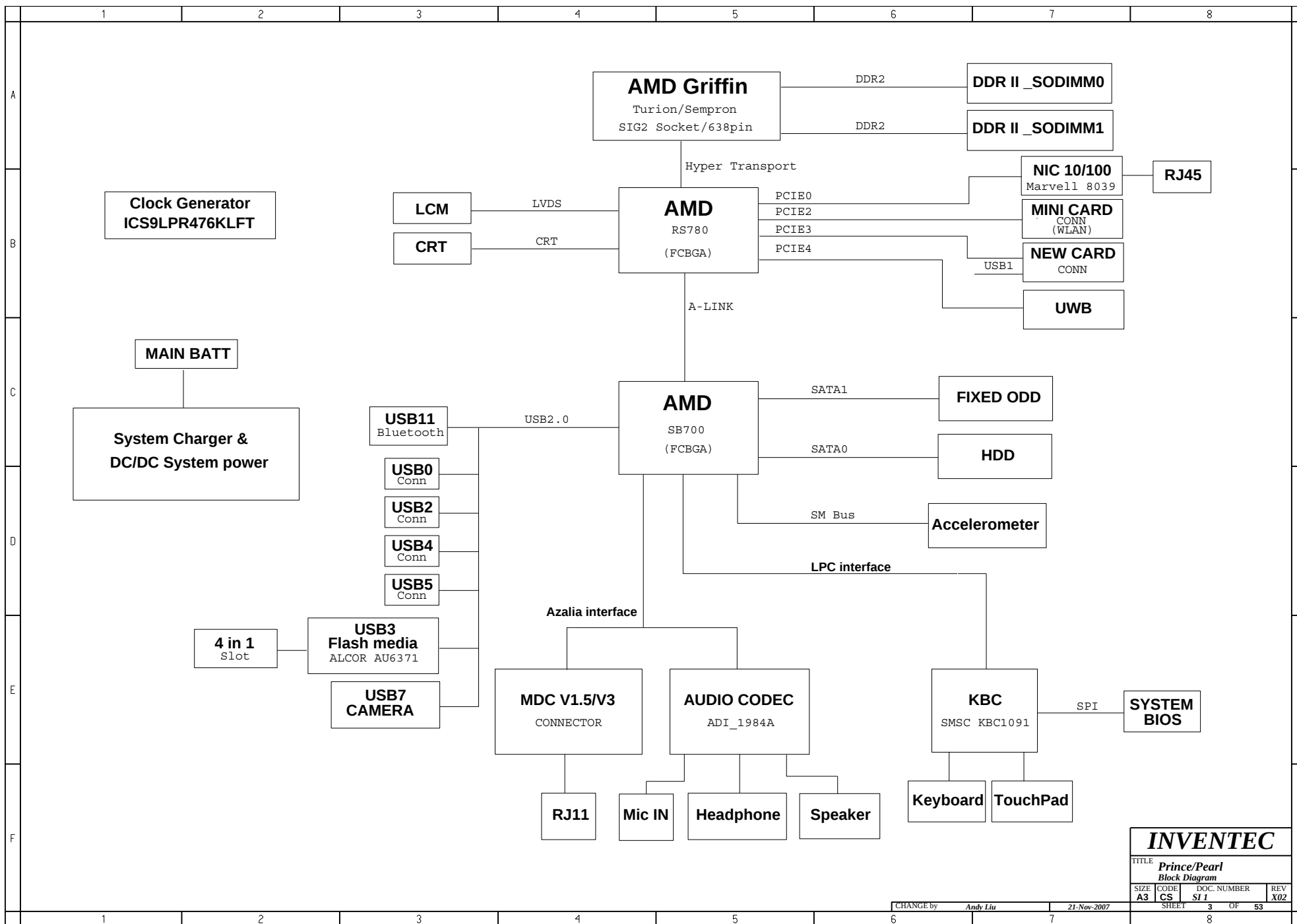


2008/02/14

DRAWER		EE	DATE	POWER	DATE	INVENTEC Prince/Pearl		
DESIGN								
CHECK								
RESPONSIBLE								
SIZE = 3		VER :		SIZE A3		CODE CS	DOC. NUMBER SHEET 1	REV X02
FILE NAME : XXXX-XXXX-XXXX-XX								
P/N 1 XXXXXXXXXXXXX								

TABLE OF CONTENTS

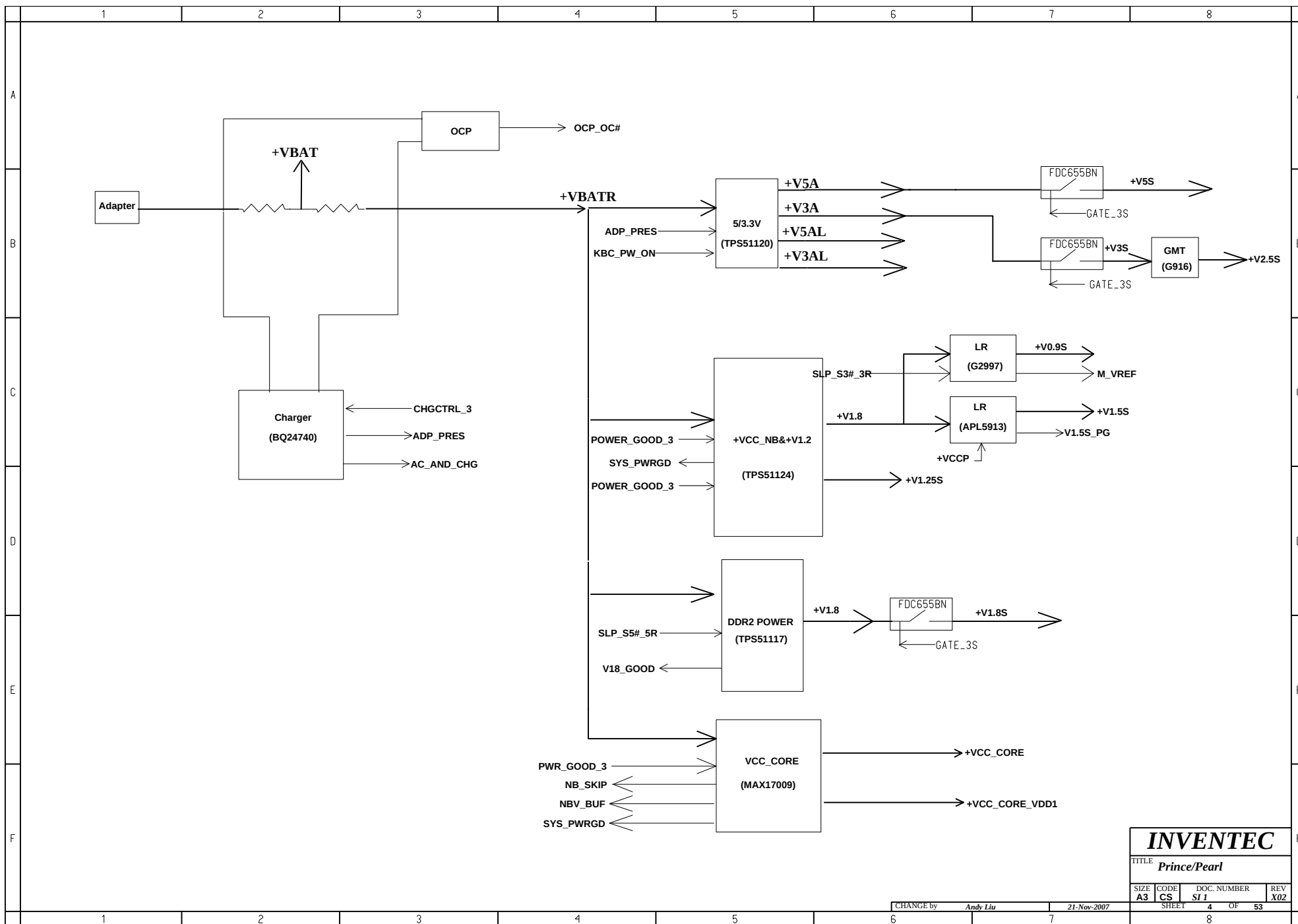
PAGE	PAGE	PAGE
5- DC& BATTERY CHARGER	15- CLOCK_GENERATOR	35- KB & TP CONN
6- SELECT & BATTERY CONN	16- CPU-1	36- SPI & ACCELEROMETER
7- +V5A,+V3A & +V2.5S	17- CPU-2	37- HDD & ODD CONN
8- OCP	18- CPU-3	38- USB CONN
9- +VCC_NB & +V1.2A	19- CPU-4	39- USB WEBCAM CONN
10- +VCC_CORE	20- THERMAL&FAN CONTROLLER	40- FLASH MEDIA CARD
11- POWER	21- RS780-1	41- AZALIA CODEC
12- DDR2 POWER	22- RS780-2	42- Earphone & MIC JACK
13- POWER(SLEEP)	23- RS780-3	43- AUDIO AMP & HP JACK
14- POWER(SEQUENCE)	24- RS780-4	44- MDC CNTR
	25- DDR2-DIMM0	45- NIC 10/100- CONTROLLER
	26- DDR2-DIMM1	46- NIC 10/100- RJ45 CONN
	27- DDR2-DAMPING	47- MINICARD & BT CONN
	28- CRT	48- NEW CARD
	29- LCD CONN	49- UWB CONN
	30- SB700-1	50- BUTTON & LED
	31- SB700-2	51- SCREW
	32- SB700-3	52- 15" ODD Extend Board
	33- SB700-4	53- SWITCH Board
	34- KBC	



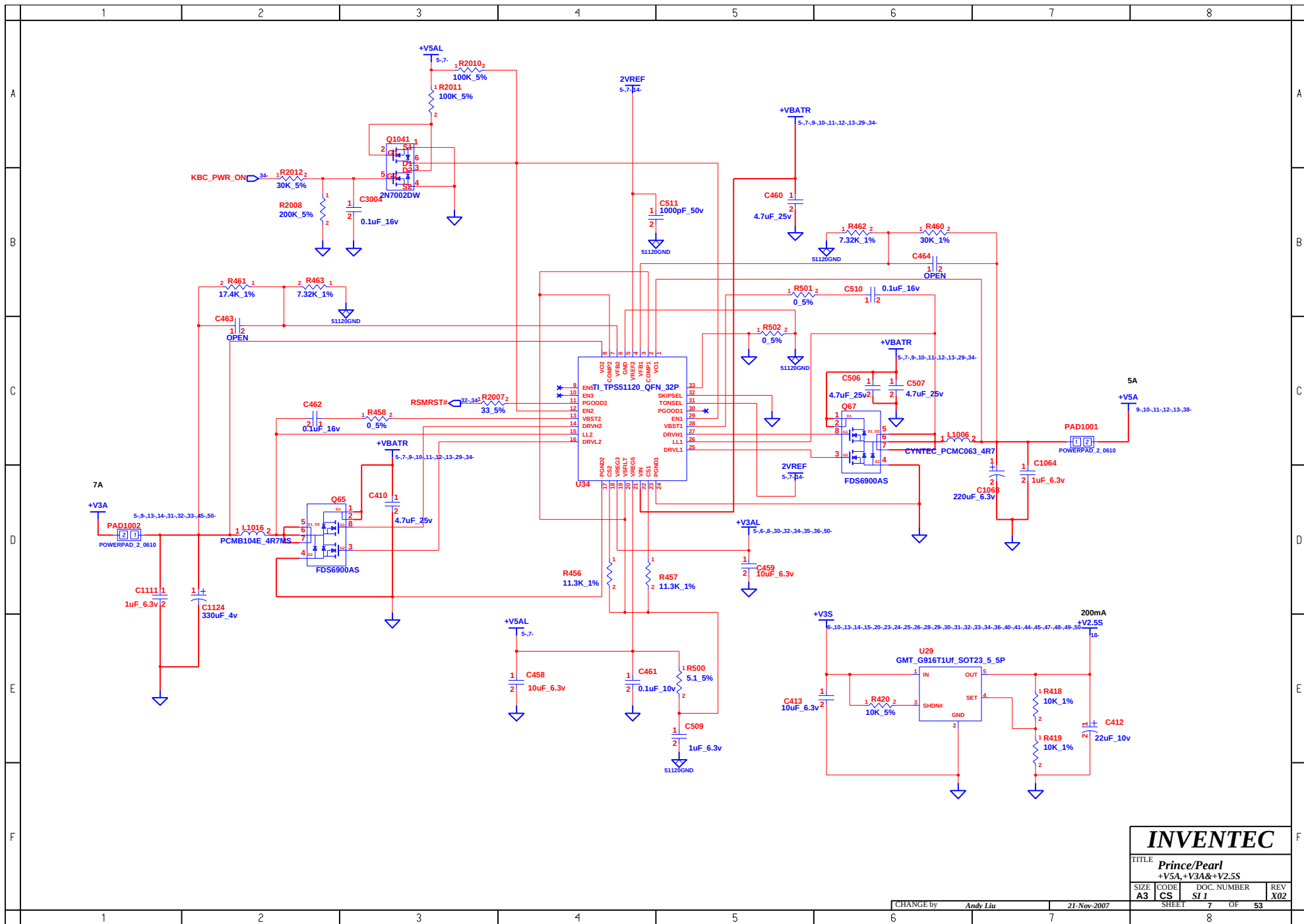
INVENTEC

TITLE Prince/Pearl Block Diagram			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV 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	



