

	1	2	3	4	5	6	7	8																																
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A	HSF Property : RoHS									A																														
B										B																														
C										C																														
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DATE	CHANGE NO.	REV																																						
	1	2	3	4	5	6	7	8																																

PIAGET-Discrete

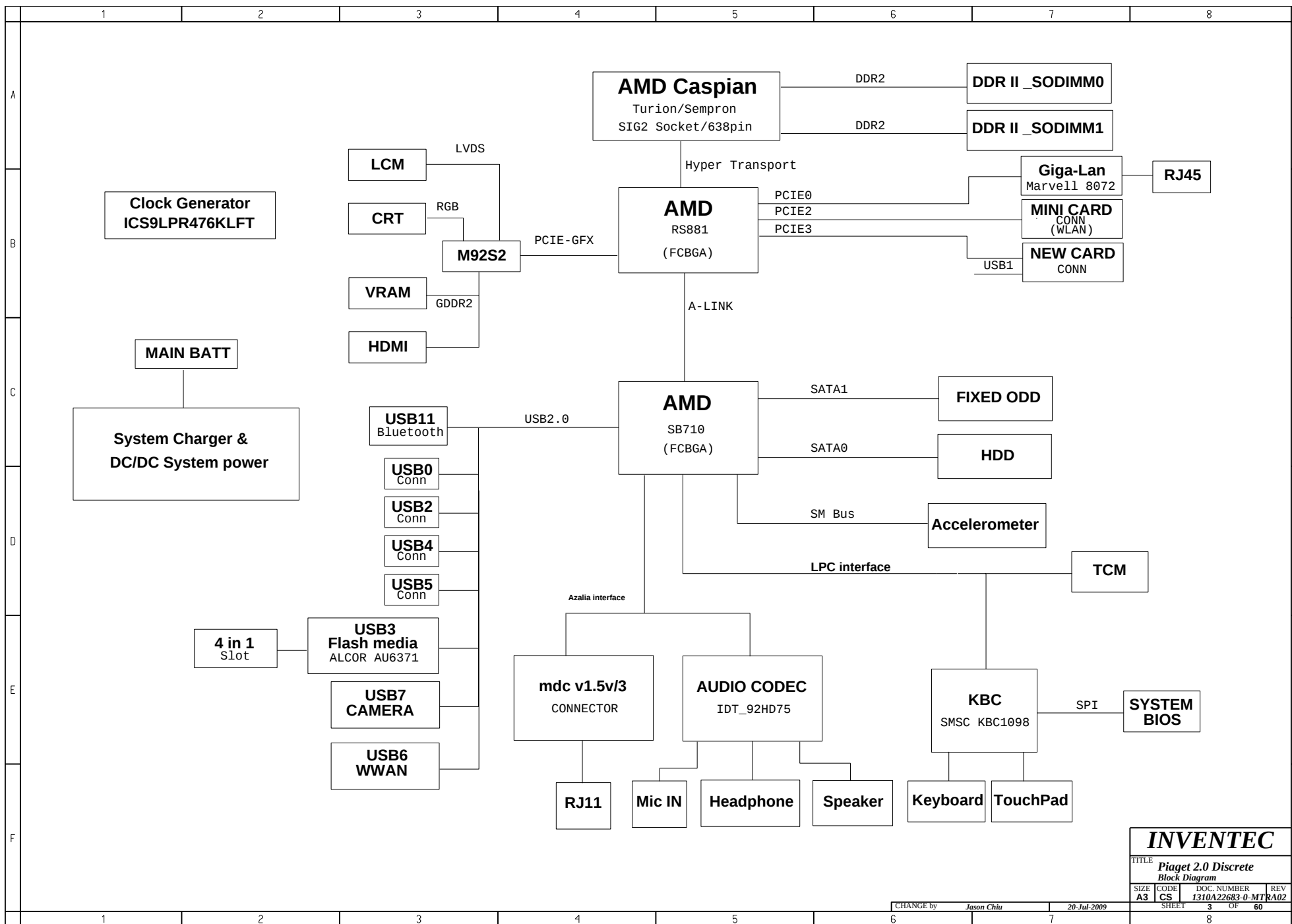
P09C2.0D

MV Build

2009/08/12

DRAWER	EE	DATE	POWER	DATE	INVENTEC
DESIGN					
CHECK					
RESPONSIBLE					
SIZE = 3VER :					TITLE
FILE NAME : XXXX-XXXXXX-XX					Piaget 2.0 Discrete
P/N	XXXXXXXXXXXX				SIZE CODE DOC. NUMBER REV
					A3 CS 1310A22683-0-MTR A02
					SHEET 1 OF 60

	1	2	3	4	5	6	7	8
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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- 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			
C								
D								
E								
F								
CHANGE by						Jason Chiu		20-Jul-2009
SIZE						A3		CODE
DOC. NUMBER						1310A22683-0-MTR		REV
SHEET						2		OF
1						2		3



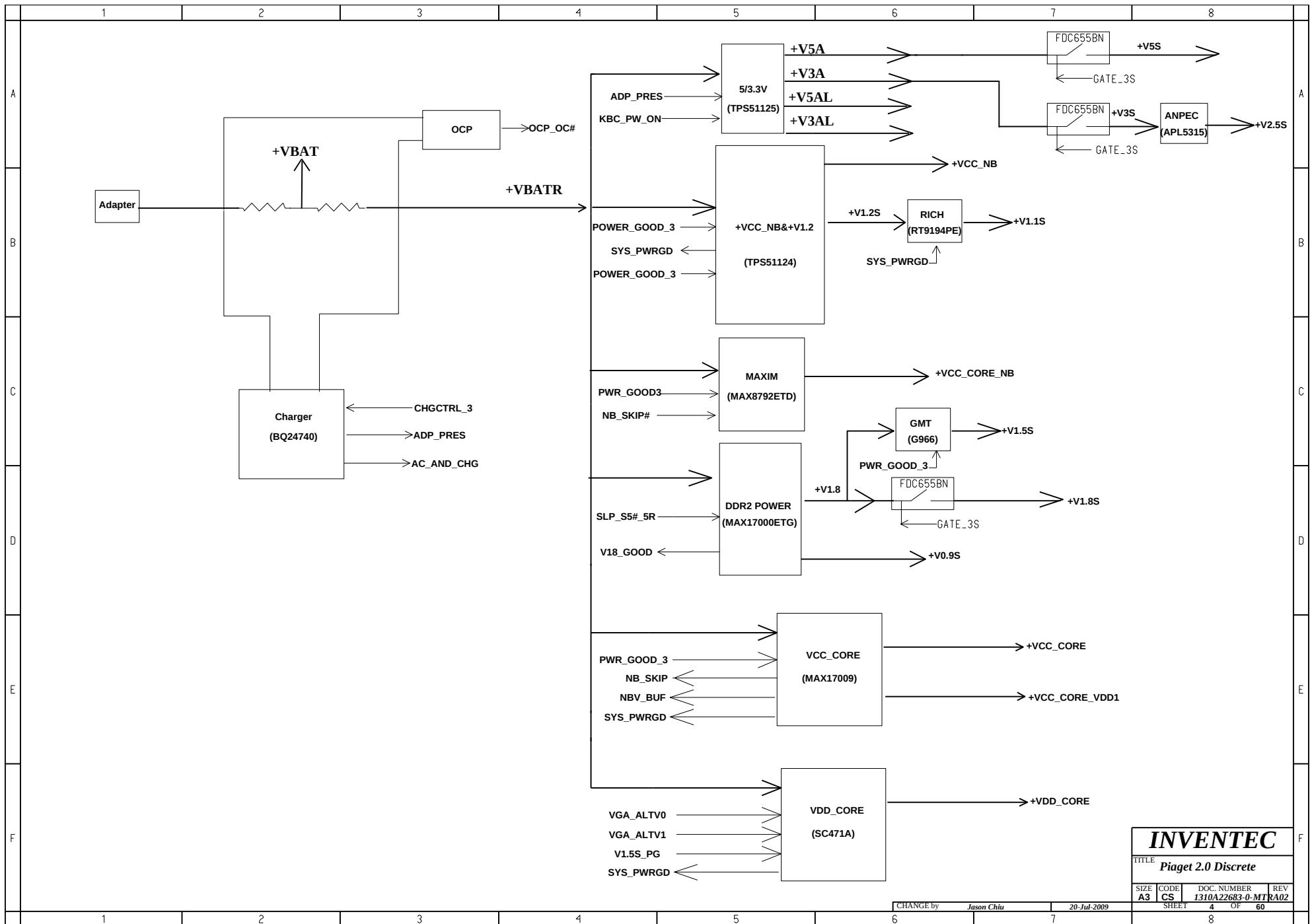
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TITLE
**Piaget 2.0 Discrete
Block Diagram**

SIZE A3	CODE CS	DOC. NUMBER I310A22683-0-MTR	REV A02
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CHANGE by *Jason Chiu* 20-Jul-2009

SHEET 3 OF 60



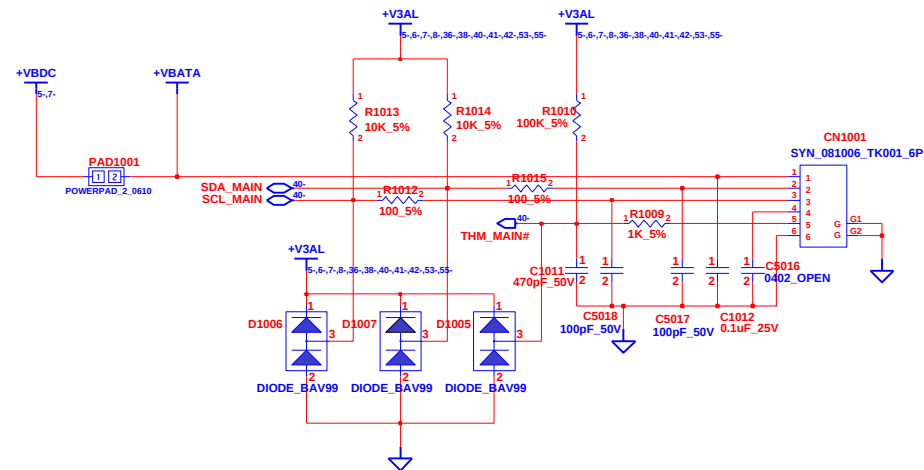
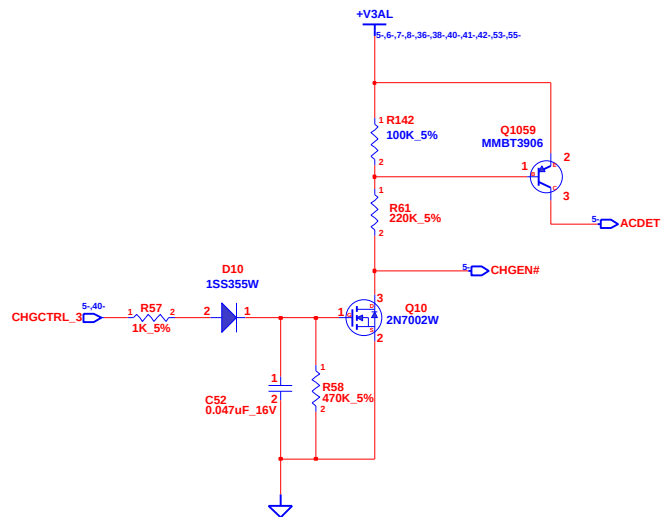
INVENTEC

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Piaget 2.0 Discrete

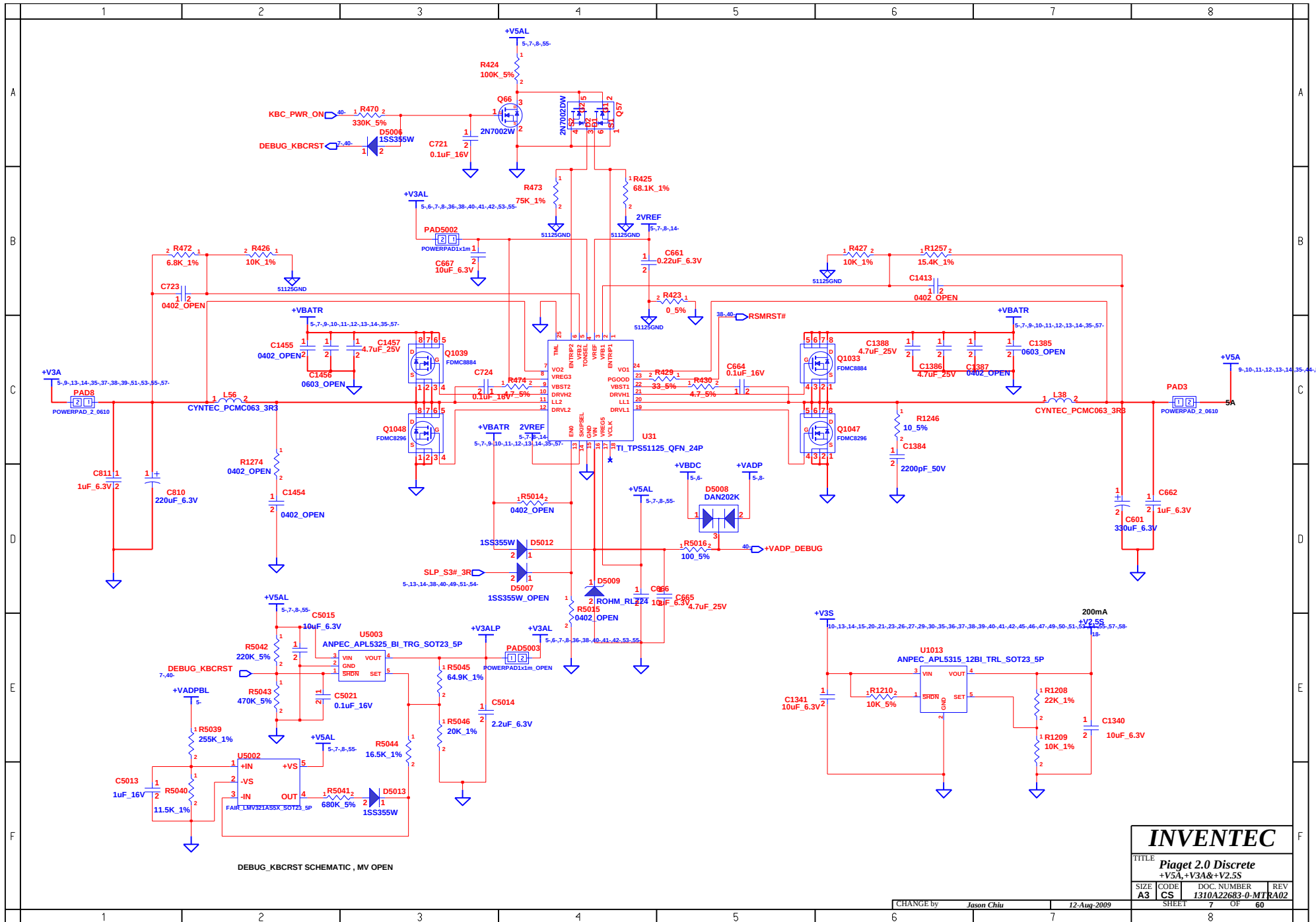
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A3	CS	1310A22683-0-MT	RA02

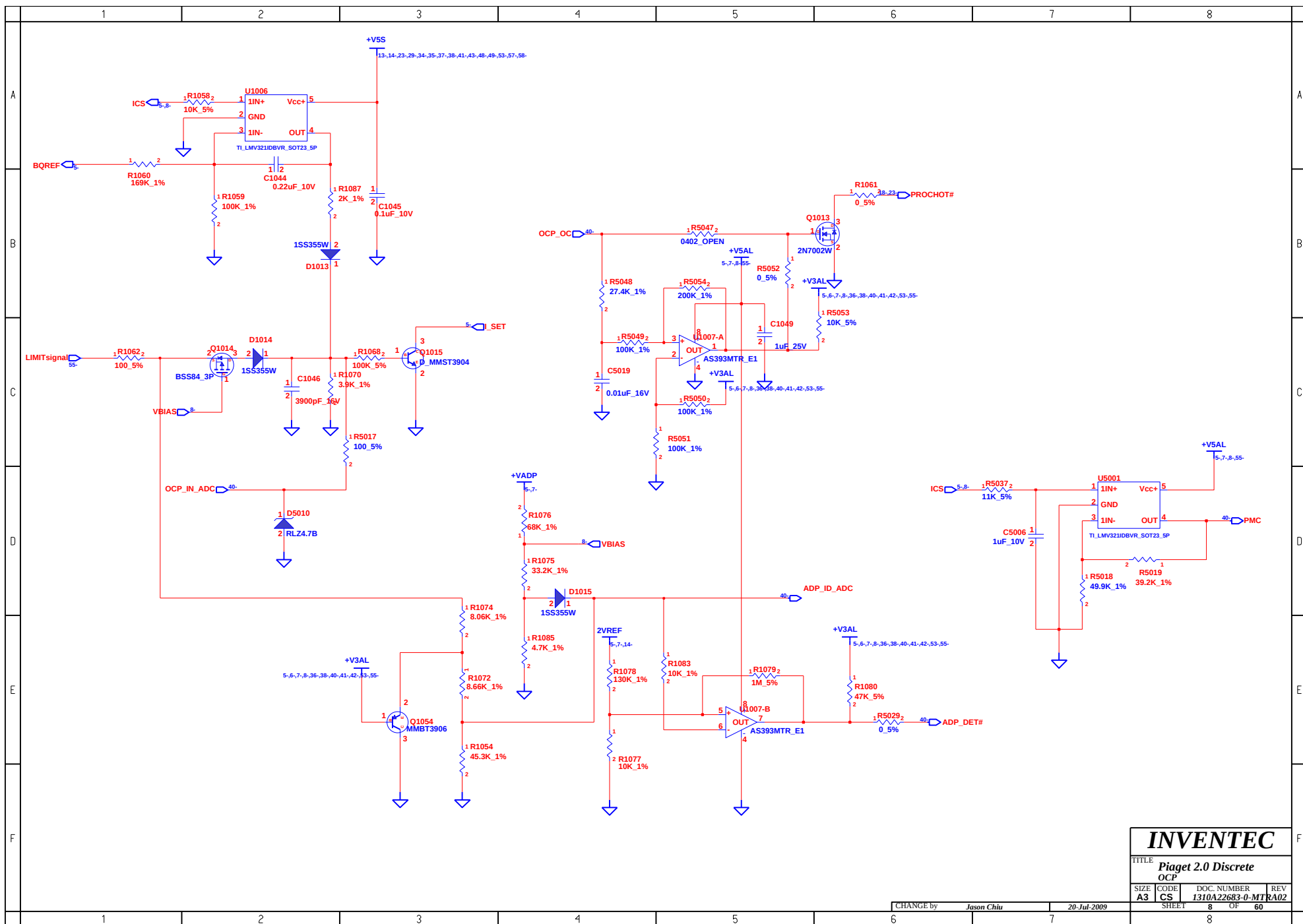
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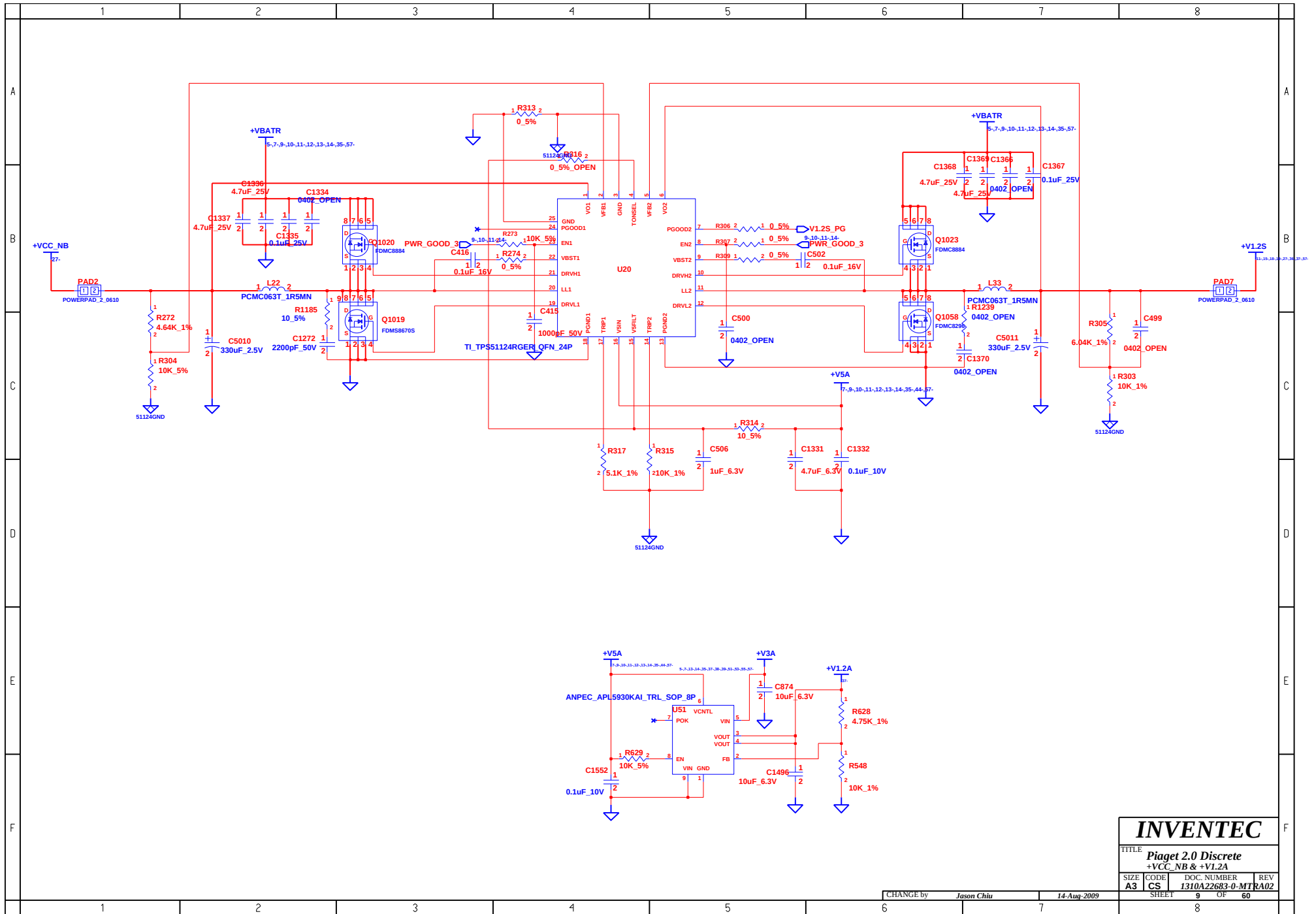
SHEET 4 OF 60

