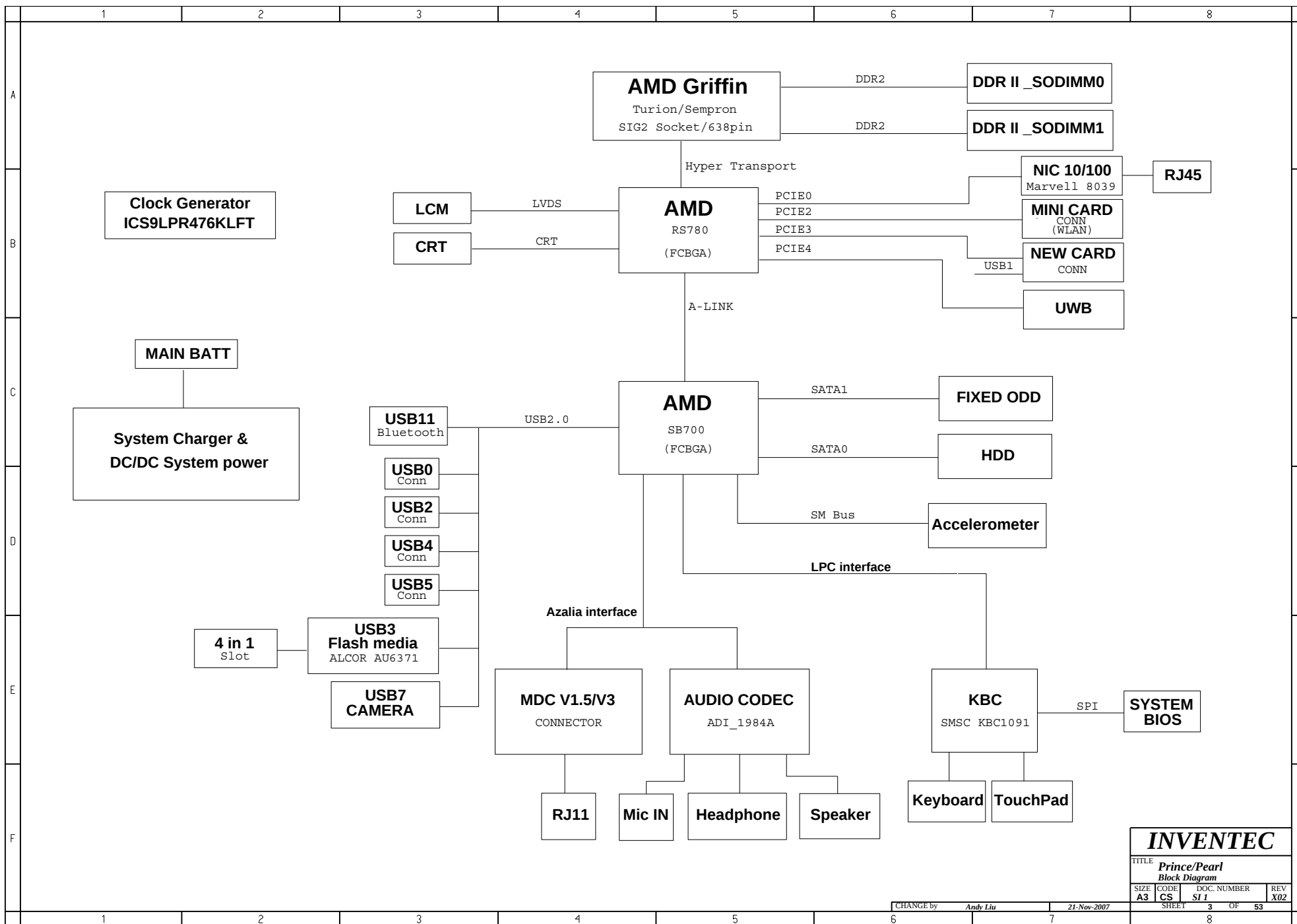


2008/02/14

EE		DATE	POWER	DATE	INVENTEC Prince/Pearl
DRAWER					
DESIGN					
CHECK					
RESPONSIBLE					
SIZE = 3 VER:					TITLE Prince/Pearl
FILE NAME: XXXX-XXXXXX-XX P/N XXXXXXXXXX					SIZE A3 CODE SHE1 DOC. NUMBER SI 1 REV X02
					1 OF 53

TABLE OF CONTENTS

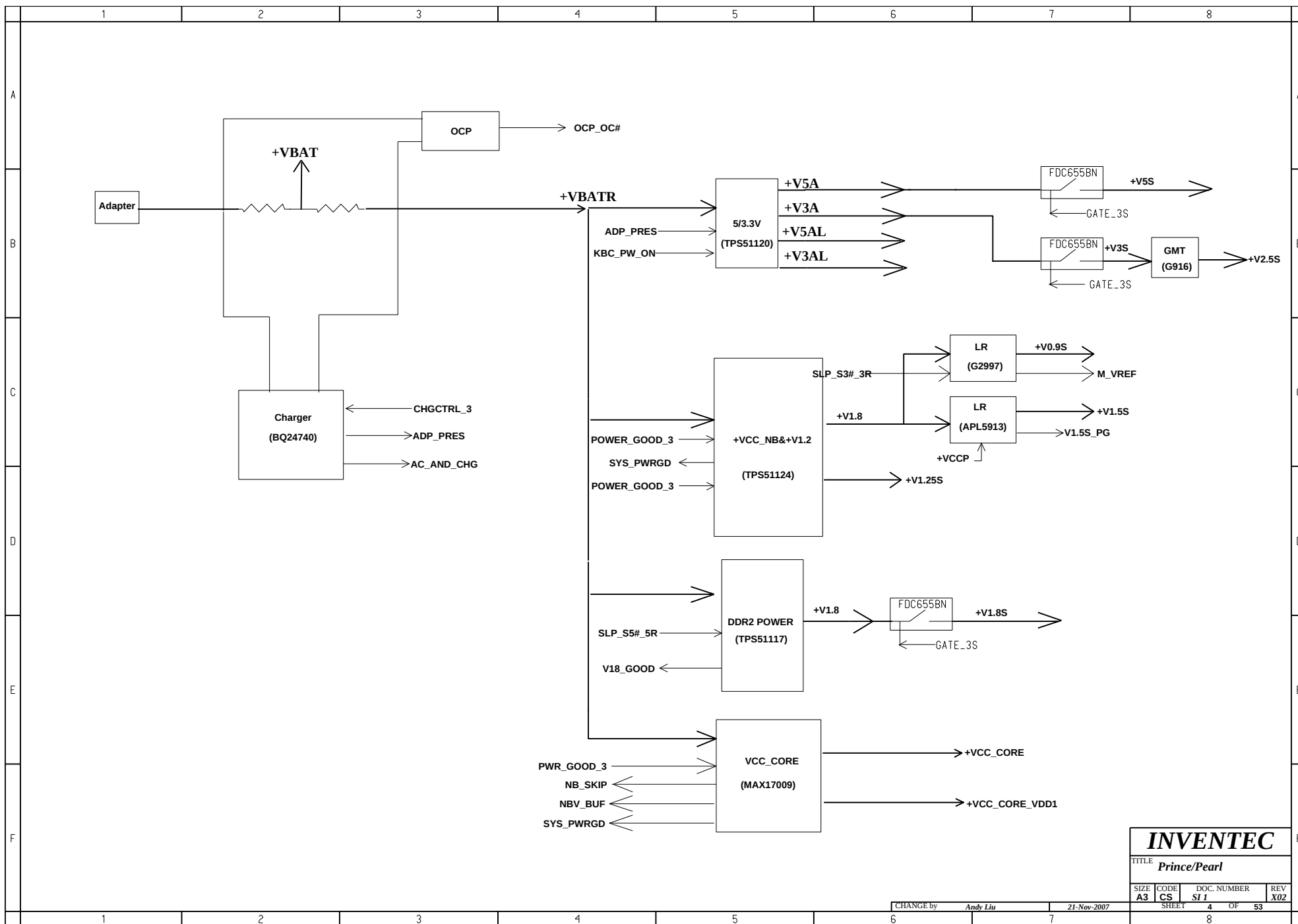
PAGE	PAGE	PAGE
5- DC& BATTERY CHARGER	15- CLOCK_GENERATOR	35- KB & TP CONN
6- SELECT & BATTERY CONN	16- CPU-1	36- SPI & ACCELEROMETER
7- +V5A,+V3A & +V2.5S	17- CPU-2	37- HDD & ODD CONN
8- OCP	18- CPU-3	38- USB CONN
9- +VCC_NB & +V1.2A	19- CPU-4	39- USB WEBCAM CONN
10- +VCC_CORE	20- THERMAL&FAN CONTROLLER	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	



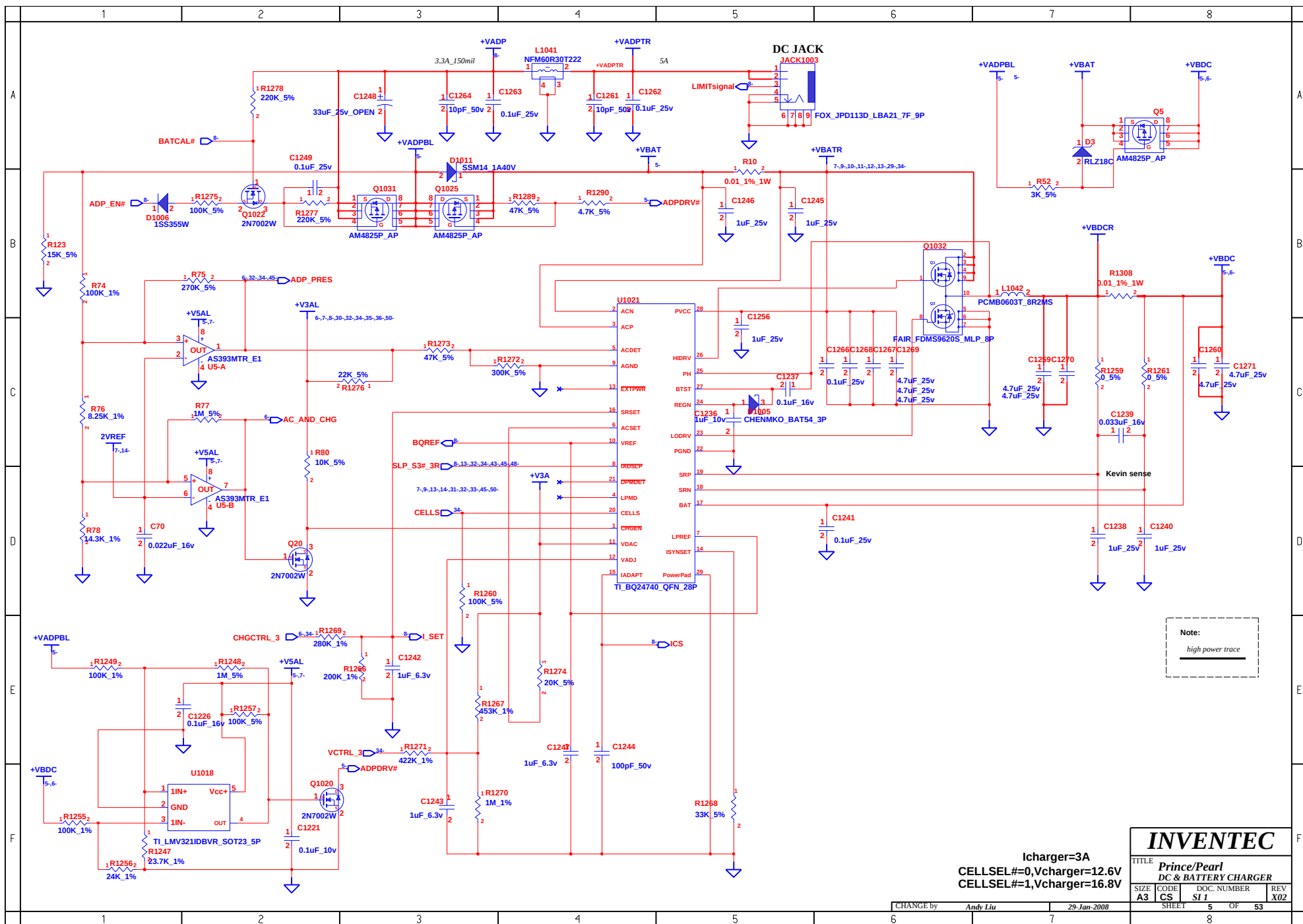
INVENTEC

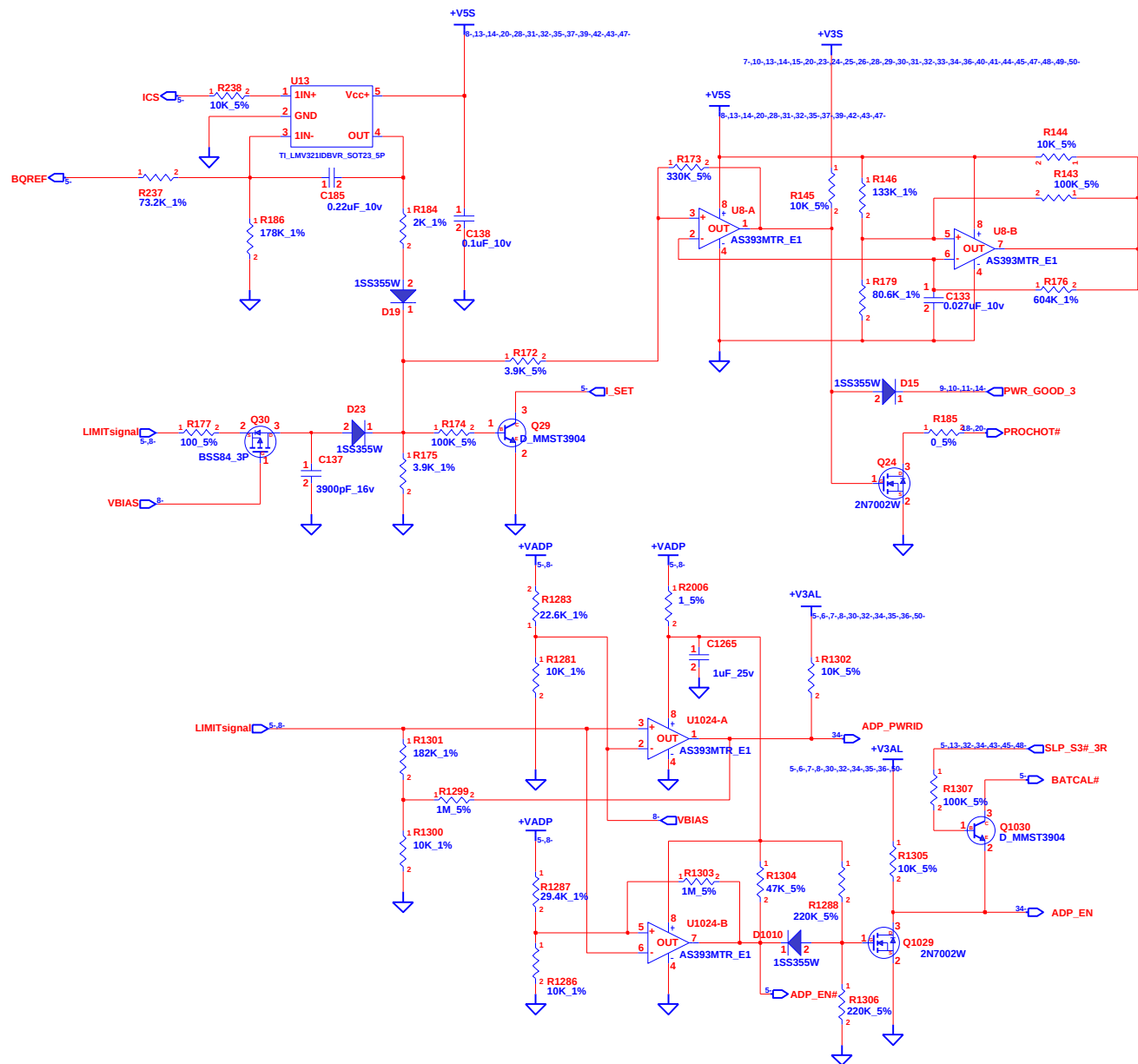
TITLE Prince/Pearl <i>Block Diagram</i>			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
SHEET 3		OF 53	