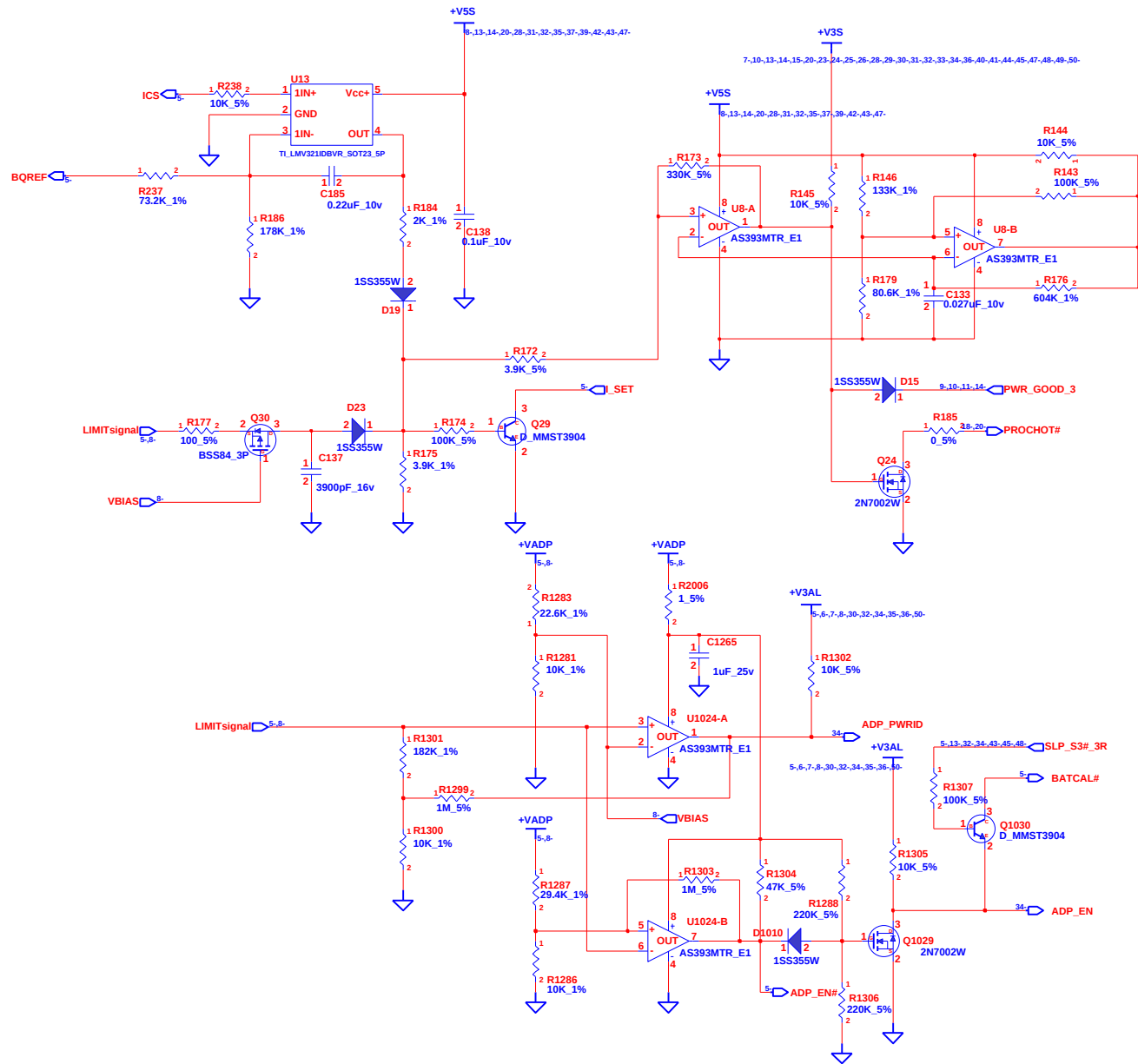
INVENTEC

TITLE
Prince/Pearl
+V5A,+V3A&+V2.5S

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

SHEET 7 OF 53



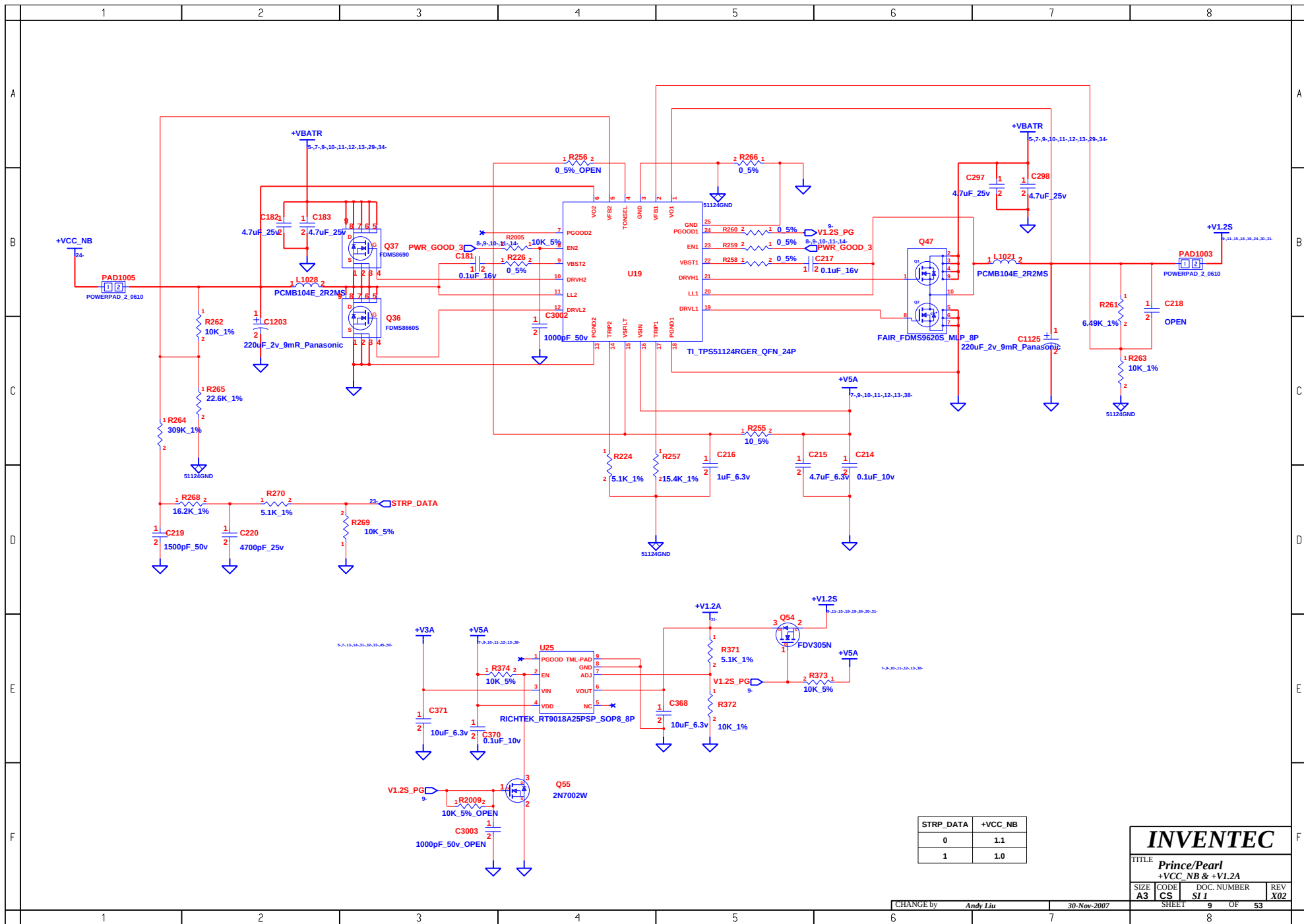
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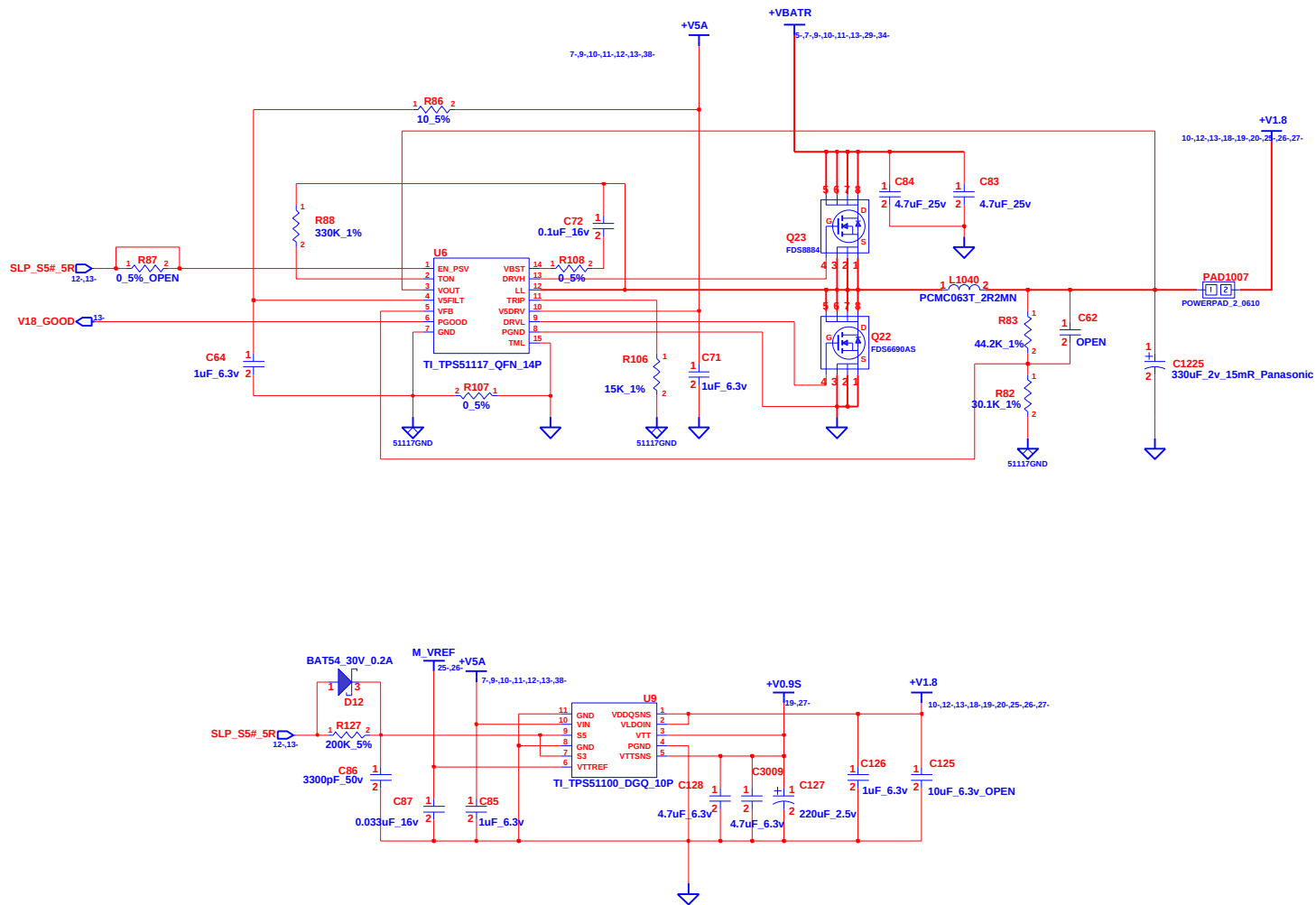
TITLE
**Prince/Pearl
OCP**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 22-Jan-2008

SHEET 8 OF 53





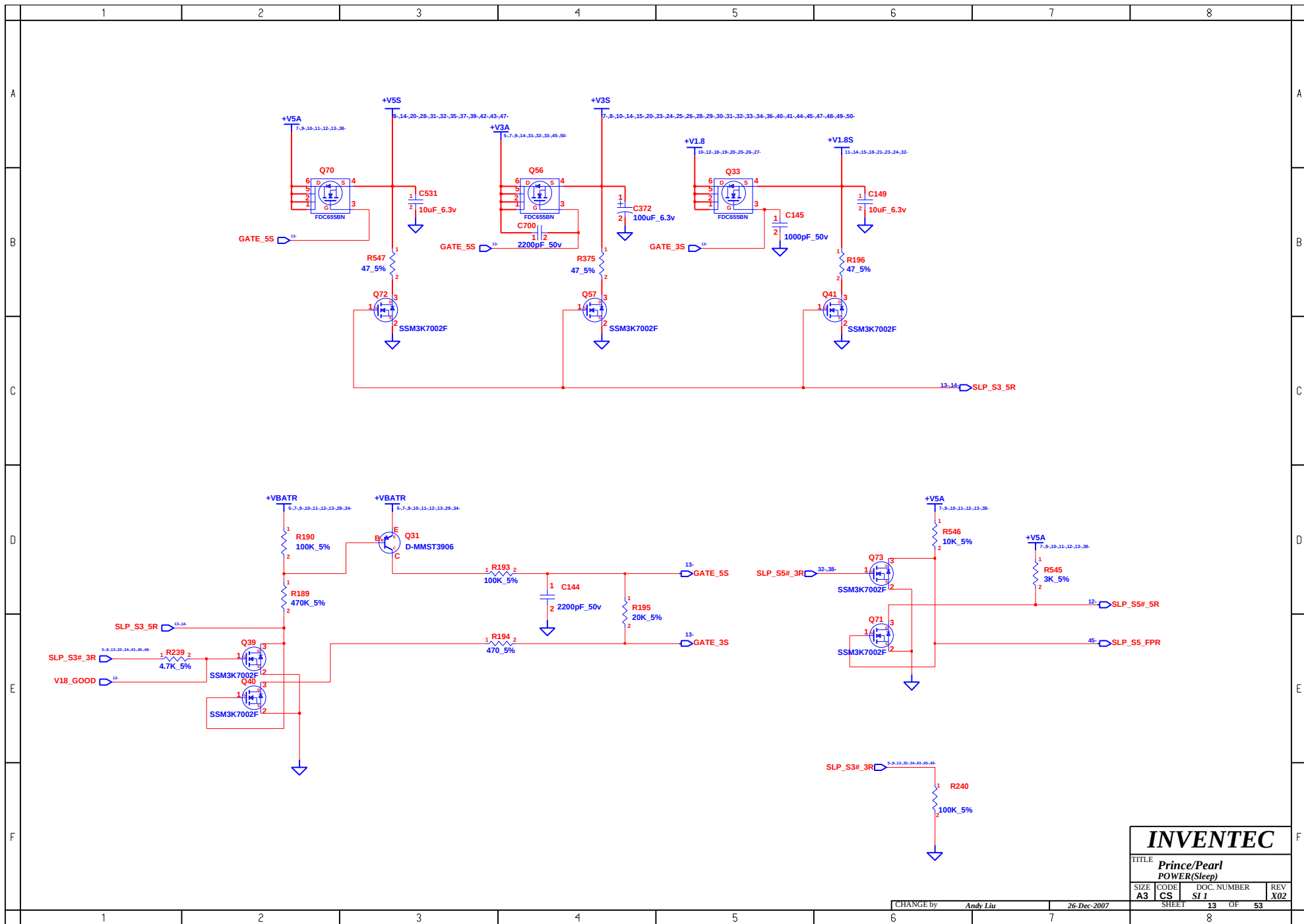
NOTE: DDR2 REGULATOR

INVENTEC

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

CHANGE by *Andy Liu* 21-Nov-2007

SHEET 12 OF 53



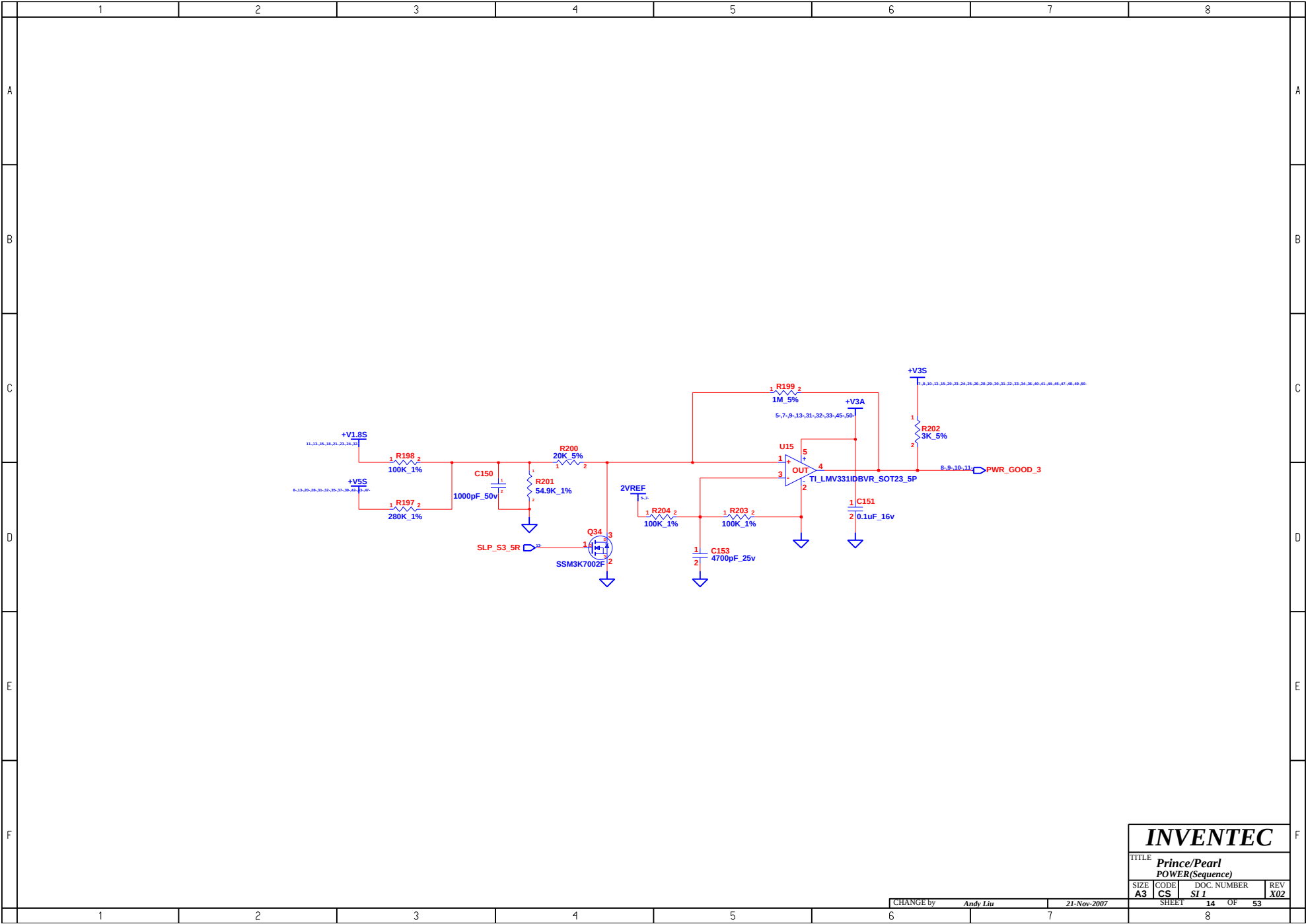
INVENTEC

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

CHANGE by Andy Liu 26-Dec-2007

SHEET 13 OF 53

8



INVENTEC

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

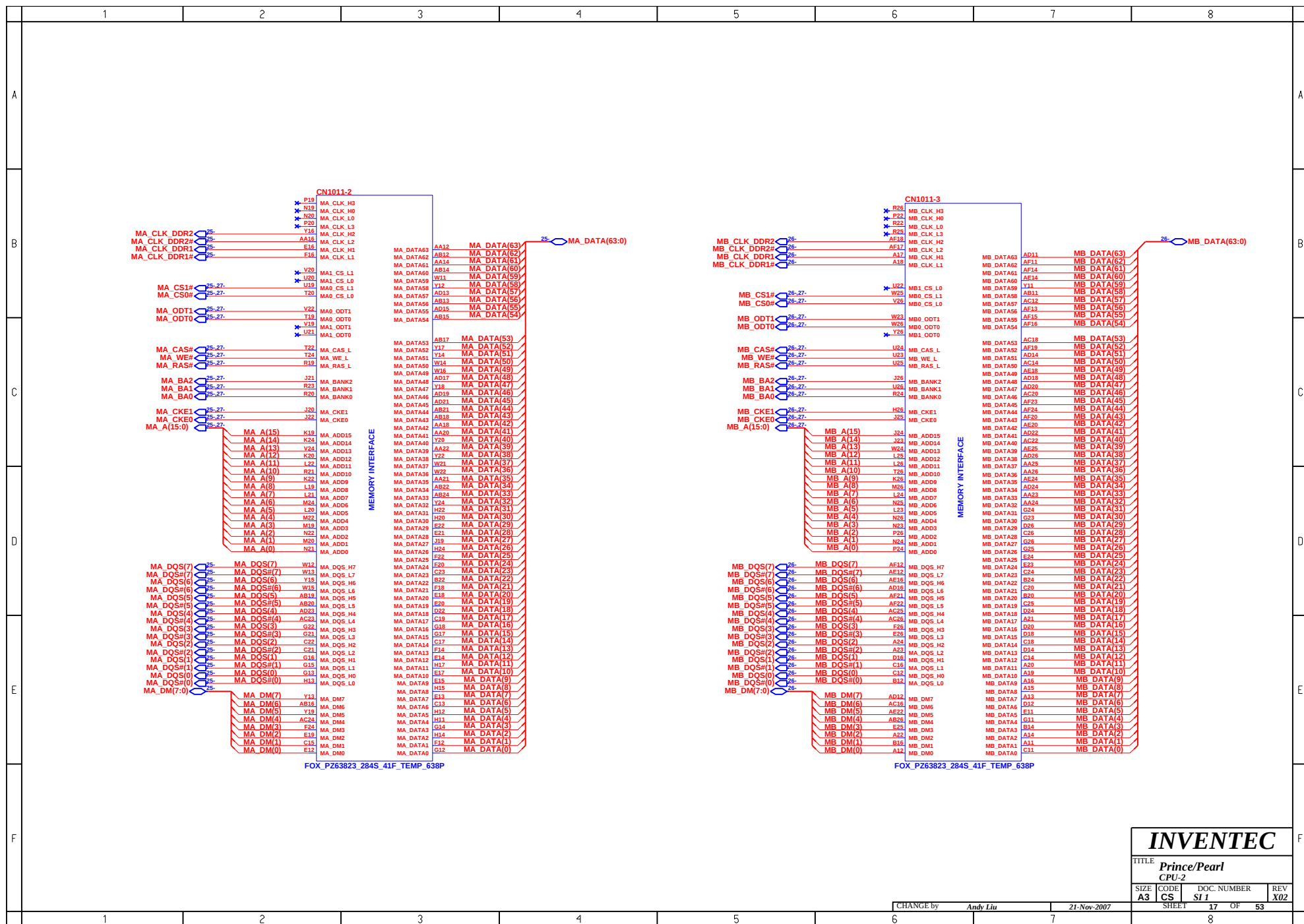
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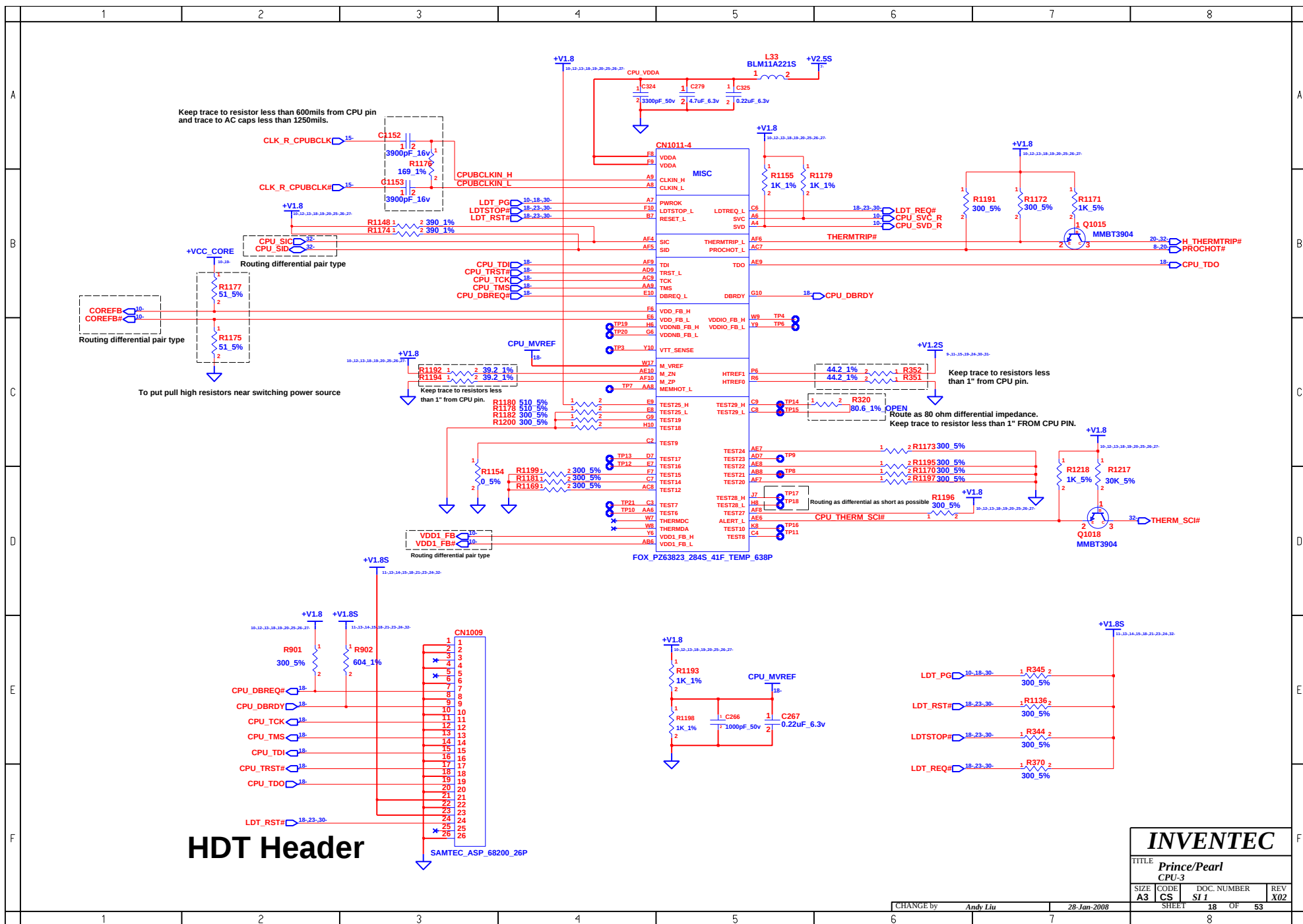
CHANGE by **Andy Liu** 21-Nov-2007