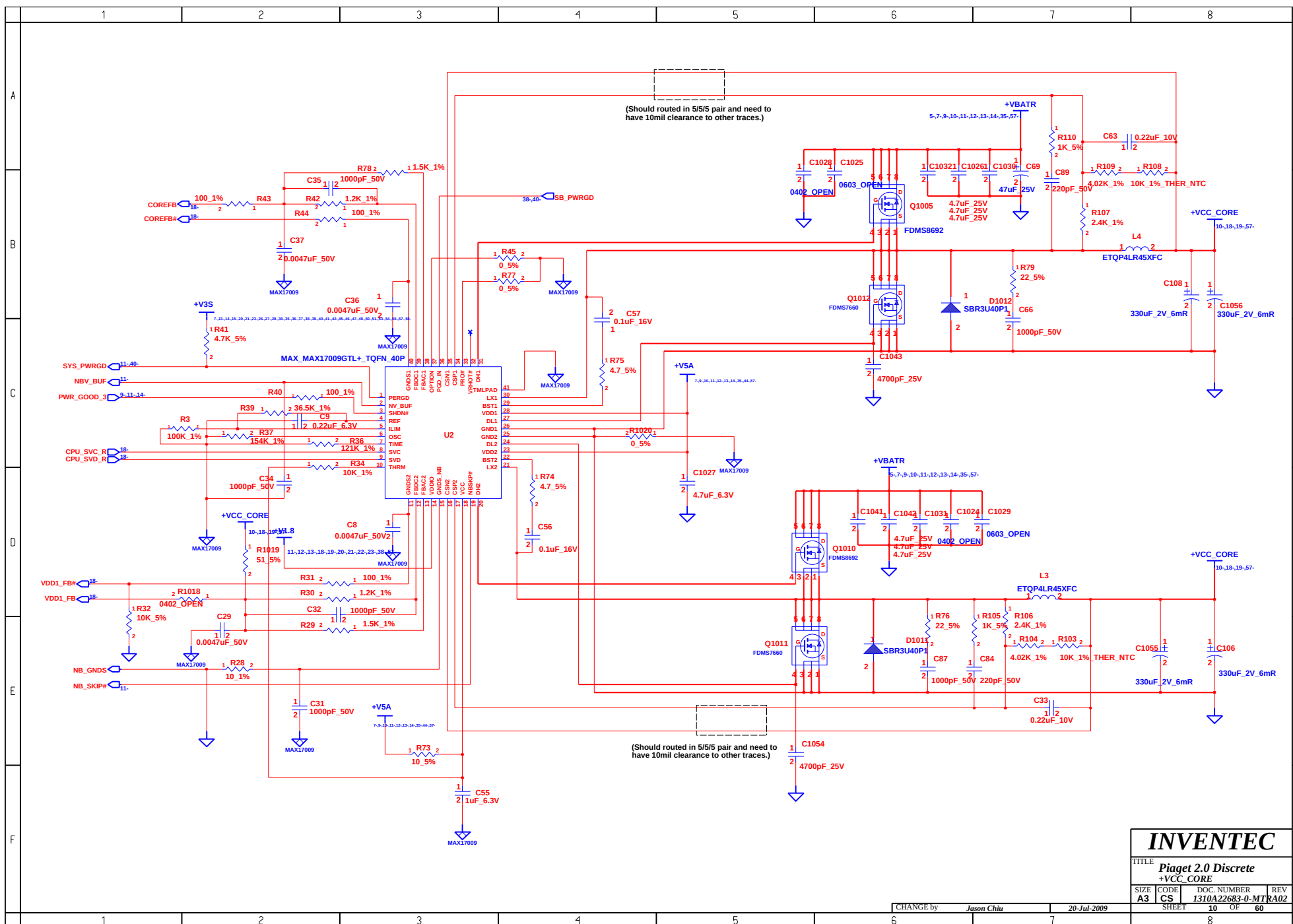


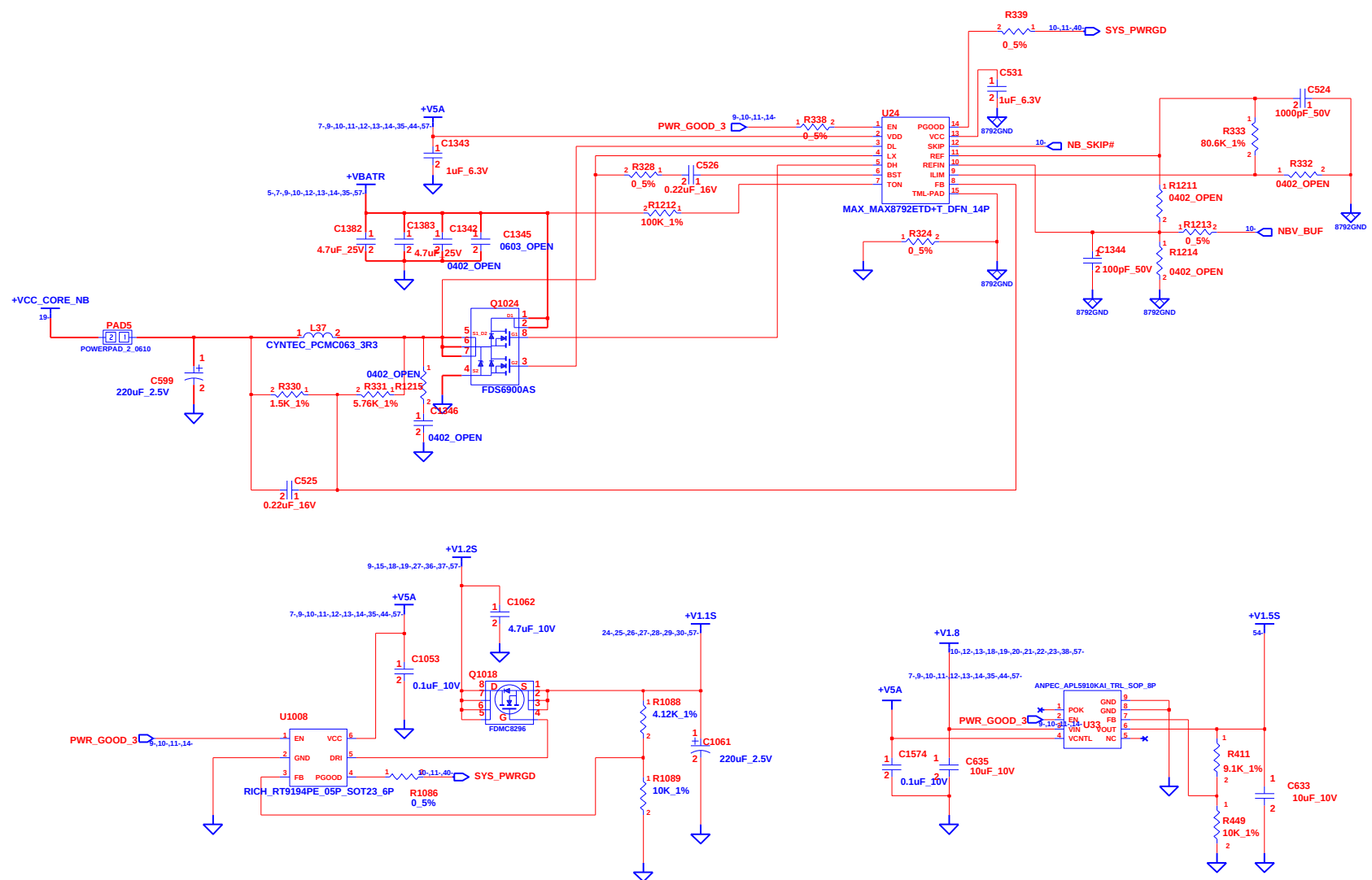
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SELECT & BATTERY CONN			
SIZE	CODE	DOC. NUMBER	REV
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CHANGE by		20-Jul-2009	
Jason Chiu			
SHEET		6	OF 60











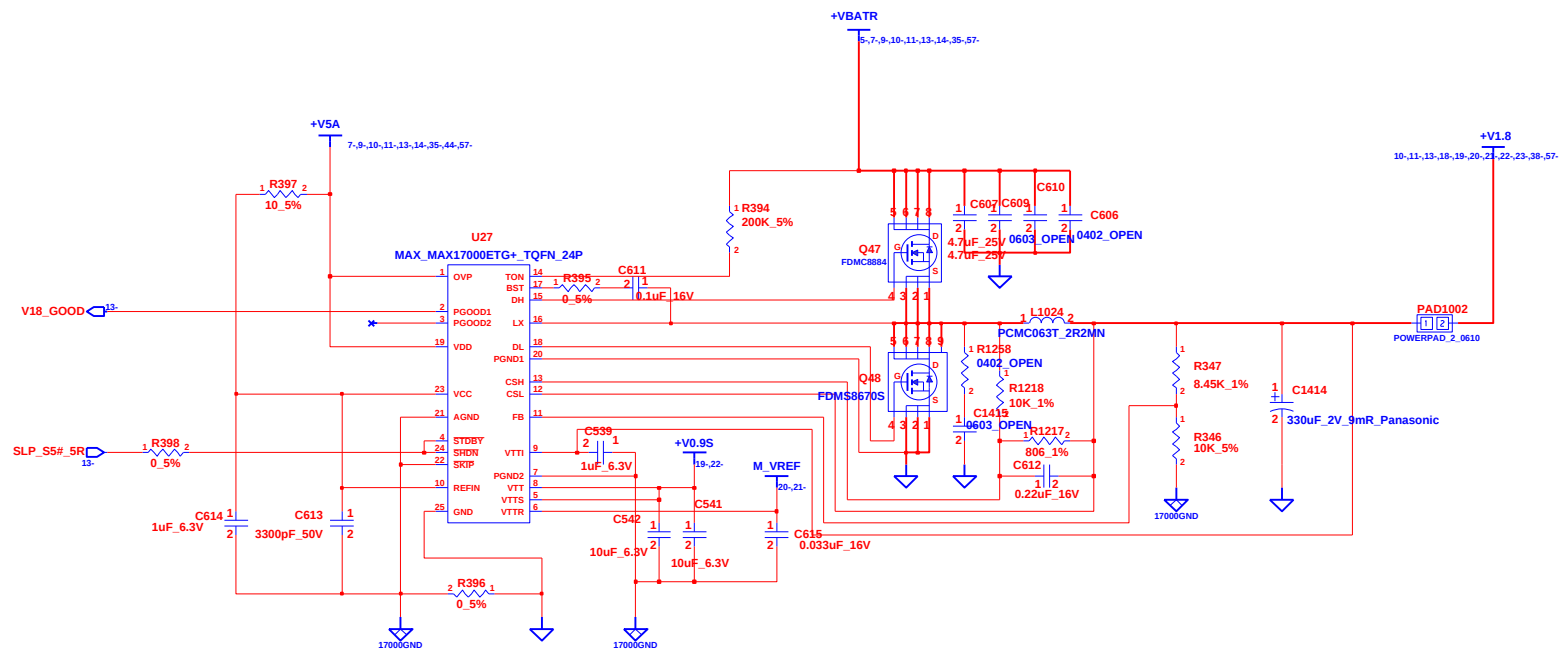
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TITLE
**Piaget 2.0 Discrete
POWER**

SIZE A3	CODE CS	DOC. NUMBER I310A22683-0-MT	REV RA02
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CHANGE by *Jason Chiu* 20-Jul-2009

SHEET 11 OF 60



NOTE: DDR2 REGULATOR

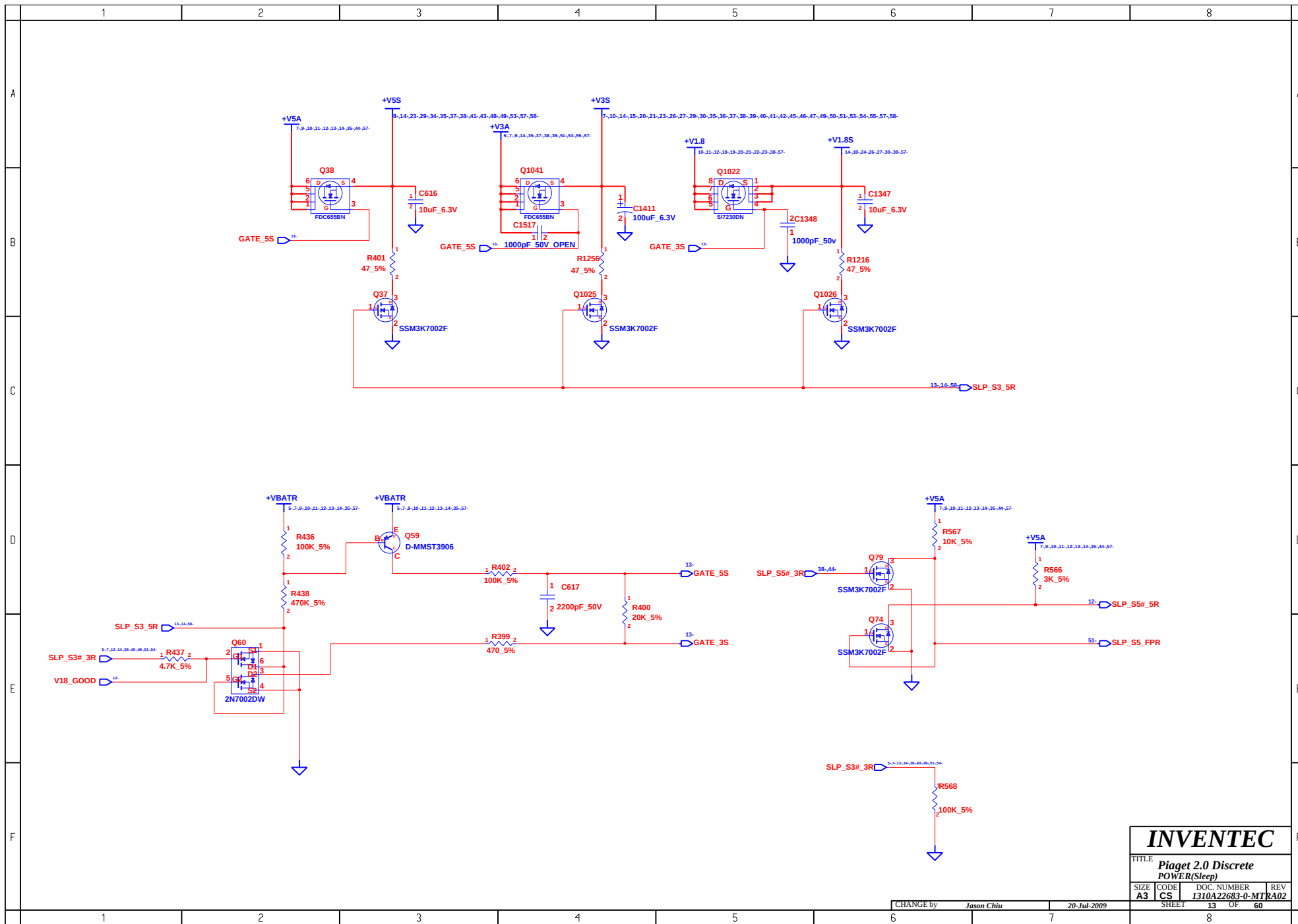
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**Piaget 2.0 Discrete
DDR2 POWER**

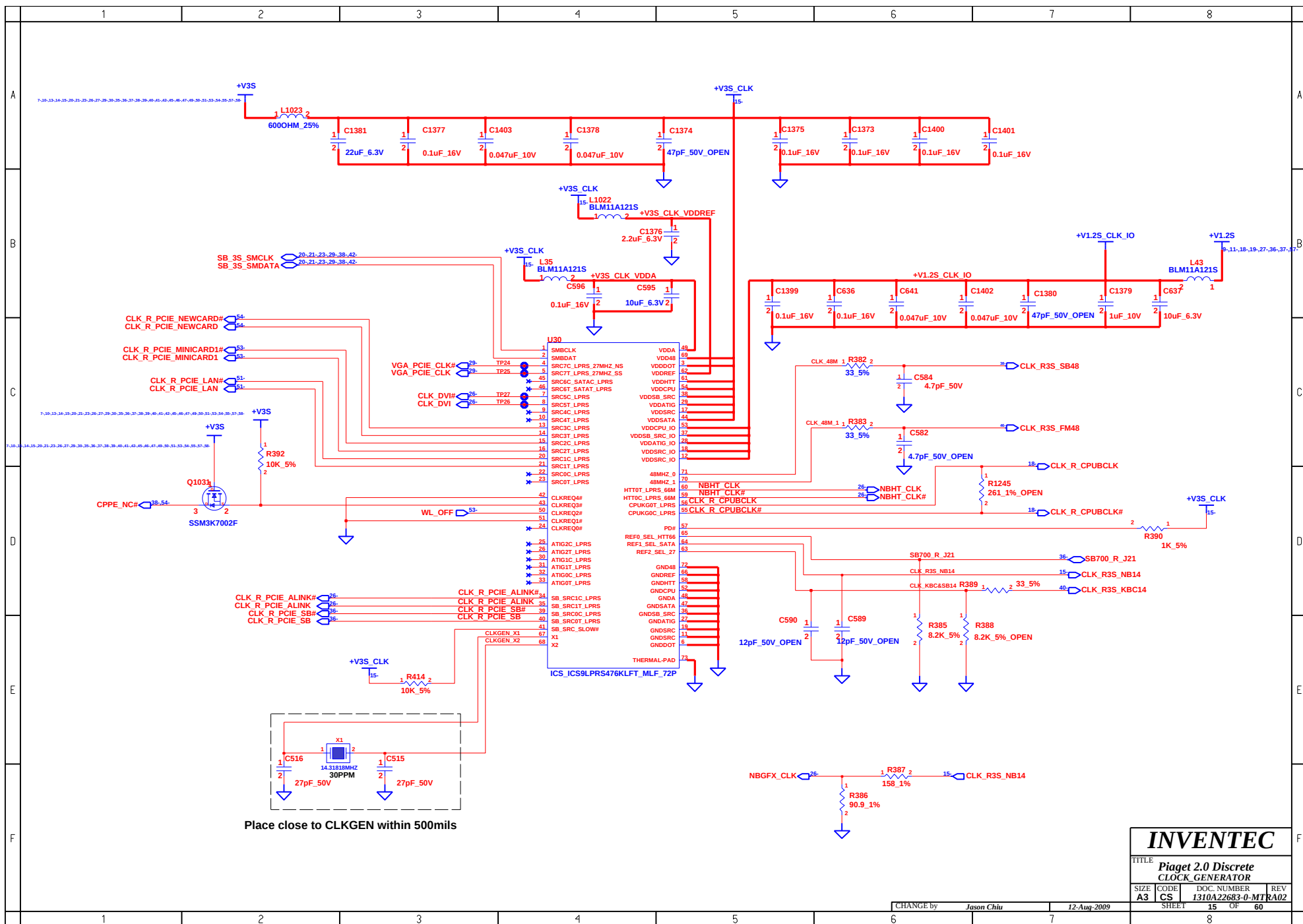
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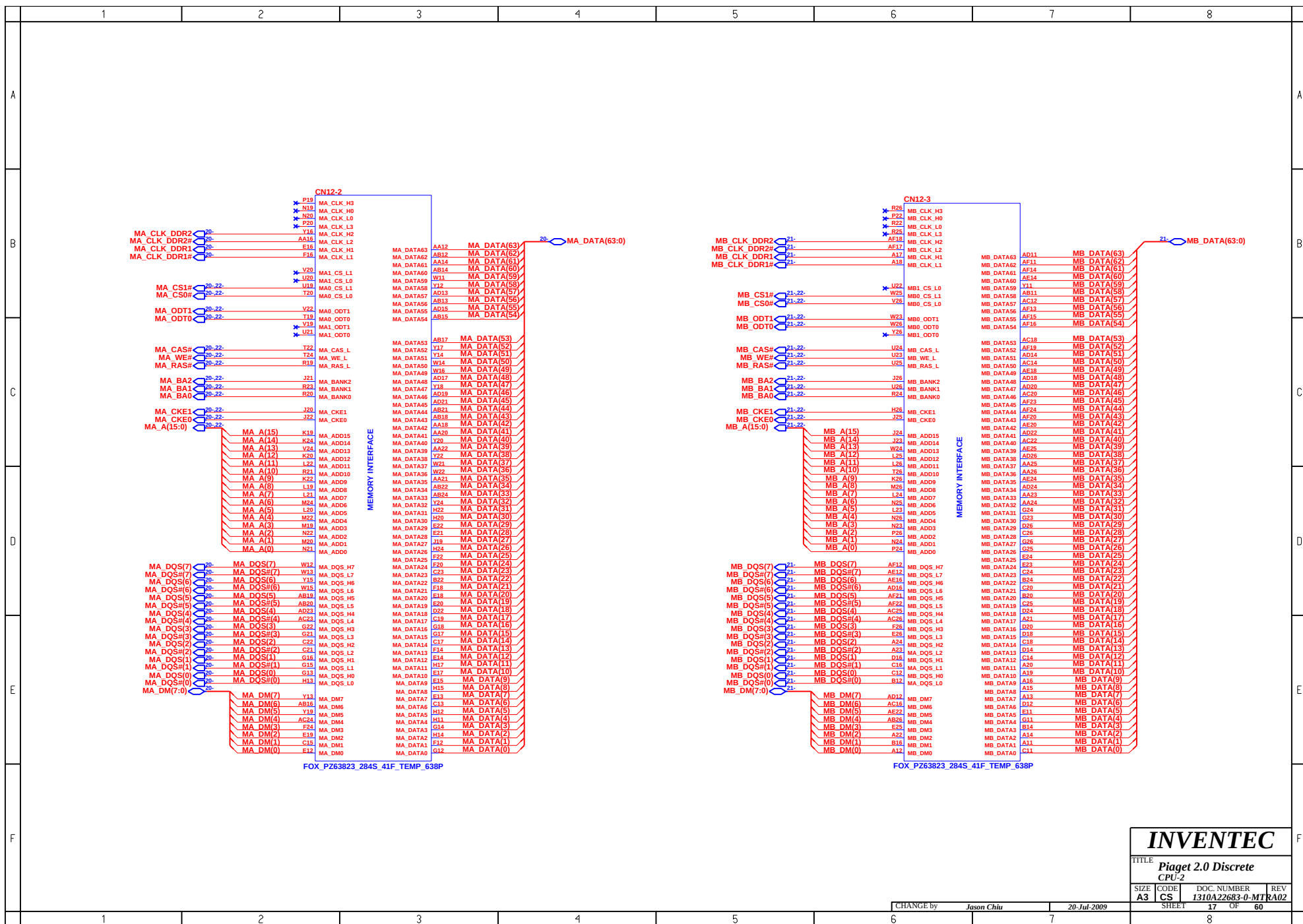
CHANGE by *Jason Chiu* 20-Jul-2009

