

	1	2	3	4	5	6	7	8																																																																																												
A	<div>THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF INVENTEC CORPORATION AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION, INVENTEC CORPORATION 2009 ALL RIGHT RESERVED</div> <div>HSF Property : <b>RoHS</b></div>								A																																																																																											
B									B																																																																																											
C									C																																																																																											
D									D																																																																																											
E									E																																																																																											
F	<table border="1"><thead><tr><th>DATE</th><th>CHANGE NO.</th><th>REV</th></tr></thead><tbody><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></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></tbody></table>		DATE	CHANGE NO.	REV																												<table border="1"><thead><tr><th>DRAWER</th><th>EE</th><th>DATE</th><th>POWER</th><th>DATE</th></tr></thead><tbody><tr><td>DESIGN</td><td></td><td></td><td></td><td></td></tr><tr><td>CHECK</td><td></td><td></td><td></td><td></td></tr><tr><td>RESPONSIBLE</td><td></td><td></td><td></td><td></td></tr><tr><td colspan="2">SIZE = 3</td><td colspan="3">VER :</td></tr><tr><td colspan="5">FILE NAME : XXXX-XXXXXX-XX</td></tr><tr><td>P/N</td><td colspan="4">XXXXXXXXXXXX</td></tr></tbody></table>						DRAWER	EE	DATE	POWER	DATE	DESIGN					CHECK					RESPONSIBLE					SIZE = 3		VER :			FILE NAME : XXXX-XXXXXX-XX					P/N	XXXXXXXXXXXX				<table border="1"><thead><tr><th colspan="4">INVENTEC</th></tr><tr><th colspan="4">TITLE</th></tr><tr><td colspan="4">Piaget 2.0 Discrete</td></tr><tr><td>SIZE</td><td>CODE</td><td>DOC. NUMBER</td><td>REV</td></tr><tr><td>A3</td><td>CS</td><td>1310A22683-0-MTR</td><td>A02</td></tr><tr><td colspan="2">SHEET</td><td colspan="2">1 OF 60</td></tr></thead></table>		INVENTEC				TITLE				Piaget 2.0 Discrete				SIZE	CODE	DOC. NUMBER	REV	A3	CS	1310A22683-0-MTR	A02	SHEET		1 OF 60		F
DATE	CHANGE NO.	REV																																																																																																		
DRAWER	EE	DATE	POWER	DATE																																																																																																
DESIGN																																																																																																				
CHECK																																																																																																				
RESPONSIBLE																																																																																																				
SIZE = 3		VER :																																																																																																		
FILE NAME : XXXX-XXXXXX-XX																																																																																																				
P/N	XXXXXXXXXXXX																																																																																																			
INVENTEC																																																																																																				
TITLE																																																																																																				
Piaget 2.0 Discrete																																																																																																				
SIZE	CODE	DOC. NUMBER	REV																																																																																																	
A3	CS	1310A22683-0-MTR	A02																																																																																																	
SHEET		1 OF 60																																																																																																		

Schematic Diagrams

## TABLE OF CONTENTS

### 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- DDR2-DIMM0  
21- DDR2-DIMM1  
22- DDR2-DAMPING  
23- THERMAL&FAN CONTROLLER  
24- RS780-1  
25- RS780-2  
26- RS780-3  
27- RS780-4  
28- GPU-AMD-M92S2-1  
29- GPU-AMD-M92S2-2  
29- GPU-AMD-M92S2-3  
30- GPU-AMD-M92S2-4  
32- Video RAM(GDDR2)-1  
33- Video RAM(GDDR2)-2  
34- CRT  
35- LCD CONN & WEBCAM CONN  
36- SB700-1  
37- SB700-2  
38- SB700-3  
39- SB700-4

### PAGE

40- KBC  
41- KB & TP CONN  
42- SPI & ACCELEROMETER  
43- HDD & ODD CONN  
44- USB CONN  
45- TCM CONN  
46- FLASH MEDIA CARD  
47- AZALIA CODEC  
48- Earphone & MIC JACK  
49- AUDIO AMP & HP JACK  
50- MDC CNTR  
51- Giga-LAN- CONTROLLER  
52- NIC-10/100/1000-RJ45 CONN  
53- MINICARD & BT CONN  
54- NEW CARD & SIM CONN  
55- W/B & SW/B & LED/B CONN  
56- SCREW  
57- Power Plan CAP  
58- HDMI  
59- 15" ODD Extend Board  
60- Switch Board & LID Switch & QL

**INVENTEC**

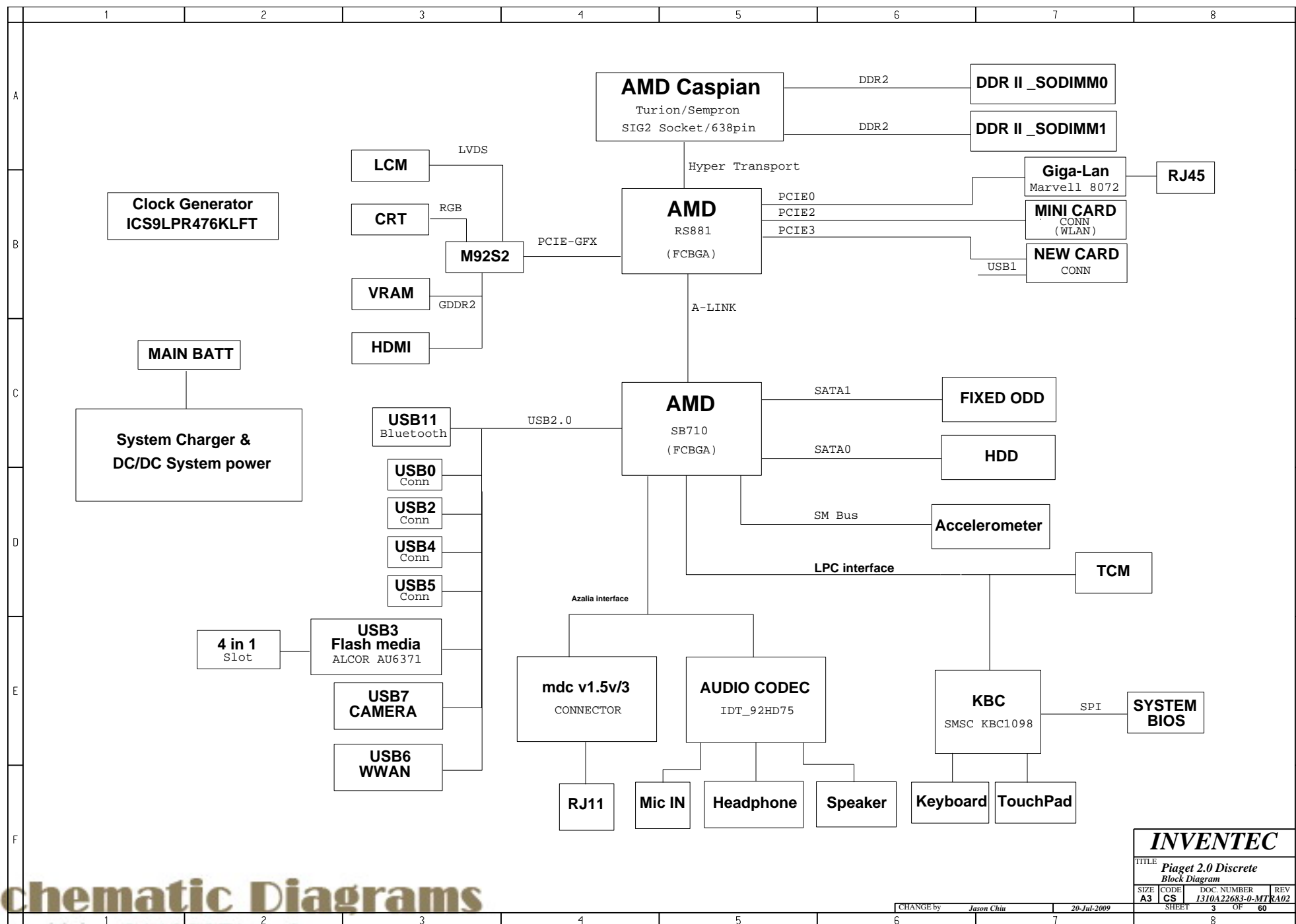
TITLE			
Piaget 2.0 Discrete			
Table Of Content			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22683-0-MTR	A02
SHEET		2	OF 60

CHANGE by Jason Chiu 20-Jul-2009

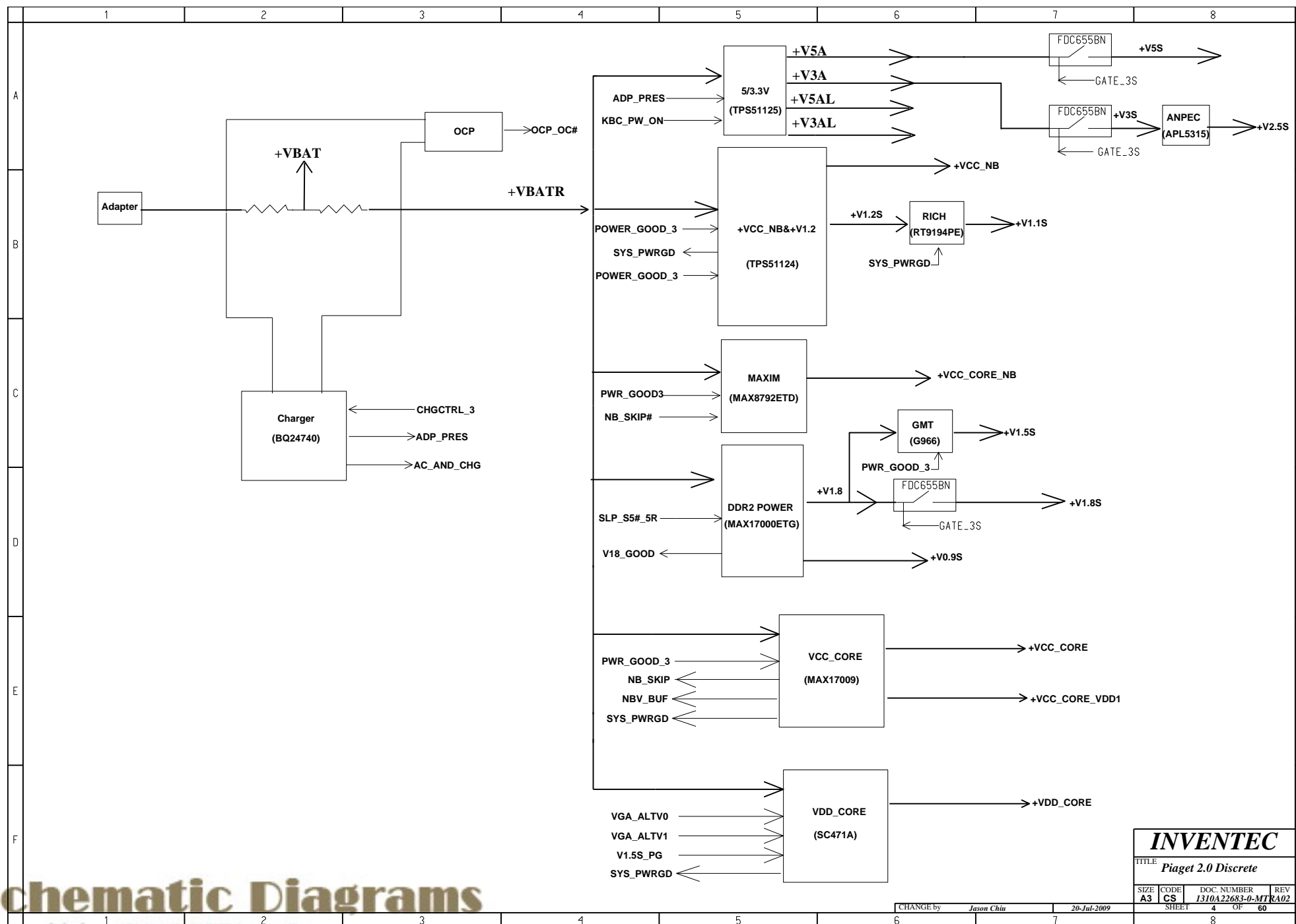
**Schematic Diagrams**

http://shop36609371.taobao.com

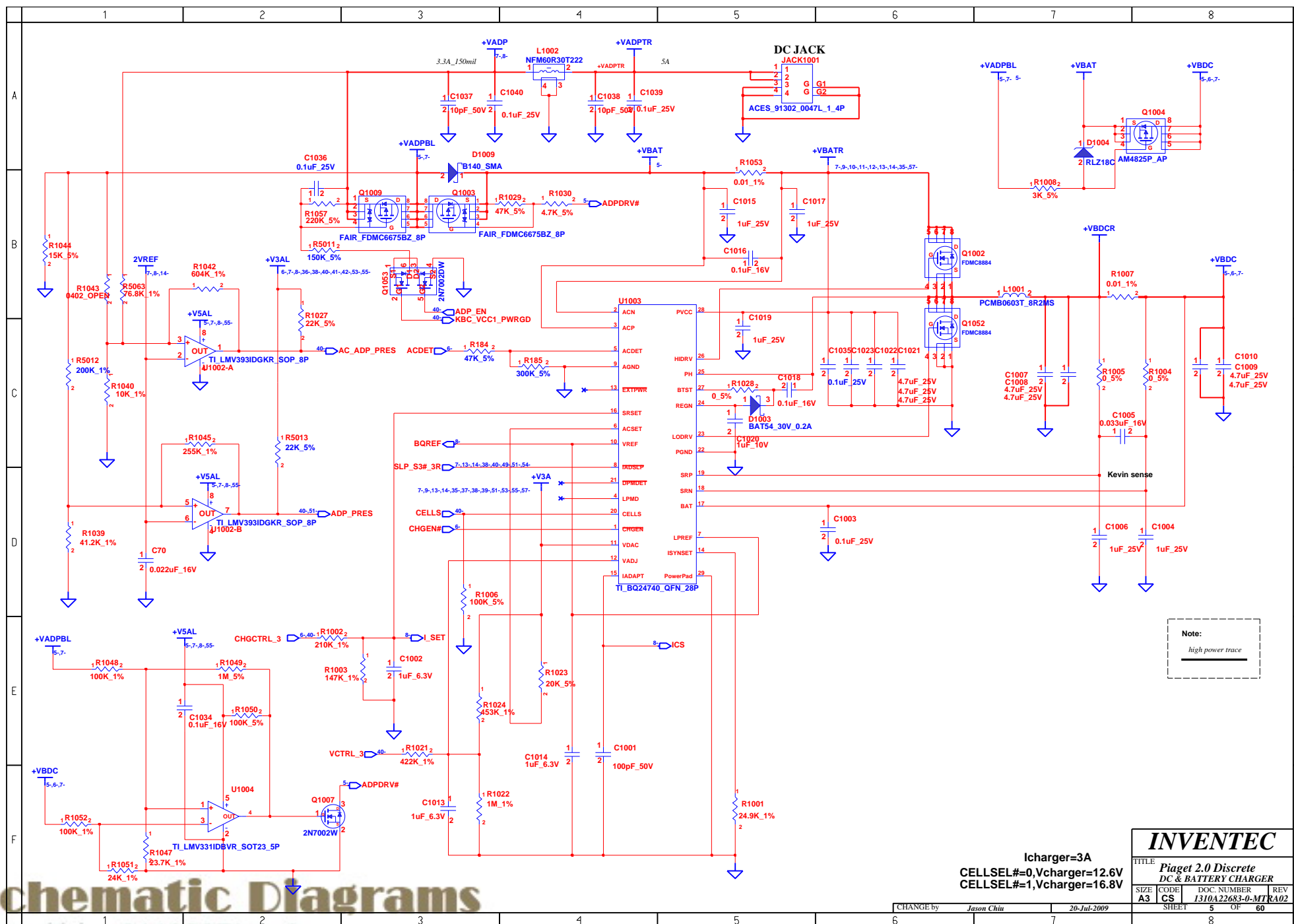
Email:52643956@qq.com



Schematic Diagrams



Schematic Diagrams

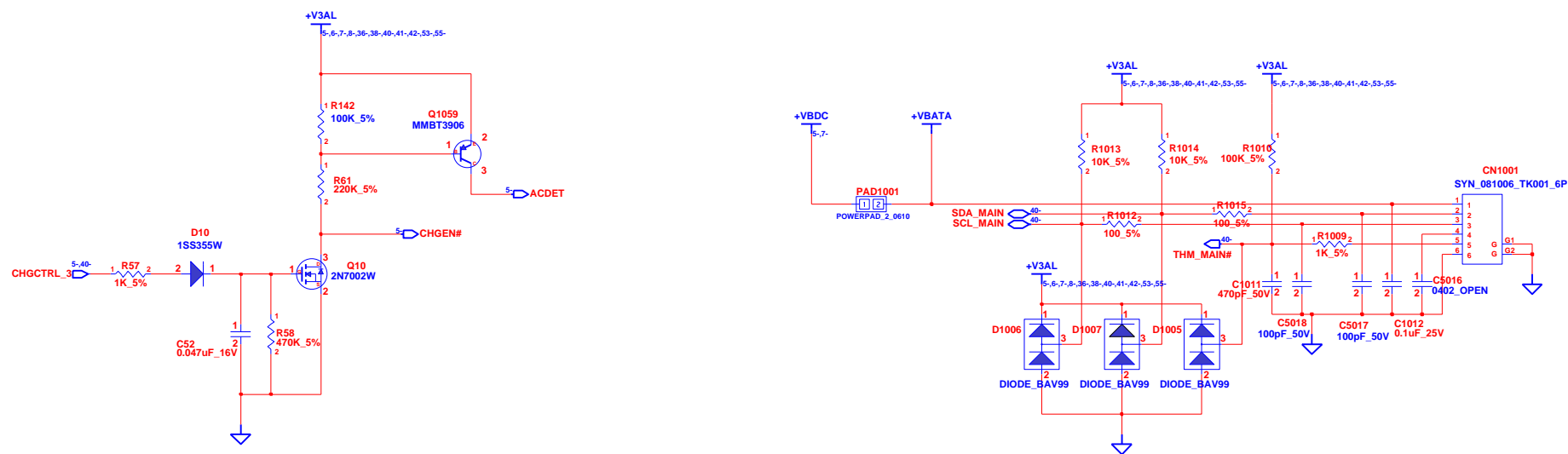


Note:  
high power trace

Icharger=3A  
CELLSEL#=0,Vcharger=12.6V  
CELLSEL#=1,Vcharger=16.8V

INVENTEC			
TITLE: Piaget 2.0 Discrete DC & BATTERY CHARGER			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A22683-0-MTR	REV: A02
CHANGE by: Jason Chu	20-Jul-2009	SHEET: 5	OF: 60