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	





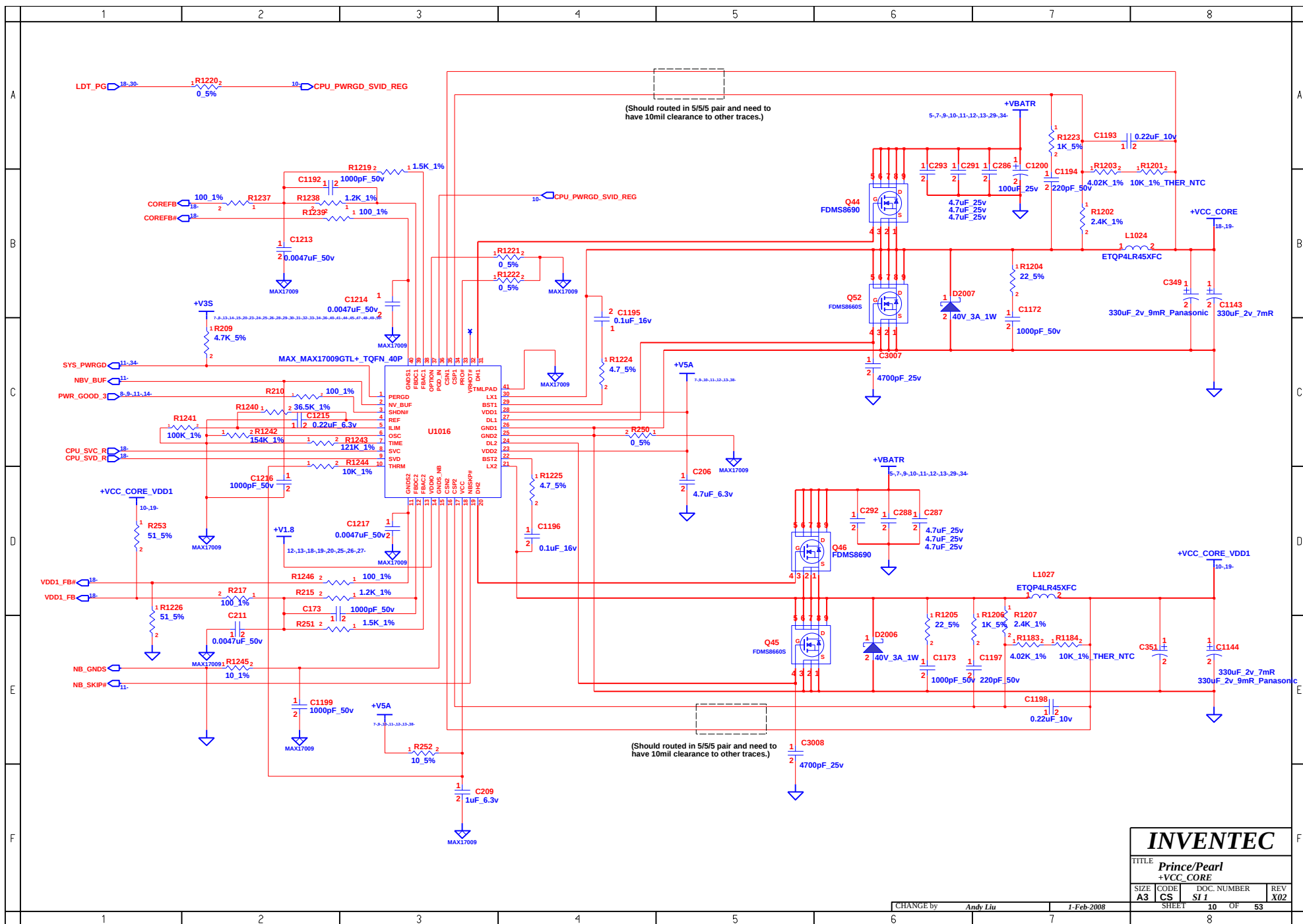
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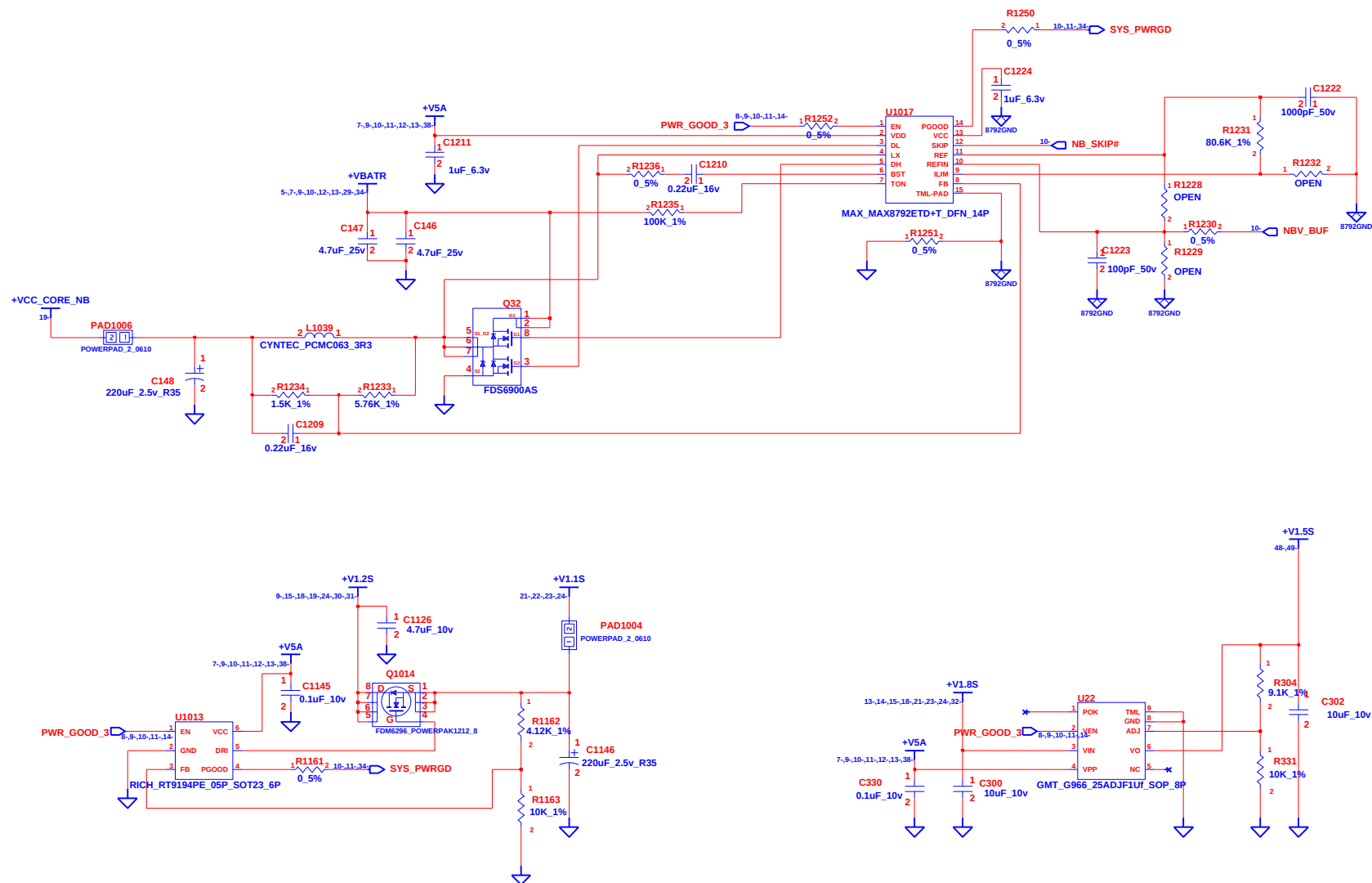
TITLE
**Prince/Pearl
OCP**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02

CHANGE by Andy Liu 22-Jan-2008

SHEET 8 OF 53



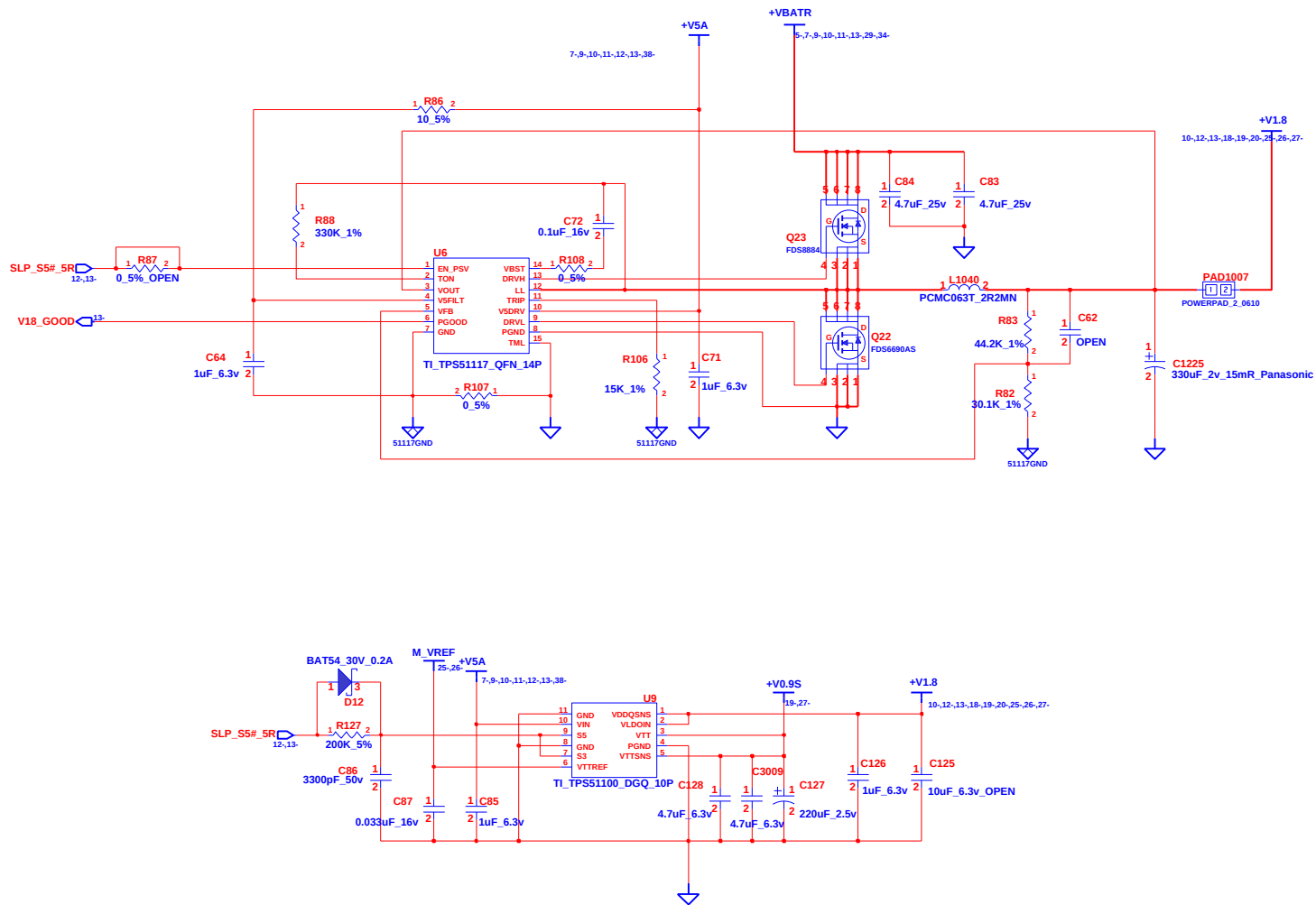


INVENTEC

TITLE	<i>Prince/Pearl</i> POWER
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SIZE A3	CODE CS	DOC. NUMBER <i>SI 1</i>	REV X02
SHEET 11 OF 53			

CHANGE by	<i>Andy Liu</i>	22-Nov-2007
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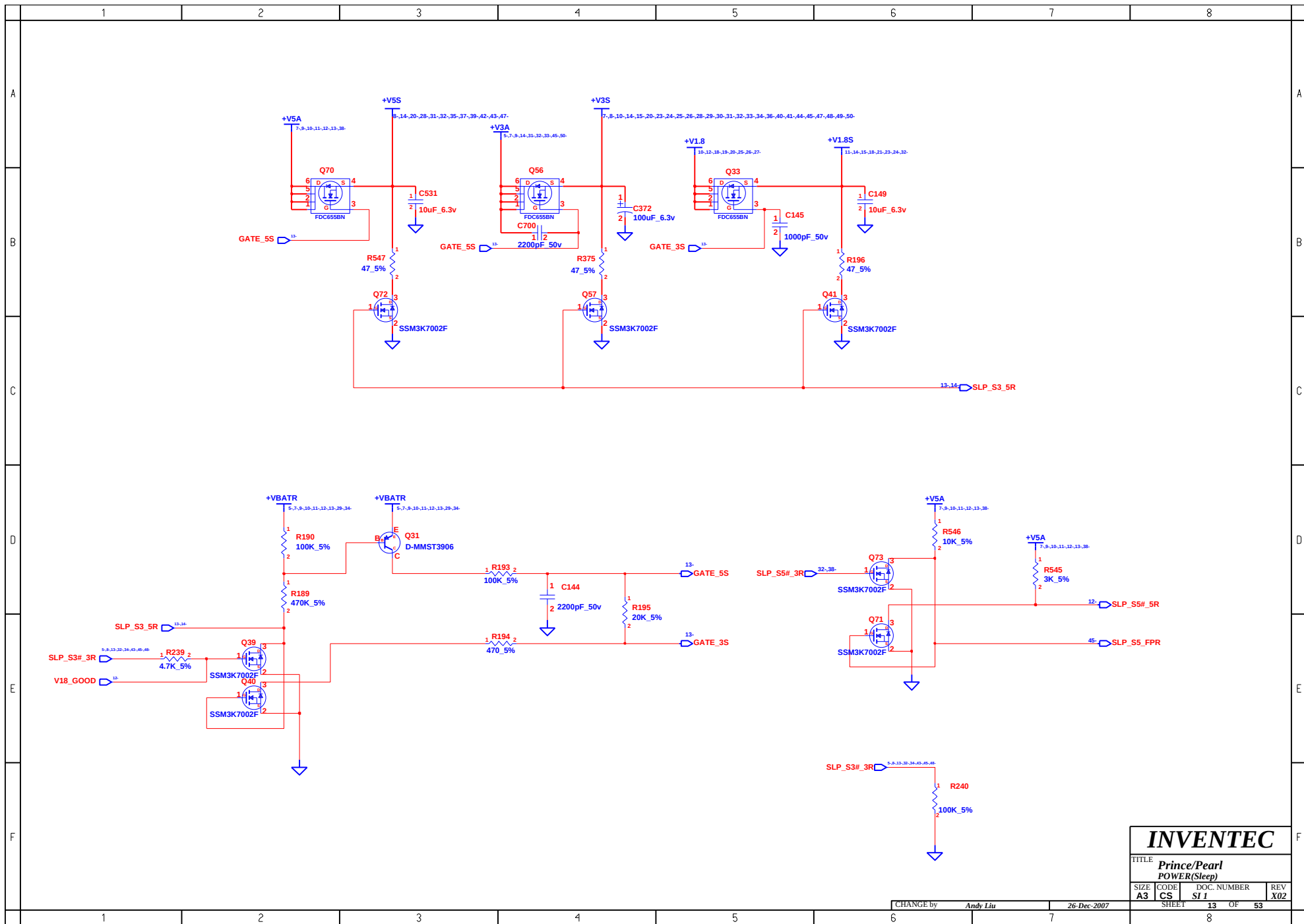
NOTE: DDR2 REGULATOR