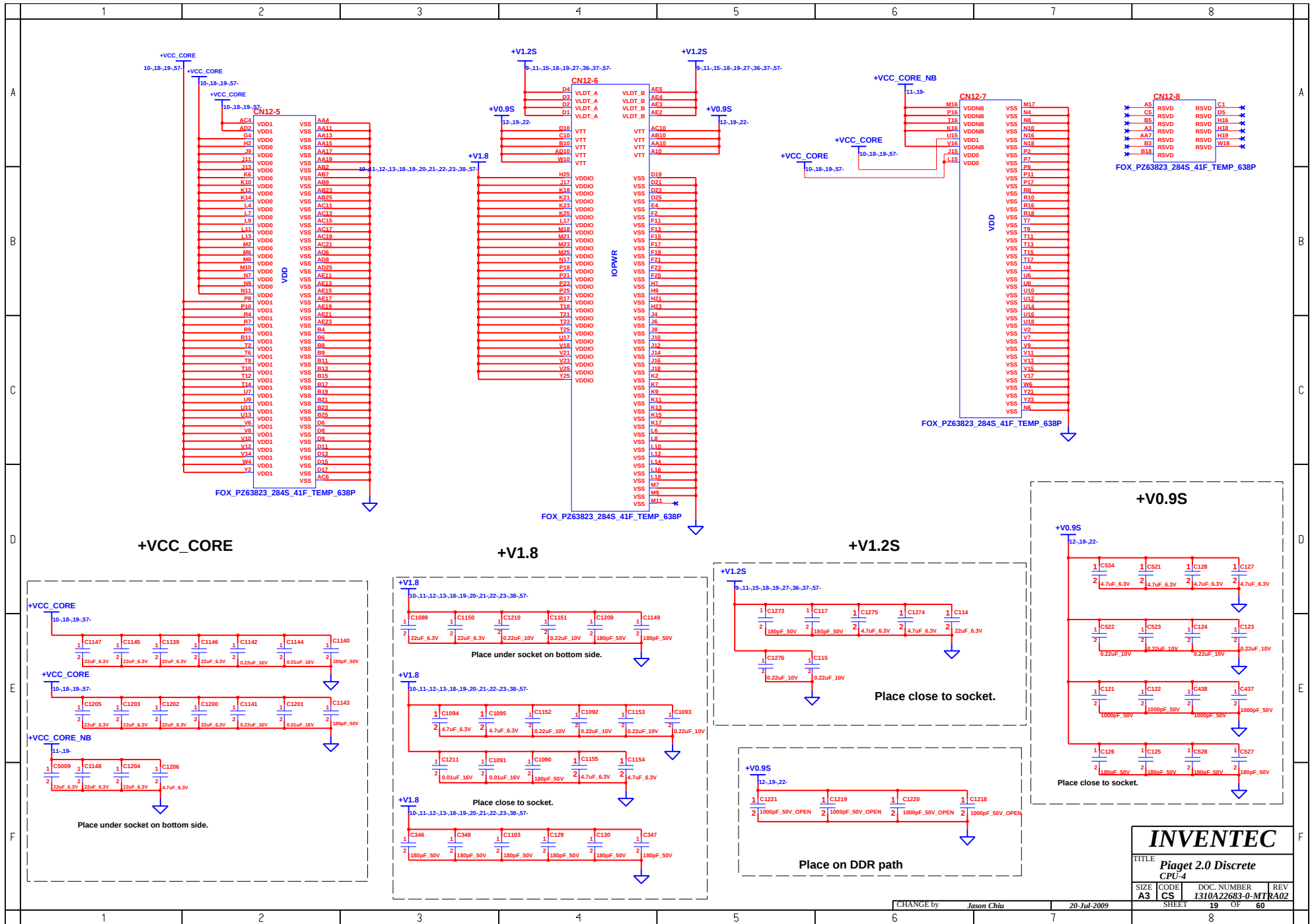
SHEET 12 OF 60

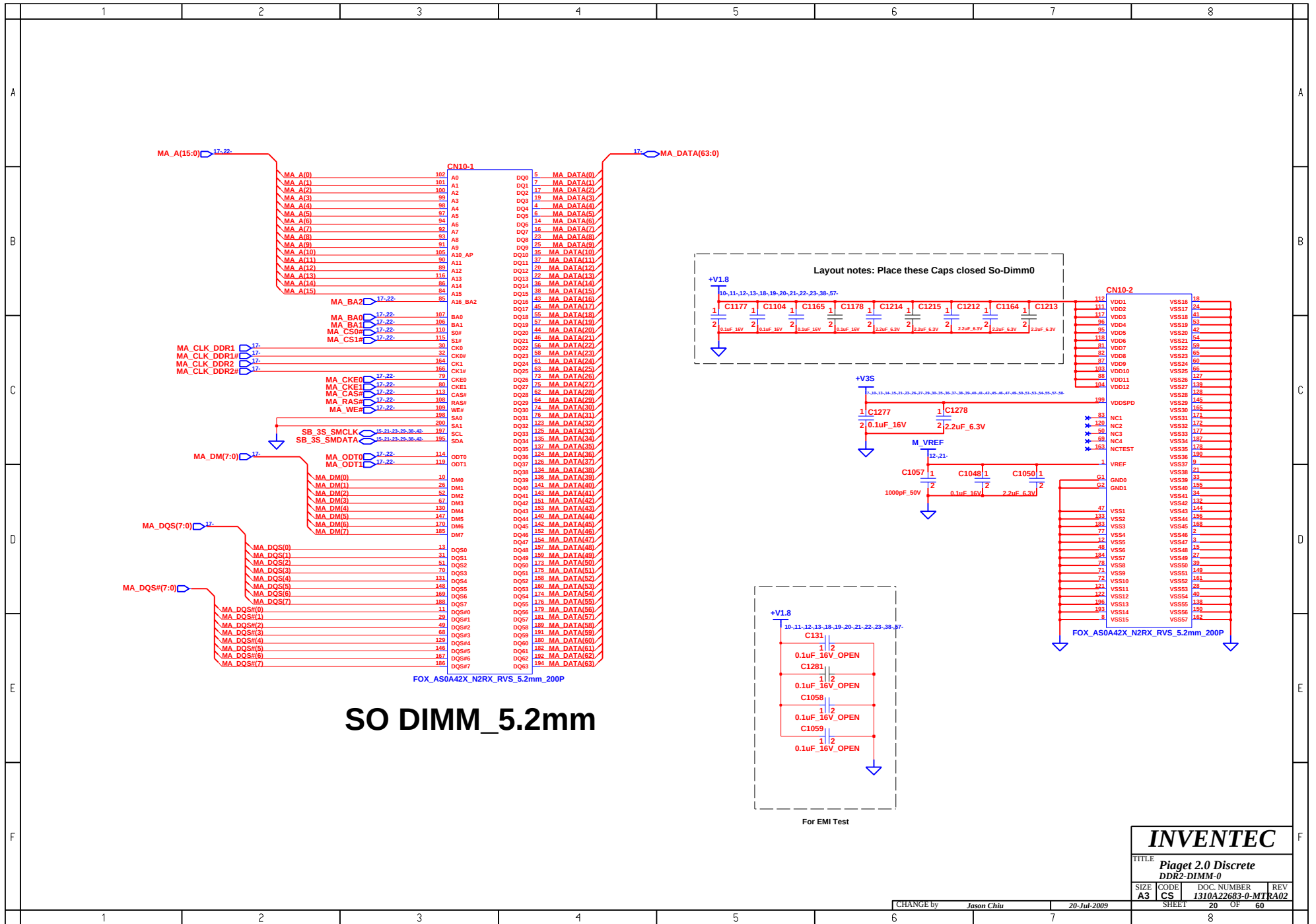


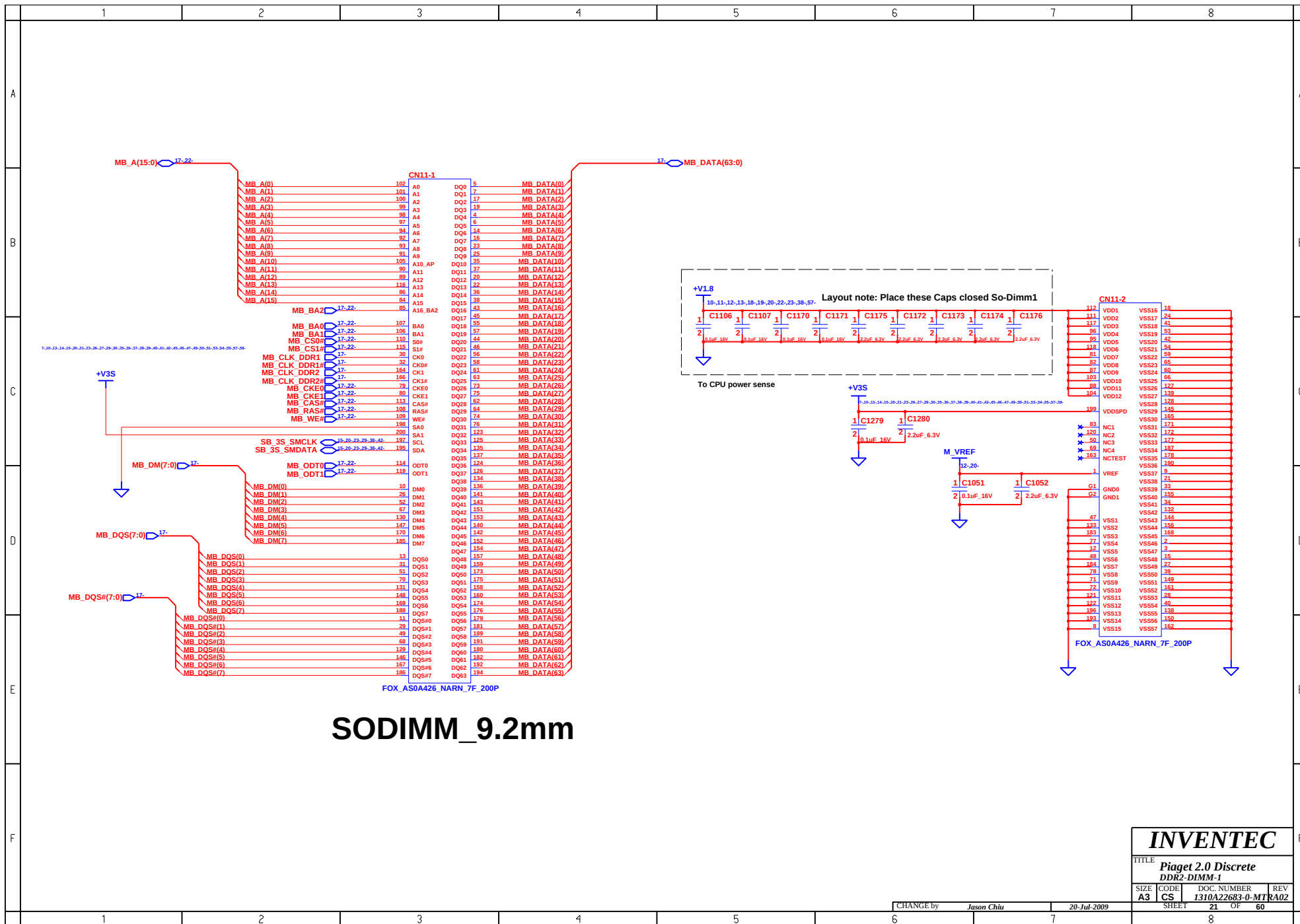
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TITLE Piaget 2.0 Discrete POWER(Sleep)			
SIZE A3	CODE CS	DOC. NUMBER I310A22683-0-MTR	REV RA02
SHEET 13		OF 60	







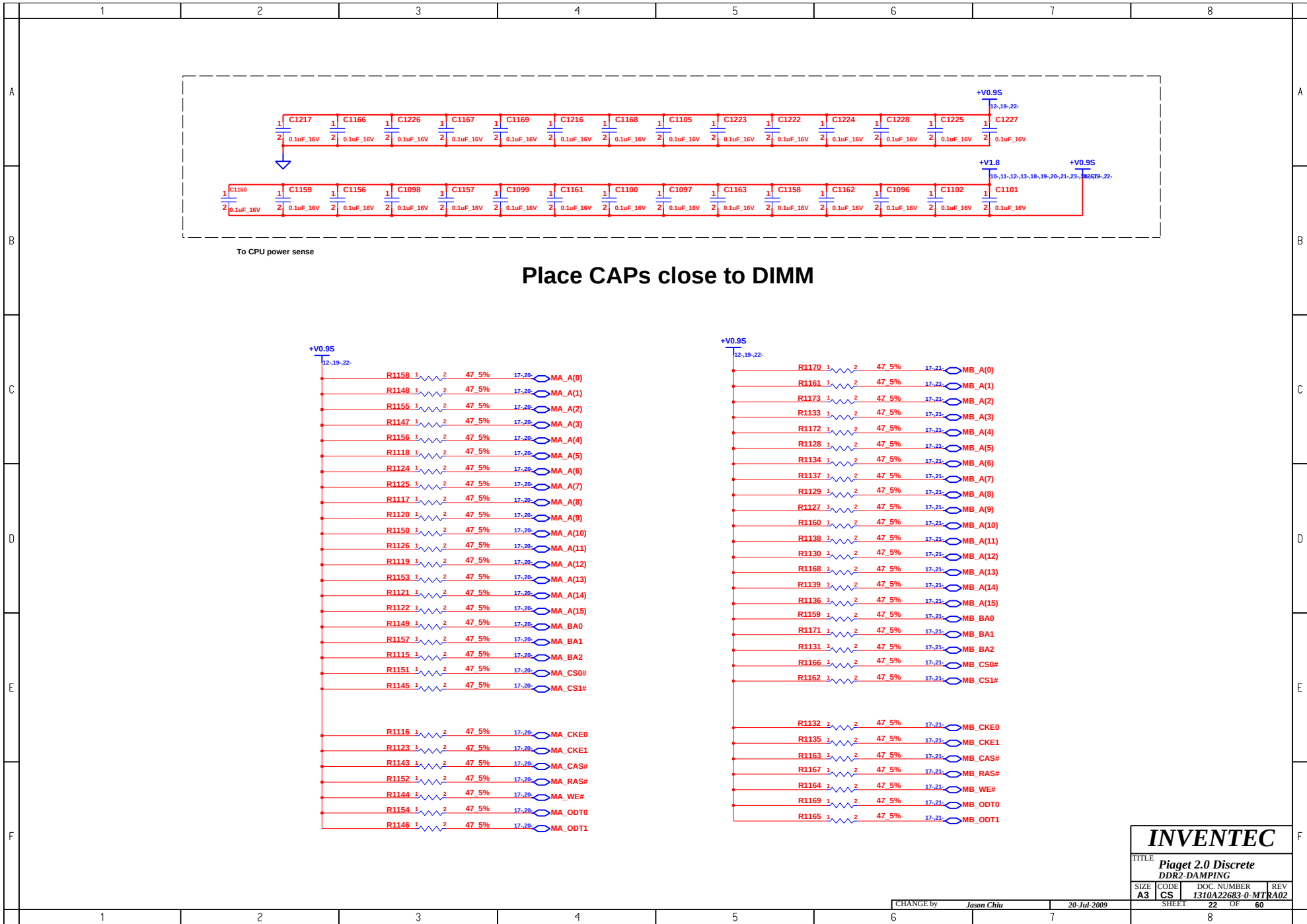




SODIMM_9.2mm

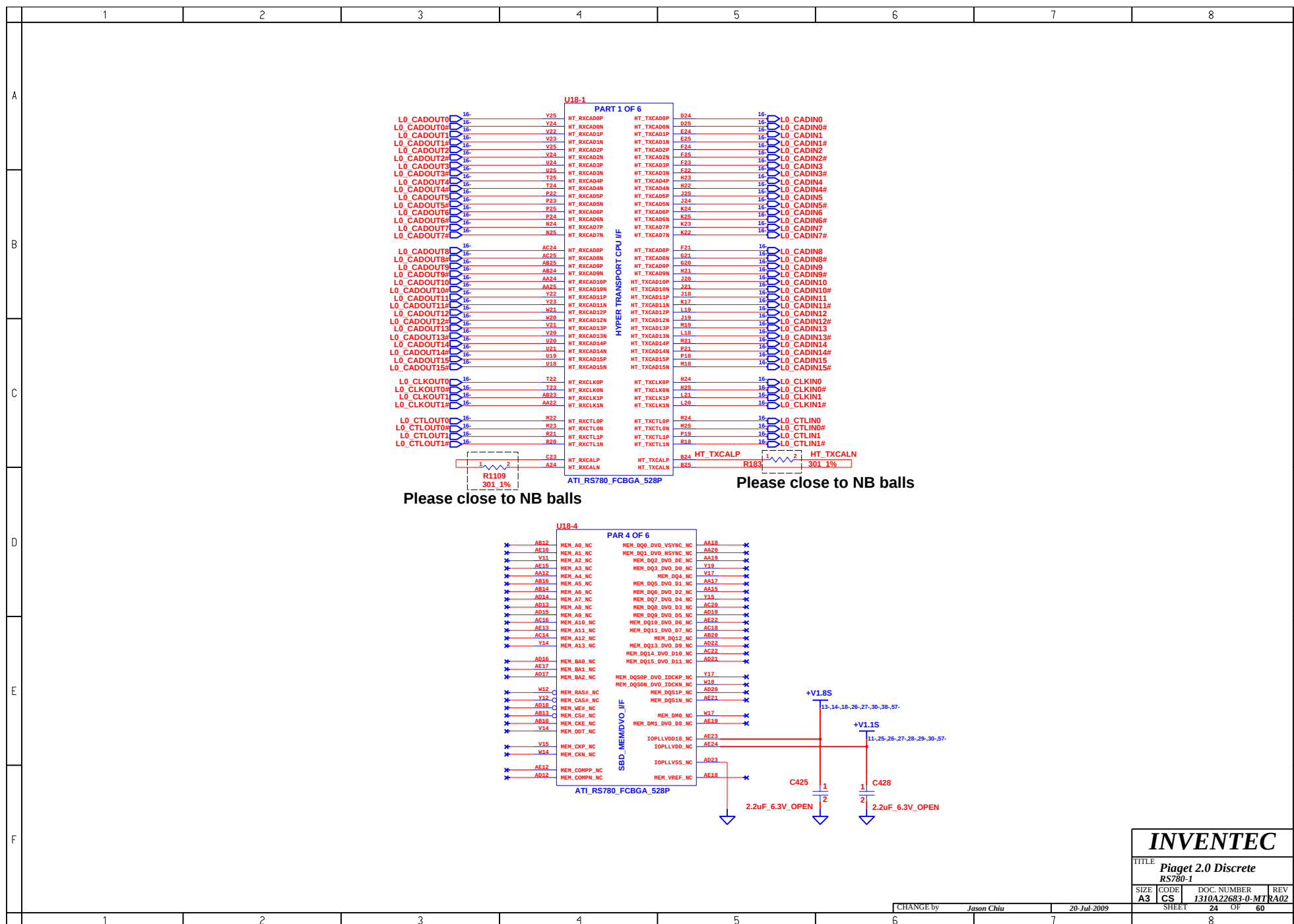
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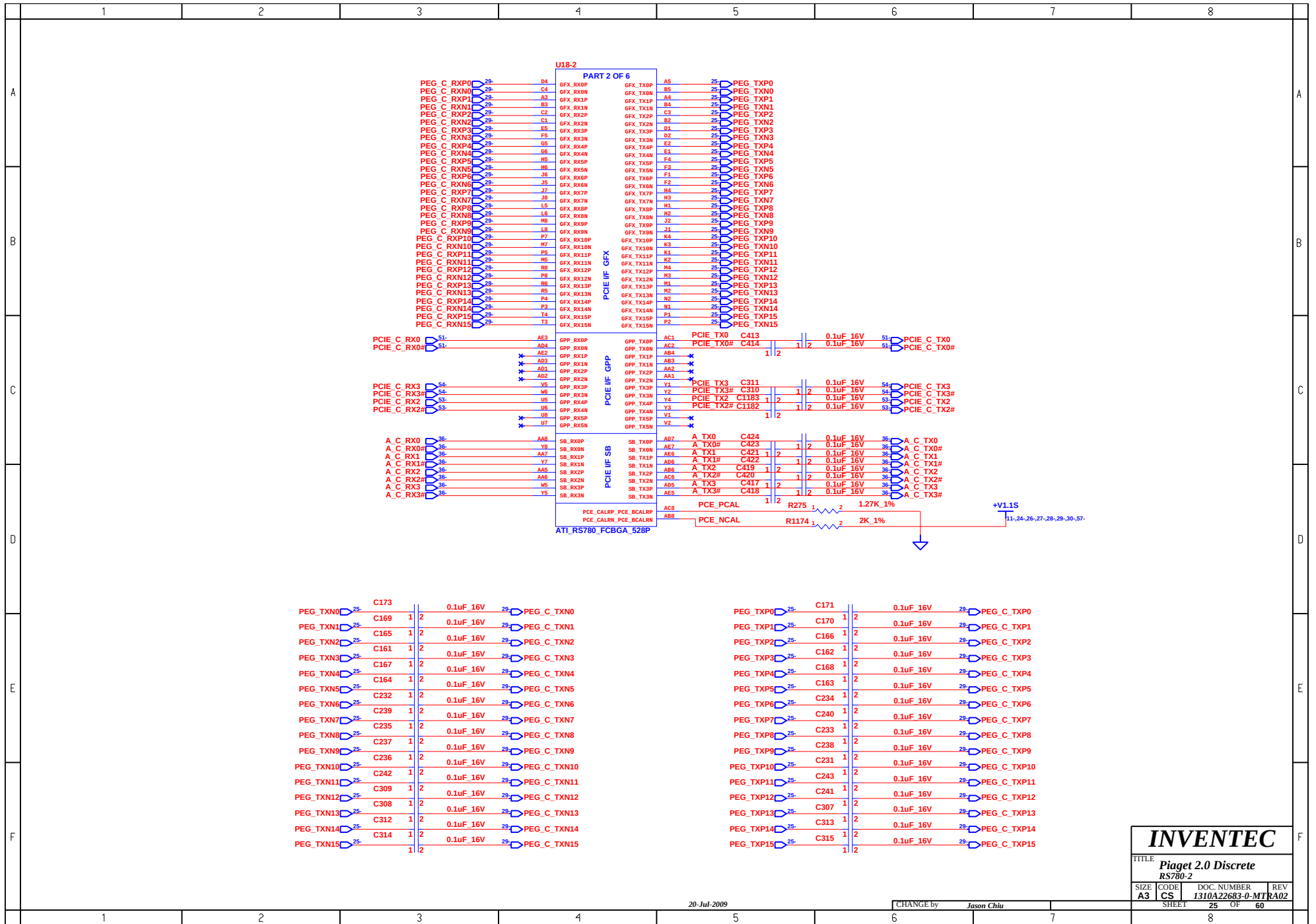
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DDR2-DIMM-1			
SIZE	CODE	DOC. NUMBER	REV
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CHANGE by		Jason Chiu	20-Jul-2009
SHEET		21	OF 60

