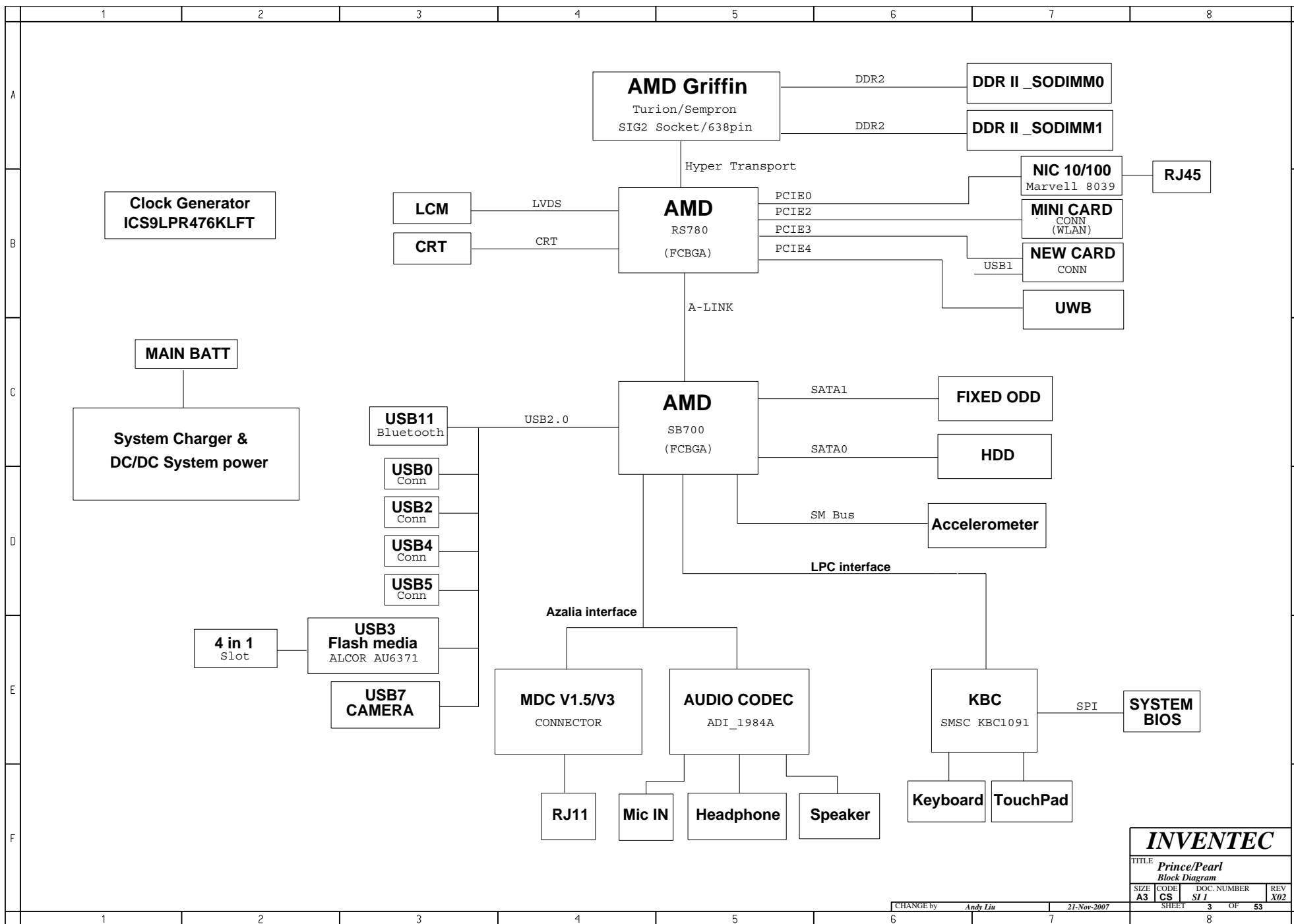


	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F

</

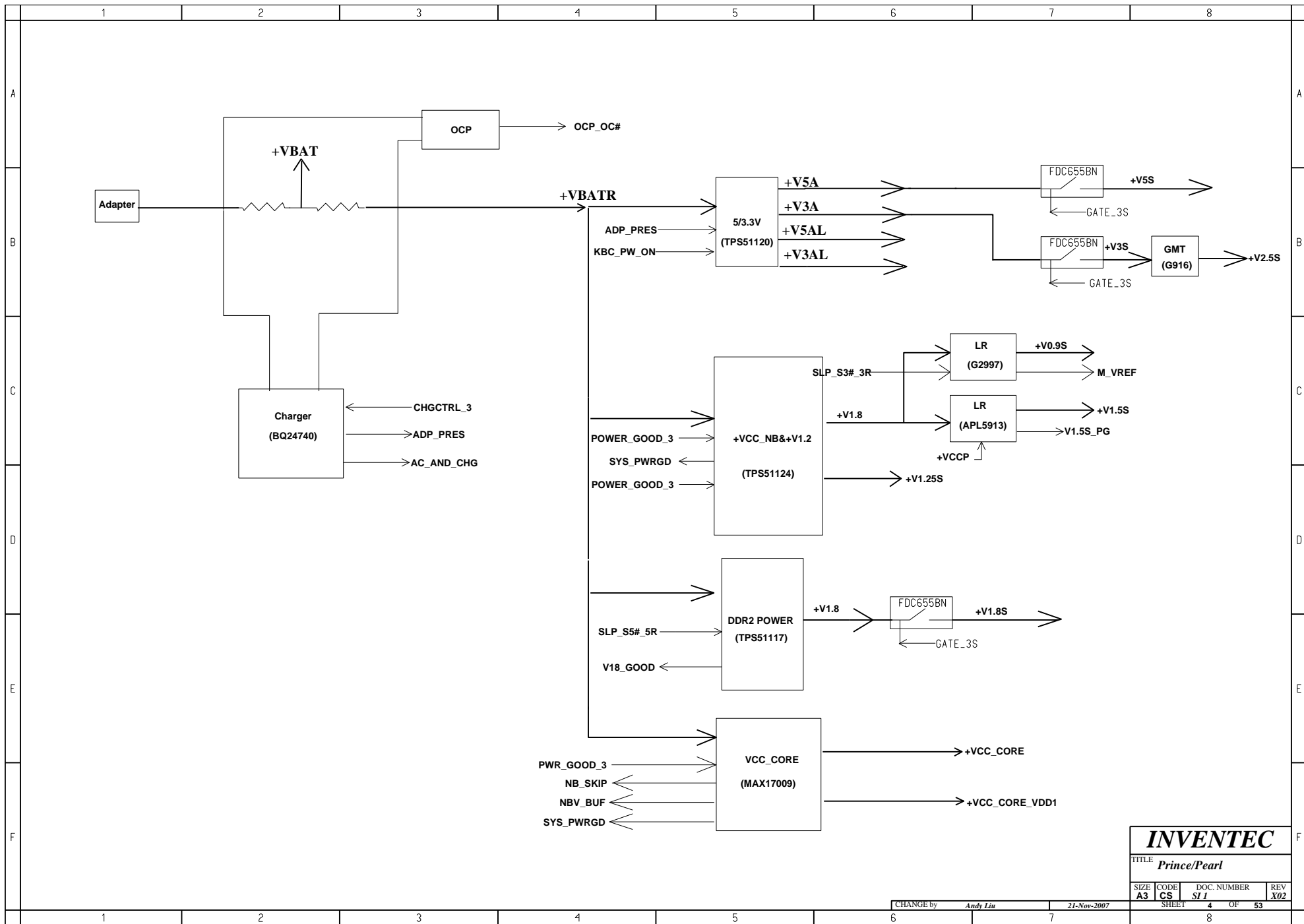
	1	2	3	4	5	6	7	8									
A	<div>TABLE OF CONTENTS</div>																
B	PAGE 5- DC& BATTERY CHARGER 6- SELECT & BATTERY CONN 7- +V5A,+V3A & +V2.5S 8- OCP 9- +VCC_NB & +V1.2A 10- +VCC_CORE 11- POWER 12- DDR2 POWER 13- POWER(SLEEP) 14- POWER(SEQUENCE)		PAGE 15- CLOCK_GENERATOR 16- CPU-1 17- CPU-2 18- CPU-3 19- CPU-4 20- THERMAL&FAN CONTROLLER 21- RS780-1 22- RS780-2 23- RS780-3 24- RS780-4 25- DDR2-DIMM0 26- DDR2-DIMM1 27- DDR2-DAMPING 28- CRT 29- LCD CONN 30- SB700-1 31- SB700-2 32- SB700-3 33- SB700-4 34- KBC		PAGE 35- KB & TP CONN 36- SPI & ACCELEROMETER 37- HDD & ODD CONN 38- USB CONN 39- USB WEBCAM CONN 40- FLASH MEDIA CARD 41- AZALIA CODEC 42- Earphone & MIC JACK 43- AUDIO AMP & HP JACK 44- MDC CNTR 45- NIC 10/100- CONTROLLER 46- NIC 10/100- RJ45 CONN 47- MINICARD & BT CONN 48- NEW CARD 49- UWB CONN 50- BUTTON & LED 51- SCREW 52- 15" ODD Extend Board 53- SWITCH Board												
C																	
D																	
E																	
F																	
CHANGE by Andy Liu						21-Nov-2007		<div><div>INVENTEC</div><div>TITLE Prince/Pearl Table OF Content</div><table><tr><td>SIZE</td><td>CODE</td><td>DOC. NUMBER</td><td>REV</td></tr><tr><td>A3</td><td>CS</td><td>SI 1</td><td>X02</td></tr></table><div>SHEET 2 OF 53</div></div>		SIZE	CODE	DOC. NUMBER	REV	A3	CS	SI 1	X02
SIZE	CODE	DOC. NUMBER	REV														
A3	CS	SI 1	X02														
	1	2	3	4	5	6	7	8									



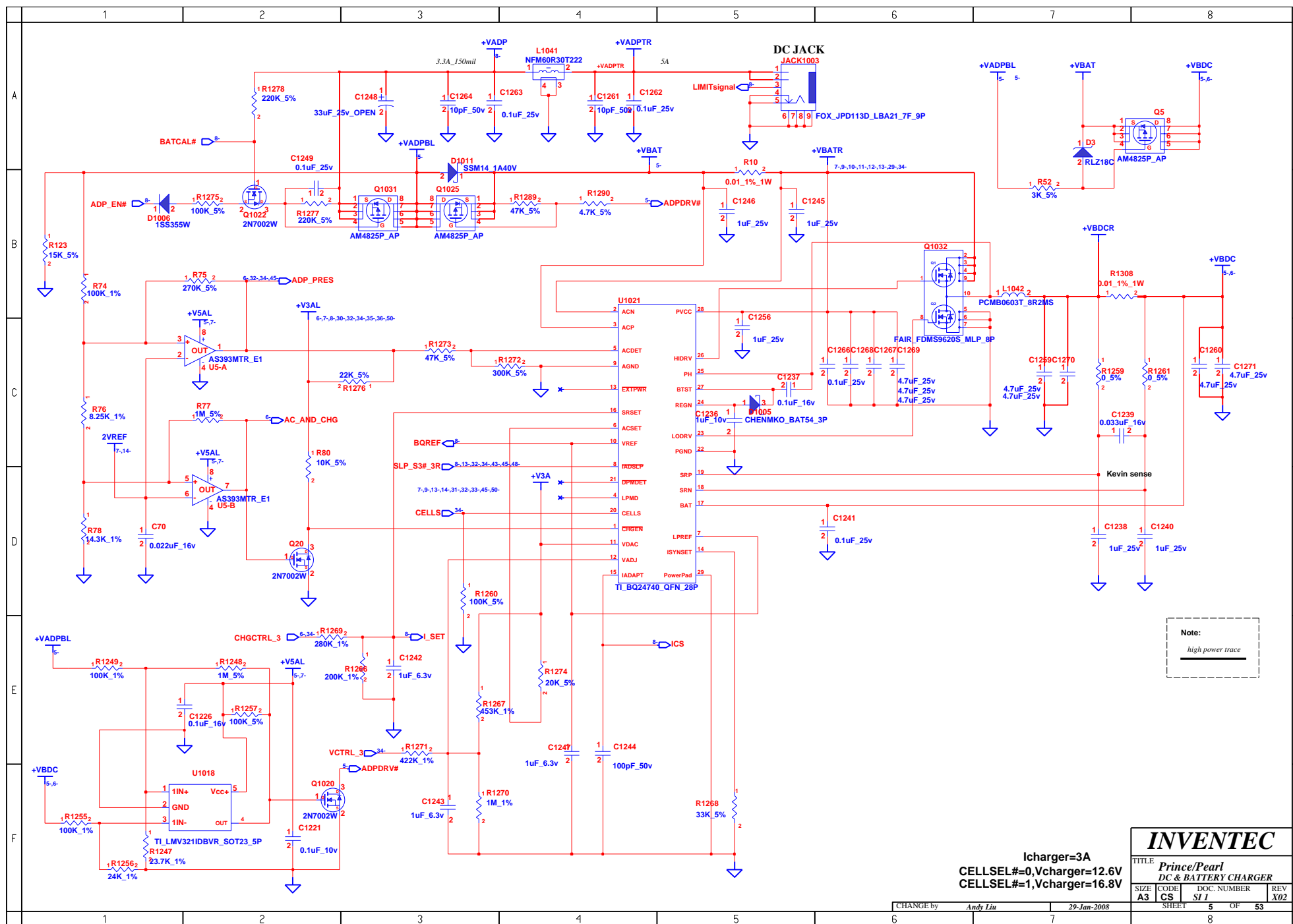
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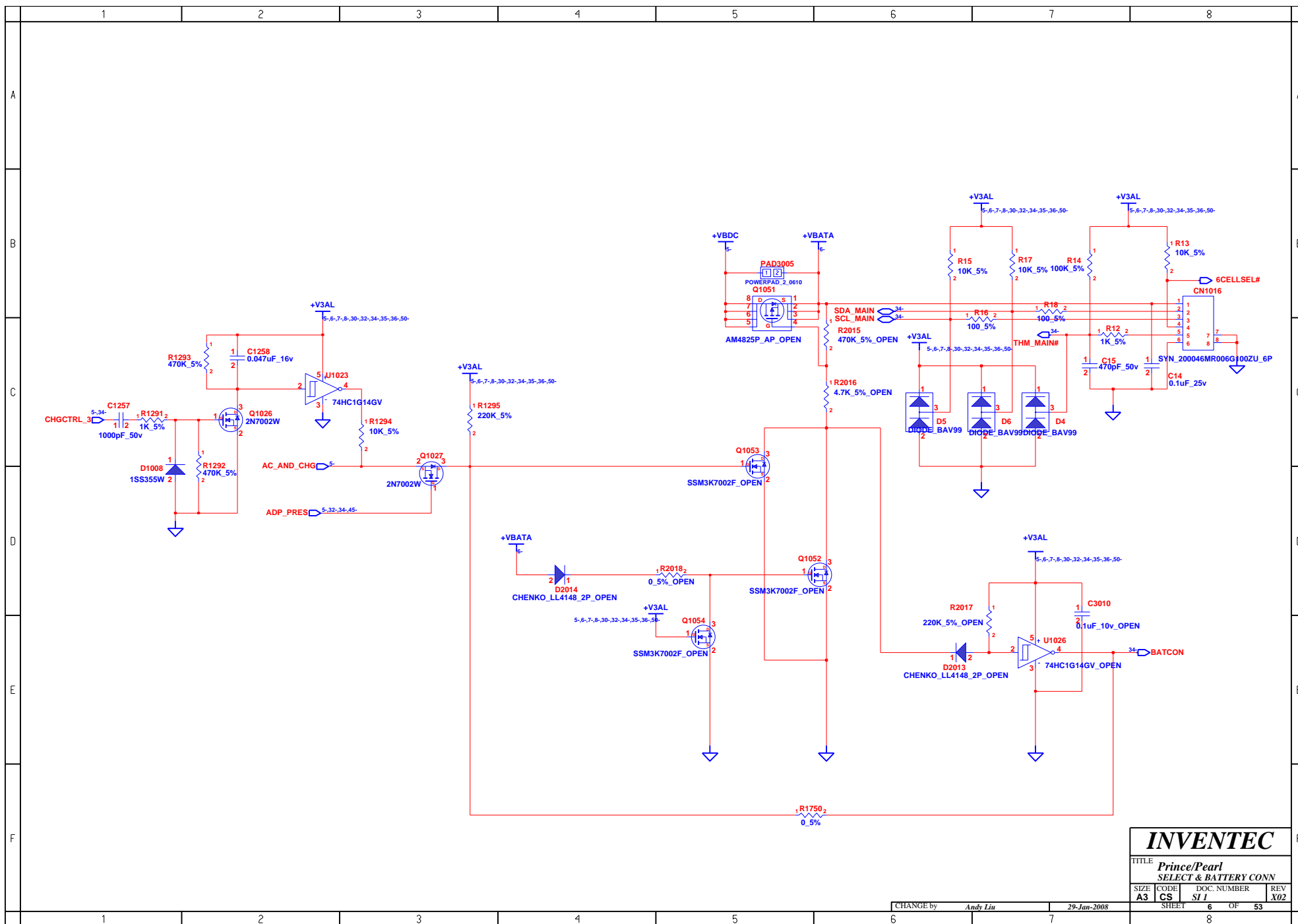
TITLE			
Prince/Pearl Block Diagram			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02
SHEET		3	OF 53

CHANGE by Andy Liu 21-Nov-2007



INVENTEC			
TITLE Prince/Pearl			
SIZE A3	CODE CS	DOC. NUMBER S11	REV X02
CHANGE by Andy Liu		21-Nov-2007	
SHEET 4		OF 53	