Schematic Diagrams



Schematic Diagrams

http://shop36609371.taobao.com

Email:52643956@qq.com

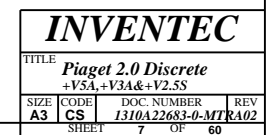
**INVENTEC**

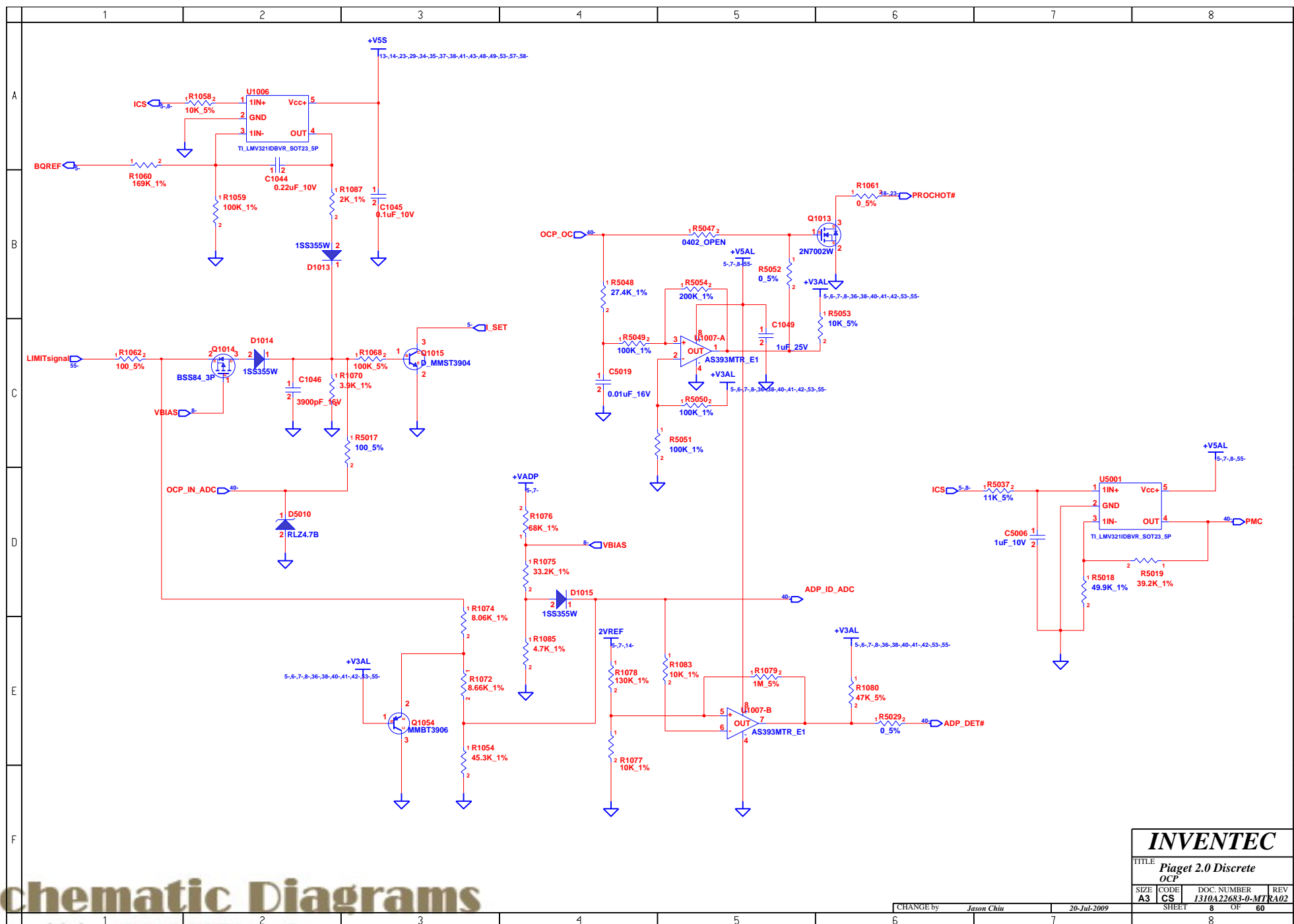
TITLE  
**Piaget 2.0 Discrete  
SELECT & BATTERY CONN**

SIZE CODE DOC. NUMBER REV  
**A3 CS 1310A22683-0-MTR A02**

CHANGE by Jason Chiu 20-Jul-2009

SHEET 6 OF 60



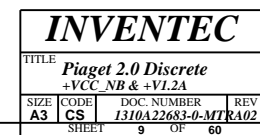


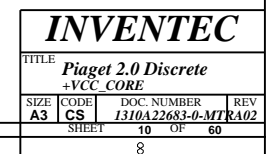
Schematic Diagrams

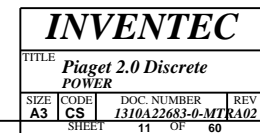
http://shop36609371.taobao.com

Email:52643956@qq.com



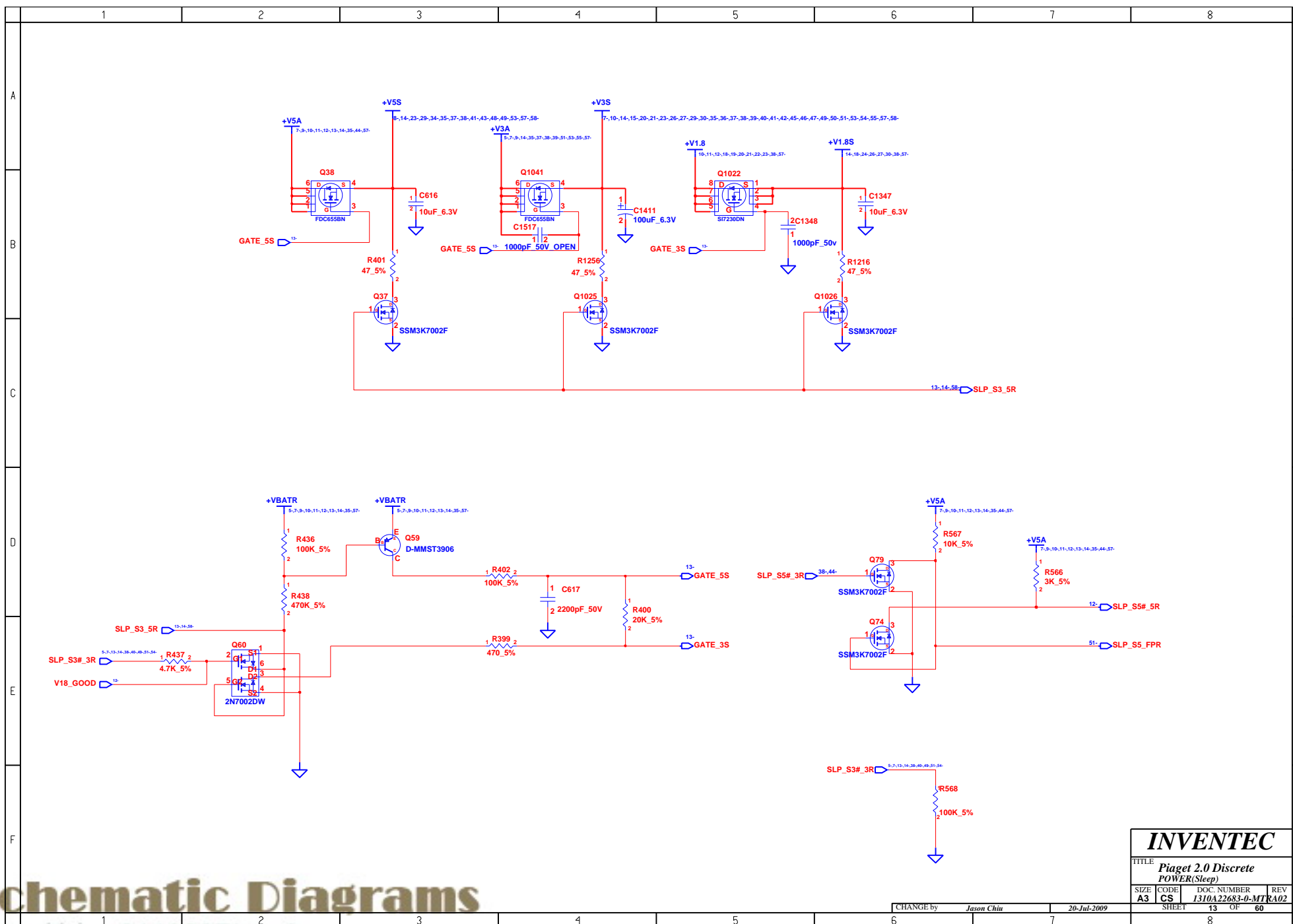








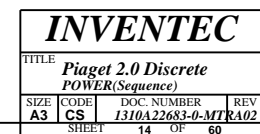
CHANGE by	<i>Jason Chiu</i>	<i>20-Jul-2009</i>
-----------	-------------------	--------------------