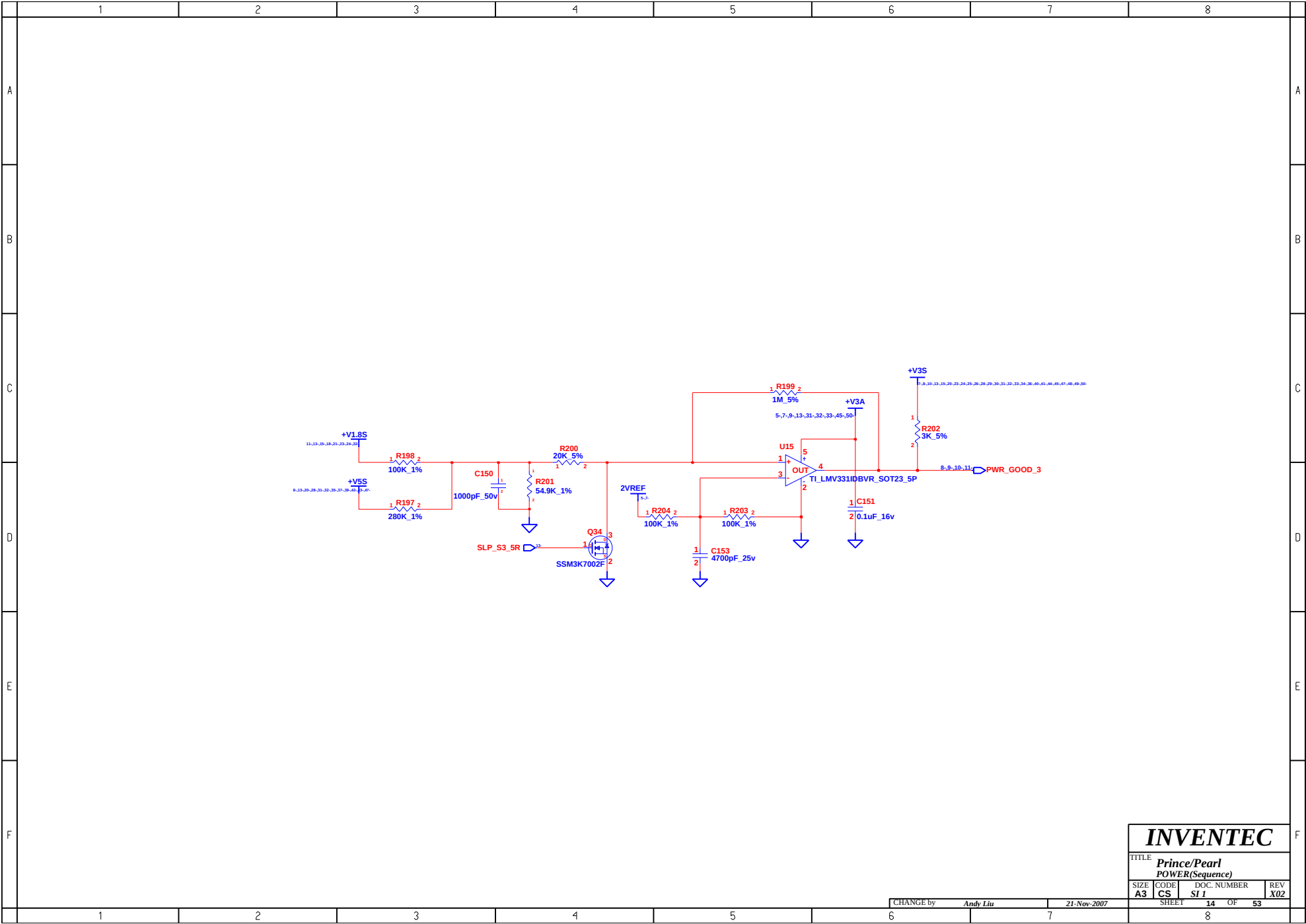
INVENTEC

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



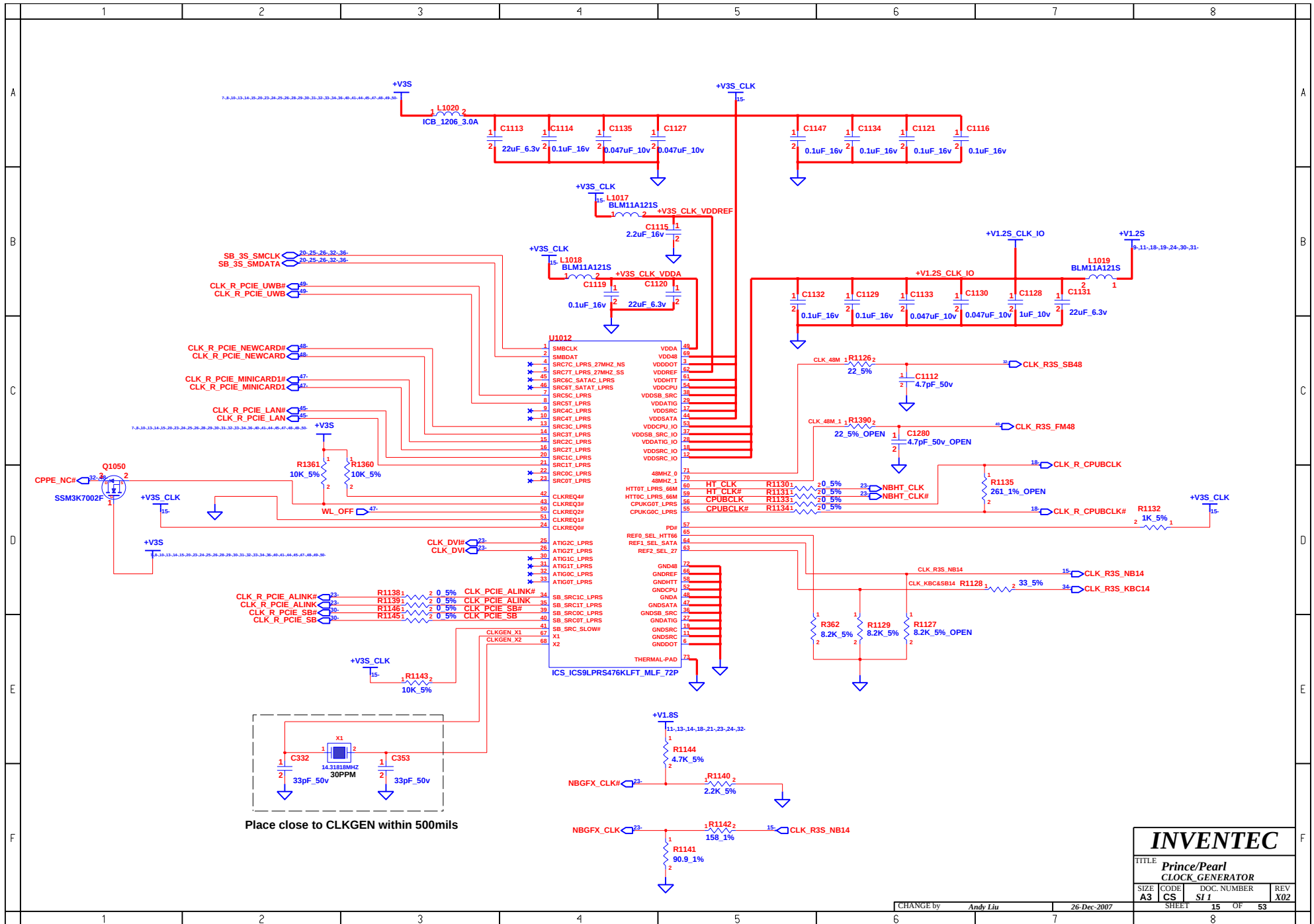


INVENTEC

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

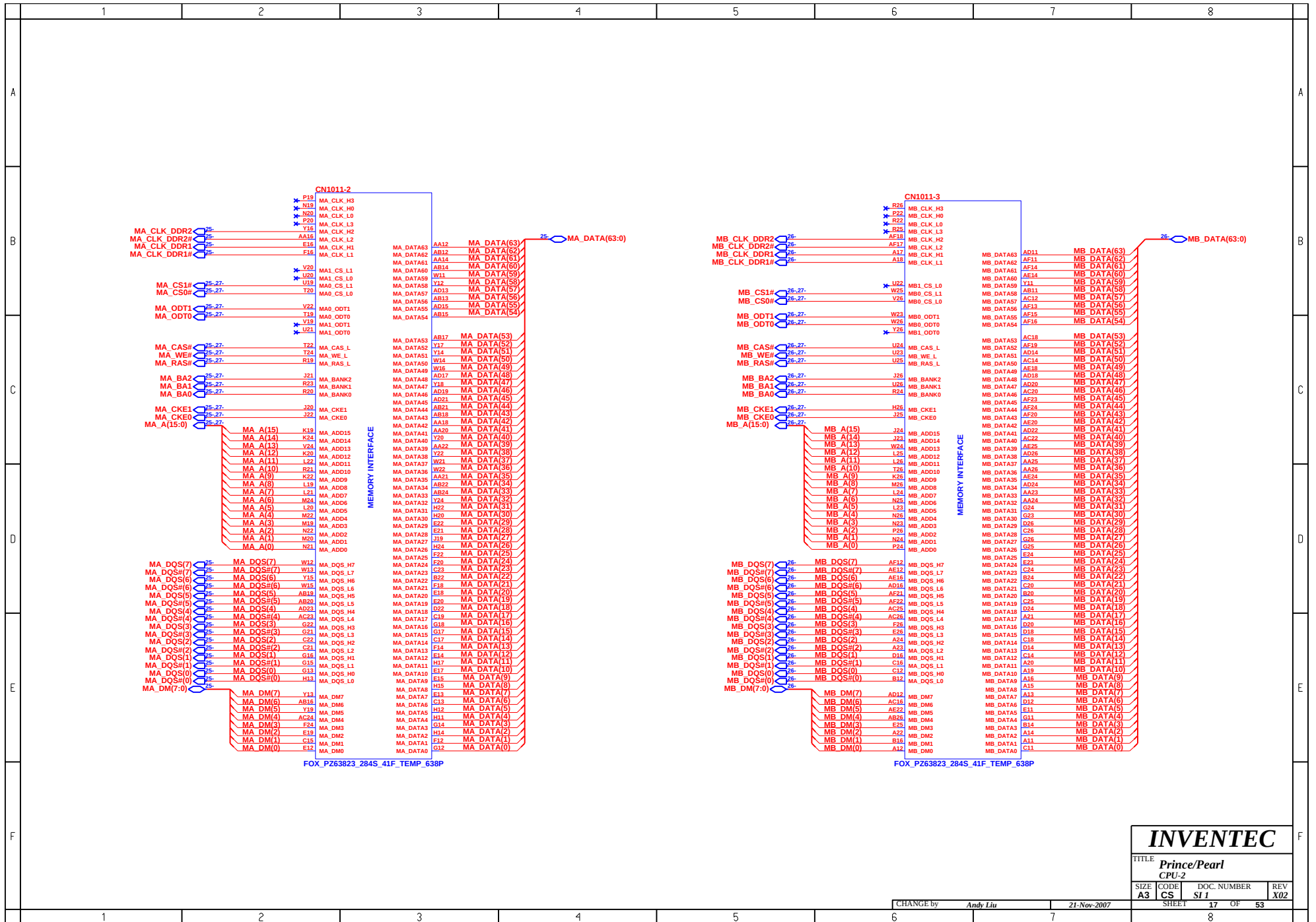
CHANGE by Andy Liu 21-Nov-2007

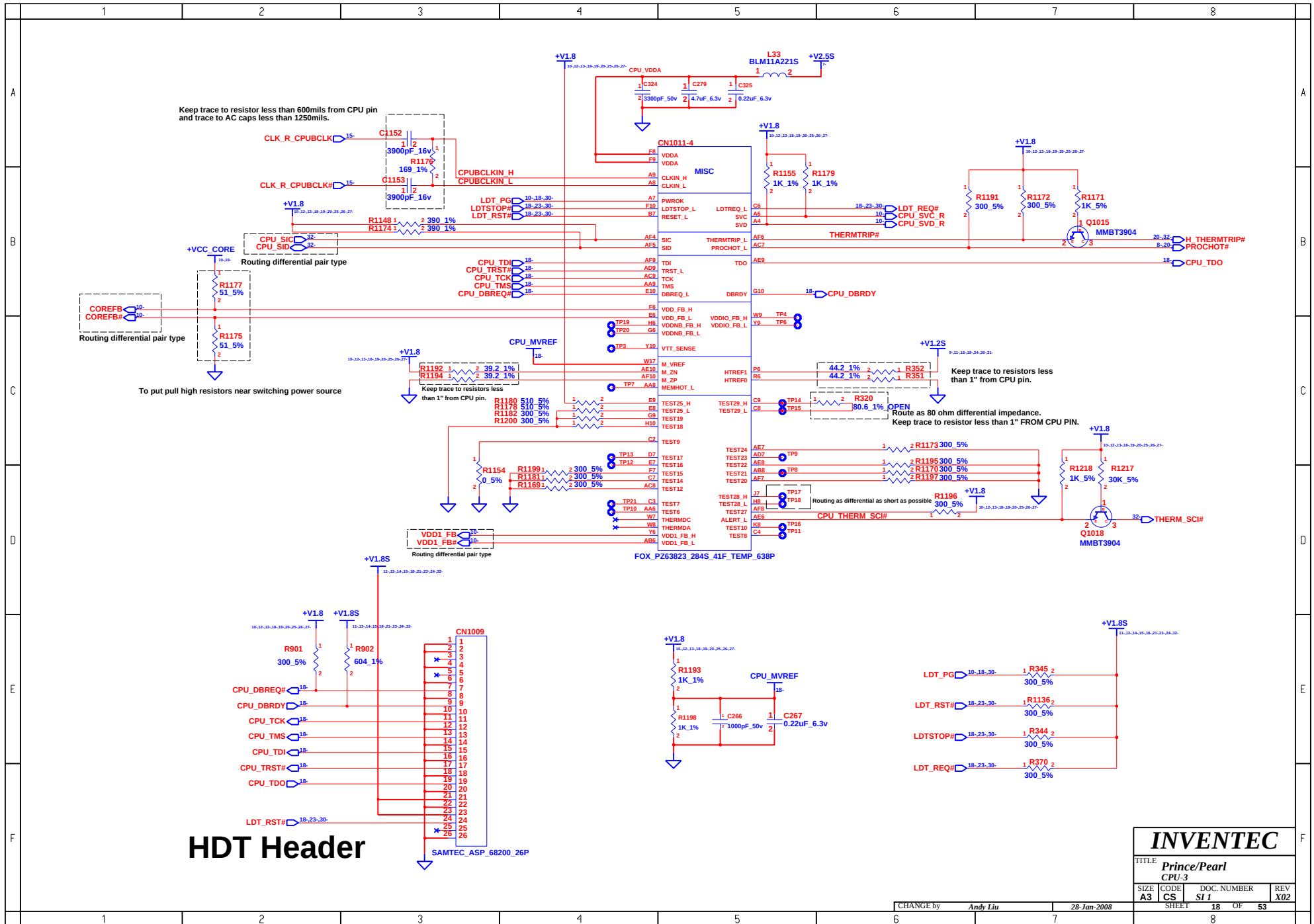
SHEET 14 OF 53

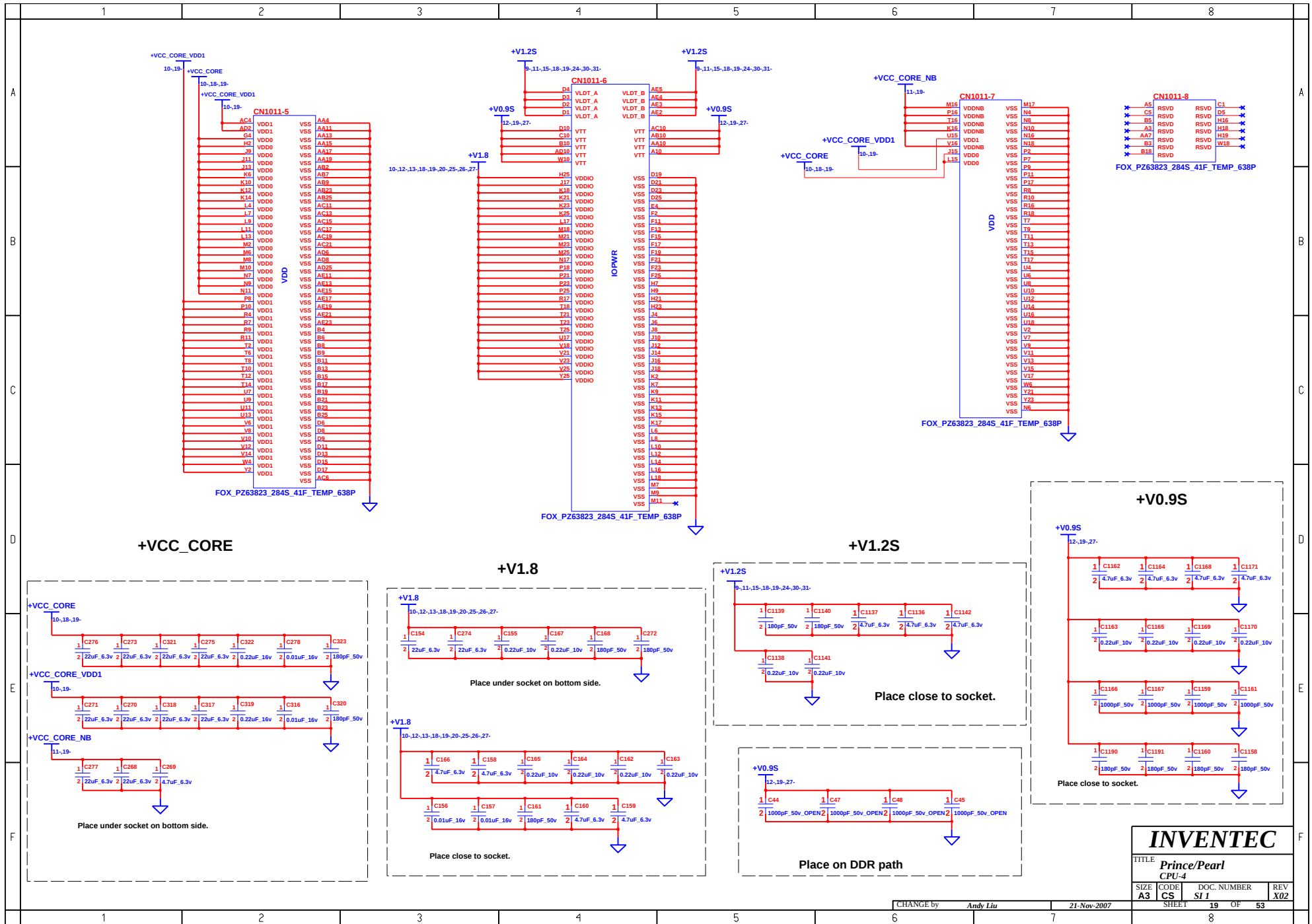


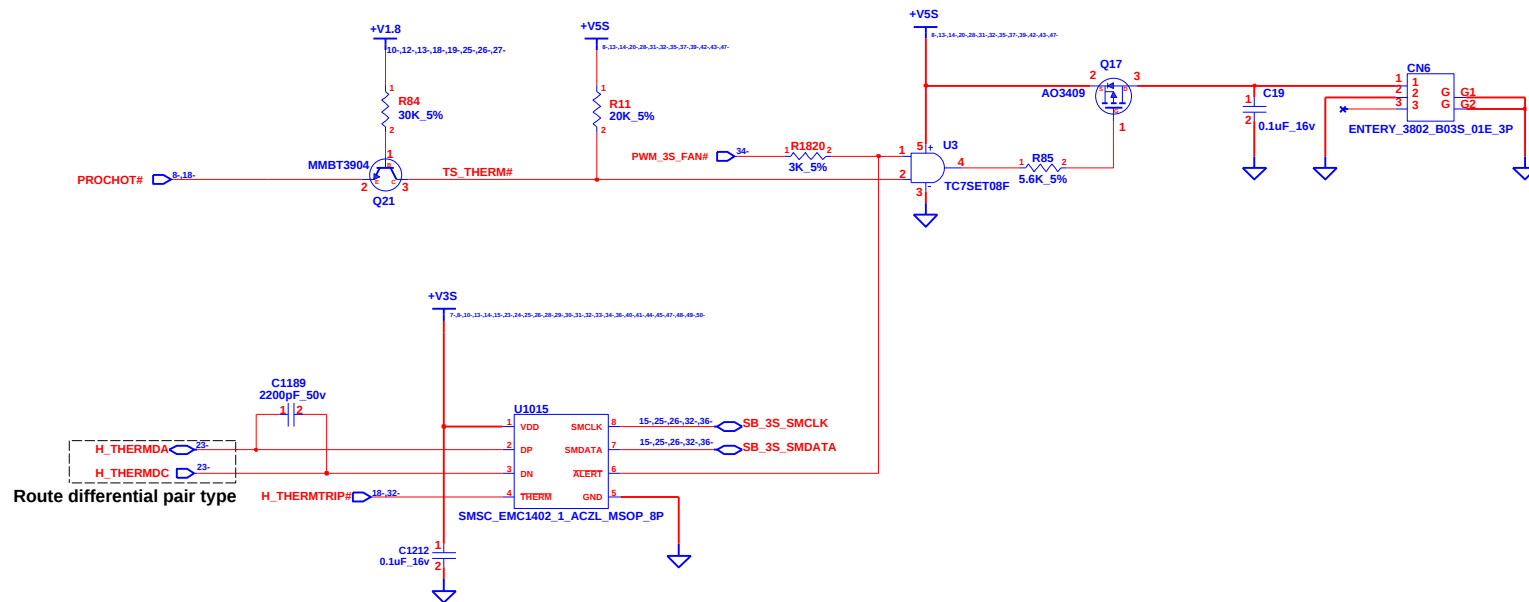


TITLE			
<i>Prince/Pearl</i>			
<i>CPU-1</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>SI 1</i>	X02









LAYOUT Note: Put the thermal sensor close to CPU.

INVENTEC

TITLE
Prince/Pearl
THERMAL & FAN CONTROLLER

SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
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CHANGE by **Andy Liu** 26-Nov-2007

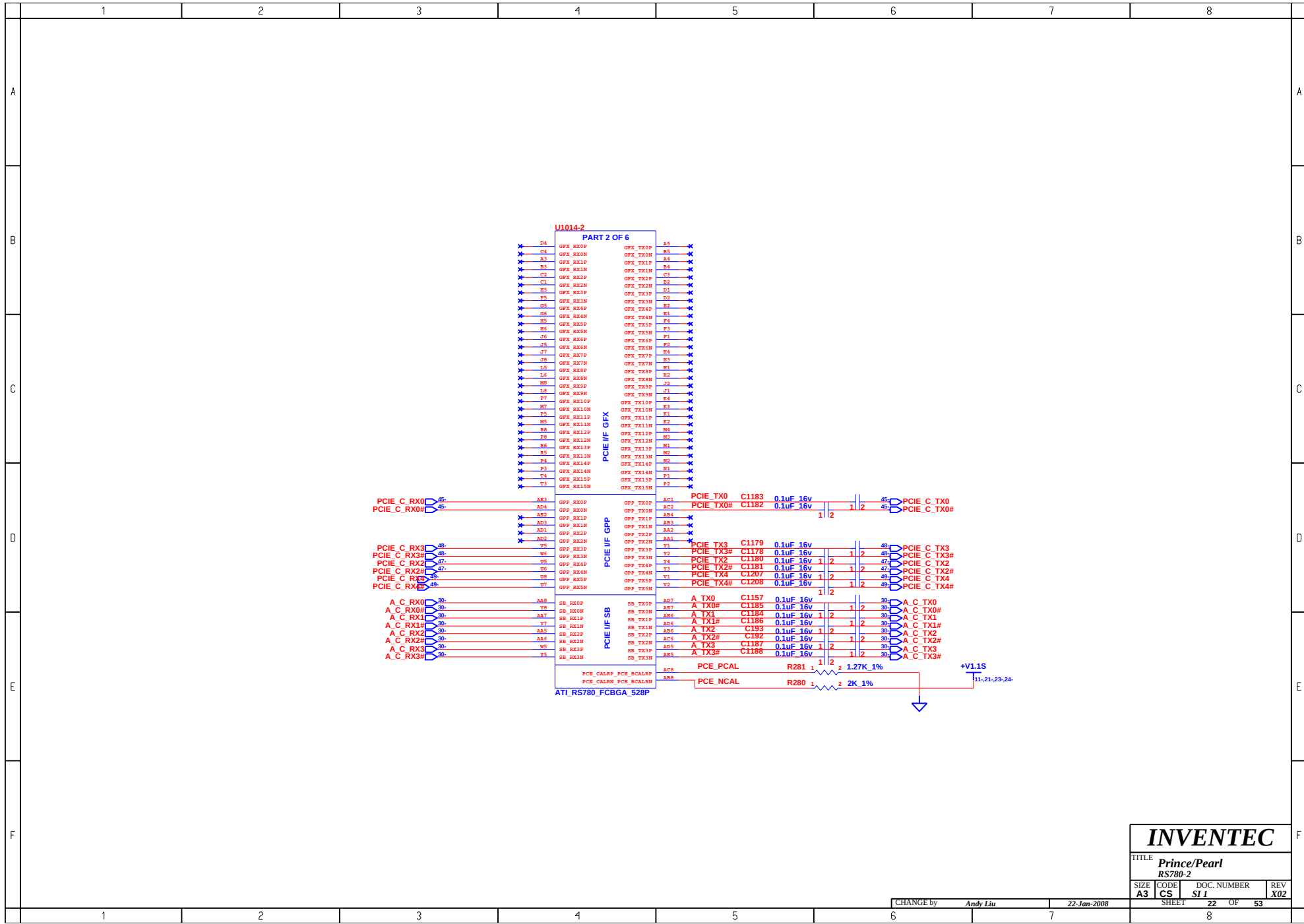
SHEET 20 OF 53



TITLE	Prince/Pearl RS780-1
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SIZE A3	CODE CS	DOC. NUMBER <i>SI 1</i>	REV X02
SHEET 21 OF 53			

