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A	WWW.AliSaler.Com								A																																																																													
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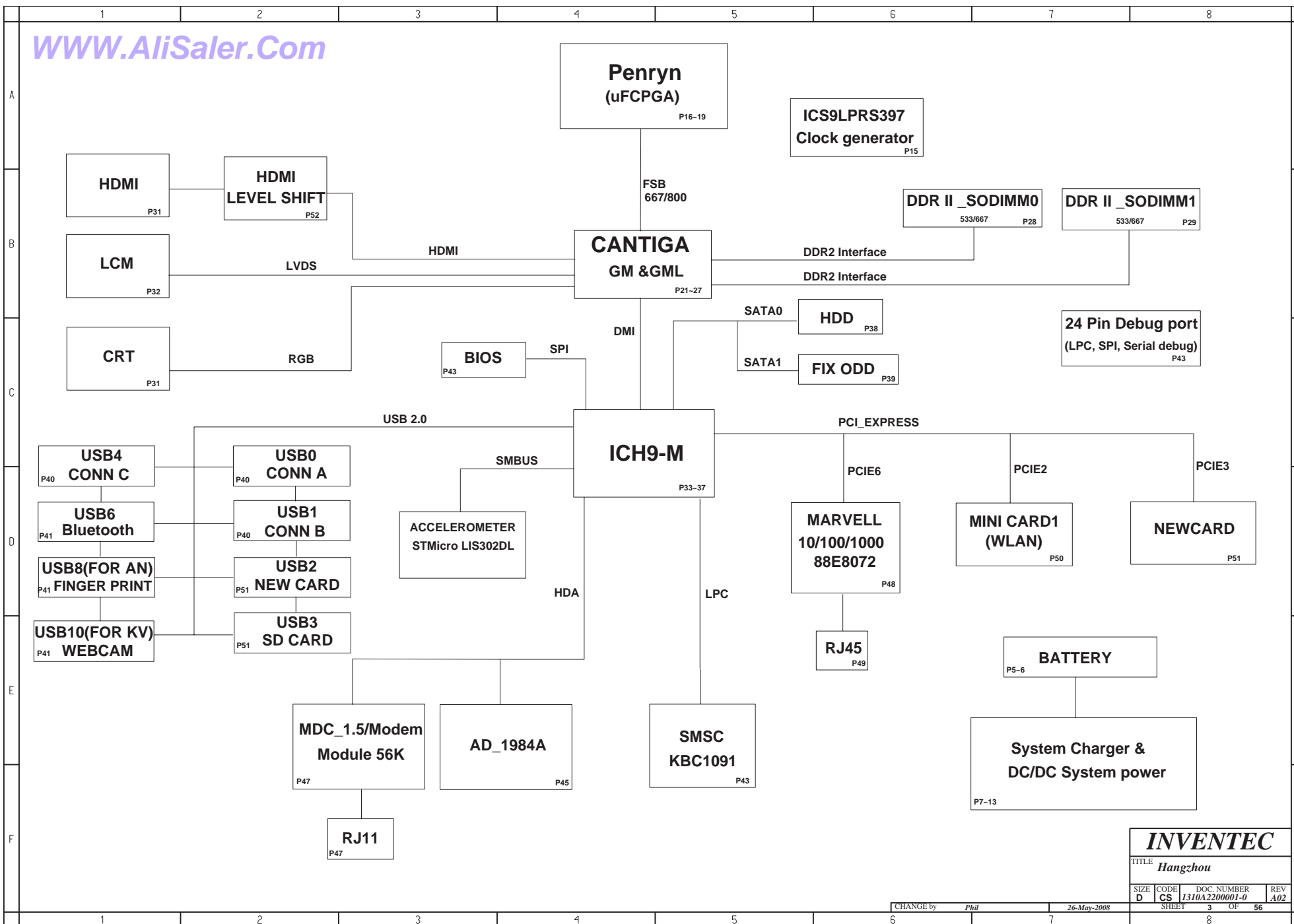
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INVENTEC

TITLE *Hangzhou*

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CHANGE by *Phil* 26-May-2008



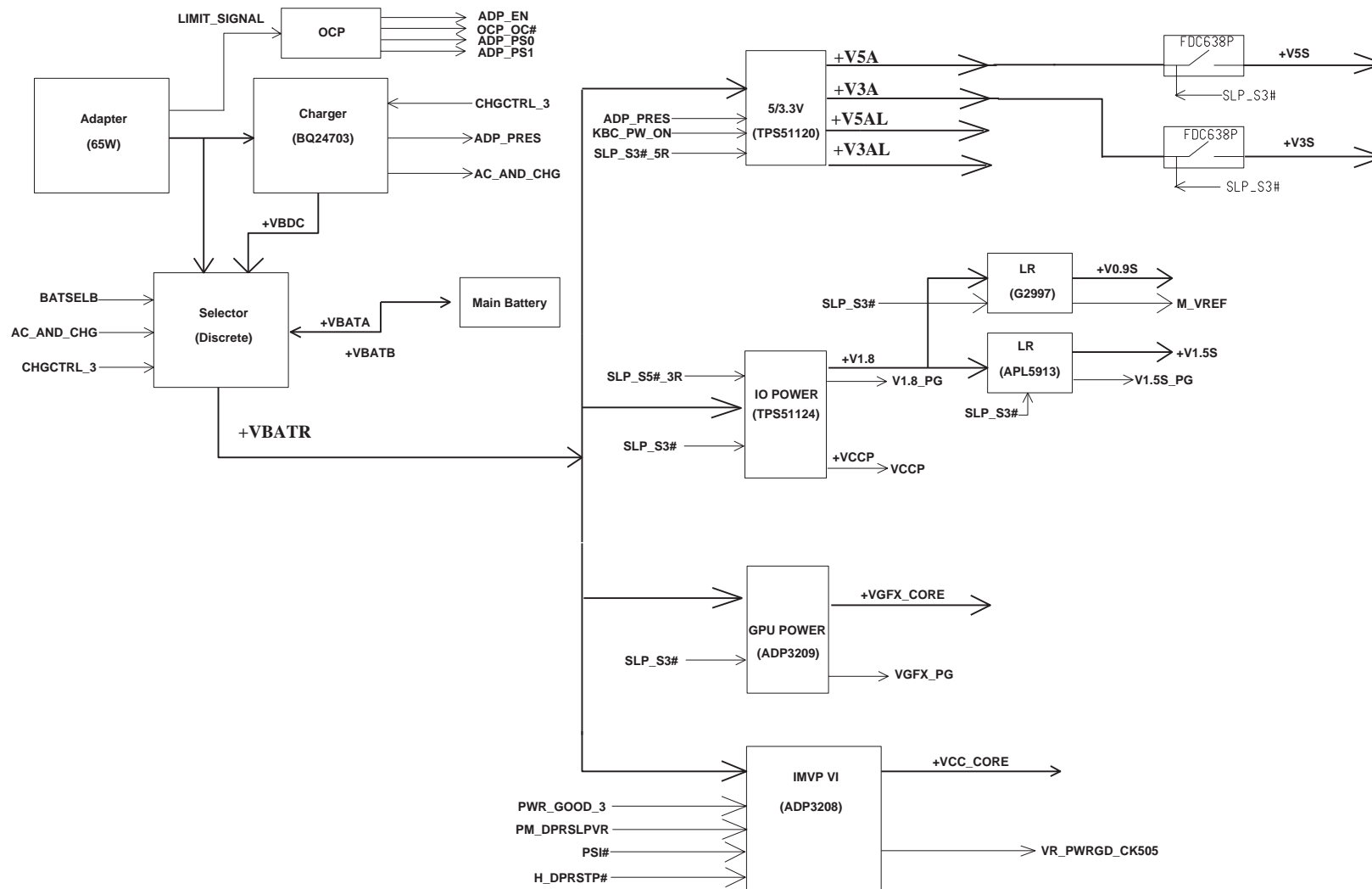
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TITLE
Hangzhou

SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
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CHANGE by Phil 26-May-2008

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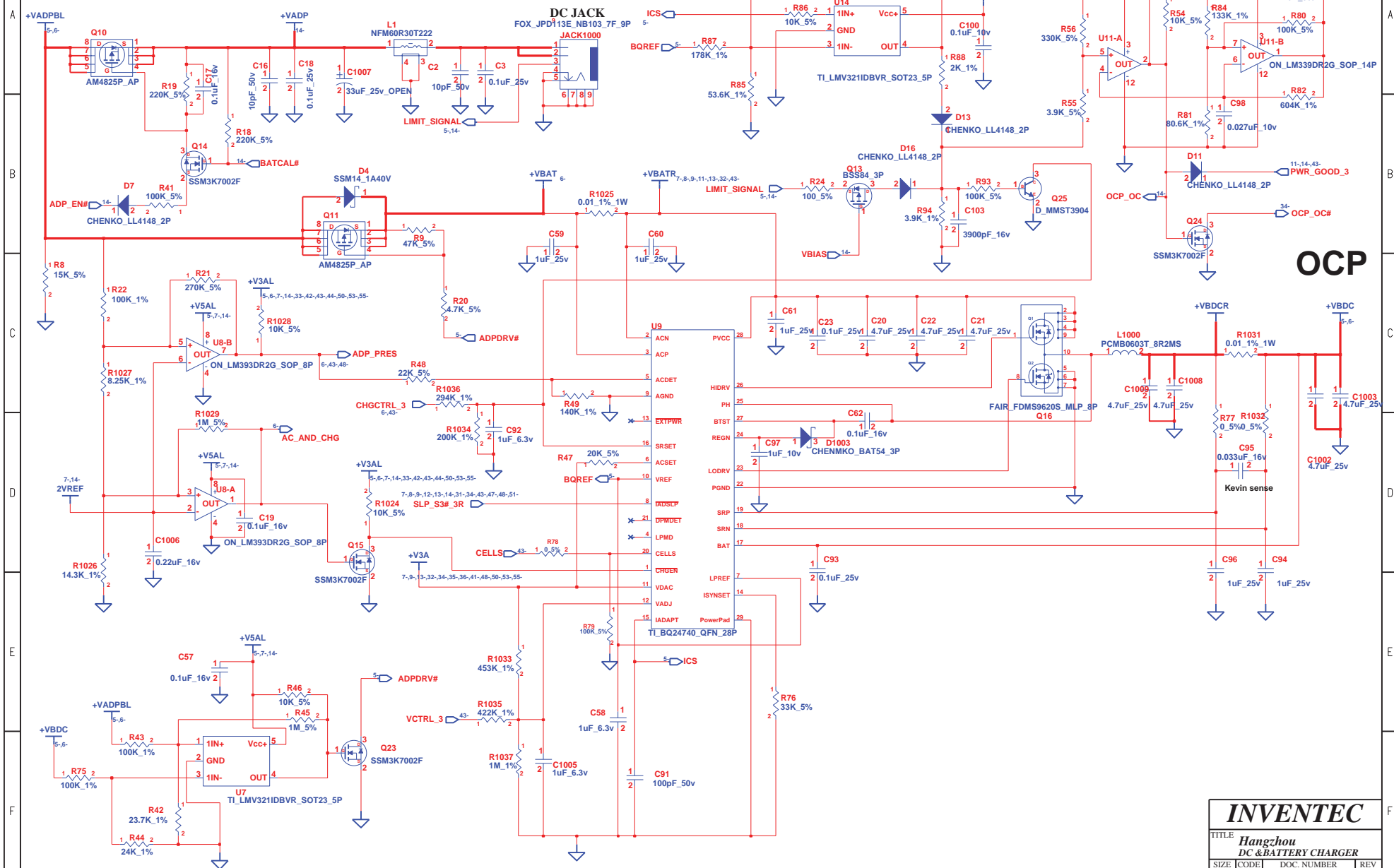
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TITLE
Hangzhou

SIZE D CODE CS 1310A2200001-0 REV A02

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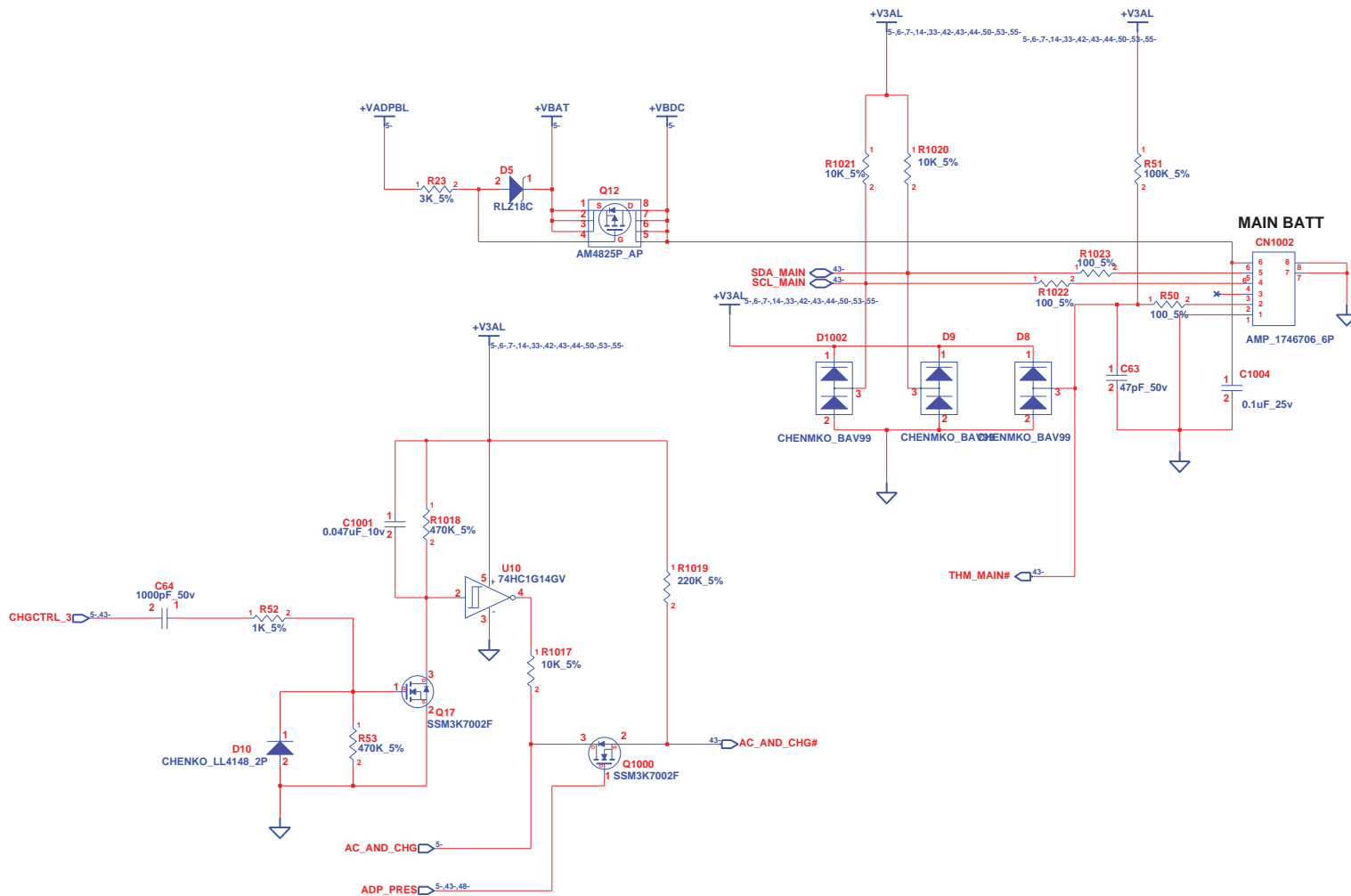
CHANGE by Phil 26-May-2008



INVENTEC

TITLE Hangzhou DC & BATTERY CHARGER			
SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
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CHANGE by Phil 29-May-2008