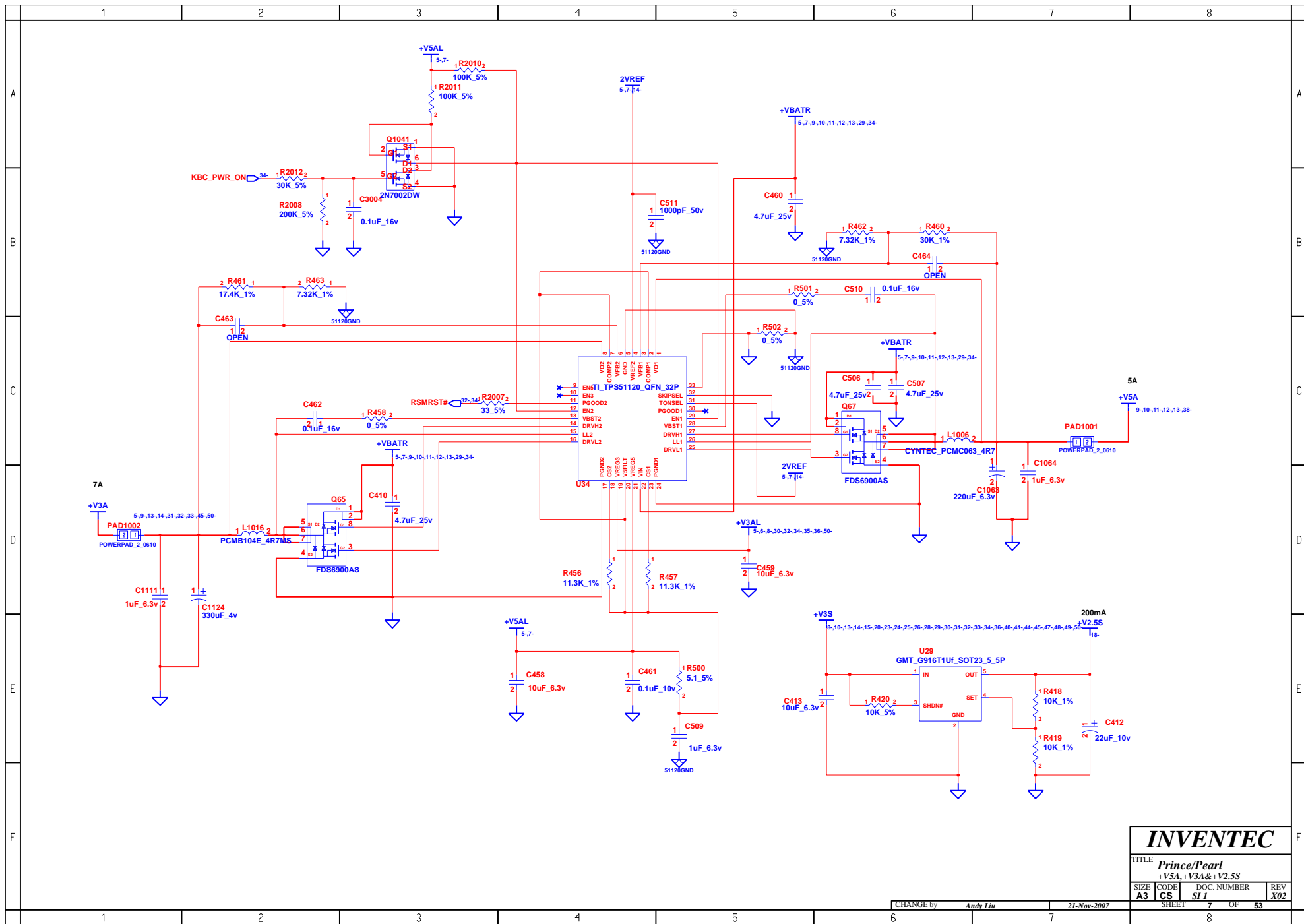
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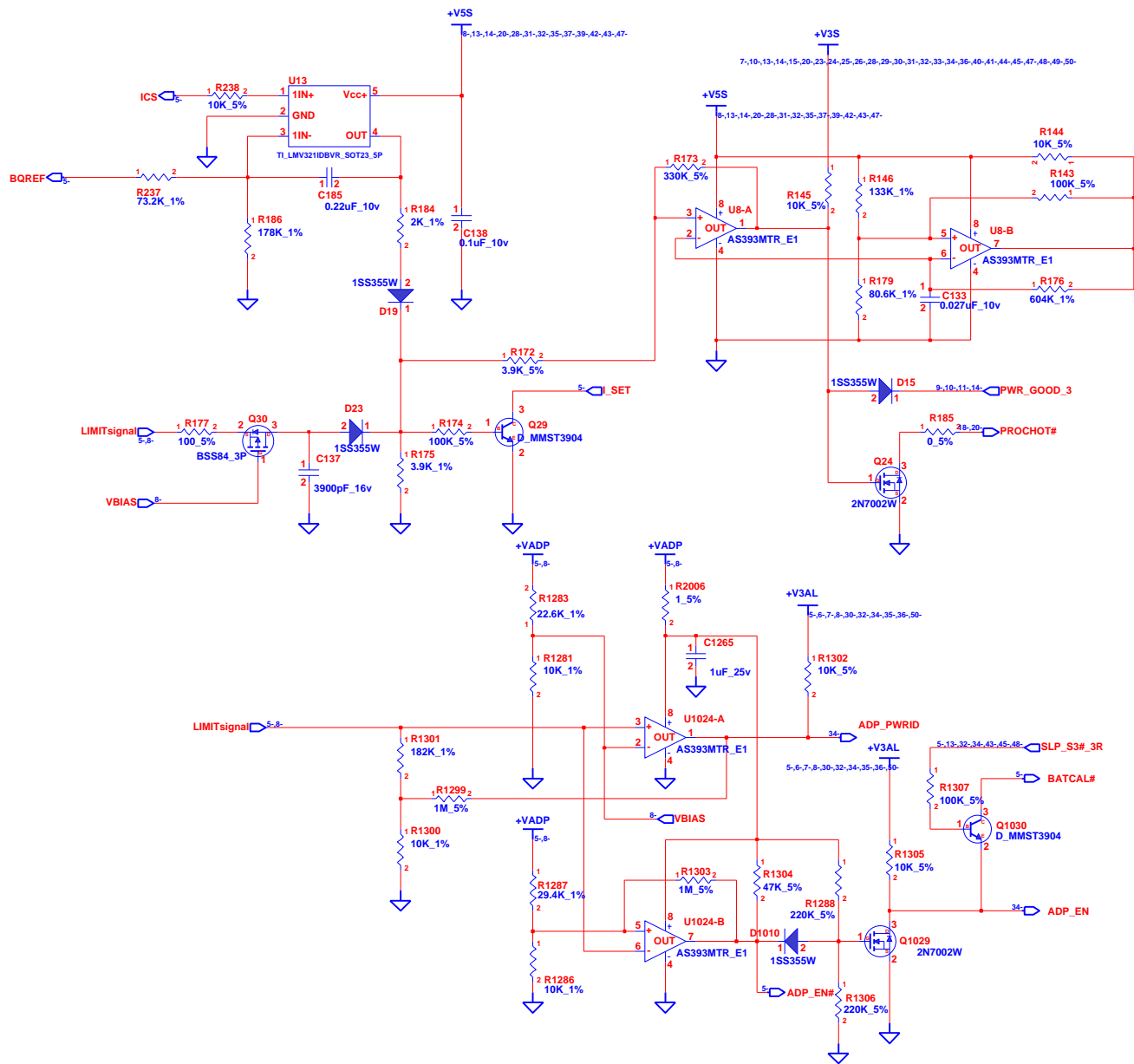
TITLE
**Prince/Pearl
SELECT & BATTERY CONN**

SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
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CHANGE by **Andy Liu** 29-Jan-2008

SHEET **6** OF **53**





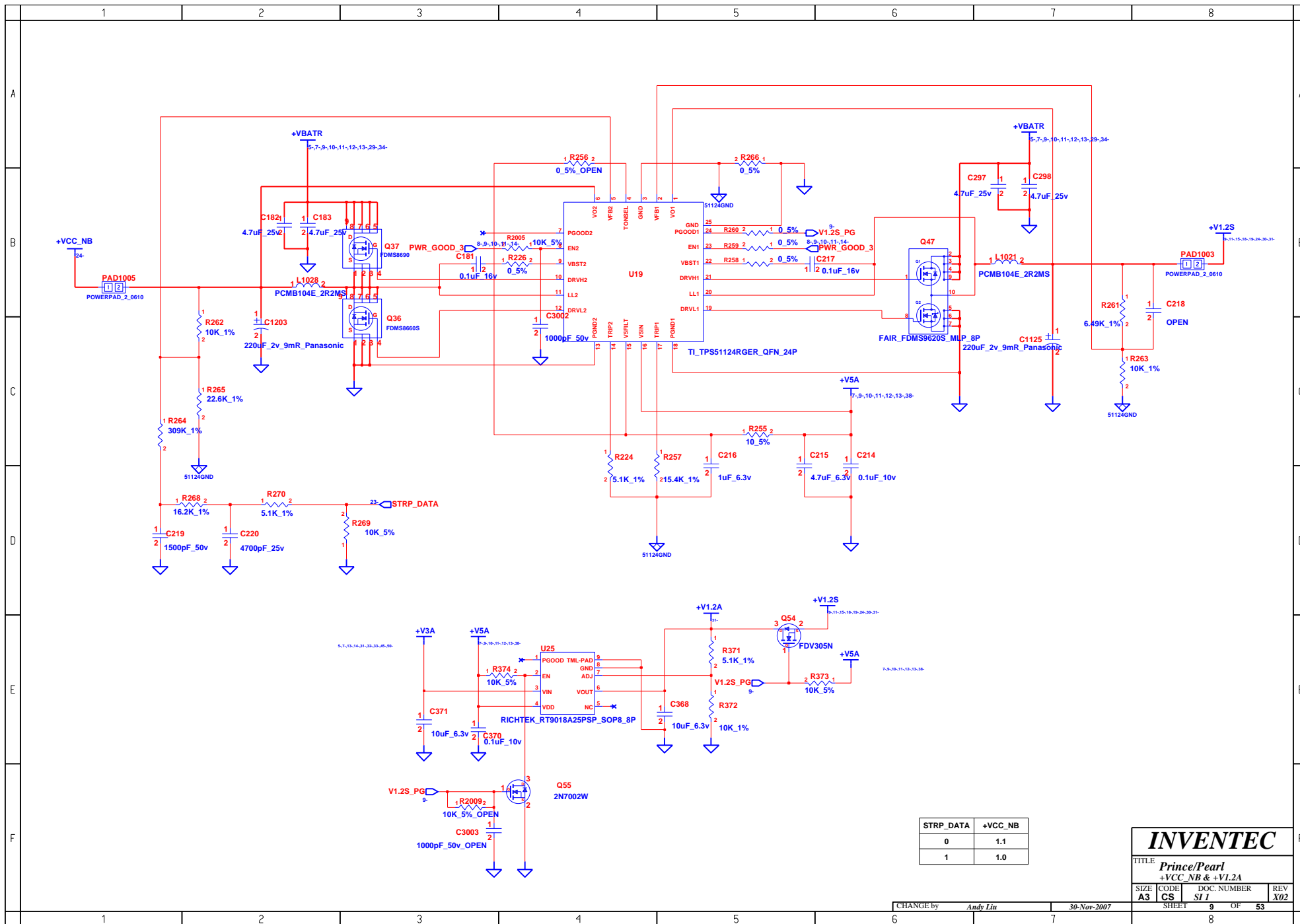
INVENTEC

TITLE
**Prince/Pearl
OCP**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 22-Jan-2008

SHEET 8 OF 53



STRP_DATA	+VCC_NB
0	1.1
1	1.0

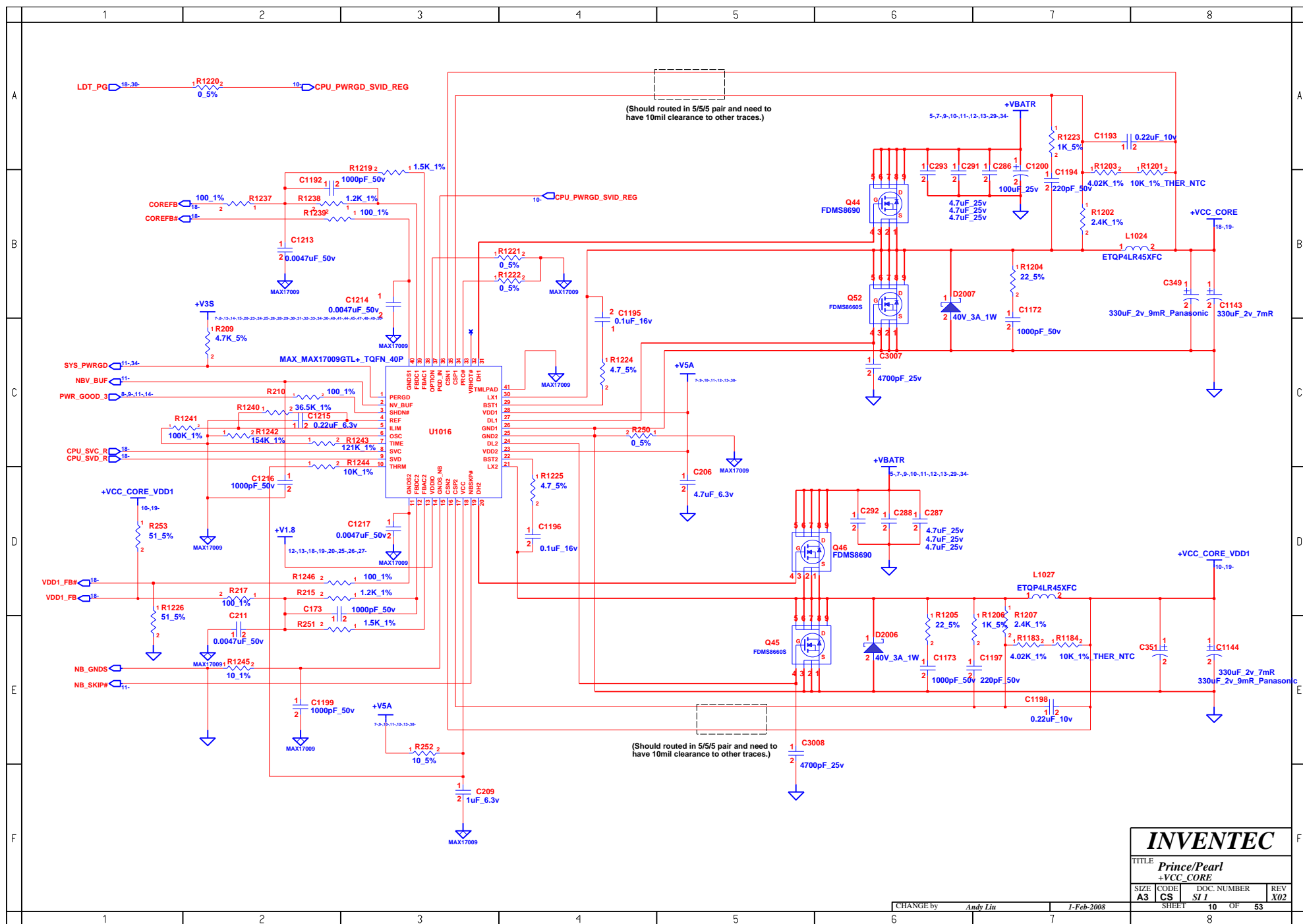
INVENTEC

TITLE
Prince/Pearl
+VCC_NB & +V1.2A

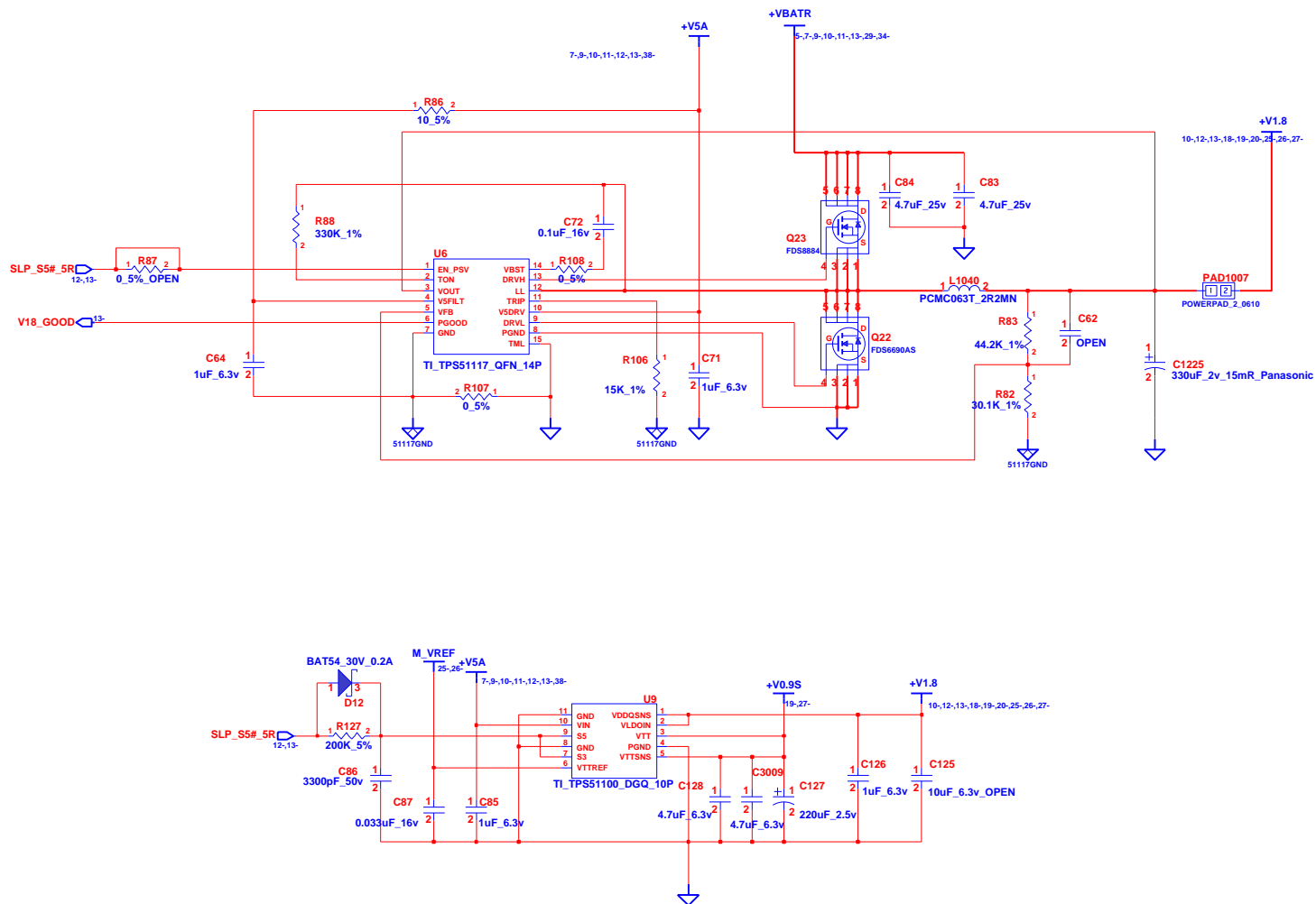
SIZE A3	CODE CS	DOC. NUMBER S11	REV X02
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CHANGE by *Andy Liu* 30-Nov-2007

SHEET 9 OF 53



INVENTEC



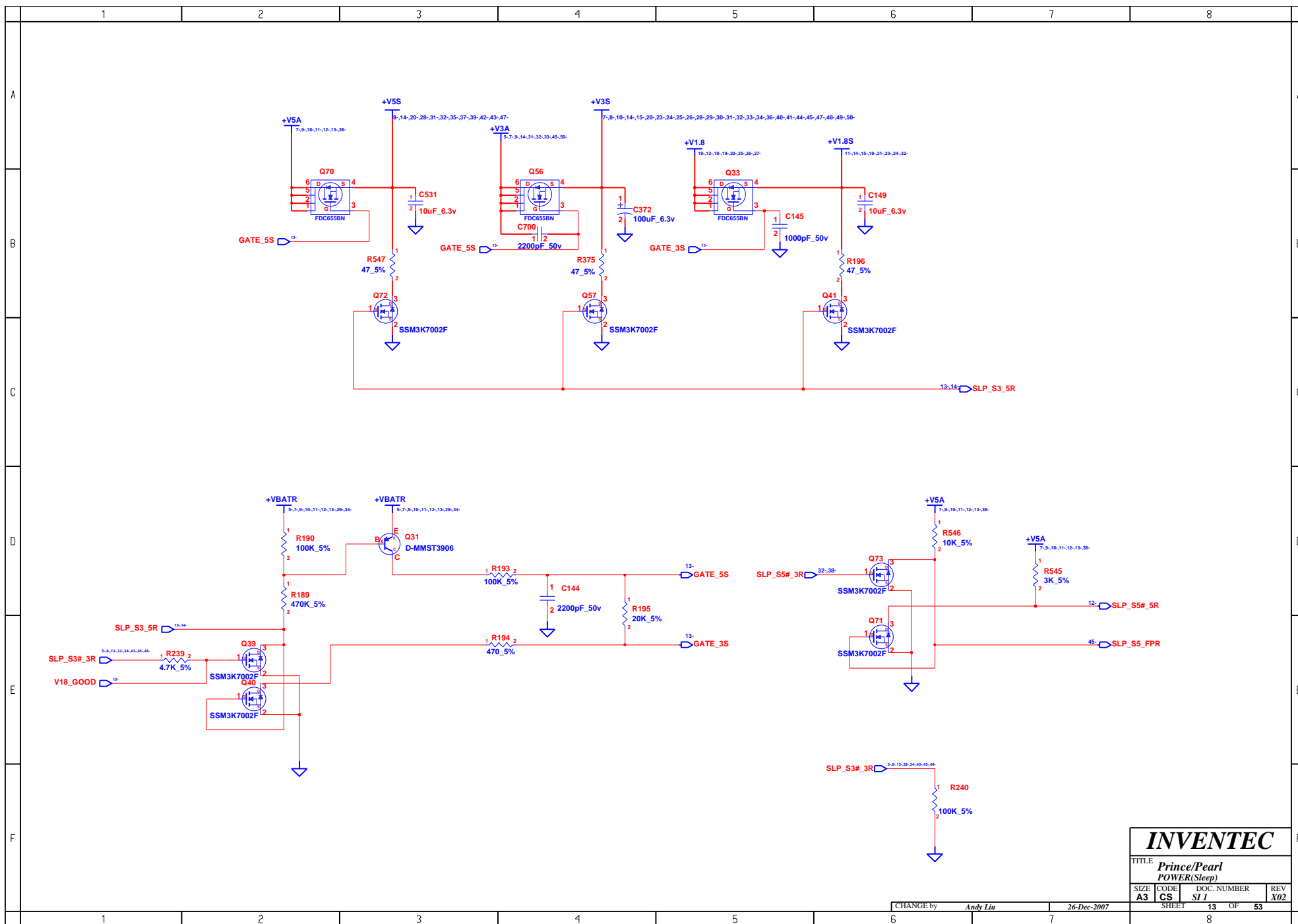
NOTE: DDR2 REGULATOR

INVENTEC

TITLE			
Prince/Pearl			
DDR2 POWER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 21-Nov-2007