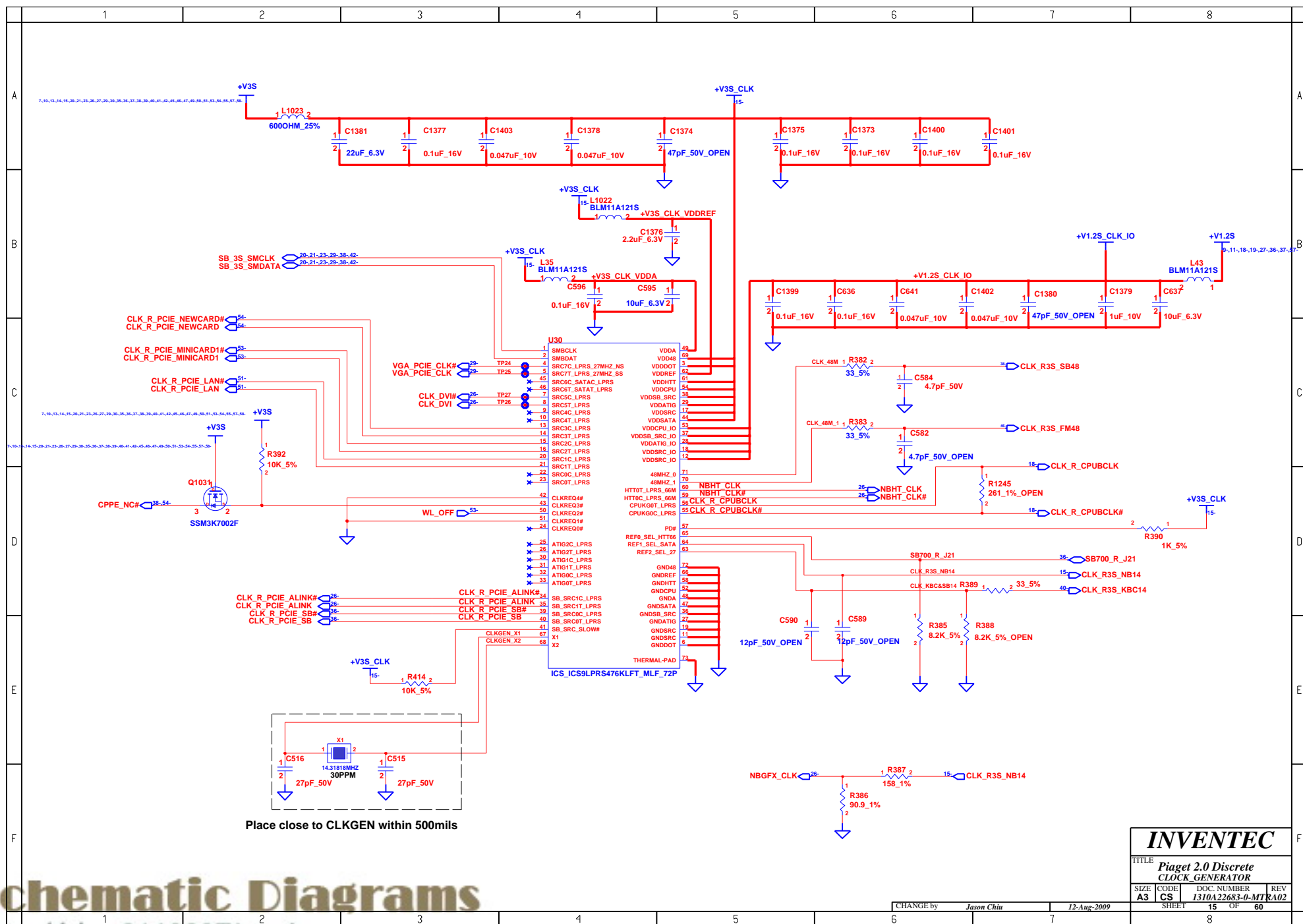


Schematic Diagrams

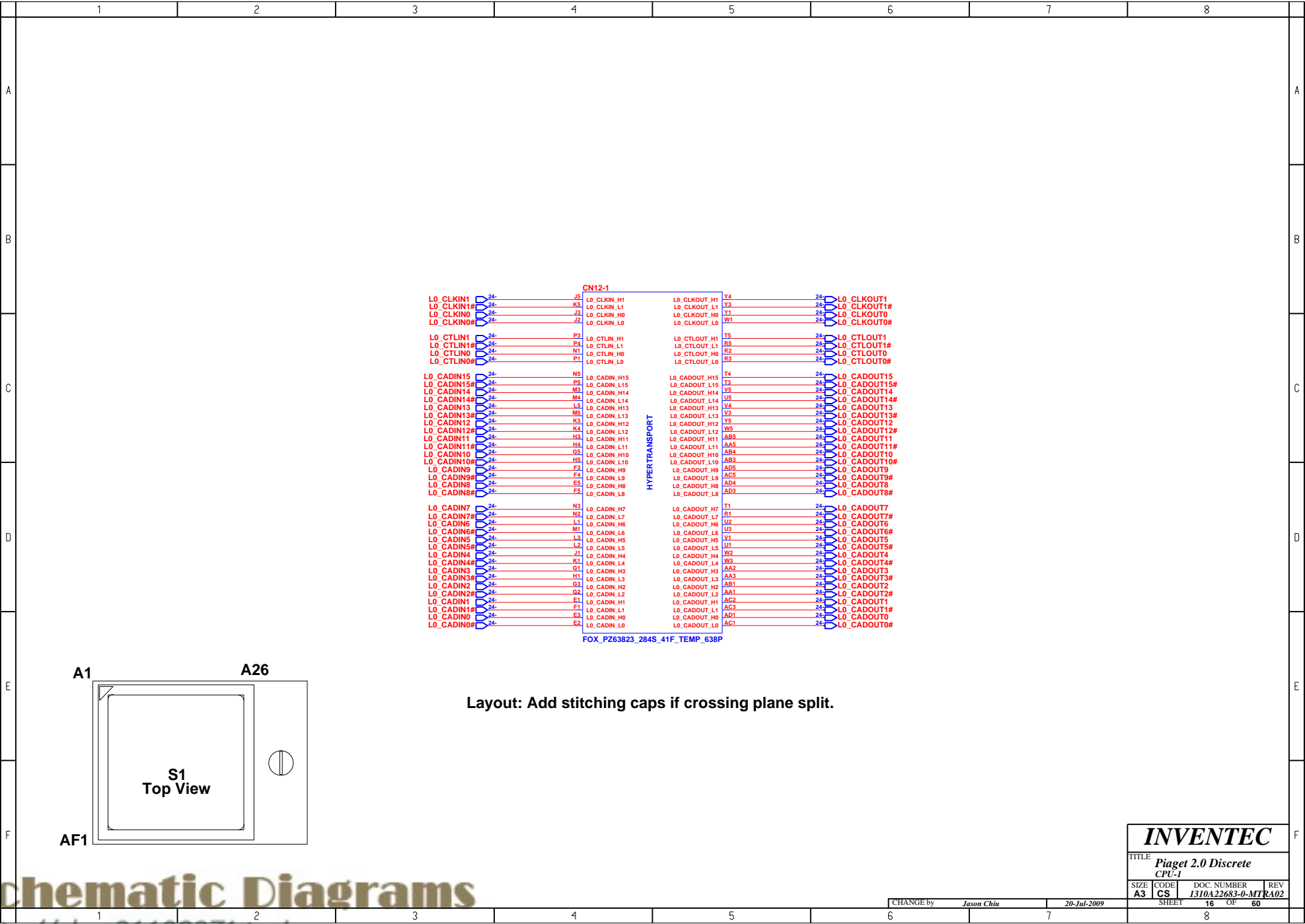
http://shop36609371.taobao.com

Email:52643956@qq.com



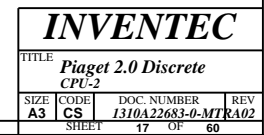


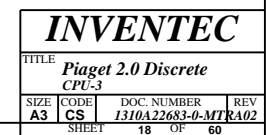
Schematic Diagrams

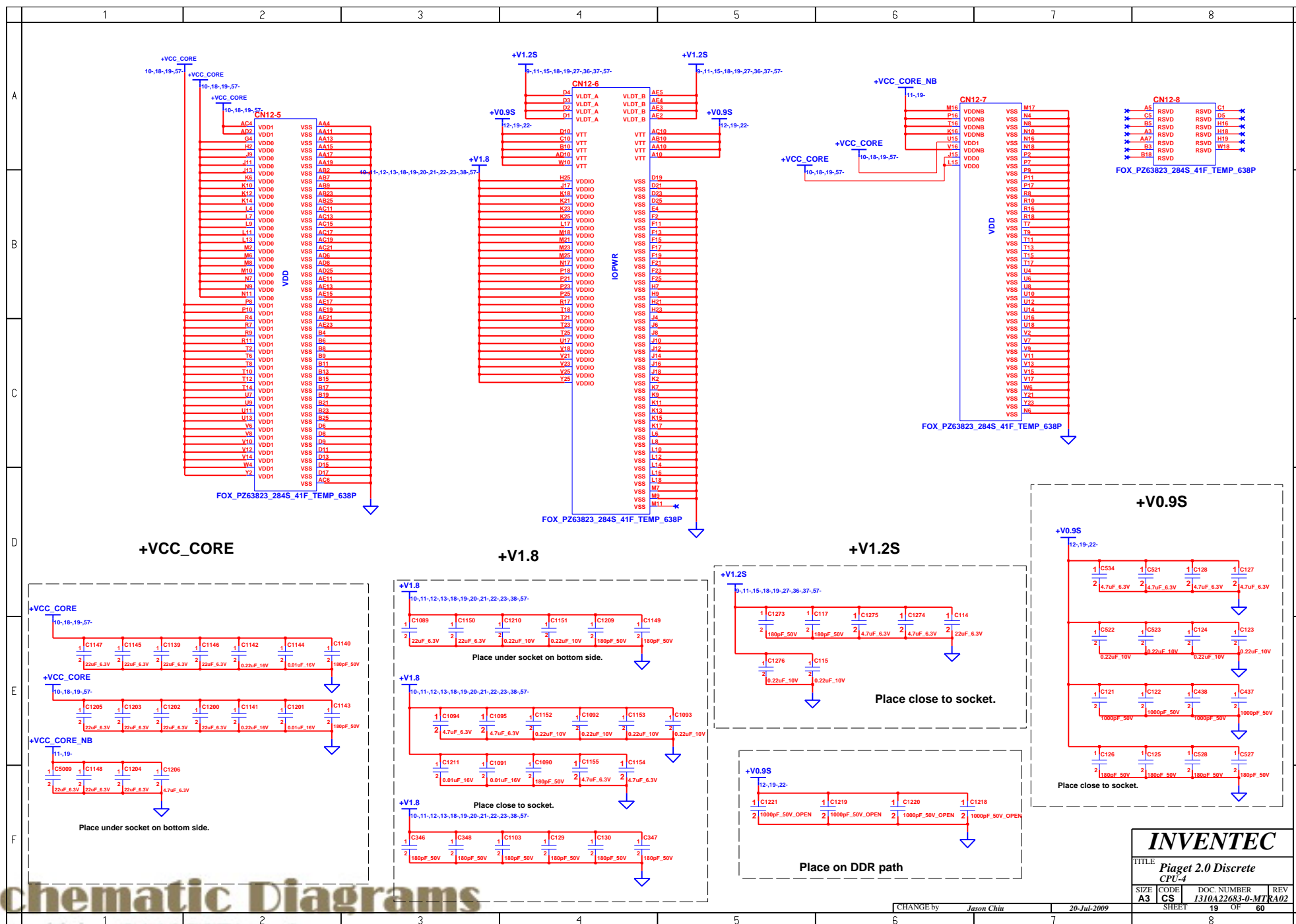


Schematic Diagrams

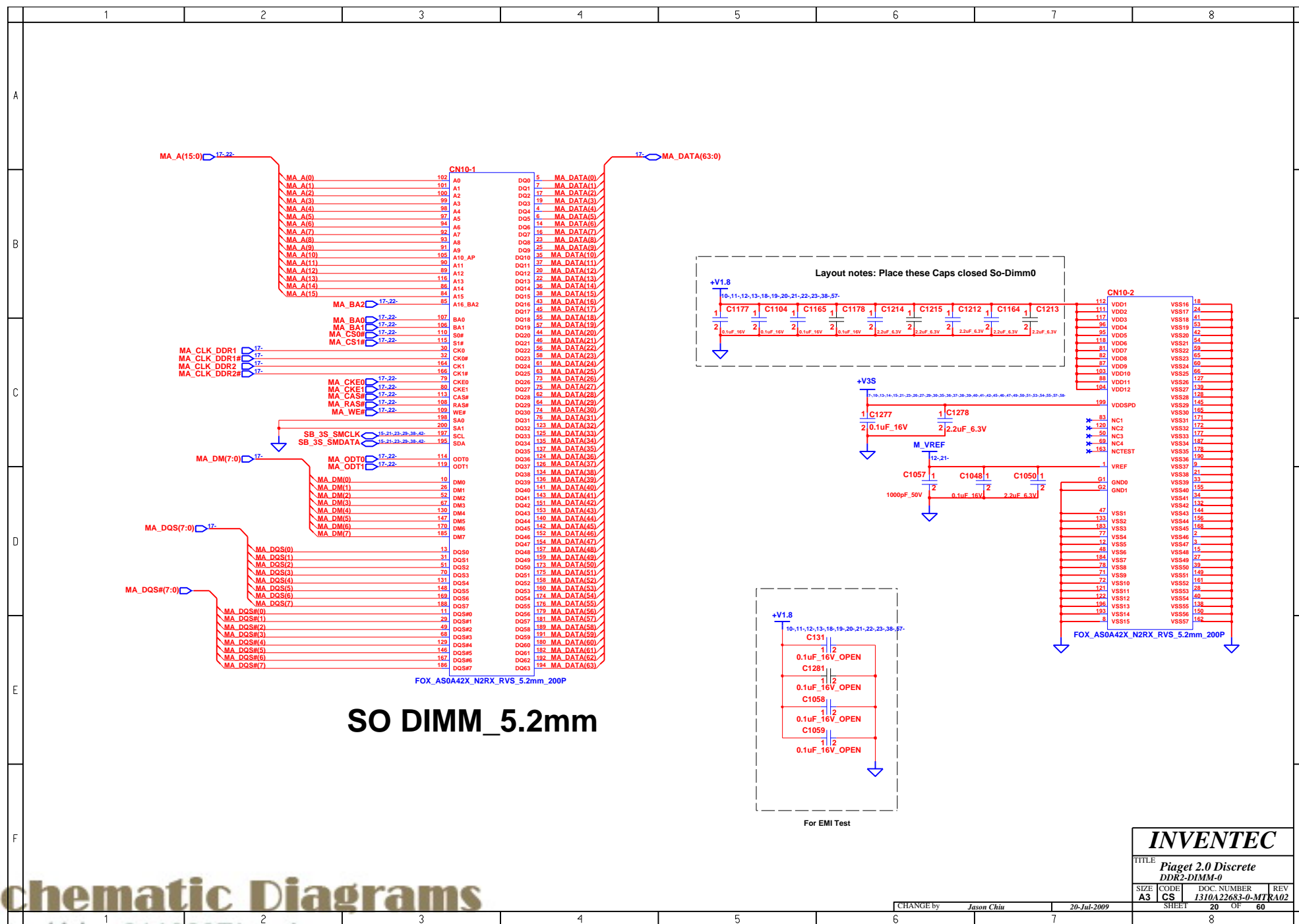




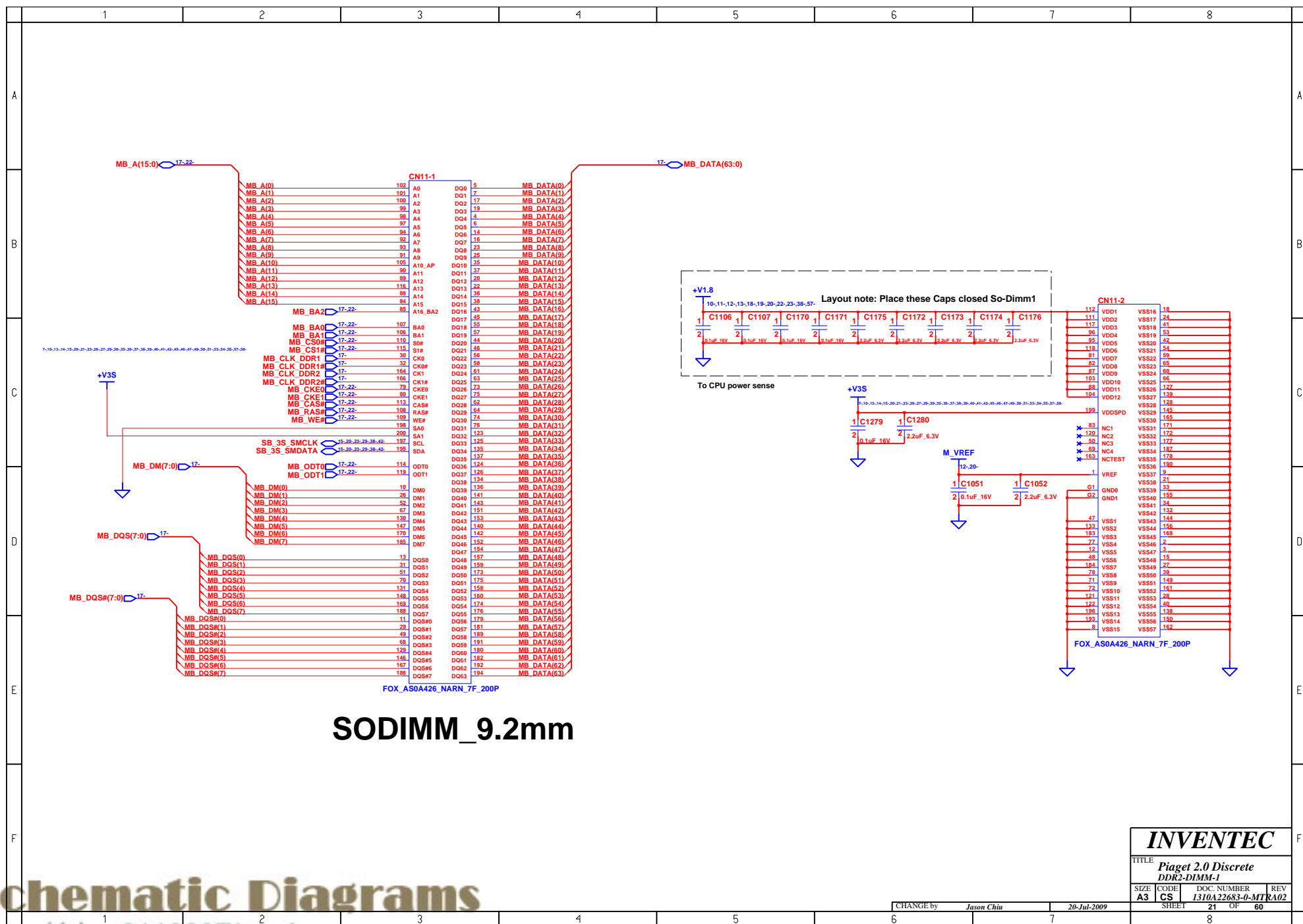


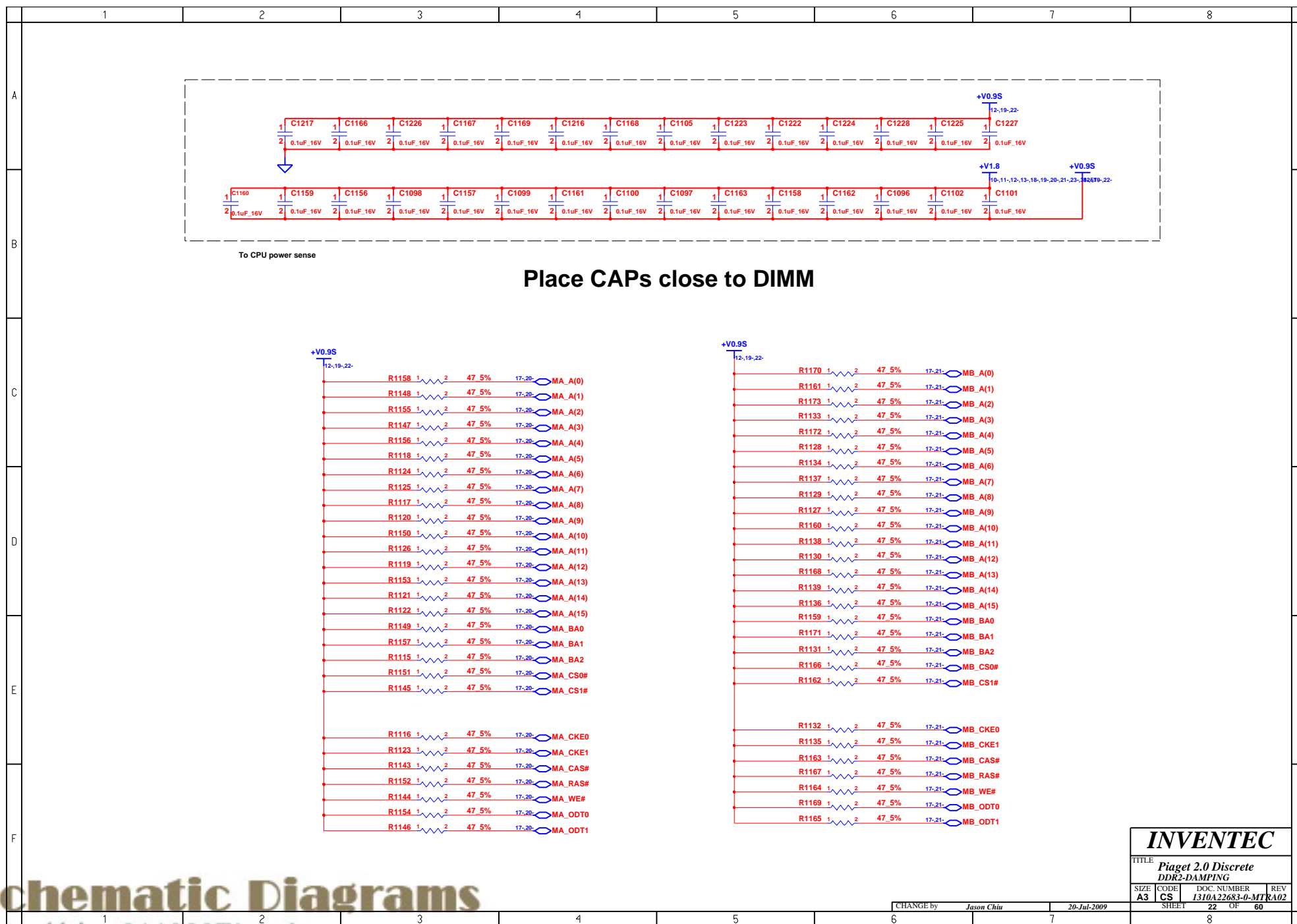


Schematic Diagrams



Schematic Diagrams



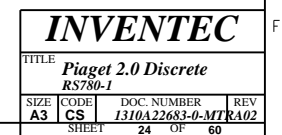


Schematic Diagrams

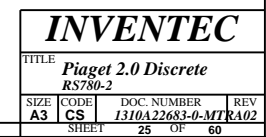


CHANGE by	<i>Jason Chiu</i>	<i>20-Jul-2009</i>
-----------	-------------------	--------------------