CHANGE by	Andy Liu	21-Nov-2007
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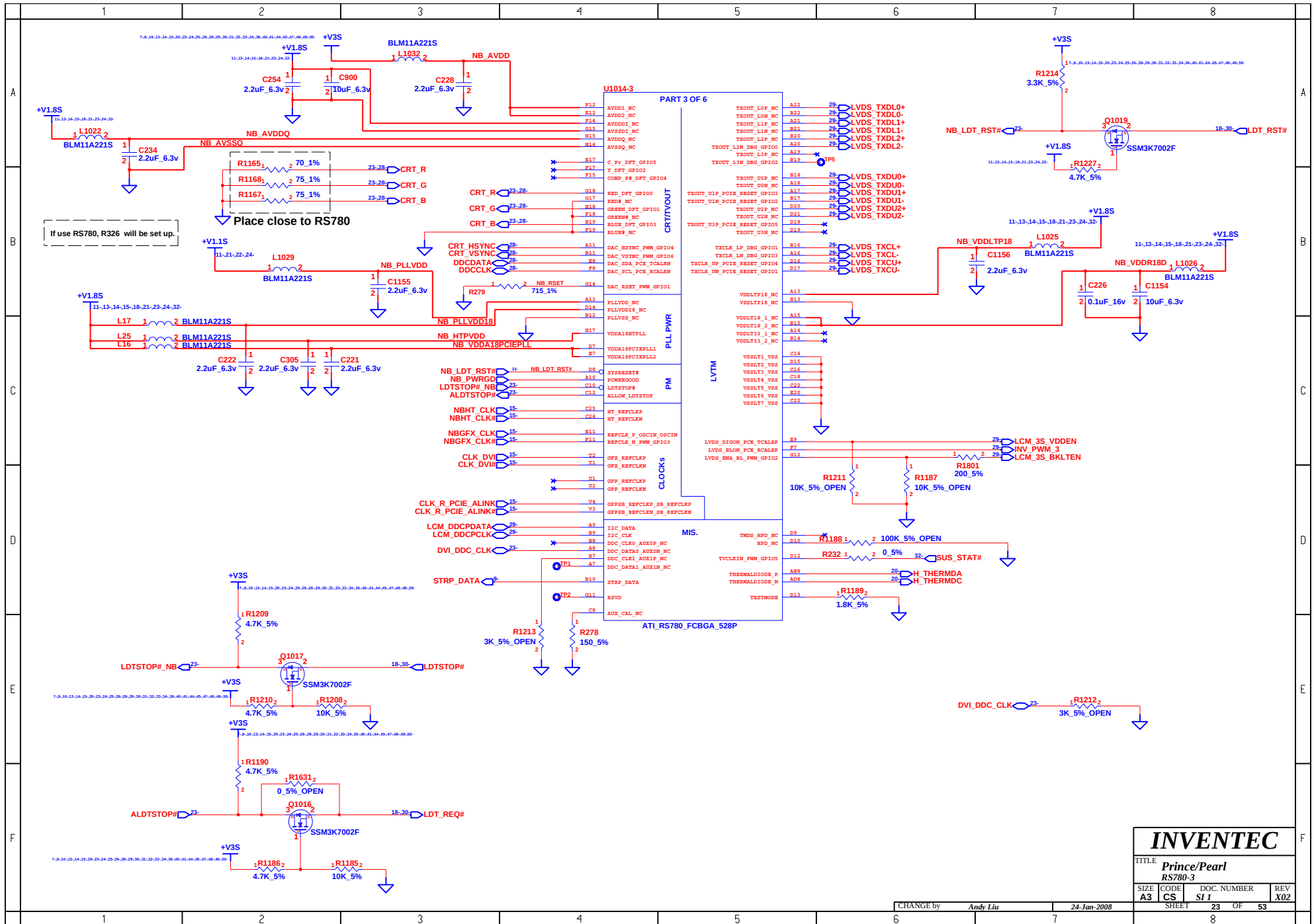
INVENTEC

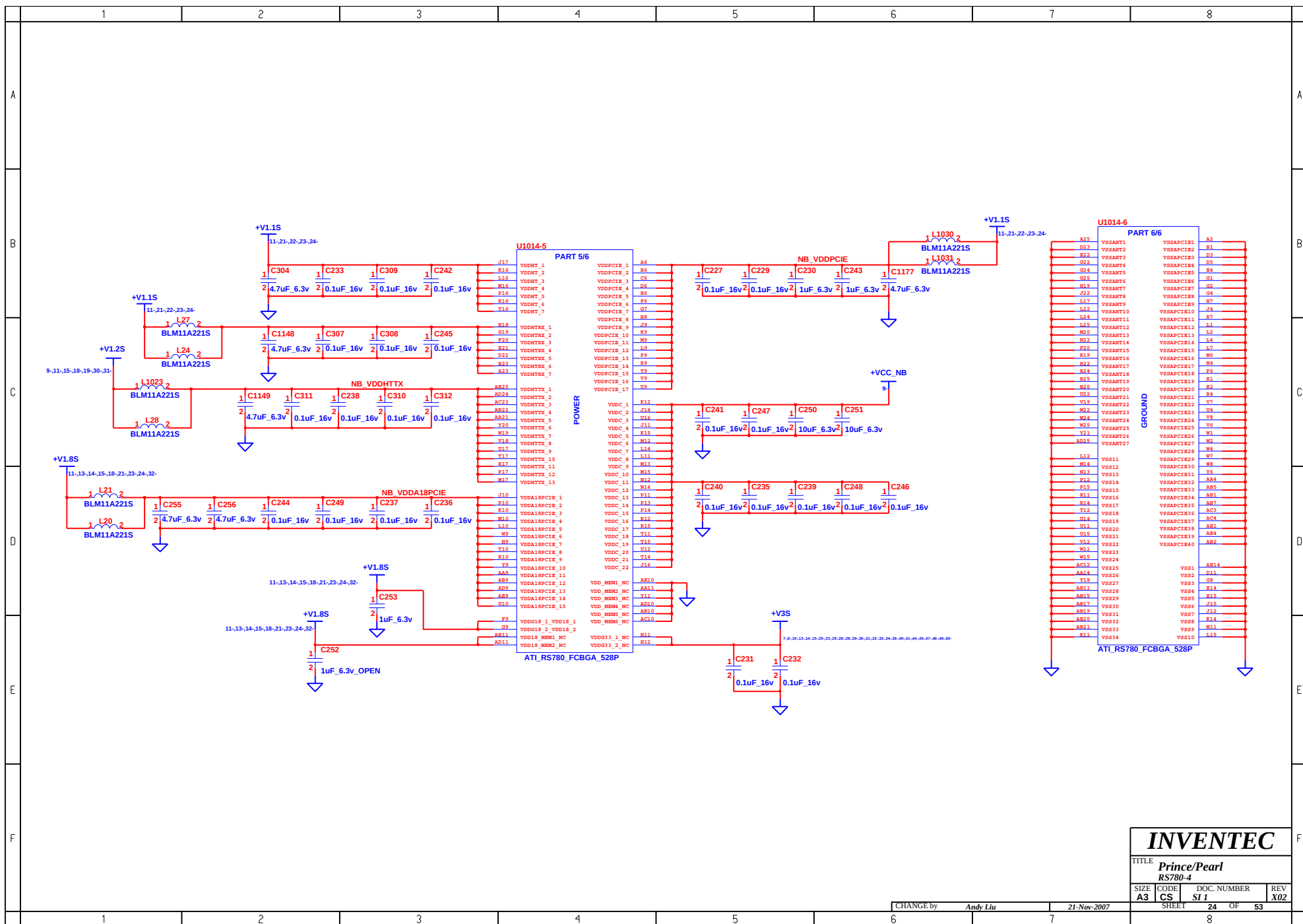
TITLE
Prince/Pearl
RS780-2

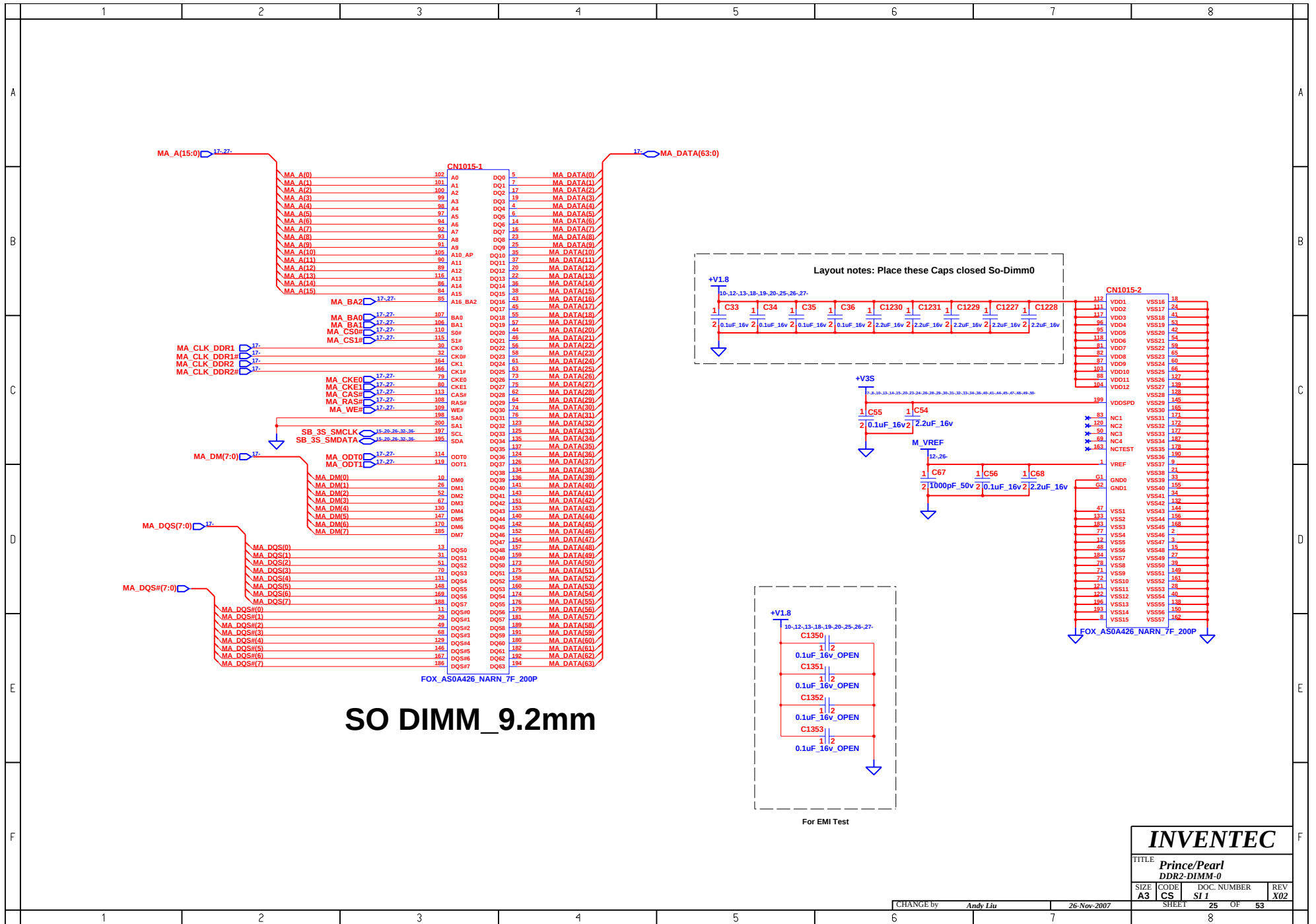
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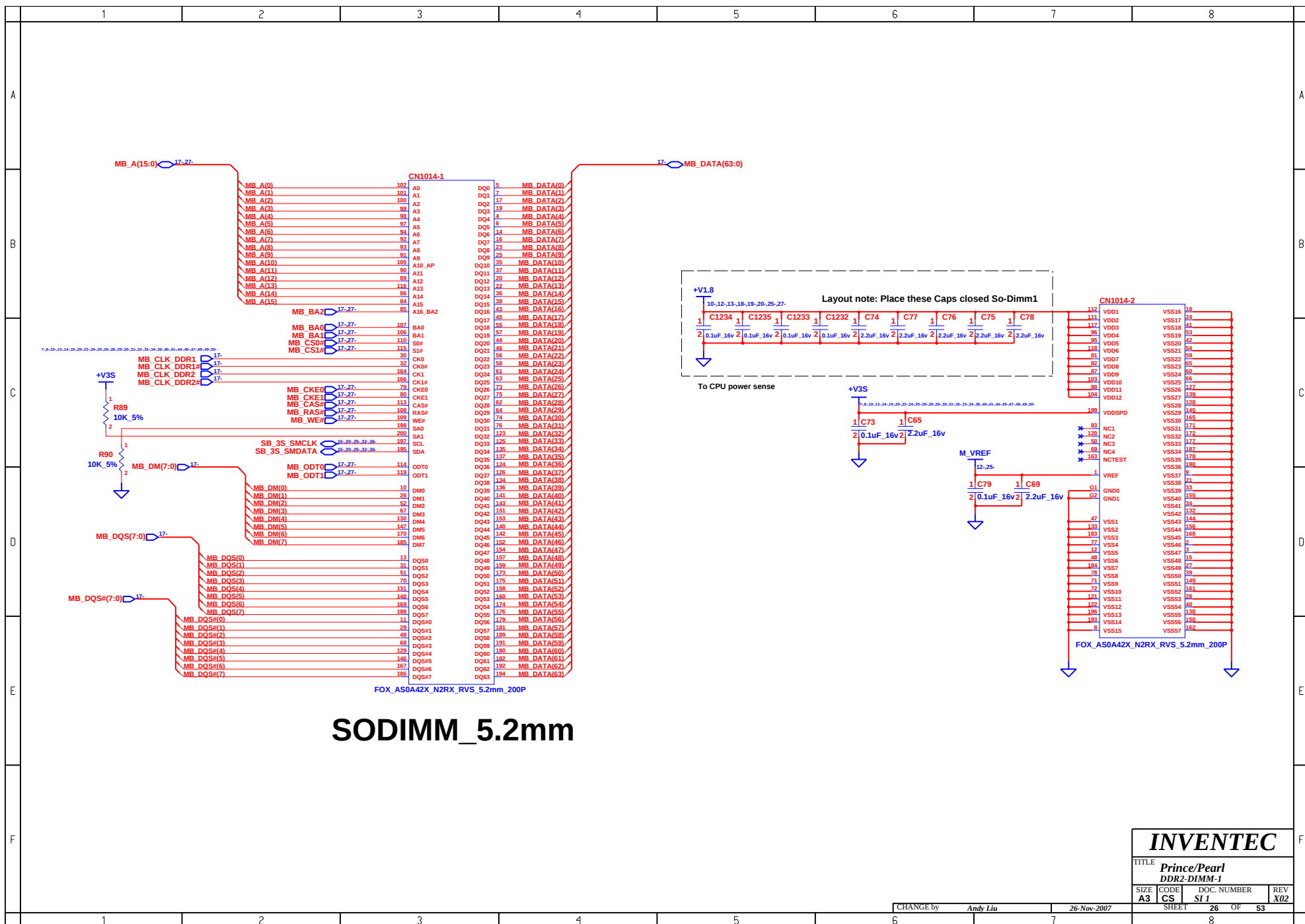
CHANGE by **Andy Liu** 22-Jan-2008