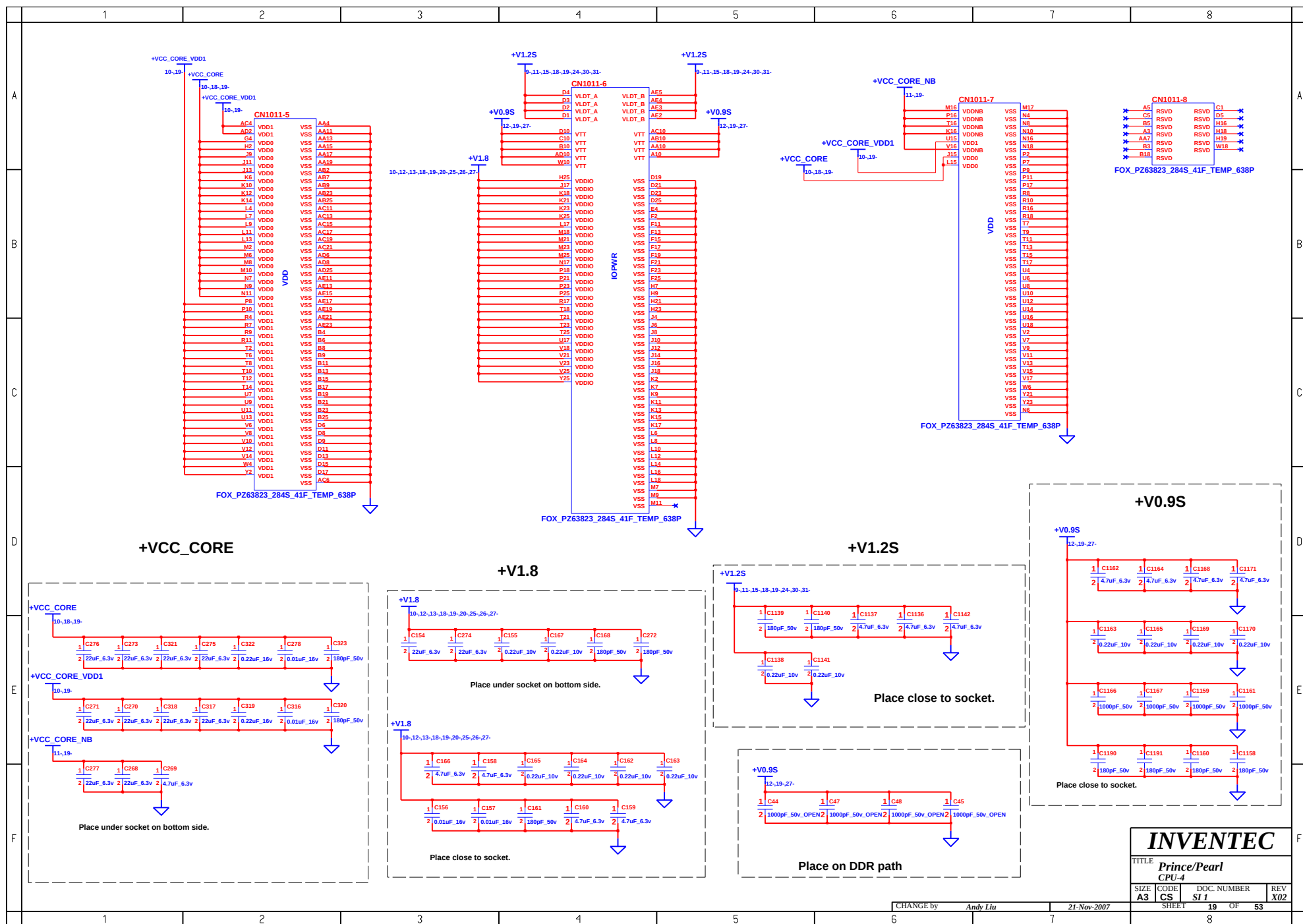
SHEET **14** OF **53**

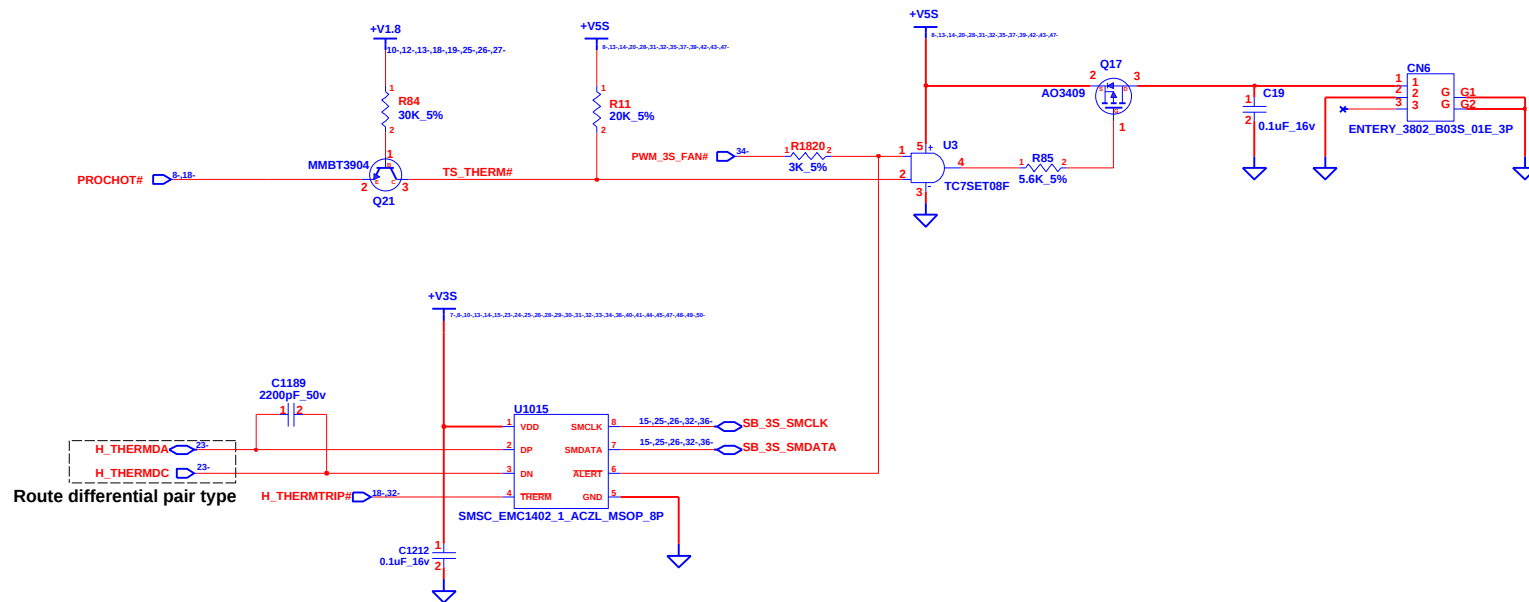


TITLE			
<i>Prince/Pearl</i>			
<i>CPU-1</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>SI 1</i>	X02









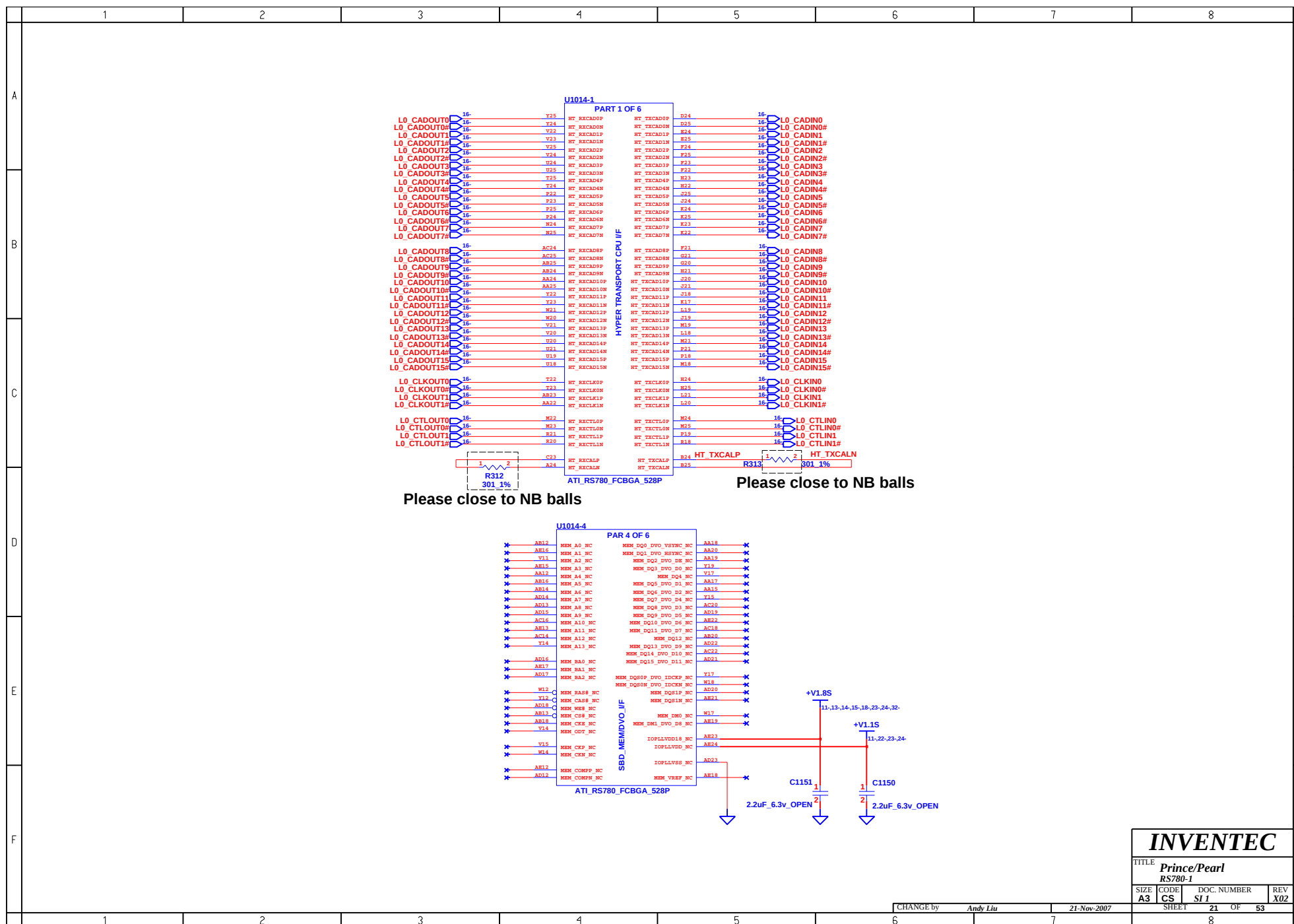
LAYOUT Note: Put the thermal sensor close to CPU.

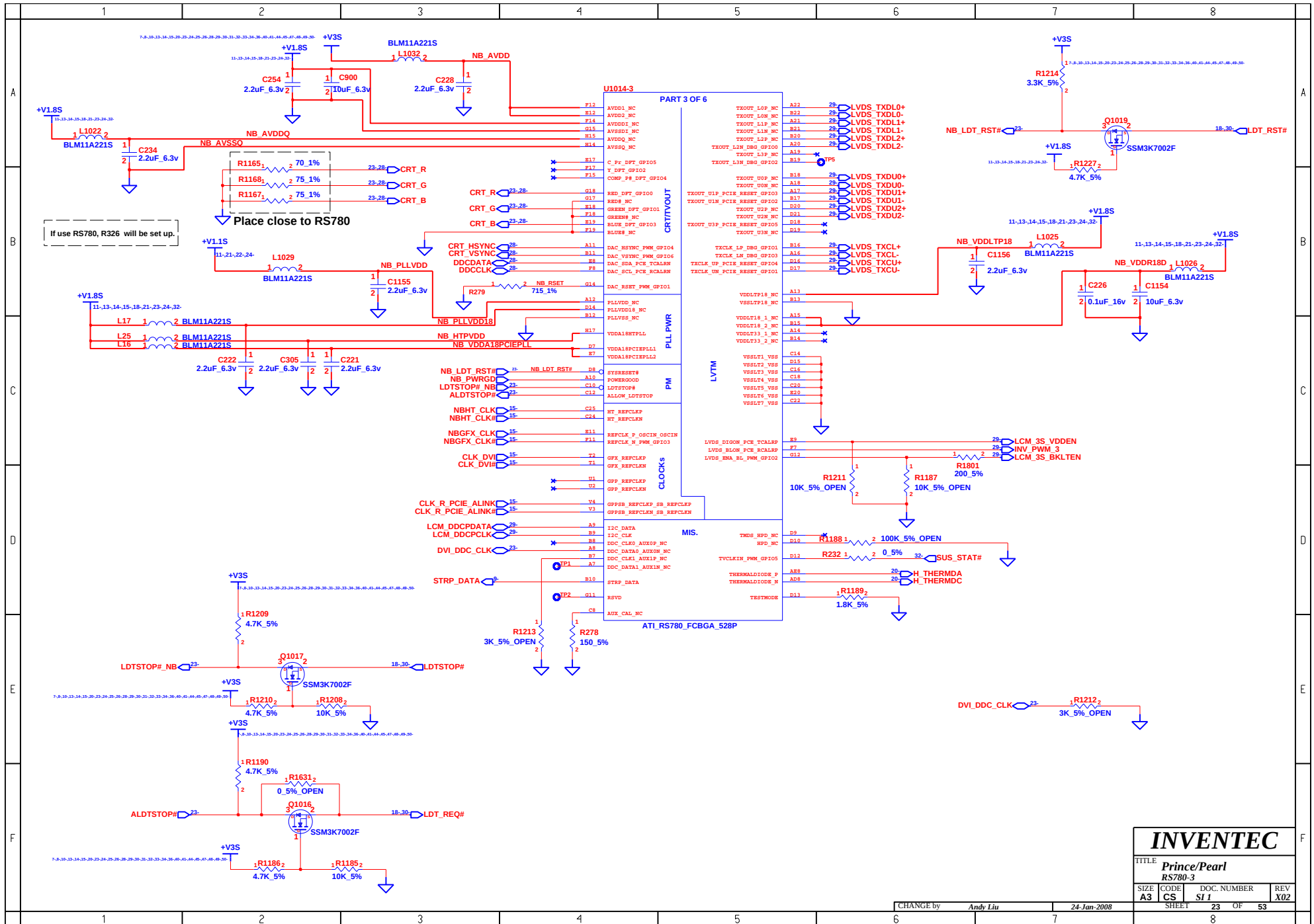
INVENTEC

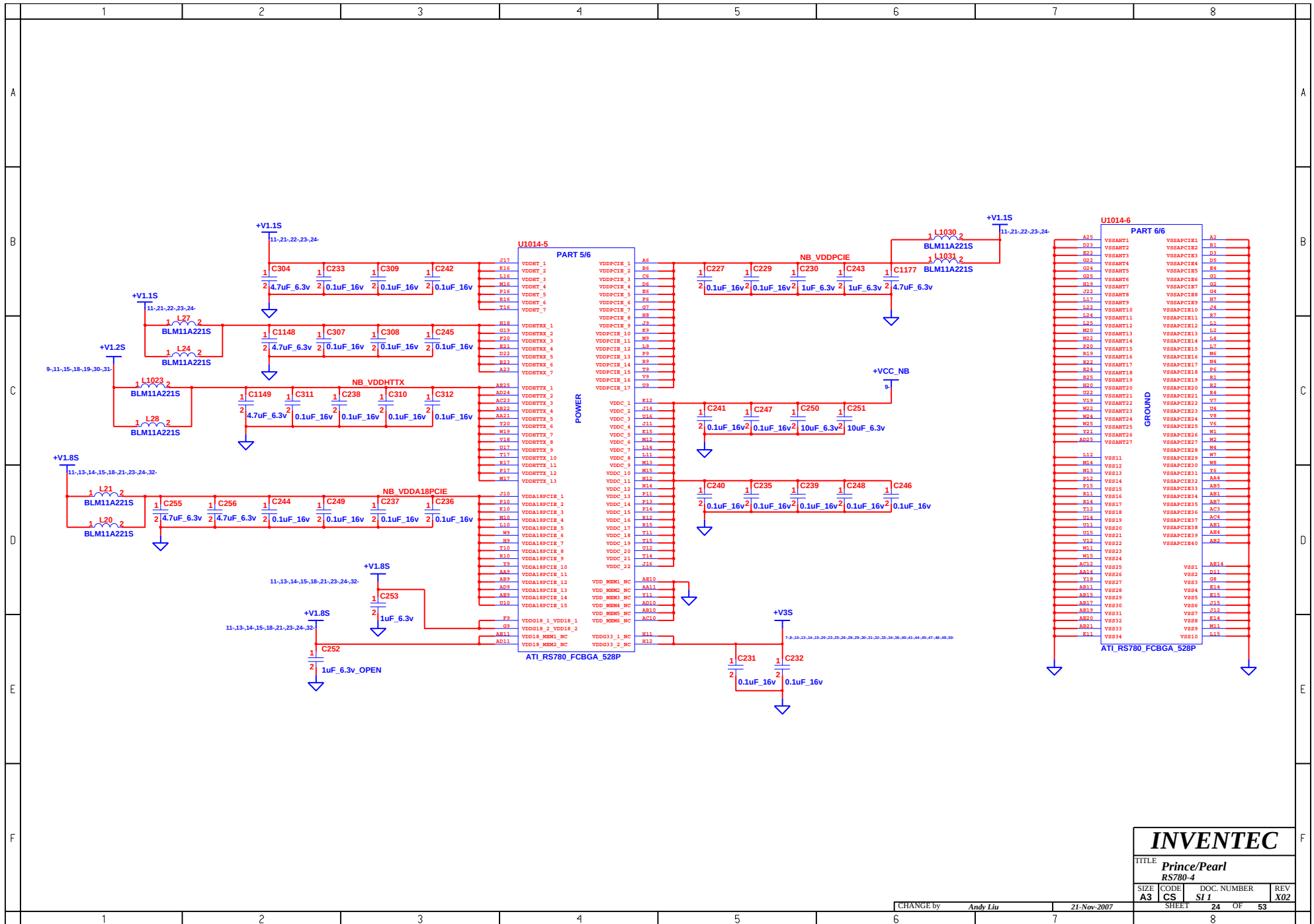
TITLE			
Prince/Pearl			
THERMAL & FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 26-Nov-2007