SHEET 12 OF 53



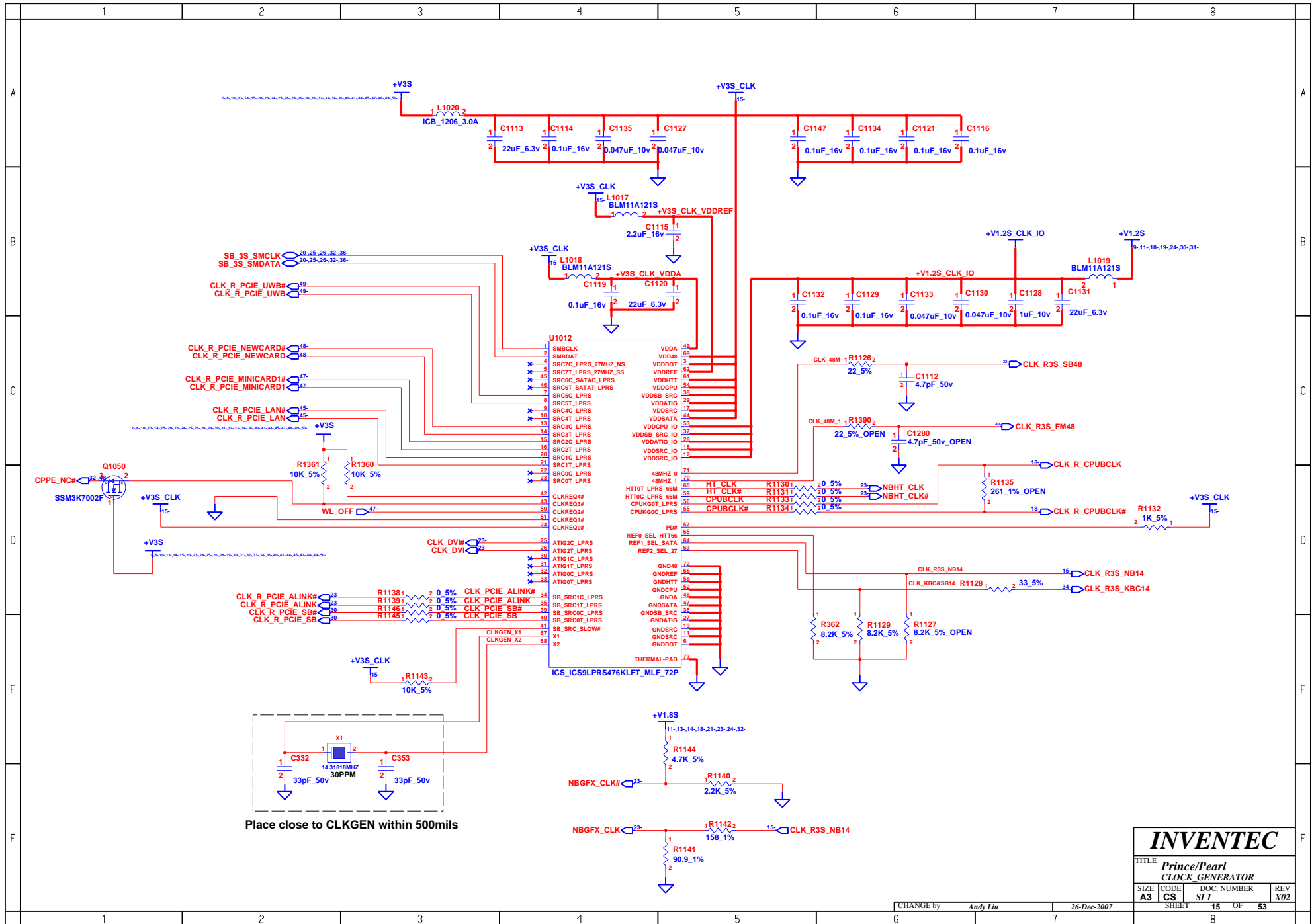
INVENTEC

TITLE
**Prince/Pearl
POWER(Sleep)**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by *Andy Liu* 26-Dec-2007

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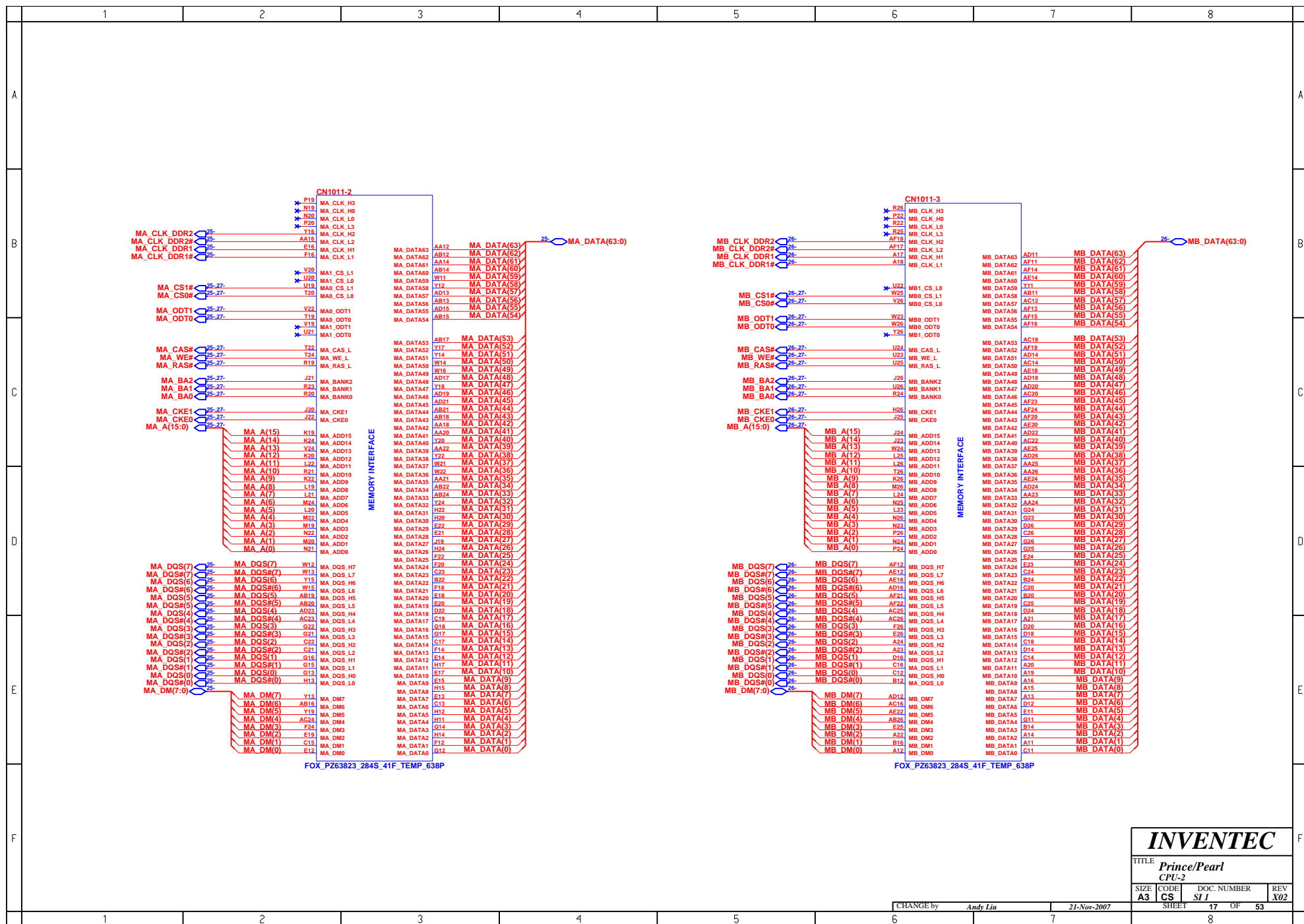
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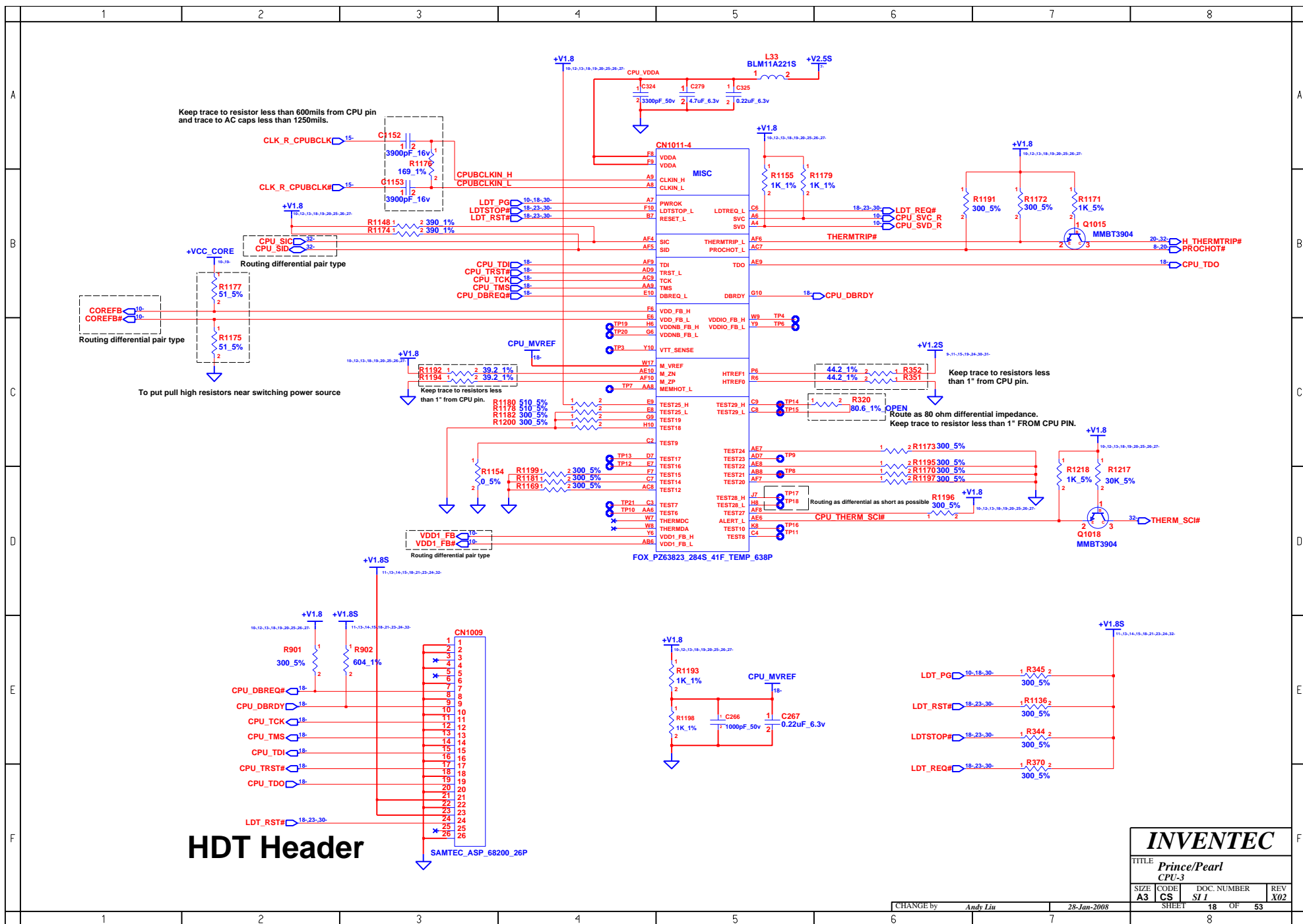
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SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02