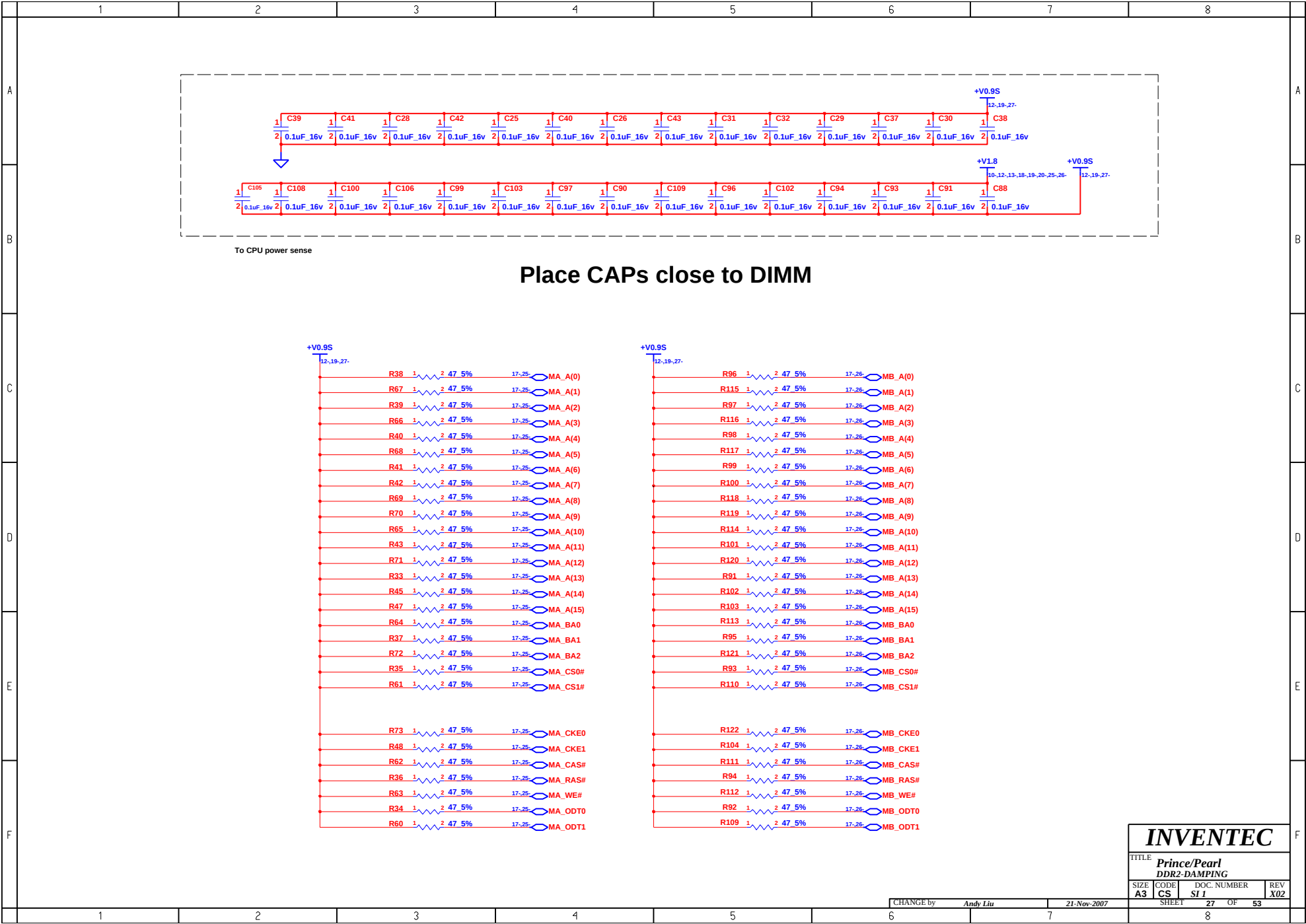
SHEET 22 OF 53

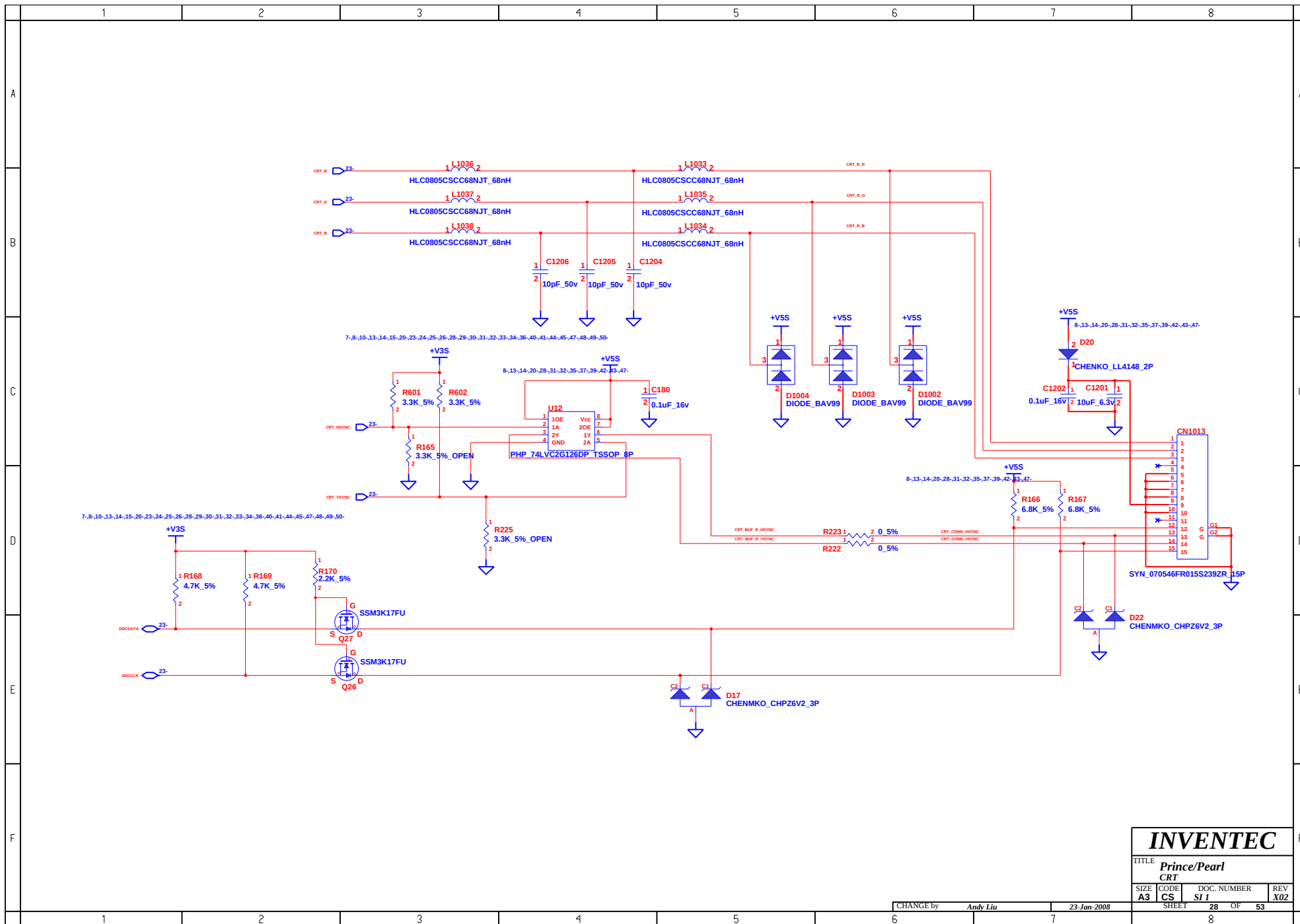




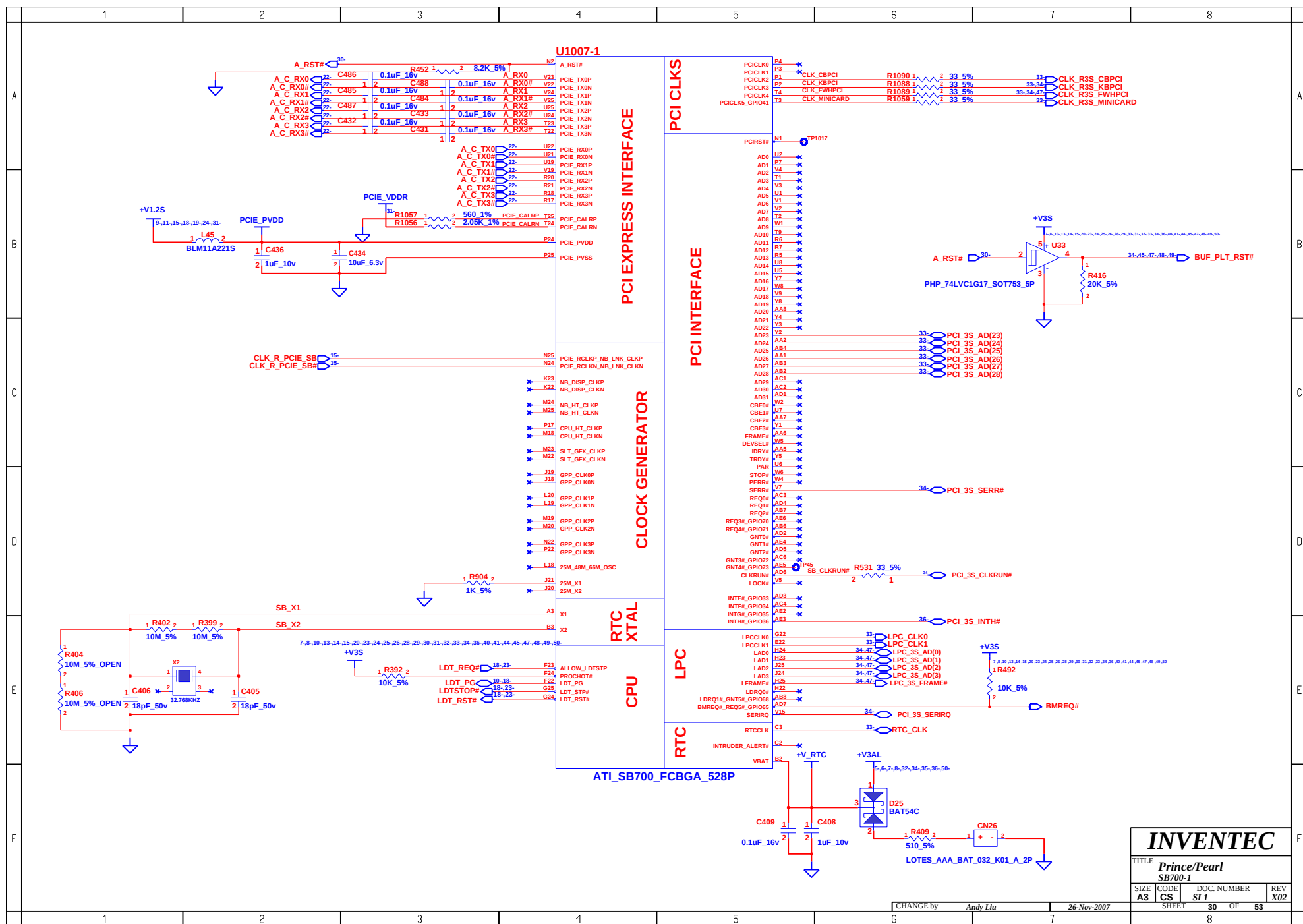


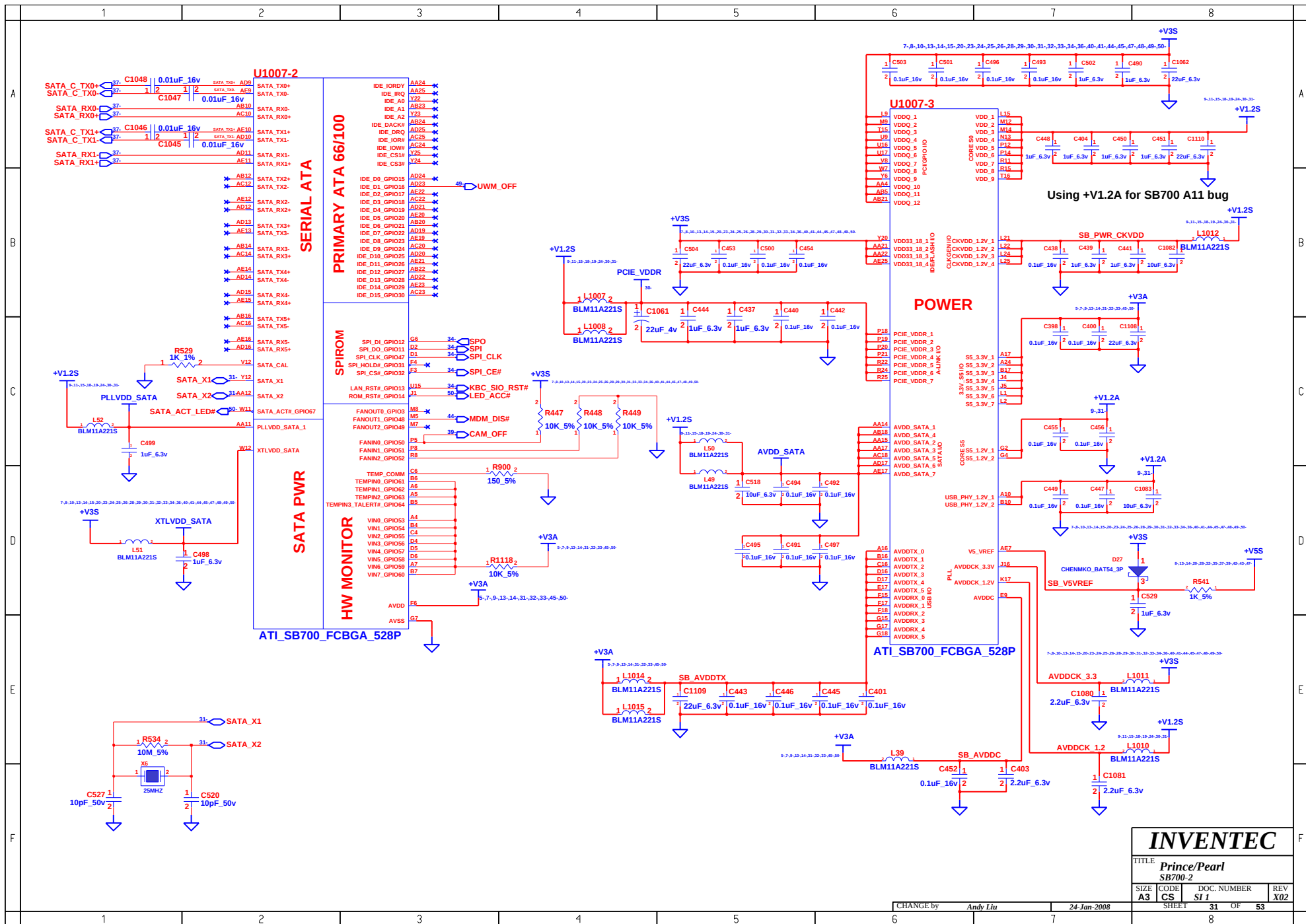


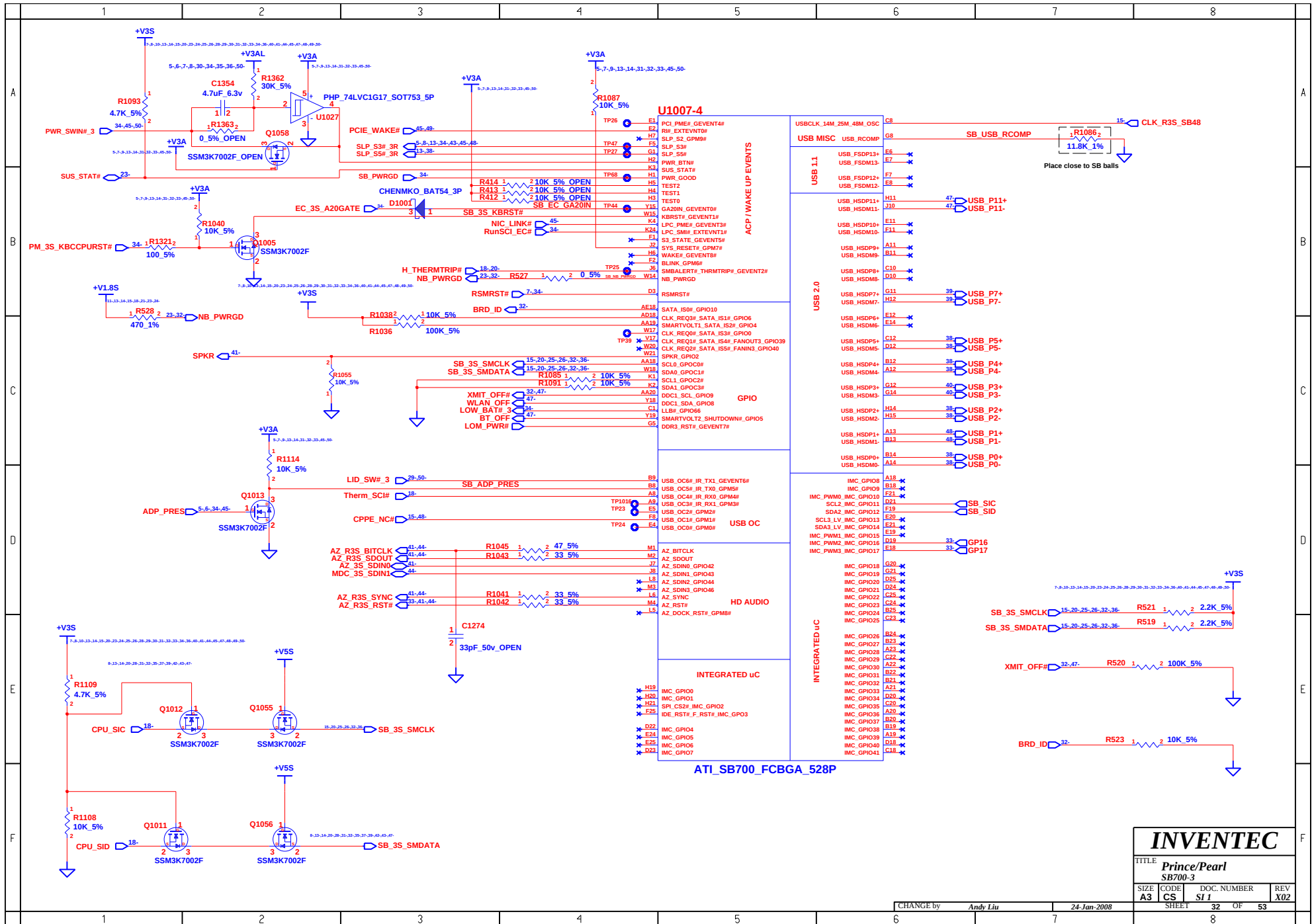




INVENTEC			
TITLE Prince/Pearl CRT			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
CHANGE by Andy Liu		23-Jan-2008	
SHEET		28 OF 53	
		8	