SHEET 20 OF 53







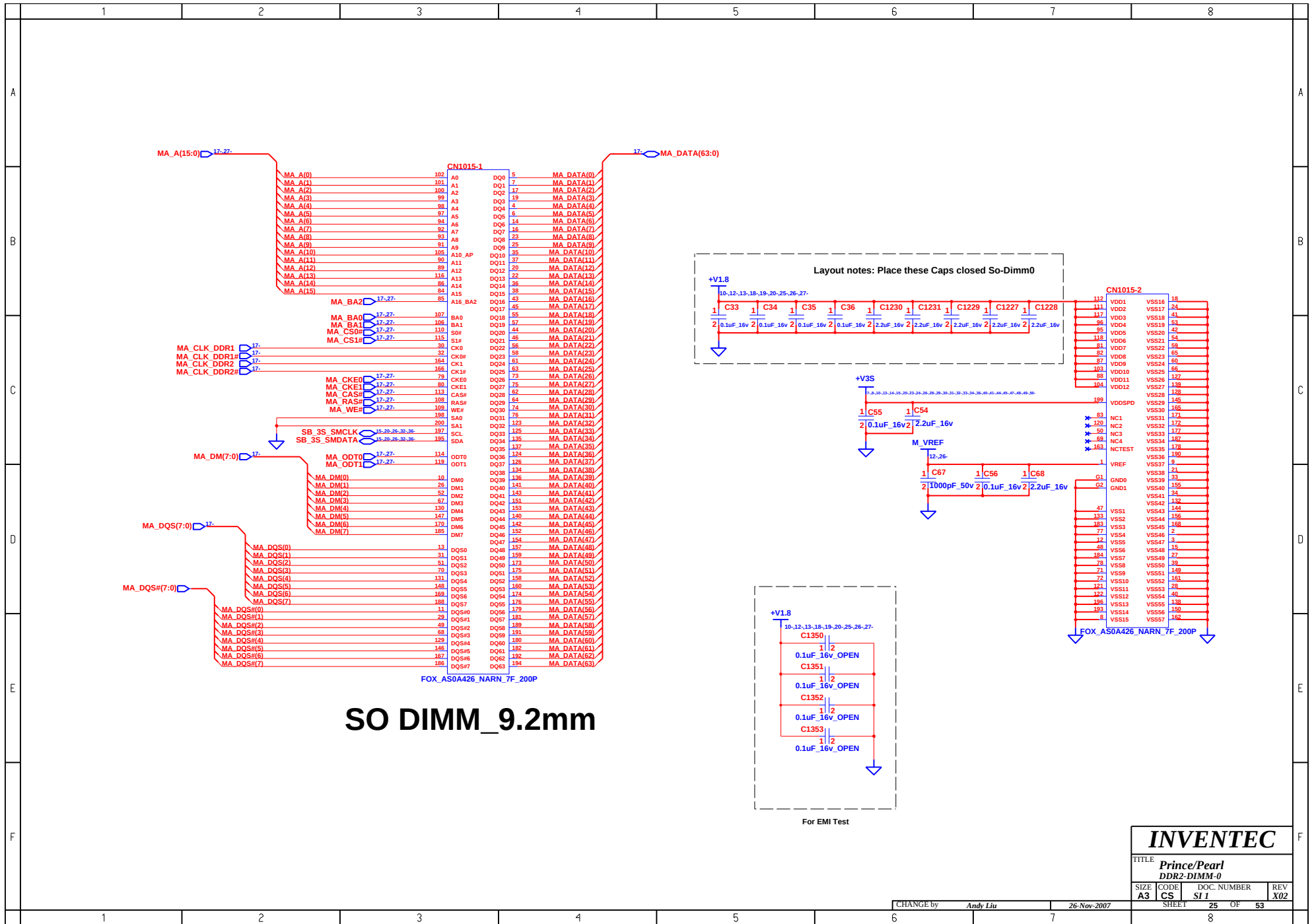
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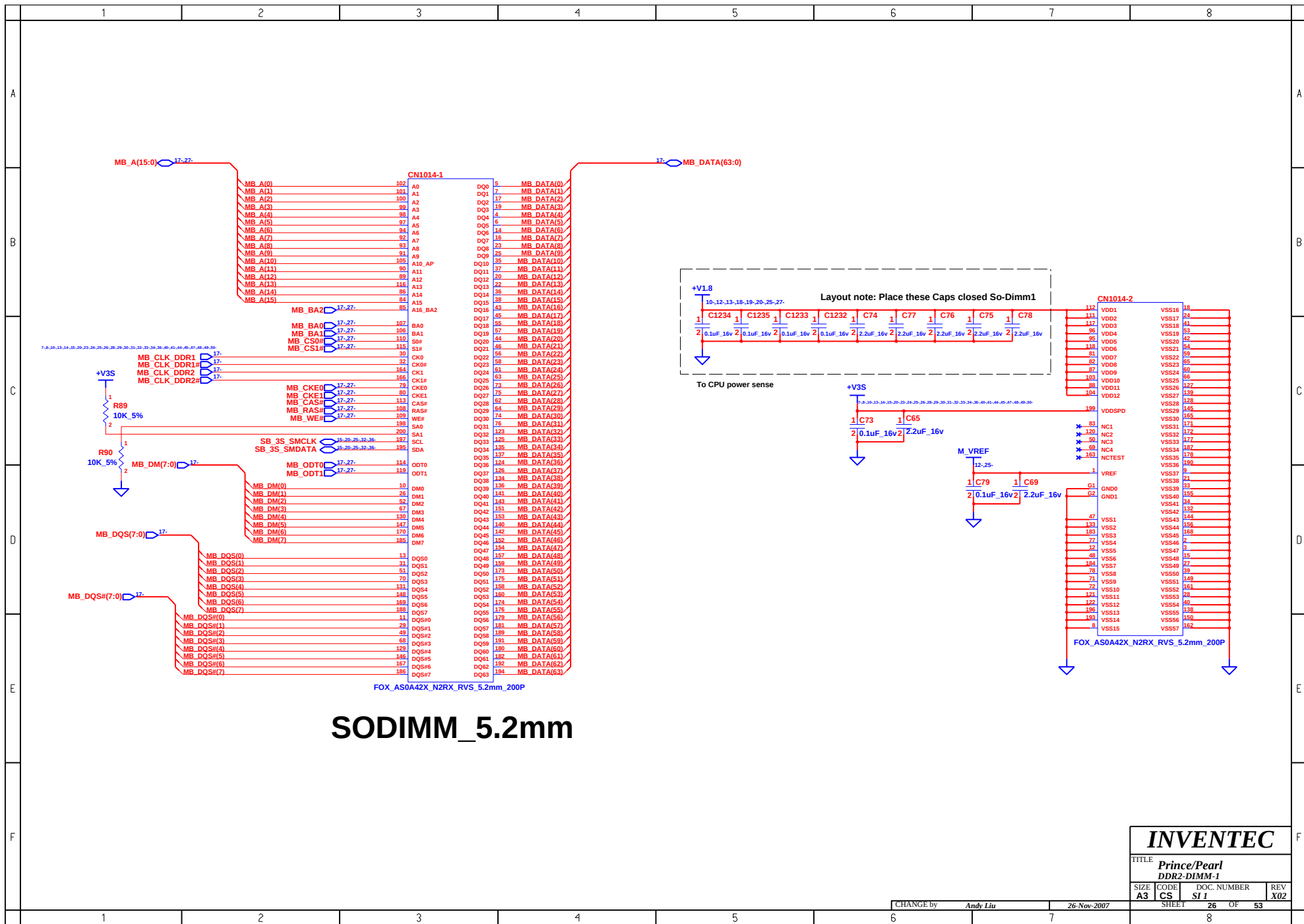
TITLE
Prince/Pearl
RS780-4

SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 21-Nov-2007

SHEET 24 OF 53



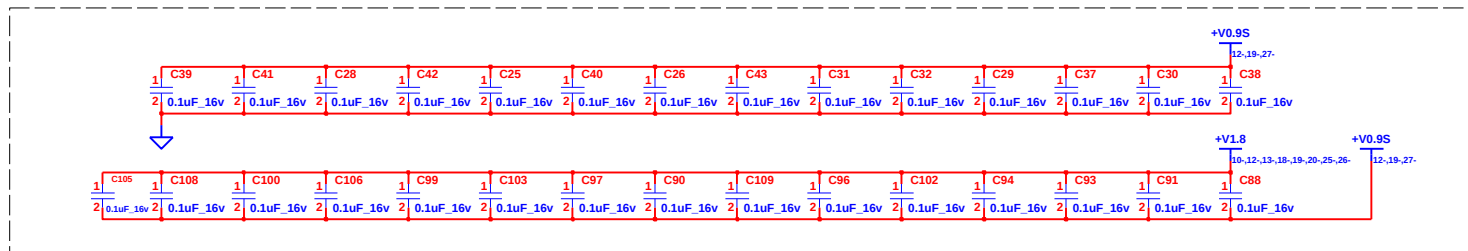


INVENTEC

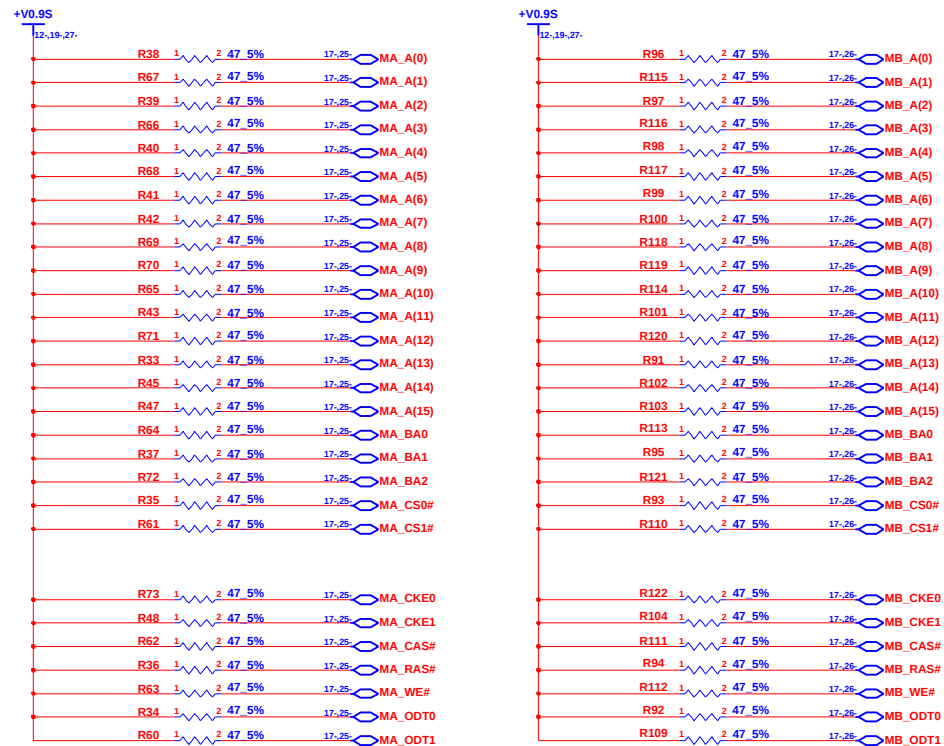
TITLE			
Prince/Pearl			
DDR2-DIMM-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 26-Nov-2007