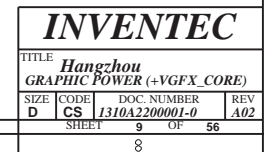
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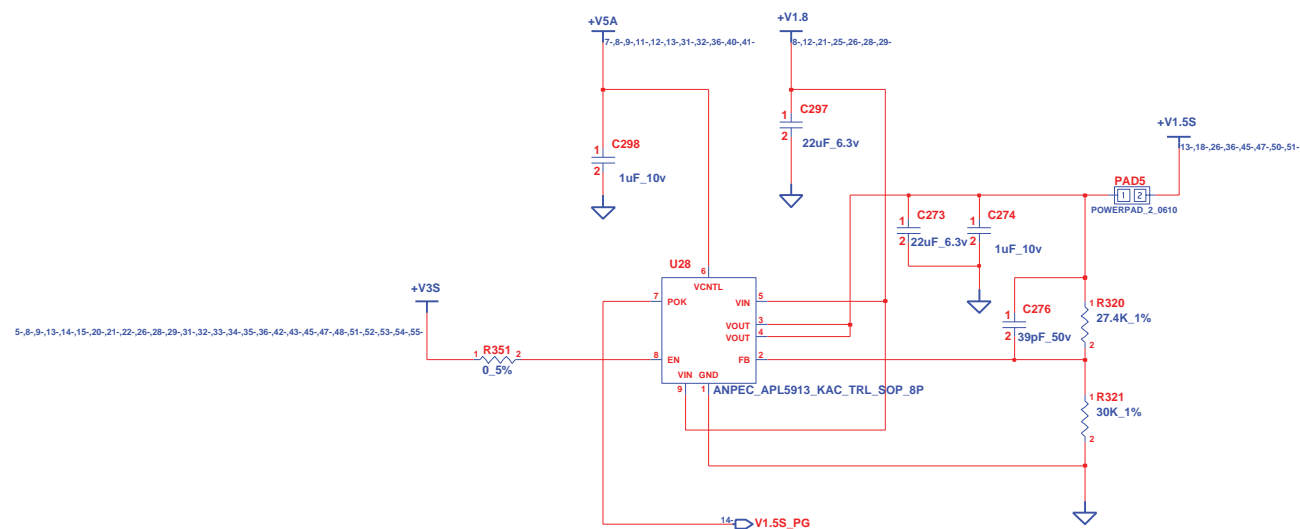
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SELECT & BATTERY CONN**

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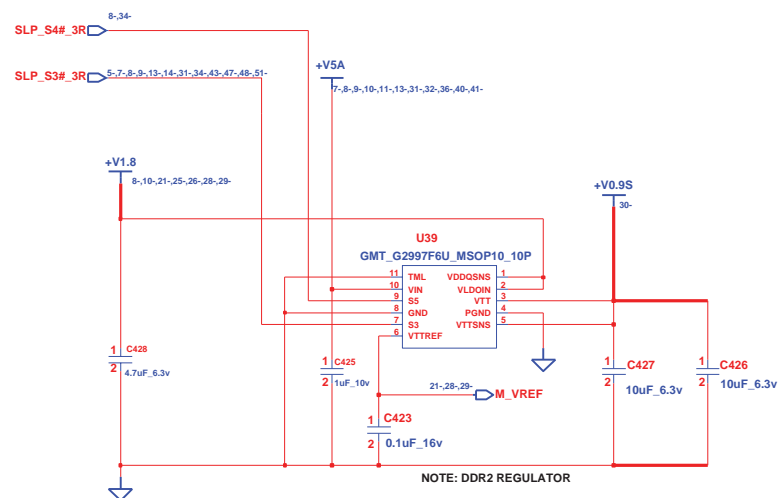
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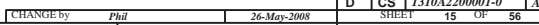


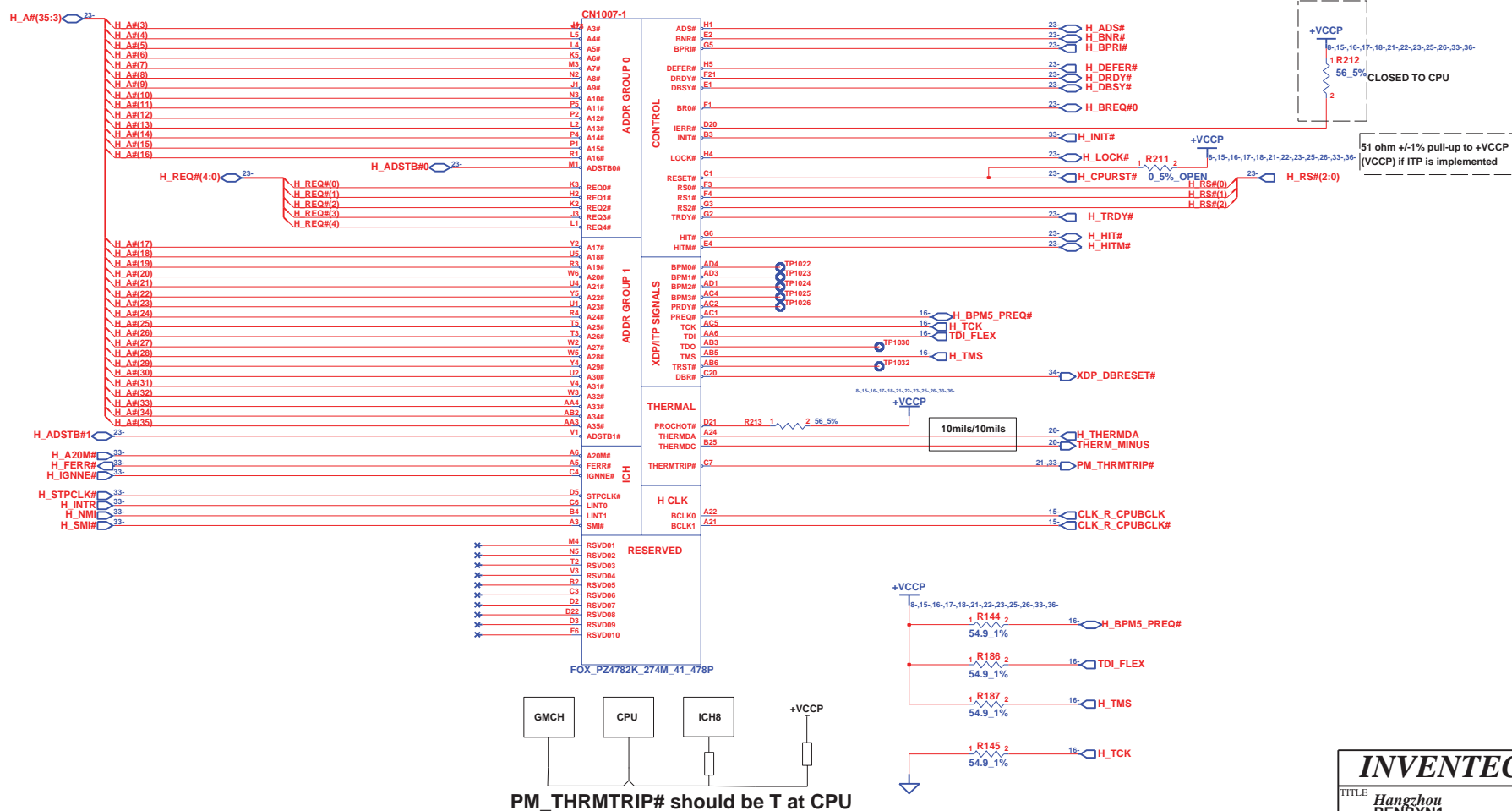
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D	CS	1310A2200001-0	A02
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CHANGE by Phil 26-May-2008

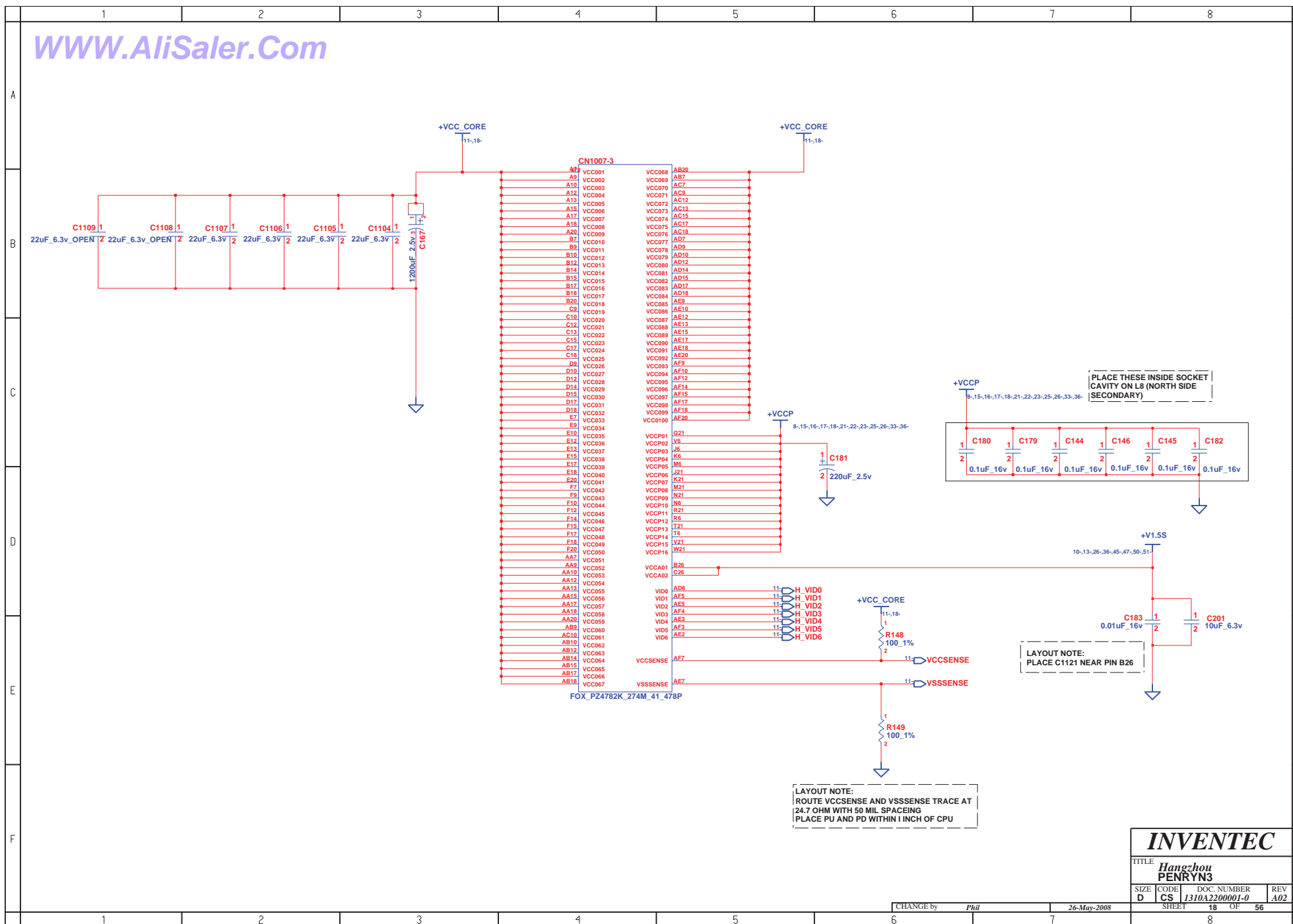


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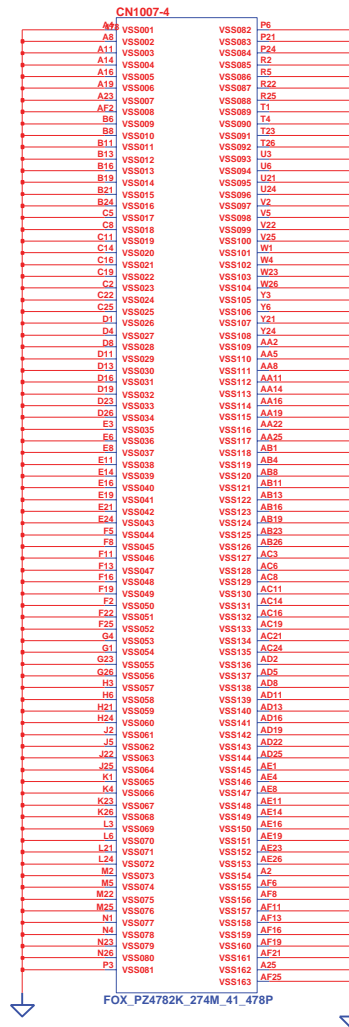




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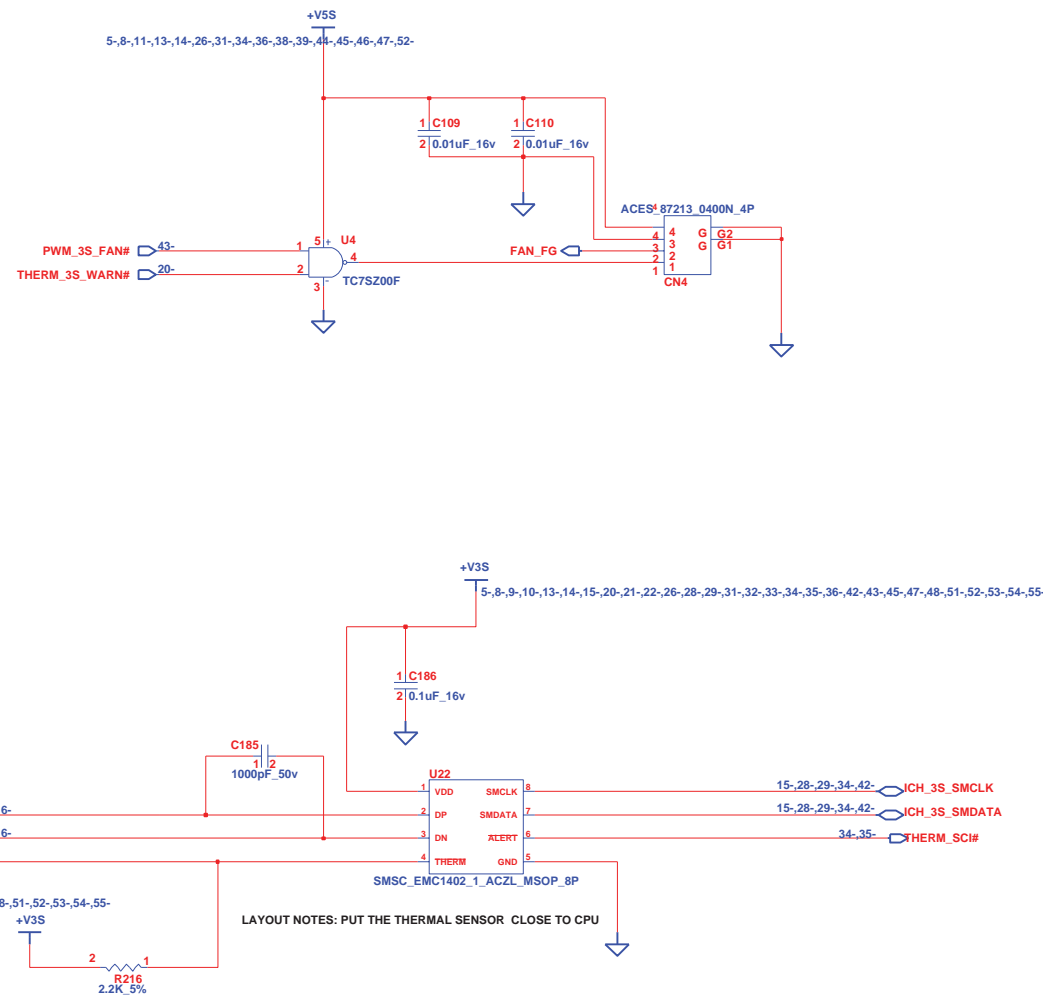