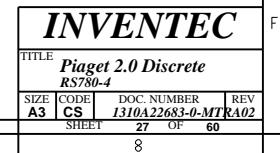




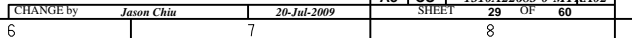


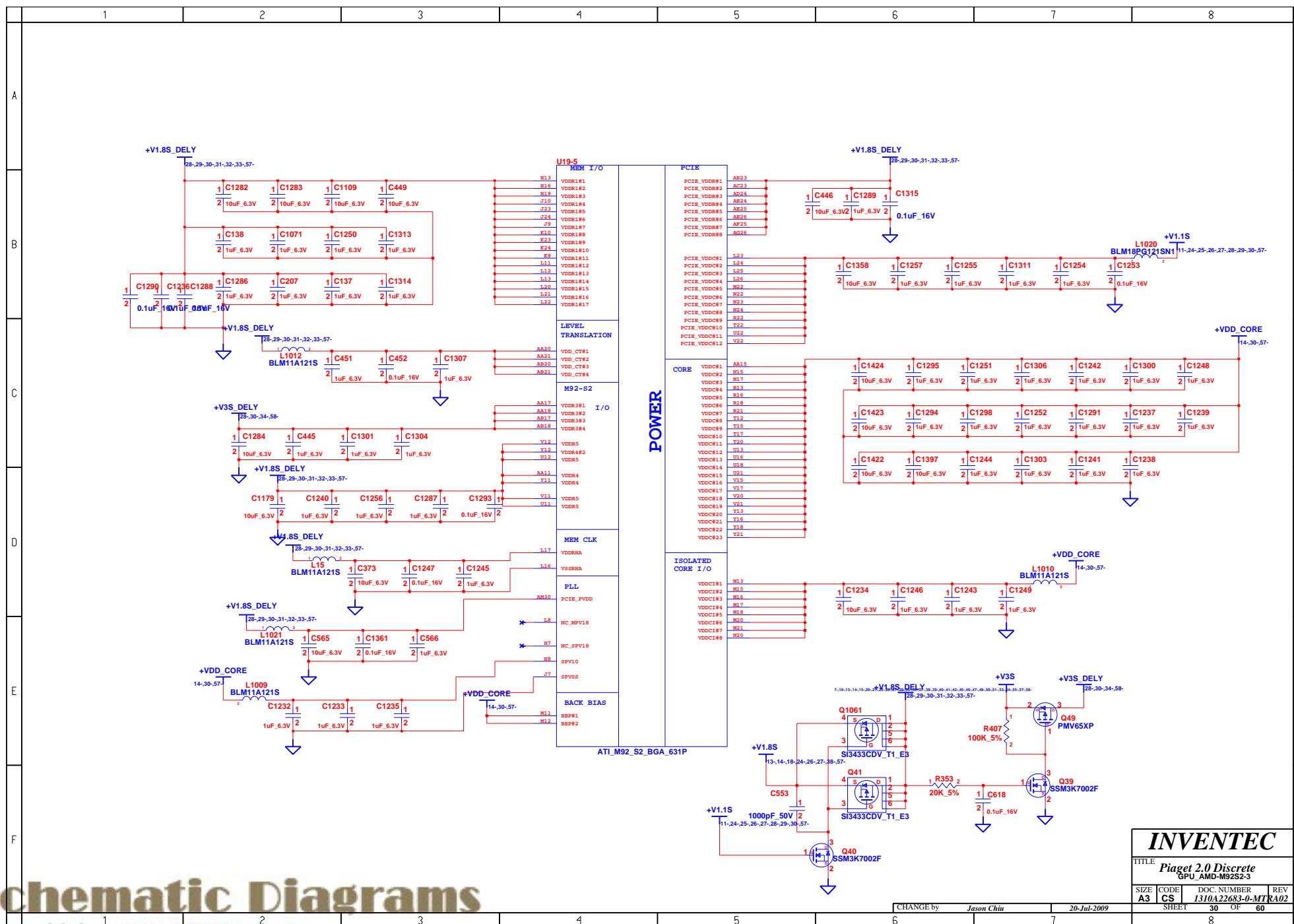








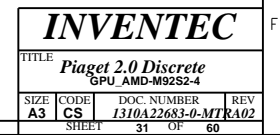




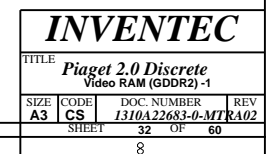
Schematic Diagrams

http://shop36609371.taobao.com

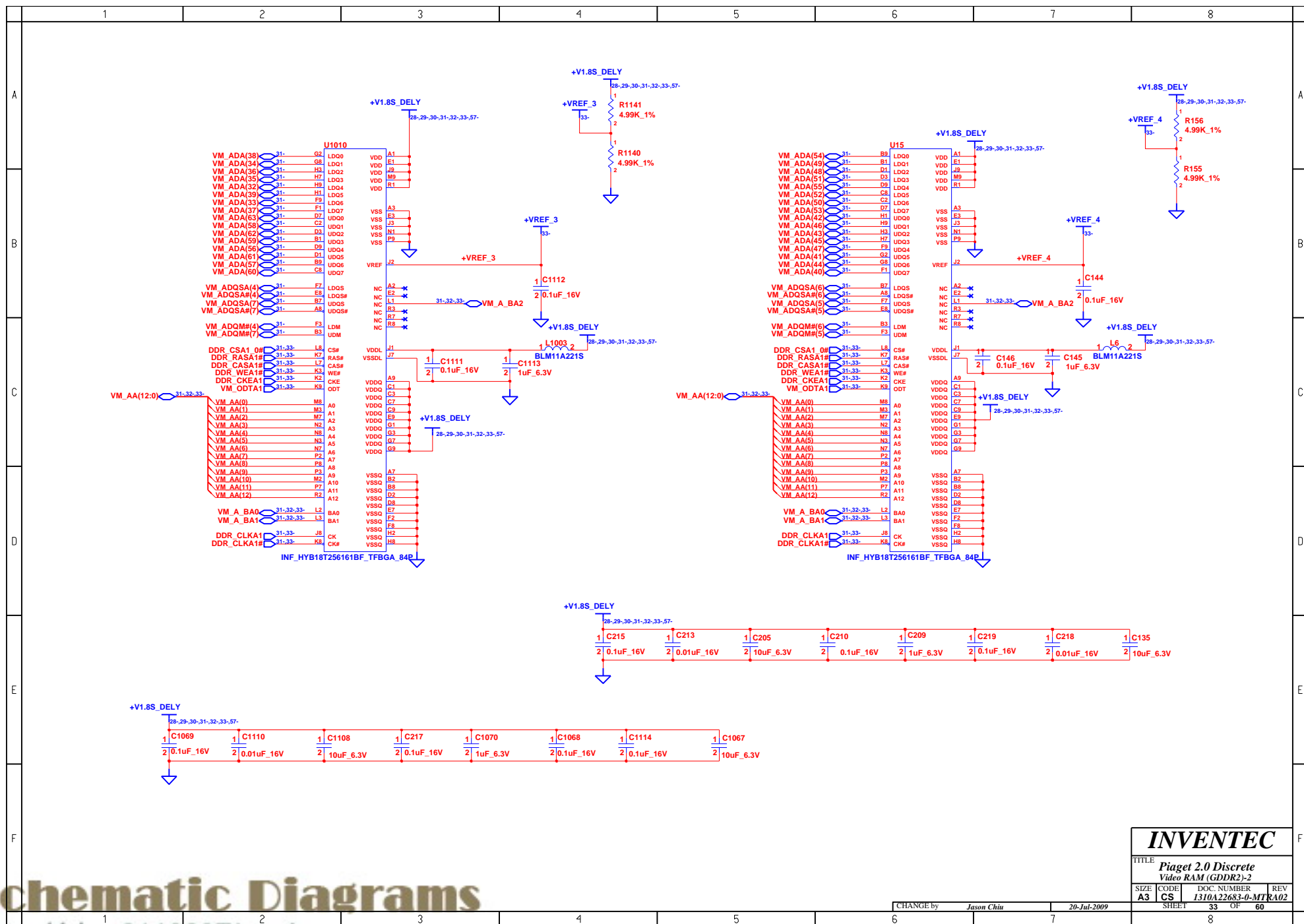
Email:52643956@qq.com











Schematic Diagrams

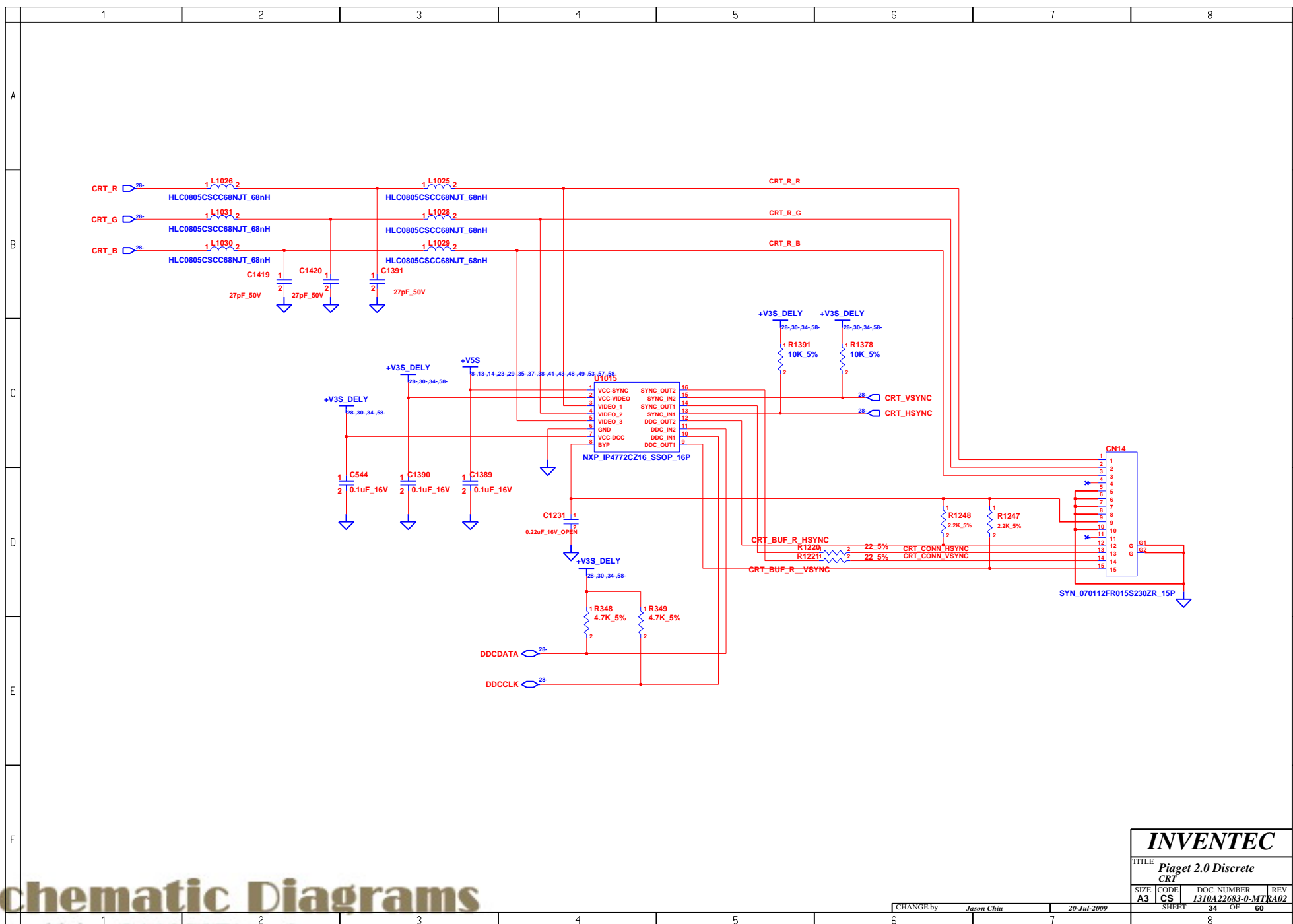
**INVENTEC**

TITLE  
**Piaget 2.0 Discrete  
Video RAM (GDDR2)-2**

SIZE CODE DOC. NUMBER REV  
**A3 CS I310A22683-0-MTR A02**

CHANGE by Jason Chiu 20-Jul-2009

SHEET 33 OF 60



Schematic Diagrams

http://shop36609371.taobao.com

Email:52643956@qq.com

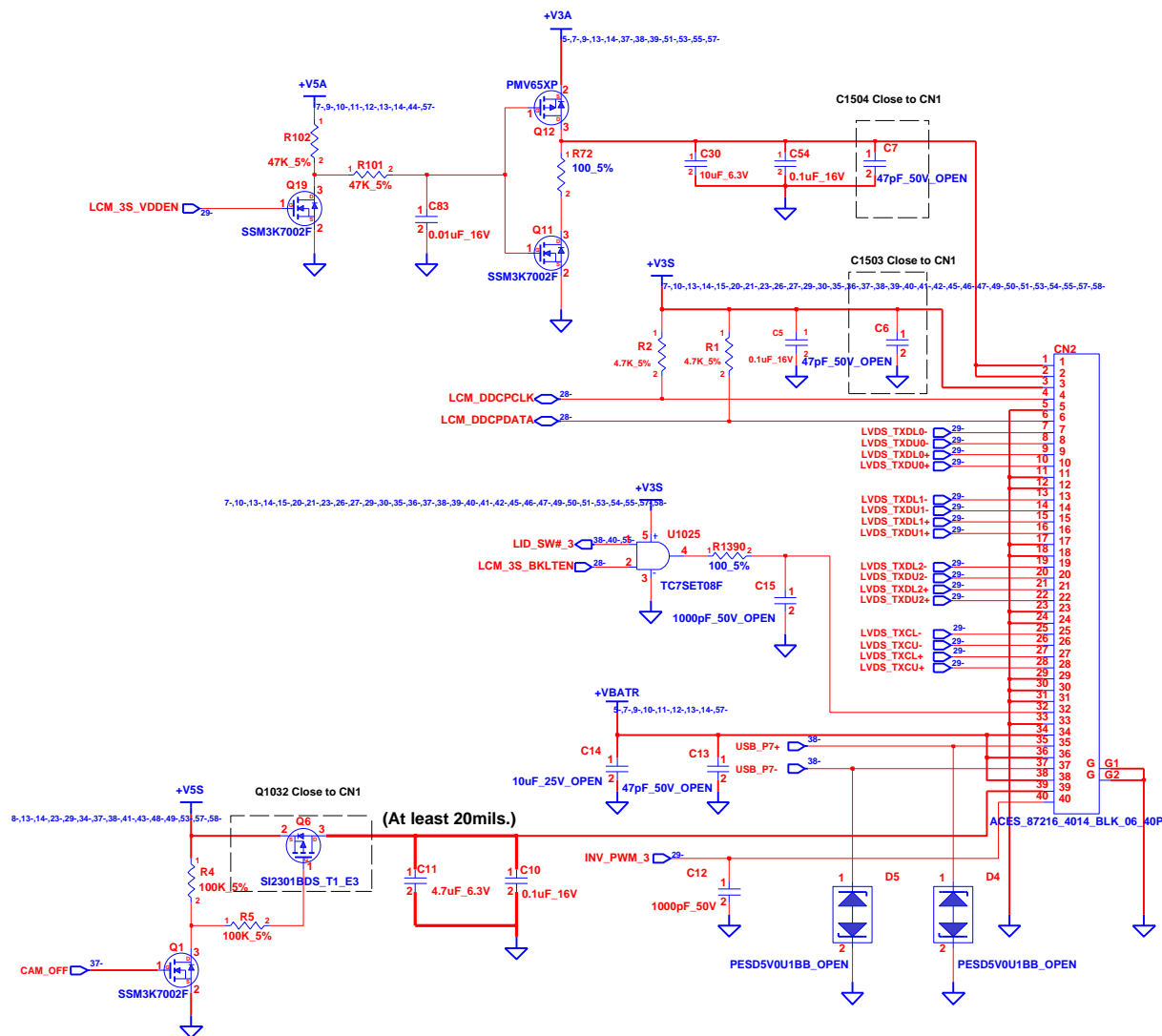
**INVENTEC**

TITLE  
**Piaget 2.0 Discrete  
CRT**

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>I310A22683-0-MTR</b>	REV <b>RA02</b>
-------------------	-------------------	--	--------------------