SHEET 26 OF 53



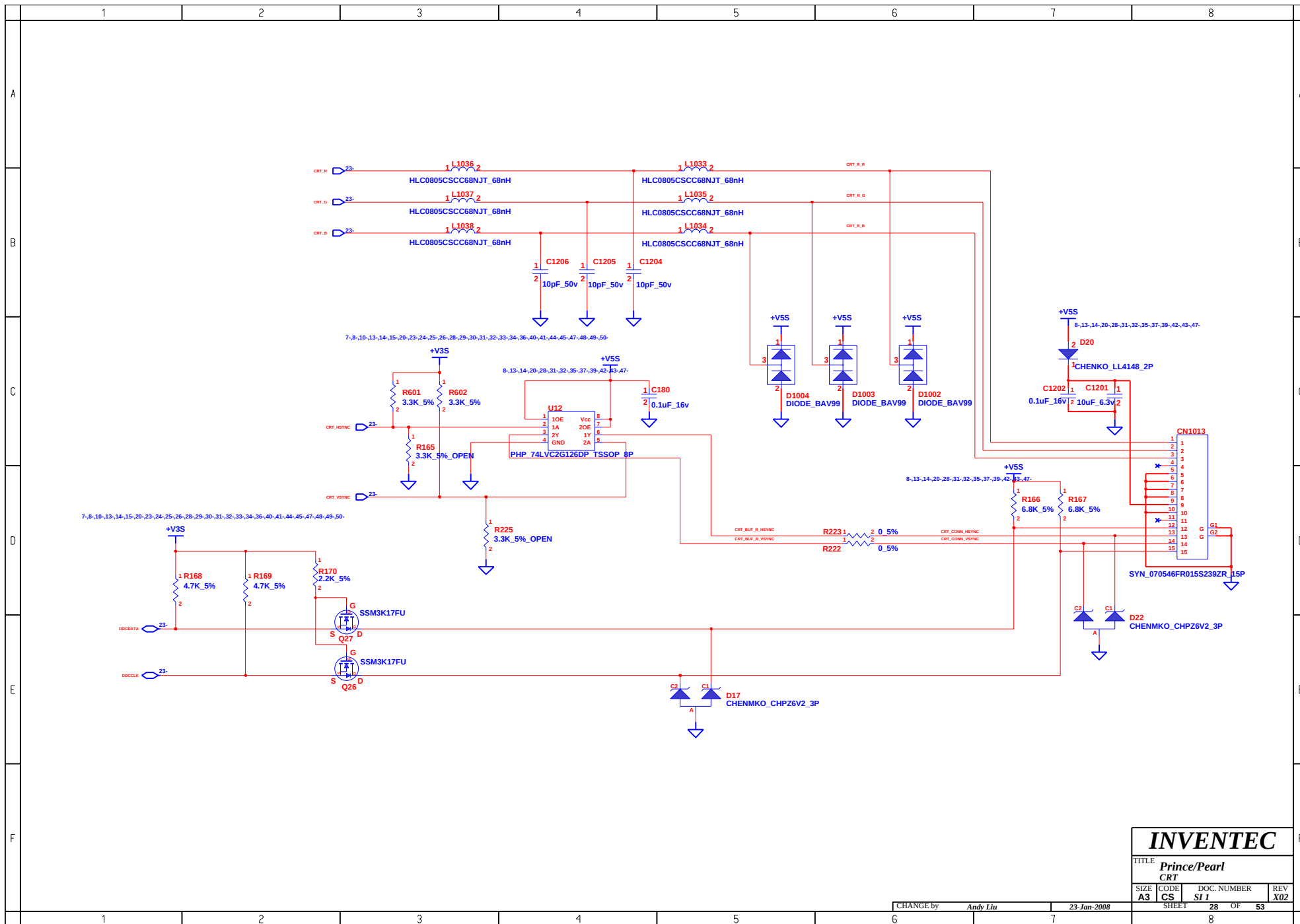
Place CAPs close to DIMM

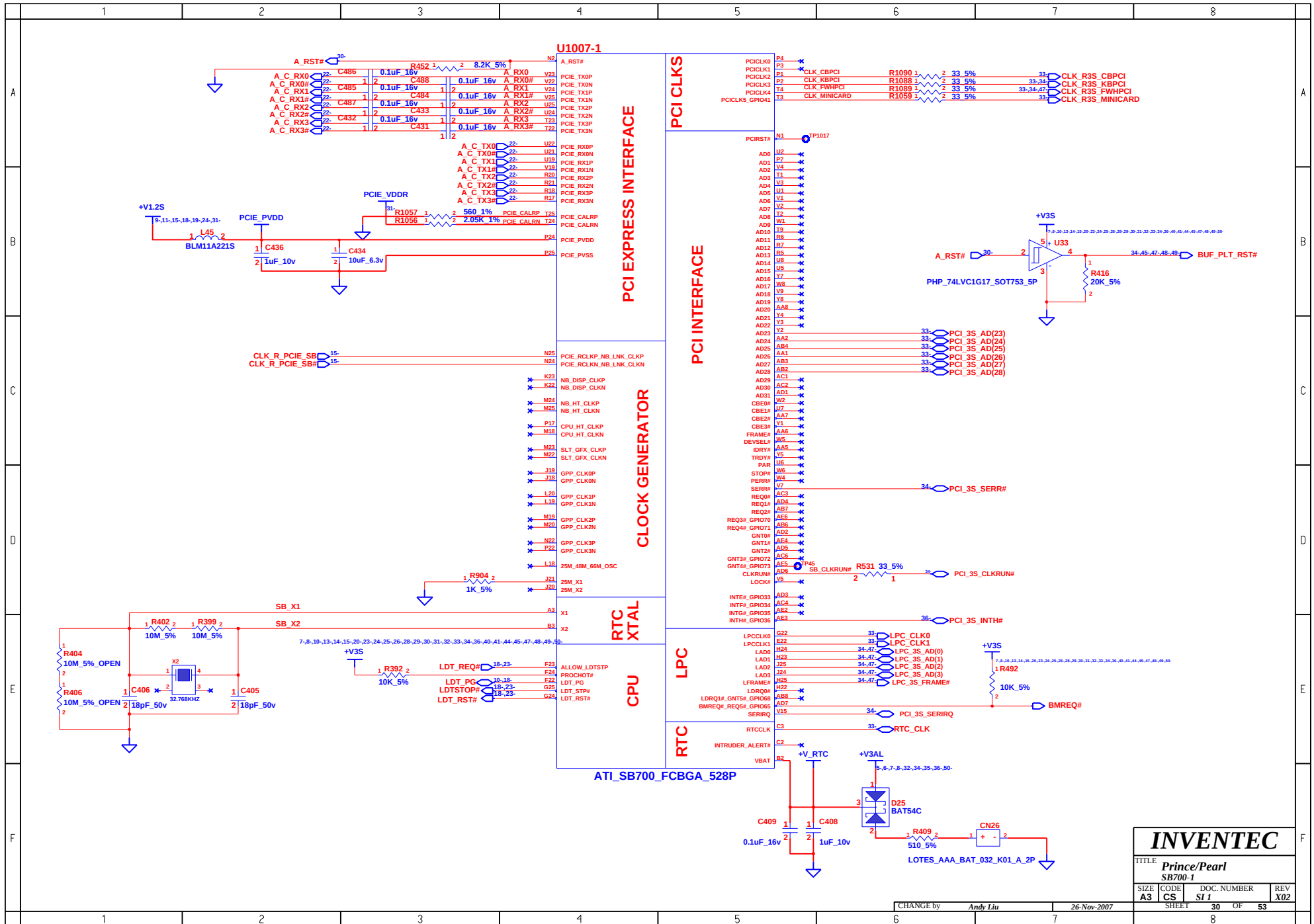


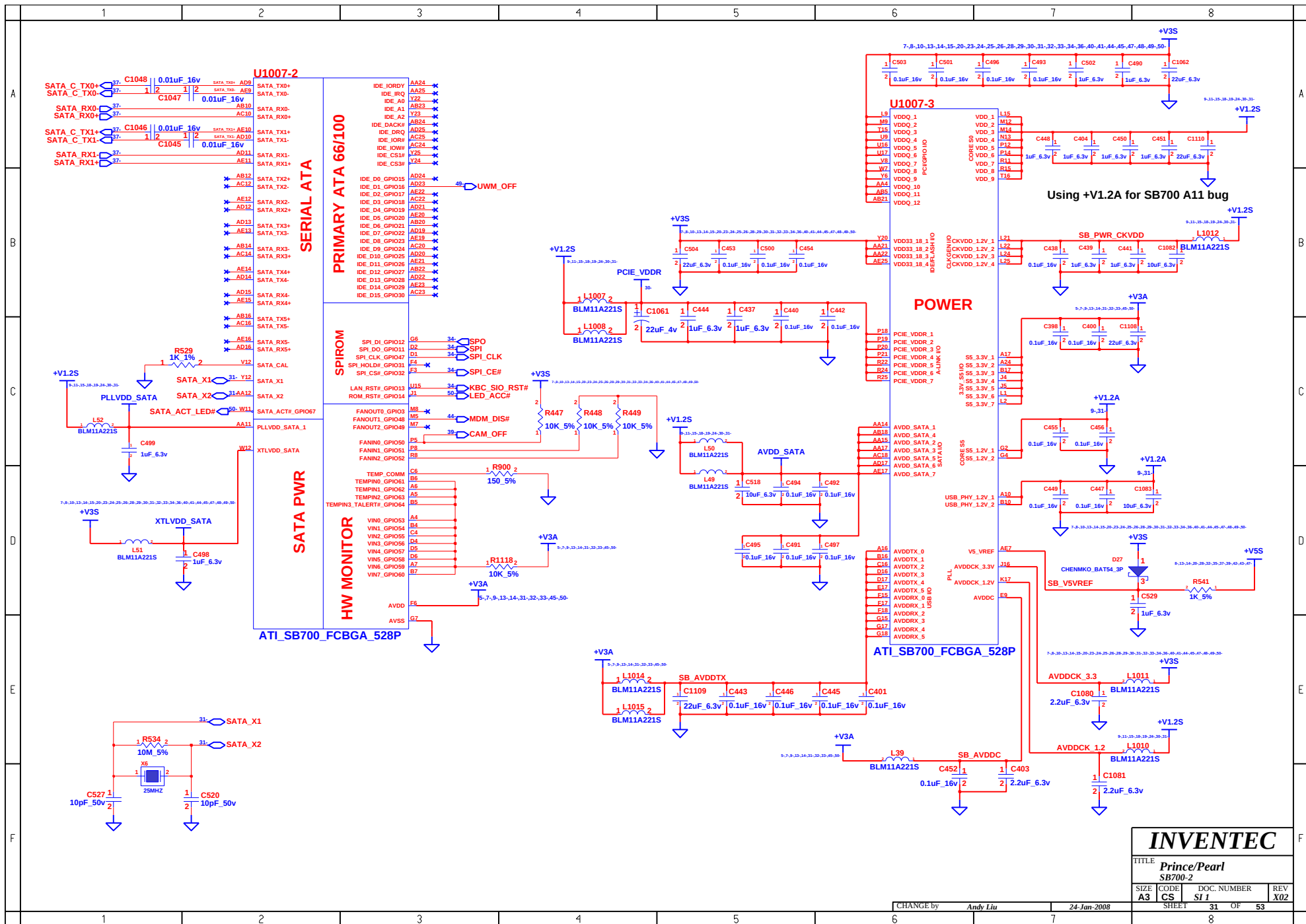
INVENTEC

TITLE			
<i>Prince/Pearl</i> <i>DDR2-DAMPING</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>SI 1</i>	<i>X02</i>
SHEET 27 OF 53			

CHANGE by	Andy Liu	21-Nov-2007
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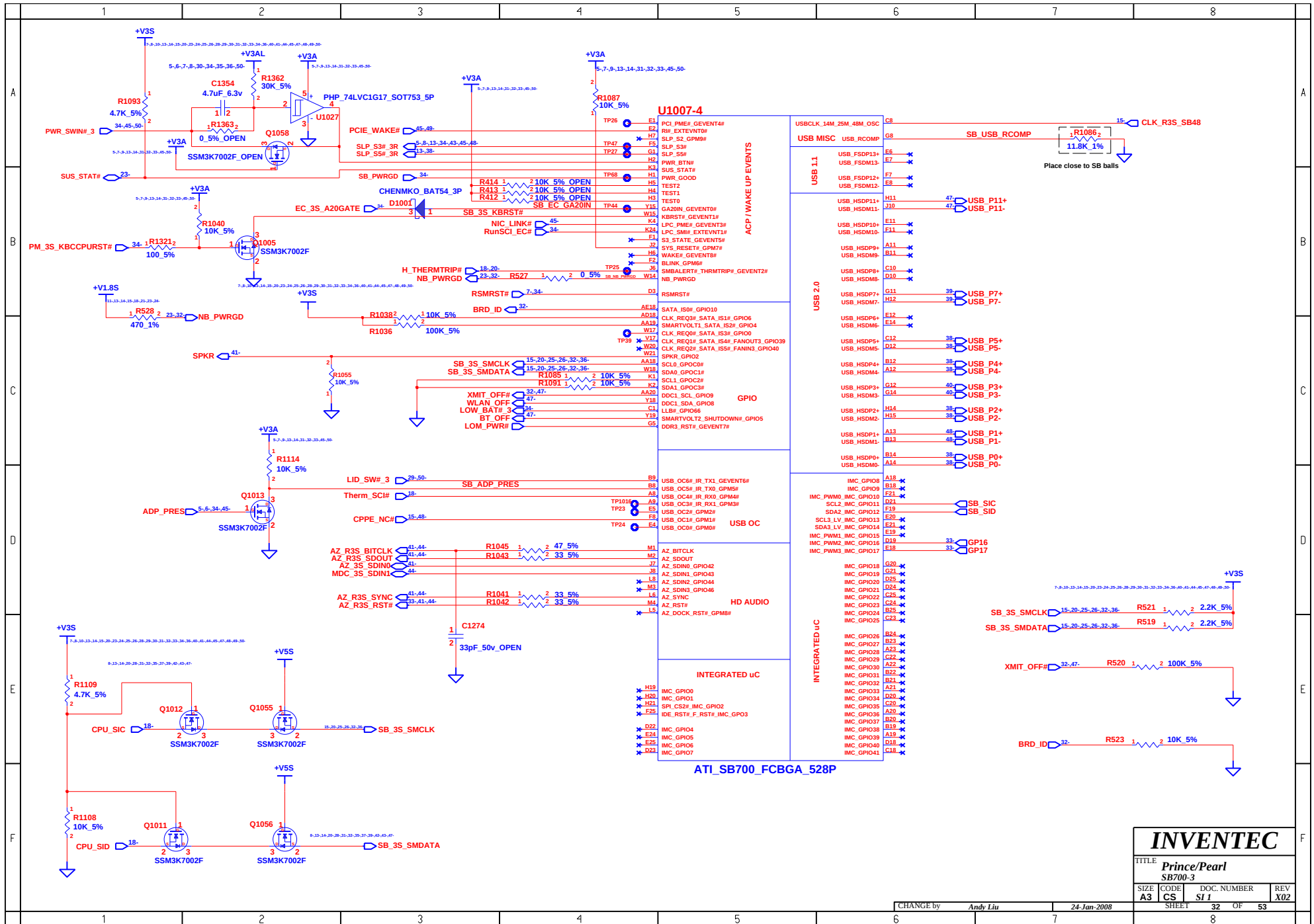


INVENTEC

TITLE
Prince/Pearl
SB700-2

SIZE CODE DOC. NUMBER REV
A3 CS SI 1 X02

CHANGE by Andy Liu 24-Jan-2008 SHEET 31 OF 53

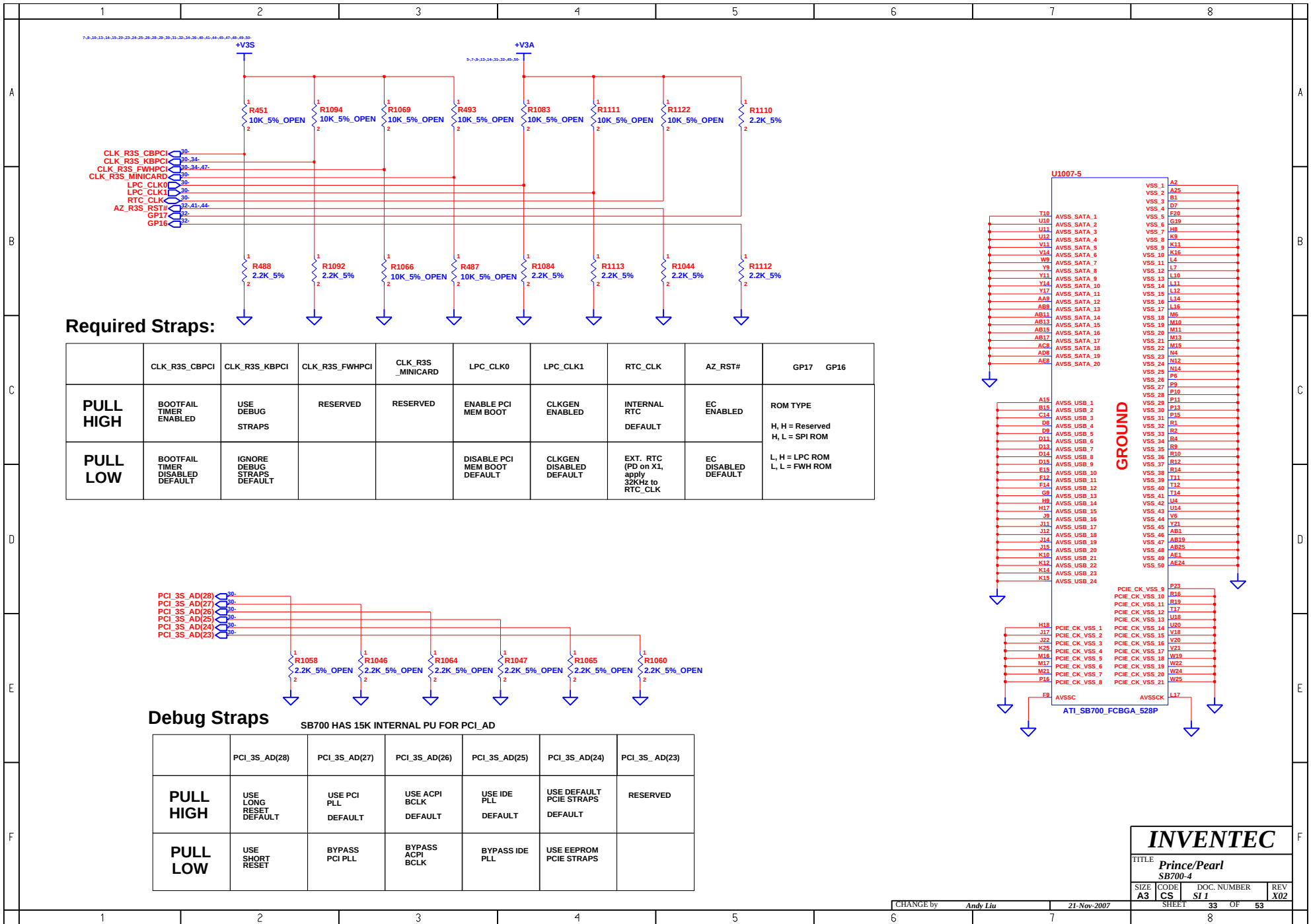


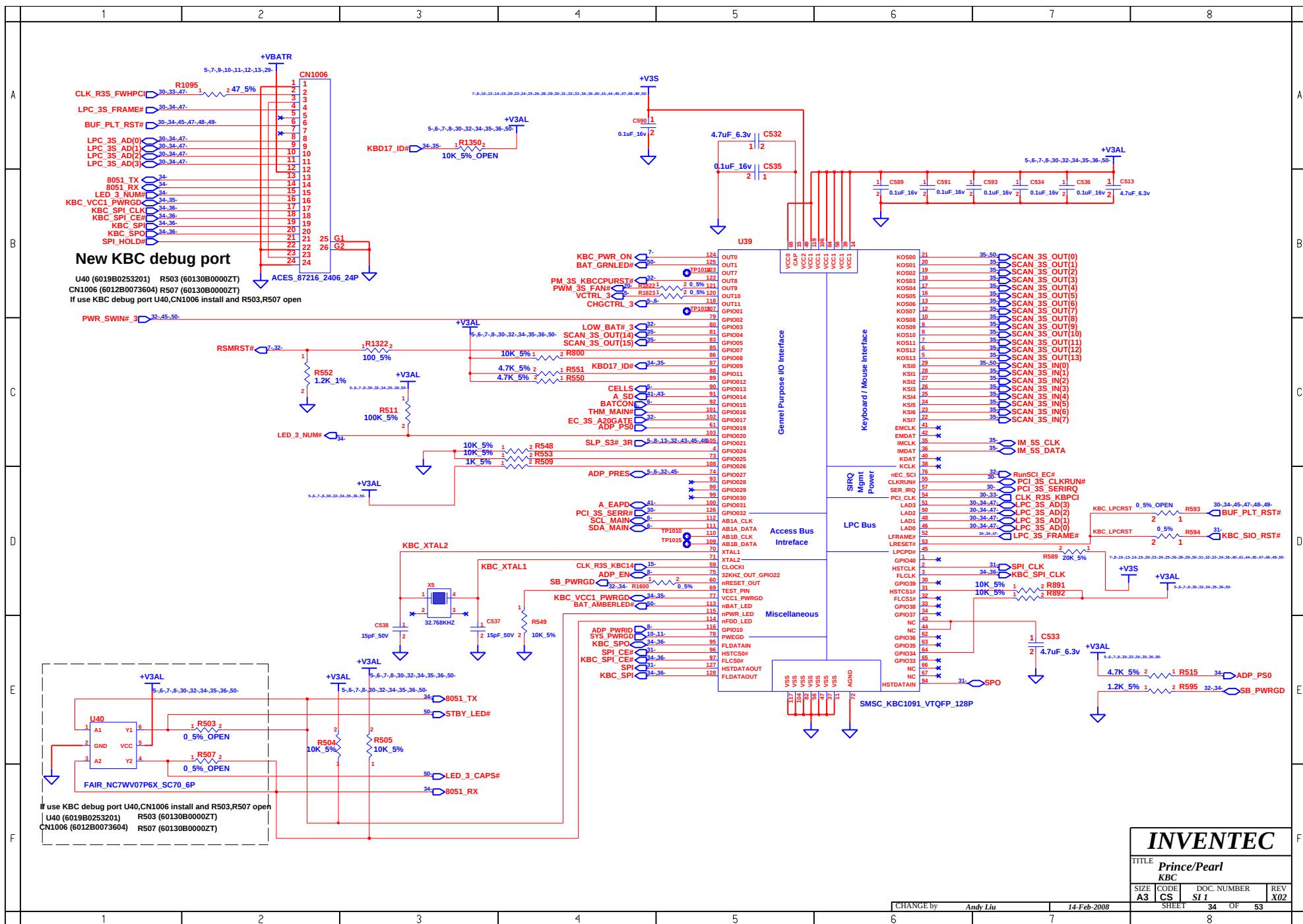
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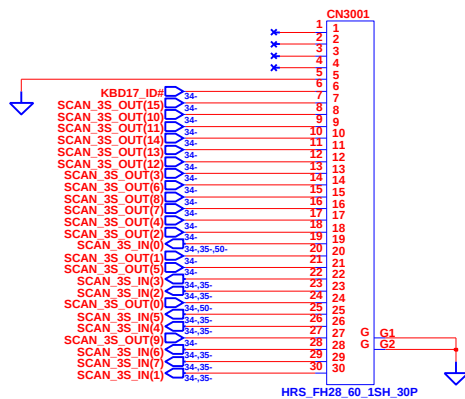
TITLE Prince/Pearl SB700-3			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02

CHANGE by **Andy Liu** 24-Jan-2008

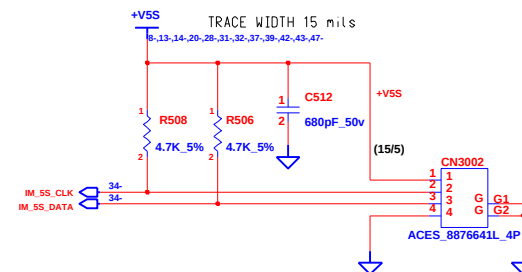
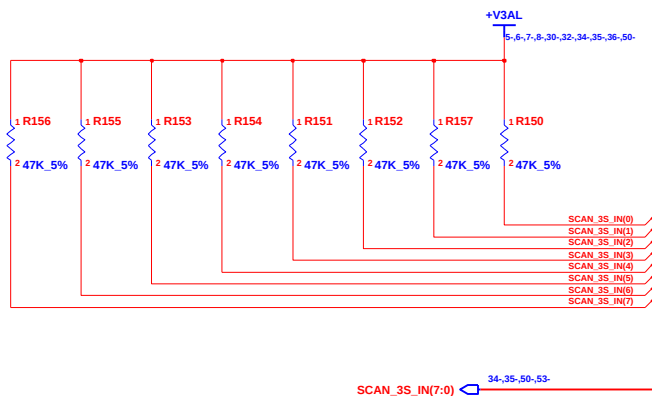
SHEET 32 OF 53



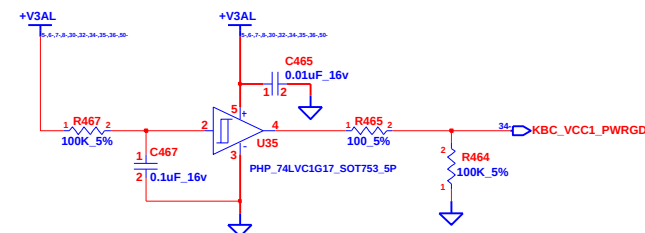




KEYBOARD CONN

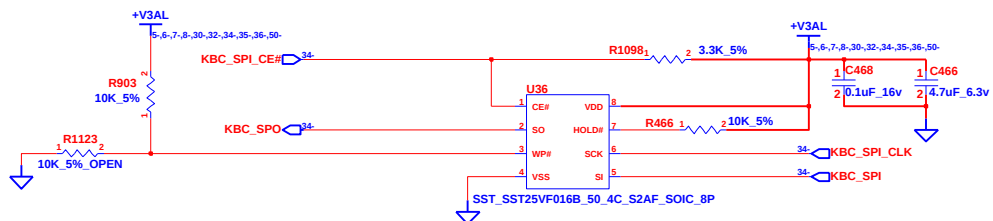


TOUCH PAD CNTR

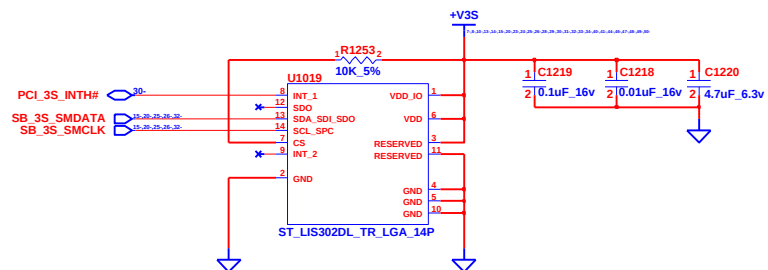


U35 should be placed close to U39.