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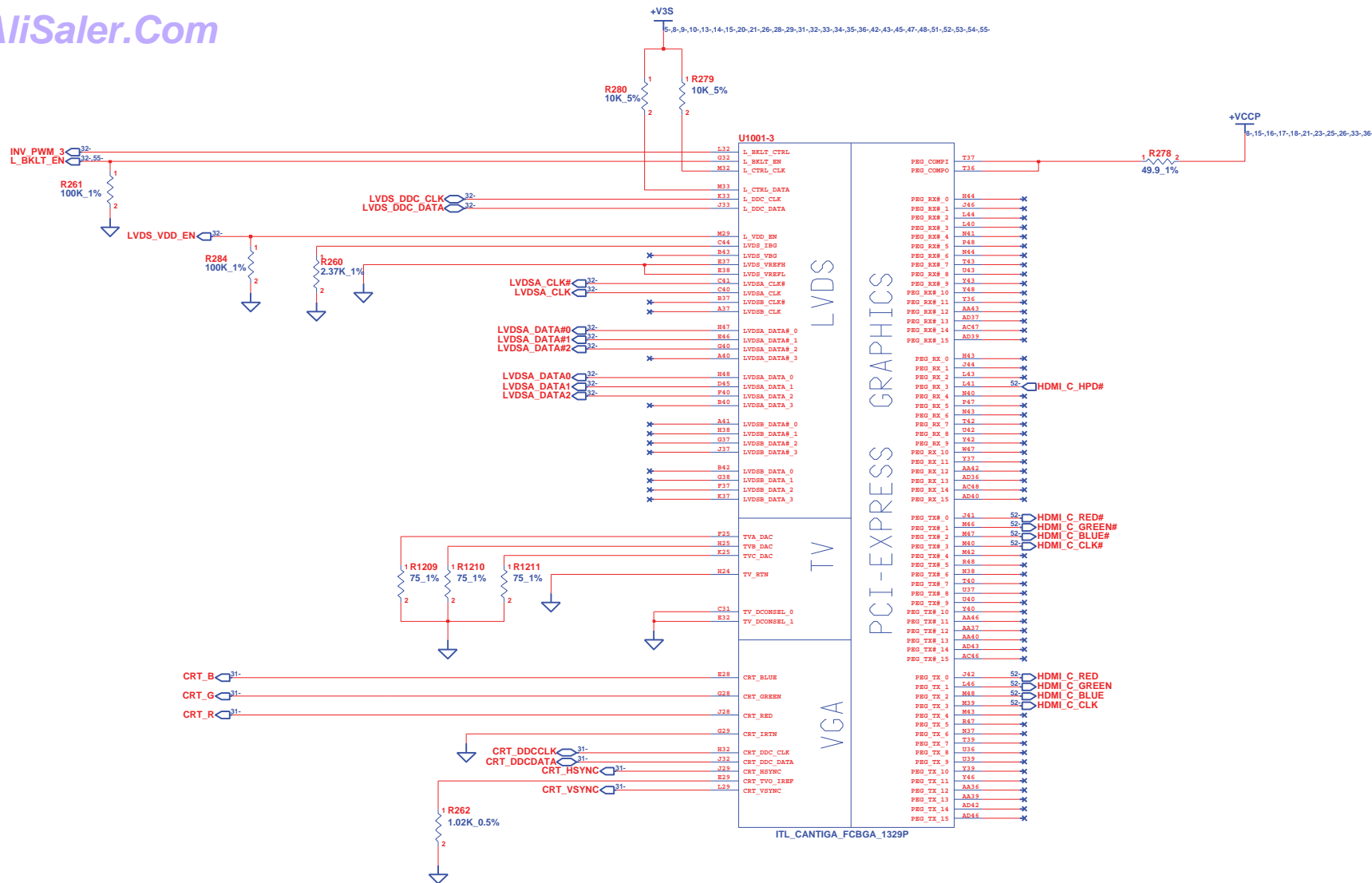


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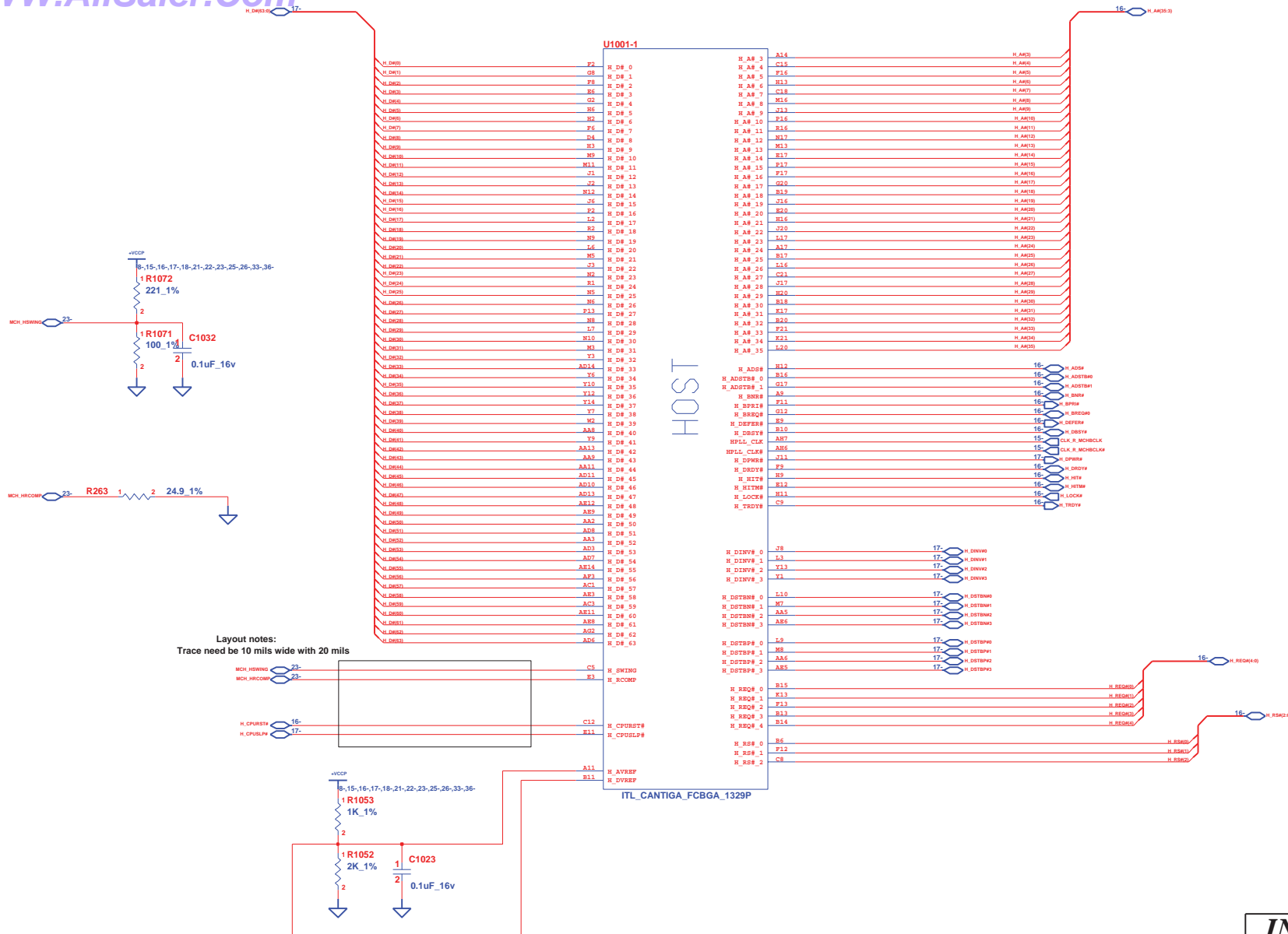
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TITLE Hangzhou CANTIGA-2			
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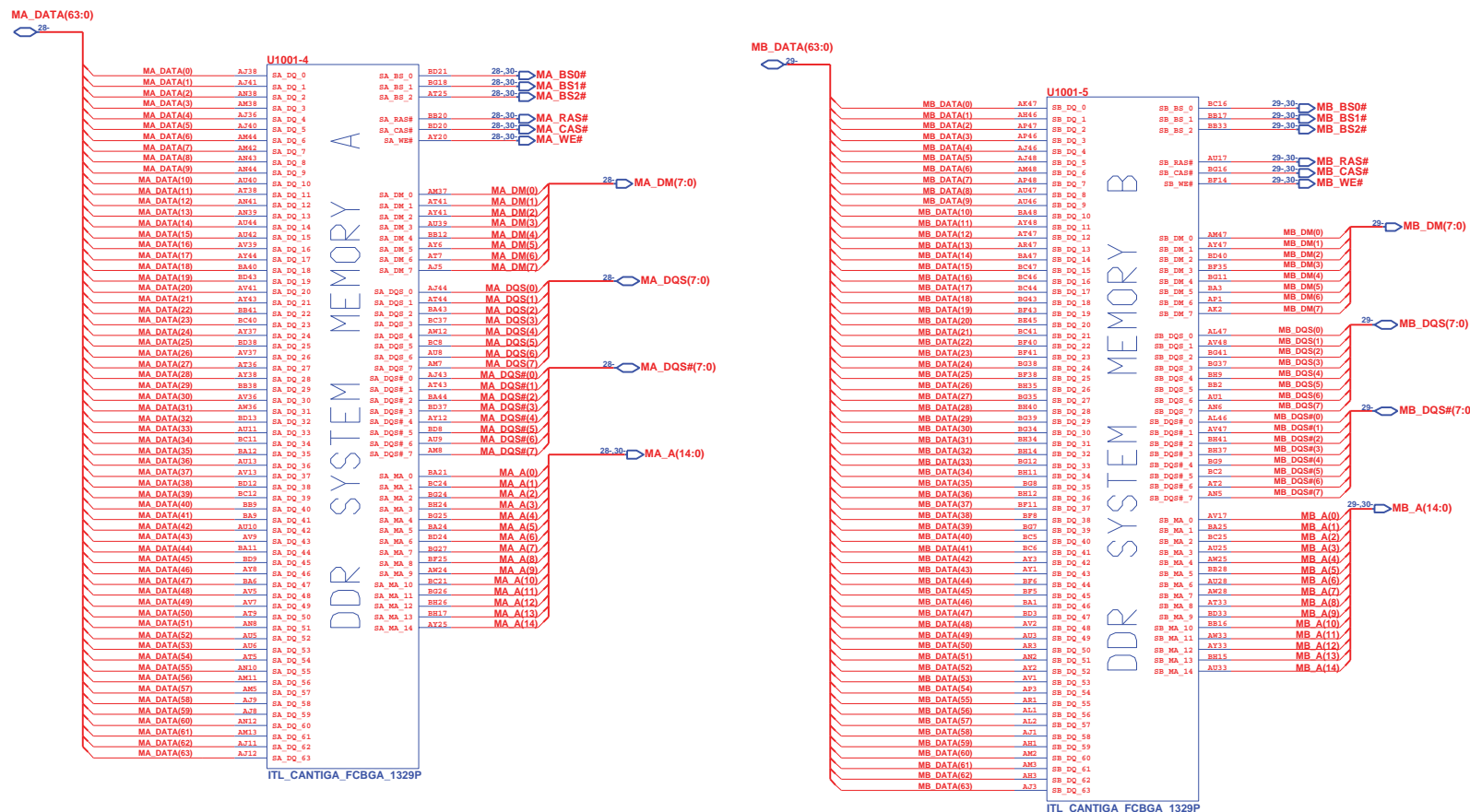
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TITLE
**Hangzhou
CANTIGA-3-HOST**

SIZE	CODE	DOC. NUMBER	REV
D	CS	1310A2200001-0	A02

CHANGE by Phil 26-May-2008

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INVENTEC

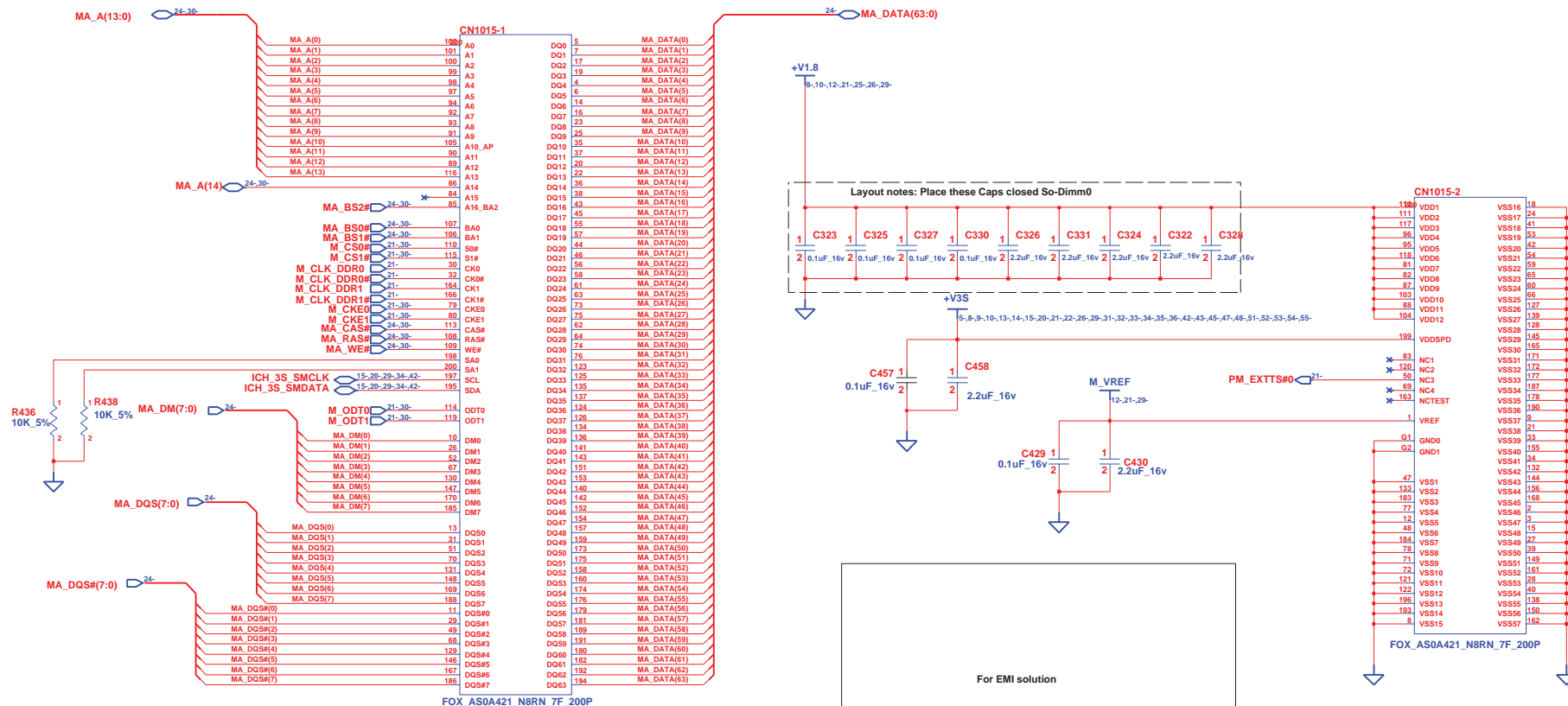
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Hangzhou
CANTIGA-4-DDR2

SIZE CODE DOC. NUMBER REV
D CS 1310A2200001-0 A02

CHANGE by Phil 26-May-2008

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Layout note: Place these Caps closed So-Dimm1

FOX_AS04426_N4RN_7F_REV_200P

SO DIMM1 4mm

WWW.AliSaler.Com

SO DIMM1 4mm

INVENTEC
TITLE Hangzhou DDR2-DIMM1
SIZE D CODE CS DOC NUMBER 1310A2200001-0 REV A02
CHANGE by Phil 26-May-2008 SHEET 29 OF 56

WWW.AliSaler.Com

SO DIMM1 4mm

INVENTEC

TITLE: Hangzhou DDR2-DIMM1

SIZE D CODE CS DOC NUMBER 1310A2200001-0 REV A02

CHANGE by Phil 26-May-2008 SHEET 29 OF 56

WWW.AliSaler.Com

SO DIMM1 4mm

INVENTEC
TITLE Hangzhou
DDR2-DIMM1
SIZE D CODE CS DOC NUMBER 1310A2200001-0 REV A02
CHANGE by Phil 26-May-2008 SHEET 29 OF 56

WWW.AliSaler.Com

A

B

C

D

E

F

1

2

3

4

5

6

7

8

MB_A(13:0) 24-30

MB_A(14) 24-30

+V3S

R439 10K_5%

R437 10K_5%

MB_DM(7:0) 24-

MB_DQS(7:0) 24-

MB_DQS(7:0) 24-

FOX_AS0A426_N4RN_7F_REV_200P

SO DIMM1 4mm

Layout note: Place these Caps closed So-Dimm1

C364 C366 C368 C370 C363 C367 C365 C371 C369

0.1uF_16v 2 0.1uF_16v 2 0.1uF_16v 2 0.1uF_16v 2 2.2uF_16v 2 2.2uF_16v 2 2.2uF_16v 2 2.2uF_16v 2