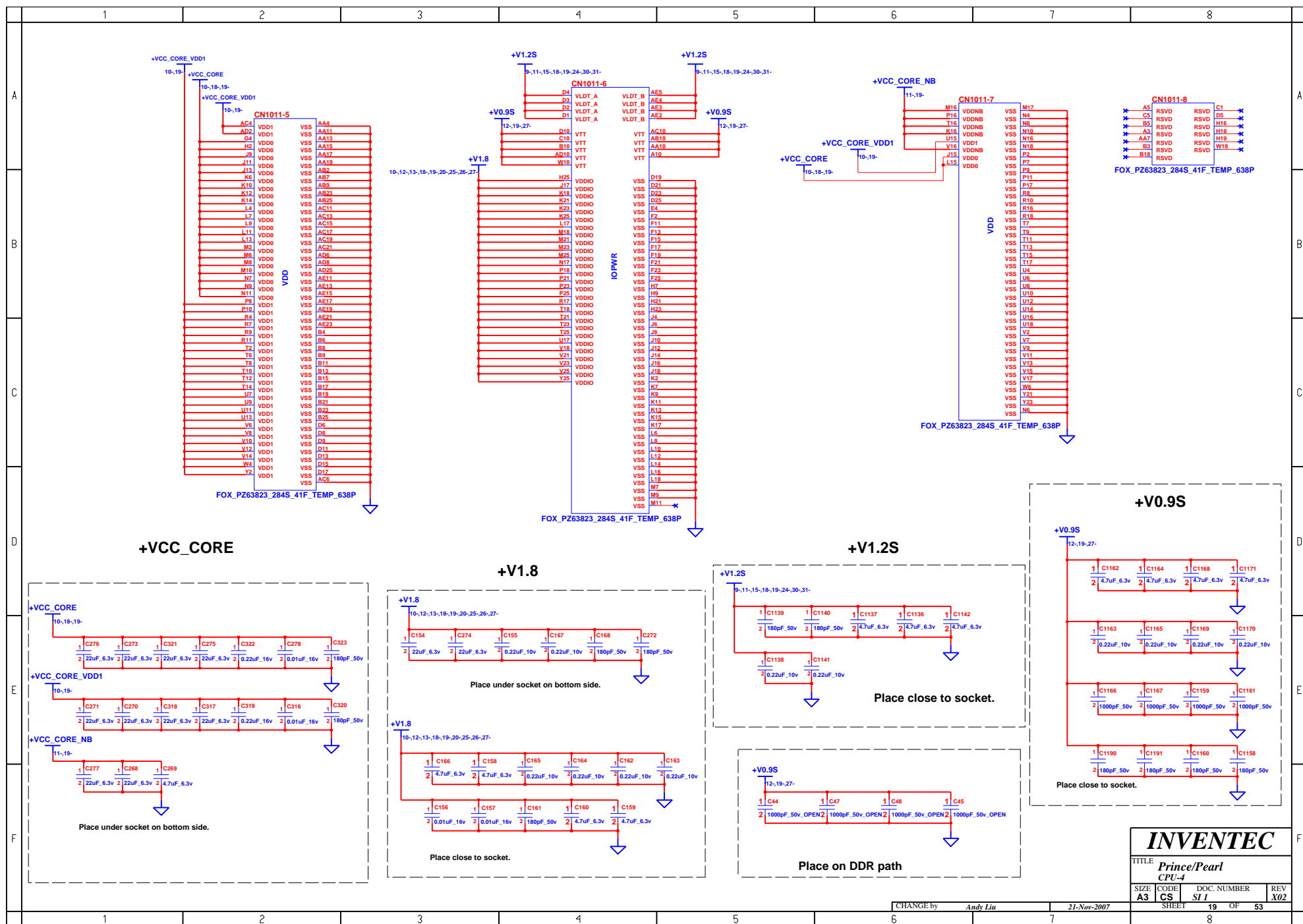
CHANGE by *Andy Liu* 26-Dec-2007

SHEET 15 OF 53

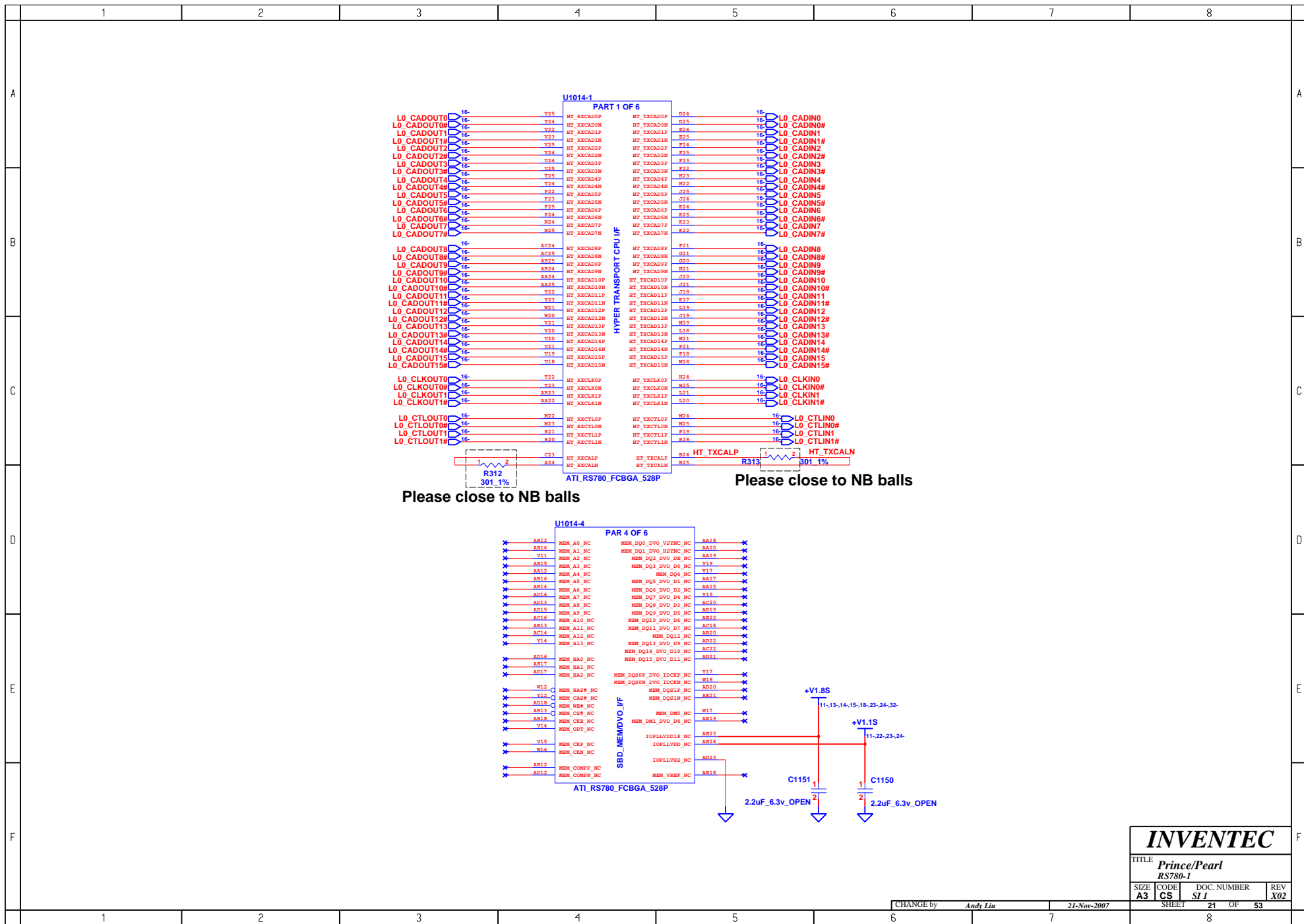












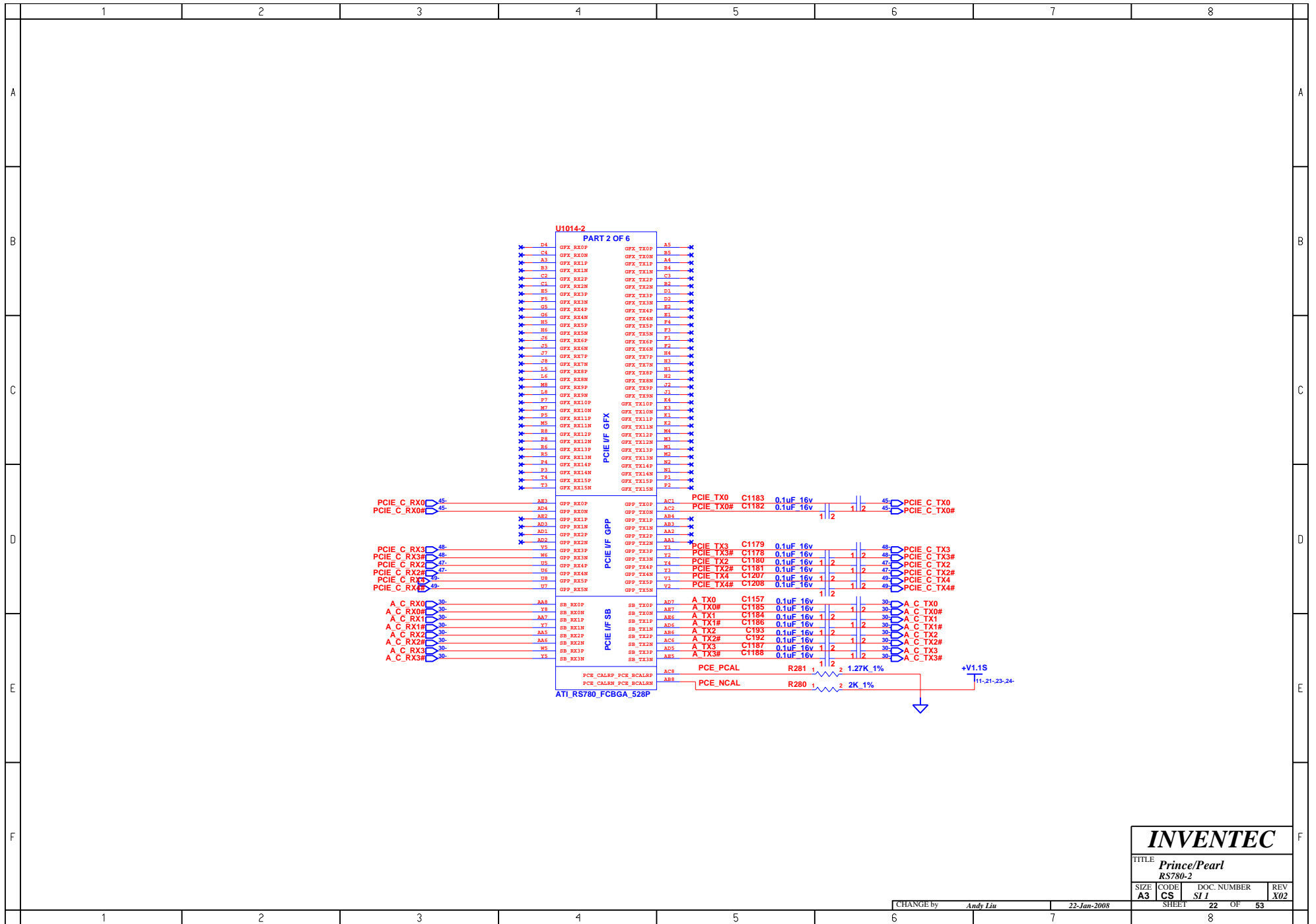
INVENTEC

TITLE Prince/Pearl
RS780-1

SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
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CHANGE by Andy Liu 21-Nov-2007