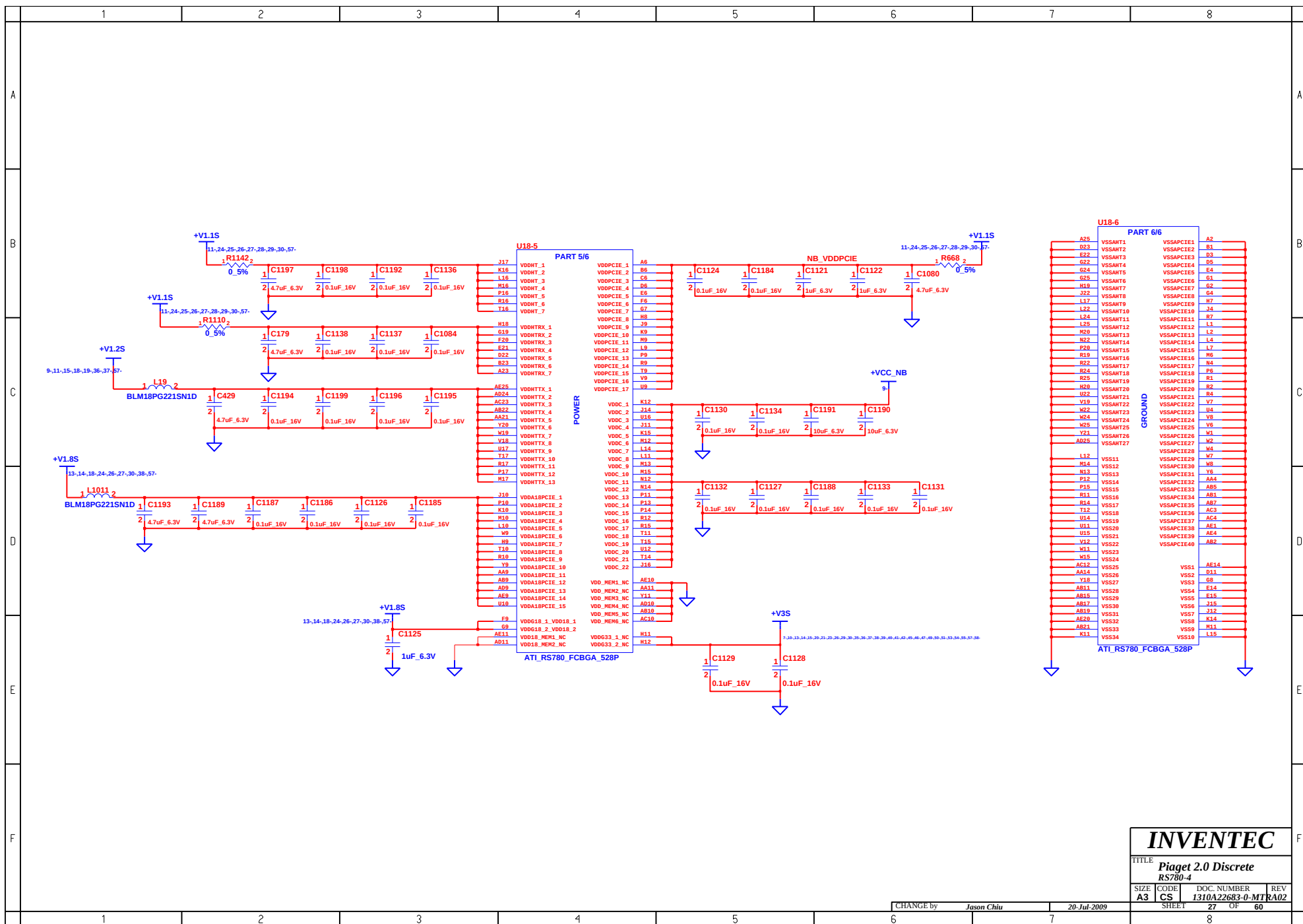


INVENTEC

TITLE			
Piaget 2.0 Discrete			
DDR2-DAMPING			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22683-0-MT	RA02
SHEET		22	OF 60







INVENTEC

TITLE	<i>Piaget 2.0 Discrete</i>
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R3700-4			
SIZE A3	CODE CS	DOC. NUMBER 1310A22683-0-MT	REV A02
SHEET		27	OF 60

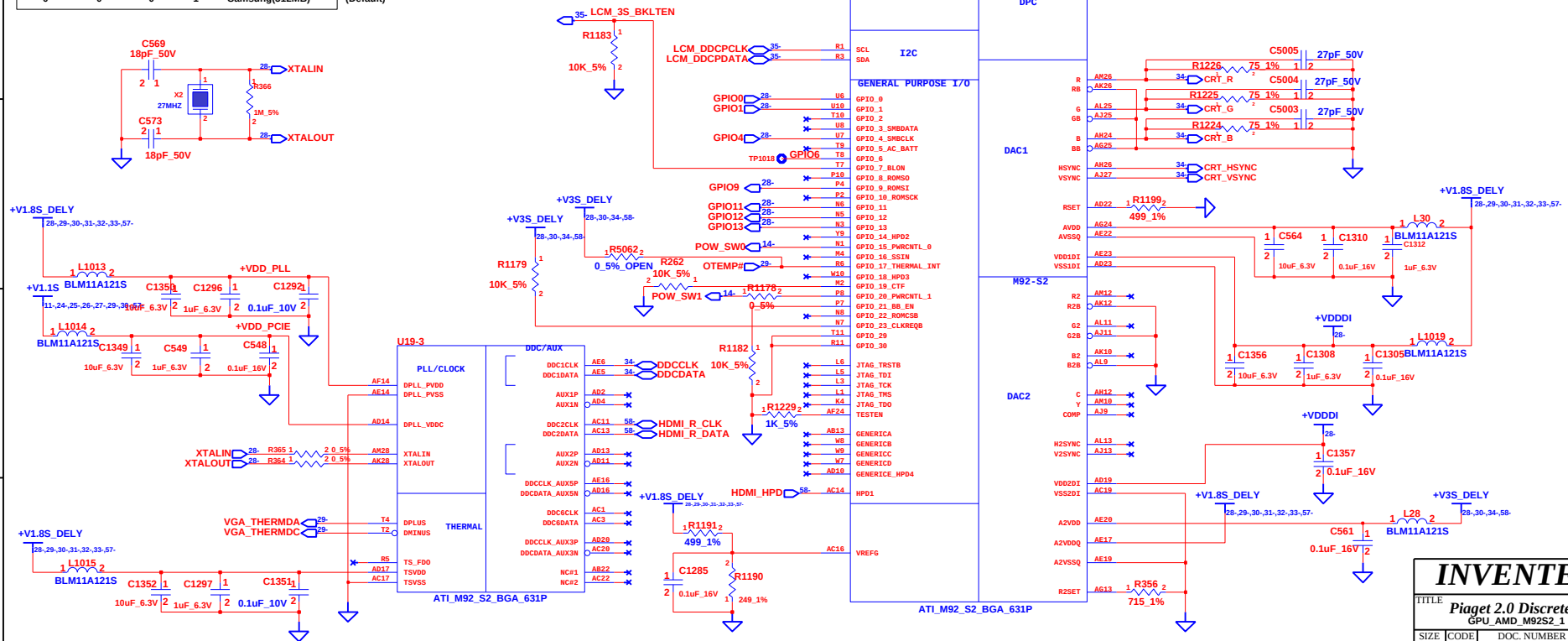
X = DESIGN DEPENDANT
0 = DO NOT INSTALL RESISTOR
1 = INSTALL 10K RESISTOR

GPIO_13	GPIO_12	GPIO_11	For DIS-GDDR2
0	0	1	(512/256M) memory aperture
1	1	0	reserved

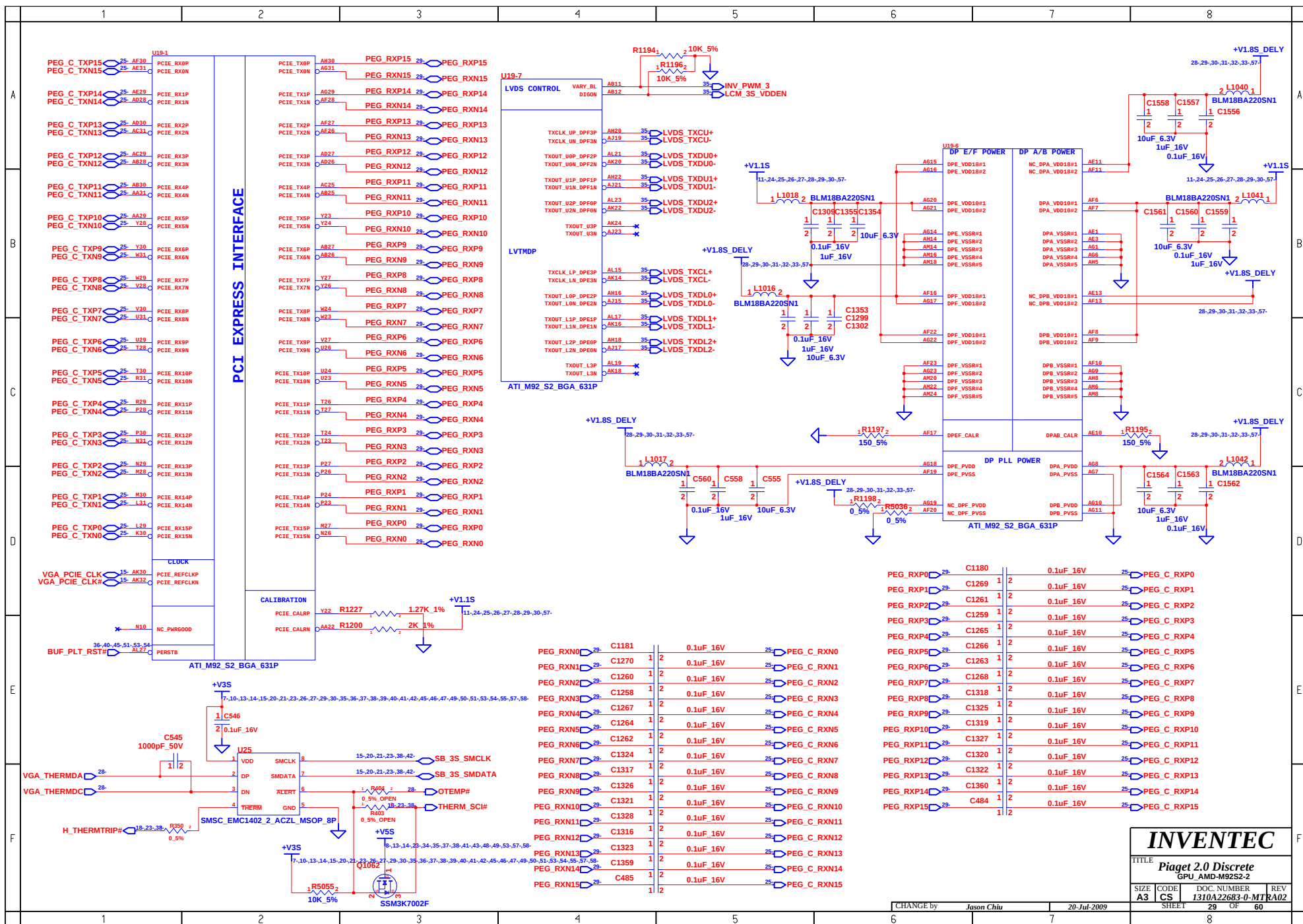
For DIS-GDDR2				
MEM_ID3	MEM_ID2	MEM_ID1	MEM_ID0	vendor
0	0	1	1	hynix (512MB)
0	0	1	0	Qimonda(512M)
0	0	0	1	Samsung(512MB)

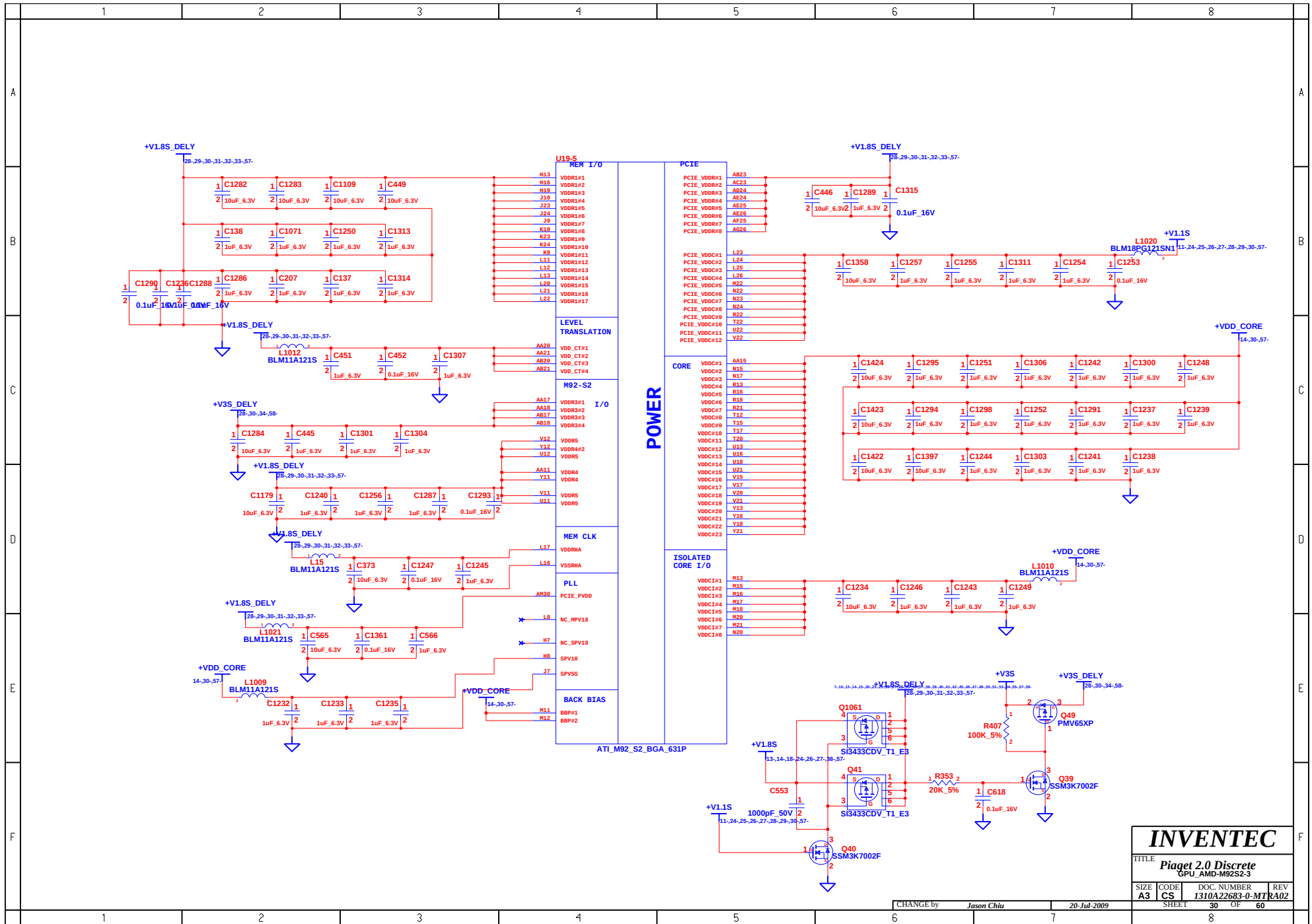
(Default)

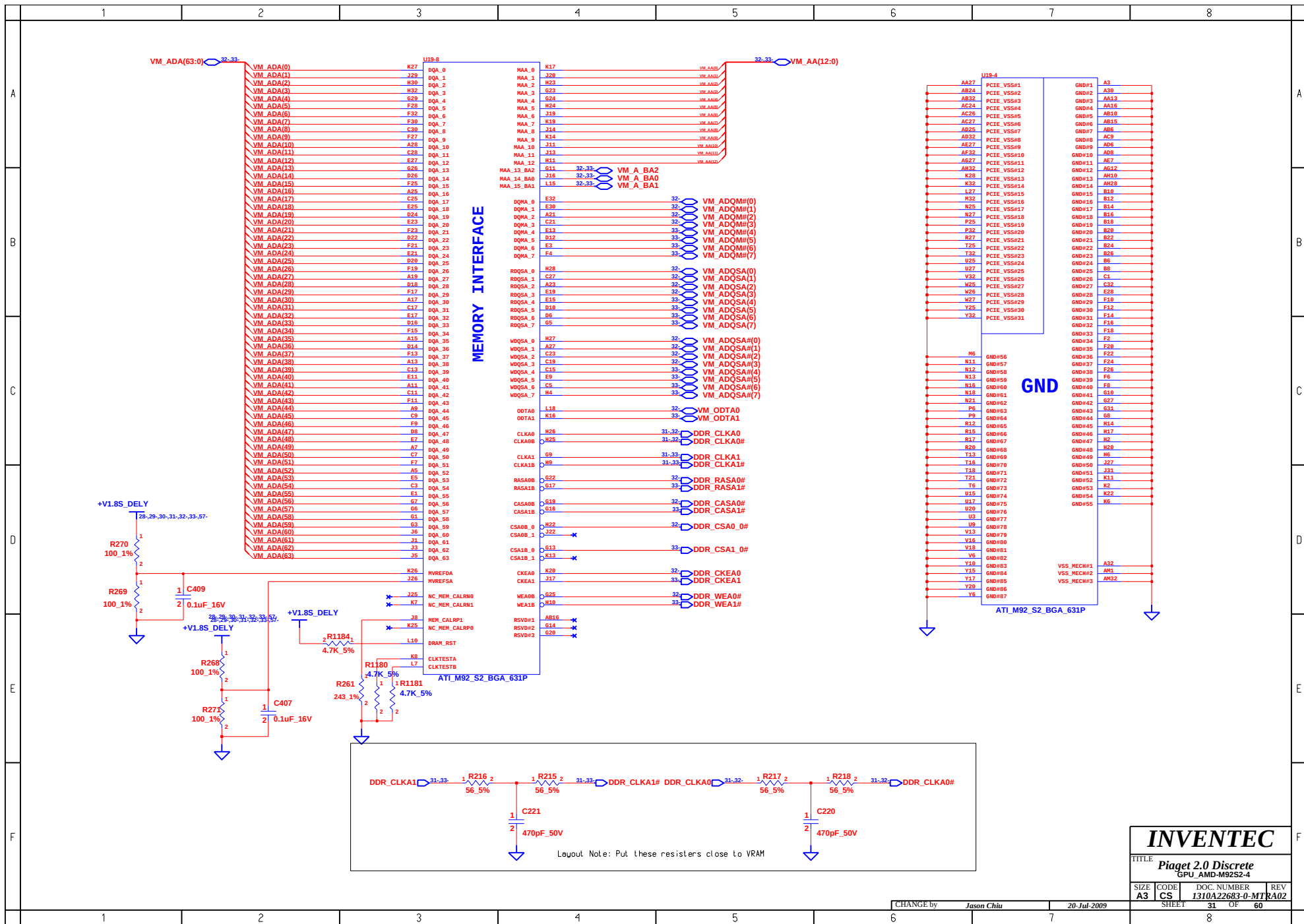
POW_SW1	POW_SW0	+VDD_CORE
0	0	0.85V
0	1	0.9V
1	0	0.95V
1	1	1.0V



TITLE			
<i>Piaget 2.0 Discrete</i> GPU_AMD_M92S2_1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22683-0-MTR	A02
SHEET		28	OF 60