+V1.8 8-10-12-21-25-26-28-

+V3S 5-8-9-10-13-14-15-20-21-22-26-28-29-31-32-33-34-35-36-42-43-45-47-48-51-52-53-54-55-

C1098 0.1uF_16v 2

C373 2.2uF_16v

M_VREF 12-21-28-

C360 0.1uF_16v 2

C361 2.2uF_16v

PM_EXTTS#1 24-

VREF 9

GND1 GND0

FOX_AS0A426_N4RN_7F_REV_200P

INVENTEC

TITLE Hangzhou DDR2-DIMM1

SIZE D CODE CS DOC NUMBER 1310A2200001-0 REV A02

CHANGE by Phil 26-May-2008 SHEET 29 OF 56

WWW.AliSaler.Com

Layout note: Place these Caps closed So-Dimm1

1 C364 1 C366 1 C368 1 C370 1 C363 1 C367 1 C365 1 C371 1 C369
2 0.1uF_16v 2 0.1uF_16v 2 0.1uF_16v 2 0.1uF_16v 2 2.2uF_16v 2 2.2uF_16v 2 2.2uF_16v 2 2.2uF_16v

1 C1098 1 C373
2 0.1uF_16v 2 2.2uF_16v

1 C360 1 C361
2 0.1uF_16v 2 2.2uF_16v

FOX_AS04426_N4RN_7F_REV_200P

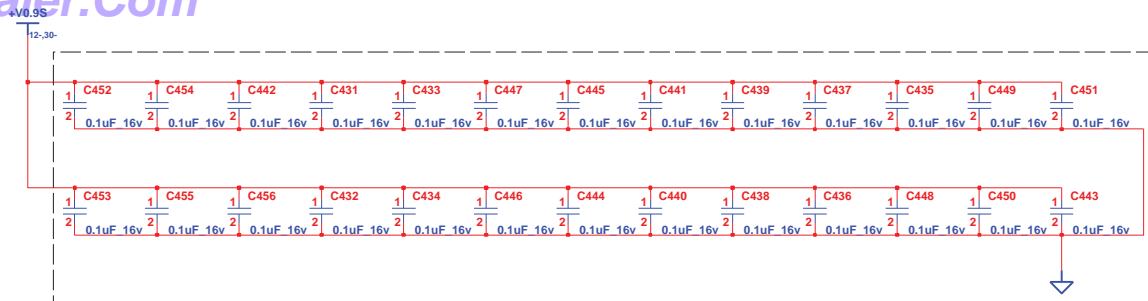
SO DIMM1 4mm

INVENTEC

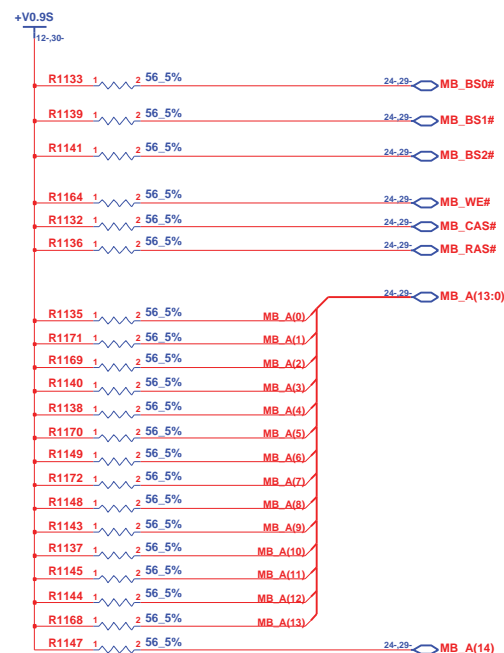
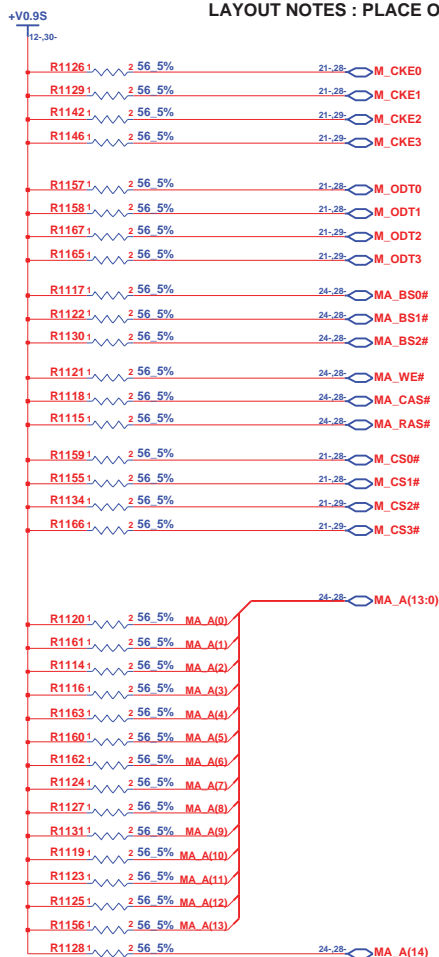
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DDR2-DIMM1

SIZE: **D** CODE: **CS** DOC. NUMBER: **1310A2200001-0** REV: **A02**

CHANGE by: **Phil** 26-May-2008 SHEET: **29** OF: **56**



LAYOUT NOTES : PLACE ONE CAP CLOSE TO EVERY 2 PULL UP RESISTOR TERMINATED TO +V0.9S



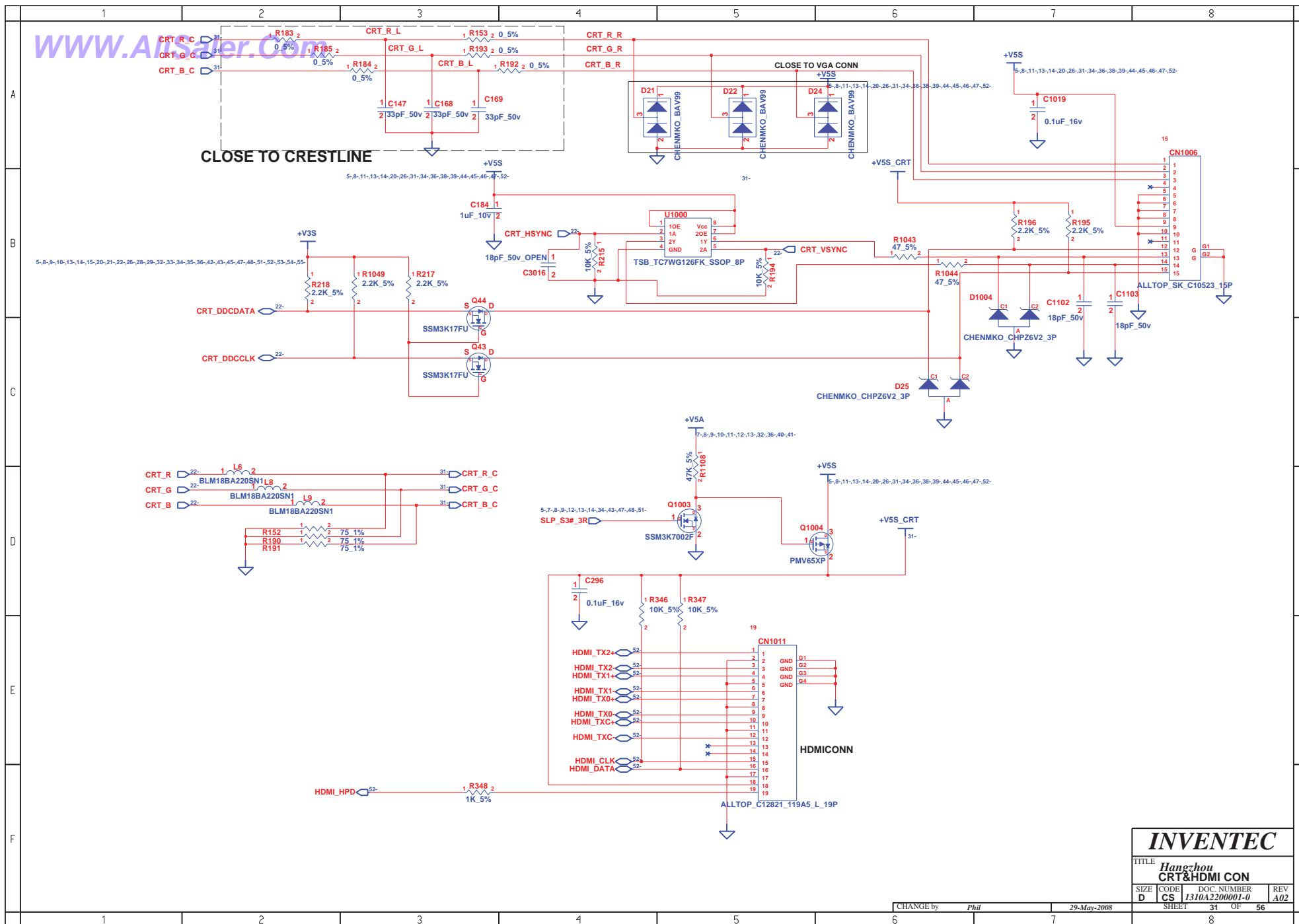
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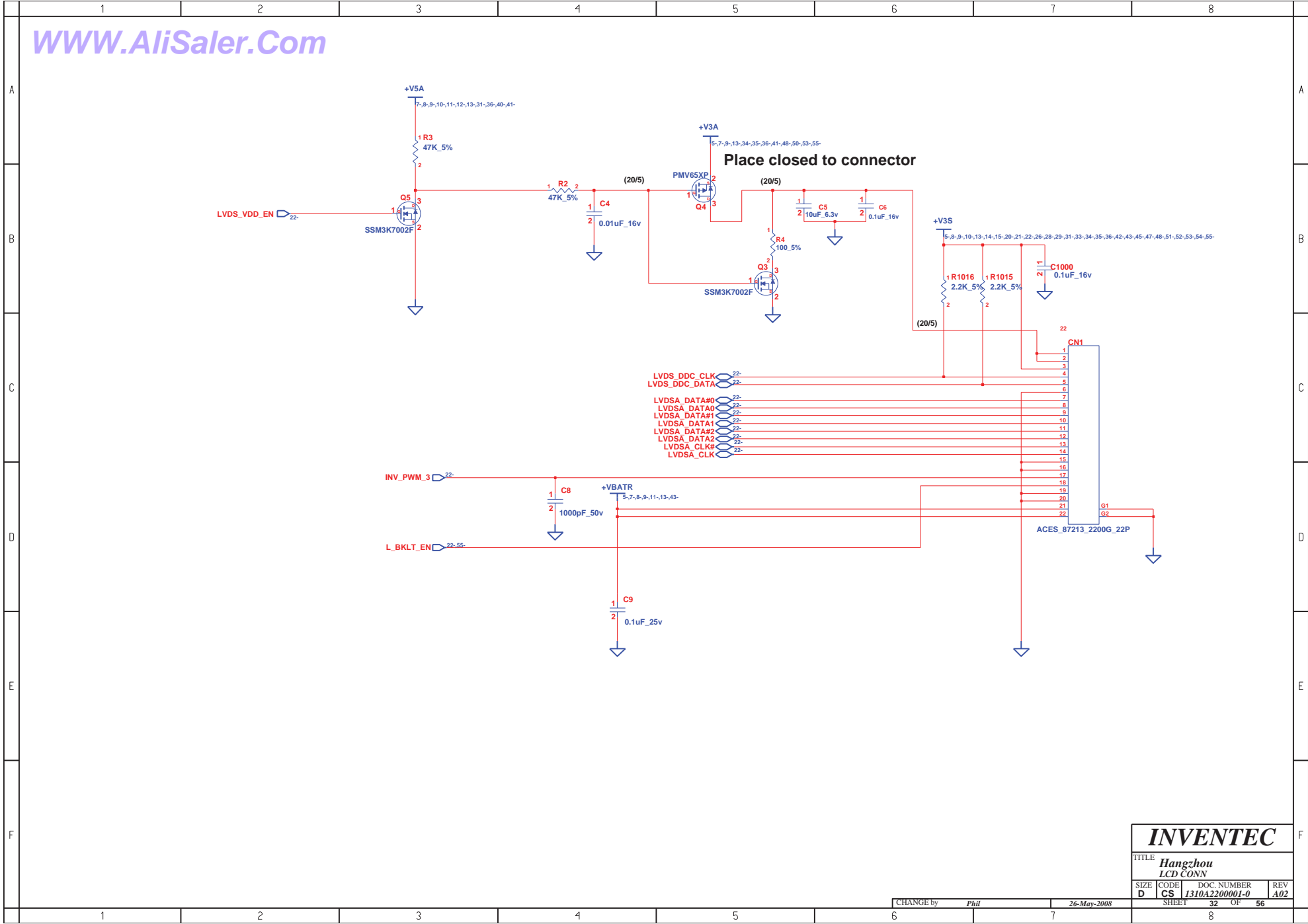
TITLE
Hangzhou
DDR2-DAMPING

SIZE	CODE	DOC. NUMBER	REV
D	CS	1310A2200001-0	A02

CHANGE by Phil 27-Sep-2003

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Place closed to connector

Component List:

- Resistors: R1 (47K_5%), R2 (47K_5%), R3 (2.2K_5%), R4 (100_5%), R5 (2.2K_5%)
- Capacitors: C1 (0.01uF_16v), C2 (10uF_6.3v), C3 (0.1uF_16v), C4 (0.01uF_16v), C5 (1000pF_50v), C6 (0.1uF_25v), C7 (0.1uF_16v), C8 (1000pF_50v), C9 (0.1uF_25v)
- MOSFETs: Q1 (SSM3K7002F), Q2 (PMV65XF), Q3 (SSM3K7002F), Q4 (SSM3K7002F), Q5 (SSM3K7002F)
- Connectors: CN1 (22 pins)

Signal Lines:

- LVDS_DDC_CLK
- LVDS_DDC_DATA
- LVDSA_DATA#0
- LVDSA_DATA#1
- LVDSA_DATA#2
- LVDSA_DATA#3
- LVDSA_CLK#

Power Supply Connections:

- +V5A: 7, 8, 9, 10, 11, 12, 13, 31, 36, 40, 41
- +V3A: 5, 7, 9, 13, 34, 35, 36, 41, 48, 50, 53, 55
- +V3S: 5, 8, 9, 10, 13, 14, 15, 20, 21, 22, 26, 28, 29, 31, 33, 34, 35, 36, 42, 43, 45, 47, 48, 51, 52, 53, 54, 55
- +VBATR: 5, 7, 8, 9, 11, 13, 43

Other Connections:

- LVDS_VDD_EN (22-)
- INV_PWM_3 (22-)
- L_BKLT_EN (22-55)
- ACES_87213_2200G_22P

Change Log:

CHANGE	by	Phil	26-May-2008
6			
7			

INVENTEC

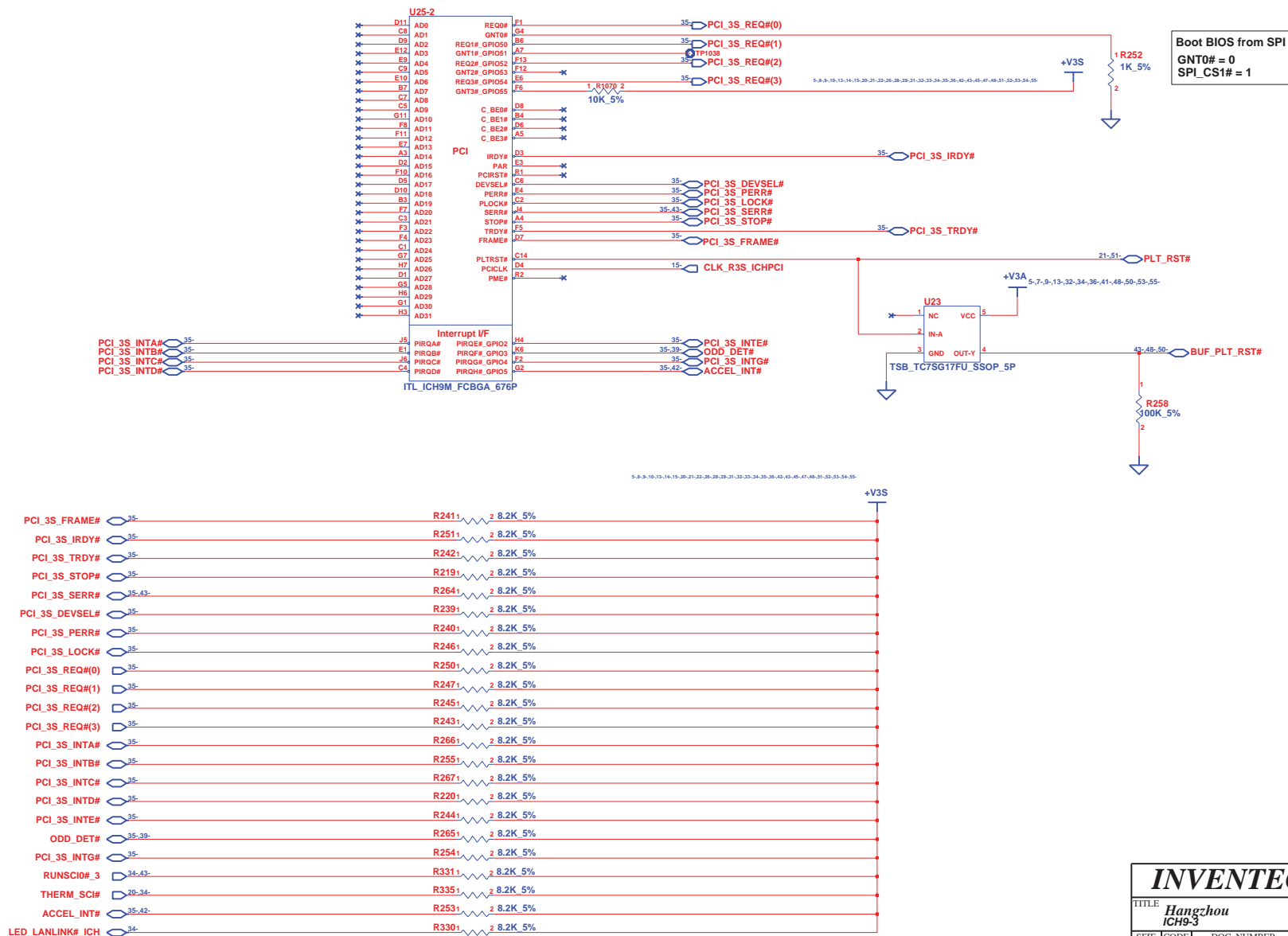
Hangzhou LCD CONN

SIZE D CS

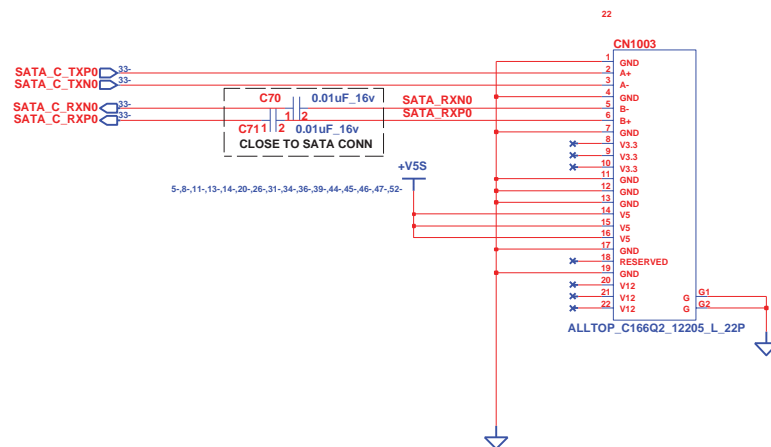
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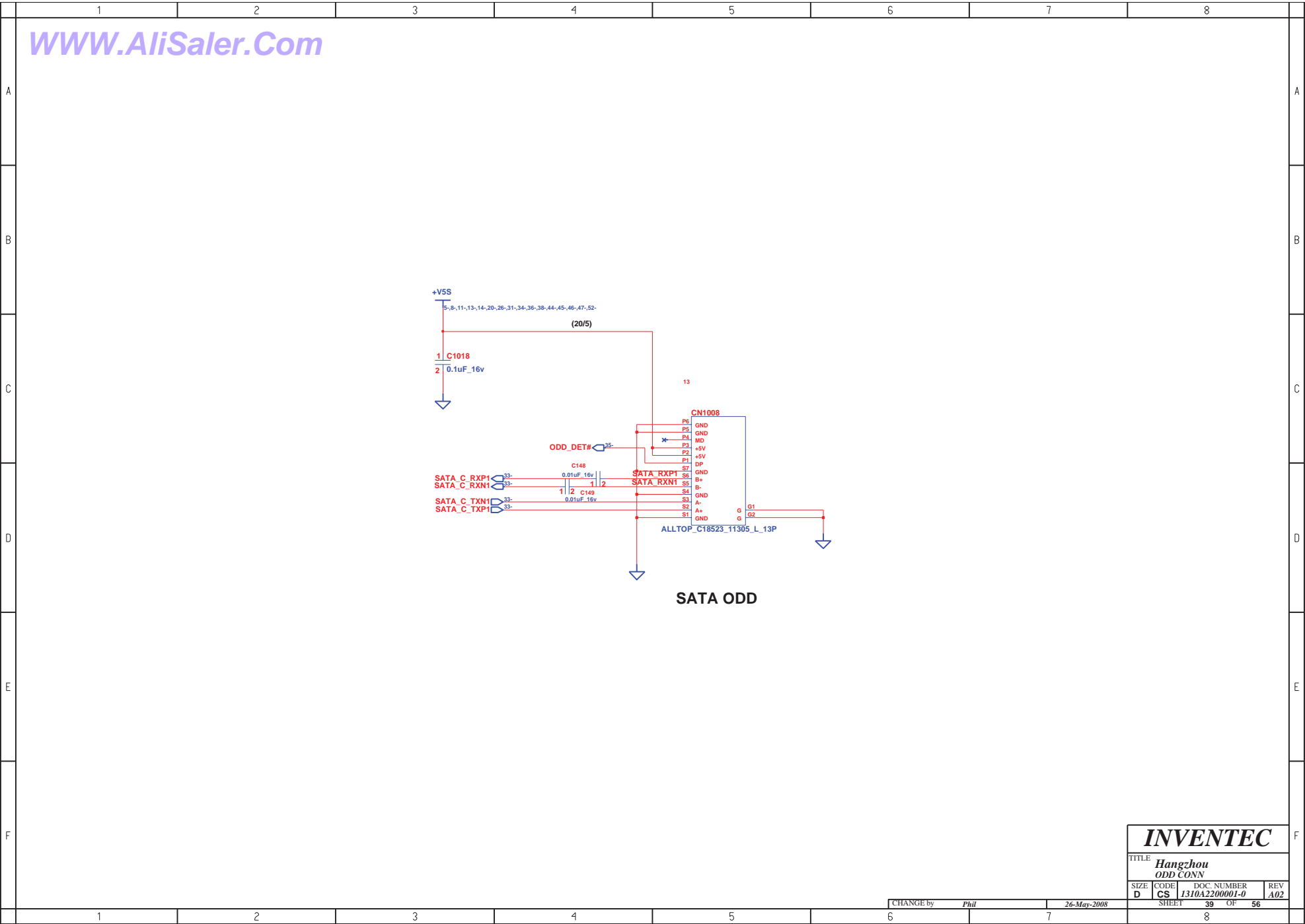
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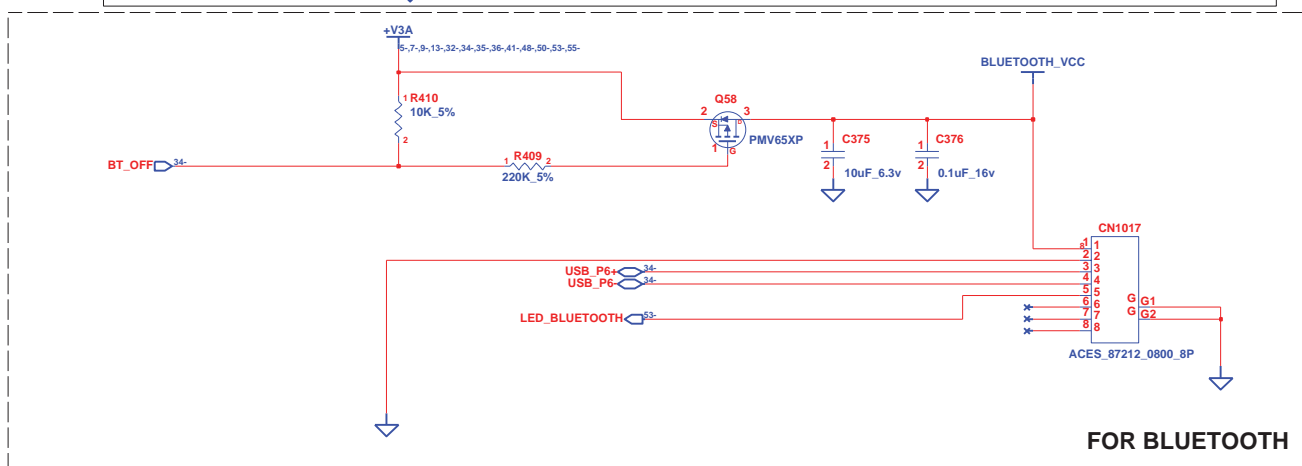
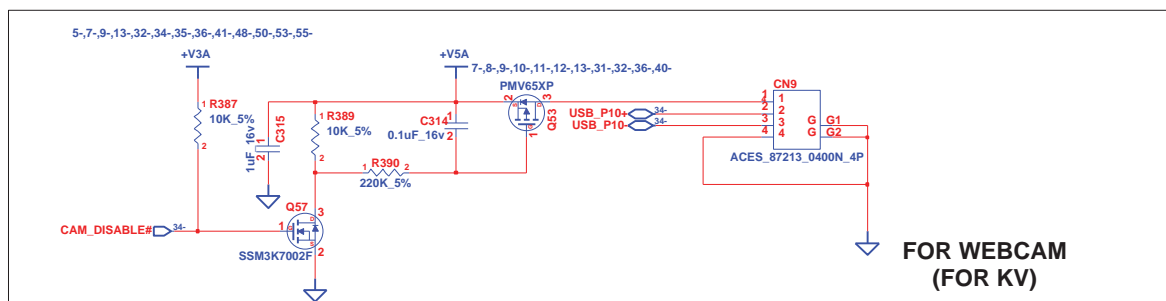
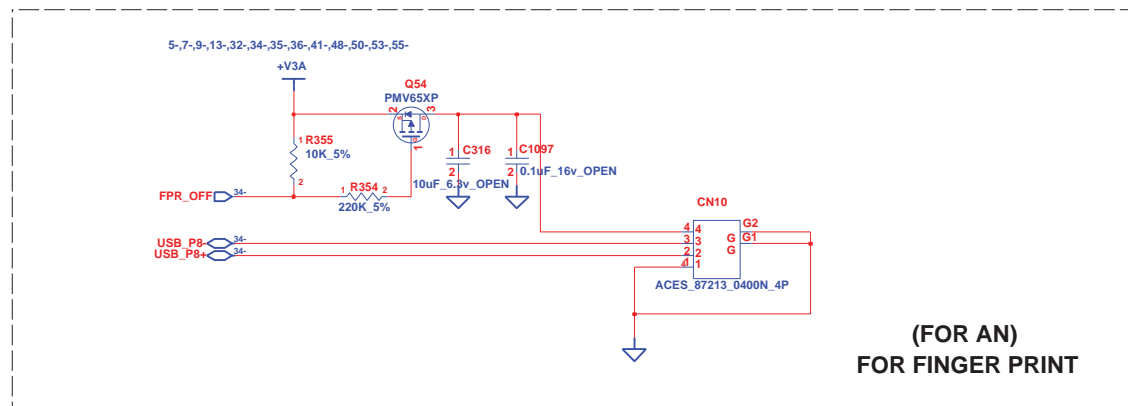
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INVENTEC			
TITLE Hangzhou ICH9-3			
SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
CHANGE by Phil		26-May-2008	
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INVENTEC

TITLE
Hangzhou
Finger Printer & BlueTooth

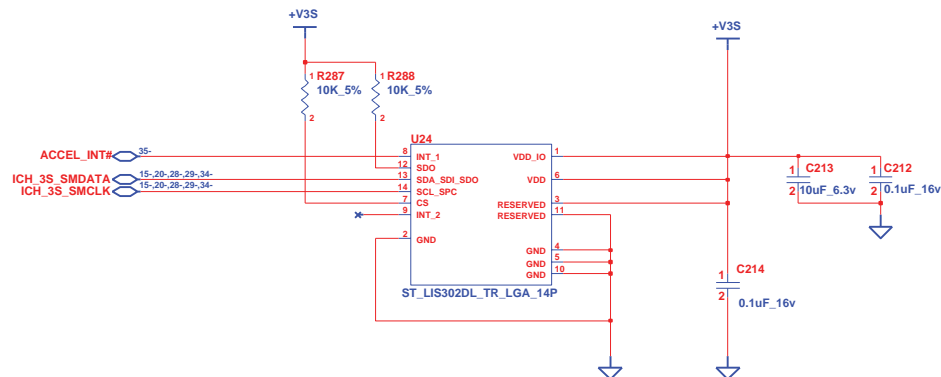
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CHANGE by Phil 26-May-2008

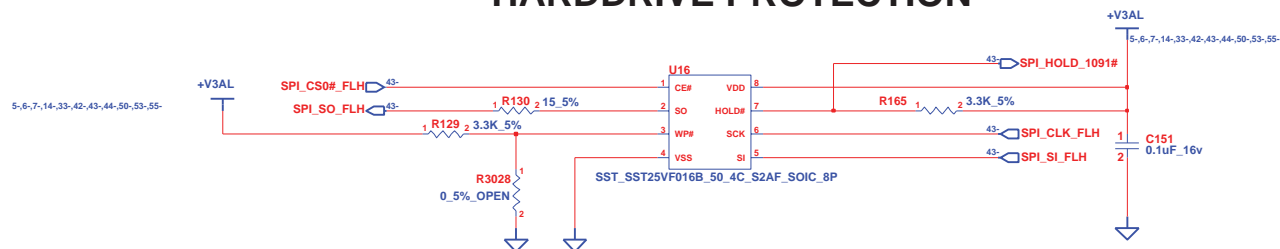
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5-8-9-10-13-14-15-20-21-22-26-28-29-31-32-33-34-35-36-42-43-45-47-48-51-52-53-54-55-

5-8-9-10-13-14-15-20-21-22-26-28-29-31-32-33-34-35-36-42-43-45-47-48-51-52-53-54-55-