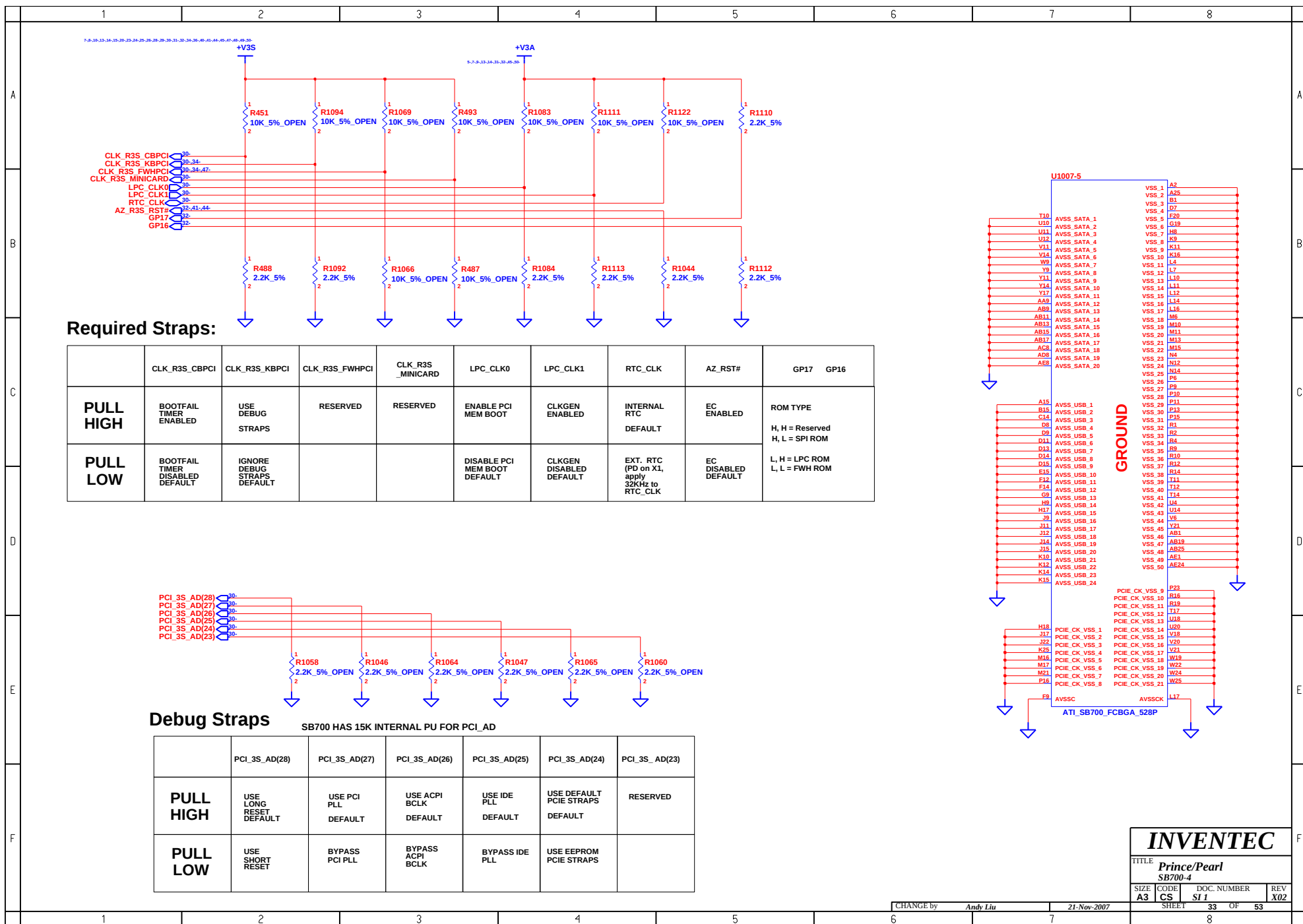


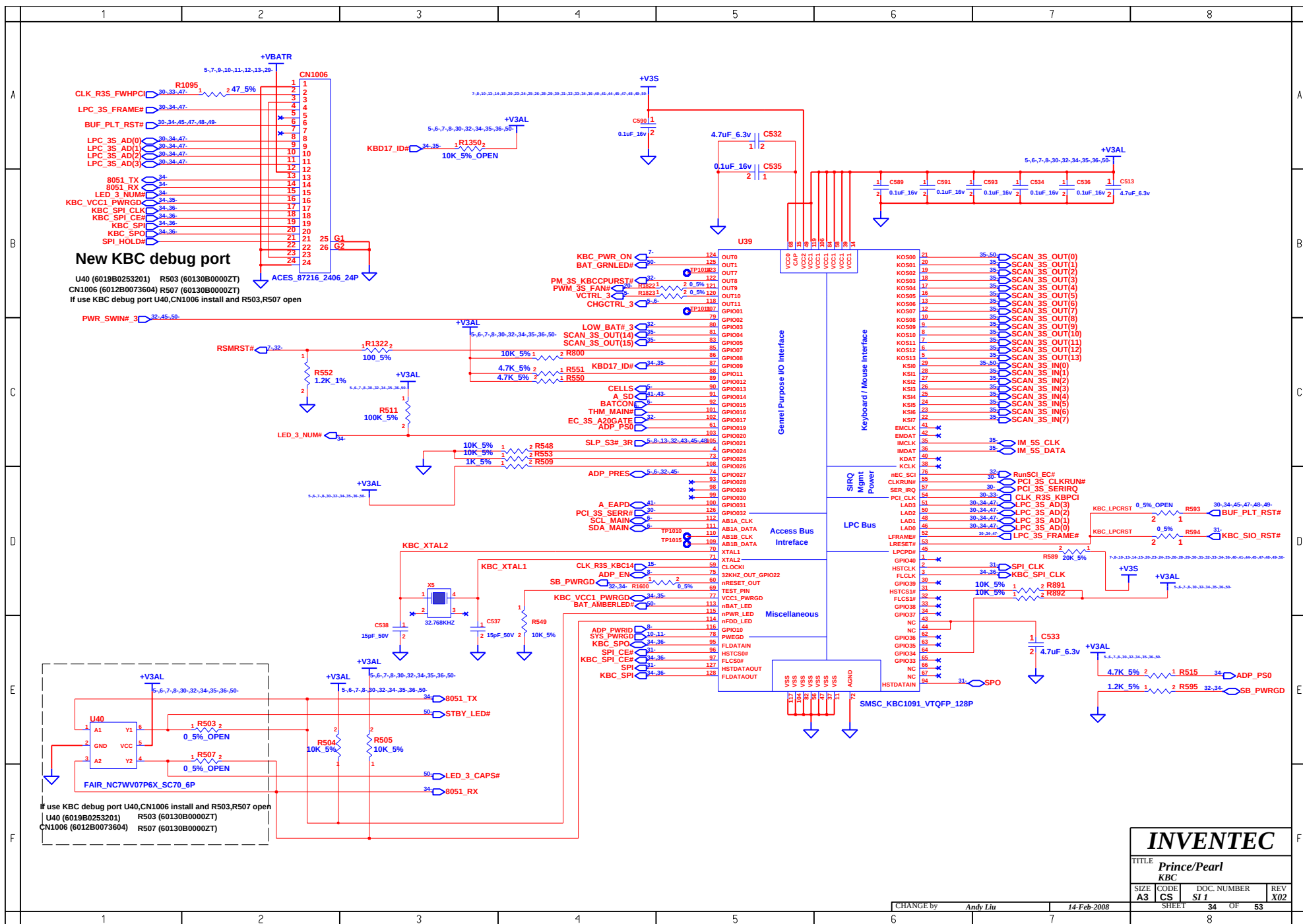


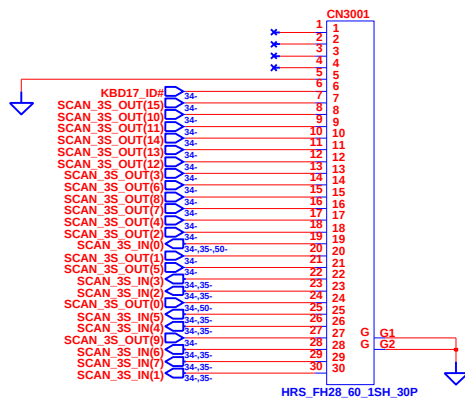
INVENTEC

TITLE Prince/Pearl SB700-3			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
SHEET 32 OF 53			

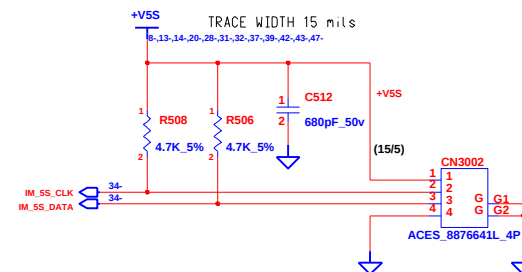
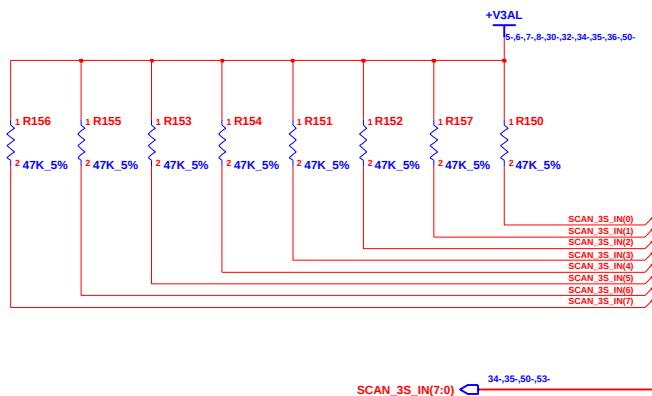
CHANGE by **Andy Liu** 24-Jan-2008



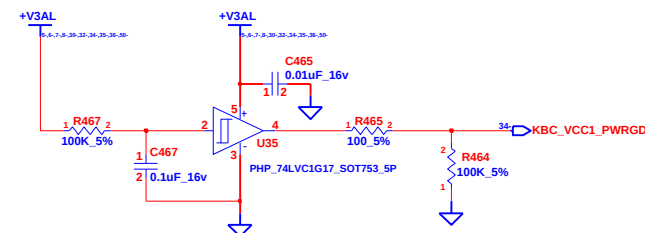




KEYBOARD CONN

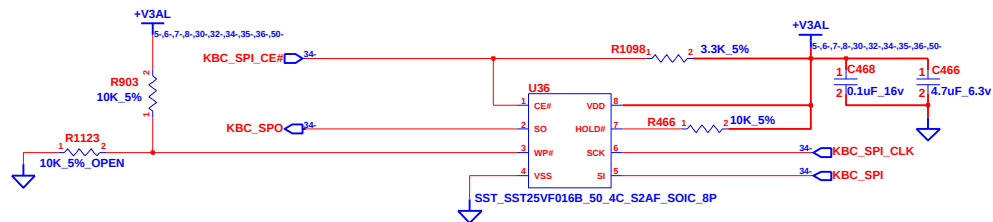


TOUCH PAD CNTR

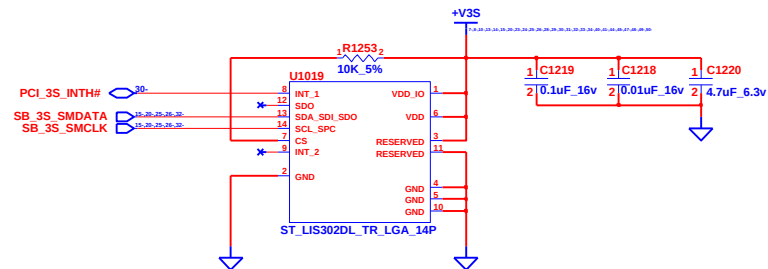


U35 should be placed close to U39.

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



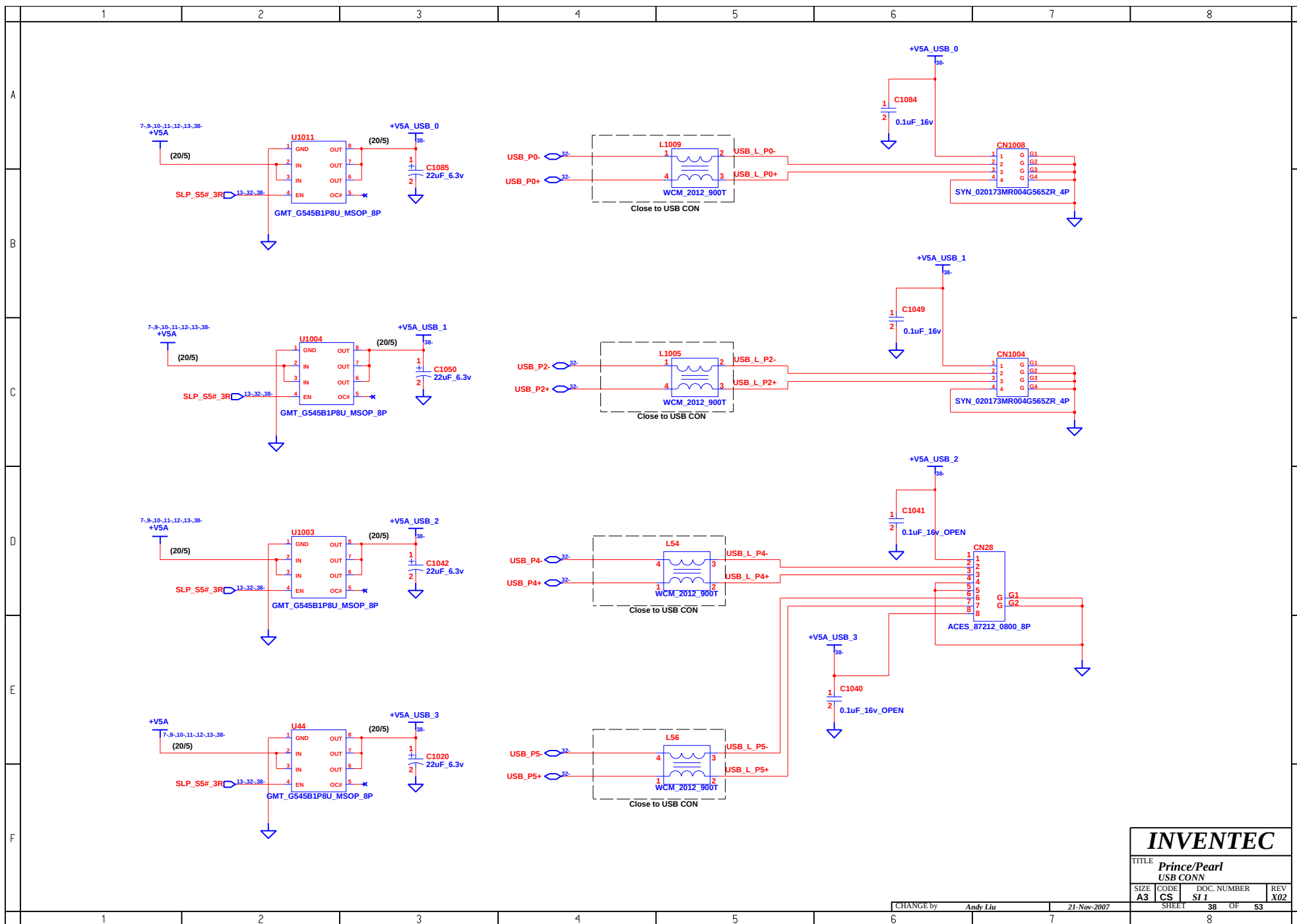
Accelerometer

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

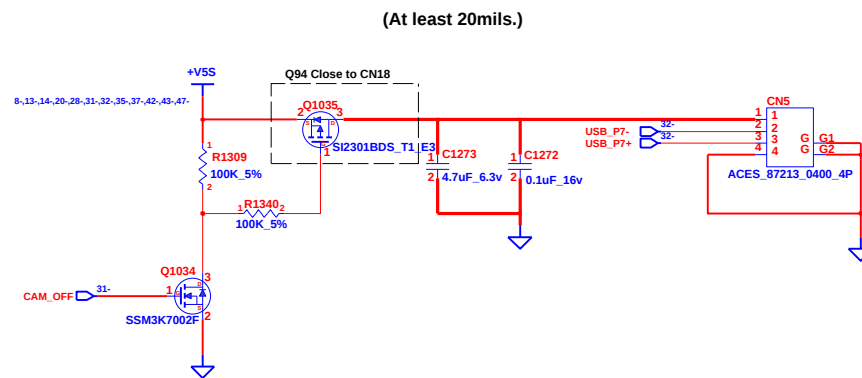


TITLE			
Prince/Pearl HDD & ODD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SI 1	X02
SHEET 37 OF 53			

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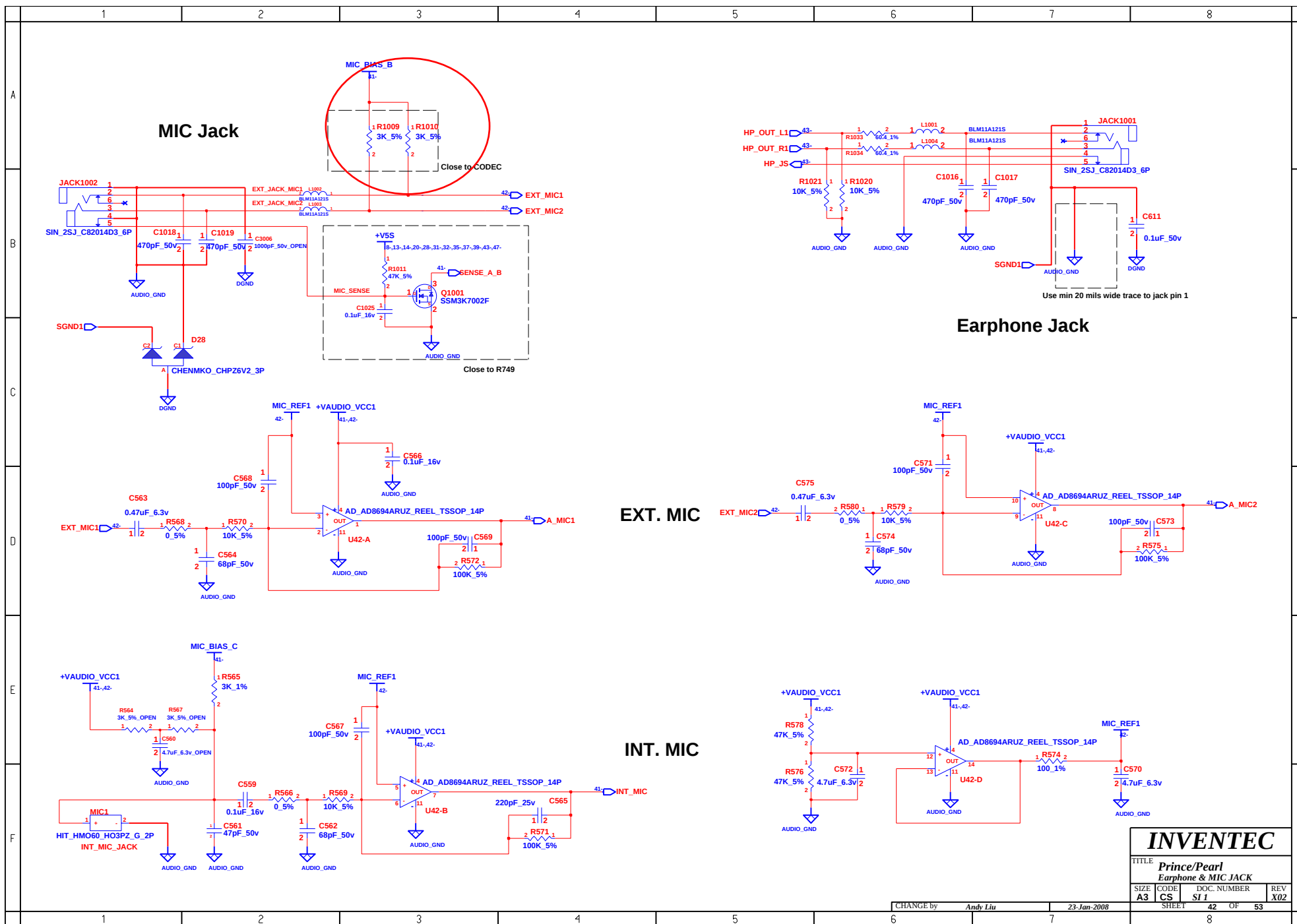


INVENTEC			
TITLE Prince/Pearl USB CONN			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
CHANGE by Andy Liu		21-Nov-2007	
SHEET		38 OF 53	