INVENTEC			
TITLE Prince/Pearl KB&TP CONN			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
CHANGE by Andy Liu		23-Jan-2008	
SHEET 35		OF 53	

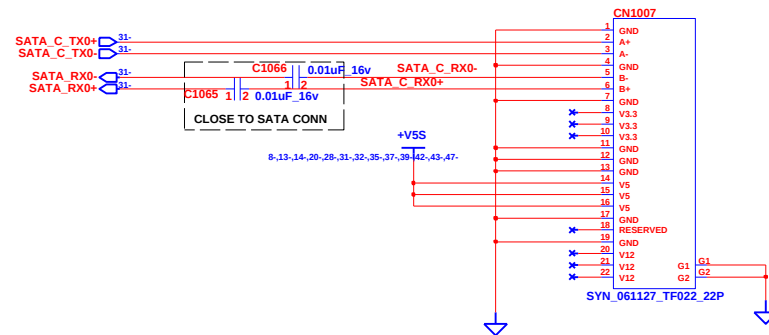


SPI Flash

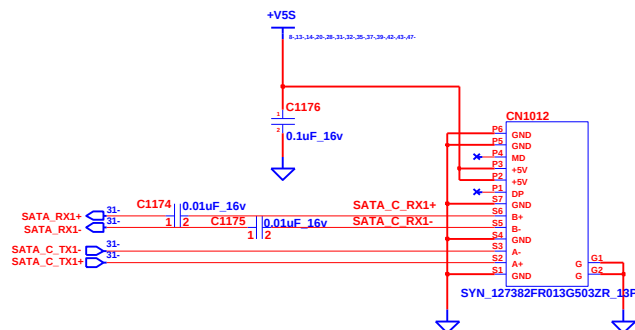


Accelerometer

INVENTEC			
TITLE Prince/Pearl			
SPI & ACCELEROMETER			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
CHANGE by Andy Liu		28-Jan-2008	
SHEET 36		OF 53	
1		8	

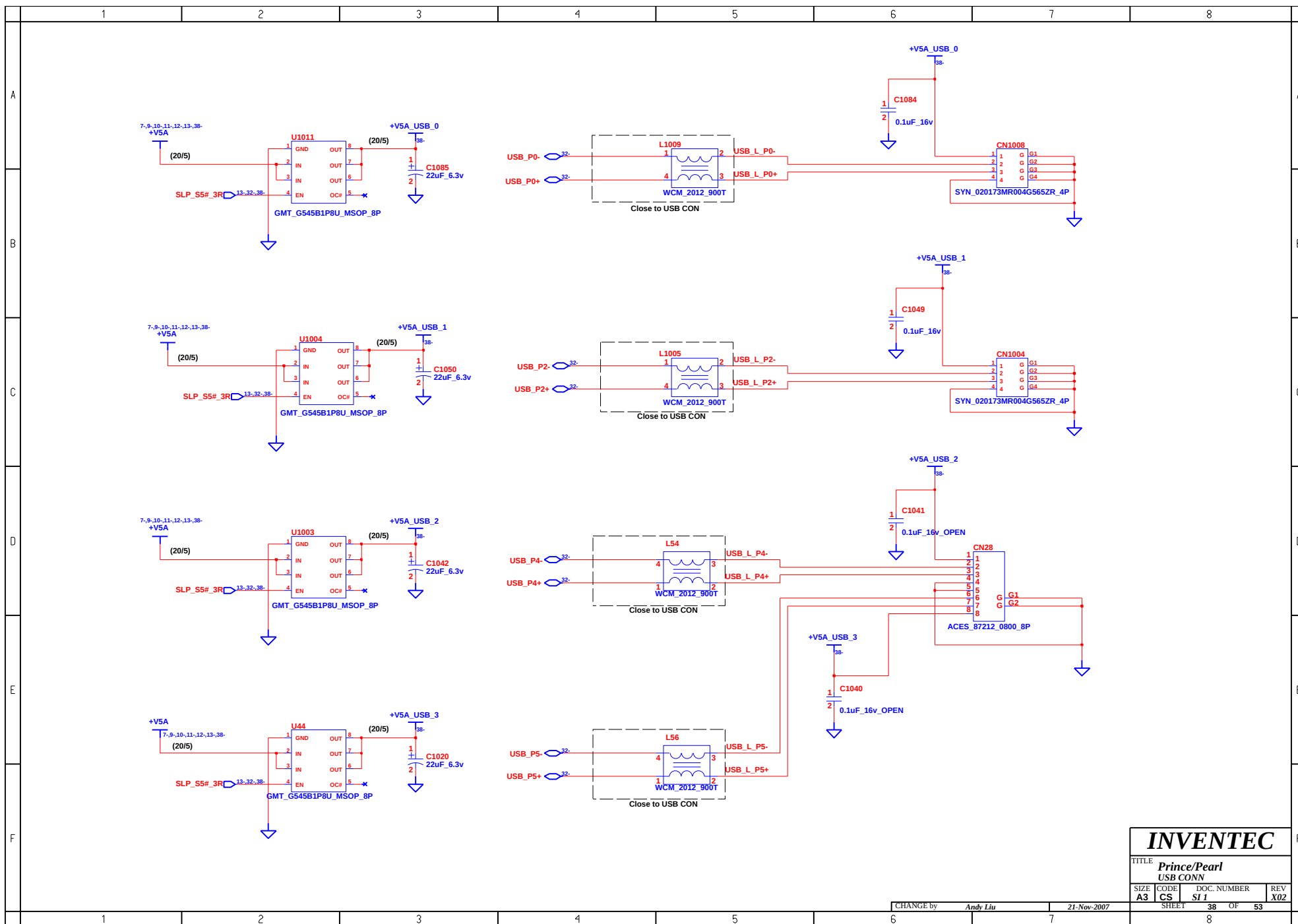


HDD CONNECTOR



ODD SATA CONNECTOR

INVENTEC			
TITLE			
Prince/Pearl HDD & ODD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02
CHANGE by		21-Nov-2007	
SHEET		37	OF 53
		8	



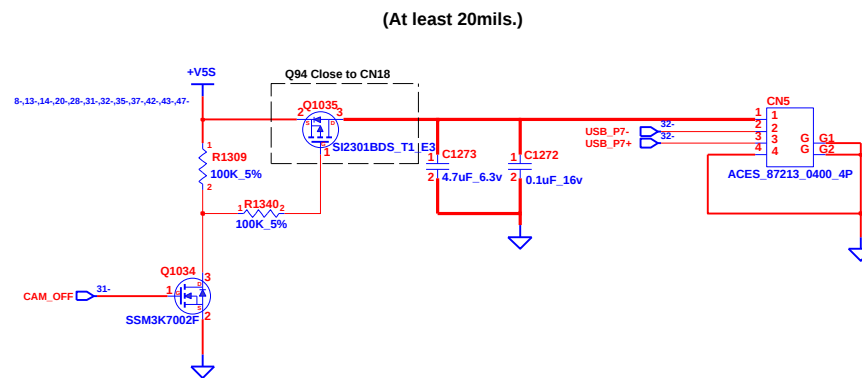
INVENTEC

TITLE
Prince/Pearl
USB CONN

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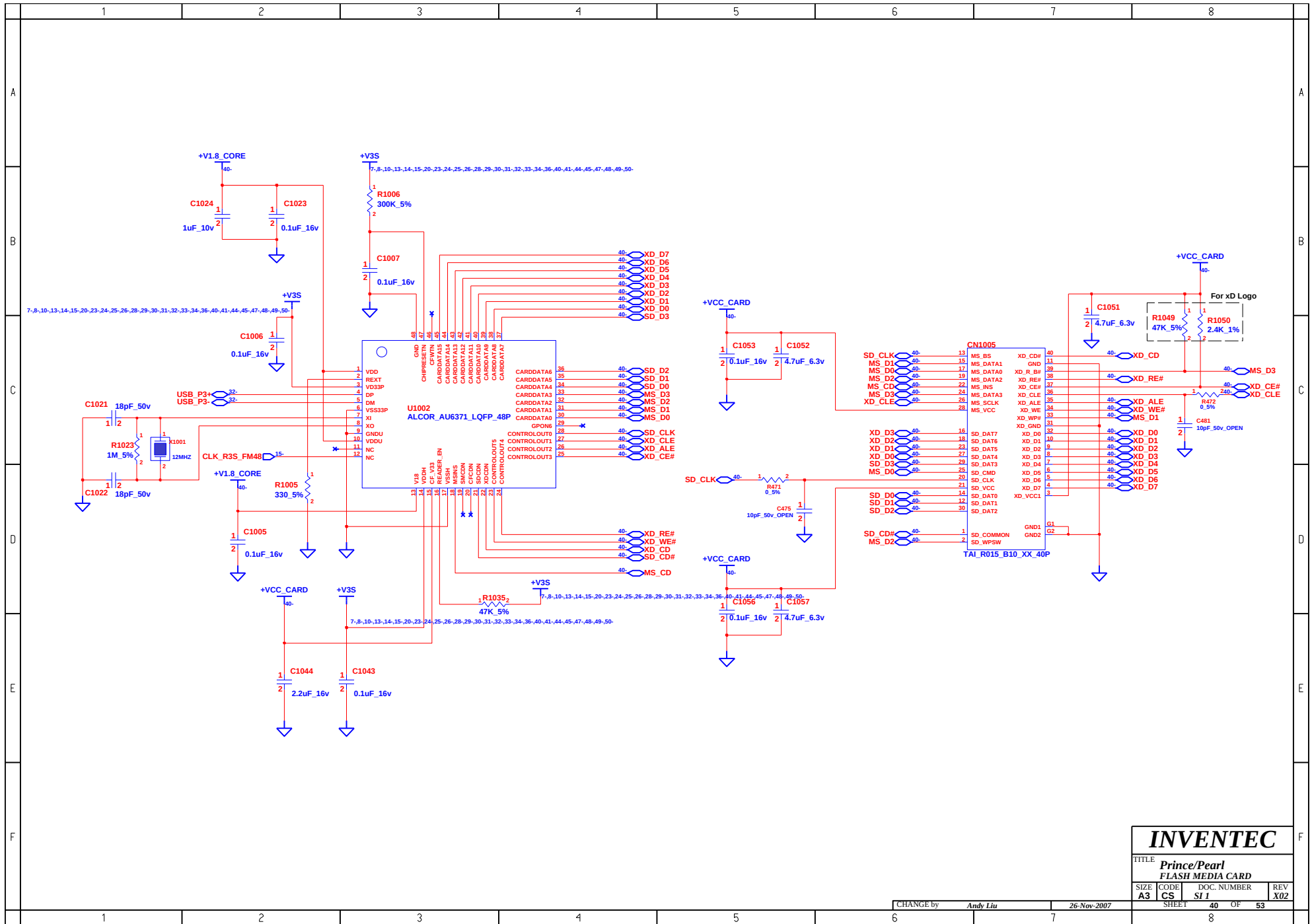
CHANGE by *Andy Liu* 21-Nov-2007

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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	