HARDDRIVE PROTECTION



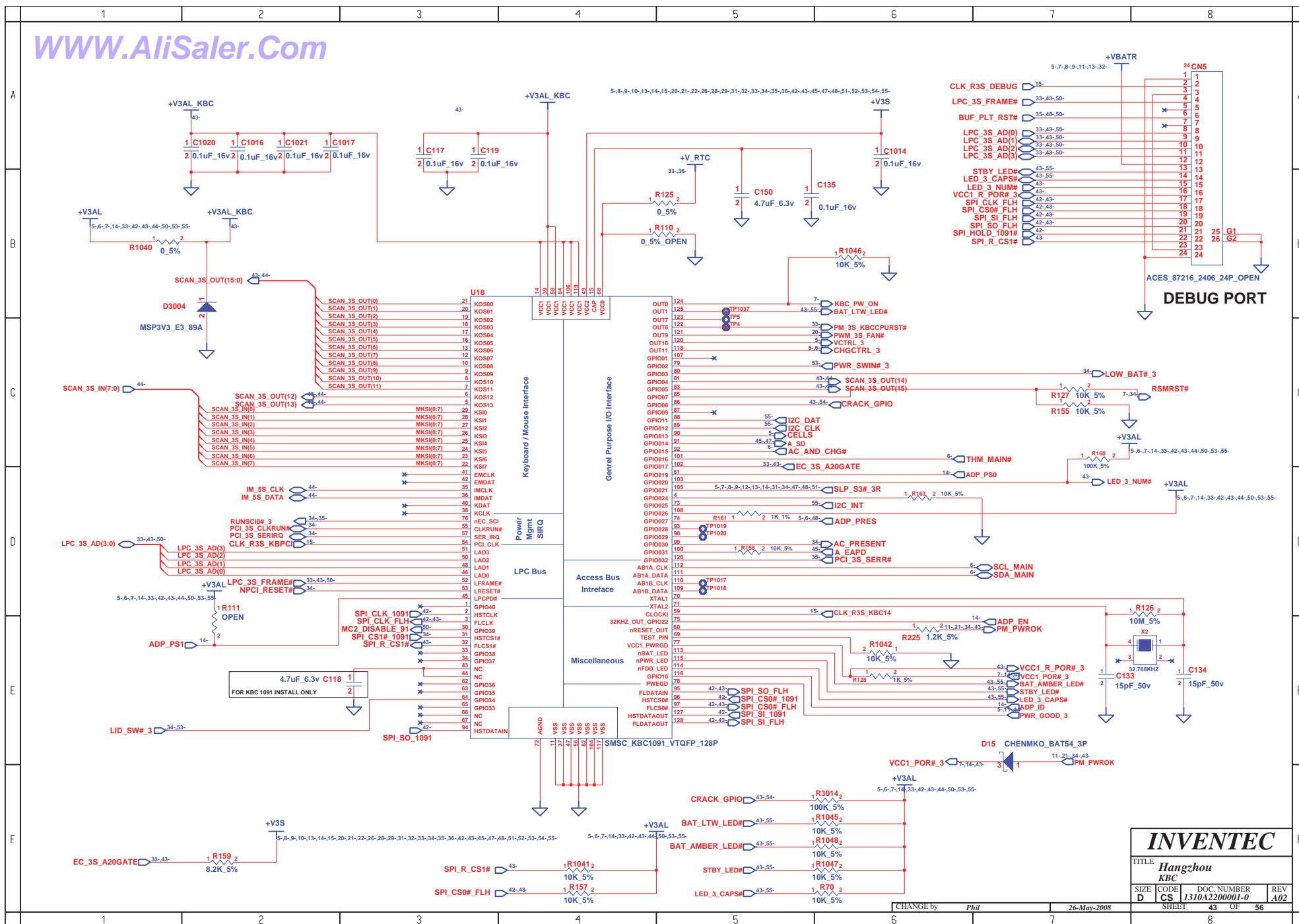
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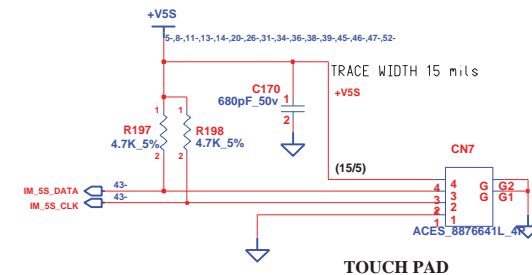
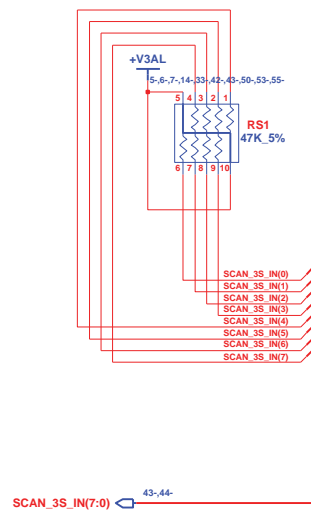
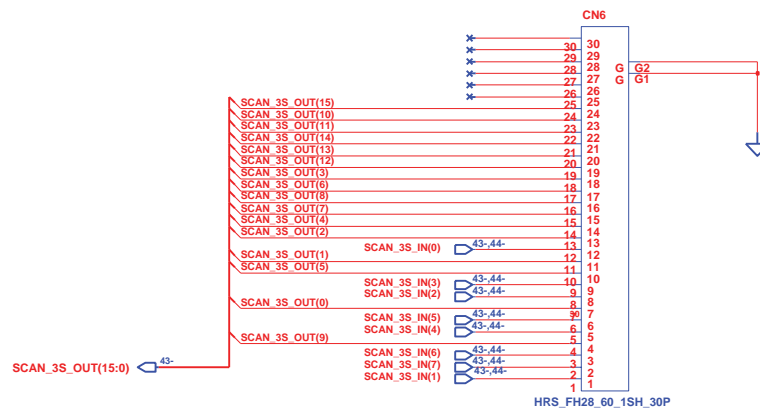
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SPI/HDD PROTECTION

SIZE D CODE CS DOC. NUMBER 1310A2200001-0 REV A02

CHANGE by Phil 26-May-2008

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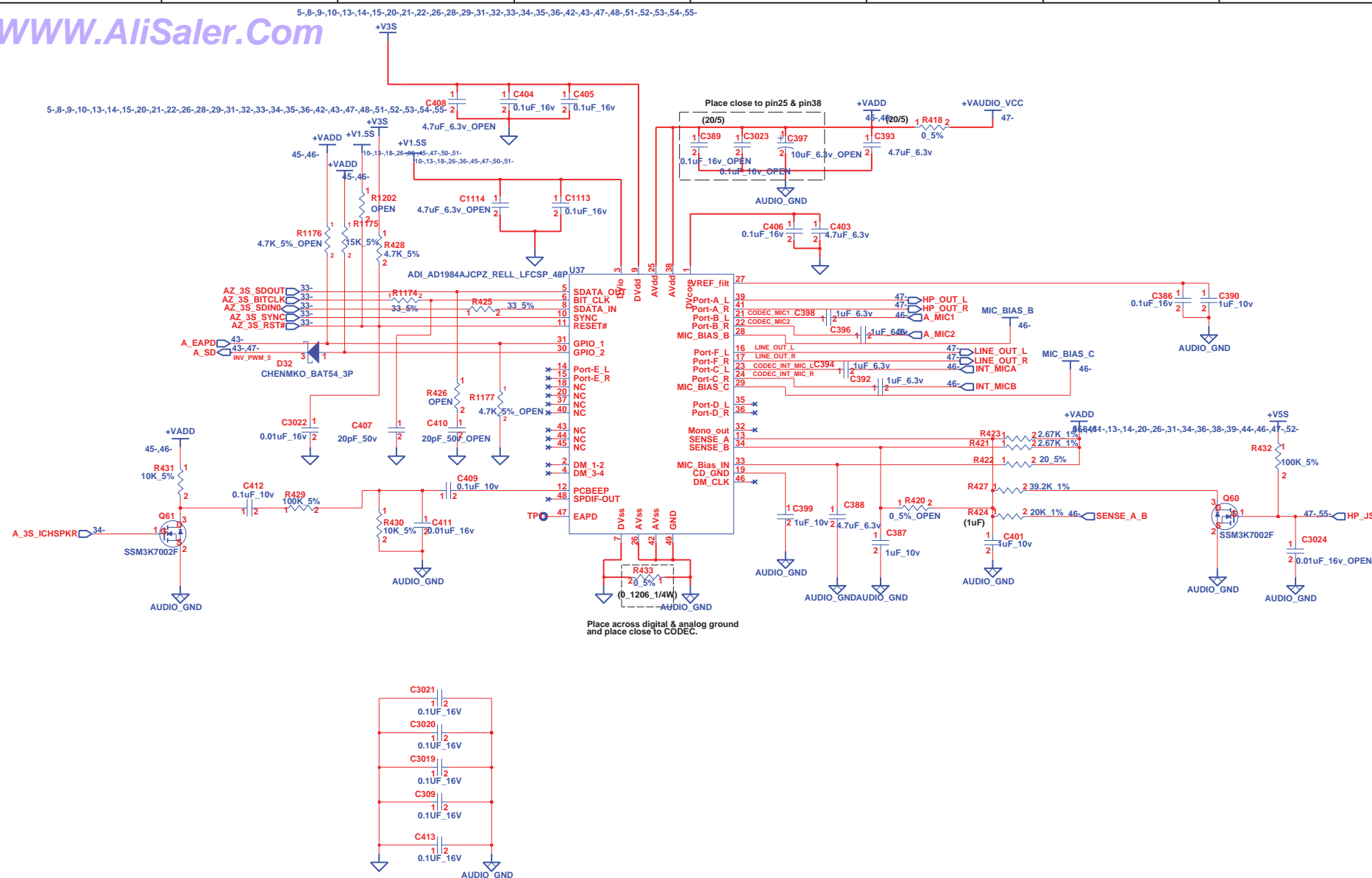
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TITLE
Hangzhou
INT.KBC/POINT DEVICES

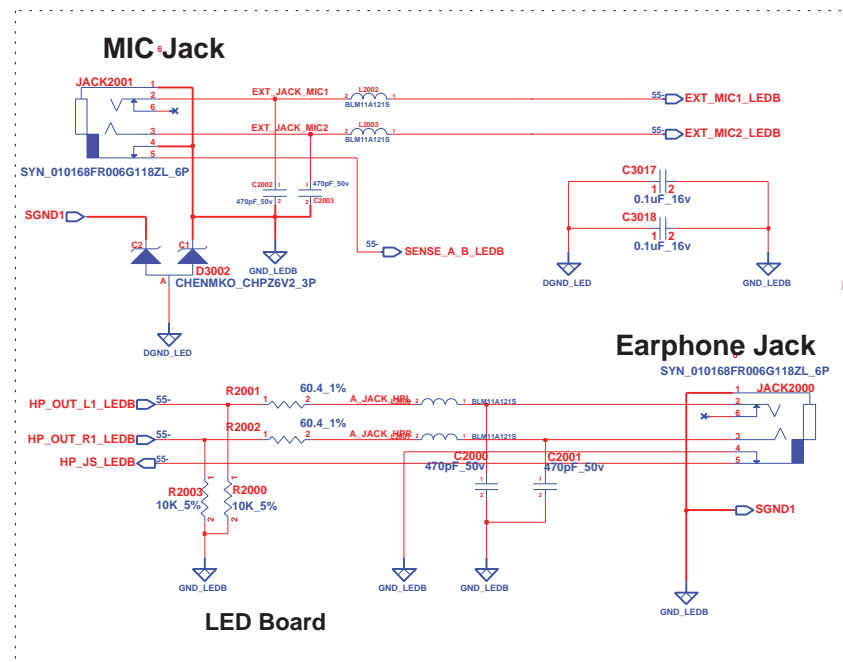
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CHANGE by Phil 26-May-2008

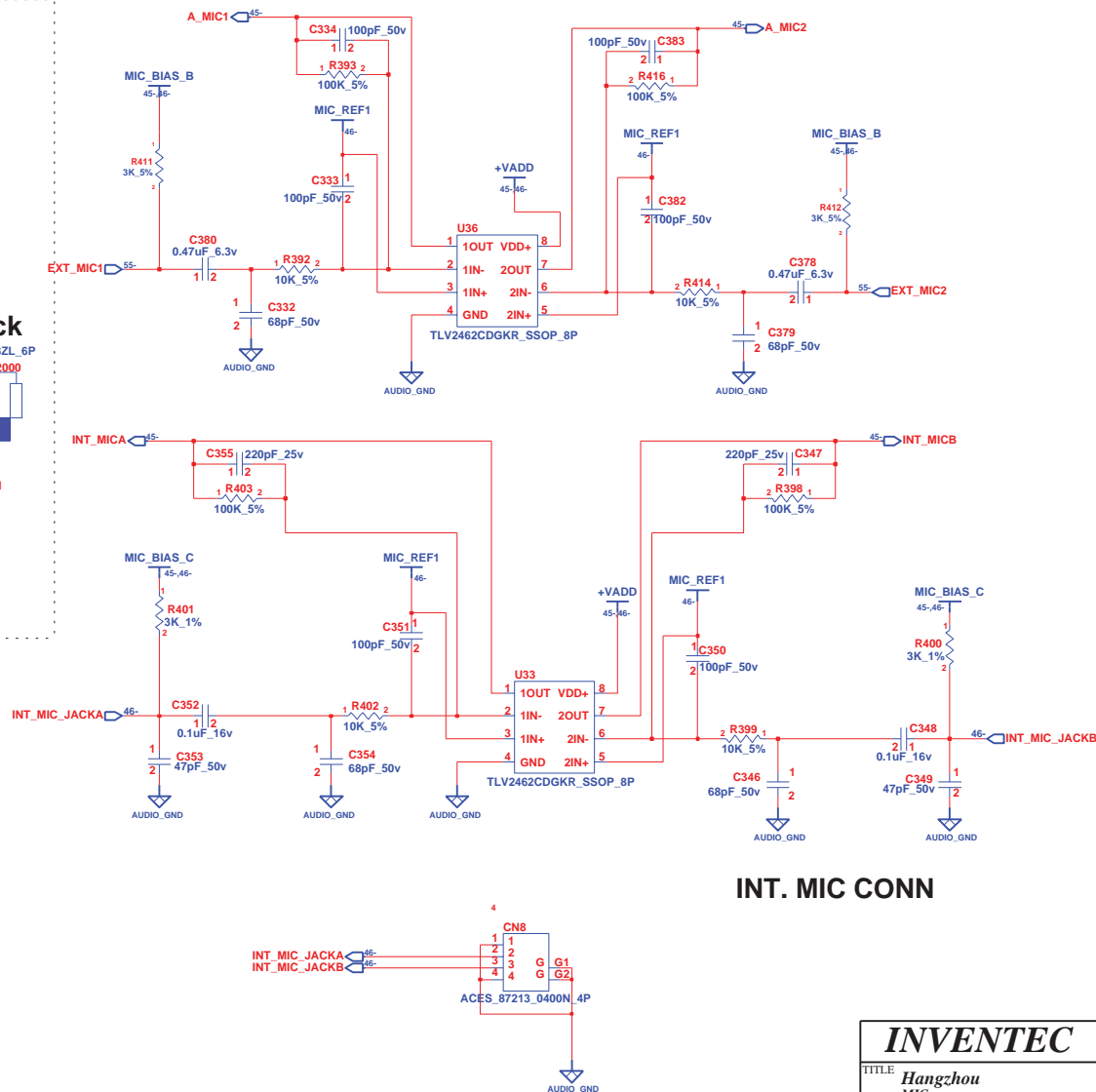
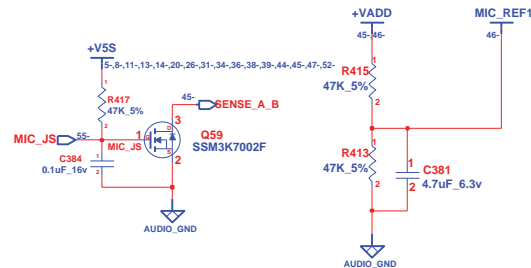
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**INVENTEC**