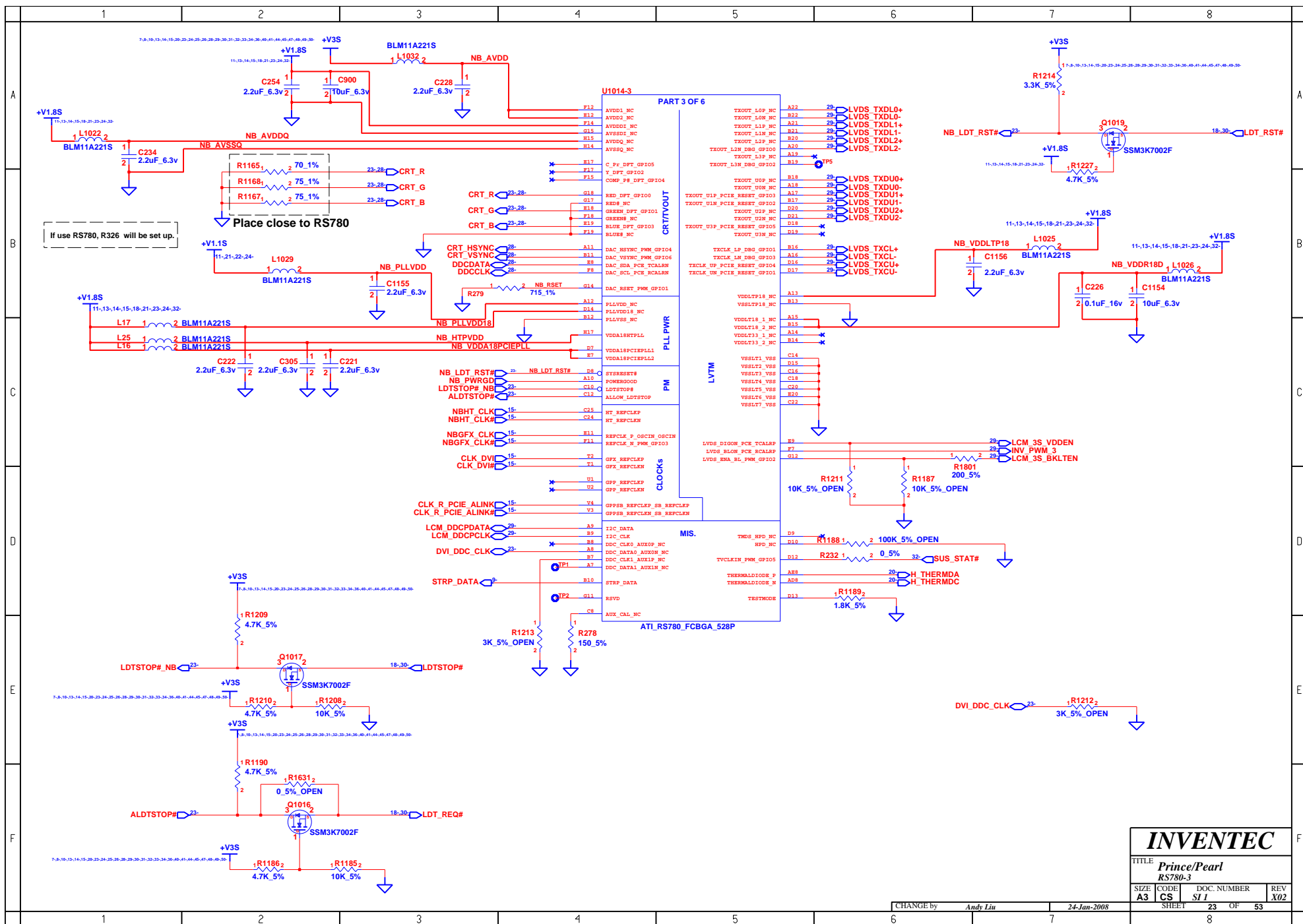
SHEET 21 OF 53

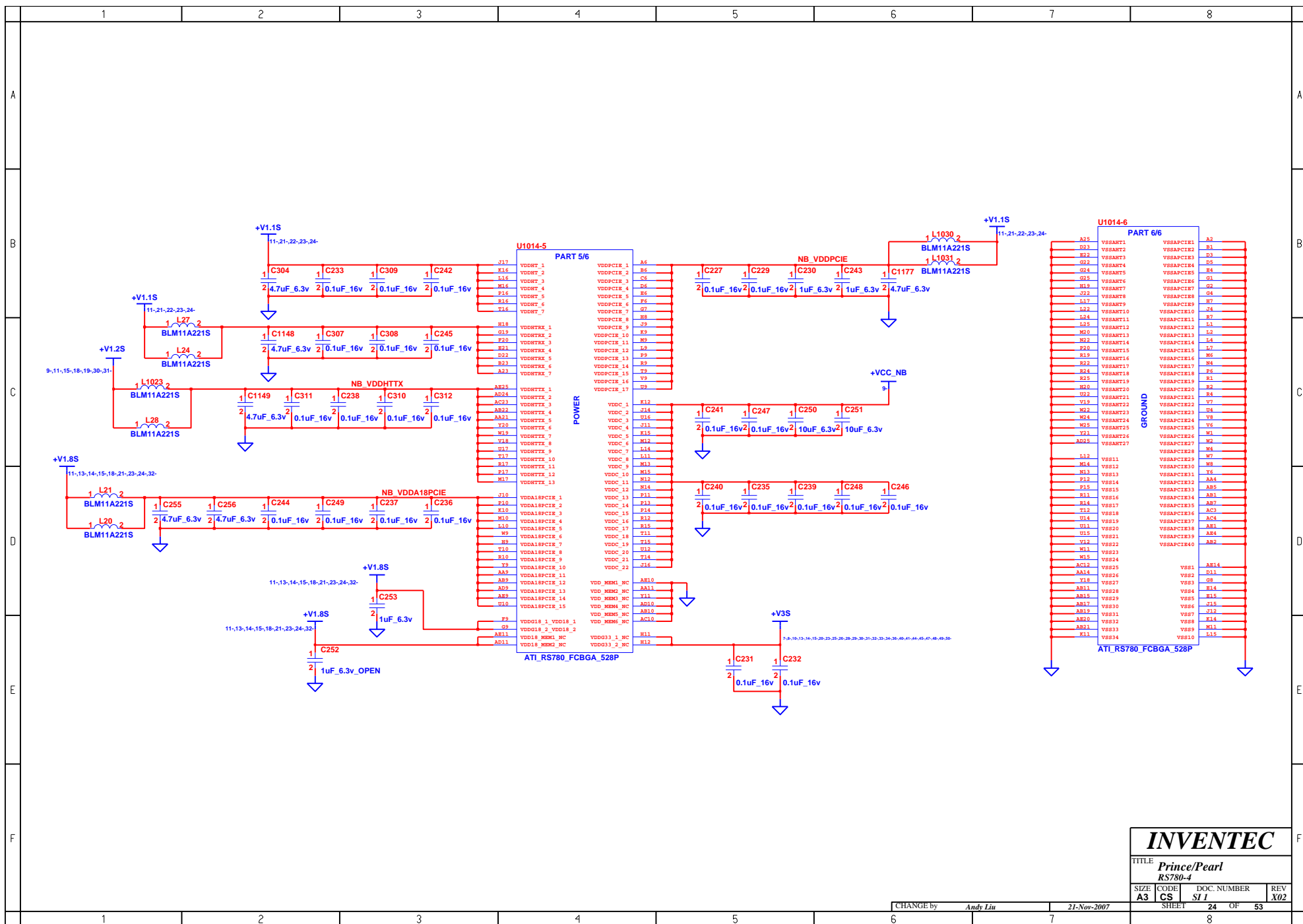


INVENTEC

TITLE
Prince/Pearl
RS780-2

SIZE A3 CODE CS DOC. NUMBER S11 SHEET 22 OF 53 REV X02

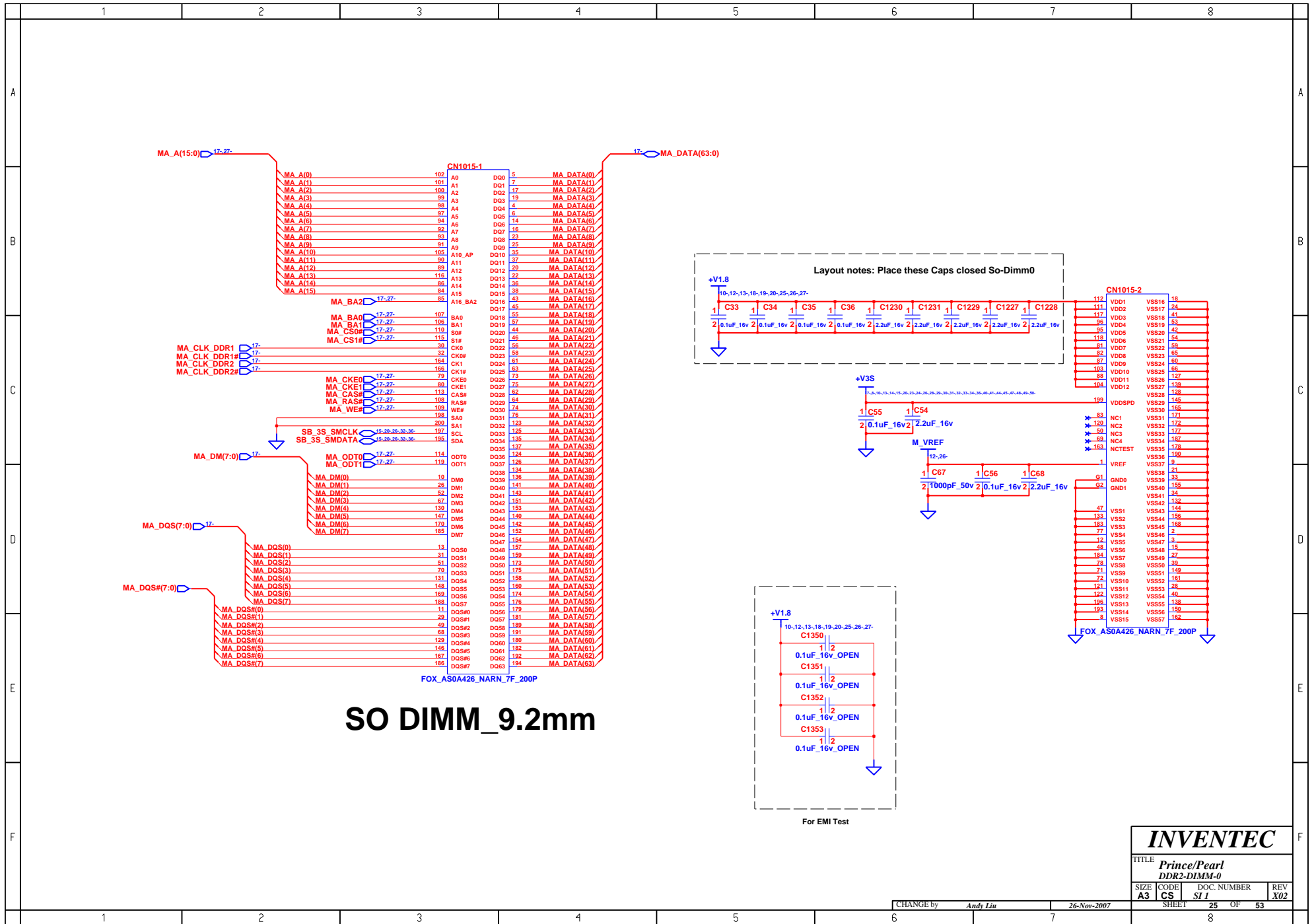


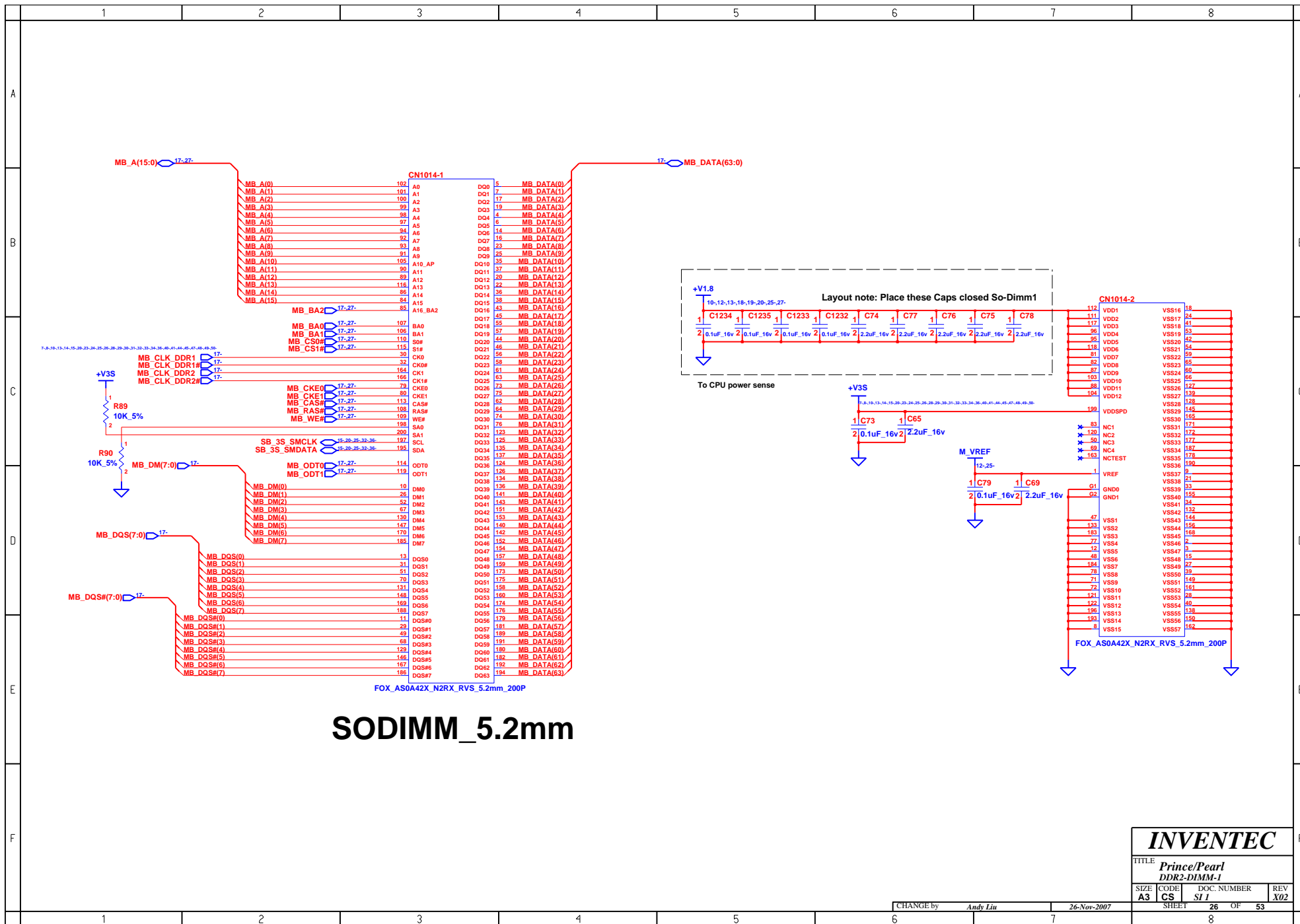
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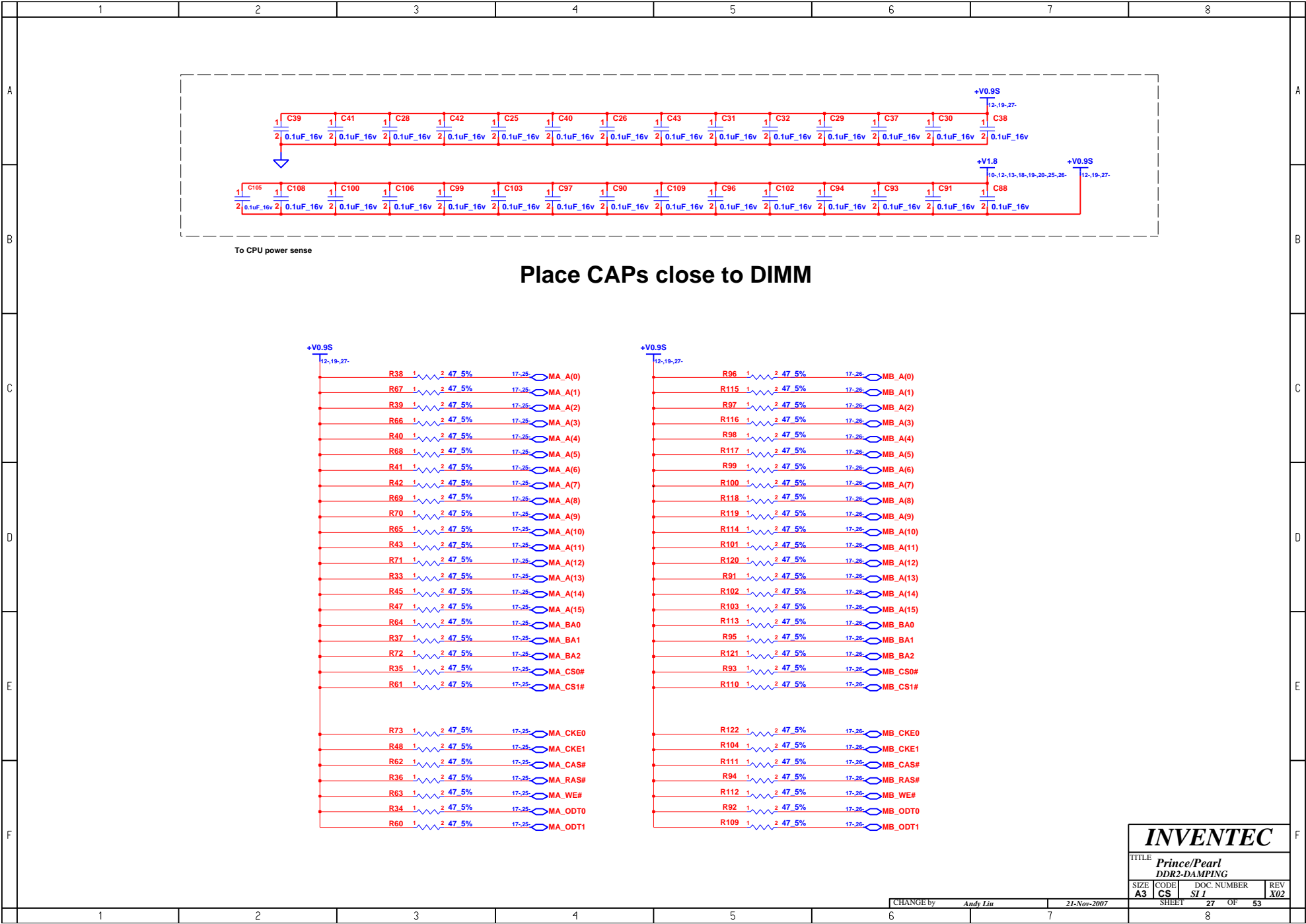
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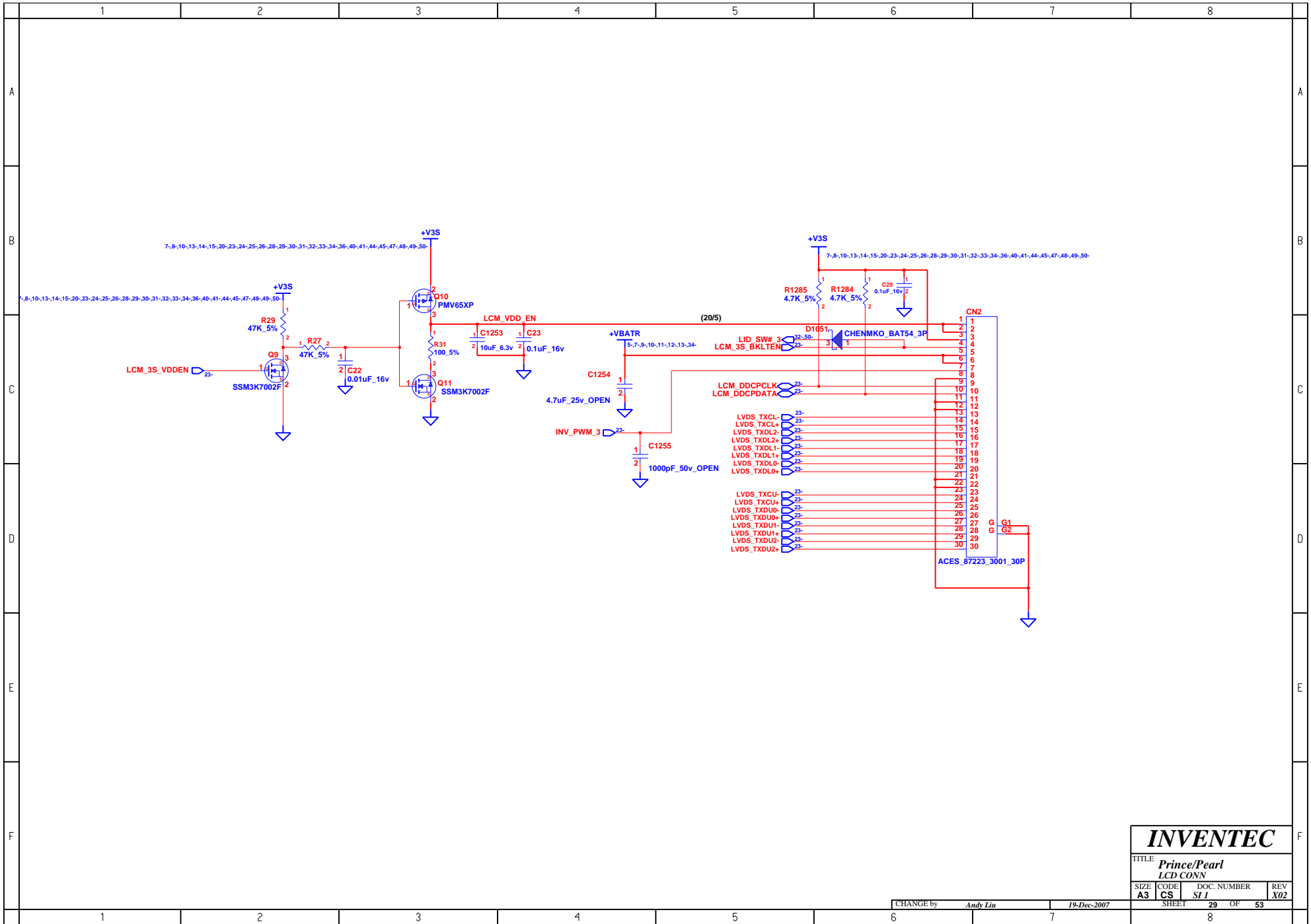
SIZE A3	CODE CS	DOC. NUMBER <i>SI 1</i>	REV X02
SHEET 24 OF 53			

CHANGE by	<i>Andy Liu</i>	<i>21-Nov-2007</i>
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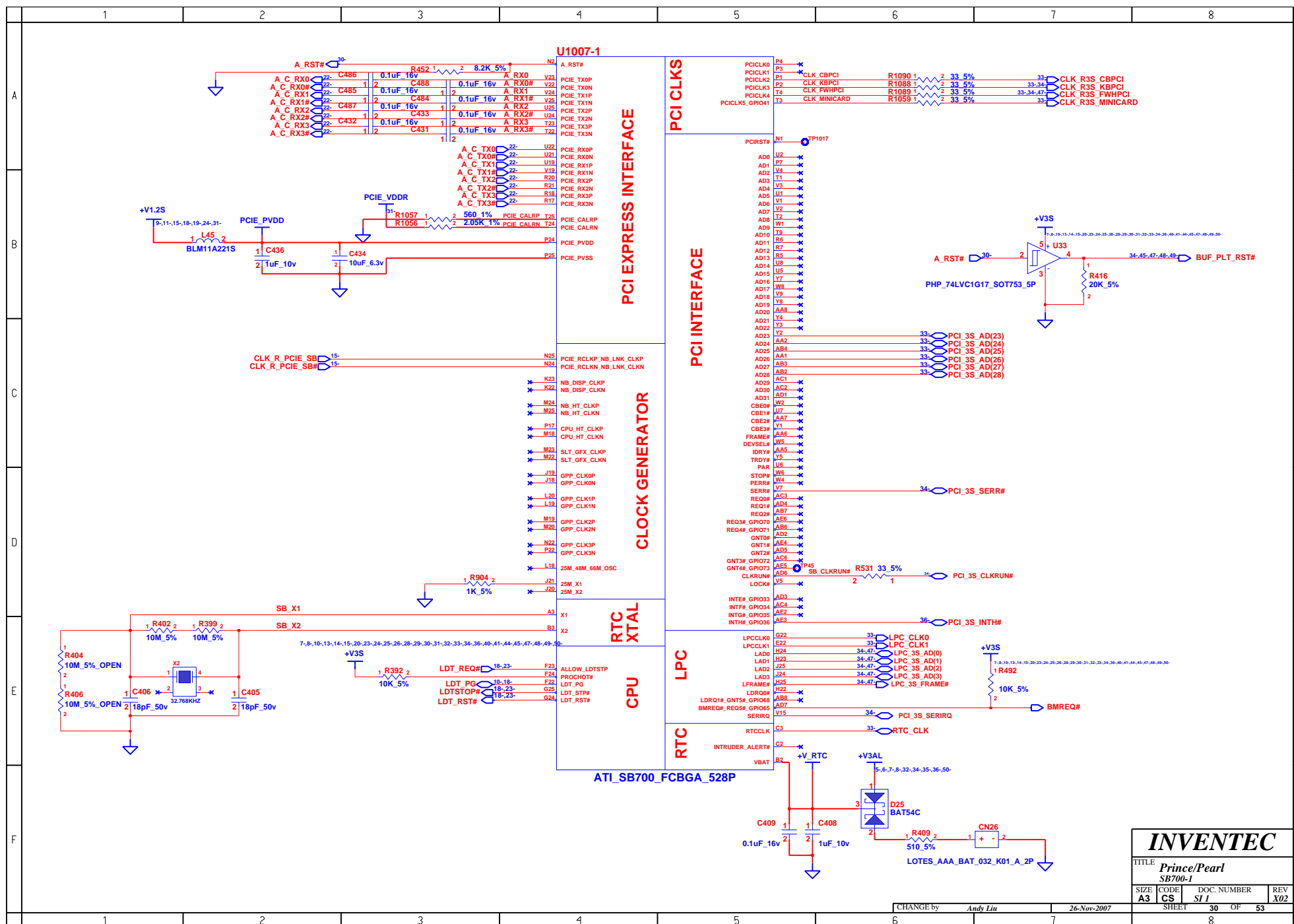


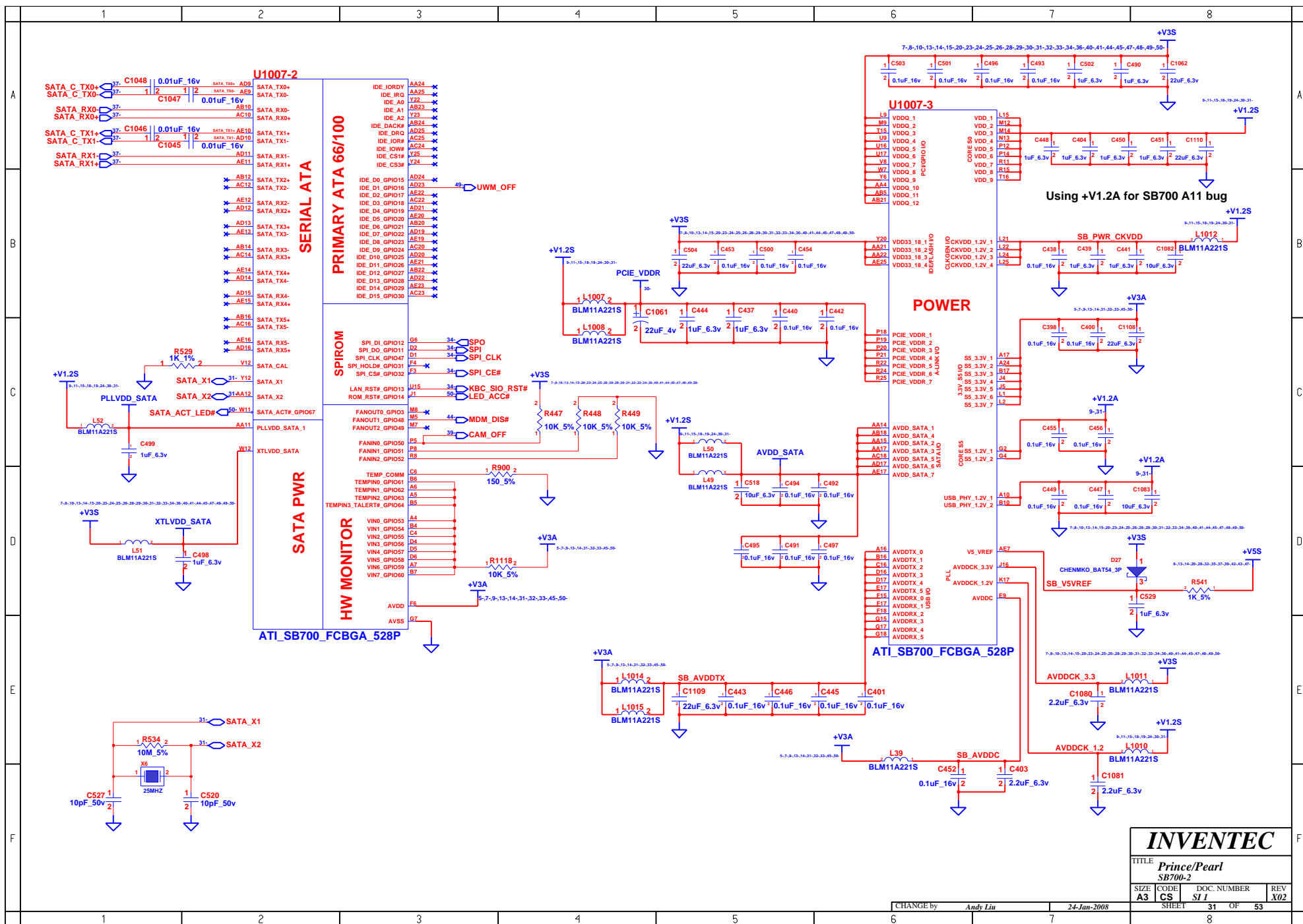
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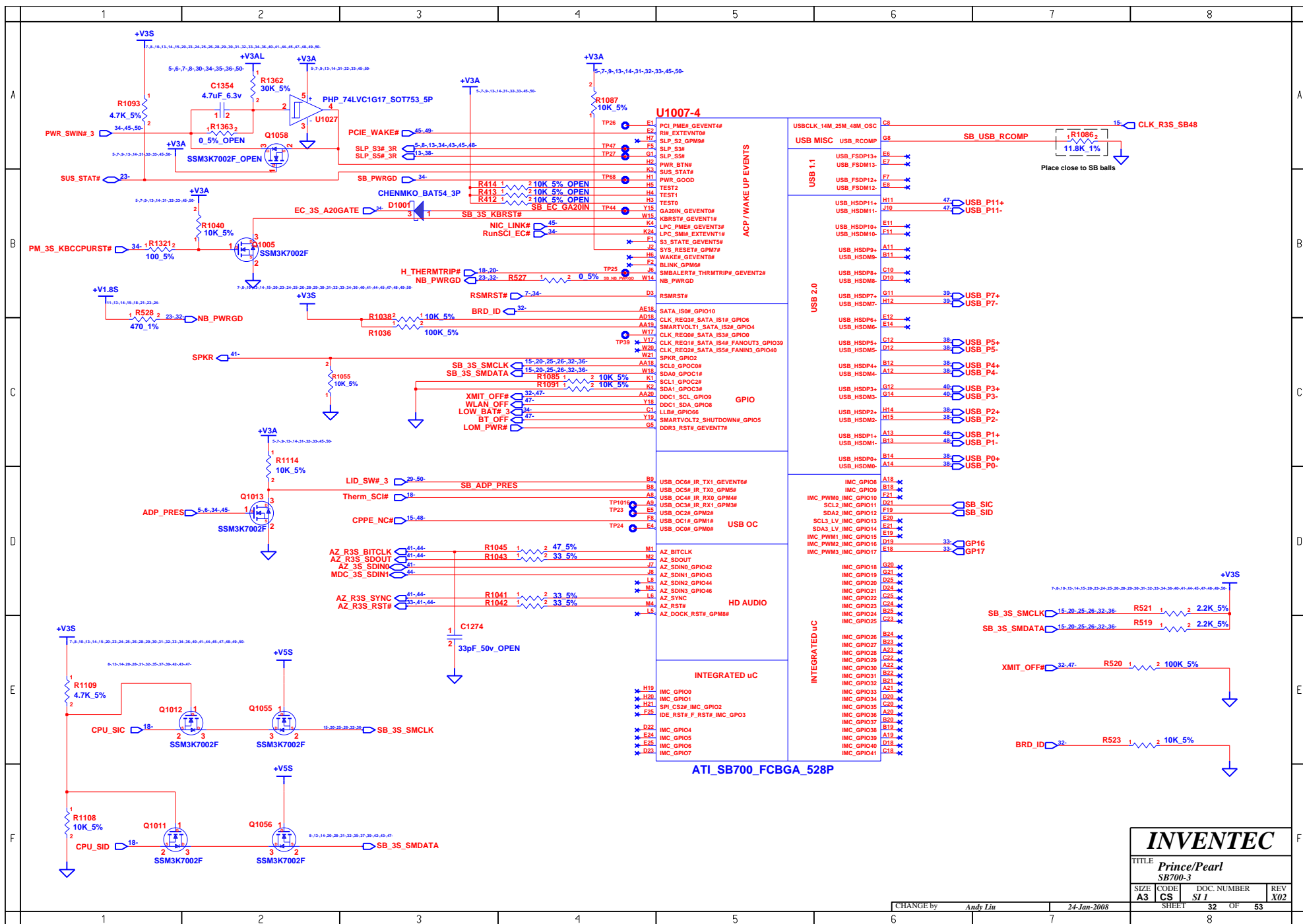
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SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