CHANGE by *Jason Chiu* 20-Jul-2009

SHEET 34 OF 60



Schematic Diagrams

http://shop36609371.taobao.com

Email:52643956@qq.com

**INVENTEC**

TITLE  
**Piaget 2.0 Discrete  
LCD CONN & WEBCAM CONN**

SIZE  
**A3**

CODE  
**CS**

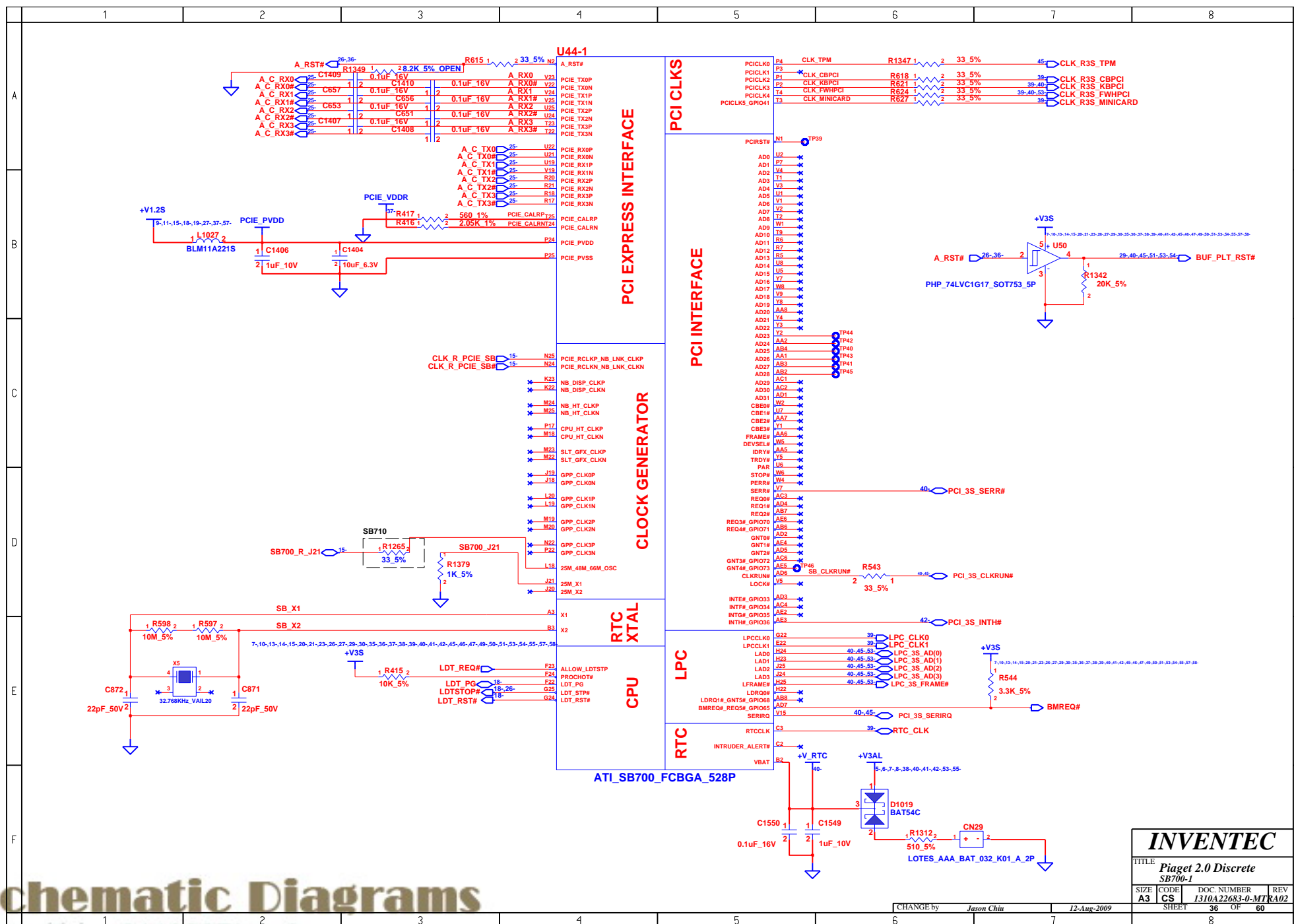
DOC. NUMBER  
**1310A22683-0-MTR**

REV  
**RA02**

CHANGE by **Jason Chiu**

**20-Jul-2009**

SHEET **35** OF **60**



Schematic Diagrams

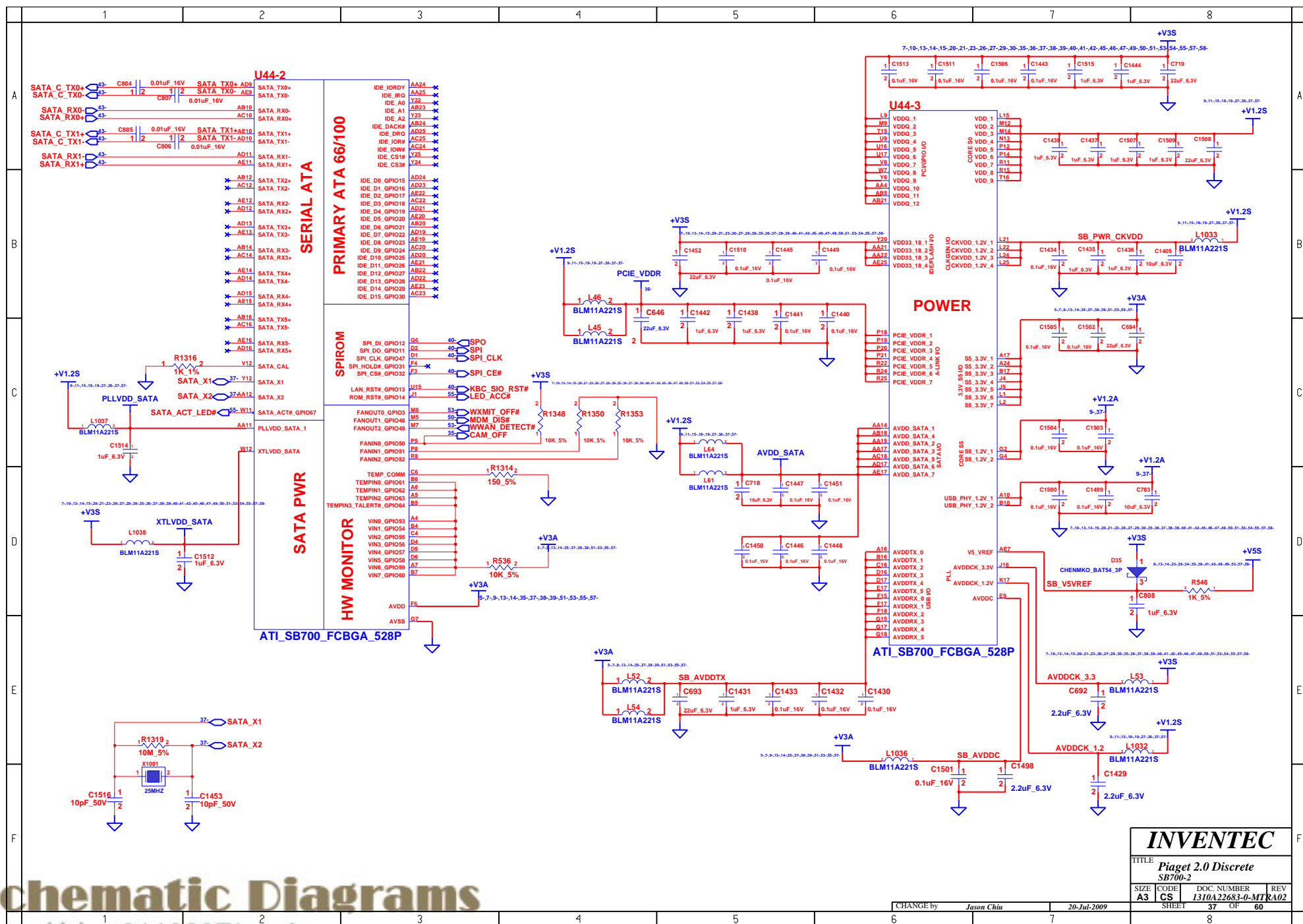
INVENTEC

TITLE  
Piaget 2.0 Discrete  
SB700-1

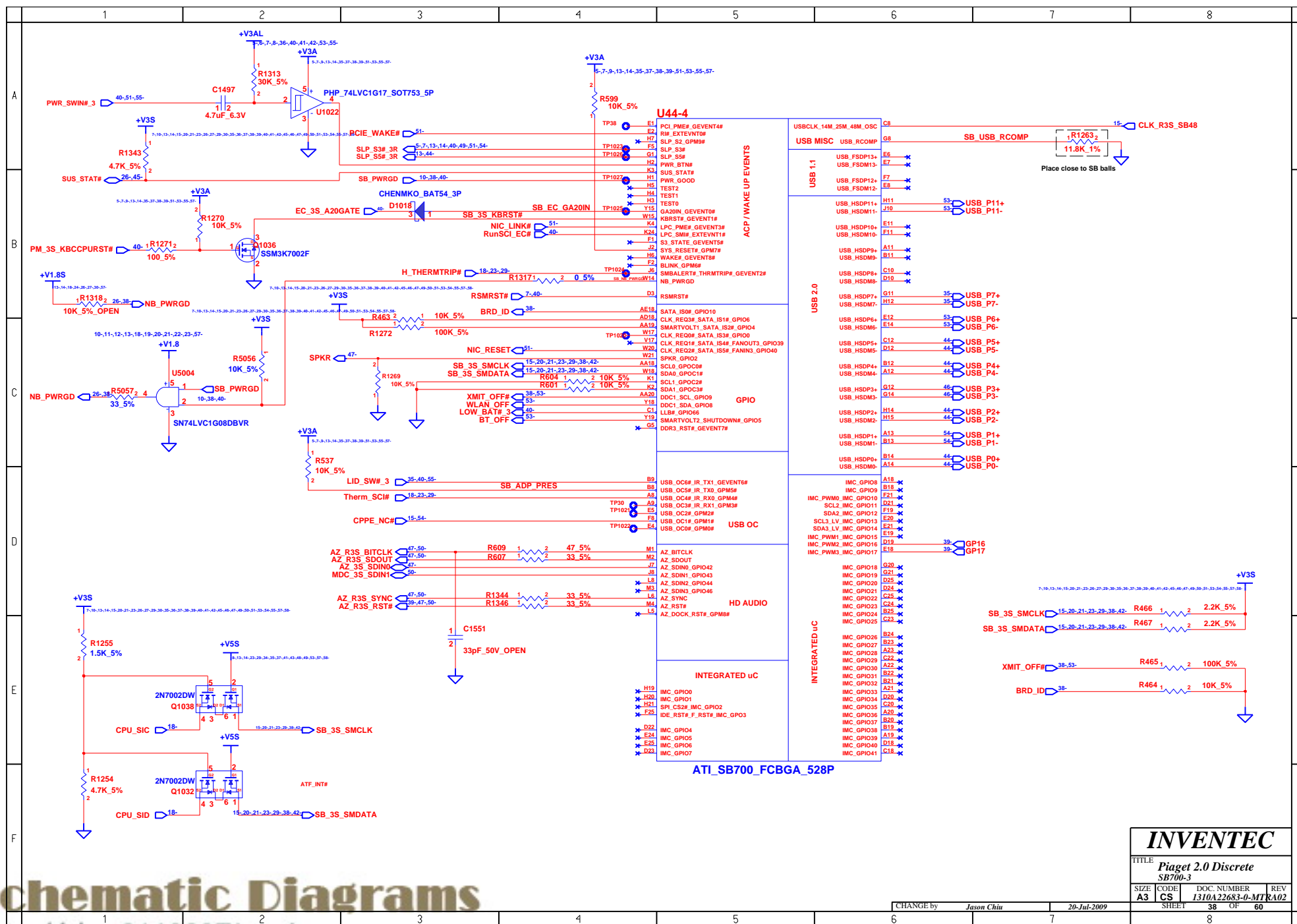
SIZE CODE DOC. NUMBER REV  
A3 CS 1310A22683-0-MTR A02