TITLE			
Hangzhou CODEC_1981HD			
SIZE	CODE	DOC. NUMBER	REV
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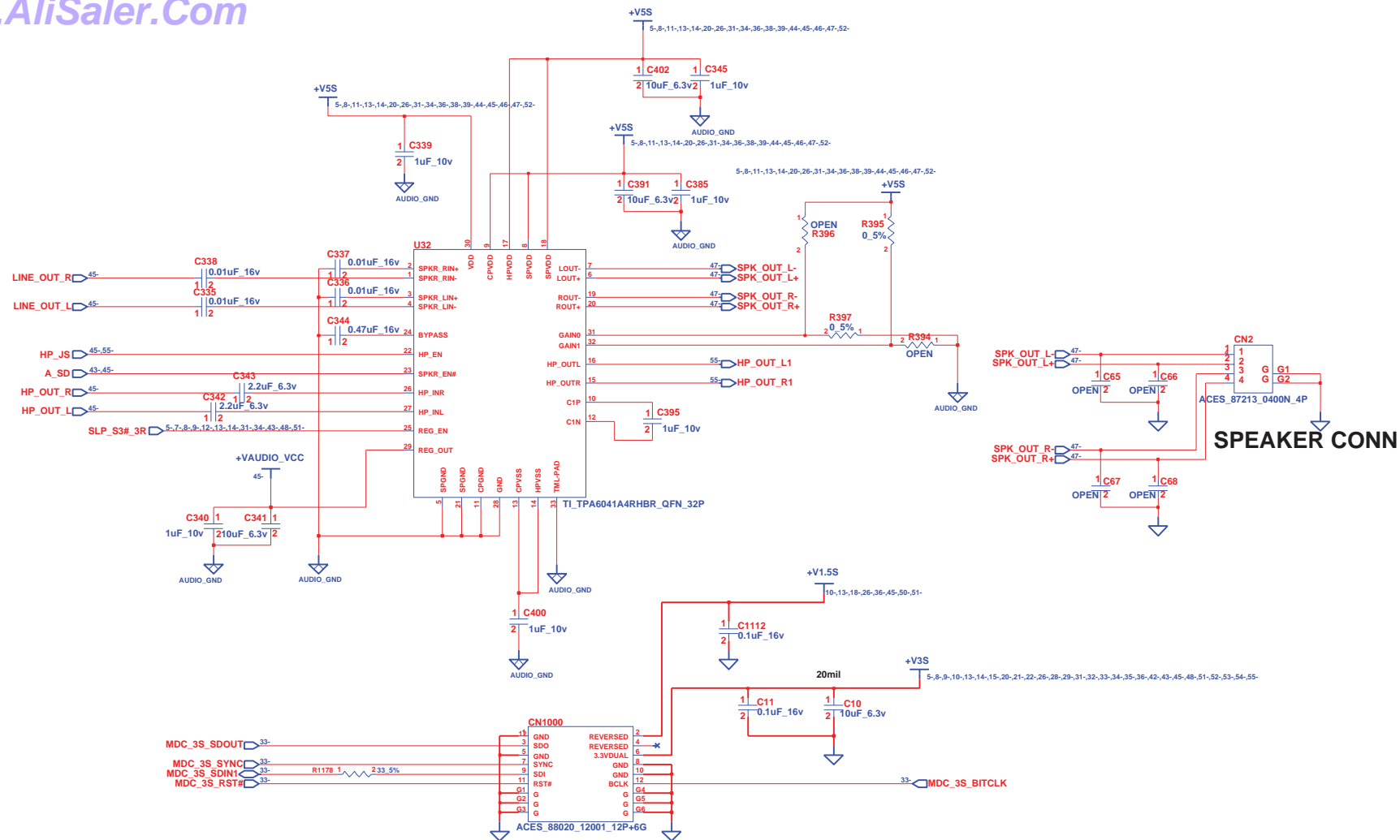


LED Board



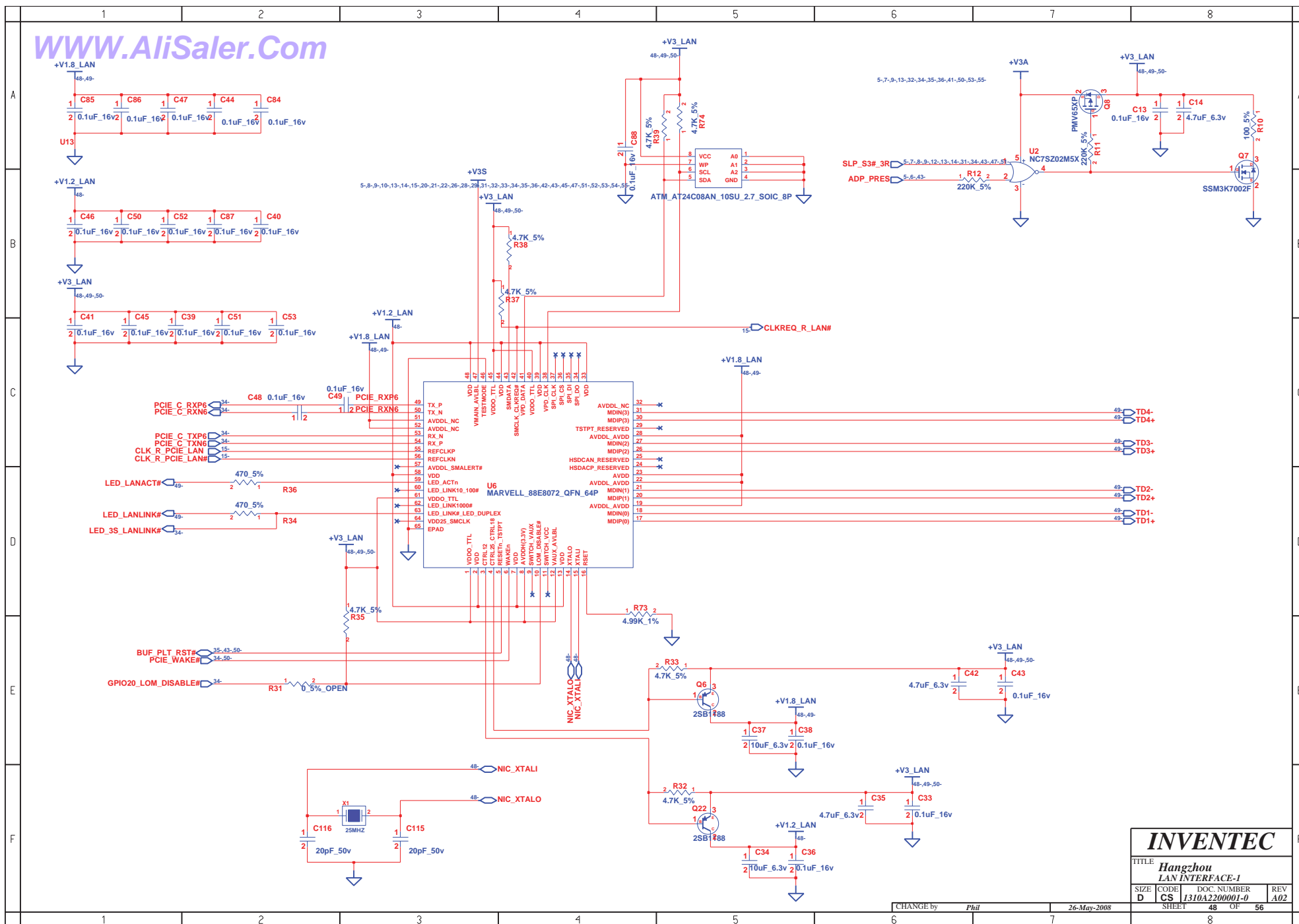
INT. MIC CONN

INVENTEC			
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SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
CHANGE by Phil		26-May-2008	SHEET 46 OF 56

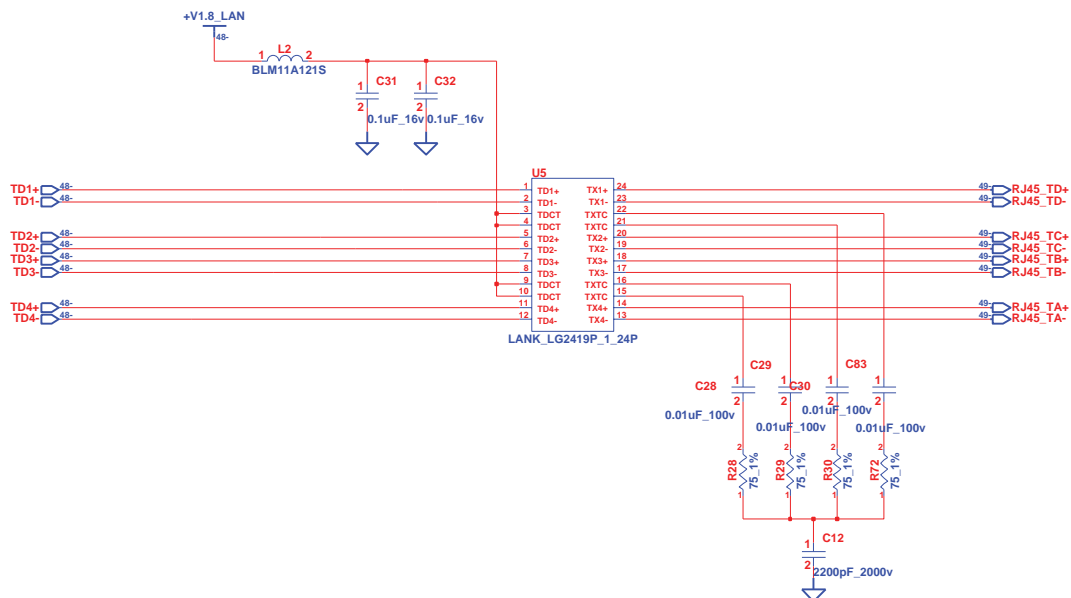
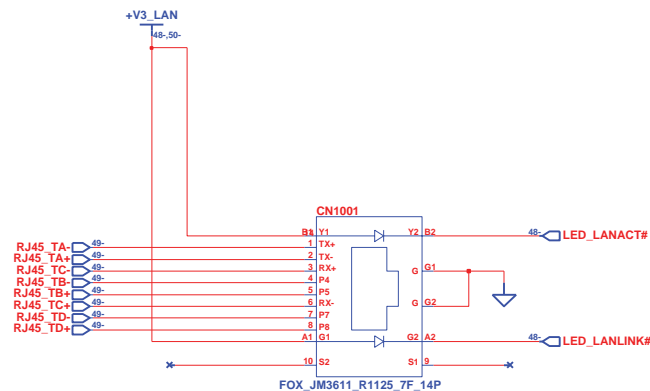


MDC CONN

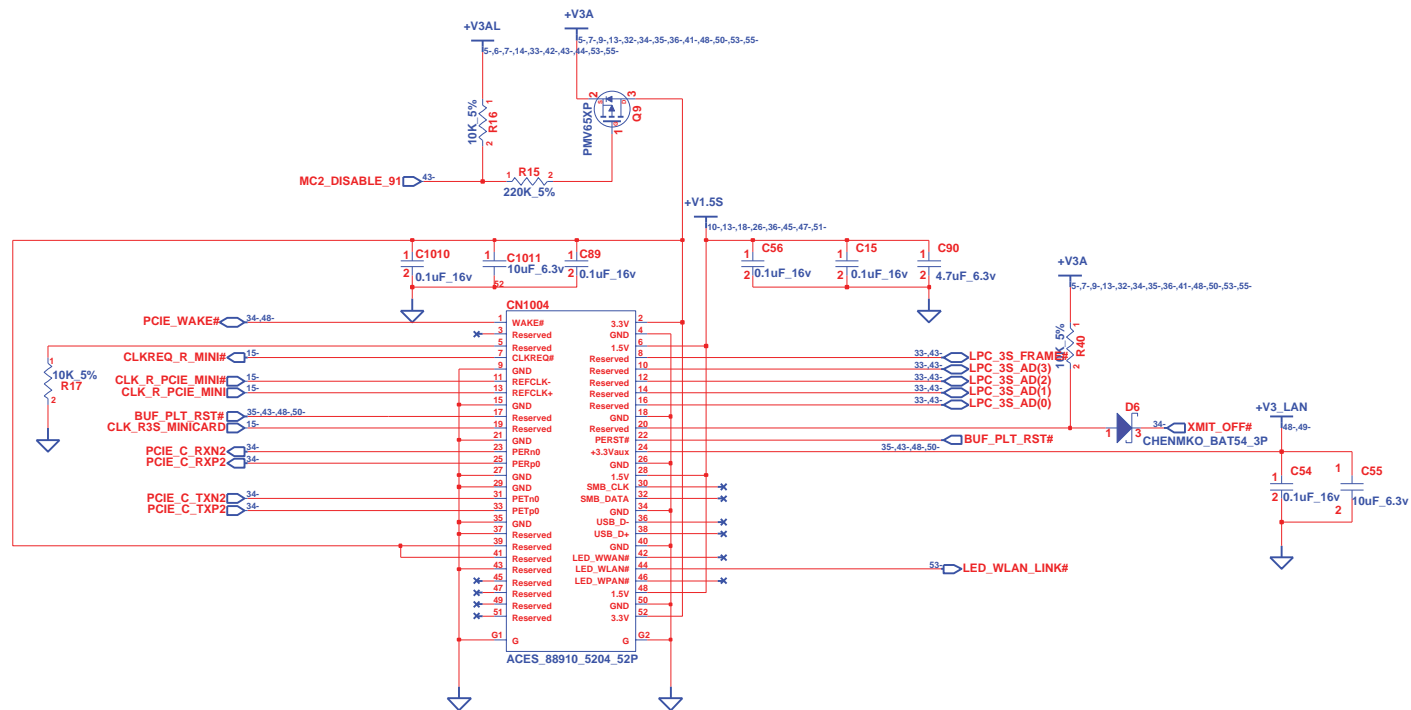
INVENTEC			
TITLE Hangzhou MDC			
SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
CHANGE by Phil		26-May-2008	SHEET 47 OF 56



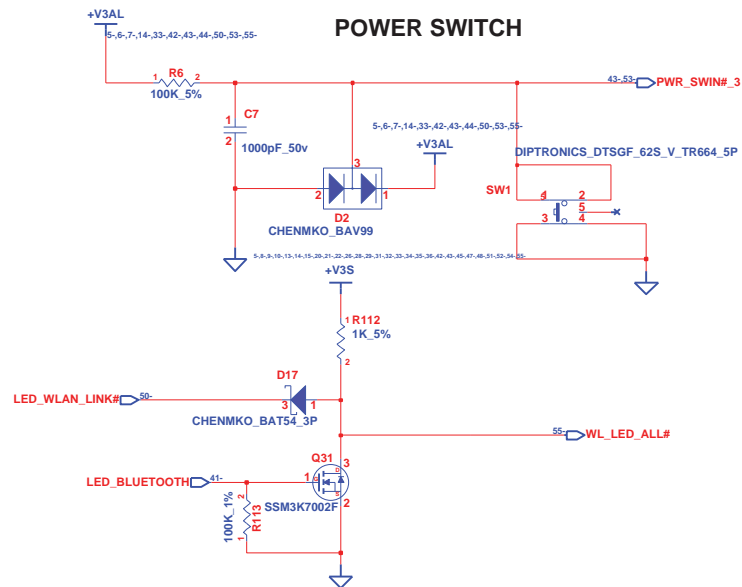
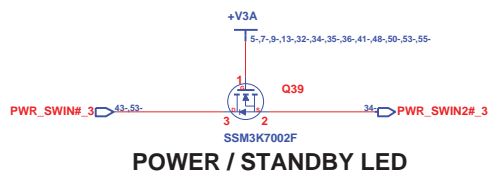
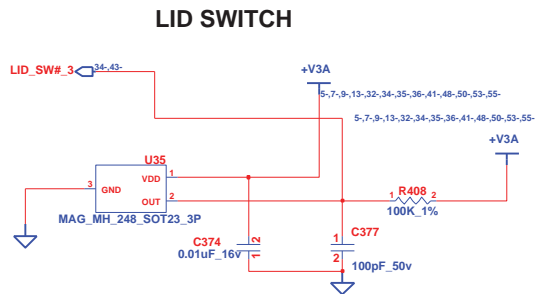
INVENTEC			
TITLE Hangzhou LAN INTERFACE-1			
SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
CHANGE by Phil		26-May-2008	
SHEET 48		OF 56	



INVENTEC			
TITLE Hangzhou LAN RJ45 CONN			
SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
CHANGE by Phil		29-May-2008	
SHEET 49		OF 56	



INVENTEC			
TITLE Hangzhou MINI CARD			
SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
CHANGE by Phil		26-May-2008	
SHEET 50		OF 56	

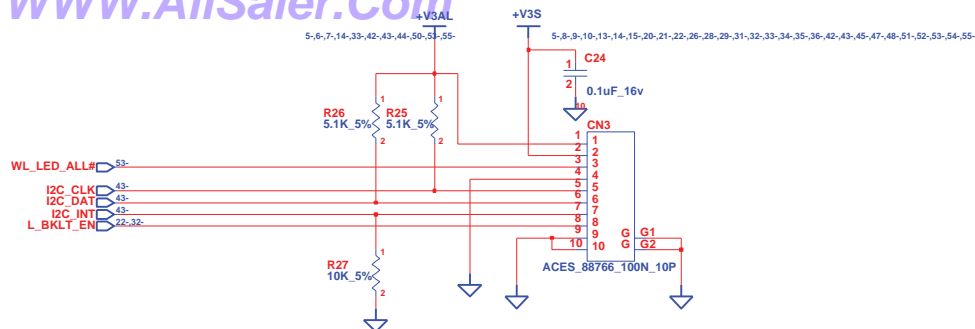


WLAN_Bluetooth LED

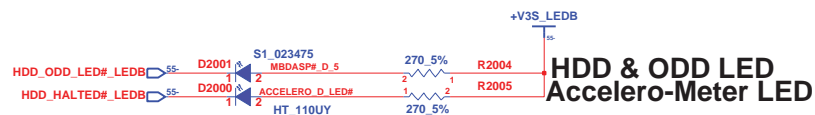
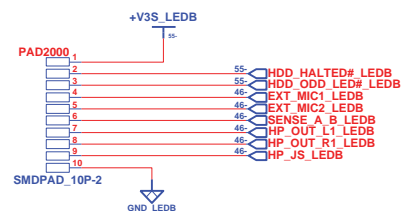
INVENTEC			
TITLE: Hangzhou BUTTON&SWITCH&LED			
SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
CHANGE by Phil		26-May-2008	
SHEET 53		OF 56	