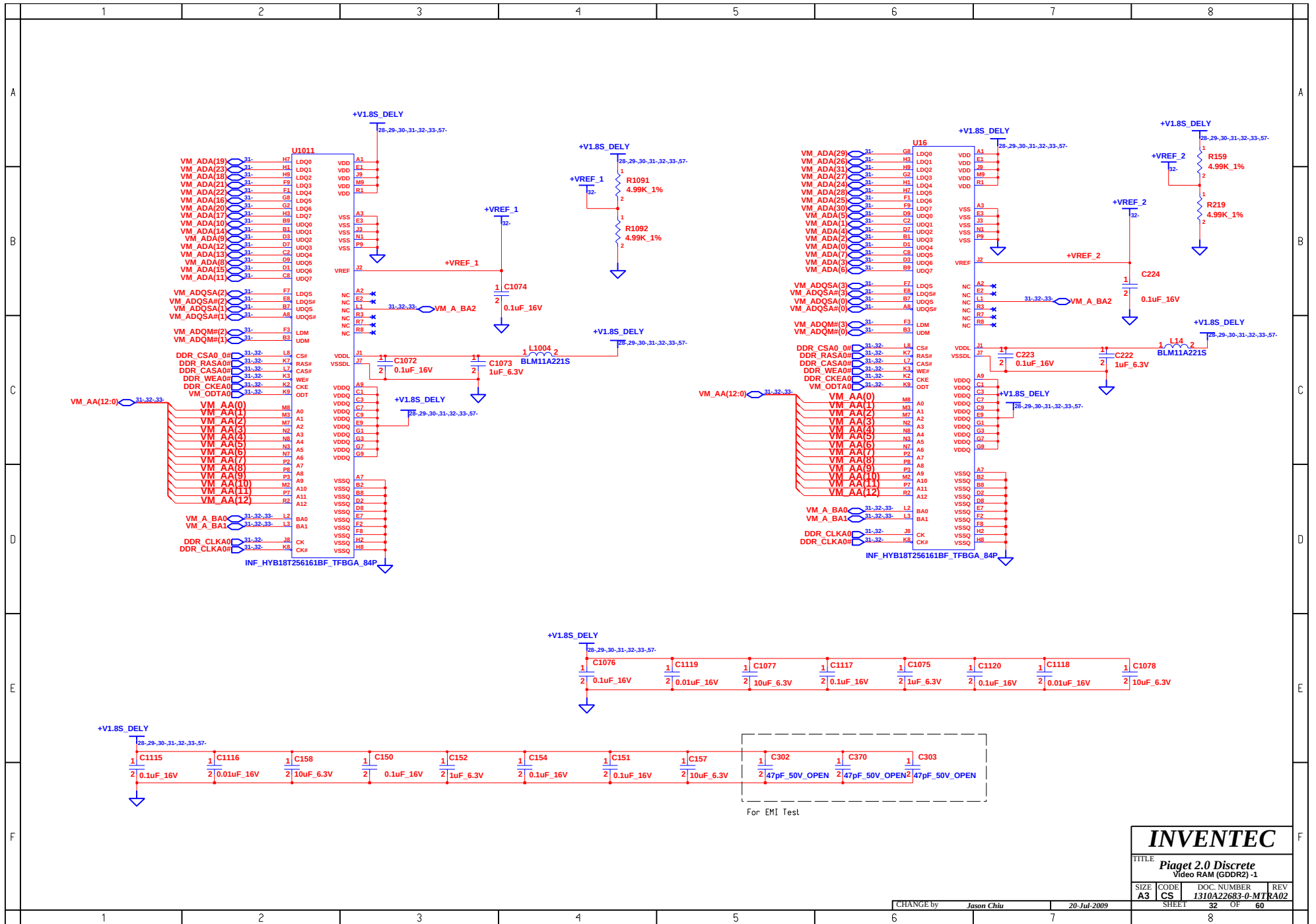
INVENTEC

TITLE
Piaget 2.0 Discrete
GPU_AMD-M9252-4

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22683-0-MT	RA02

CHANGE by Jason Chiu 20-Jul-2009

SHEET 31 OF 60

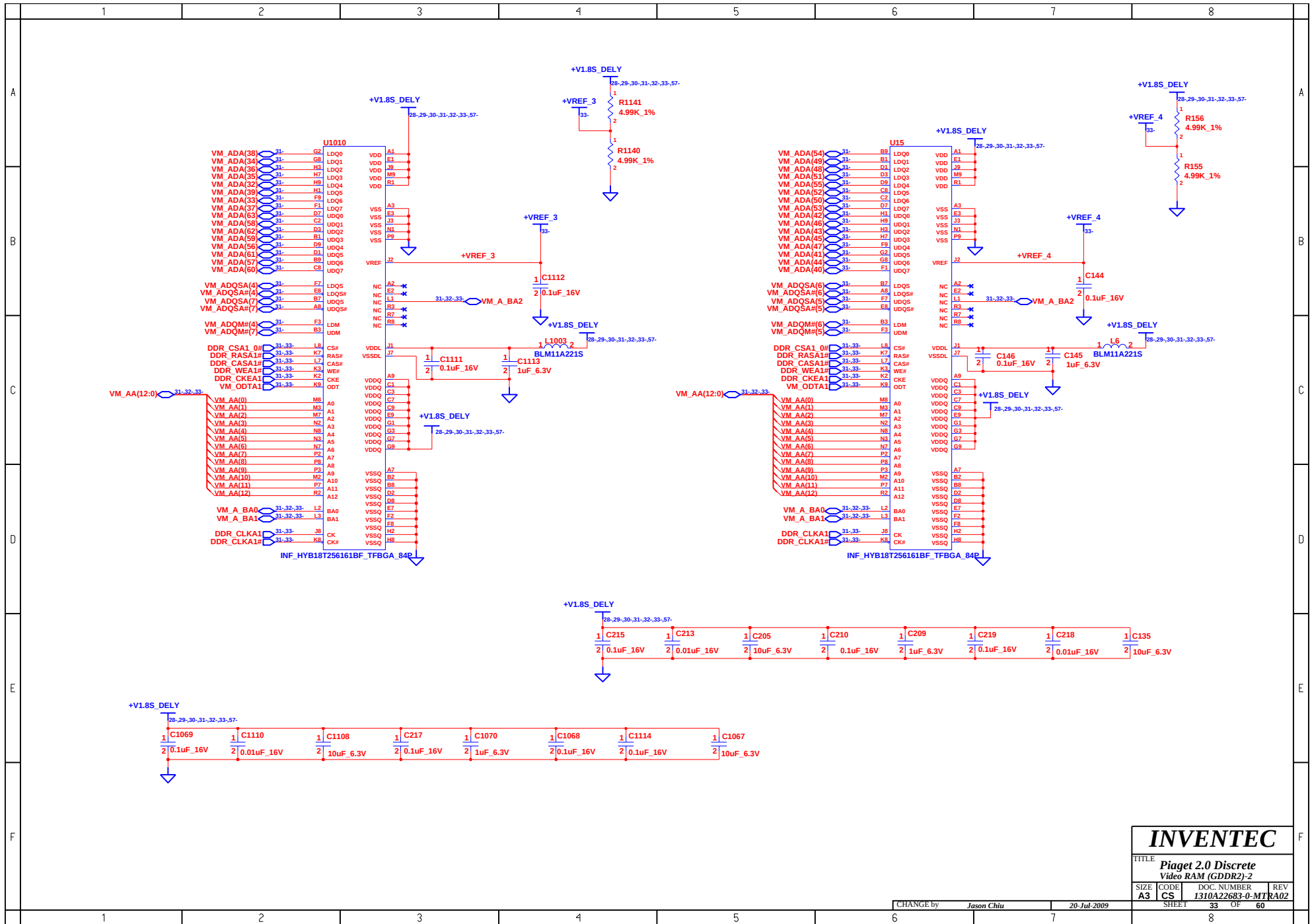


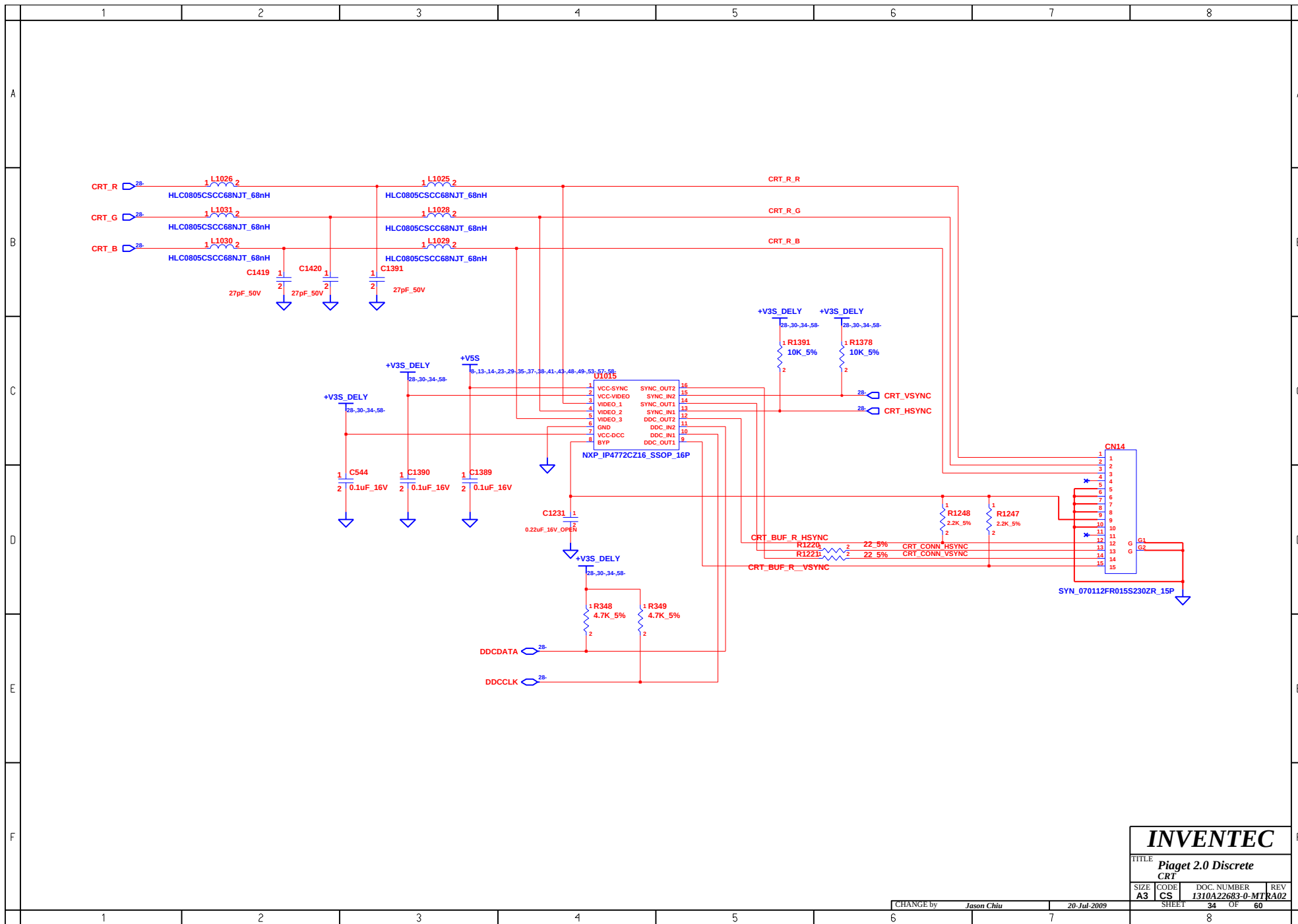
INVENTEC

TITLE Piaget 2.0 Discrete Video RAM (GDDR2) -1			
SIZE A3	CODE CS	DOC. NUMBER 1310A22683-0-MT	REV RA02
SHEET 32		OF 60	

CHANGE by Jason Chiu 20-Jul-2009

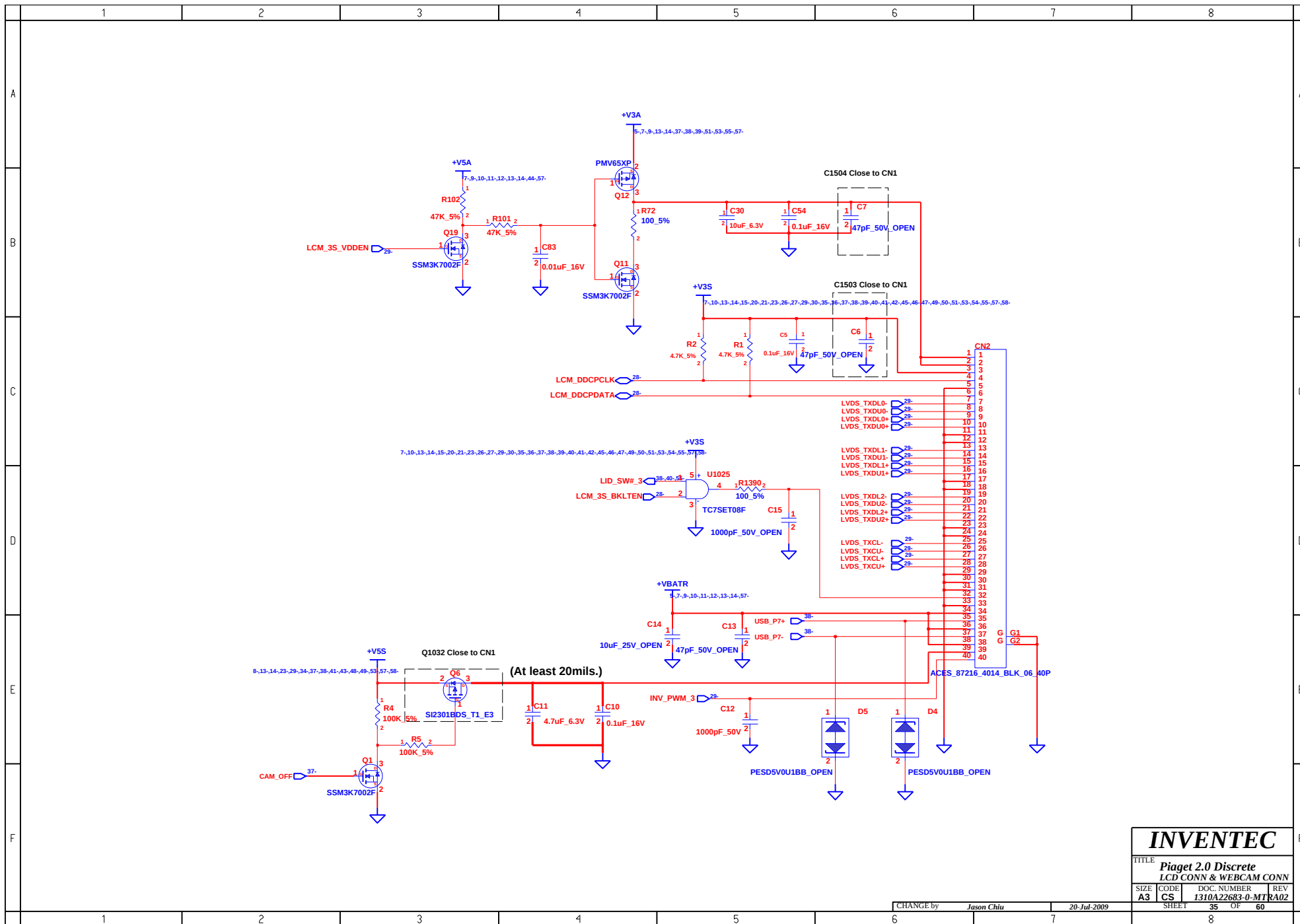
For EMI Test

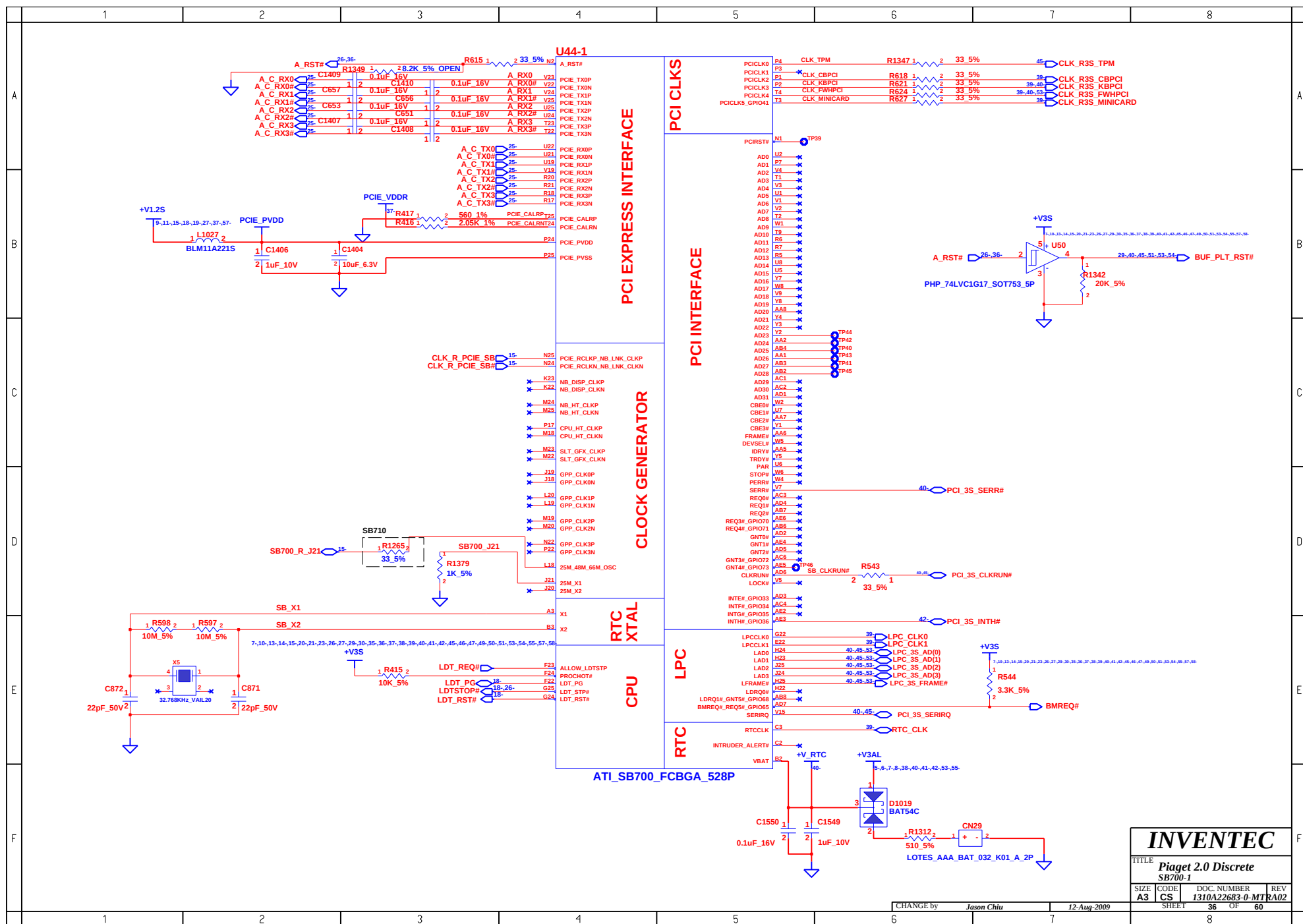


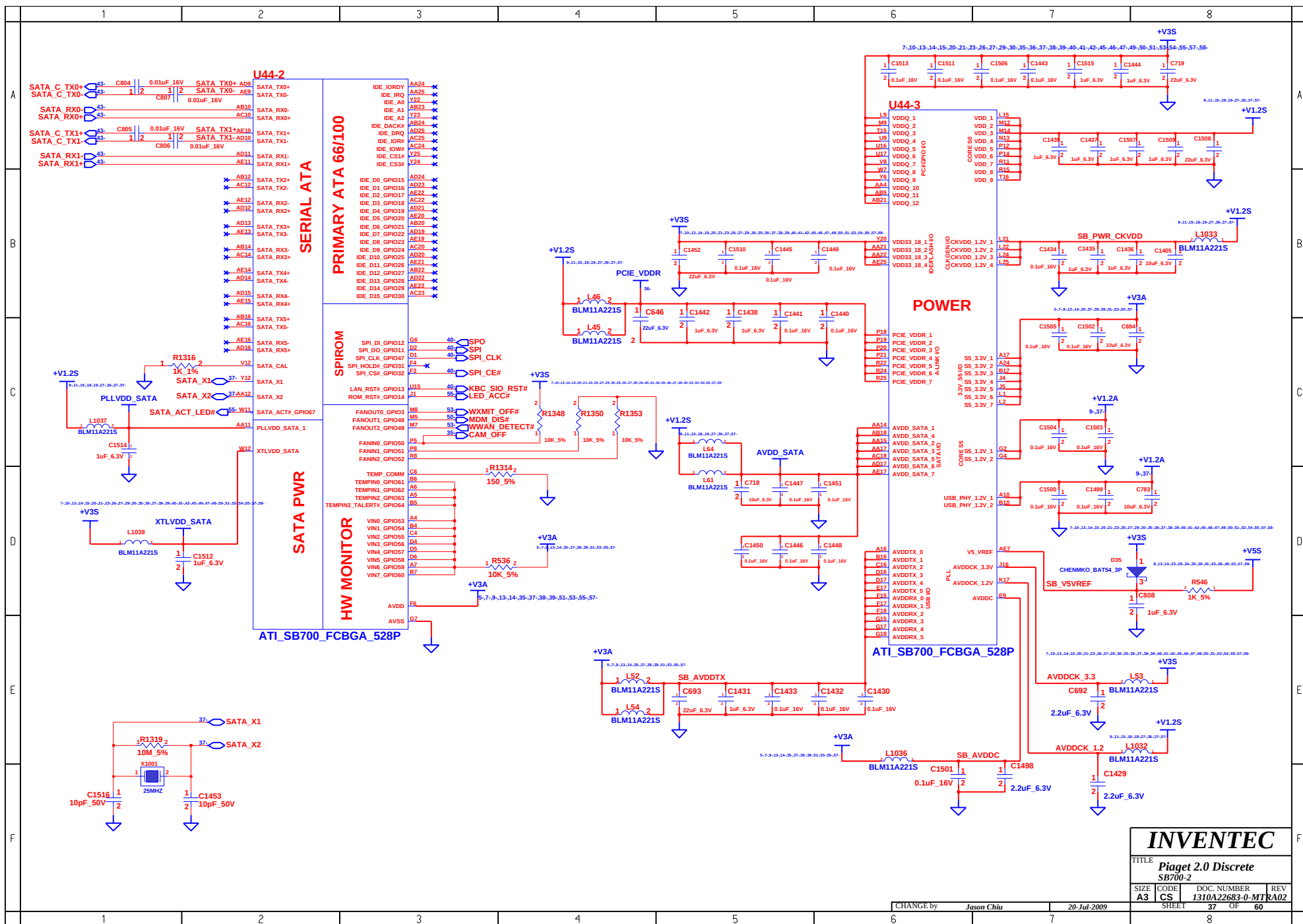


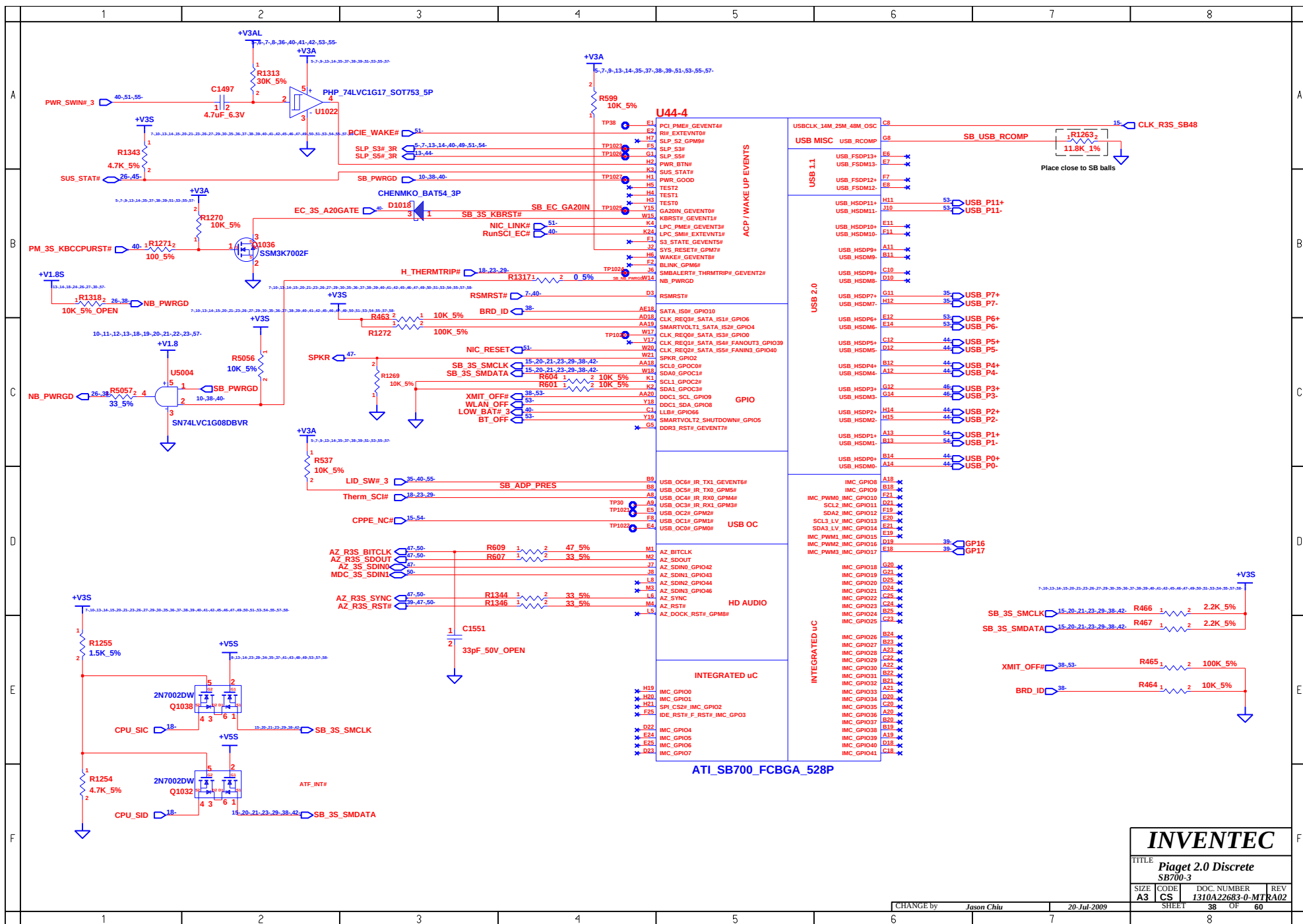
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TITLE			
Piaget 2.0 Discrete			
CRT			
SIZE	CODE	DOC. NUMBER	REV
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SHEET		34	OF 60