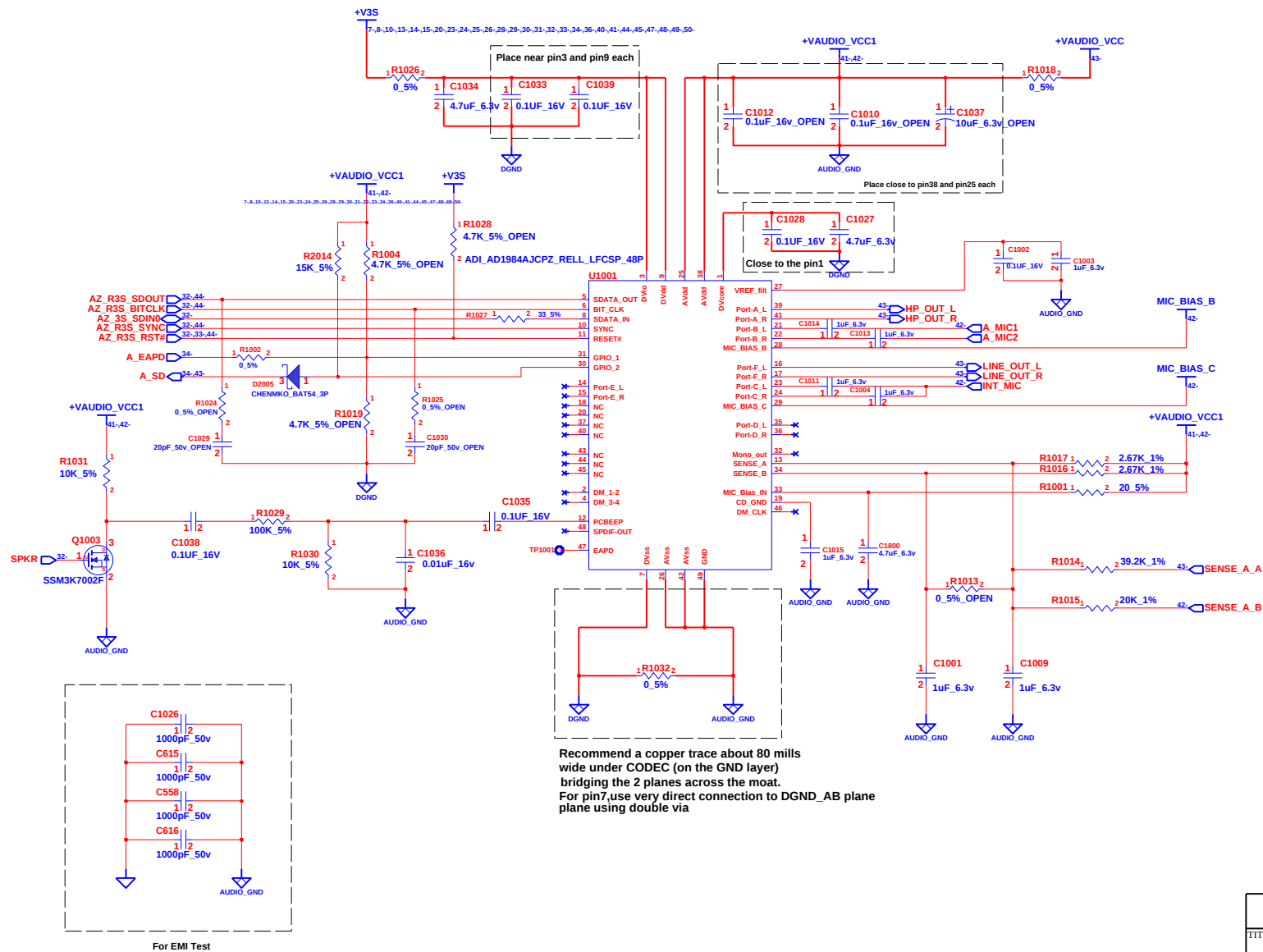


INVENTEC

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

CHANGE by Andy Liu 26-Nov-2007

SHEET 40 OF 53



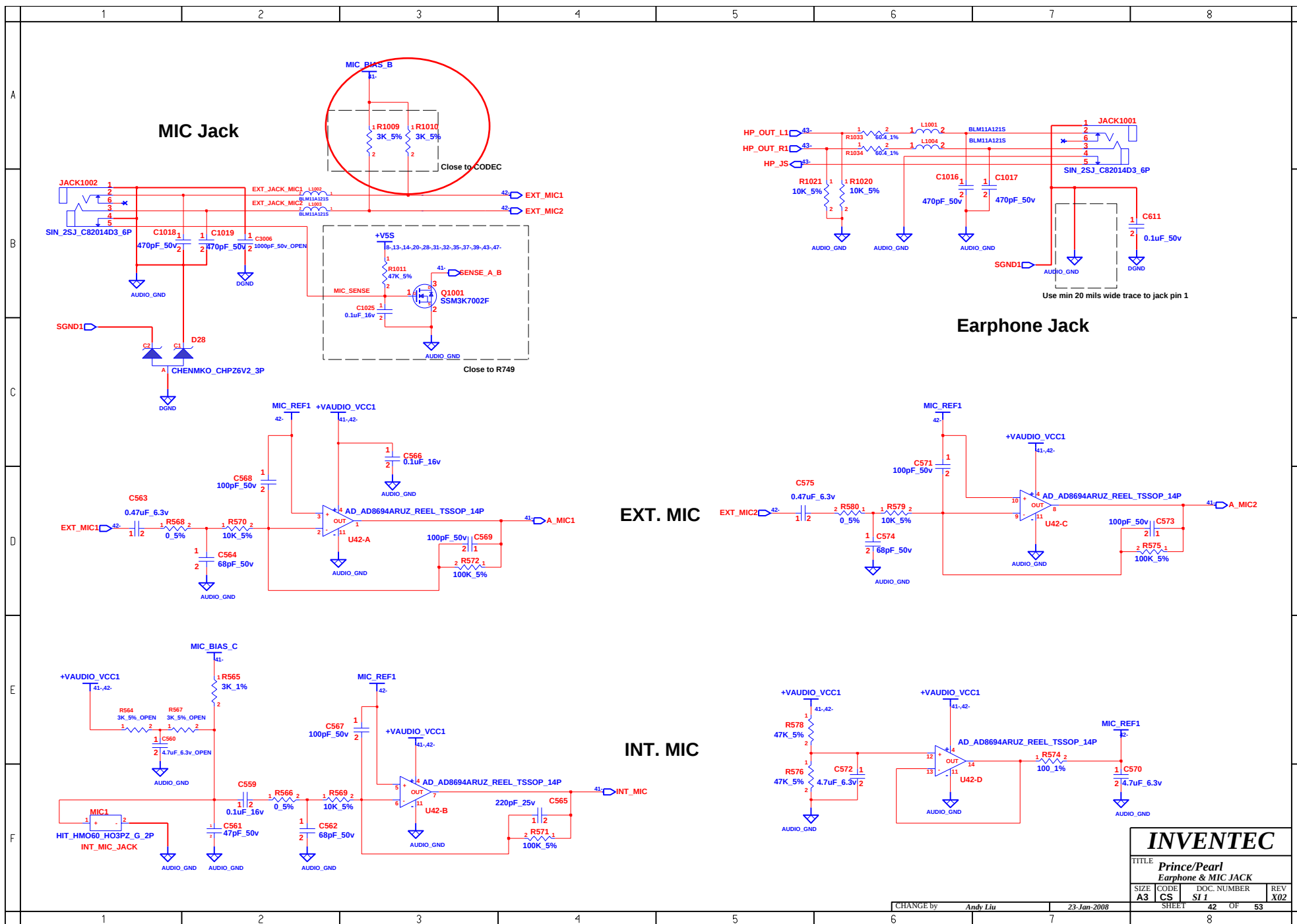
INVENTEC

TITLE		
Prince/Pearl AZALIA CODEC		
SIZE	CODE	DOC. NUMBER
A3	CS	SI 1
SHEET		REV
41		X02

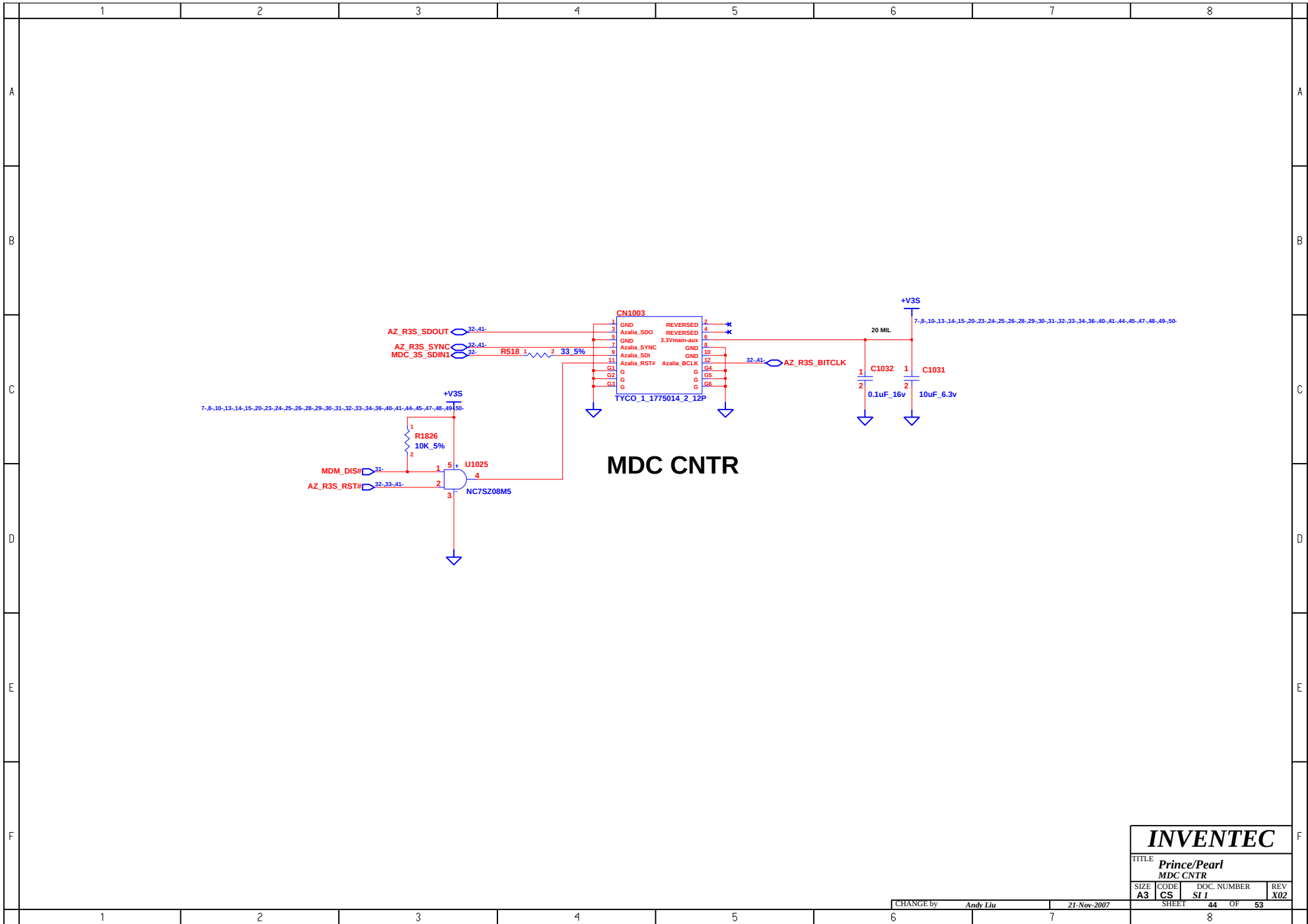
CHANGE by Andy Liu 21-Nov-2007

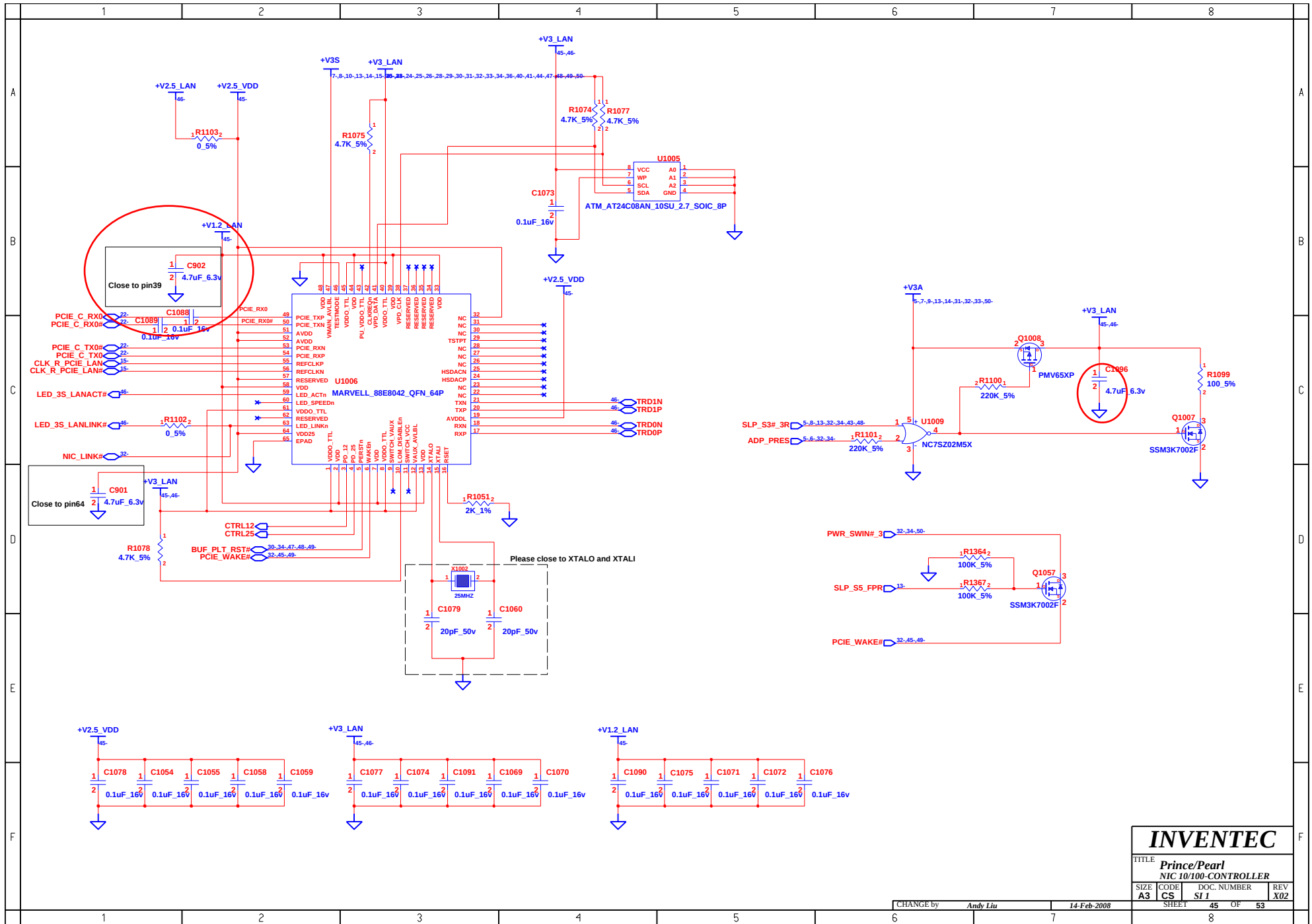
OF 53

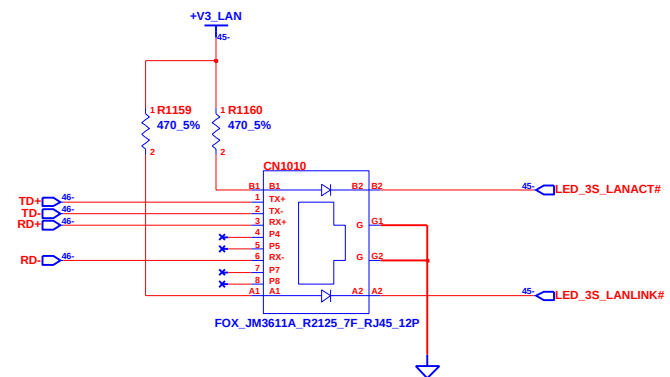
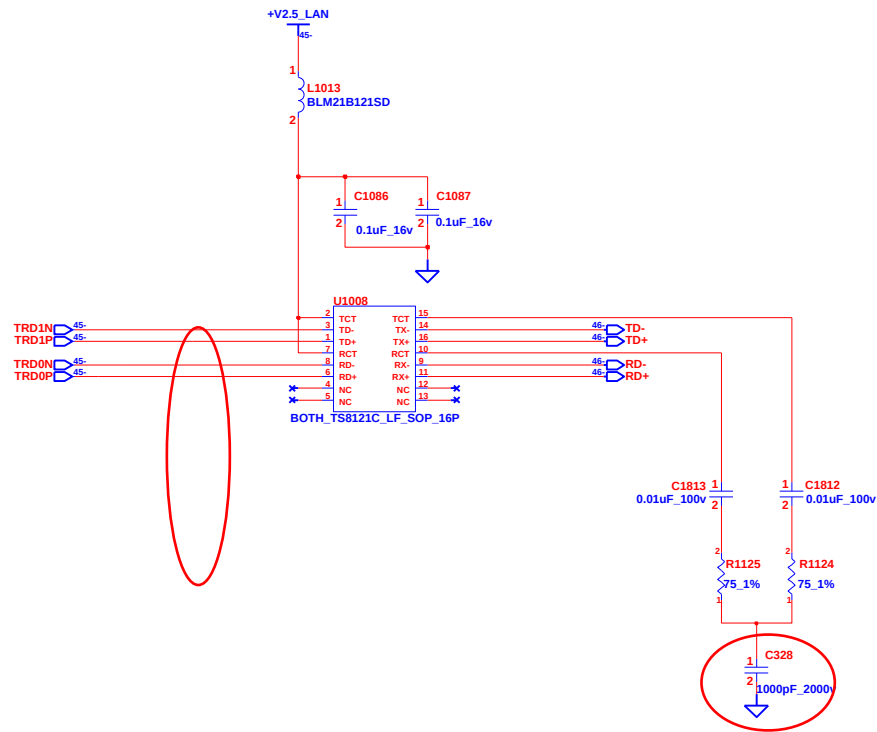
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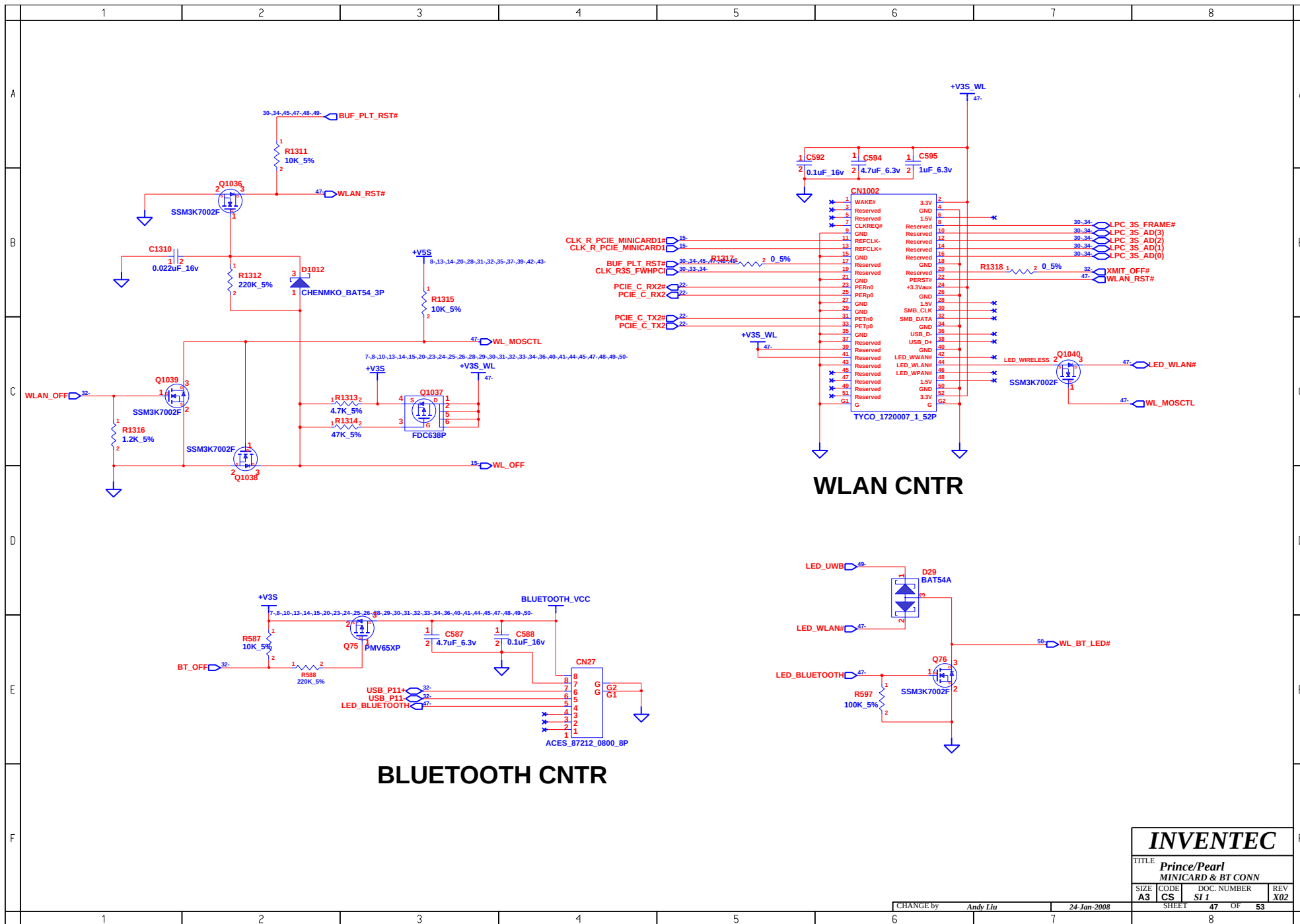
INVENTEC			
TITLE Prince/Pearl Earphone & MIC JACK			
SIZE A3	CODE CS	DOC. NUMBER S11	REV X02
CHANGE by Andy Liu		23-Jan-2008	
SHEET 42		OF 53	