SHEET 36 OF 60

CHANGE by Jason Chiu 12-Aug-2009



Schematic Diagrams



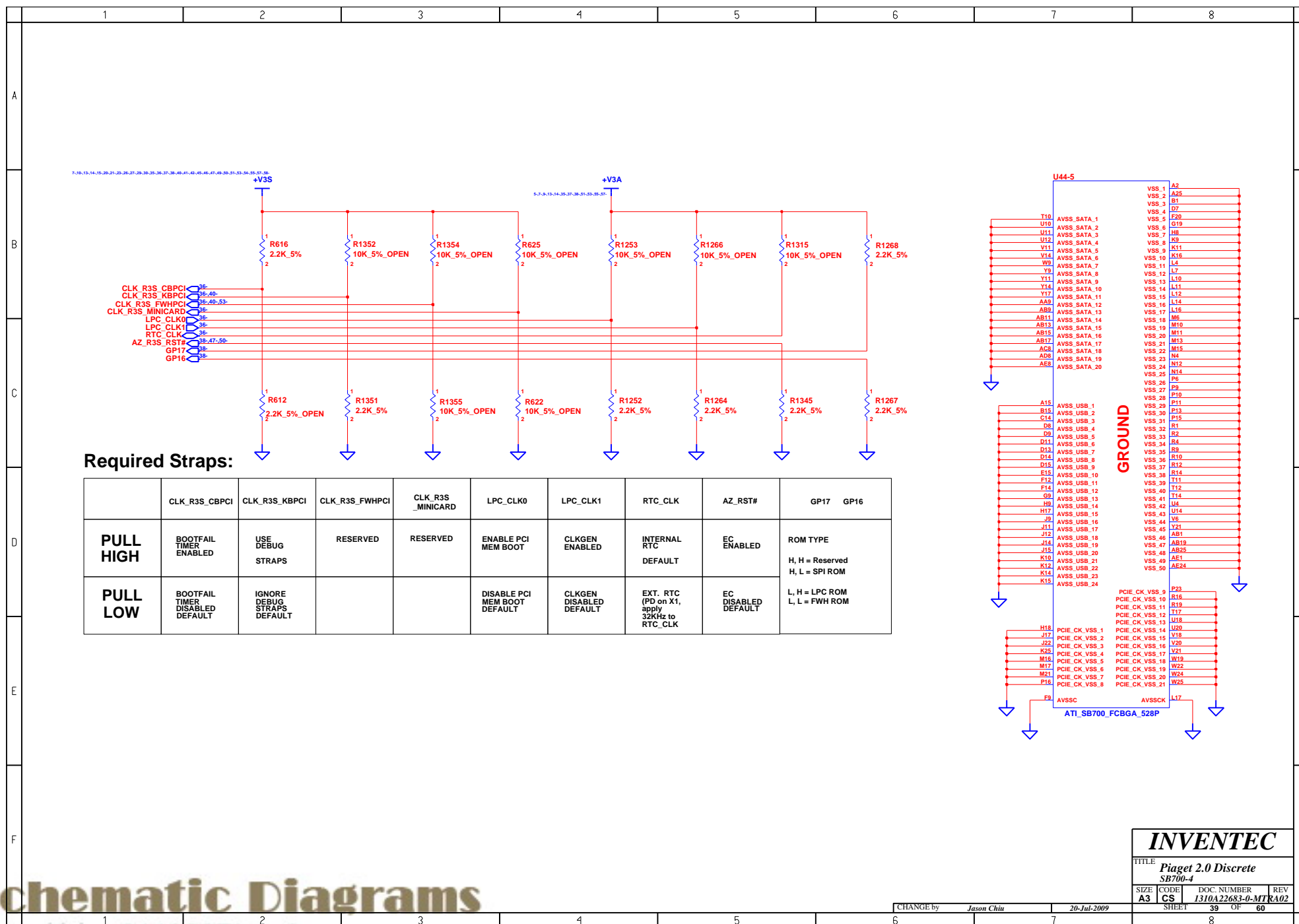
Schematic Diagrams

INVENTEC

TITLE  
Piaget 2.0 Discrete  
SB700-3

SIZE CODE DOC. NUMBER  
A3 CS 1310A22683-0-MTR A02

REV

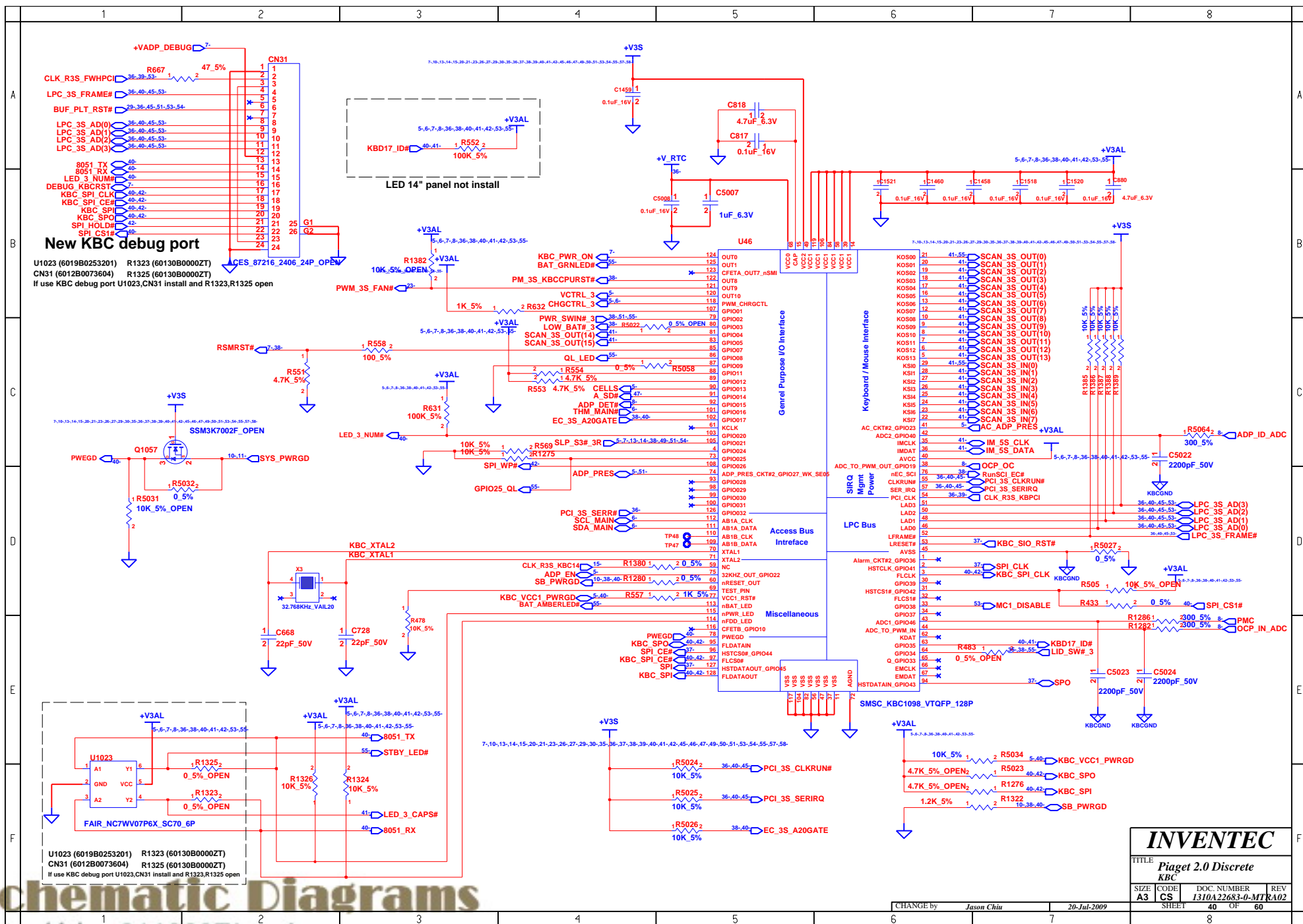


Schematic Diagrams

http://shop36609371.taobao.com

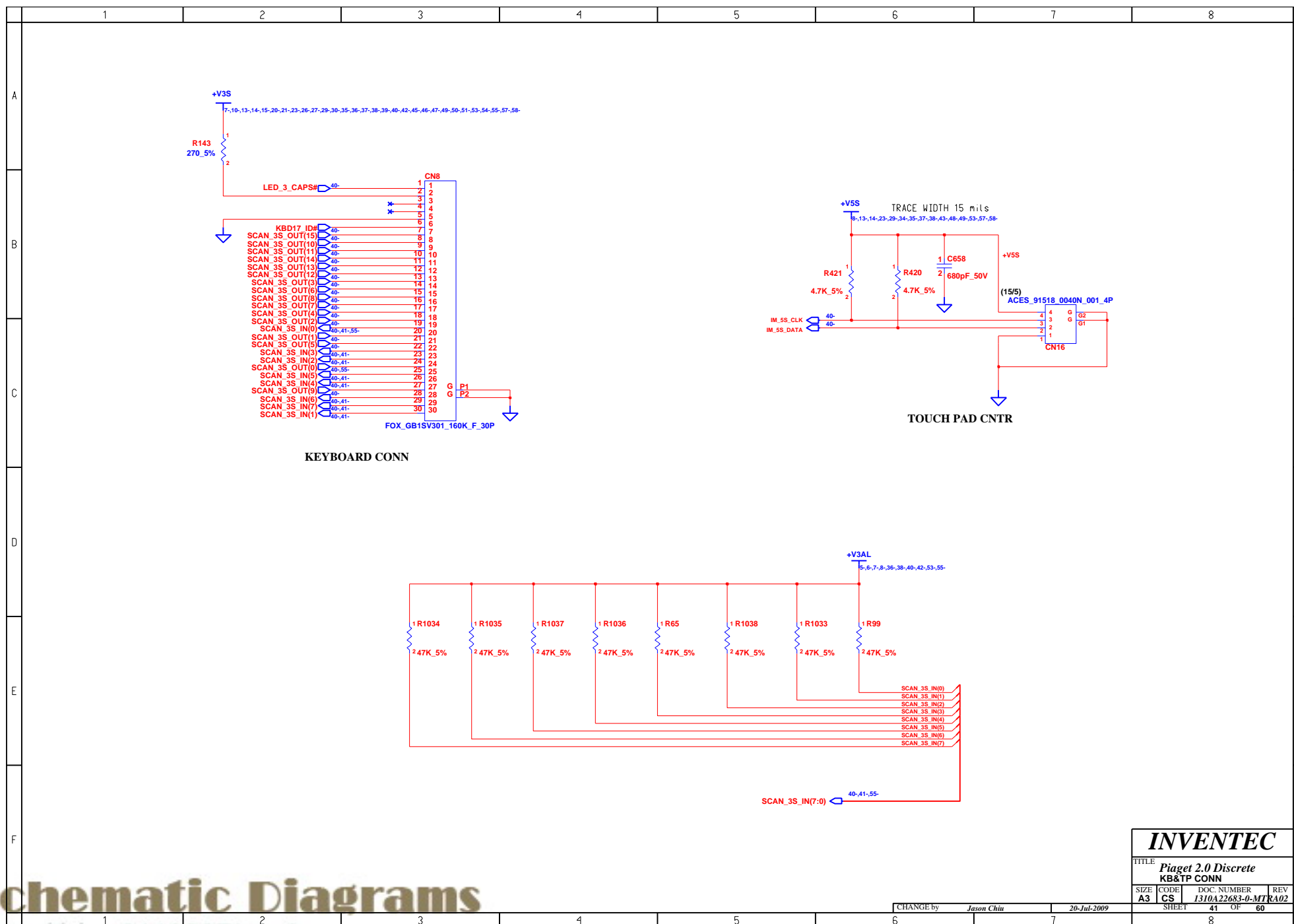
Email:52643956@qq.com





Schematic Diagrams





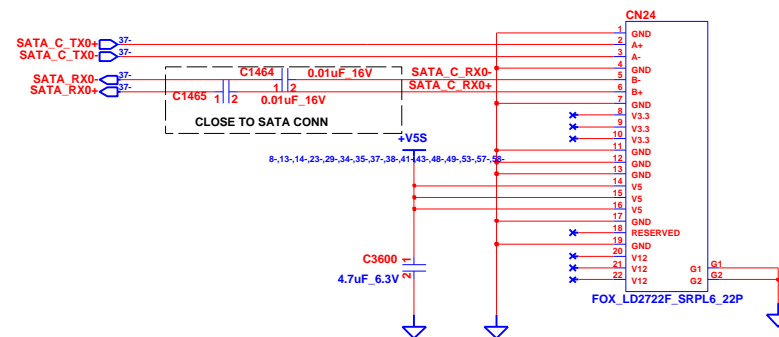
Schematic Diagrams

http://shop36609371.taobao.com

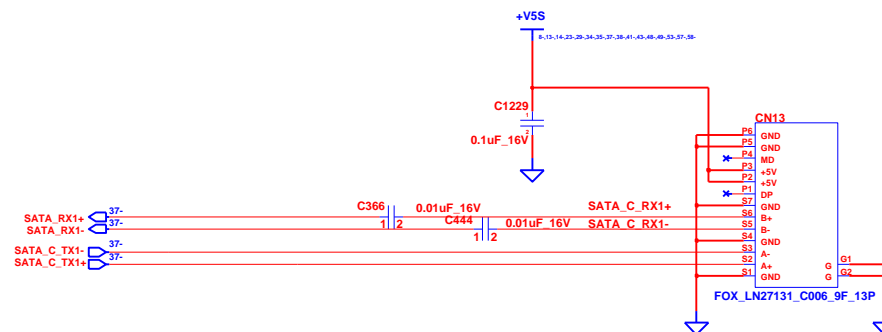
Email:52643956@qq.com

## Accelerometer

CS 1310A22683-0-M1 RA02  
SHEET 42 OF 60



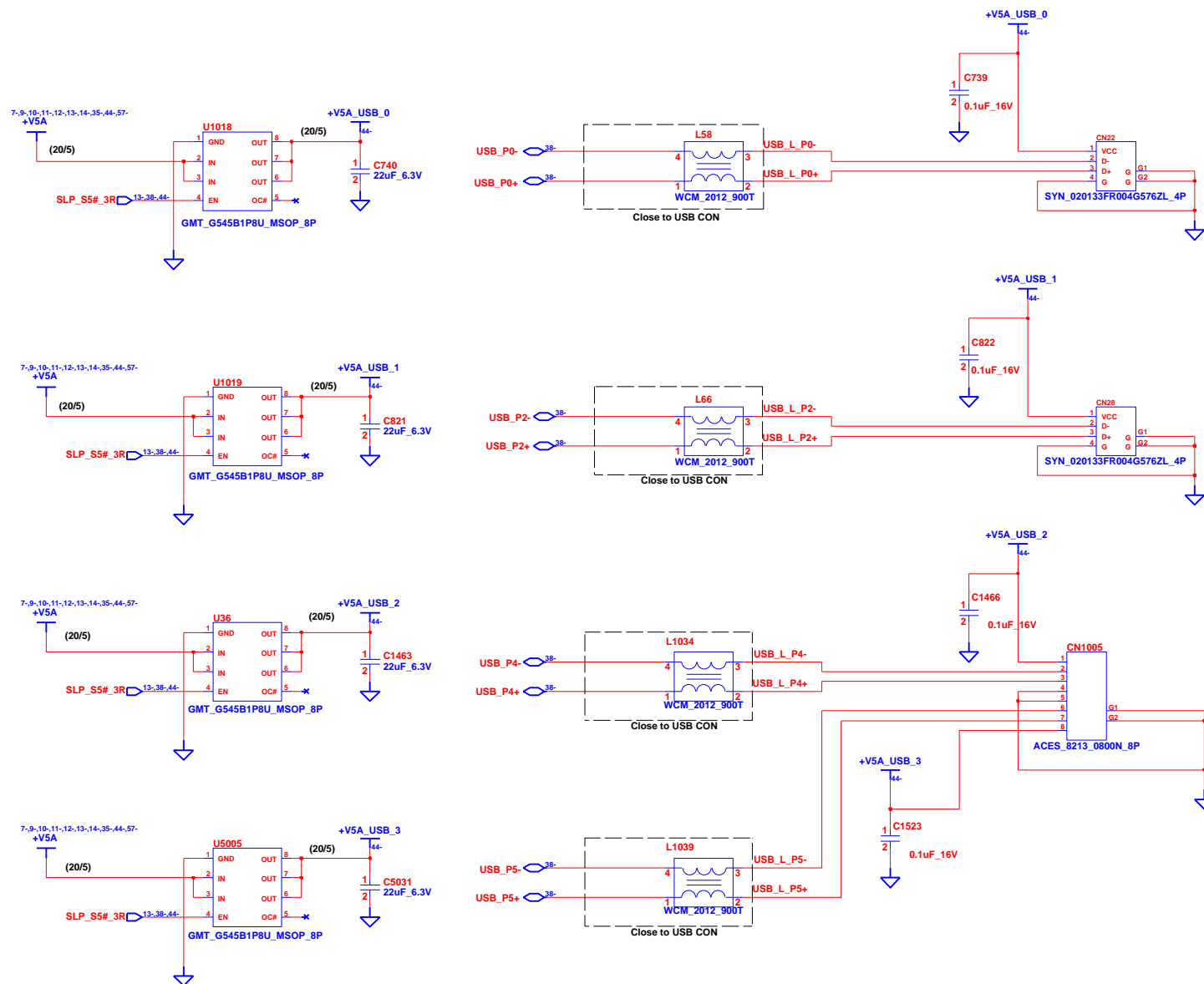
HDD CONNECTOR



ODD SATA CONNECTOR

Schematic Diagrams

INVENTEC			
TITLE Piaget 2.0 Discrete HDD & ODD CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A22683-0-MTR	REV A02
CHANGE by Jason Chiu		20-Jul-2009	
SHEET		43	OF 60



Schematic Diagrams

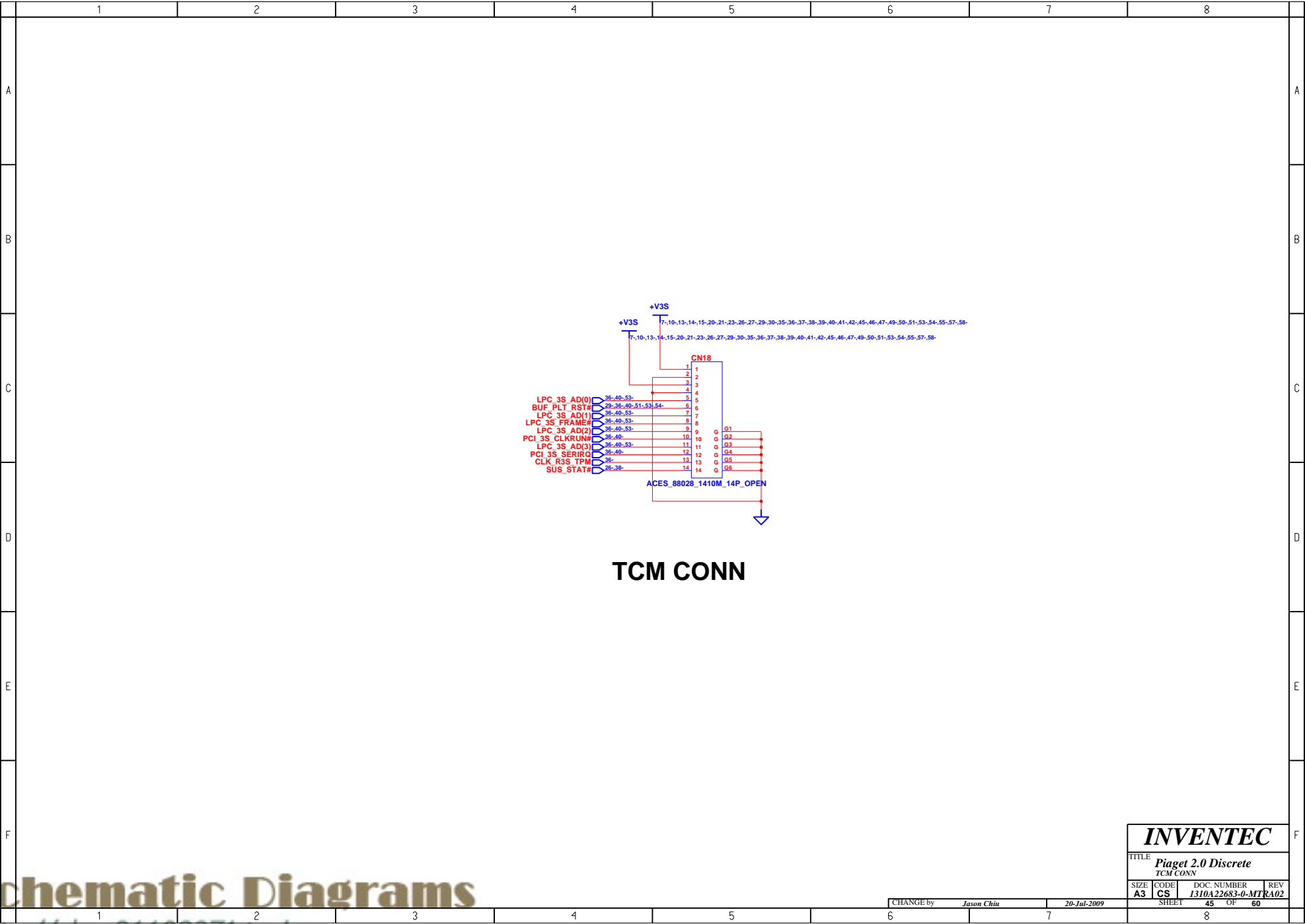
INVENTEC

TITLE  
Piaget 2.0 Discrete  
USB CONN

SIZE CODE DOC. NUMBER REV  
A3 CS 1310A22683-0-MTR A02

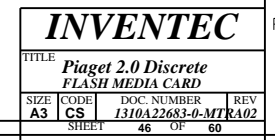
CHANGE by Jason Chiu 20-Jul-2009

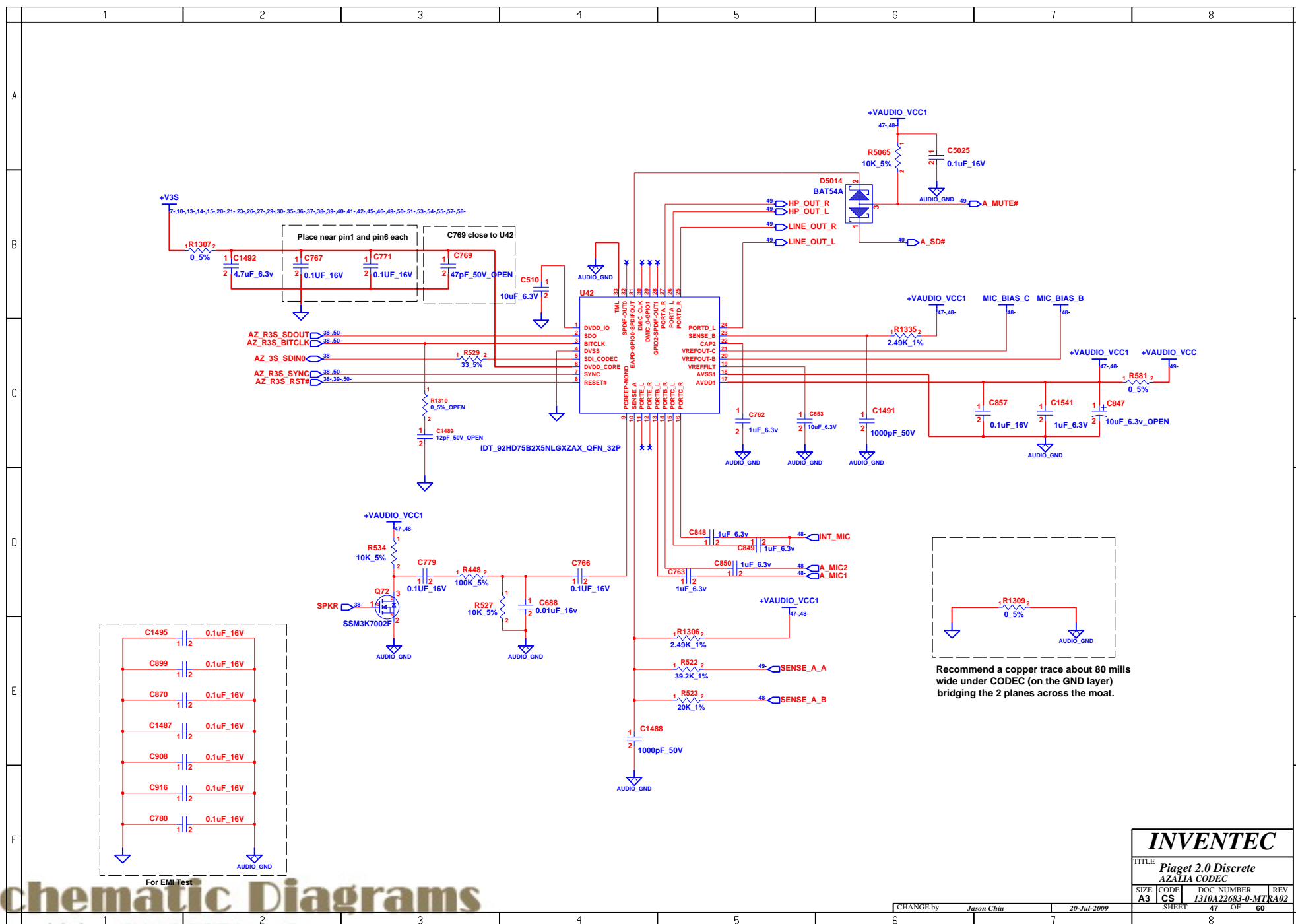
SHEET 44 OF 60



Schematic Diagrams

INVENTEC			
TITLE <i>Piaget 2.0 Discrete</i>			
TCM CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22683-0-MTR	A02
CHANGE by		20-Jul-2009	
Jason Chiu			
SHEET		45	OF 60