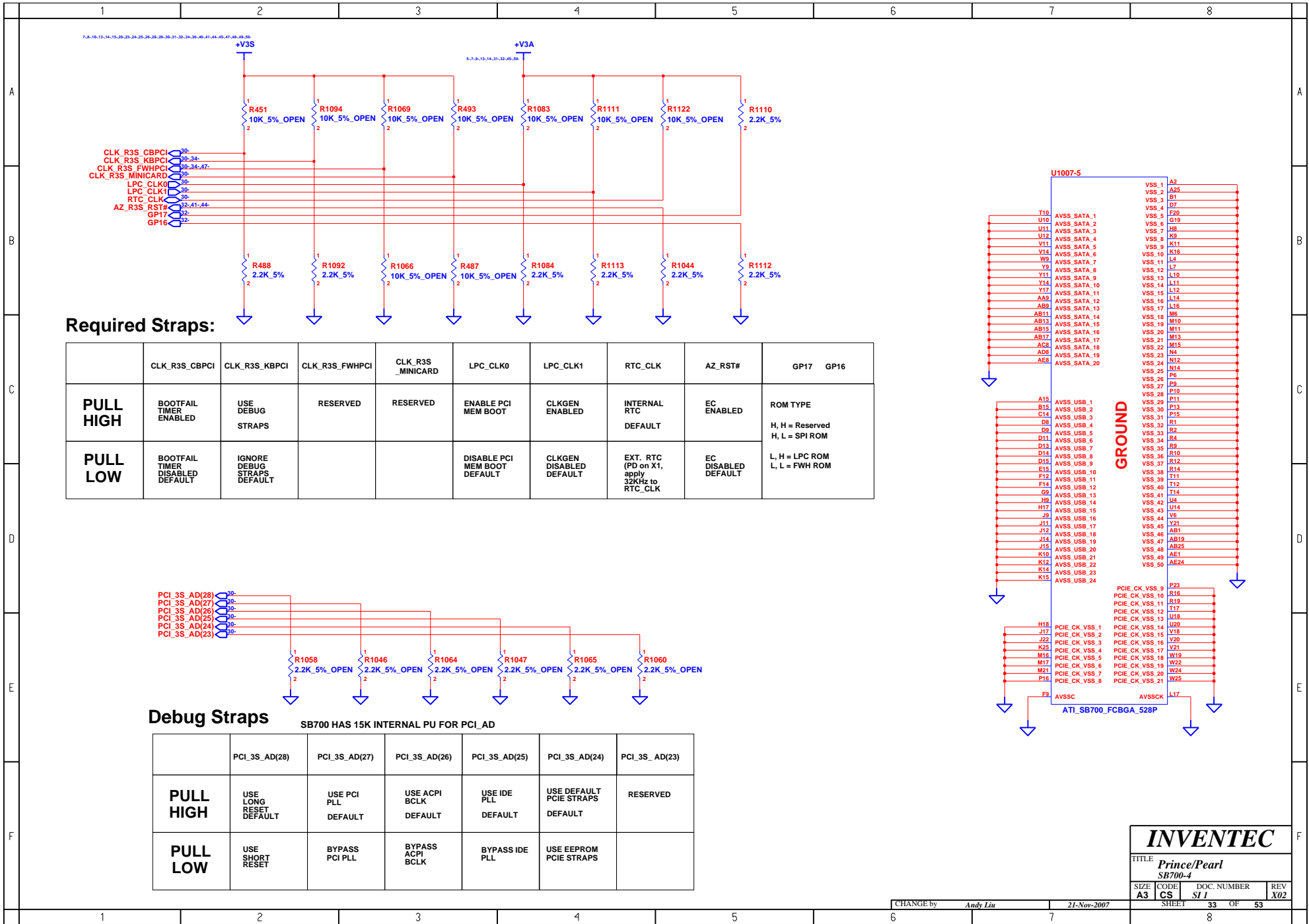
CHANGE by Andy Liu 19-Dec-2007

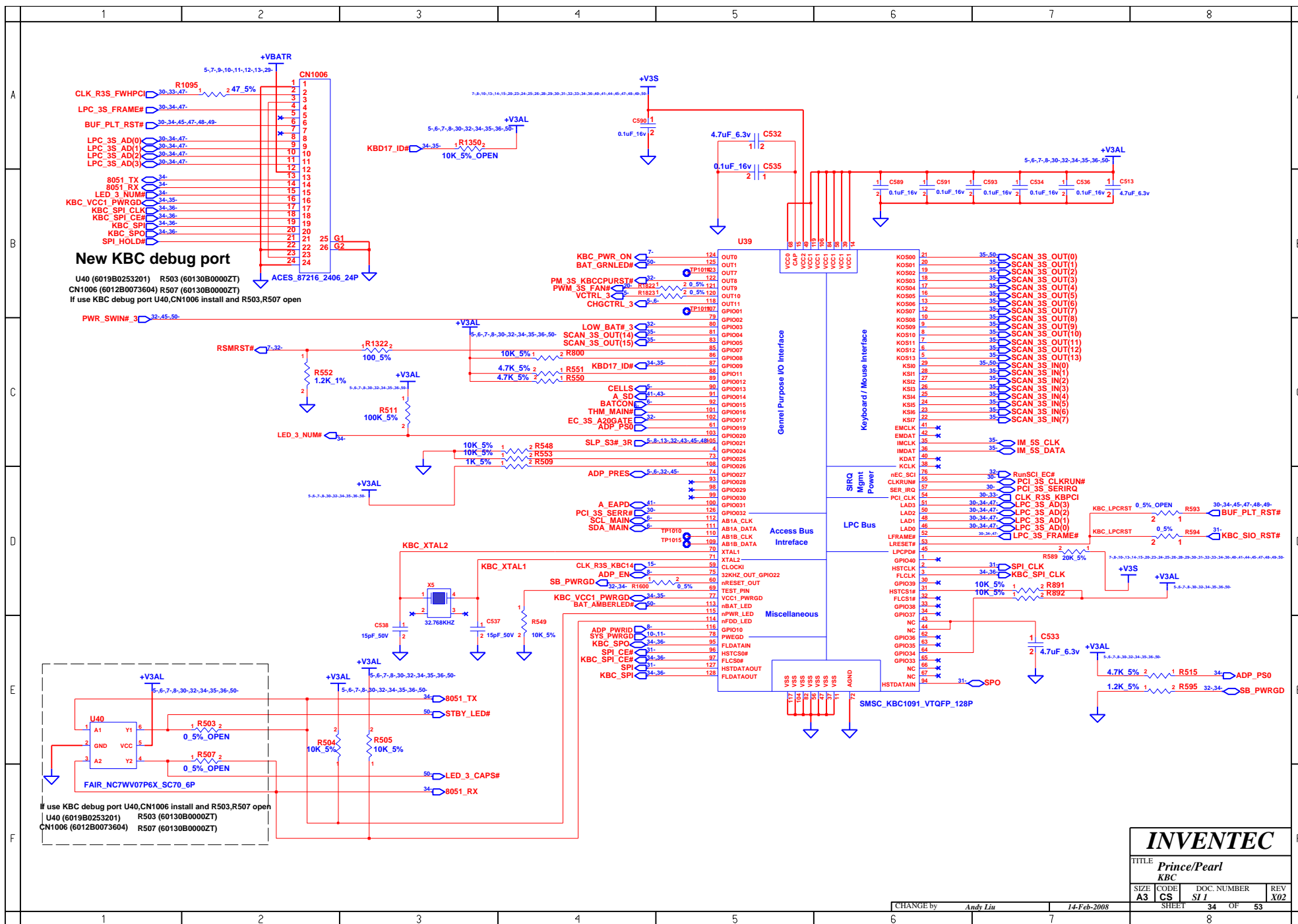
SHEET 29 OF 53

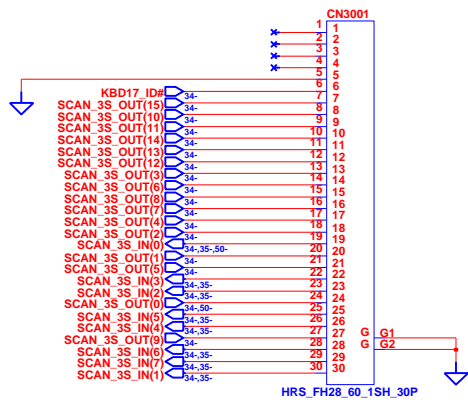




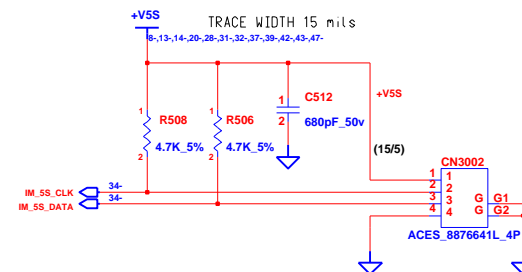
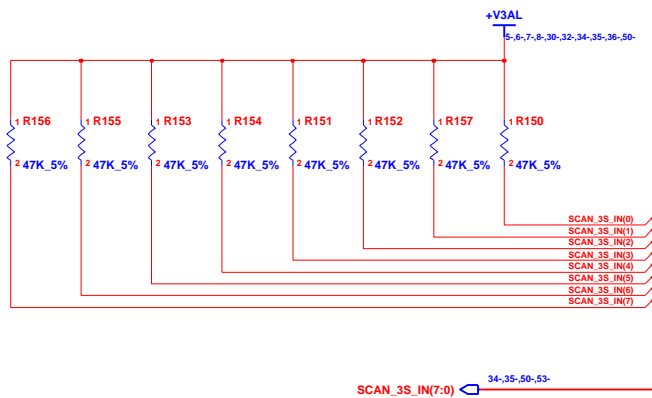




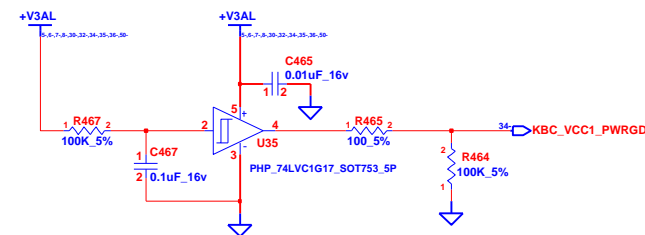




KEYBOARD CONN



TOUCH PAD CNTR



U35 should be placed close to U39.

INVENTEC

TITLE Prince/Pearl
KB&TP CONN

SIZE A3 CODE CS DOC. NUMBER S1 1 REV X02

CHANGE by Andy Liu 23-Jan-2008

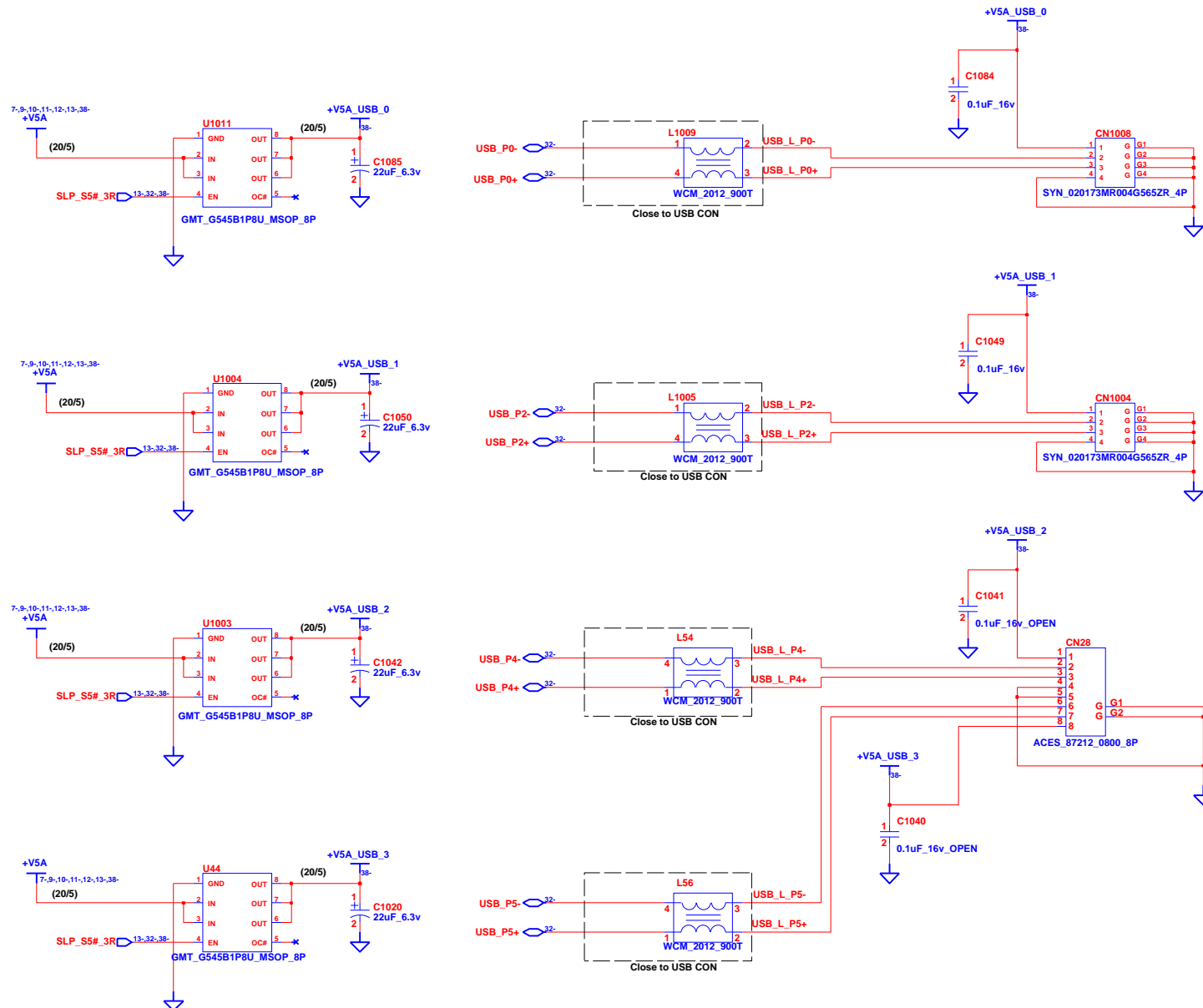
SHEET 35 OF 53





TITLE			
<i>Prince/Pearl</i> <i>HDD & ODD CONN</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>SI 1</i>	<i>X02</i>
SHEET 37 OF 53			

CHANGE by	Andy Liu	21-Nov-2007
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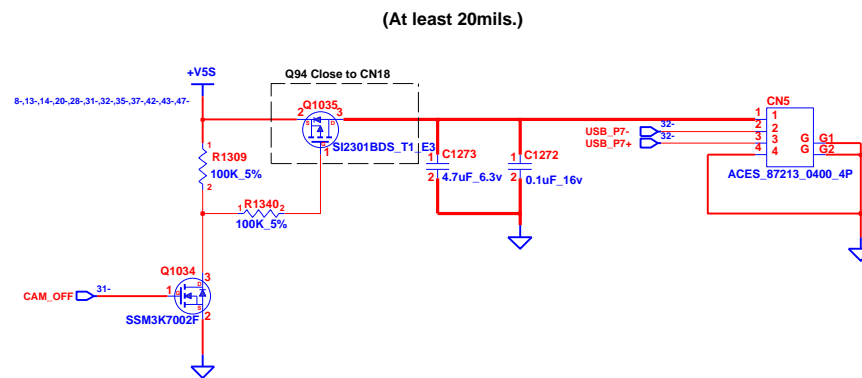
INVENTEC

TITLE
Prince/Pearl
USB CONN

SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
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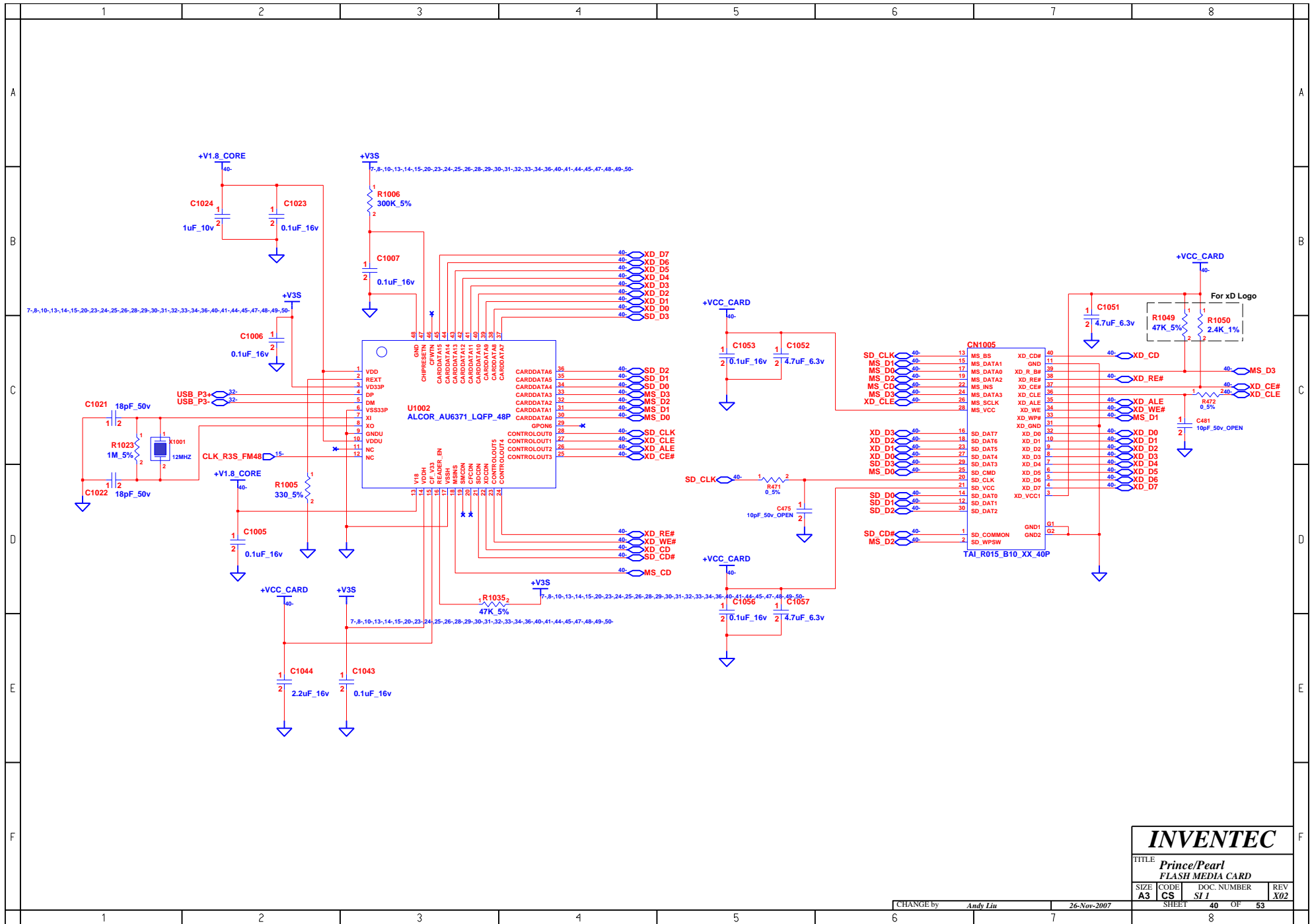
CHANGE by *Andy Liu* 21-Nov-2007

SHEET 38 OF 53



USB WEBCAM CONNECTOR

INVENTEC			
TITLE Prince/Pearl USB WEBCAM CONN			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
CHANGE by Andy Liu		26-Nov-2007	
SHEET		39 OF 53	
1		8	

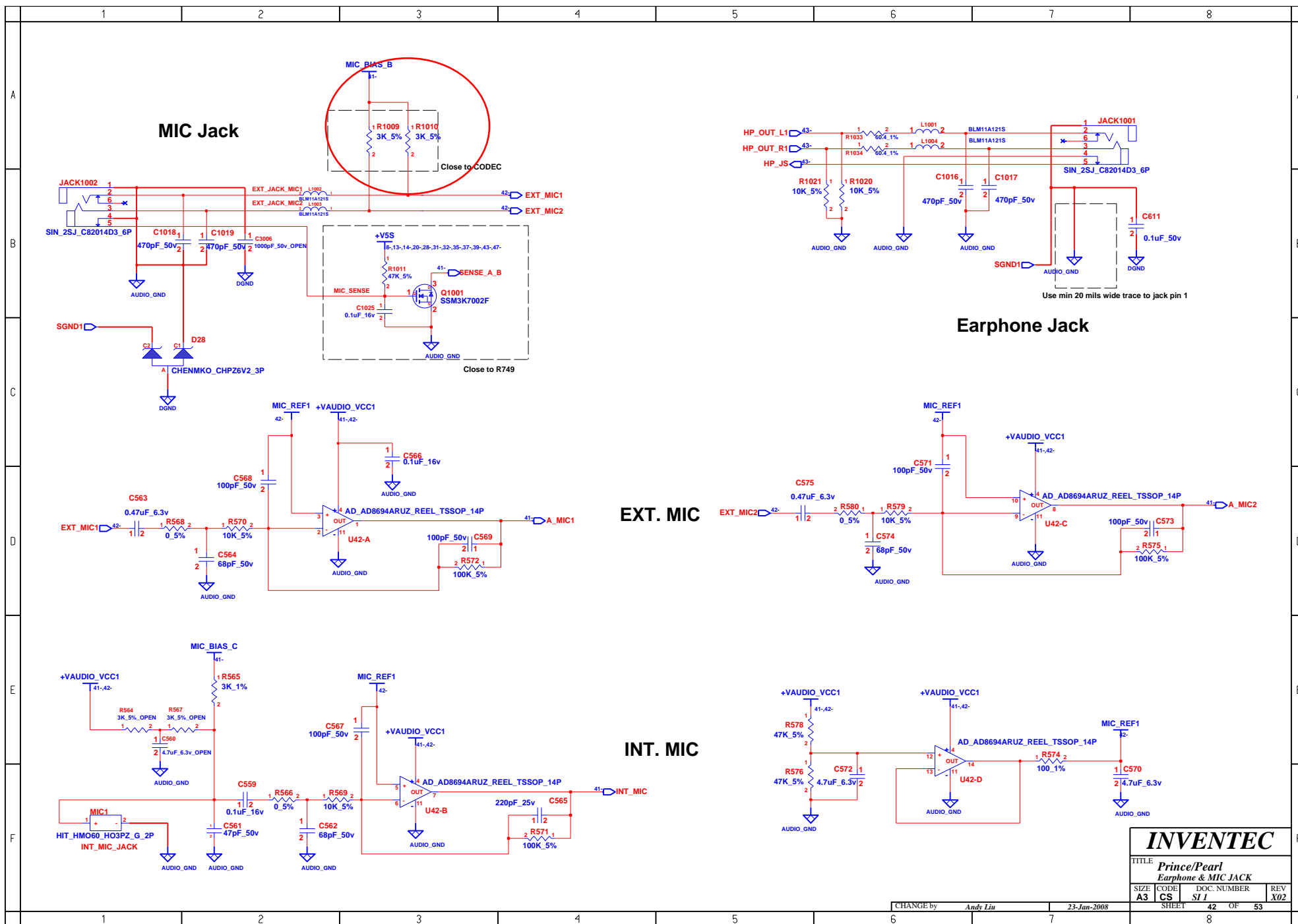


INVENTEC

TITLE			
Prince/Pearl FLASH MEDIA CARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 26-Nov-2007