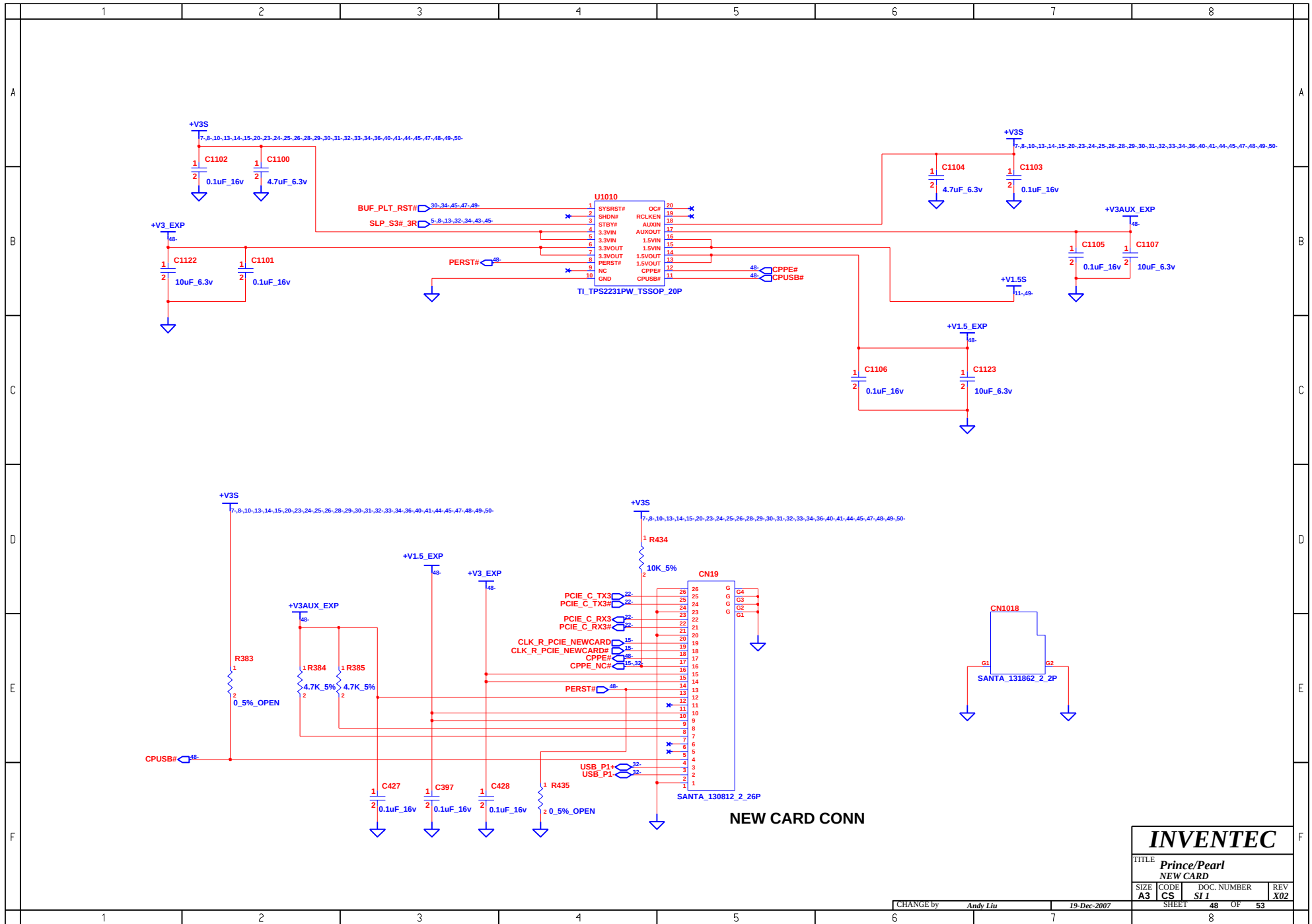


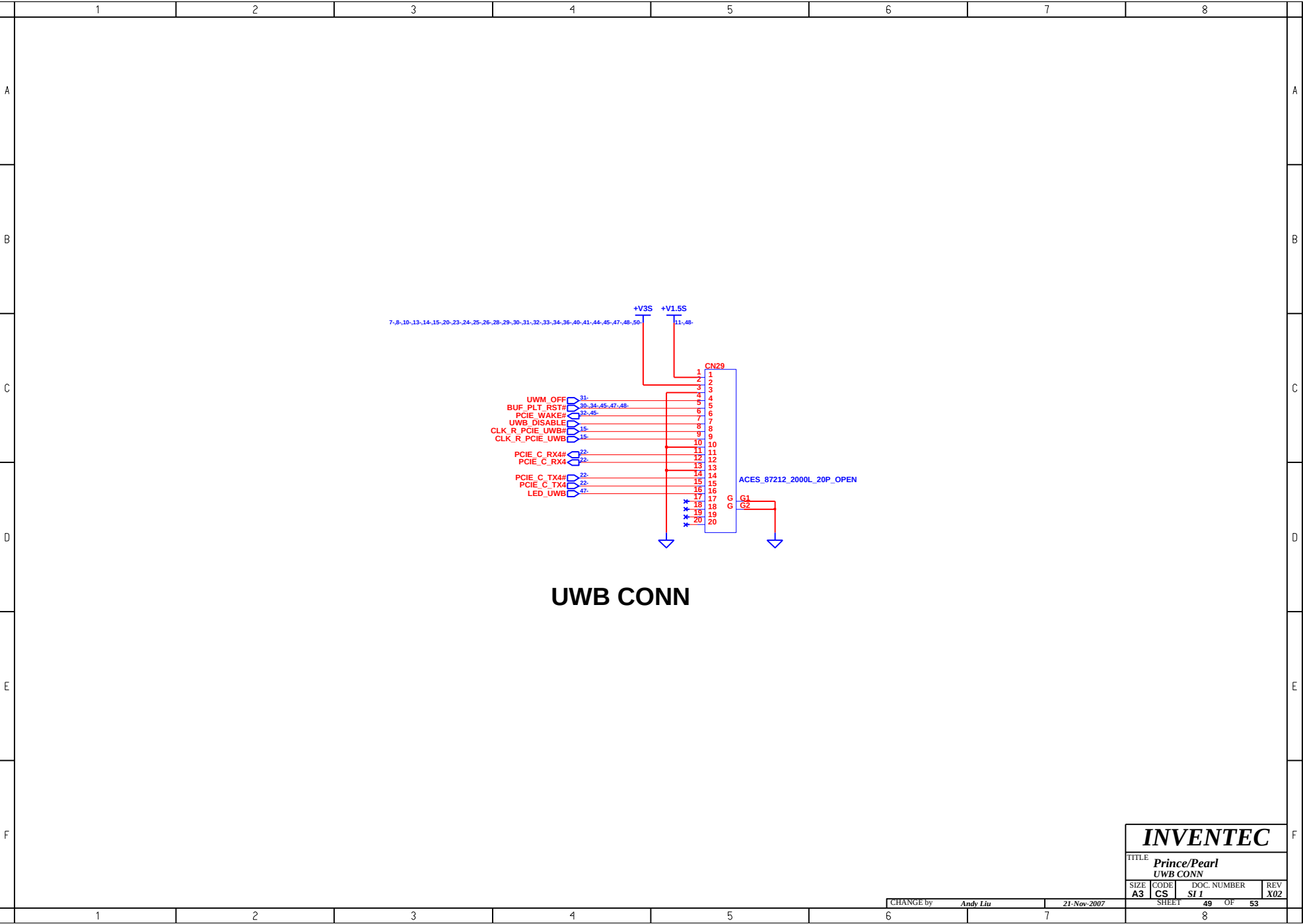




INVENTEC			
TITLE Prince/Pearl NIC 10/100-RJ45 CONN			
SIZE A3	CODE CS	DOC. NUMBER S11	REV X02
CHANGE by Andy Liu		4-Feb-2008	
SHEET 46		OF 53	





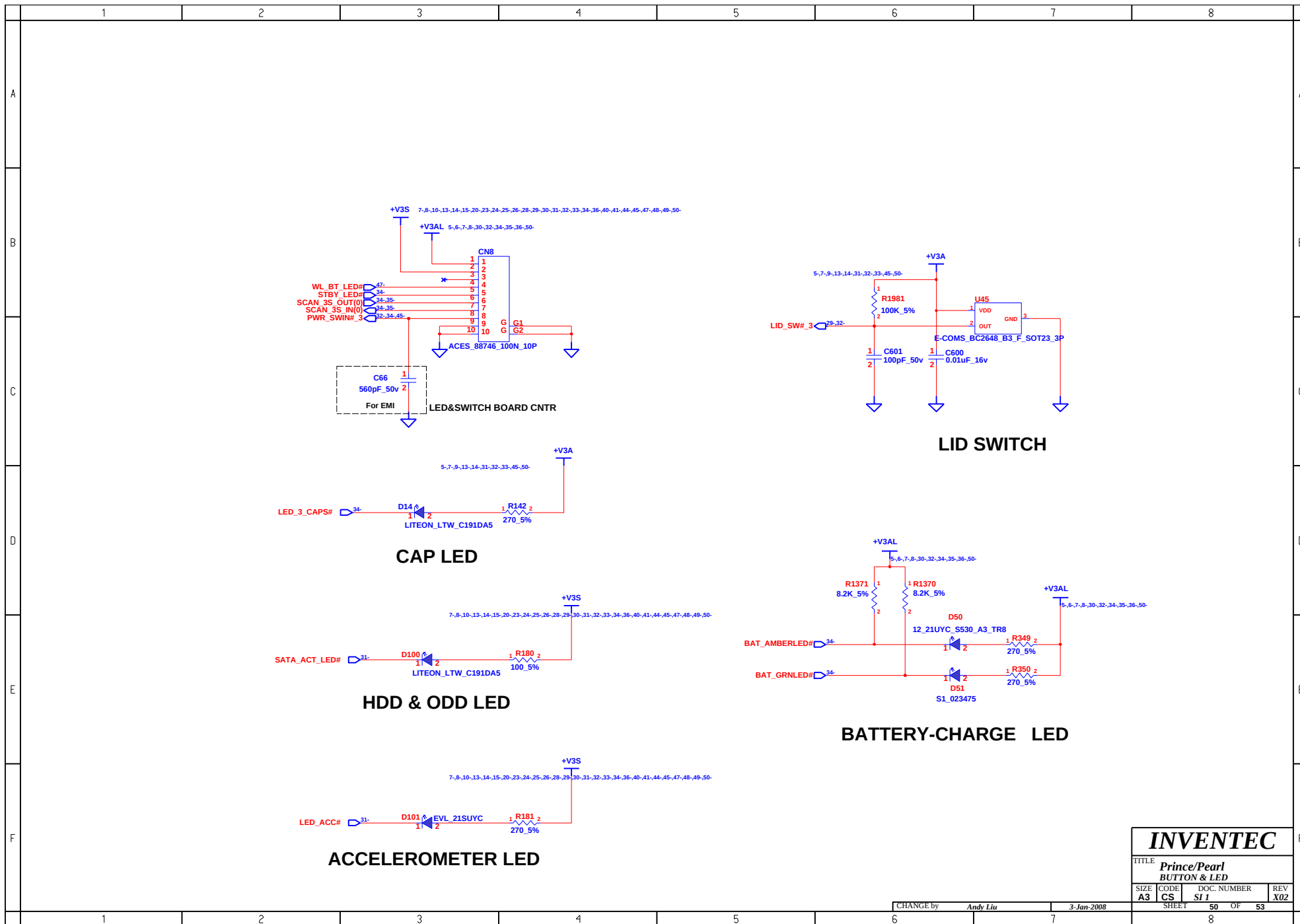


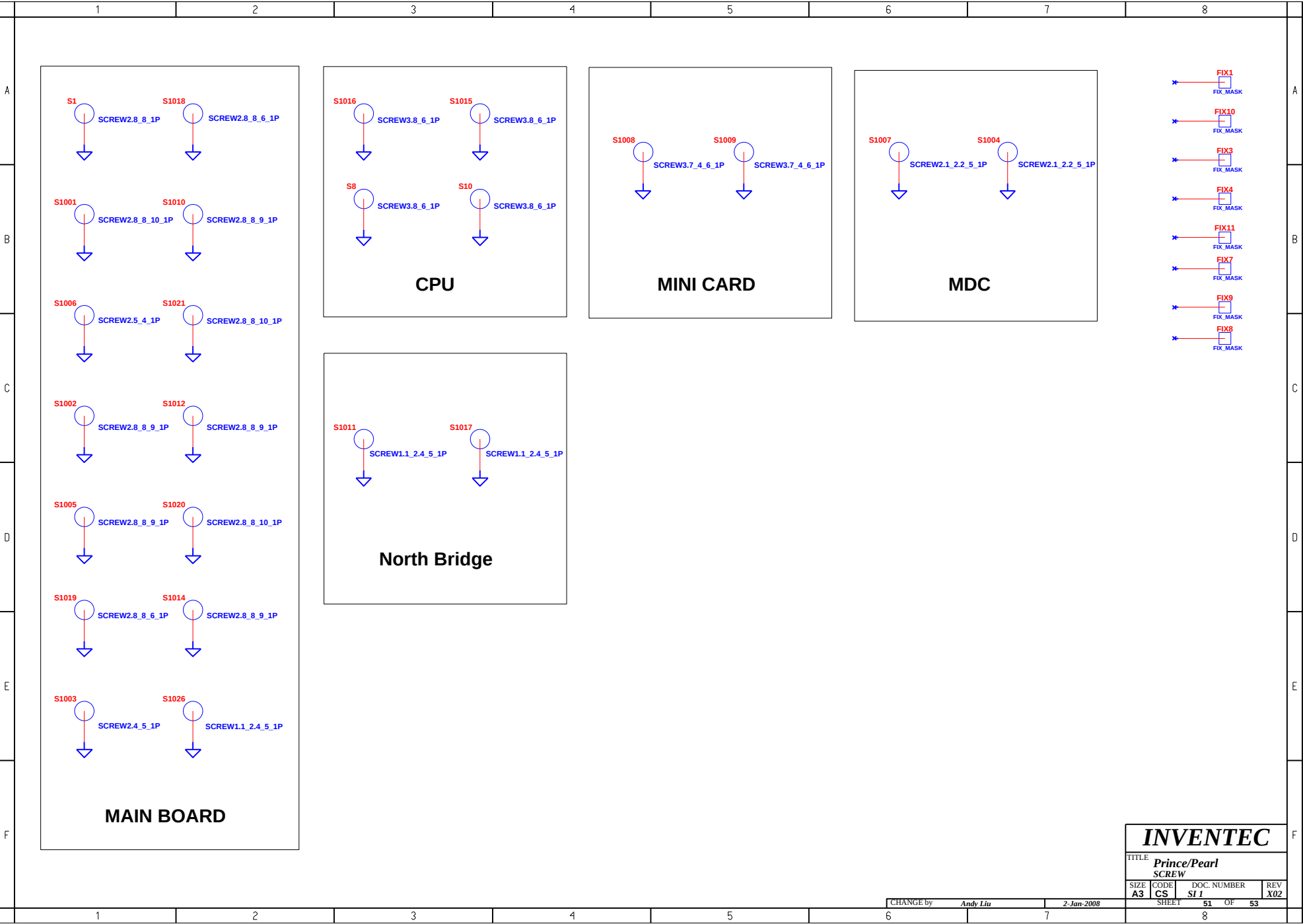
INVENTEC

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

CHANGE by Andy Liu 21-Nov-2007

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S1005

SCREW2.8_8_9_1P

S1020

SCREW2.8_8_10_1P

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

S1011

SCREW1.1_2.4_5_1P

S1017

SCREW1.1_2.4_5_1P

North Bridge

FIX1

FIX_MASK

FIX10

FIX_MASK

FIX3

FIX_MASK

FIX4

FIX_MASK

FIX11

FIX_MASK

FIX7

FIX_MASK

FIX9

FIX_MASK

FIX8

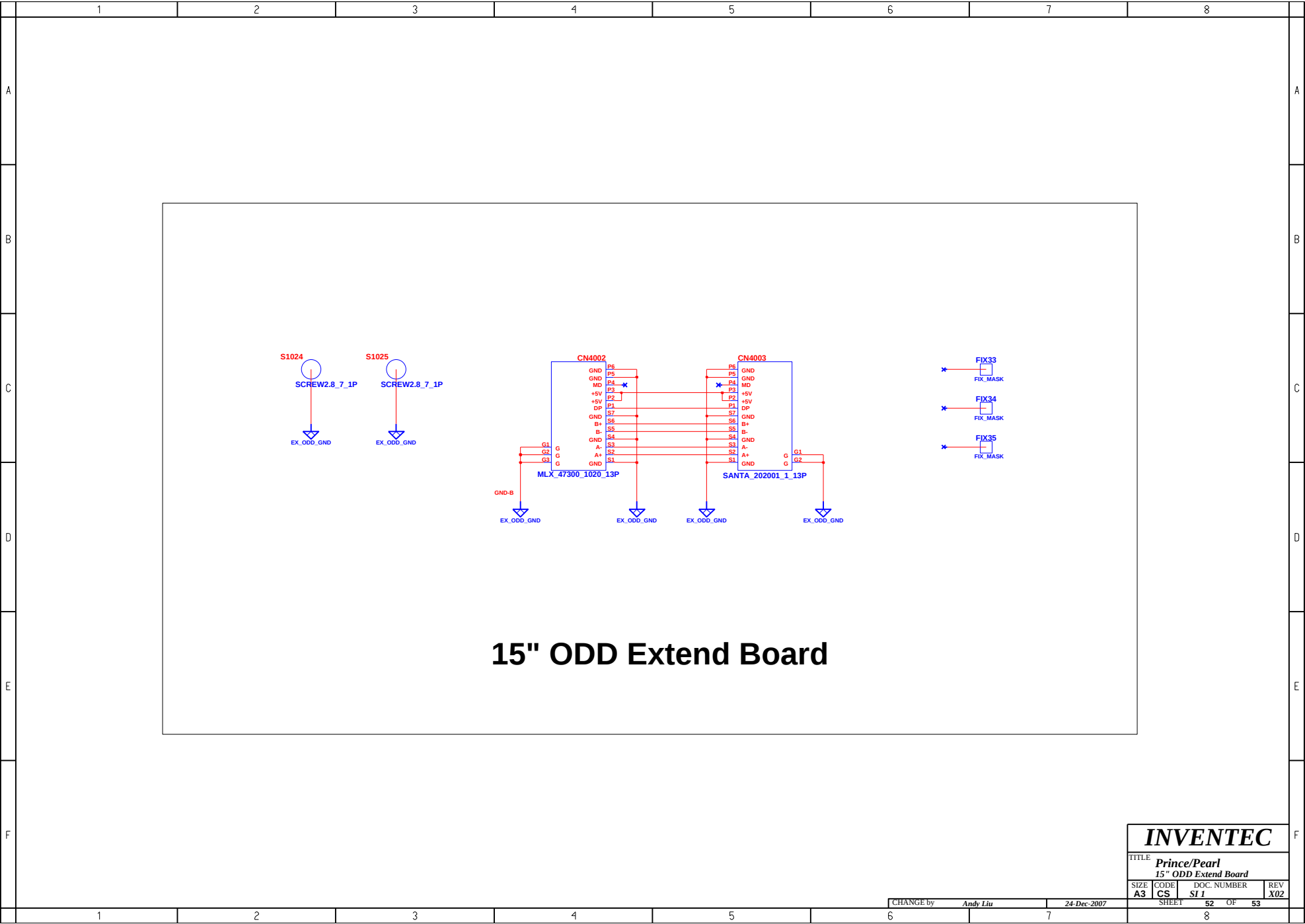
FIX_MASK

INVENTEC

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

CHANGE by Andy Liu 2-Jan-2008

SHEET 51 OF 53

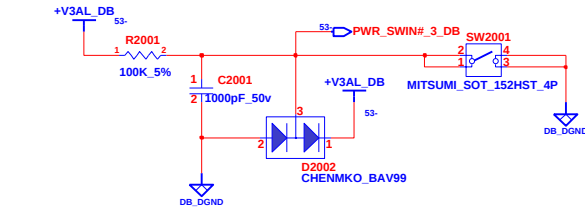


INVENTEC

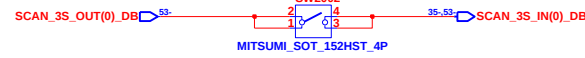
TITLE			
Prince/Pearl			
15" ODD Extend Board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 24-Dec-2007

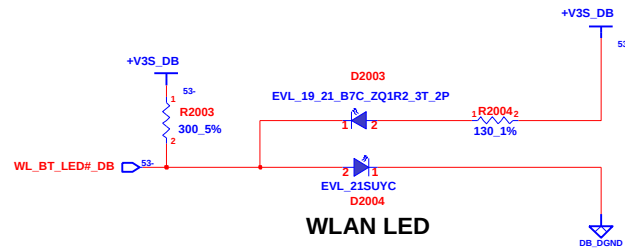
SHEET 52 OF 53



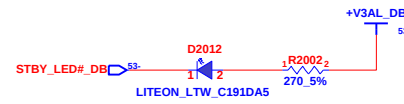
POWER BUTTON



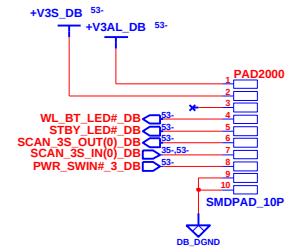
WIRELESS BUTTON



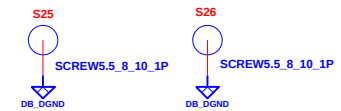
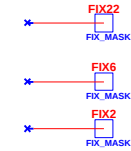
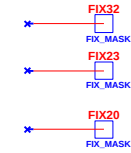
WLAN LED



POWER / STANDBY LED



LED&SWITCH BOARD



INVENTEC

TITLE
Prince/Pearl
SWITCH Board

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

CHANGE by Andy Liu 27-Nov-2007

8