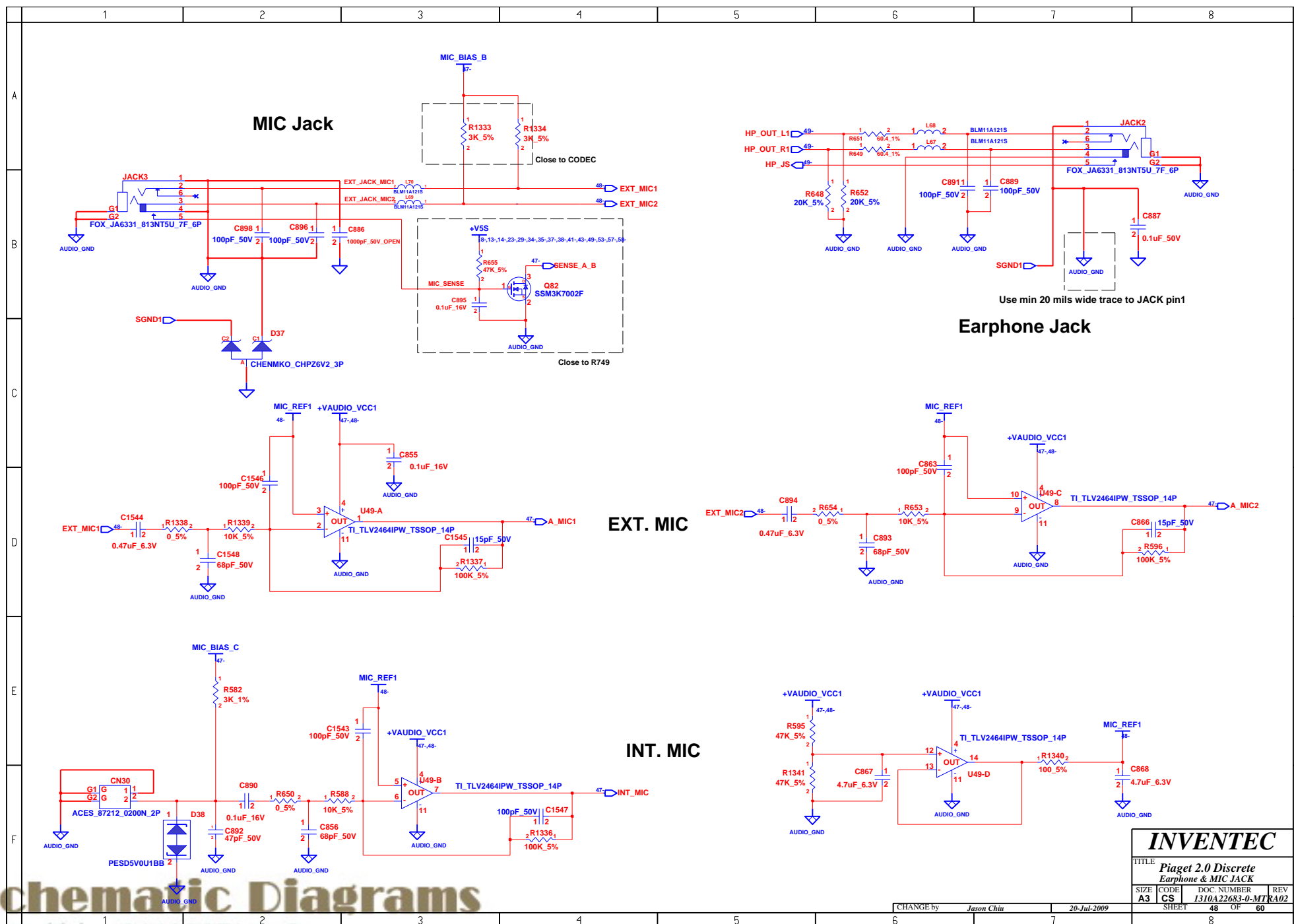




Schematic Diagrams

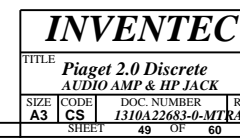
http://shop36609371.taobao.com

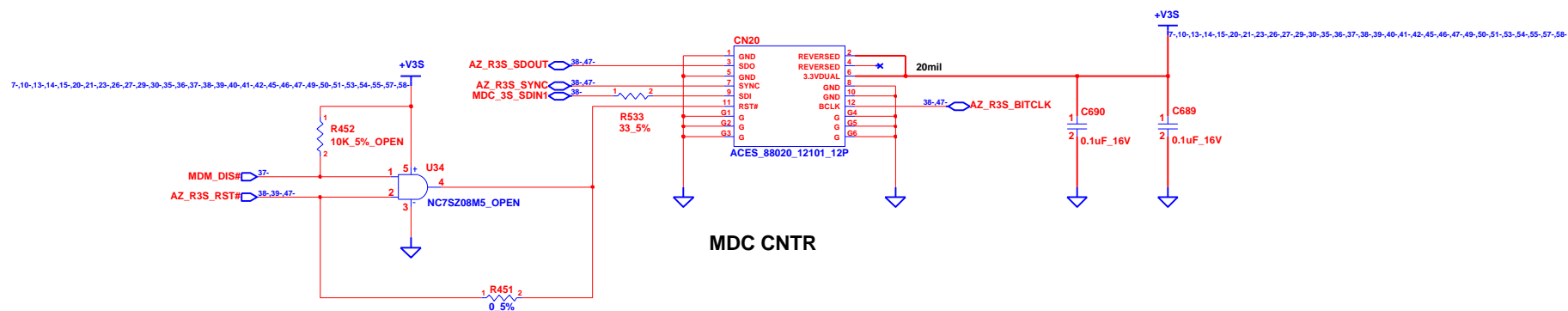
Email:52643956@qq.com



Schematic Diagrams







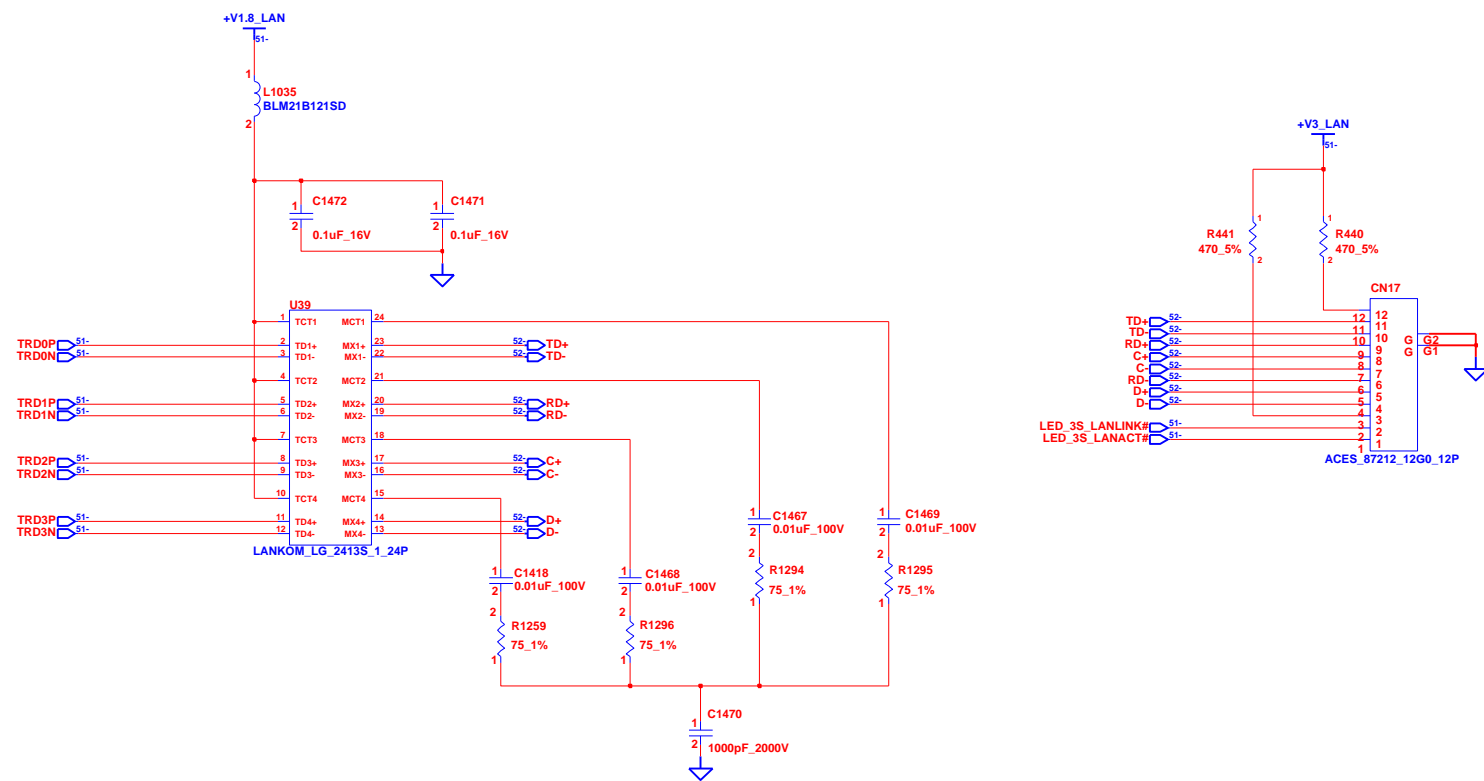
Schematic Diagrams

http://shop36609371.taobao.com

Email:52643956@qq.com

INVENTEC			
TITLE Piaget 2.0 Discrete MDC CNTR			
SIZE A3	CODE CS	DOC. NUMBER 1310A22683-0-MTR	REV A02
CHANGE by Jason Chiu		20-Jul-2009	SHEET 50 OF 60





Schematic Diagrams

http://shop36609371.taobao.com

Email:52643956@qq.com

INVENTEC

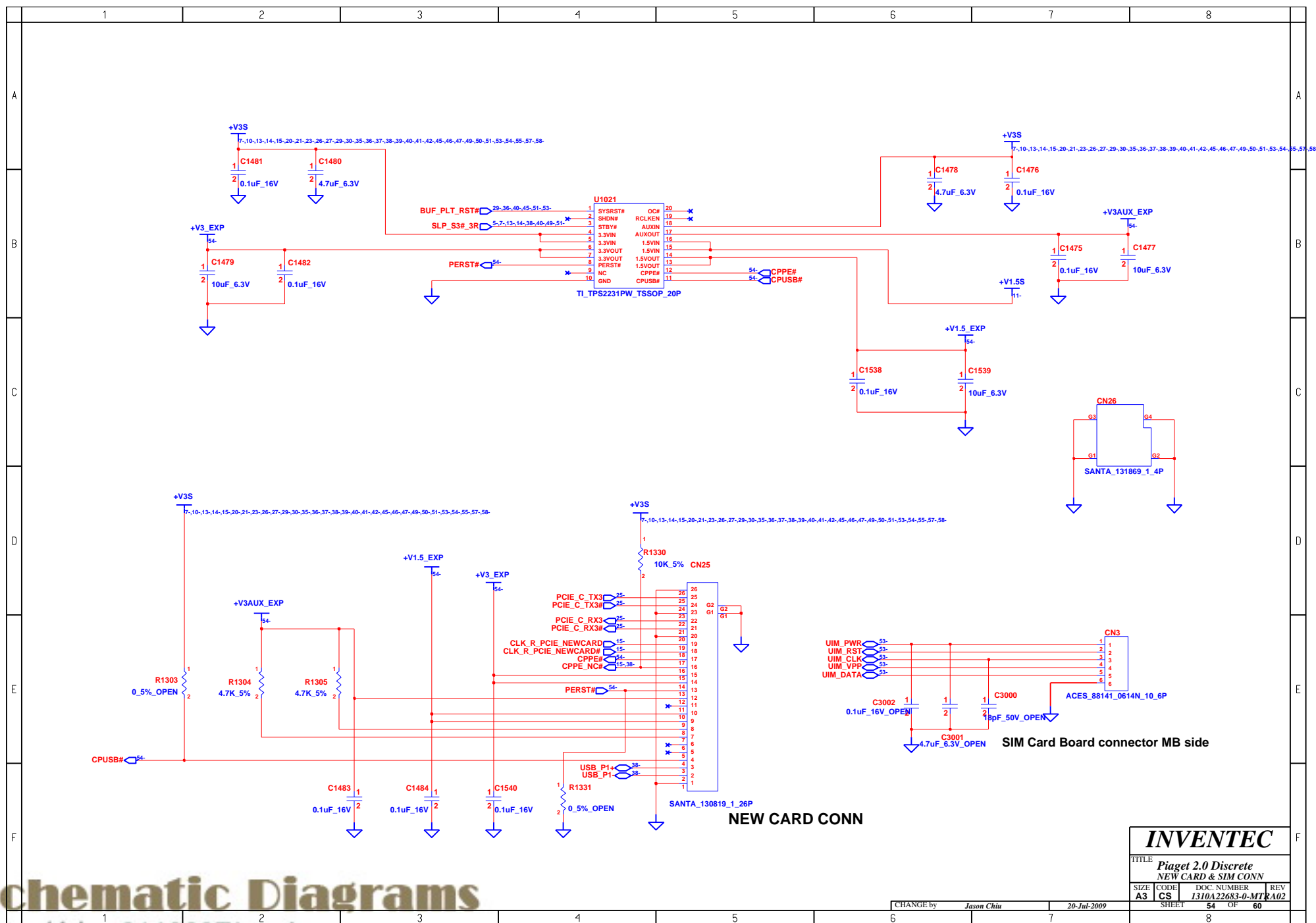
TITLE  
Piaget 2.0 Discrete  
NIC 10/100/1000-RJ45 CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22683-0-MTR	RA02