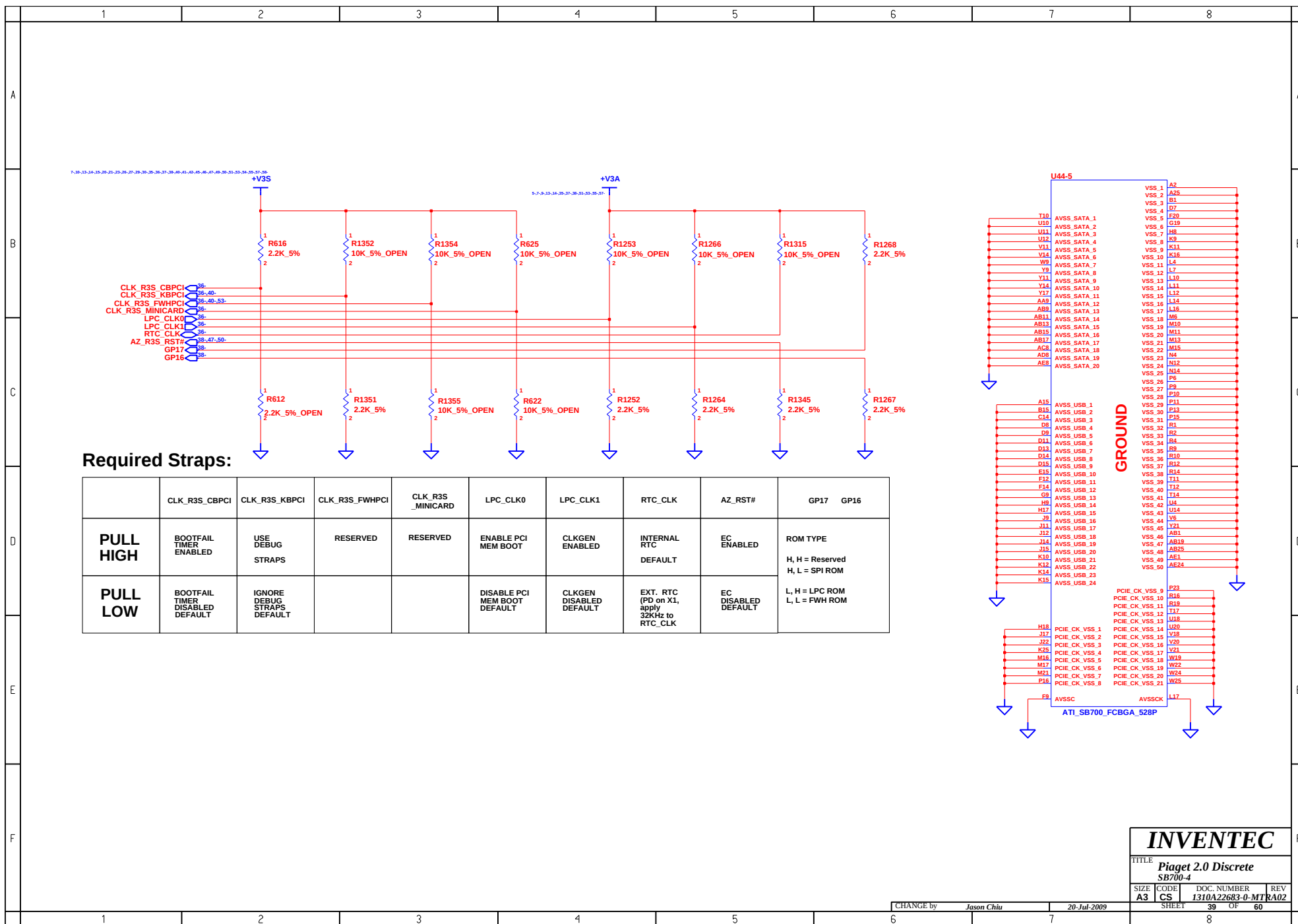
CHANGE by Jason Chiu 20-Jul-2009











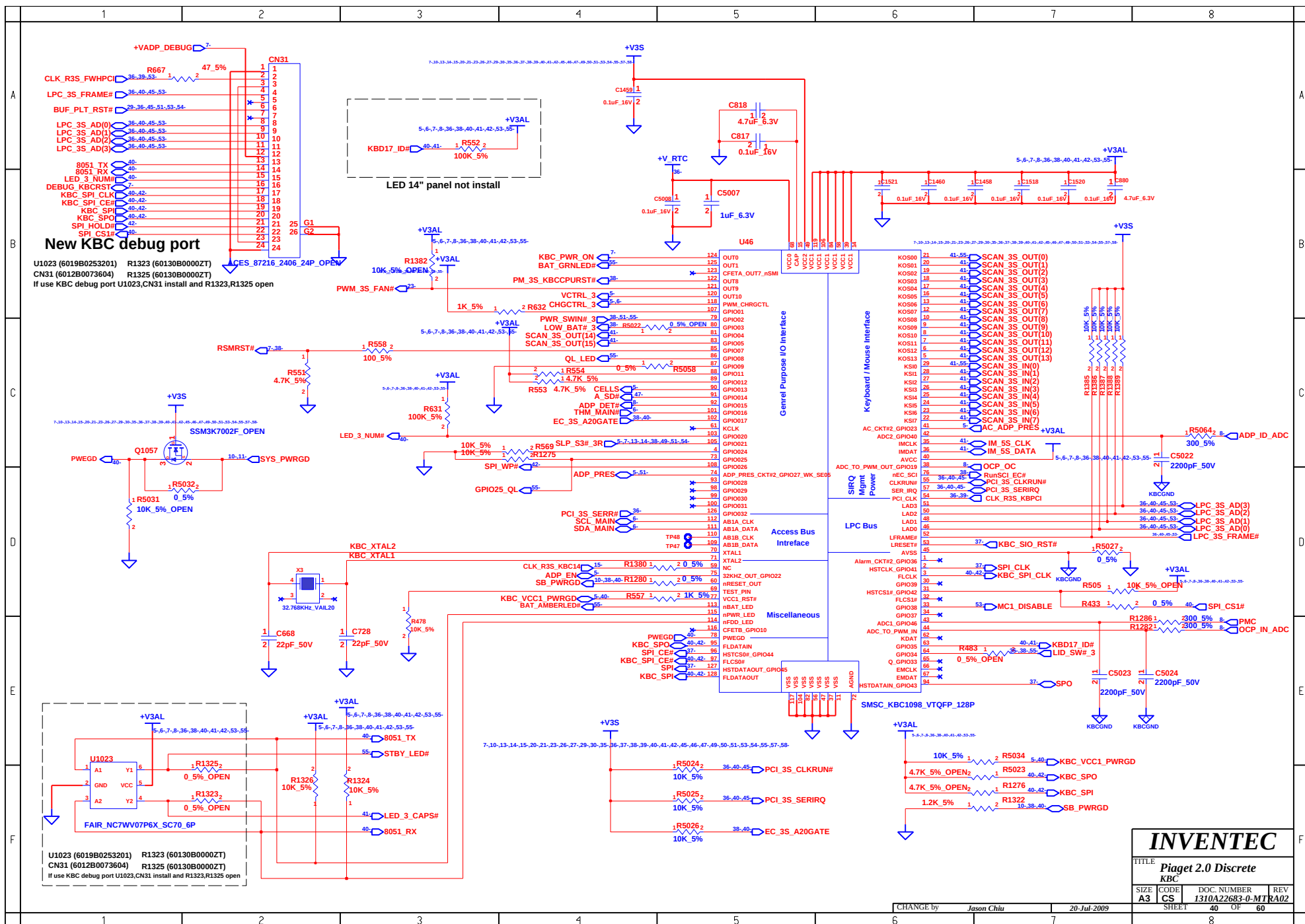
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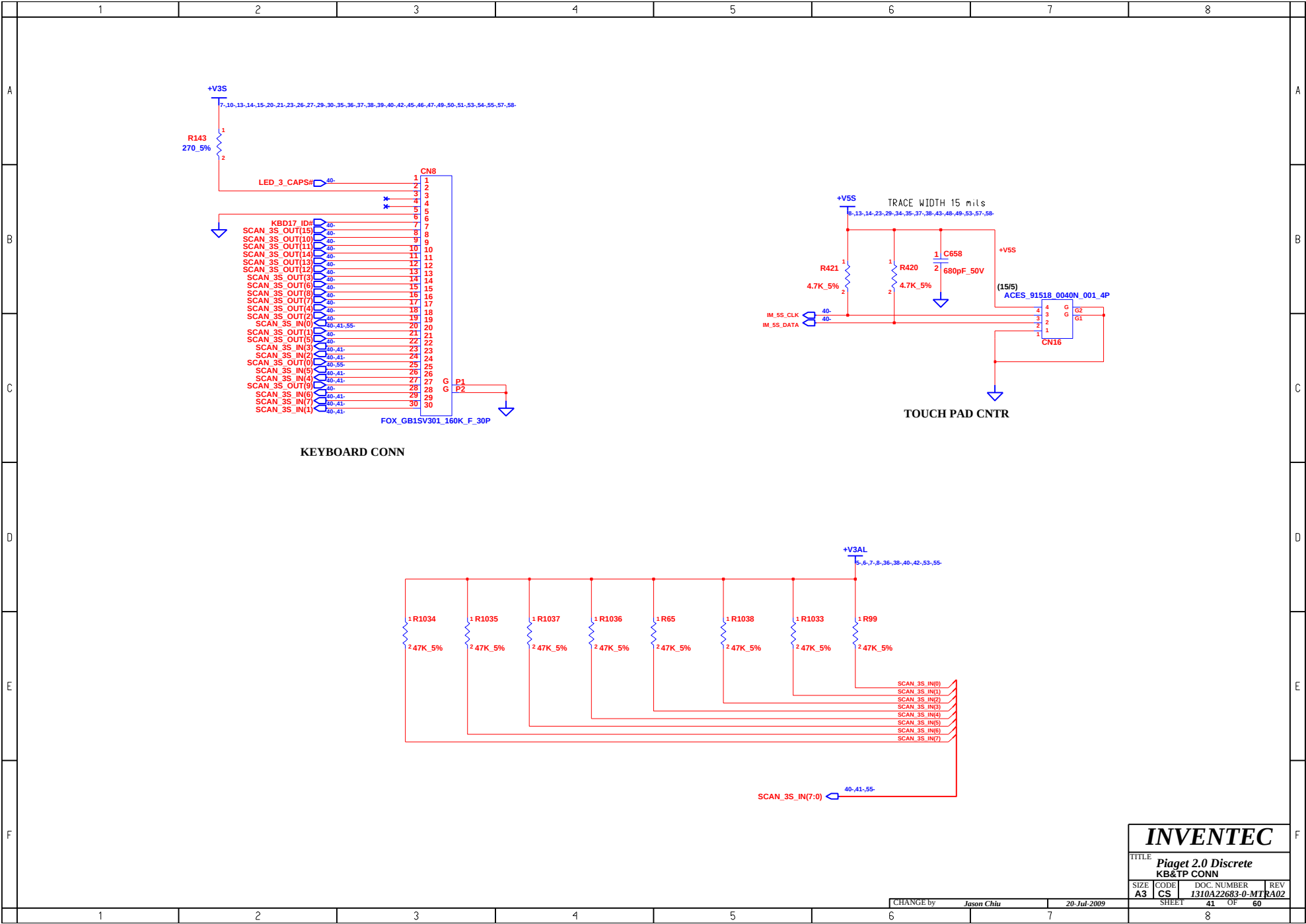
TITLE
**Piaget 2.0 Discrete
SB700-4**

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

CHANGE by Jason Chiu 20-Jul-2009

SHEET 39 OF 60





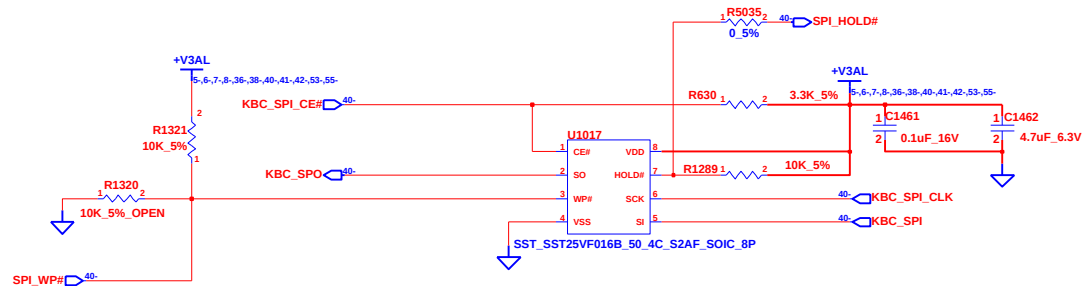
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TITLE
Piaget 2.0 Discrete
KB&TP CONN

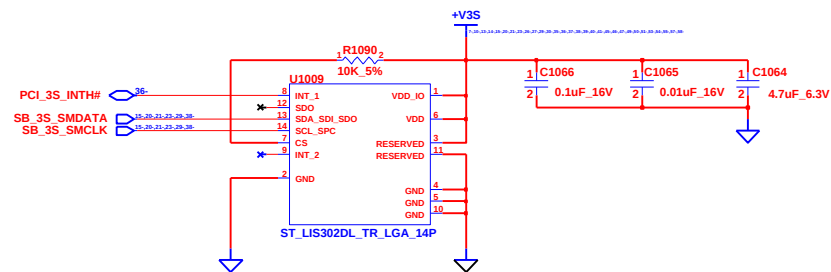
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A3	CS	1310A22683-0-MTR	RA02

CHANGE by Jason Chiu 20-Jul-2009

SHEET 41 OF 60

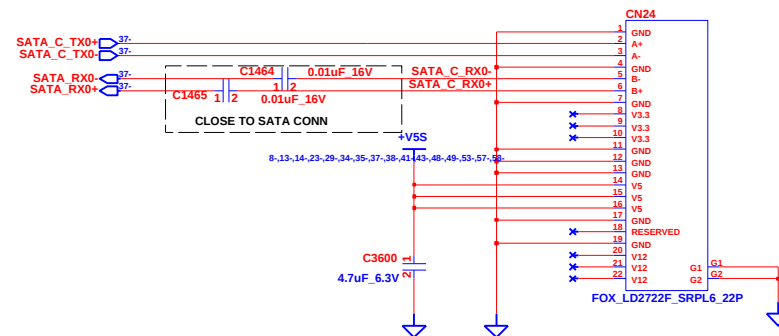


SPI Flash

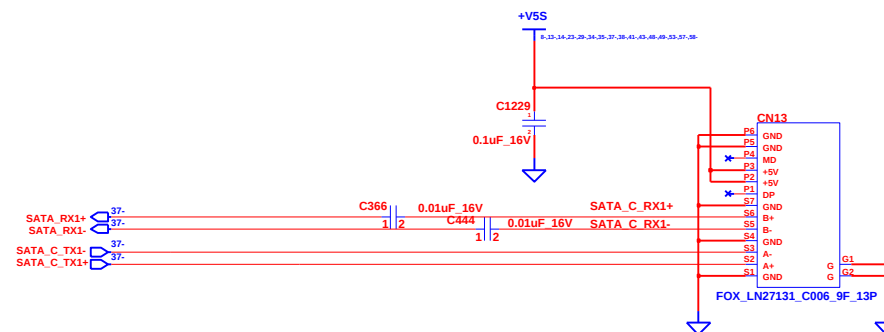


Accelerometer

INVENTEC			
TITLE Piaget 2.0 Discrete SPI & ACCELEROMETER			
SIZE A3	CODE CS	DOC. NUMBER I310A22683-0-MT	REV RA02
CHANGE by <i>Jason Chiu</i>		20-Jul-2009	
SHEET 42		OF 60	

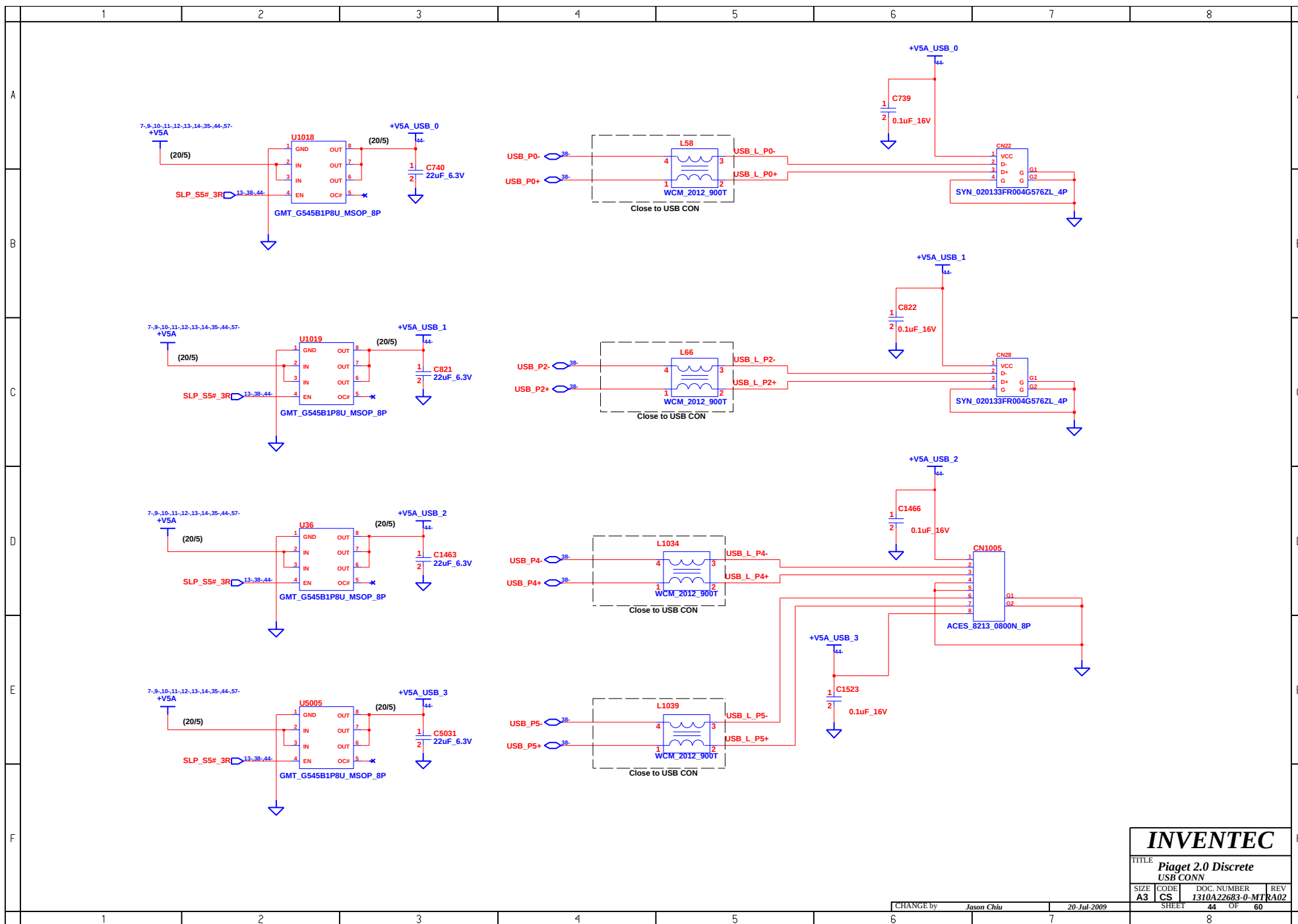


HDD CONNECTOR



ODD SATA CONNECTOR

INVENTEC			
TITLE Piaget 2.0 Discrete			
HDD & ODD CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A22683-0-MTR	REV RA02
CHANGE by Jason Chiu		20-Jul-2009	
SHEET 43		OF 60	



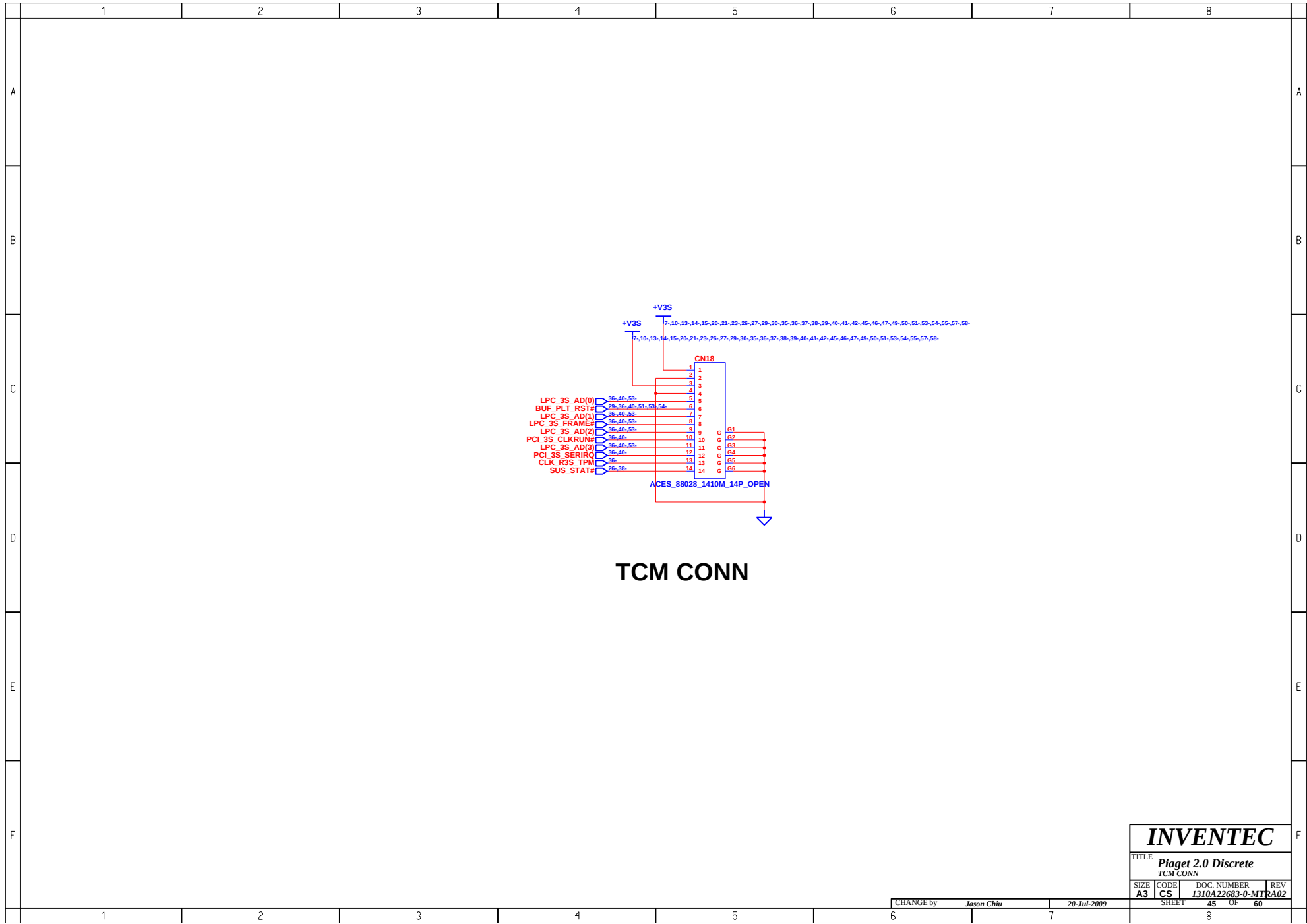
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TITLE
**Piaget 2.0 Discrete
USB CONN**