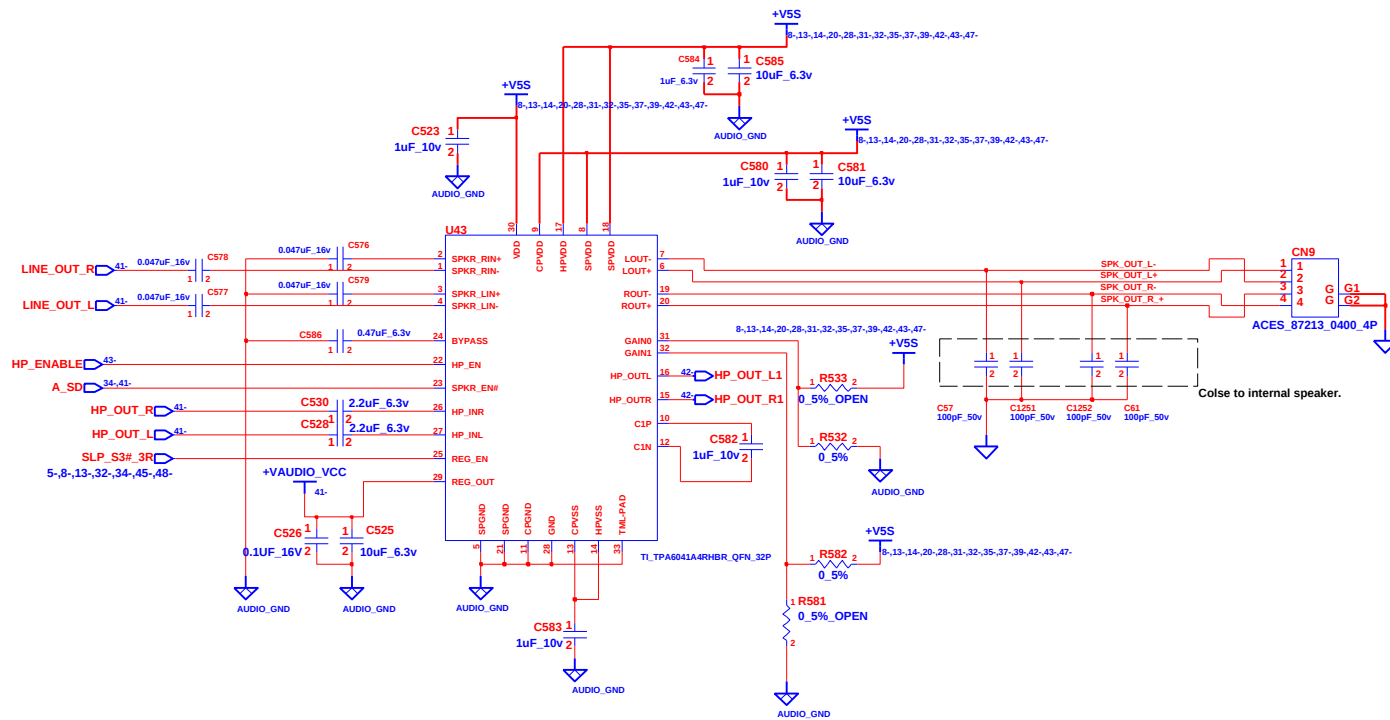


USB WEBCAM CONNECTOR

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	

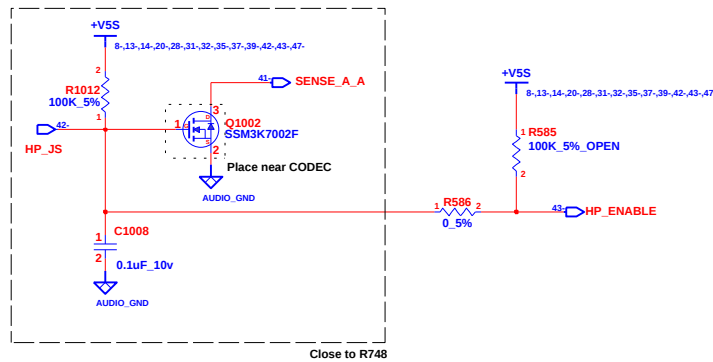


INVENTEC			
TITLE Prince/Pearl Earphone & MIC JACK			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
CHANGE by Andy Liu		23-Jan-2008	
SHEET 42		OF 53	



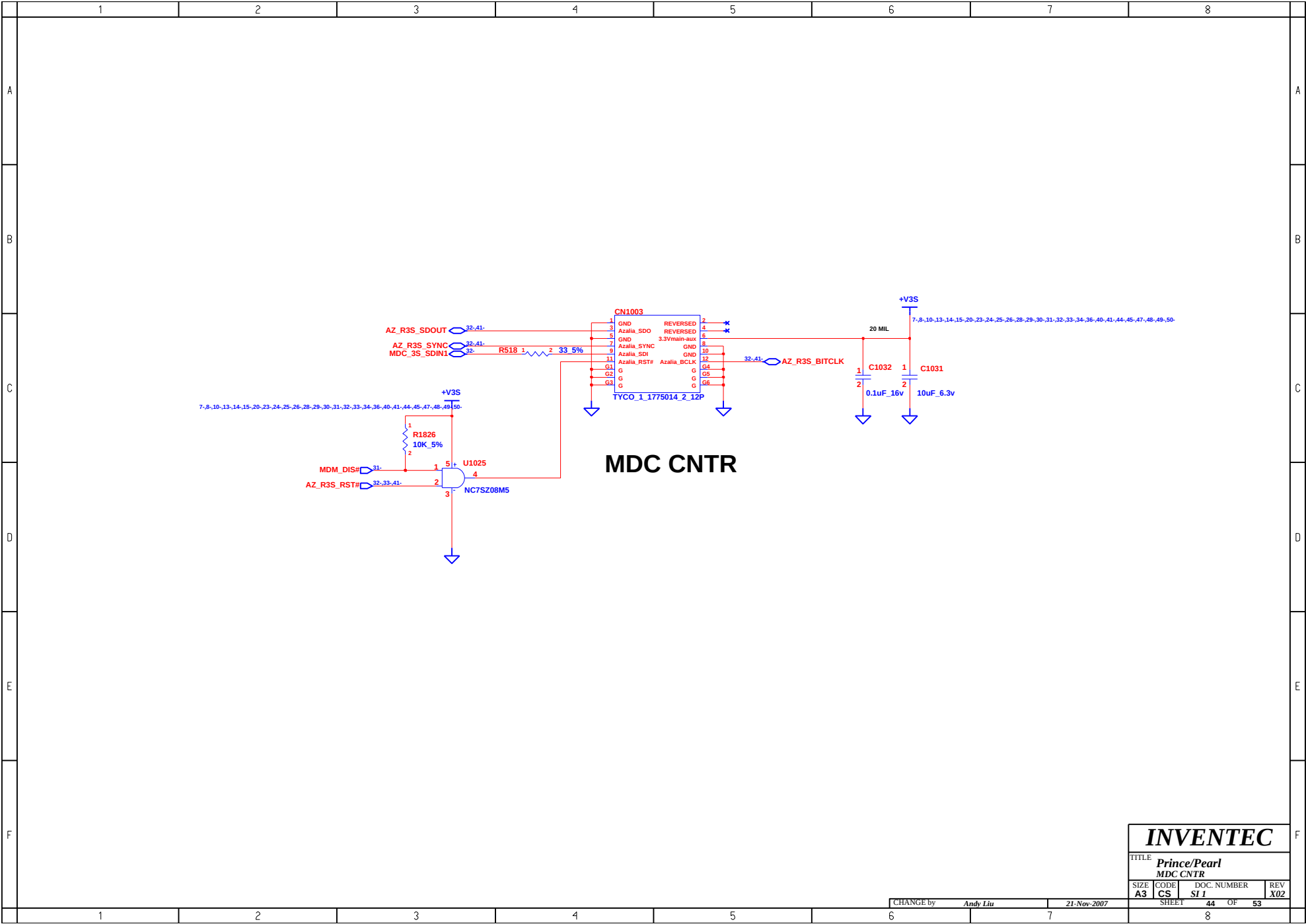
Internal Speaker

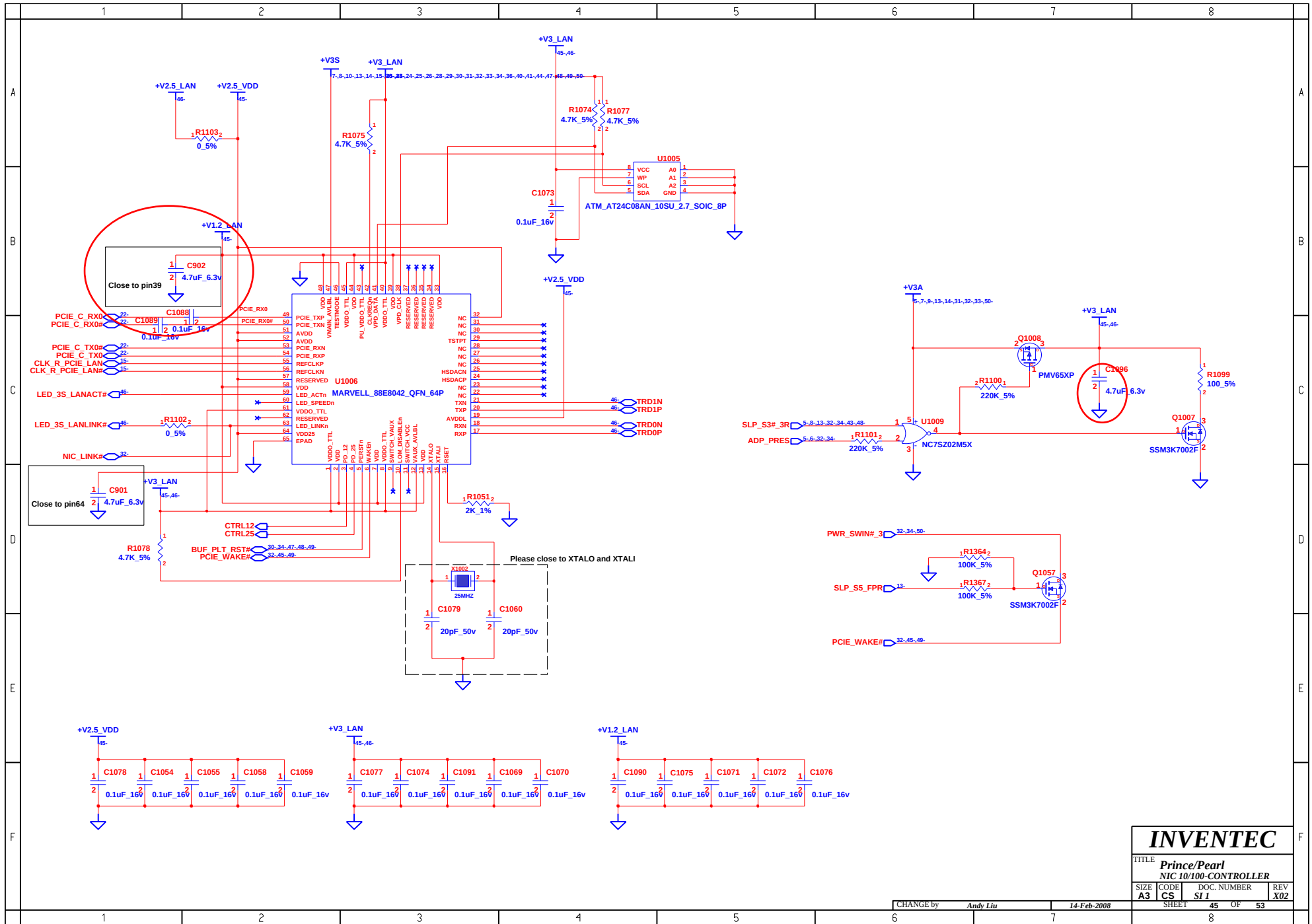
Close to internal speaker.

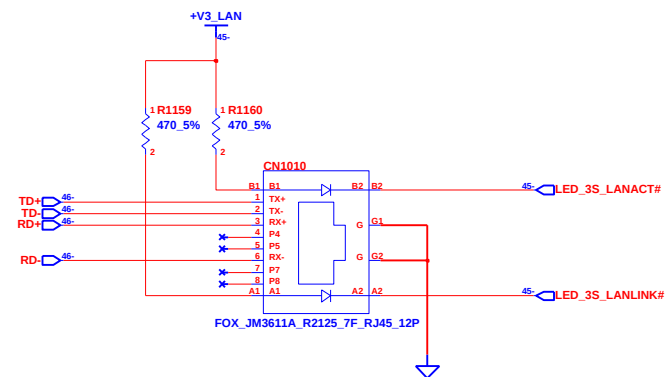
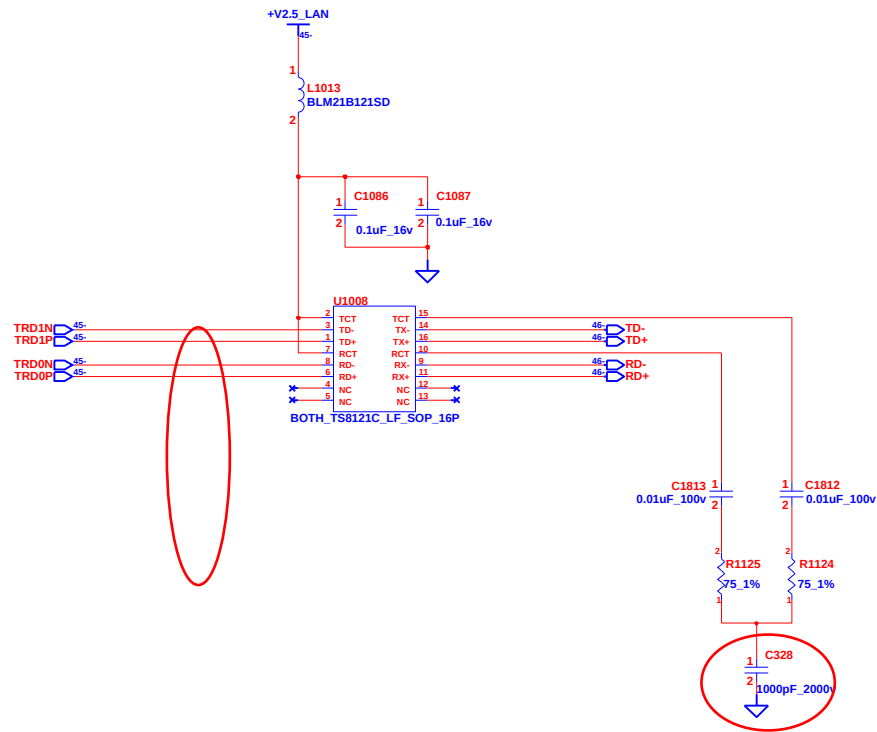


Close to R748

INVENTEC			
TITLE Prince/Pearl AUDIO AMP & HP JACK			
SIZE A3	CODE CS	DOC. NUMBER S11	REV X02
CHANGE by Andy Liu		21-Nov-2007	
SHEET 43		OF 53	