	1	2	3	4	5	6	7	8	
A	WWW.AliSaler.Com								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

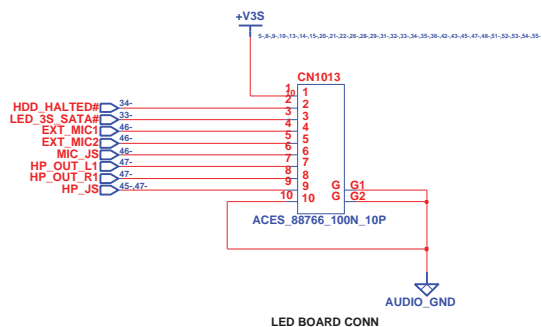
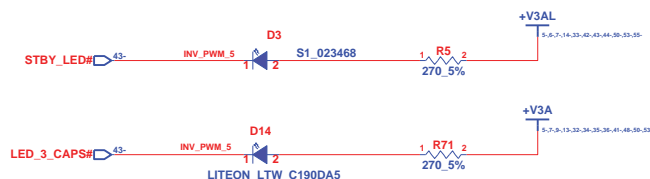
FOR LED BOARD



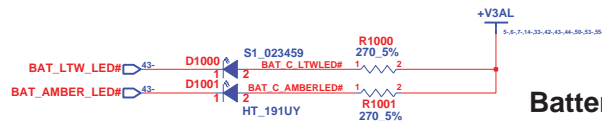
SWITCH BOARD CONN



HDD & ODD LED
Accelerometer LED



LED BOARD CONN



Battery-Charge LED

INVENTEC

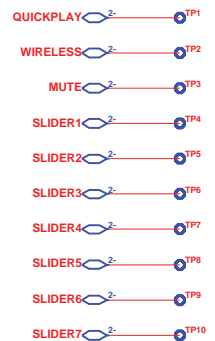
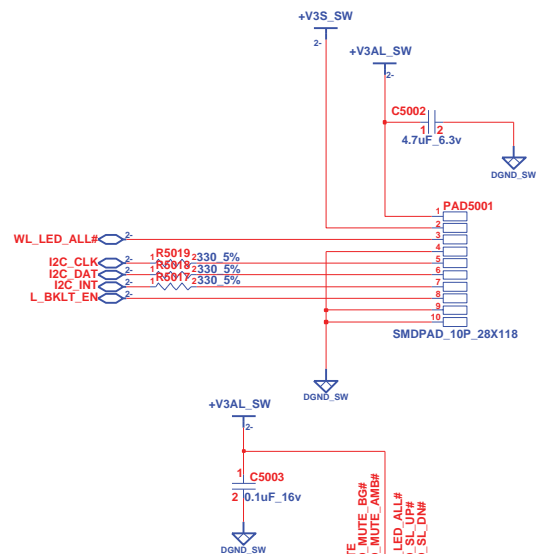
TITLE Hangzhou LED board			
SIZE D	CODE CS	DOC. NUMBER 1310A2200001-0	REV A02
SHEET		55	OF 56

CHANGE by Phil 26-May-2008

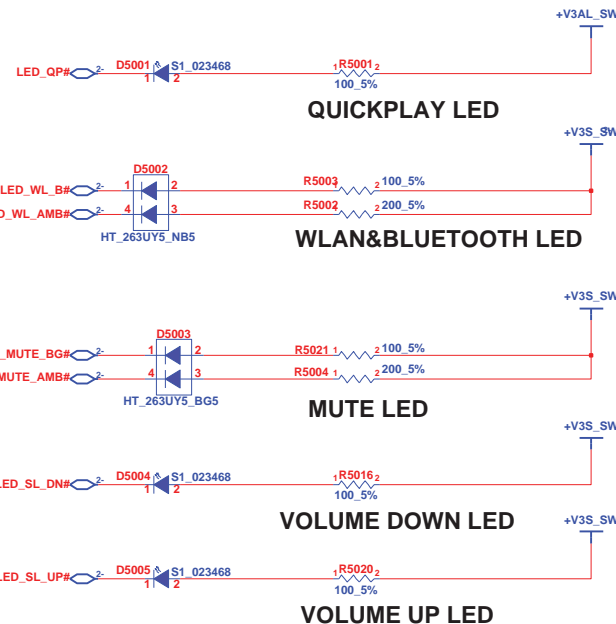
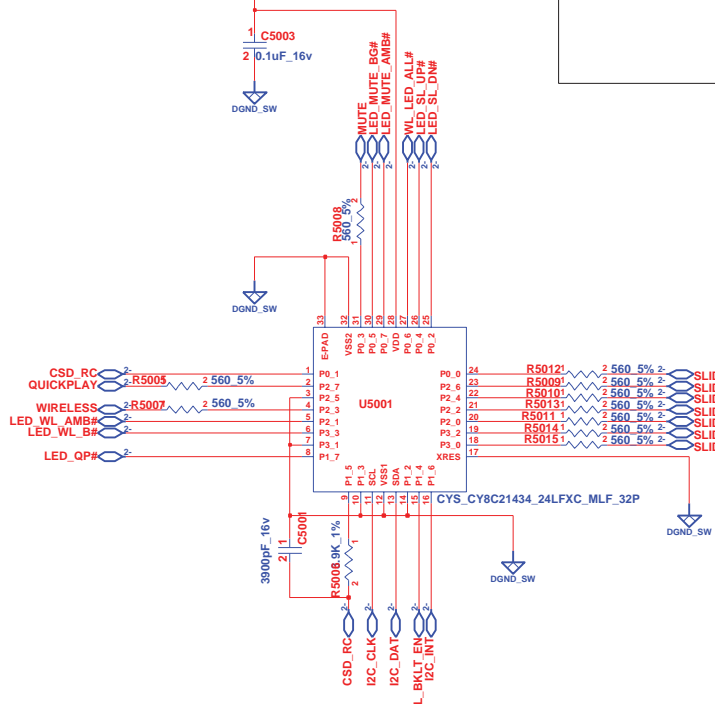
1. Placed R3002 close to U3001
2. Place D3000 close to R3002
3. D3000 & D3001 pin3 to FP_GND should be a short trace(20mil max) using three via to connect to FP_GND

INVENTEC			
TITLE		<i>Hangzhou Finger Print board</i>	
SIZE	CODE	DOC. NUMBER	R
D	CS	1310A2200001-0	A
SHEET		56	OF 56

	1	2	3	4	5	6	7	8																																																																															
A	WWW.AliSaler.Com								A																																																																														
B	<div><div>HANGZHOU 1.0 SWITCH BOARD KV MV BUILD2008.05.26</div></div>								B																																																																														
C									C																																																																														
D									D																																																																														
E									E																																																																														
F	<table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>2007/06/20</td><td>2007-ECO-009981</td><td>C</td></tr><tr><td>2007/06/20</td><td>2007-ECO-009978</td><td>B</td></tr><tr><td>2007/06/13</td><td>INITIAL</td><td>A</td></tr><tr><td>DATE</td><td>CHANGE NO.</td><td>REV</td></tr></table>																2007/06/20	2007-ECO-009981	C	2007/06/20	2007-ECO-009978	B	2007/06/13	INITIAL	A	DATE	CHANGE NO.	REV	<table><tr><td></td><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td></tr><tr><td>DRAWER</td><td>Chang, Sean</td><td>2007-MAY-08</td><td>---</td><td>---</td></tr><tr><td>DESIGN</td><td>Chang, Sean</td><td>2007-MAY-08</td><td>---</td><td>---</td></tr><tr><td>CHECK</td><td>Chen, Te-Yu</td><td>2007-MAY-08</td><td>---</td><td>---</td></tr><tr><td>RESPONSIBLE</td><td>Chen, Te-Yu</td><td>2007-MAY-08</td><td>---</td><td>---</td></tr><tr><td colspan="5">SIZE = 3</td></tr><tr><td colspan="5">FILE NAME : SUZHOU10-6050A2141901-A01-20070508</td></tr><tr><td>P/N</td><td>6050A2141901</td><td colspan="3">VER : A01</td></tr></table>		EE	DATE	POWER	DATE	DRAWER	Chang, Sean	2007-MAY-08	---	---	DESIGN	Chang, Sean	2007-MAY-08	---	---	CHECK	Chen, Te-Yu	2007-MAY-08	---	---	RESPONSIBLE	Chen, Te-Yu	2007-MAY-08	---	---	SIZE = 3					FILE NAME : SUZHOU10-6050A2141901-A01-20070508					P/N	6050A2141901	VER : A01			<table><tr><td colspan="4">INVENTEC</td></tr><tr><td colspan="4">TITLE Hangzhou</td></tr><tr><td>SIZE D</td><td>CODE CS</td><td>DOC. NUMBER 1310A2199801-0</td><td>REV A02</td></tr><tr><td colspan="2">SHEET 1</td><td colspan="2">OF 2</td></tr></table>	INVENTEC				TITLE Hangzhou				SIZE D	CODE CS	DOC. NUMBER 1310A2199801-0	REV A02	SHEET 1		OF 2		F
2007/06/20	2007-ECO-009981	C																																																																																					
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SHEET 1		OF 2																																																																																					
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Capsense Pads



INVENTEC

TITLE: **Hangzhou LED/SWITCH BOARD**

SIZE: **D** CODE: **CS** DOC. NUMBER: **1310A2199801-0** REV: **A01**

CHANGE by: **Phil Huang** 26-May-2008

SHEET: **2** OF **2**

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A	WWW.AliSaler.Com								A																																																																																							
B	<div>HANGZHOU 1.0 SWITCH BOARD AN MV BUILD2008.05.26</div>								B																																																																																							
C									C																																																																																							
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E									E																																																																																							
F	<table><tr><td>2007/06/23</td><td>2007-ECO-010472</td><td>D</td></tr><tr><td>2007/06/21</td><td>2007-ECO-010109</td><td>C</td></tr><tr><td>2007/06/20</td><td>2007-ECO-009978</td><td>B</td></tr><tr><td>2007/06/13</td><td>2007-ECO-009740</td><td>A</td></tr><tr><td>2007/05/09</td><td>2007-ECO-007323</td><td>AX6</td></tr><tr><td>2007/05/05</td><td>2007-ECO-007097</td><td>AX5</td></tr><tr><td>2007/04/18</td><td>2007-ECO-006054</td><td>AX4</td></tr><tr><td>2007/04/02</td><td>2007-ECO-004949</td><td>AX3</td></tr><tr><td>2007/03/27</td><td>2007-ECO-004662</td><td>AX2</td></tr><tr><td>2007/03/26</td><td>2007-ECO-004581</td><td>AX1</td></tr><tr><td>2007/02/16</td><td>INITIAL</td><td>X01</td></tr><tr><td>DATE</td><td>CHANGE NO.</td><td>REV</td></tr></table>	2007/06/23	2007-ECO-010472	D	2007/06/21	2007-ECO-010109	C	2007/06/20	2007-ECO-009978	B	2007/06/13	2007-ECO-009740	A	2007/05/09	2007-ECO-007323	AX6	2007/05/05	2007-ECO-007097	AX5	2007/04/18	2007-ECO-006054	AX4	2007/04/02	2007-ECO-004949	AX3	2007/03/27	2007-ECO-004662	AX2	2007/03/26	2007-ECO-004581	AX1	2007/02/16	INITIAL	X01	DATE	CHANGE NO.	REV	<table><tr><td></td><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td><td rowspan="5">INVENTEC Hangzhou</td></tr><tr><td>DRAWER</td><td>Chang, Sean</td><td>2007-JUN-01</td><td>---</td><td>---</td></tr><tr><td>DESIGN</td><td>Chang, Sean</td><td>2007-JUN-01</td><td>---</td><td>---</td></tr><tr><td>CHECK</td><td>Chen, Te-Yu</td><td>2007-JUN-01</td><td>---</td><td>---</td></tr><tr><td>RESPONSIBLE</td><td>Chen, Te-Yu</td><td>2007-JUN-01</td><td>---</td><td>---</td></tr><tr><td colspan="5">SIZE = 3VER : A03</td><td>SIZE DCS</td><td>DOC. NUMBER</td><td>REV</td></tr><tr><td colspan="5">FILE NAME : SUZHOU10-6050A2142001-SWB-A03-20070601</td><td>1310A2200101-0</td><td>A02</td><td></td></tr><tr><td colspan="5">P/N 6050A2142001</td><td colspan="3">SHEET 1 OF 2</td></tr></table>									EE	DATE	POWER	DATE	INVENTEC Hangzhou	DRAWER	Chang, Sean	2007-JUN-01	---	---	DESIGN	Chang, Sean	2007-JUN-01	---	---	CHECK	Chen, Te-Yu	2007-JUN-01	---	---	RESPONSIBLE	Chen, Te-Yu	2007-JUN-01	---	---	SIZE = 3VER : A03					SIZE DCS	DOC. NUMBER	REV	FILE NAME : SUZHOU10-6050A2142001-SWB-A03-20070601					1310A2200101-0	A02		P/N 6050A2142001					SHEET 1 OF 2			F
2007/06/23	2007-ECO-010472	D																																																																																														
2007/06/21	2007-ECO-010109	C																																																																																														
2007/06/20	2007-ECO-009978	B																																																																																														
2007/06/13	2007-ECO-009740	A																																																																																														
2007/05/09	2007-ECO-007323	AX6																																																																																														
2007/05/05	2007-ECO-007097	AX5																																																																																														
2007/04/18	2007-ECO-006054	AX4																																																																																														
2007/04/02	2007-ECO-004949	AX3																																																																																														
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P/N 6050A2142001					SHEET 1 OF 2																																																																																											
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The diagram illustrates a 10-bit bus system. On the left, there are 10 transmitters, each labeled with a function and a number: INFORMATION 2, PRESENTATION 2, WIRELESS 2, MUTE 2, SLIDER1 2, SLIDER2 2, SLIDER3 2, SLIDER4 2, SLIDER5 2, and SLIDER6 2. Each transmitter is connected to a red line representing the bus. On the right, there are 10 receivers, each labeled with a number: TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, and TP10. Each receiver is also connected to the same red bus line. The bus line is a single continuous red line that branches out to each transmitter and each receiver.

INFORMATION LED

LED_QL4 2- D4001 S1 023468 1 2 R4001 1 100.5% 2- +V3S_SW

PRESENTATION LED

LED_PRES4 2- D4002 S1 023468 1 2 R4002 1 100.5% 2- +V3S_SW

WLAN&BLUETOOTH LED

LED_WL_BA 2- D4003 1 2 R4003 2 100.5%
 LED_WL_AMBA 2- 4 3 R4004 2 200.5%
 HT_263UY5_NB5

MUTE LED

LED_MUTE_AMBA 2- D4004 23 21B_Y2C_AN1P2_2A 1 2 R4005 2 200.5% 2- +V3S_SW

VOLUME DOWN LED

LED_SL_DNA 2- D4005 S1 023468 1 2 R4002 1 100.5% 2- +V3S_SW

VOLUME UP LED

LED_SL_UPA 2- D4006 S1 023468 1 2 R4003 1 100.5% 2- +V3S_SW

FIX4
 FIX_MASK_0.8

FIX2
 FIX_MASK_0.8

FIX3
 FIX_MASK_0.8

TITLE				<i>Hangzhou</i> LED/SWITCH BOARD
SIZE	CODE	DOC. NUMBER	REVISION	
D	CS	1310A2200101-0	A0	
SHEET		2	OF	2

CHANGE by	<i>Phil Huang</i>	26-May-2008
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