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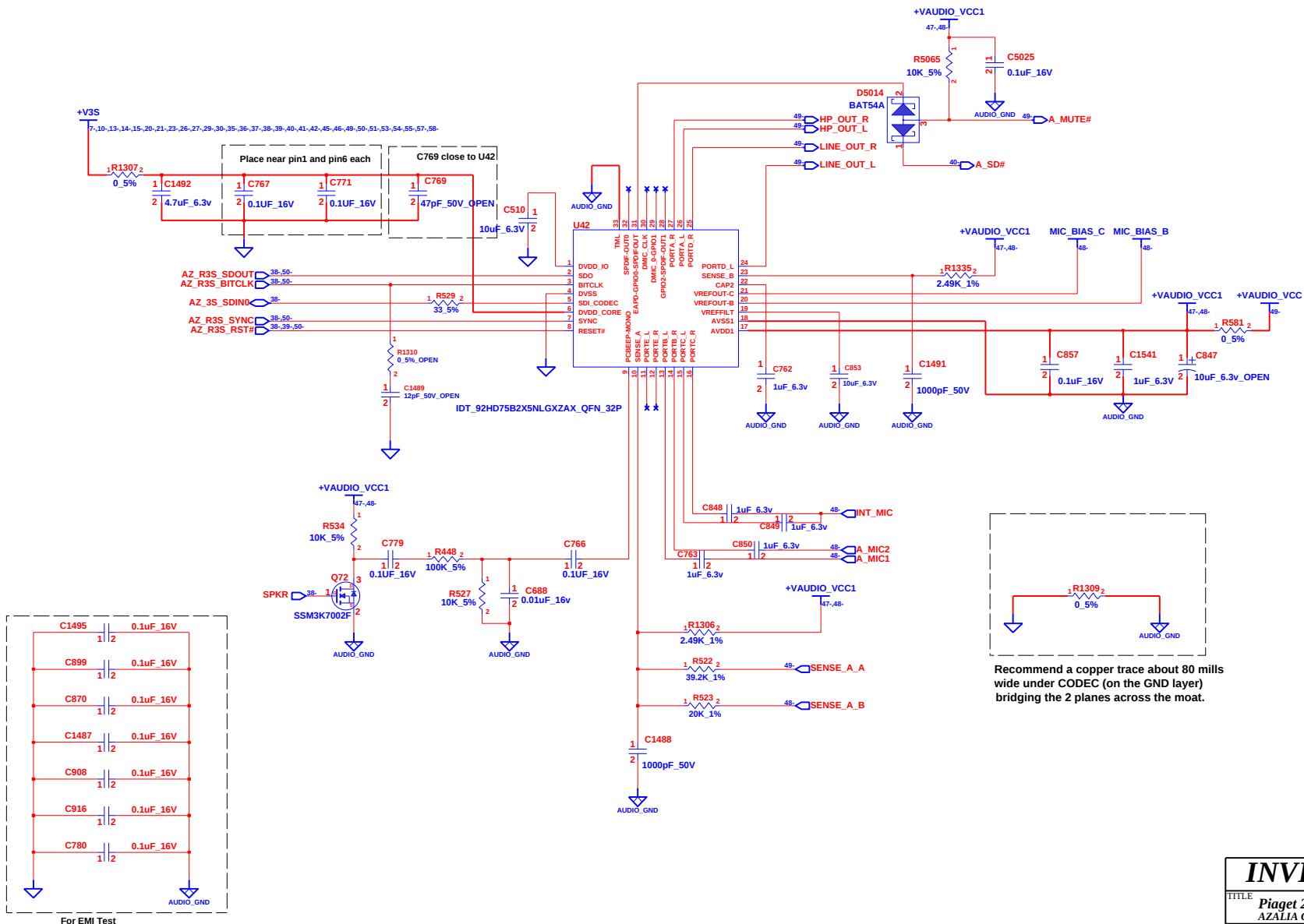
CHANGE by Jason Chiu 20-Jul-2009

SHEET 44 OF 60



TCM CONN

INVENTEC			
TITLE			
Piaget 2.0 Discrete			
TCM CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22683-0-MTR	RA02
CHANGE by		Jason Chiu	20-Jul-2009
SHEET		45	OF 60



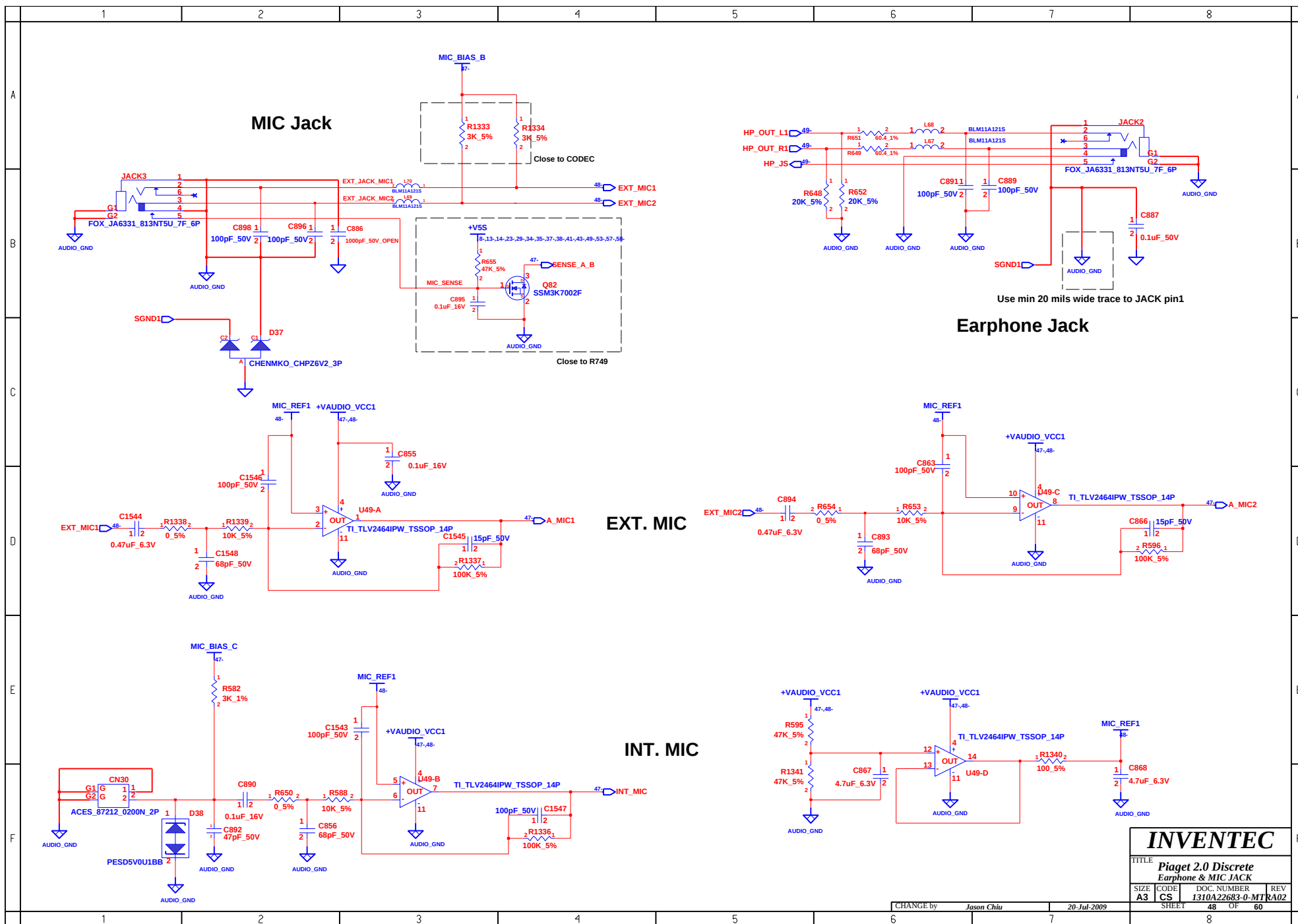
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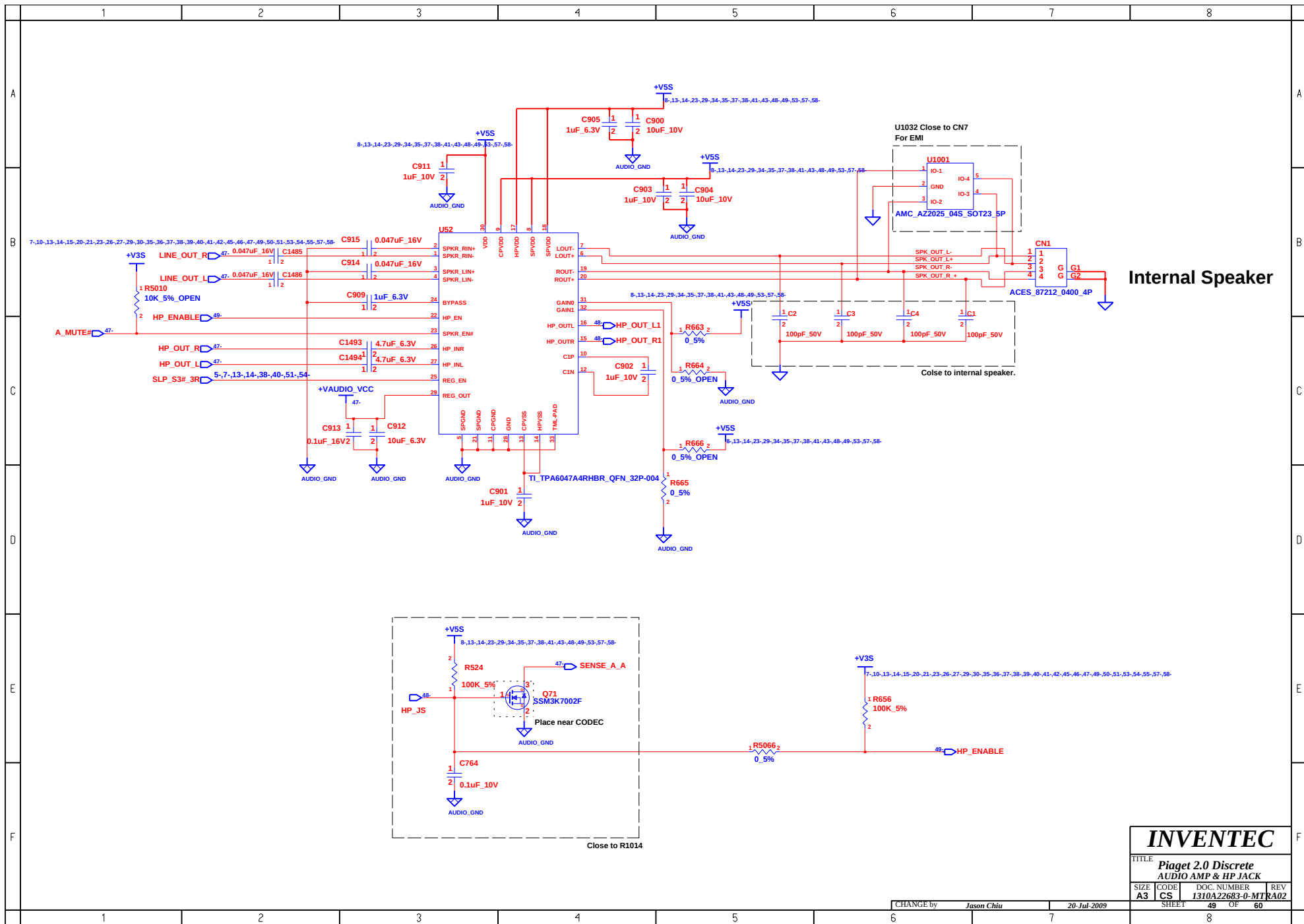
TITLE
Piaget 2.0 Discrete
AZALIA CODEC

SIZE A3	CODE CS	DOC. NUMBER I310A22683-0-MTR	REV A02
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CHANGE by Jason Chiu 20-Jul-2009

SHEET 47 OF 60





Internal Speaker

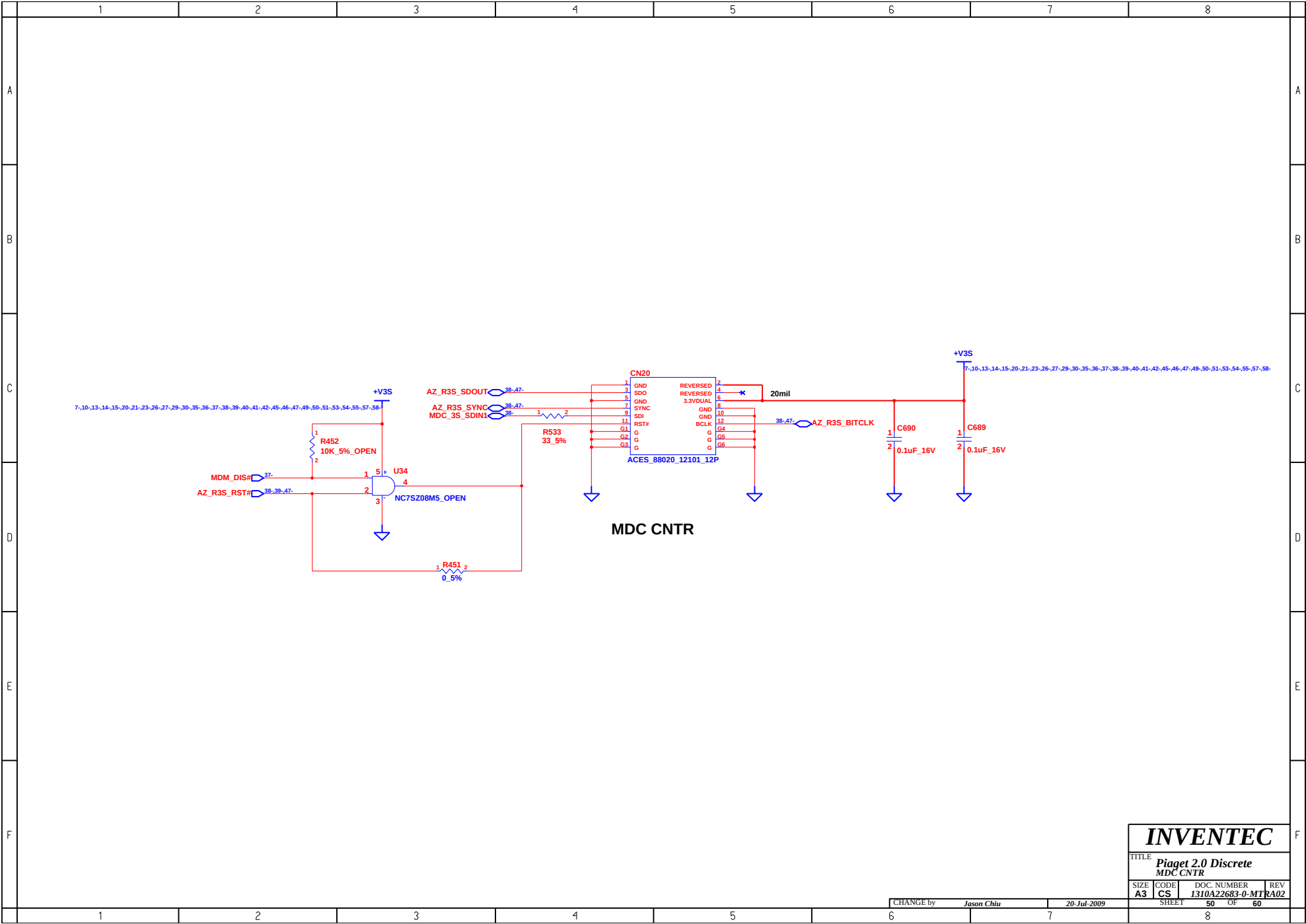
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TITLE
**Piaget 2.0 Discrete
AUDIO AMP & HP JACK**

SIZE A3	CODE CS	DOC. NUMBER I310AZ2683-0-MT	REV RA02
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CHANGE by *Jason Chiu* 20-Jul-2009

SHEET 49 OF 60



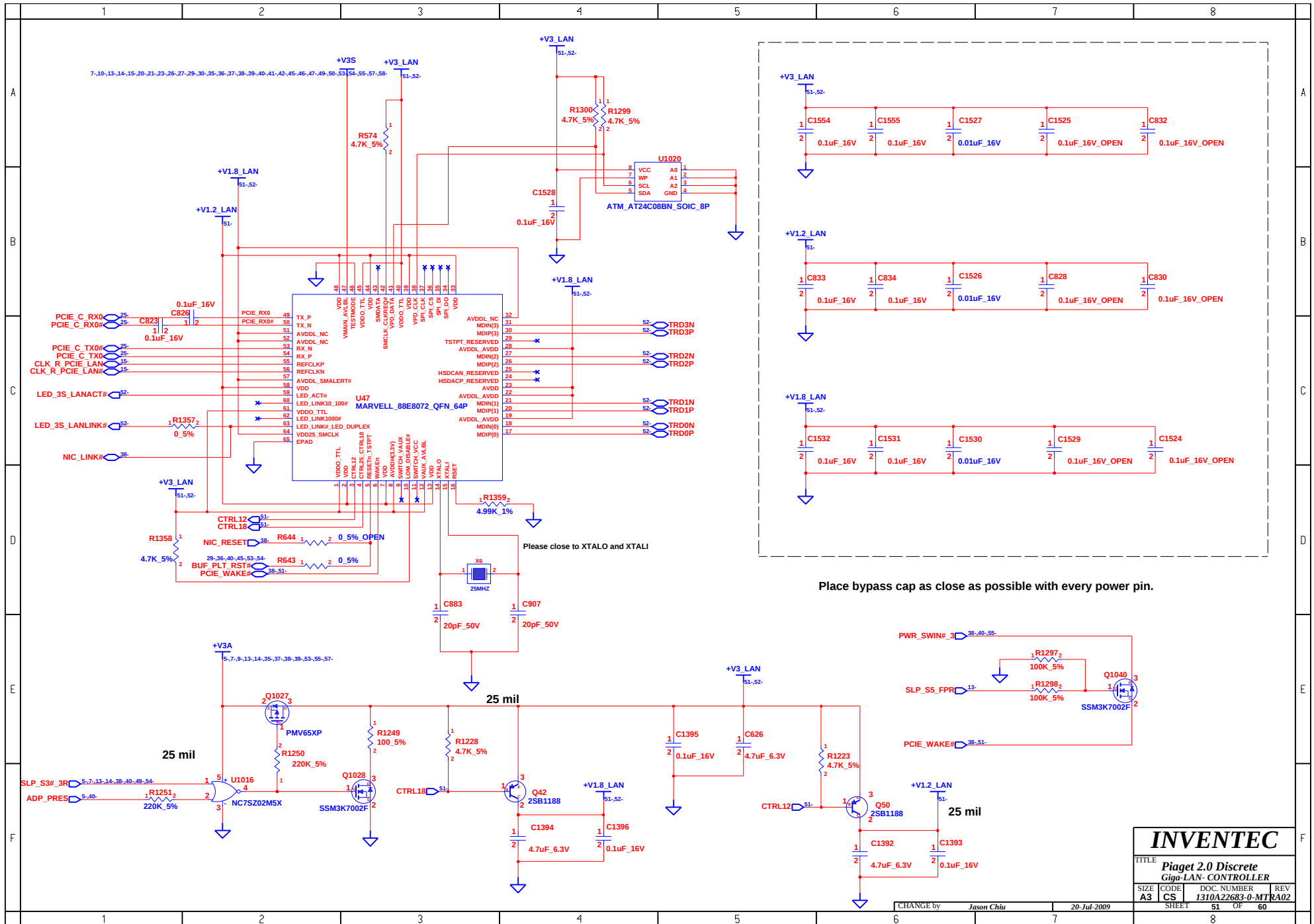
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TITLE
Piaget 2.0 Discrete
MDC CNTR

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

CHANGE by *Jason Chiu* 20-Jul-2009

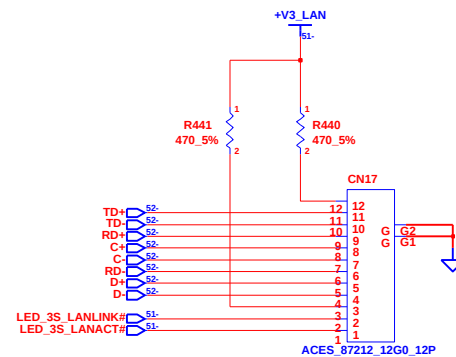
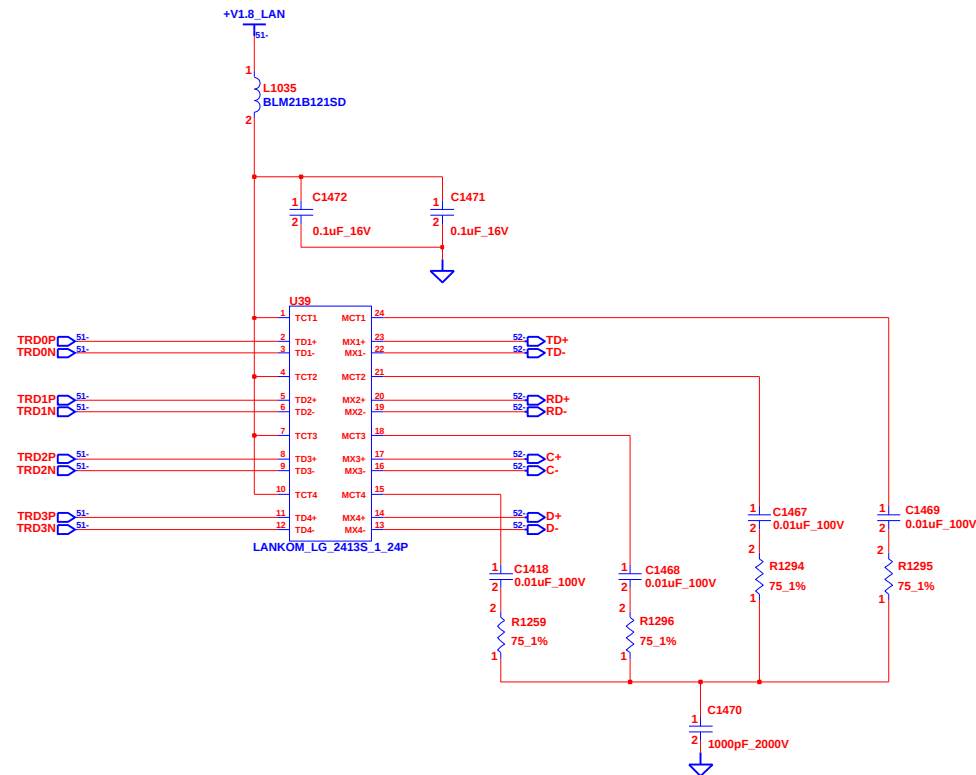
SHEET 50 OF 60