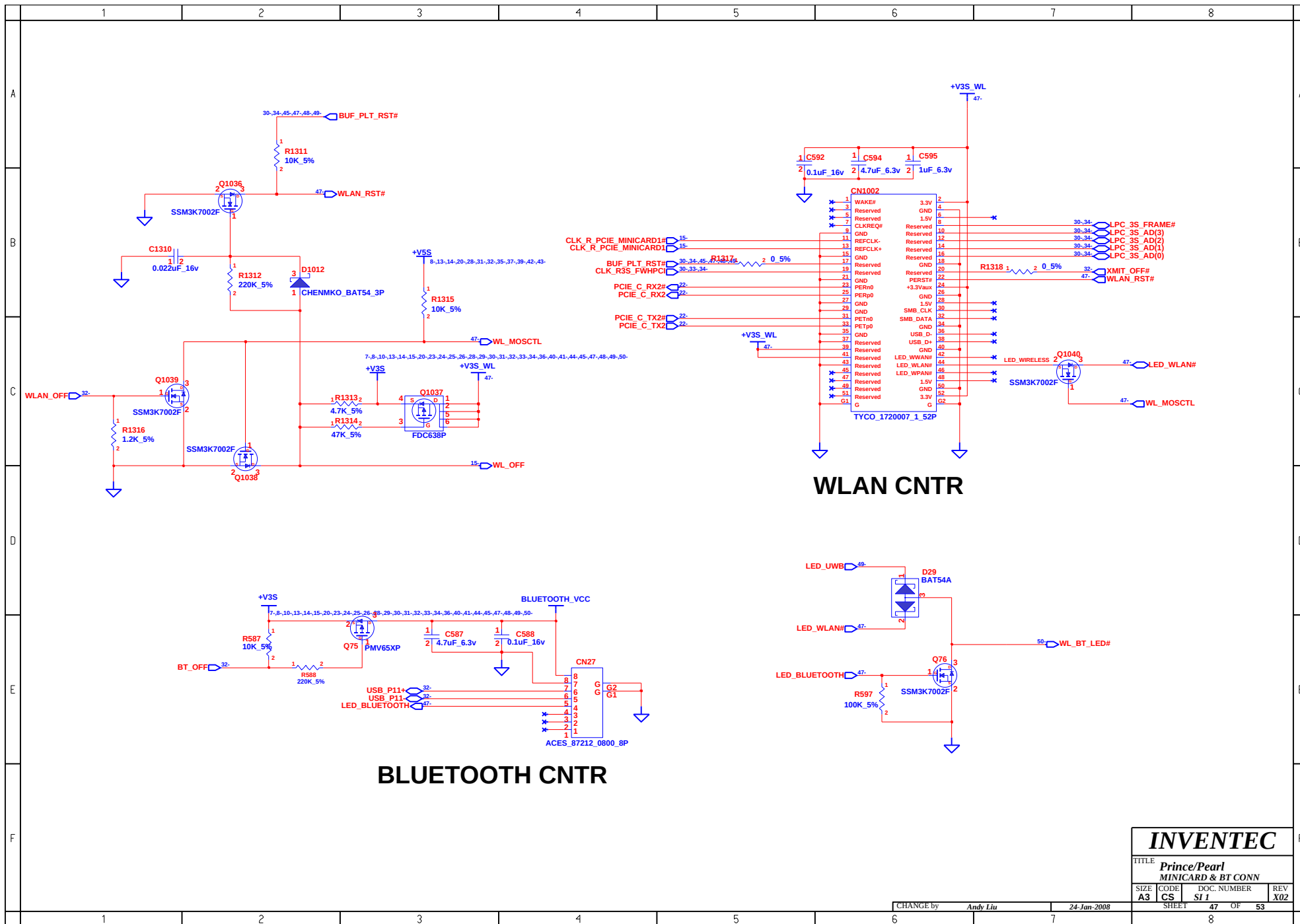


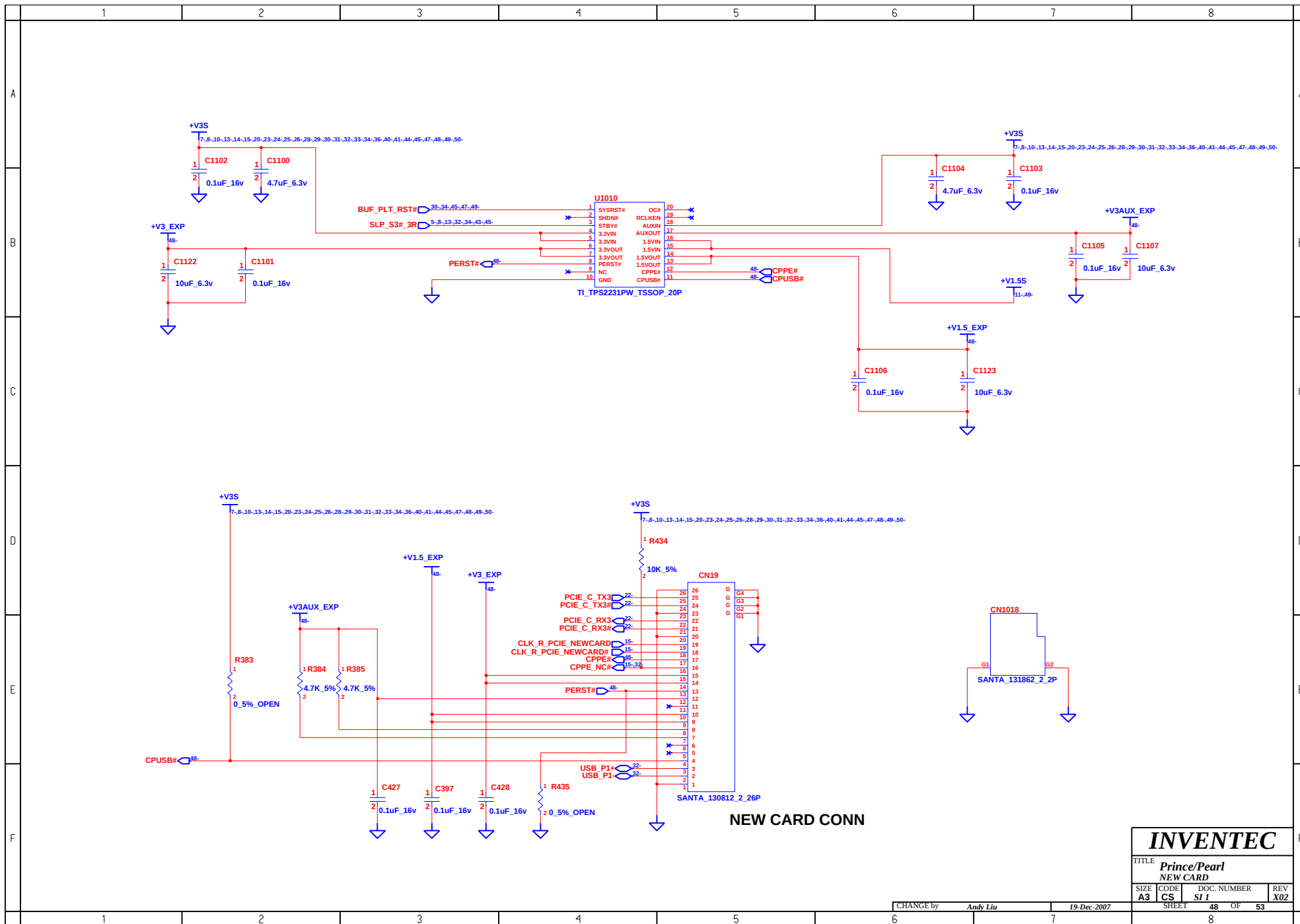


INVENTEC			
TITLE Prince/Pearl NIC 10/100-RJ45 CONN			
SIZE A3	CODE CS	DOC. NUMBER S11	REV X02
SHEET 46		OF 53	

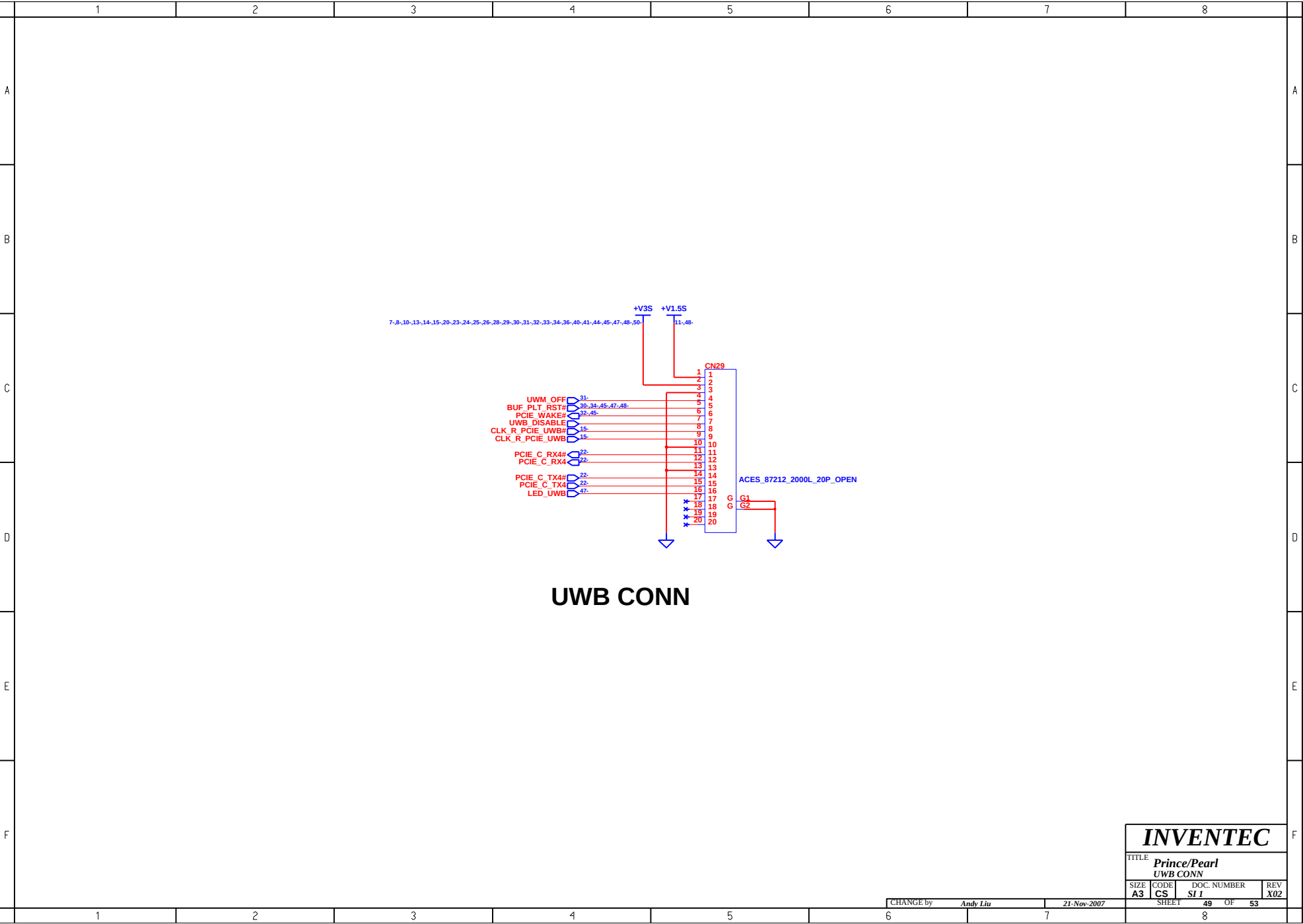
CHANGE by Andy Liu 4-Feb-2008

8





INVENTEC			
TITLE Prince/Pearl NEW CARD			
SIZE A3	CODE CS	DOC. NUMBER SI 1	REV X02
CHANGE by Andy Liu		19-Dec-2007	
SHEET 48		OF 53	



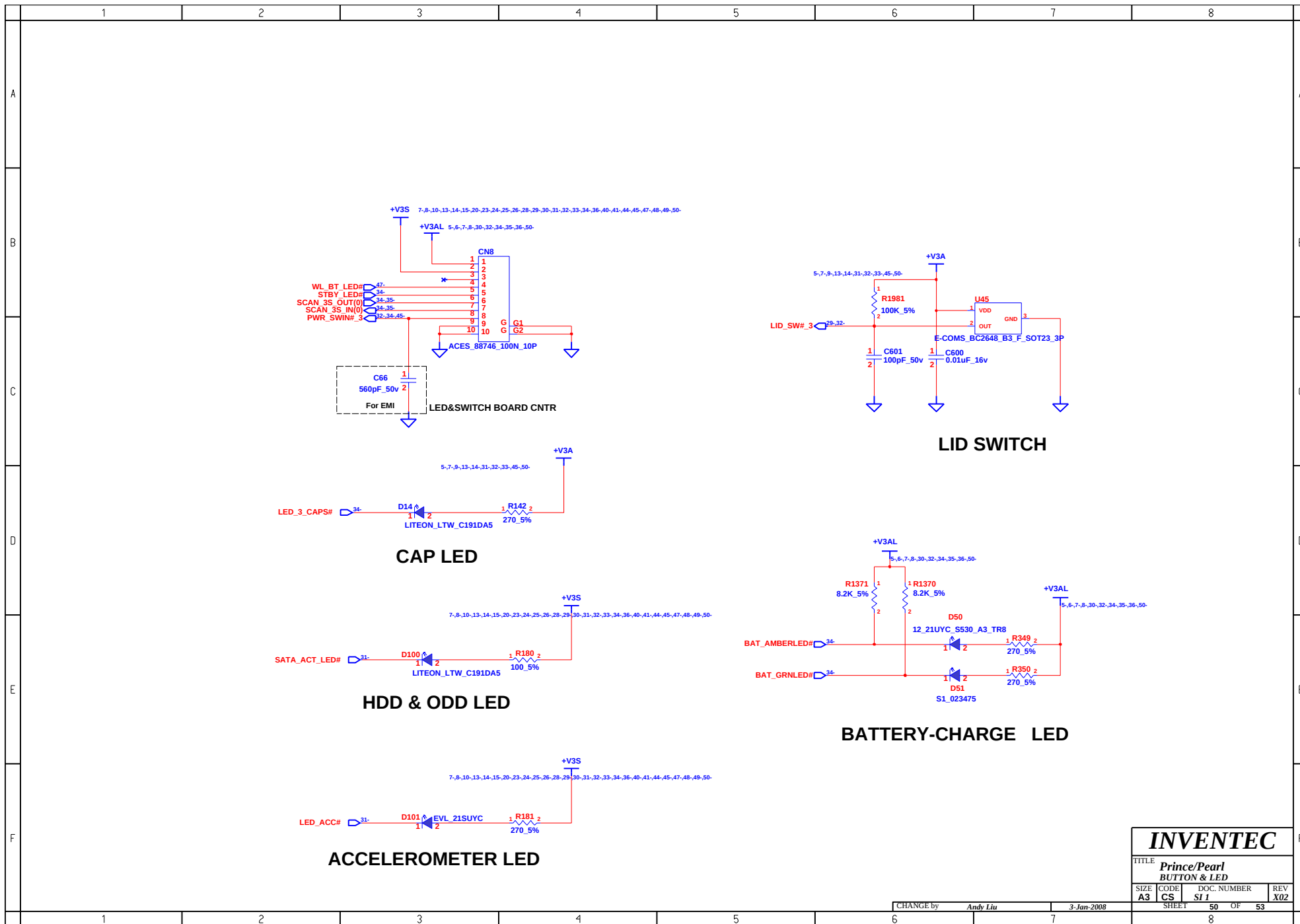
UWB CONN

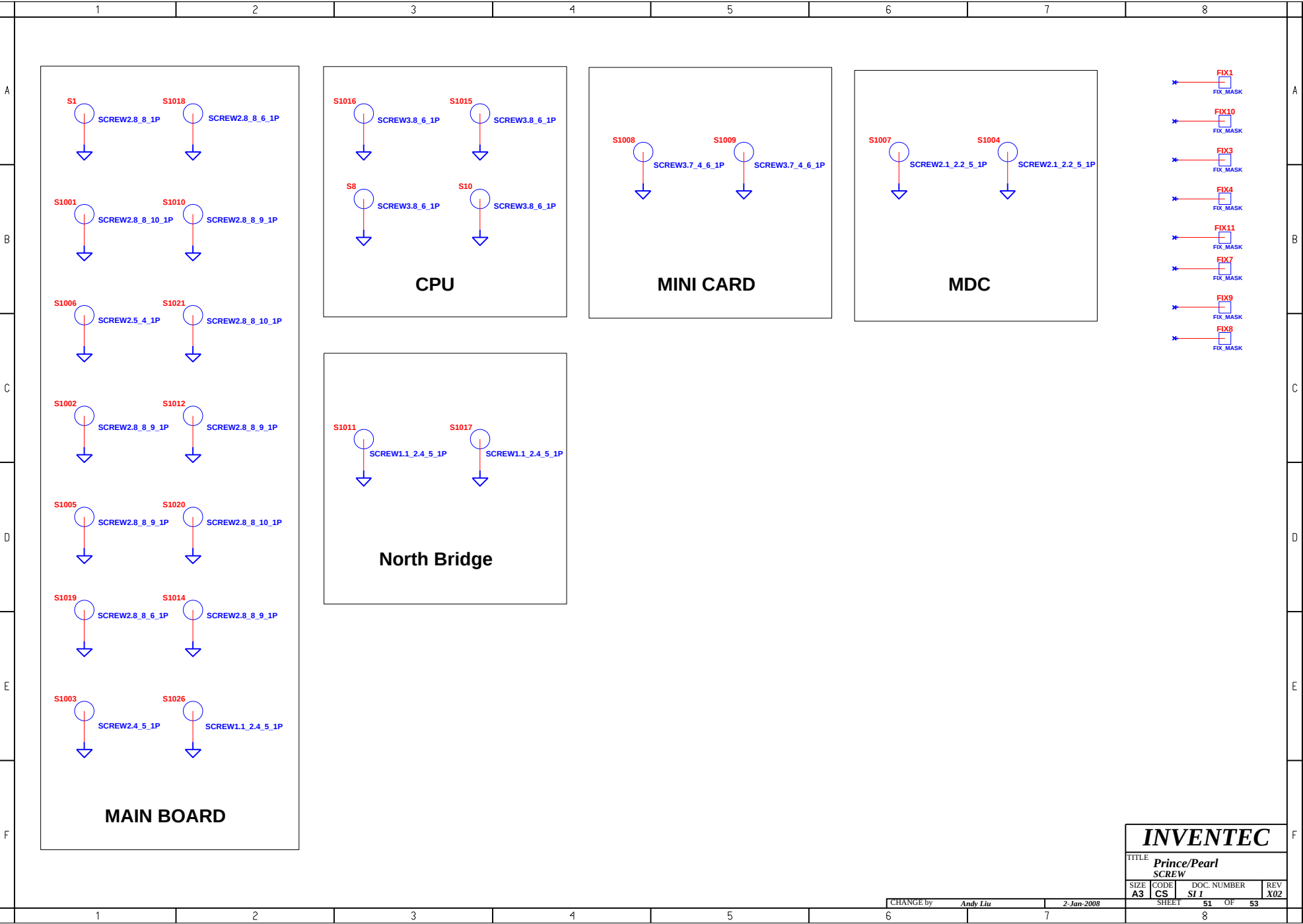
INVENTEC

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

CHANGE by Andy Liu 21-Nov-2007

SHEET 49 OF 53





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

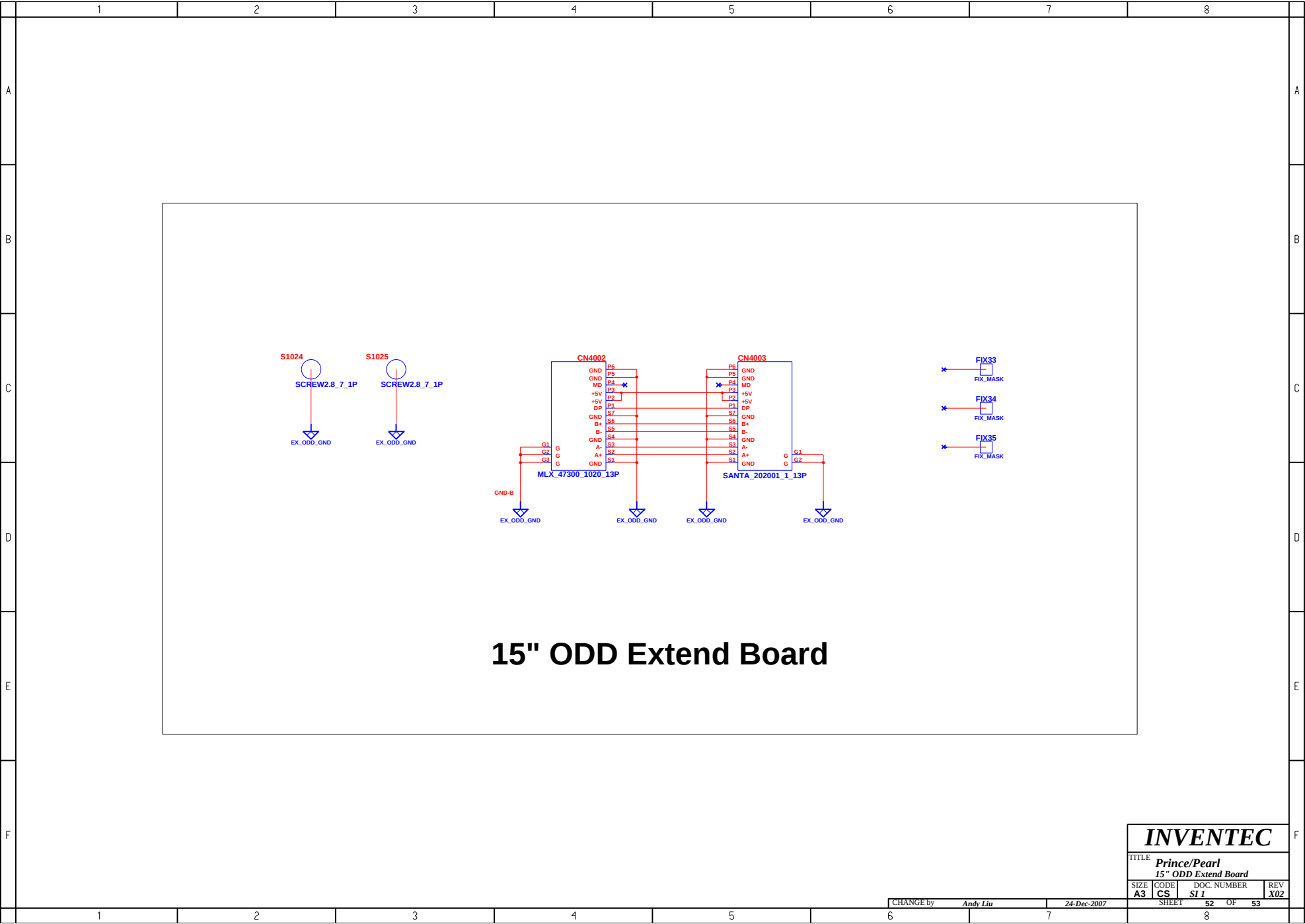
FIX8

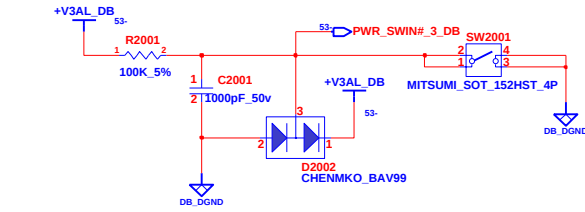
FIX_MASK

INVENTEC

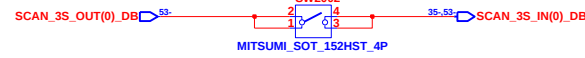
TITLE			
Prince/Pearl SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	S11	X02

CHANGE by	Andy Liu	2-Jan-2008
SHEET	51	OF 53

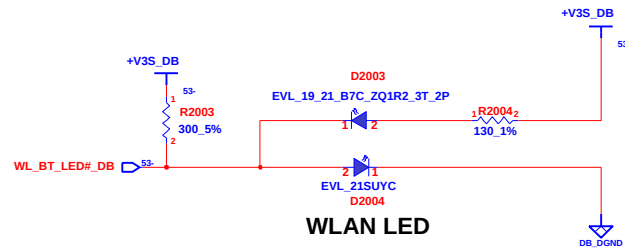




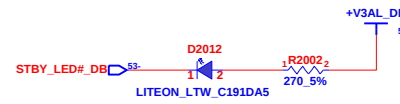
POWER BUTTON



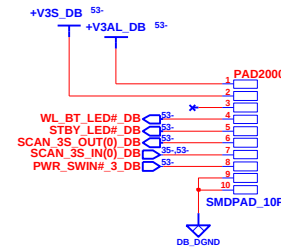
WIRELESS BUTTON



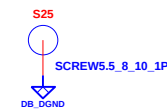
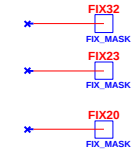
WLAN LED



POWER / STANDBY LED



LED&SWITCH BOARD



INVENTEC			
TITLE Prince/Pearl SWITCH Board			
SIZE A3	CODE CS	DOC. NUMBER S11	REV X02
CHANGE by Andy Liu		27-Nov-2007	
SHEET 53		OF 53	