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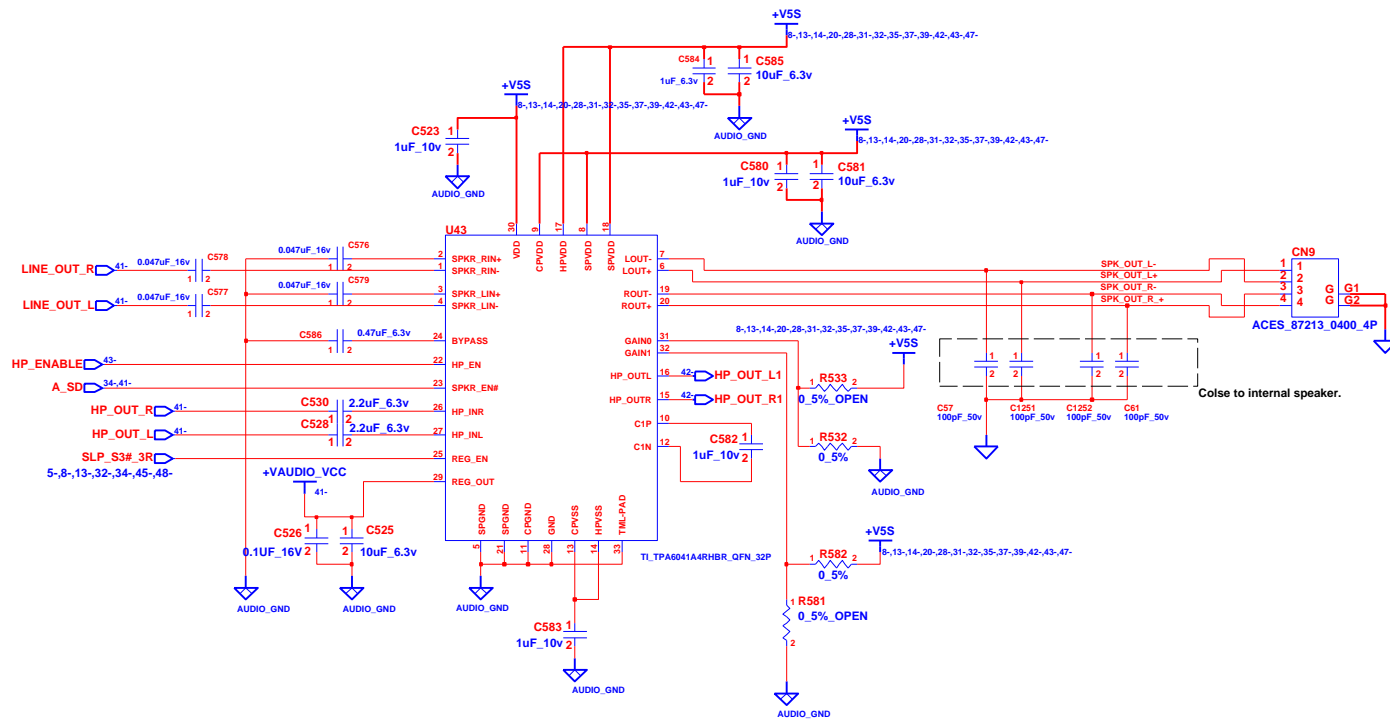


INVENTEC

TITLE Prince/Pearl Earphone & MIC JACK			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02

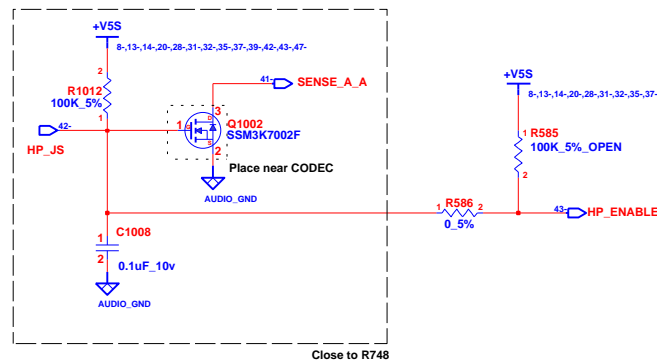
CHANGE by Andy Liu 23-Jan-2008

SHEET 42 OF 53



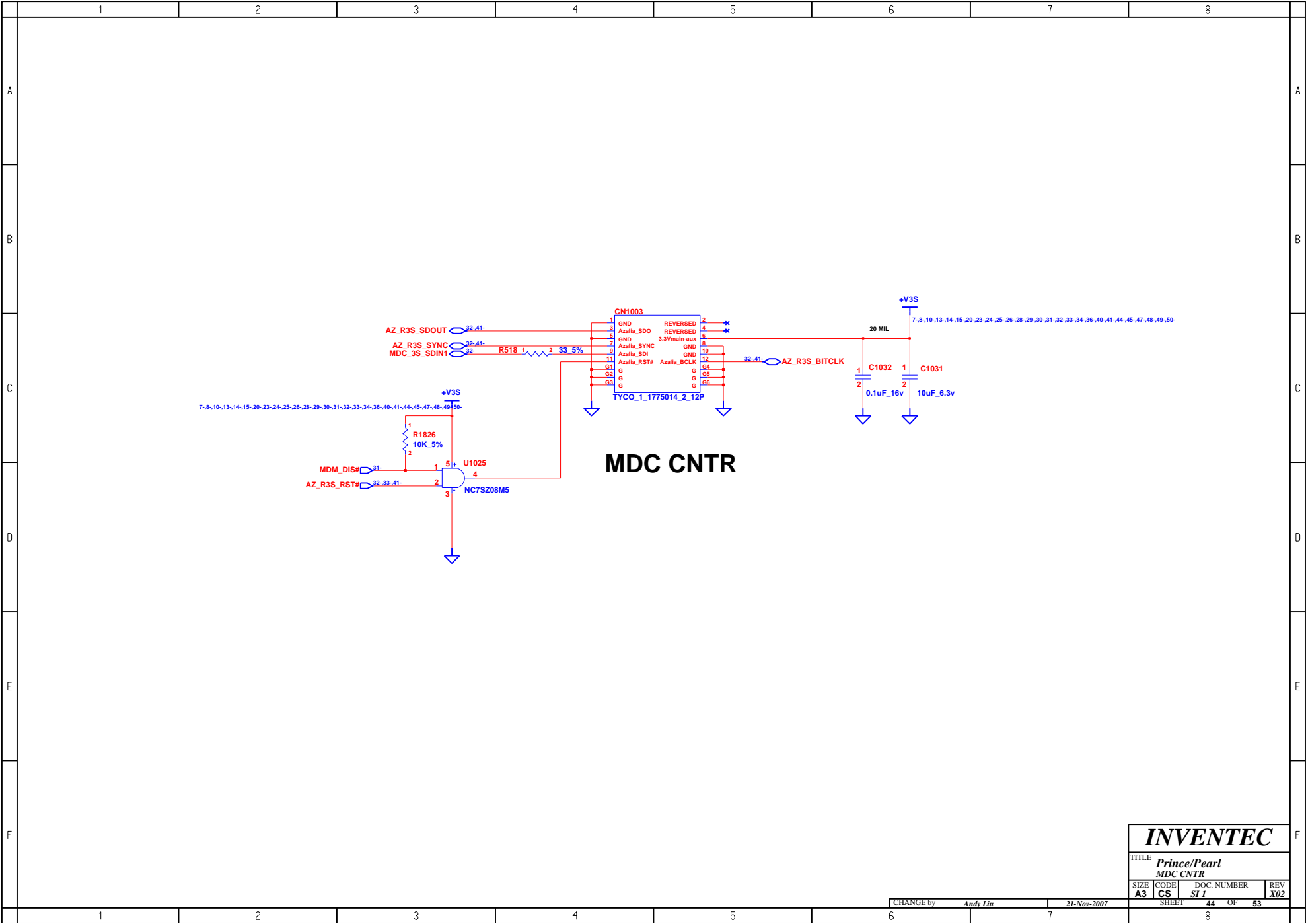
Internal Speaker

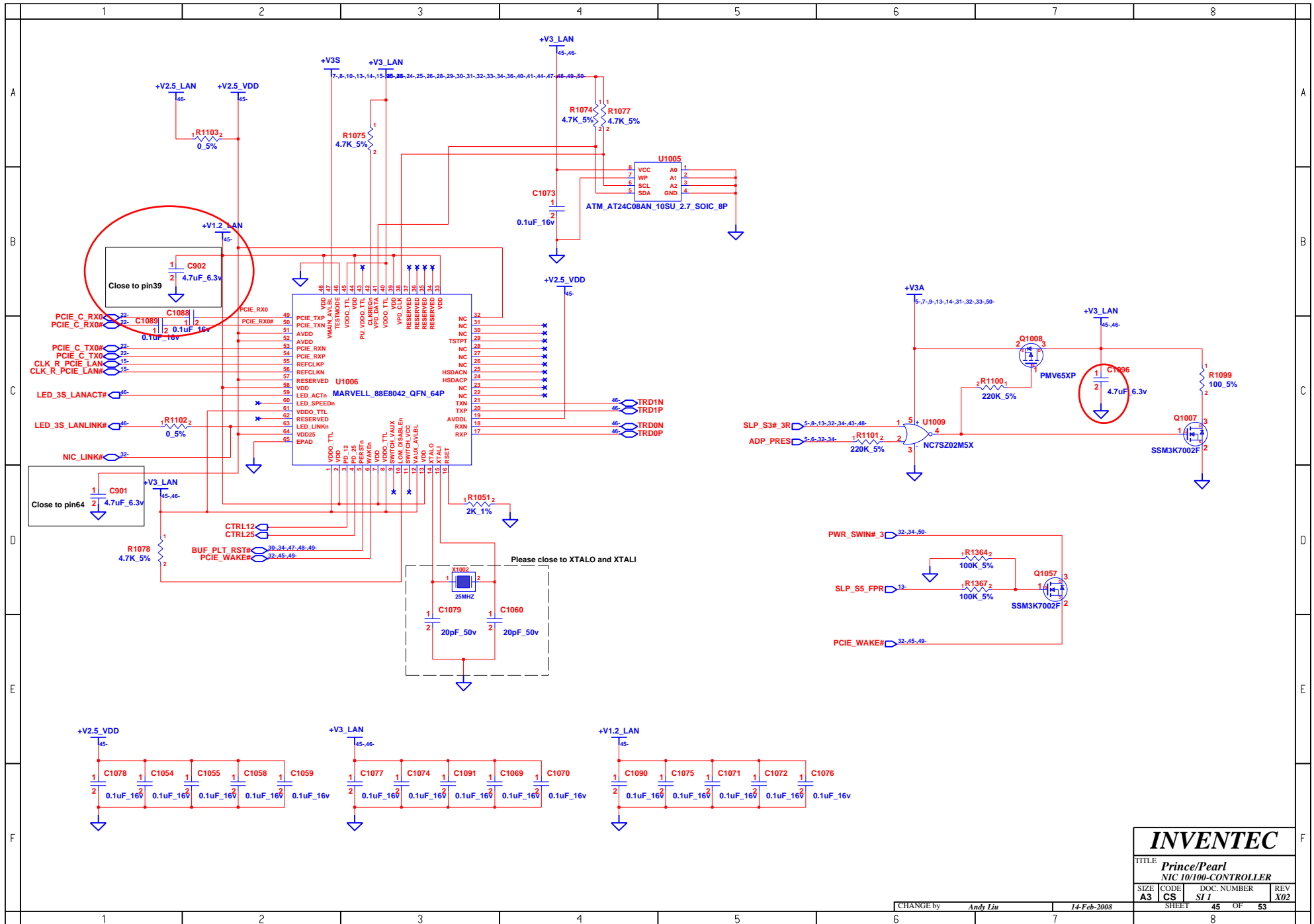
Close to internal speaker.



Close to R748

INVENTEC			
TITLE Prince/Pearl AUDIO AMP & HP JACK			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
CHANGE by Andy Liu		21-Nov-2007	
SHEET 43		OF 53	



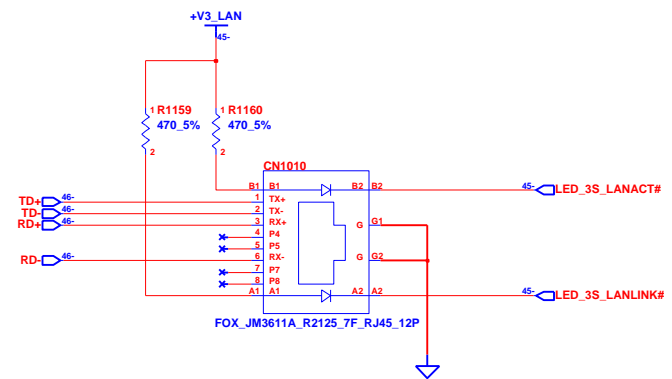
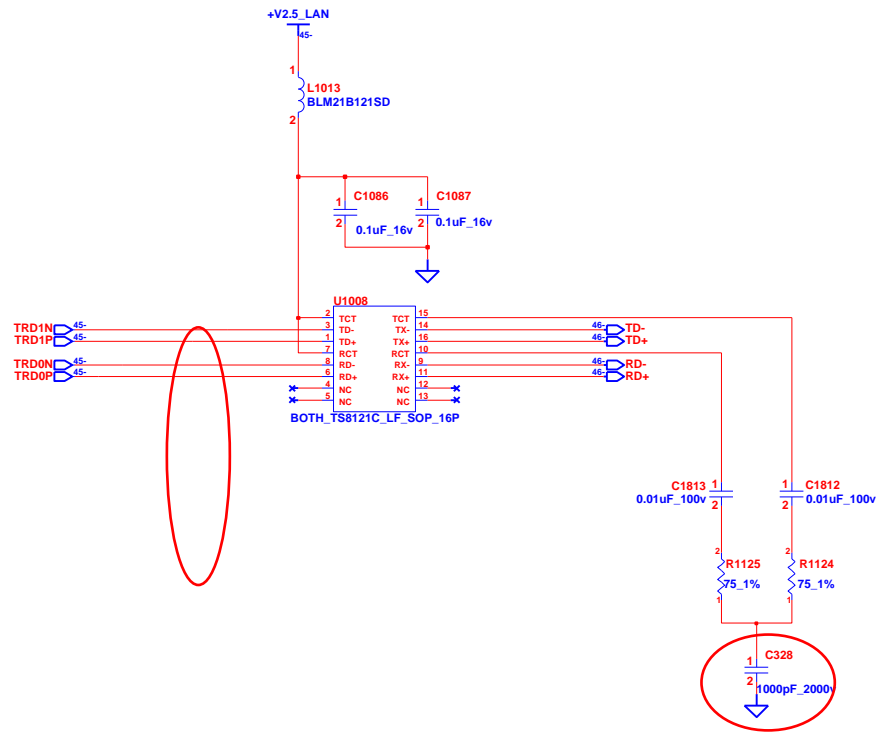


INVENTEC

TITLE			
Prince/Pearl			
NIC 10/100-CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 14-Feb-2008