INVENTEC

TITLE		
Piaget 2.0 Discrete		
Giga-LAN-CONTROLLER		
SIZE	CODE	DOC. NUMBER
A3	CS	I310AZ2683-0-MT
REV		RA02
SHEET		51 OF 60

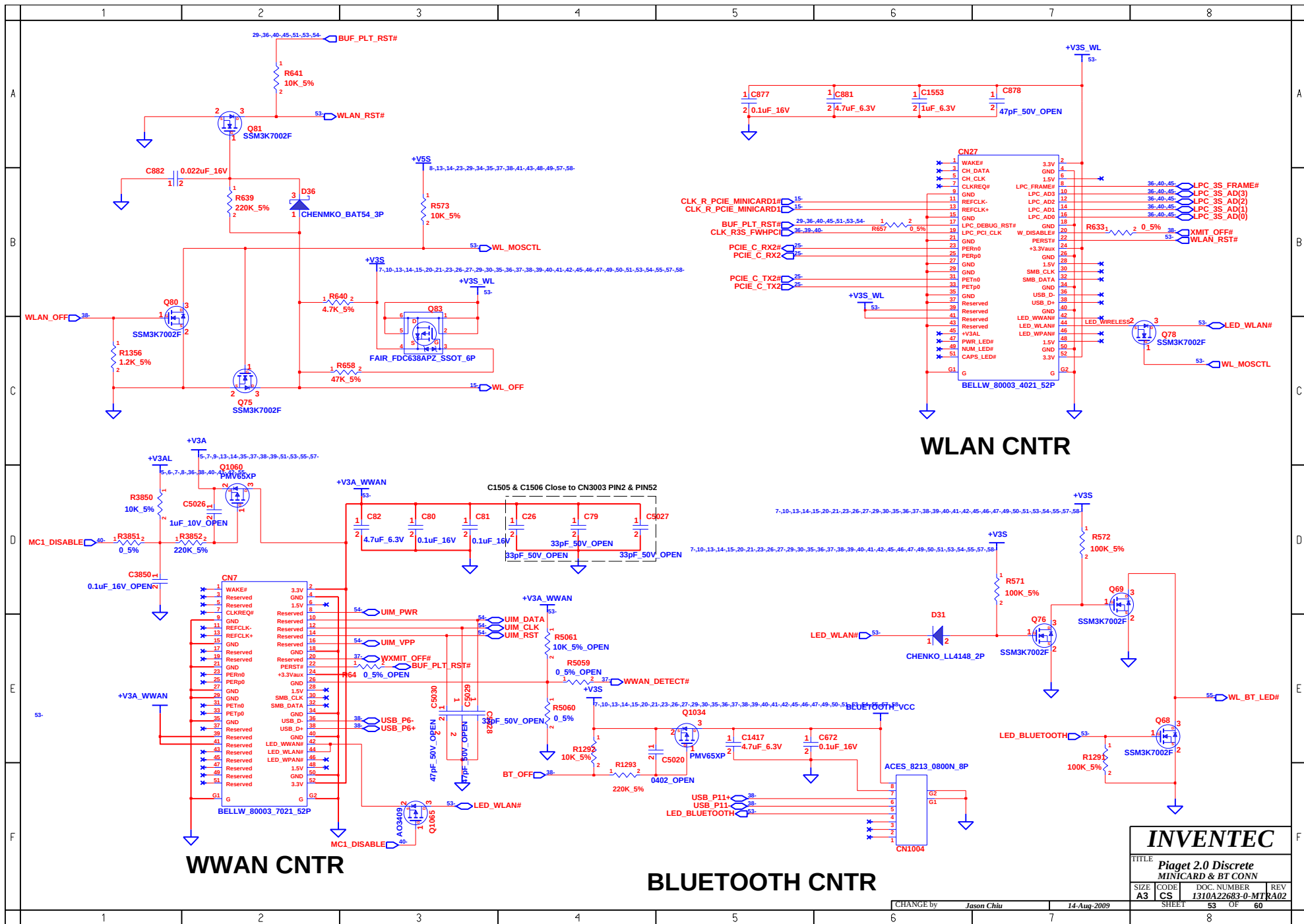
CHANGE by Jason Chiu 20-Jul-2009



INVENTEC

TITLE			
Piaget 2.0 Discrete			
NIC 10/100/1000-RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22683-0-MT	RA02
SHEET		52	OF 60

CHANGE by Jason Chiu 20-Jul-2009

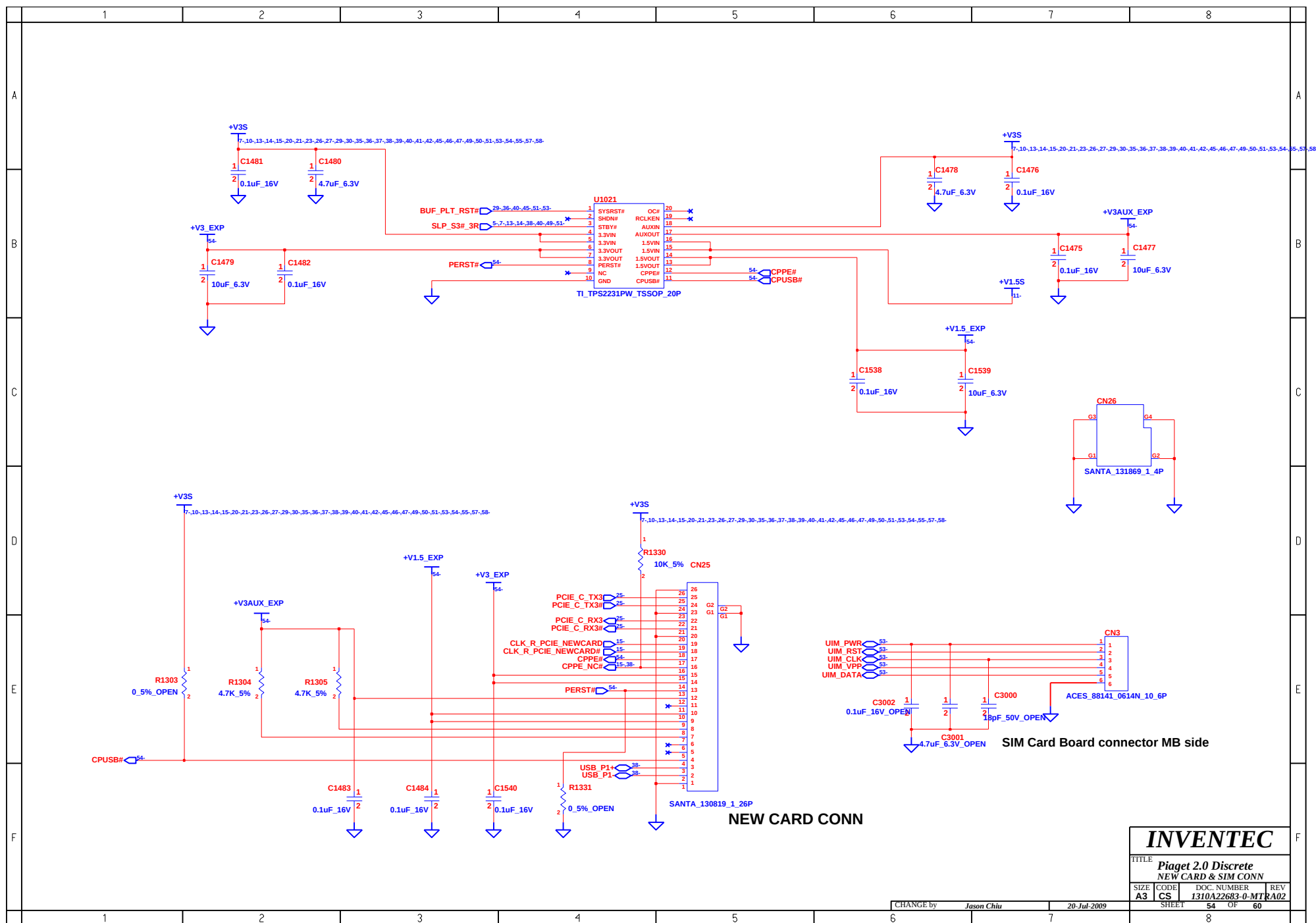


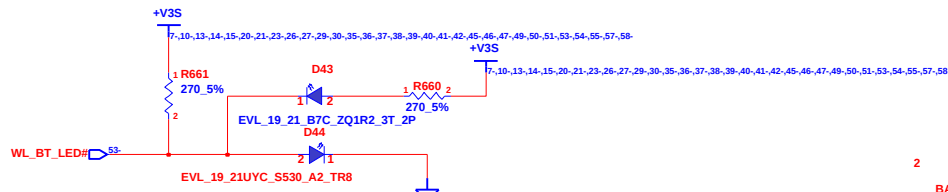
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TITLE
**Piaget 2.0 Discrete
MINICARD & BT CONN**

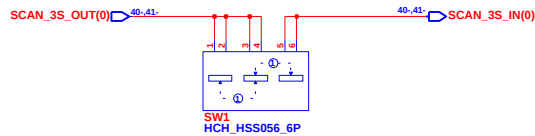
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SHEET 53		OF 60	

CHANGE by **Jason Chiu** 14-Aug-2009

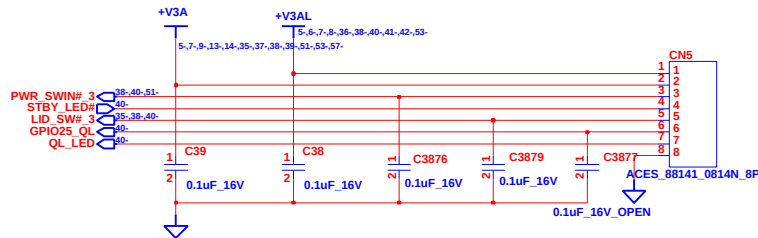




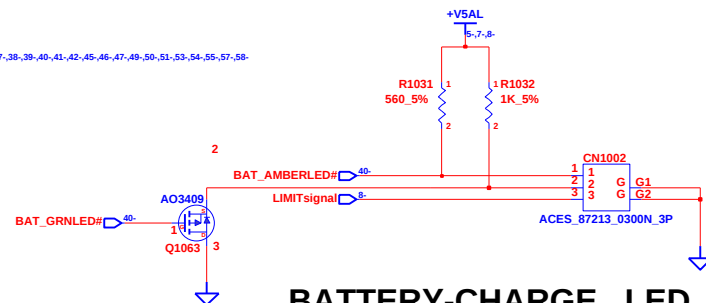
WIRELESS LED



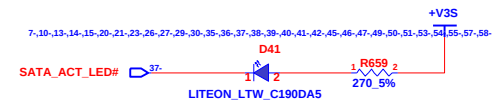
WIRELESS BUTTON



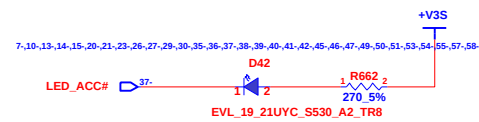
Swth Board & LED Board CONN



BATTERY-CHARGE LED



HDD & ODD LED

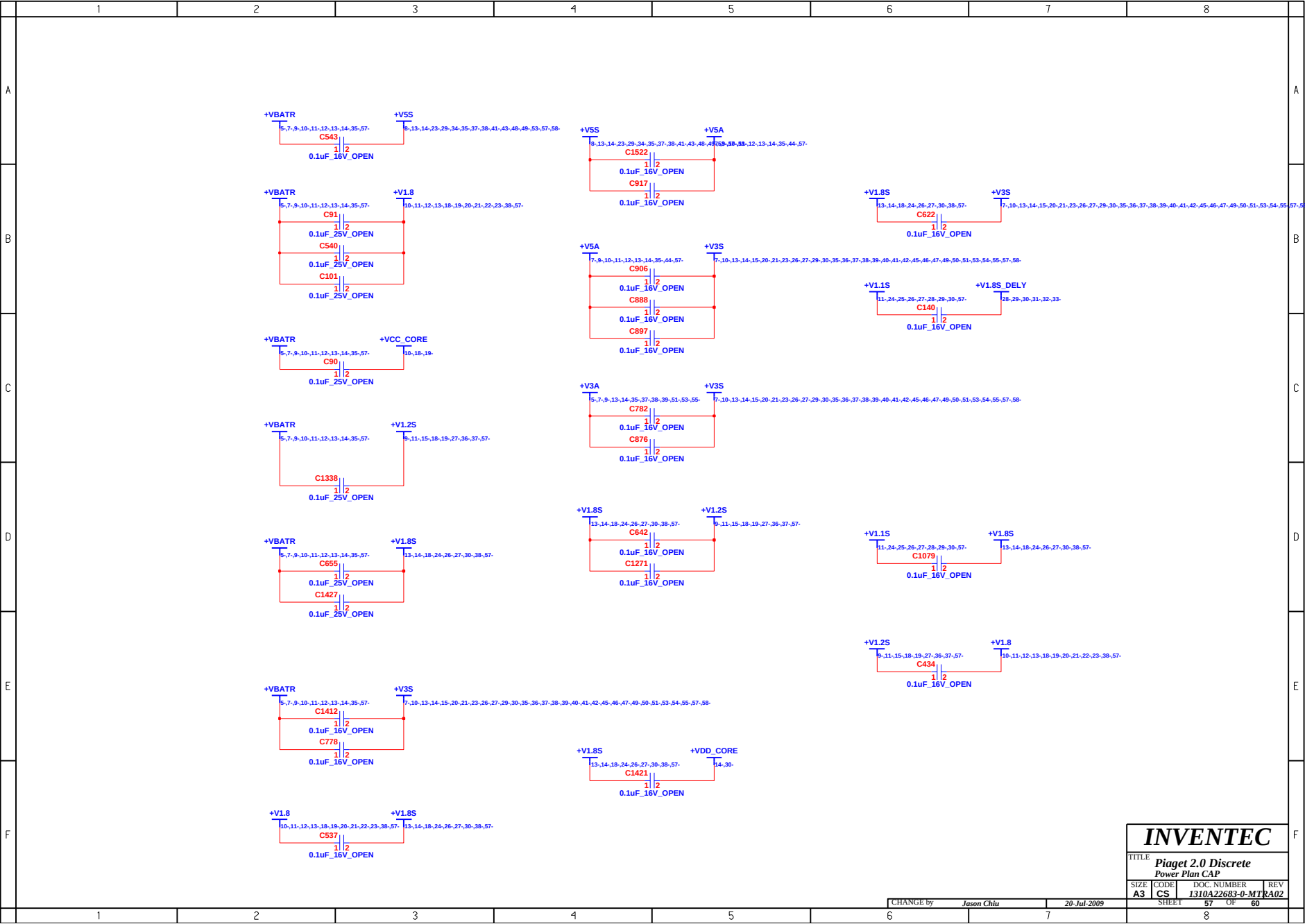


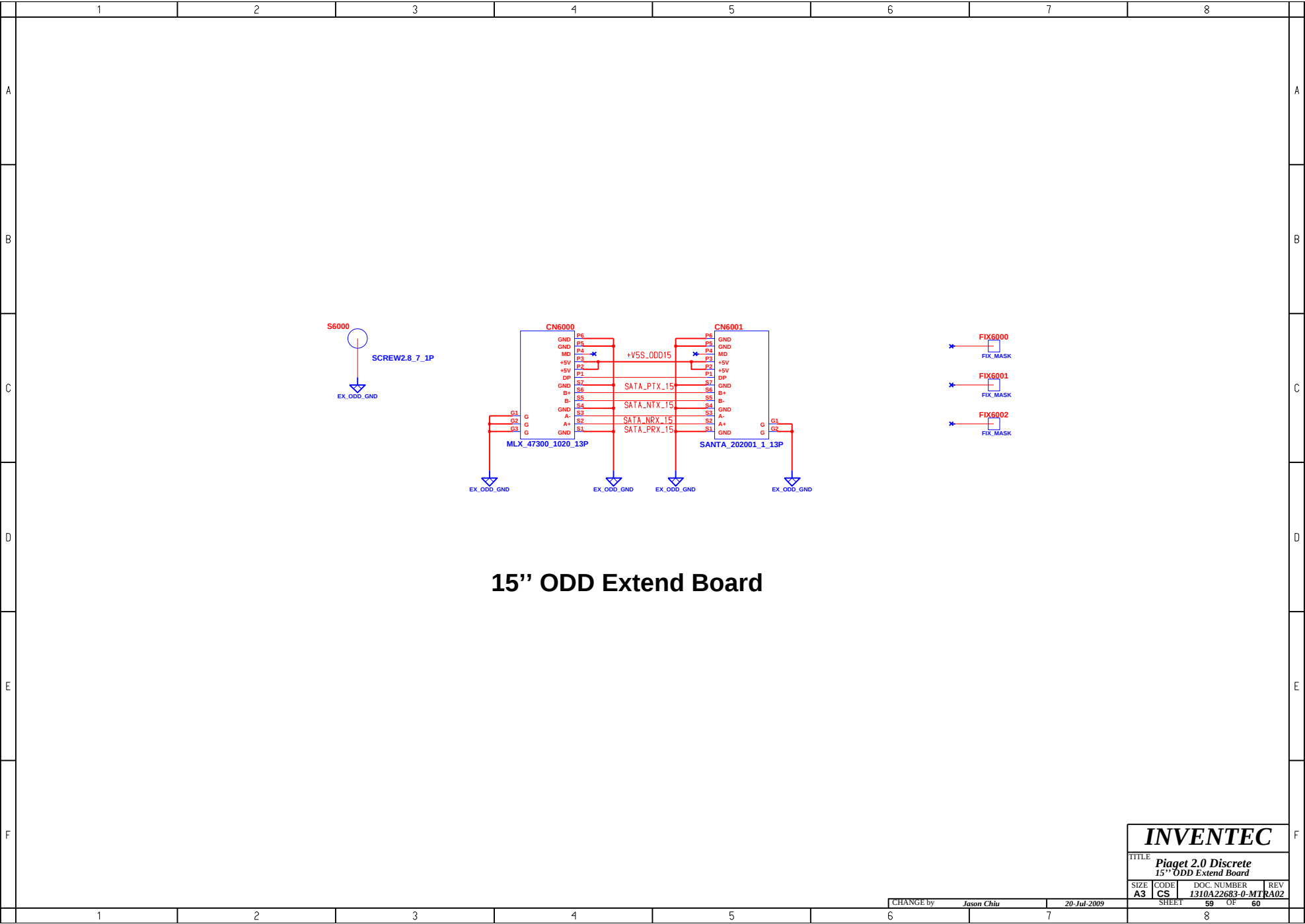
ACCELEROMTER LED

INVENTEC			
TITLE			
Piaget 2.0 Discrete			
W/B & SW/B & LED/B CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22683-0-MT	RA02
CHANGE by		20-Jul-2009	
SHEET		55	OF 60



INVENTEC			
TITLE			
Piaget 2.0 Discrete			
SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22683-0-MT	RA02
CHANGE by		20-Jul-2009	
SHEET		56	OF 60





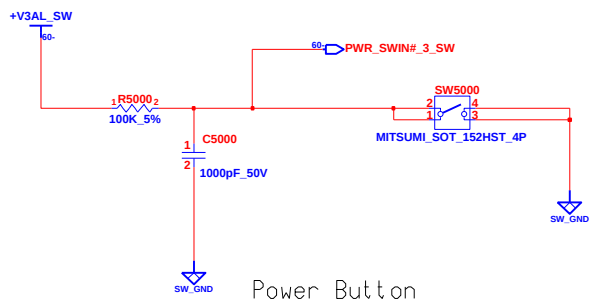
INVENTEC

TITLE
**Piaget 2.0 Discrete
15" ODD Extend Board**

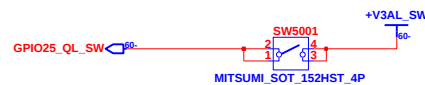
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CHANGE by *Jason Chiu* 20-Jul-2009

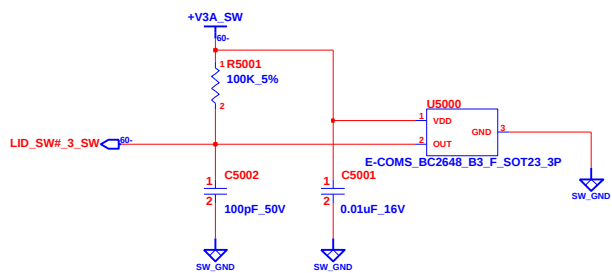
SHEET 59 OF 60



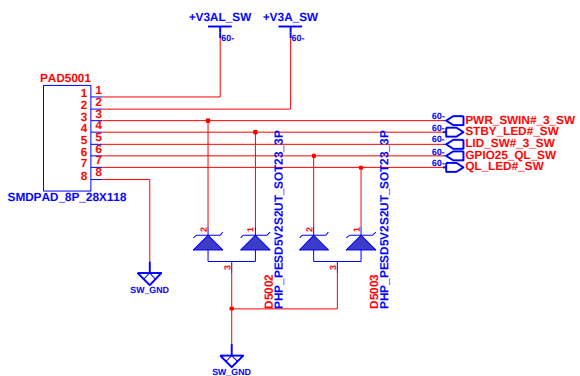
Power Button



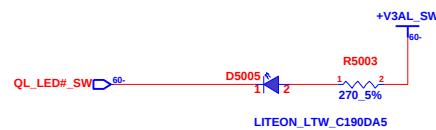
Switch & LED Board



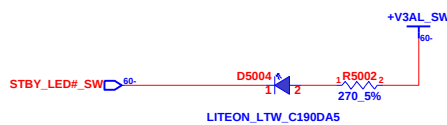
LID Switch



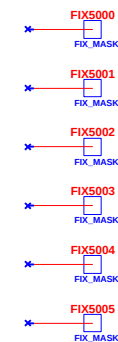
Switch & LED Board



Quick Look LED



Power/Standby LED



INVENTEC			
TITLE Piaget 2.0 Discrete 15" ODD Extend Board			
SIZE A3	CODE CS	DOC. NUMBER 1310A22683-0-MTR	REV A02
CHANGE by Jason Chiu		20-Jul-2009	
SHEET 60		OF 60	