CHANGE by	DATE
Jason Chiu	20-Jul-2009

SHEET	OF
52	60

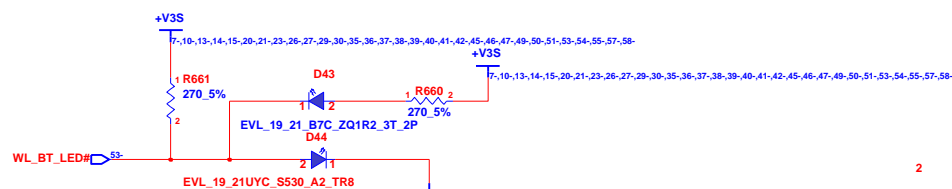




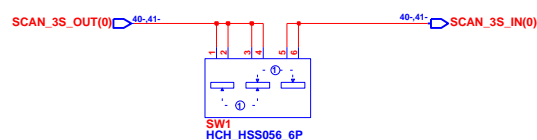
Schematic Diagrams

http://shop36609371.taobao.com

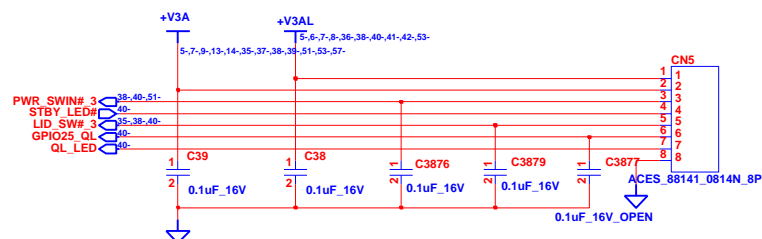
Email:52643956@qq.com



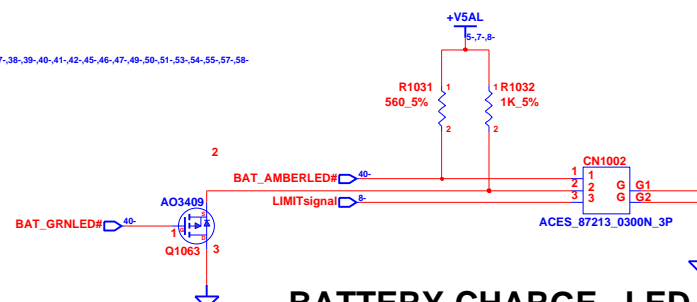
WIRELESS LED



WIRELESS BUTTON



Swth Board & LED Board CONN



BATTERY-CHARGE LED



HDD & ODD LED



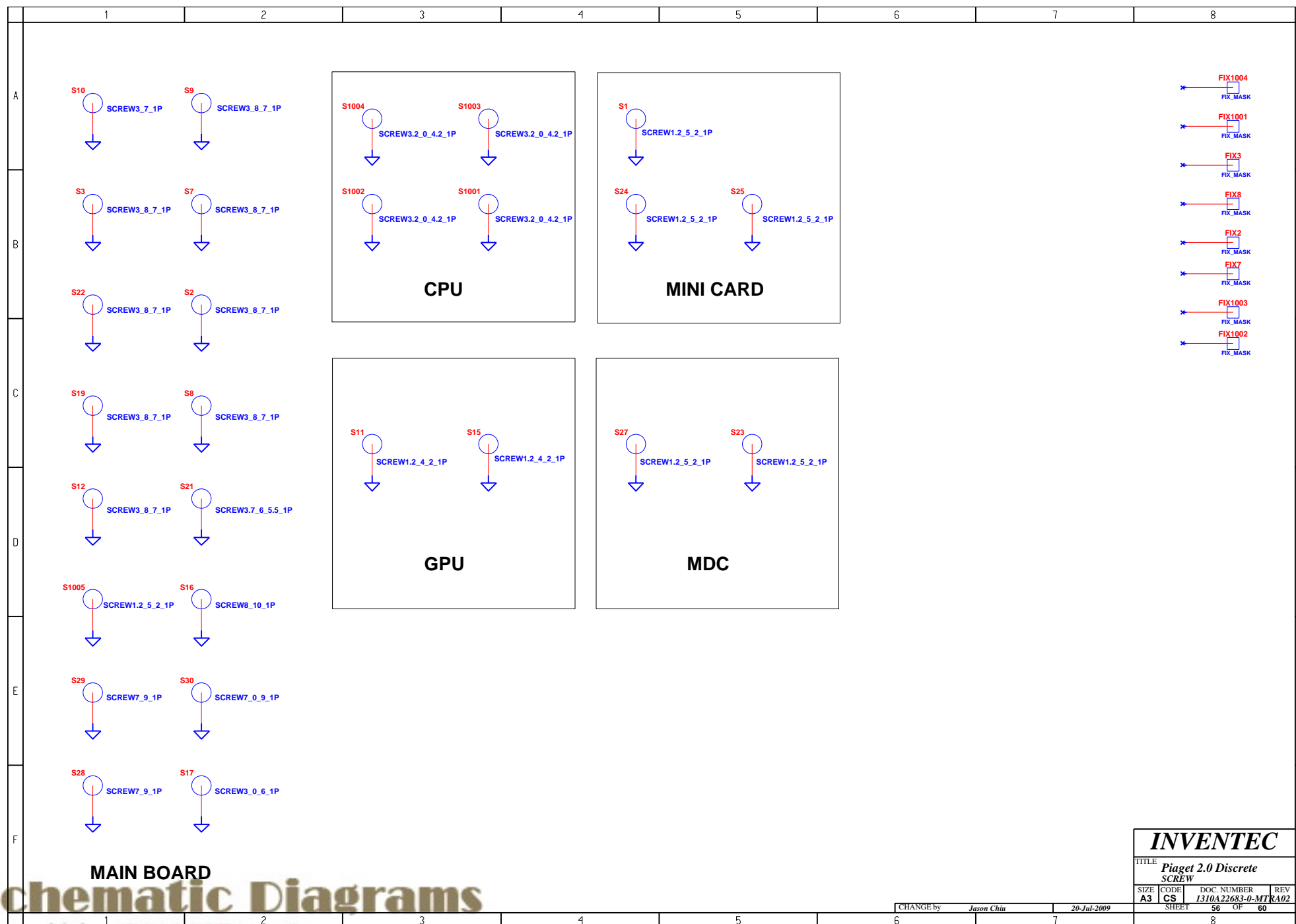
ACCELEROMTER LED

Schematic Diagrams

http://shop36609371.taobao.com

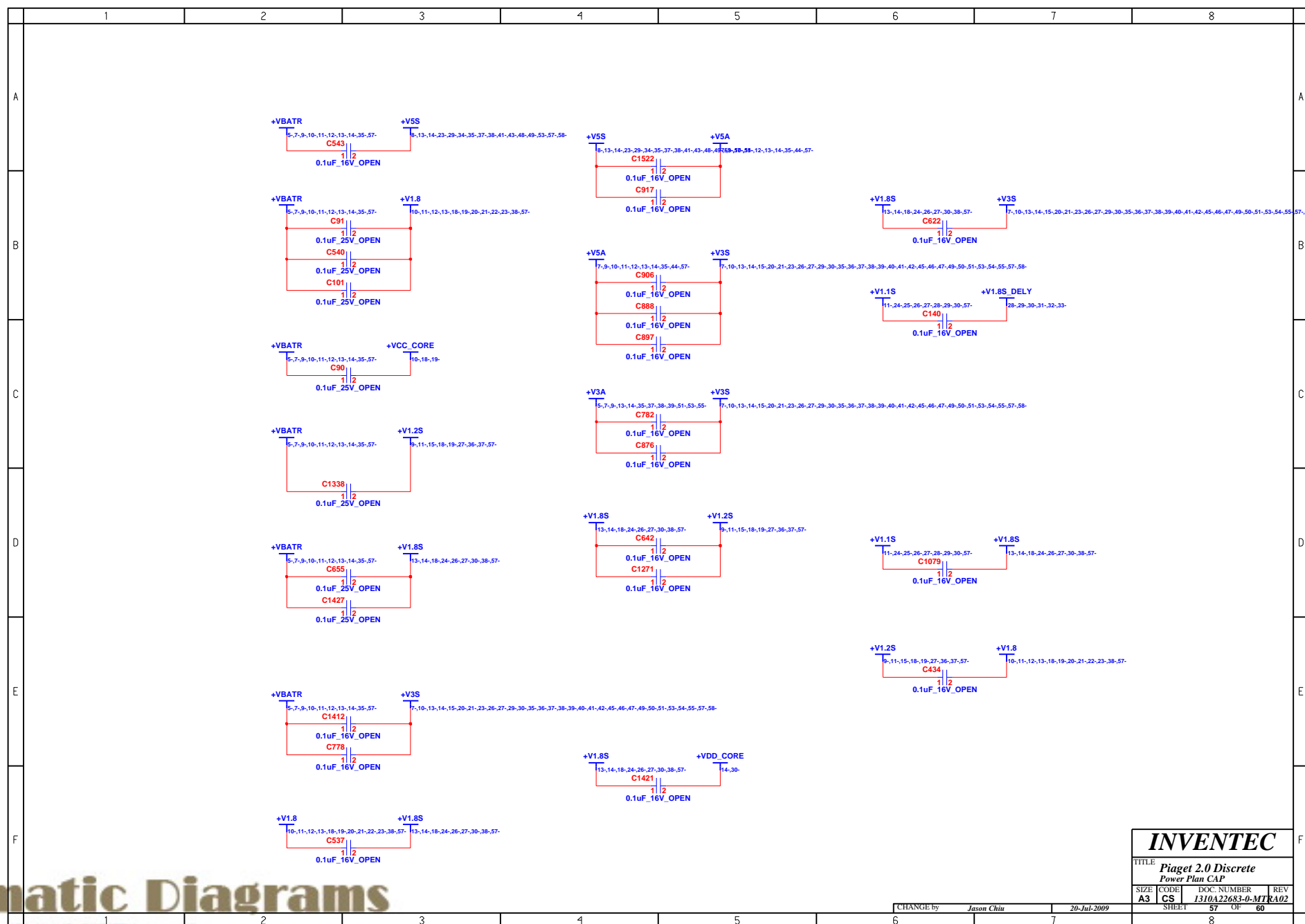
Email:52643956@qq.com

INVENTEC			
TITLE Piaget 2.0 Discrete W/B & SW/B & LED/B CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A22683-0-MTR	REV A02
CHANGE by Jason Chiu		20-Jul-2009	
SHEET		55	OF 60



Schematic Diagrams





Schematic Diagrams

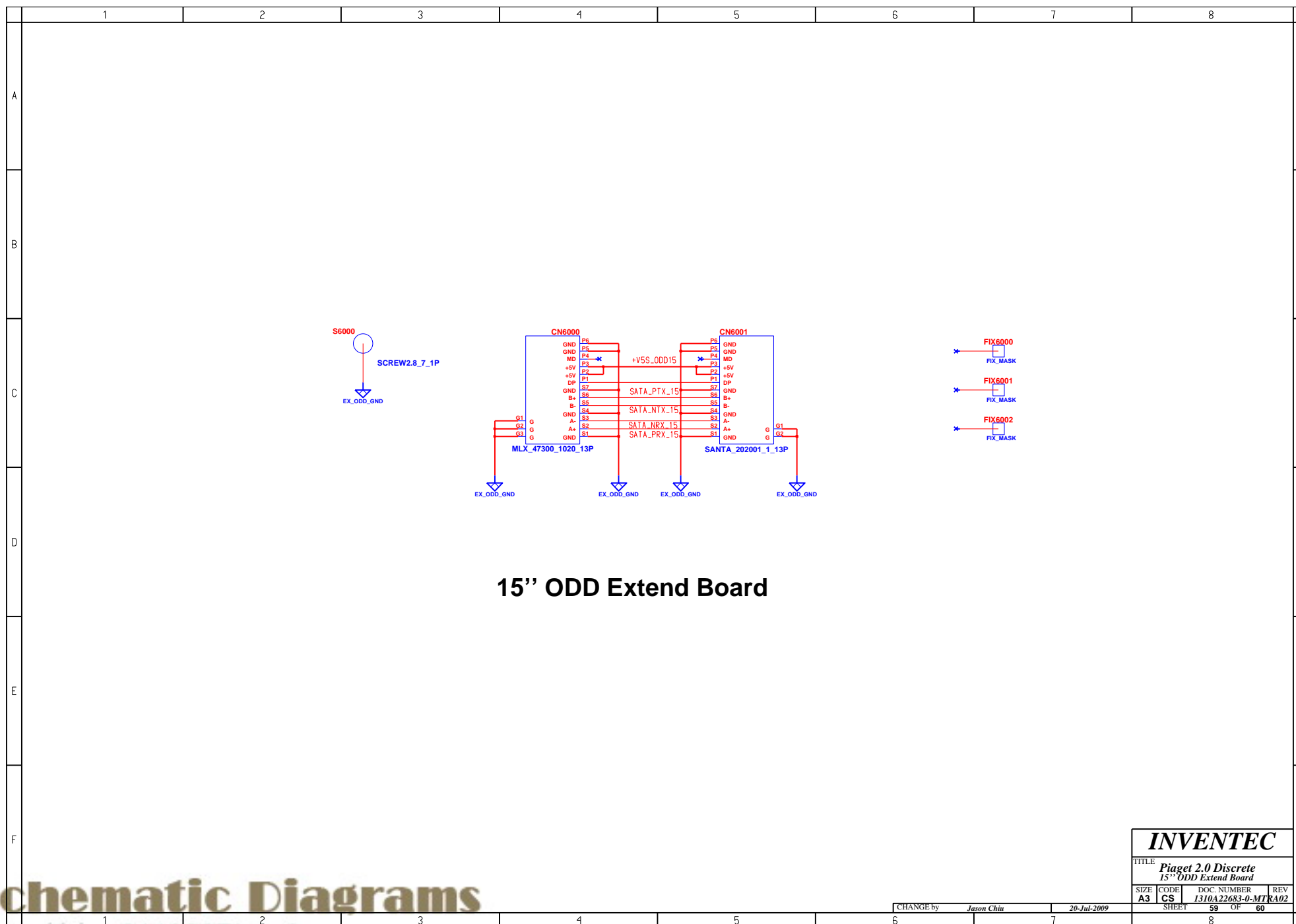
http://shop36609371.taobao.com

Email:52643956@qq.com

INVENTEC			
TITLE Piaget 2.0 Discrete Power Plan CAP			
SIZE A3	CODE CS	DOC NUMBER I310A22683-0-MTRA02	REV
CHANGE by Jason Chiu		20-Jul-2009	
SHEET 57		OF 60	



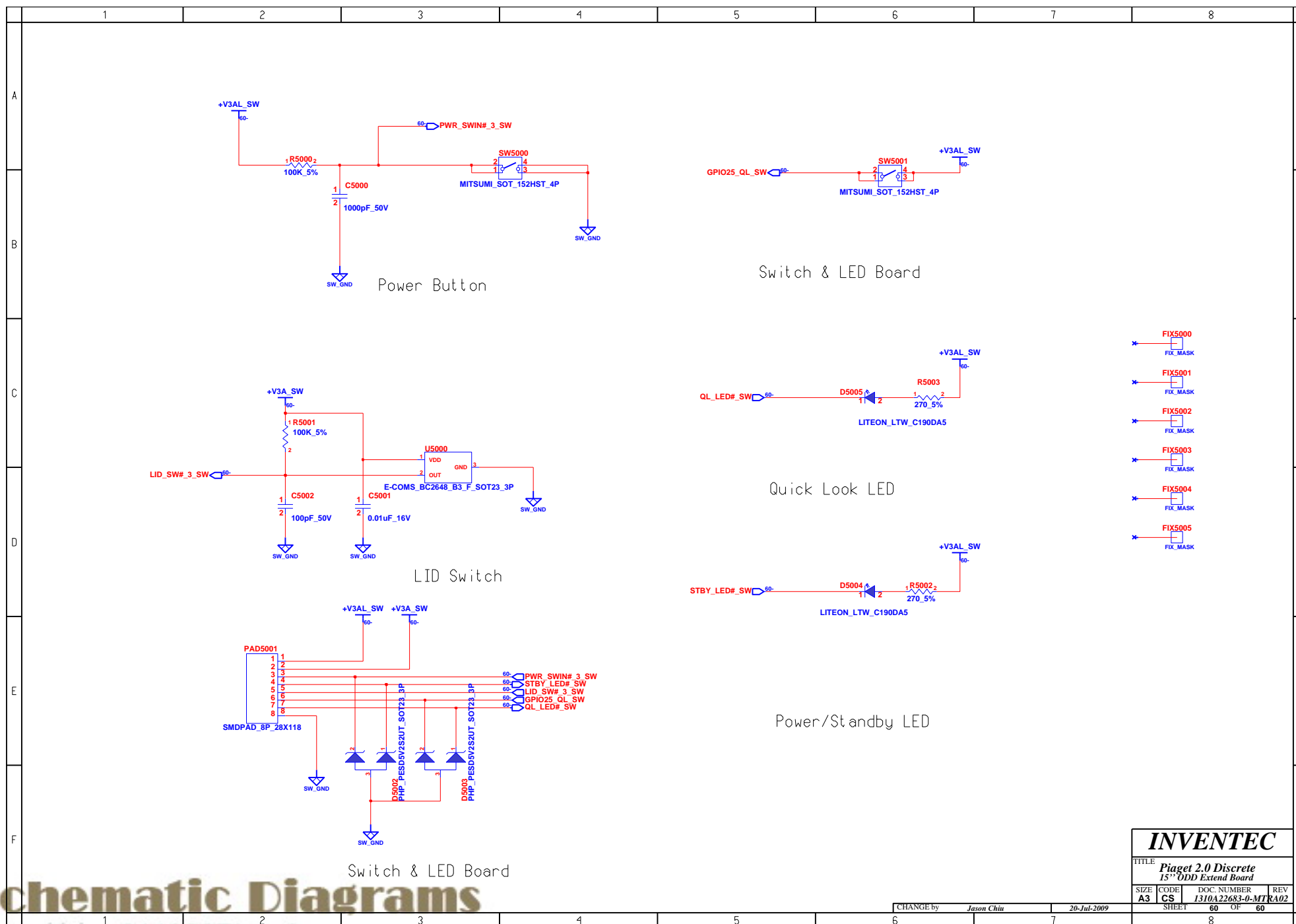
CHANGE by	Jason Chiu	20-Jul-2009
-----------	------------	-------------



**Schematic Diagrams**

http://shop36609371.taobao.com

Email:52643956@qq.com



- FIX5000
- FIX5001
- FIX5002
- FIX5003
- FIX5004
- FIX5005

Schematic Diagrams

INVENTEC			
TITLE Piaget 2.0 Discrete 15" DDD Extend Board			
SIZE A3	CODE CS	DOC. NUMBER I310A22683-0-MTR	REV A02
CHANGE by Jason Chiu		20-Jul-2009	
SHEET 60		OF 60	