SHEET 45 OF 53



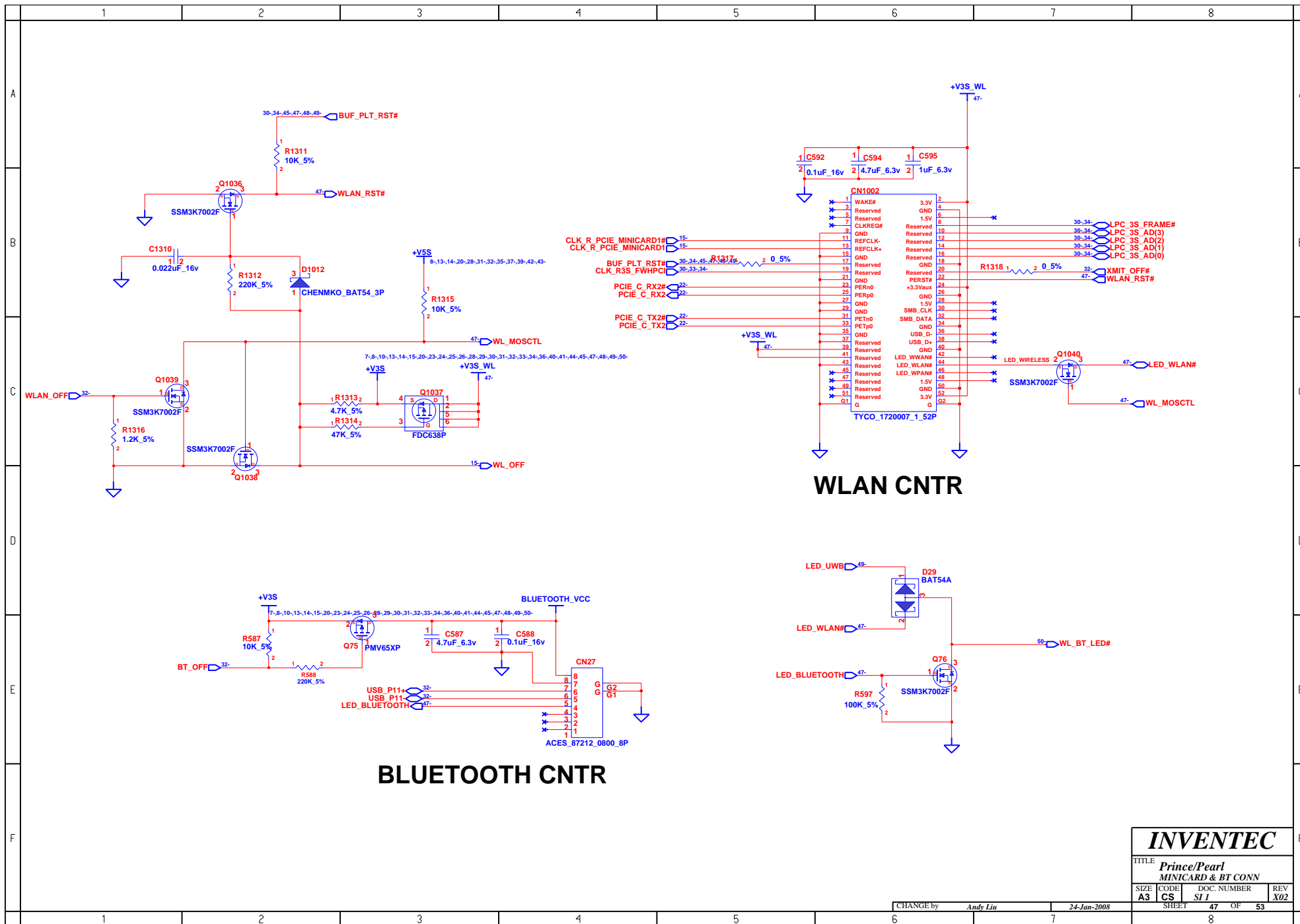
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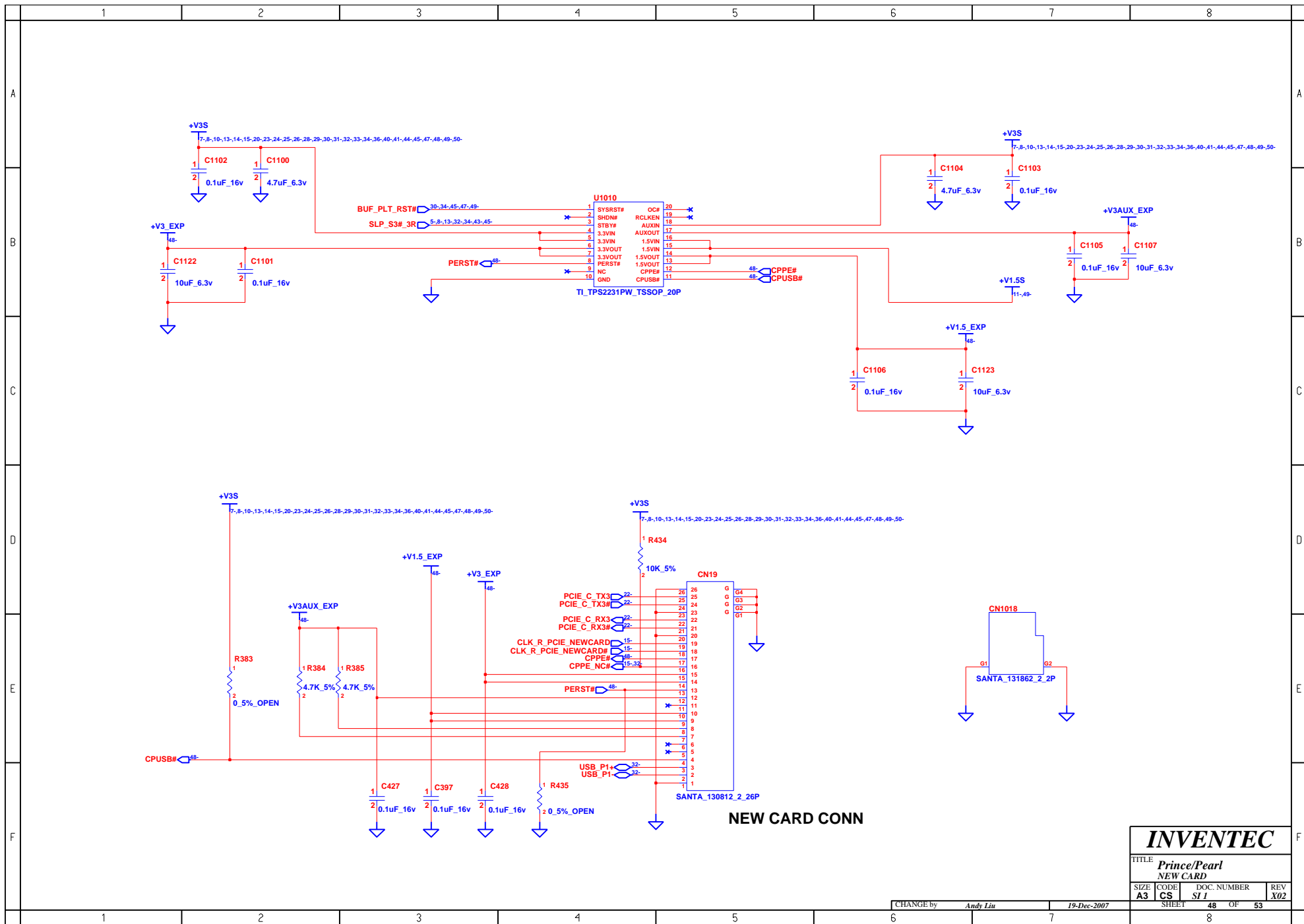
TITLE
Prince/Pearl
NIC 10/100-RJ45 CONN

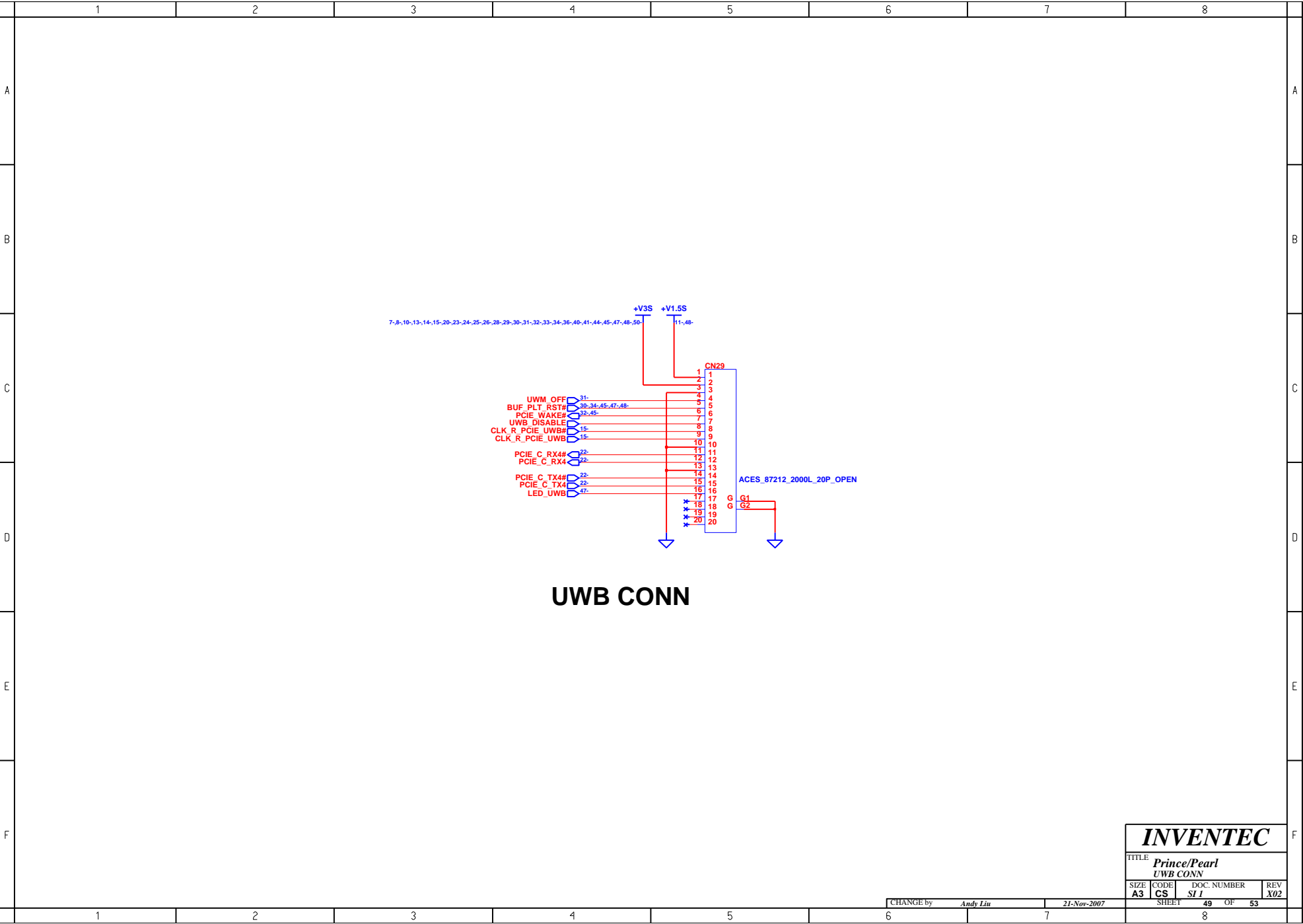
SIZE CODE DOC. NUMBER REV
A3 CS S11 46 OF 53 **X02**

CHANGE by Andy Liu 4-Feb-2008

SHEET 46 OF 53







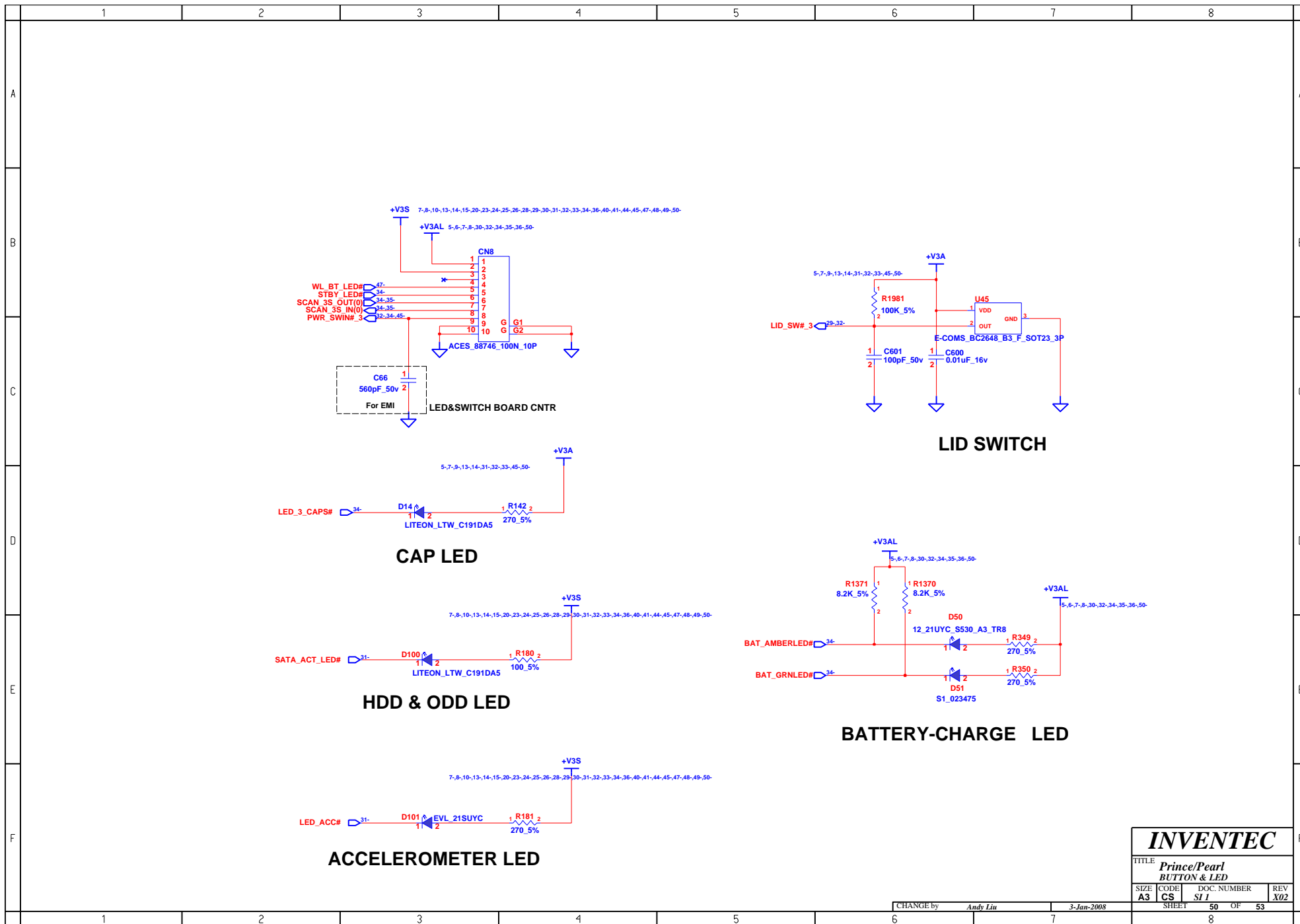
INVENTEC

TITLE
Prince/Pearl
UWB CONN

SIZE A3	CODE CS	DOC. NUMBER S11	REV X02
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CHANGE by *Andy Liu* 21-Nov-2007

SHEET 49 OF 53



	1	2	3	4	5	6	7	8			
A	<div><div><div><div><div>S1</div><div>SCREW2.8_8_1P</div></div><div><div>S1018</div><div>SCREW2.8_8_6_1P</div></div></div><div><div>S1001</div><div>SCREW2.8_8_10_1P</div></div><div><div>S1010</div><div>SCREW2.8_8_9_1P</div></div></div><div><div>S1006</div><div>SCREW2.5_4_1P</div></div><div><div>S1021</div><div>SCREW2.8_8_10_1P</div></div></div> <div><div>S1002</div><div>SCREW2.8_8_9_1P</div></div> <div><div>S1012</div><div>SCREW2.8_8_9_1P</div></div> <div><div>S1005</div><div>SCREW2.8_8_9_1P</div></div> <div><div>S1020</div><div>SCREW2.8_8_10_1P</div></div> <div><div>S1019</div><div>SCREW2.8_8_6_1P</div></div> <div><div>S1014</div><div>SCREW2.8_8_9_1P</div></div> <div><div>S1003</div><div>SCREW2.4_5_1P</div></div> <div><div>S1026</div><div>SCREW1.1_2.4_5_1P</div></div> <div>MAIN BOARD</div>		<div><div><div><div>S1016</div><div>SCREW3.8_6_1P</div></div><div><div>S1015</div><div>SCREW3.8_6_1P</div></div></div><div><div>S8</div><div>SCREW3.8_6_1P</div></div><div><div>S10</div><div>SCREW3.8_6_1P</div></div></div> <div>CPU</div>		<div><div><div>S1008</div><div>SCREW3.7_4_6_1P</div></div><div><div>S1009</div><div>SCREW3.7_4_6_1P</div></div></div> <div>MINI CARD</div>		<div><div><div>S1007</div><div>SCREW2.1_2.2_5_1P</div></div><div><div>S1004</div><div>SCREW2.1_2.2_5_1P</div></div></div> <div>MDC</div>		<div><div><div>FIX1</div><div>FIX_MASK</div></div><div>FIX10</div><div>FIX_MASK</div><div>FIX3</div><div>FIX_MASK</div><div>FIX4</div><div>FIX_MASK</div><div>FIX11</div><div>FIX_MASK</div><div>FIX7</div><div>FIX_MASK</div><div>FIX9</div><div>FIX_MASK</div><div>FIX8</div><div>FIX_MASK</div></div>		
B											
C											
D			<div><div><div>S1011</div><div>SCREW1.1_2.4_5_1P</div></div><div><div>S1017</div><div>SCREW1.1_2.4_5_1P</div></div></div> <div>North Bridge</div>								
E											
F									<div><div><div><div>TITLE</div><div>Prince/Pearl</div></div><div>SCREW</div><div><div><div>SIZE</div><div>A3</div></div><div><div>CODE</div><div>CS</div></div><div><div>DOC. NUMBER</div><div>S11</div></div><div><div>REV</div><div>X02</div></div></div></div><div><div>CHANGE by</div><div>Andy Liu</div><div>2-Jan-2008</div></div><div><div>SHEET</div><div>51</div><div>OF</div><div>53</div></div><div>8</div></div>		
	1	2	3	4	5	6	7	8			

S1019

SCREW2.8_8_6_1P

S1014

SCREW2.8_8_9_1P

S1003

SCREW2.4_5_1P

S1026

SCREW1.1_2.4_5_1P

MAIN BOARD

S1016

SCREW3.8_6_1P

S1015

SCREW3.8_6_1P

S8

SCREW3.8_6_1P

S10

SCREW3.8_6_1P

CPU

S1008

SCREW3.7_4_6_1P

S1009

SCREW3.7_4_6_1P

MINI CARD

S1007

SCREW2.1_2.2_5_1P

S1004

SCREW2.1_2.2_5_1P

MDC

FIX1

FIX_MASK

FIX10

FIX_MASK

FIX3

FIX_MASK

FIX4

FIX_MASK

FIX11

FIX_MASK

FIX7

FIX_MASK

FIX9

FIX_MASK

FIX8

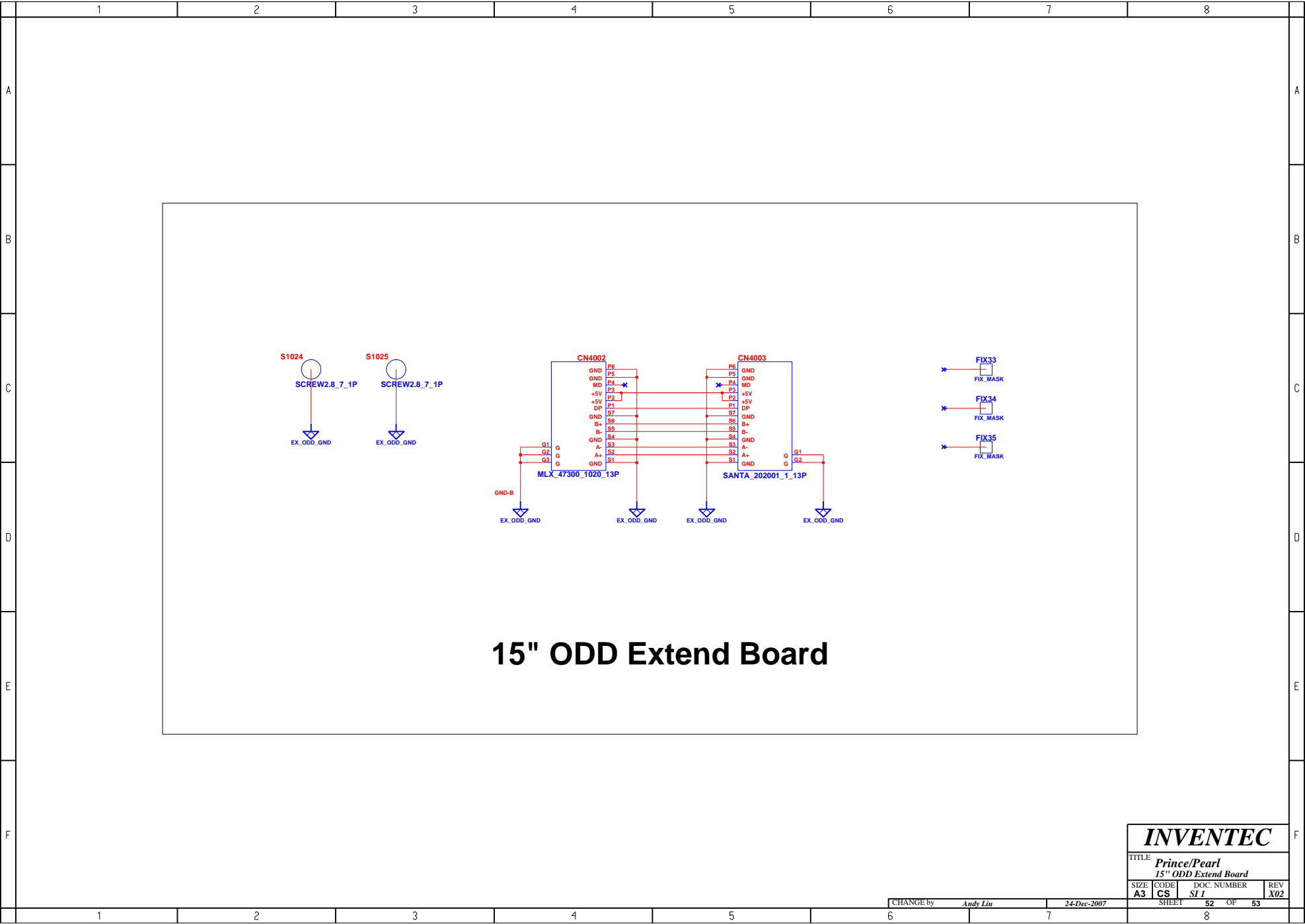
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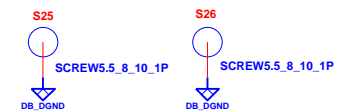
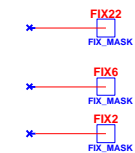
INVENTEC

TITLE Prince/Pearl SCREW			
SIZE A3	CODE CS	DOC. NUMBER S11	REV X02

CHANGE by Andy Liu 2-Jan-2008

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CHANGE by	<i>Andy Liu</i>	<i>27-Nov-2007</i>
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