

2008.06.11

DRAWER		EE	DATE	POWER	DATE	<div style="text-align: center;"> <h1>INVENTEC</h1> <h2>Zygo/Zodiac</h2> </div>
DESIGN						
CHECK						
RESPONSIBLE						
SIZE		3		VER :		SIZE: A3 CODE: CS DOC. NUMBER: 1310A21610-0-MTR REV: A01 SHEET 1 OF 50
FILE NAME : XXXX.XXXXXXXX-XX P/N : XXXXXXXXXXXXXXXX						

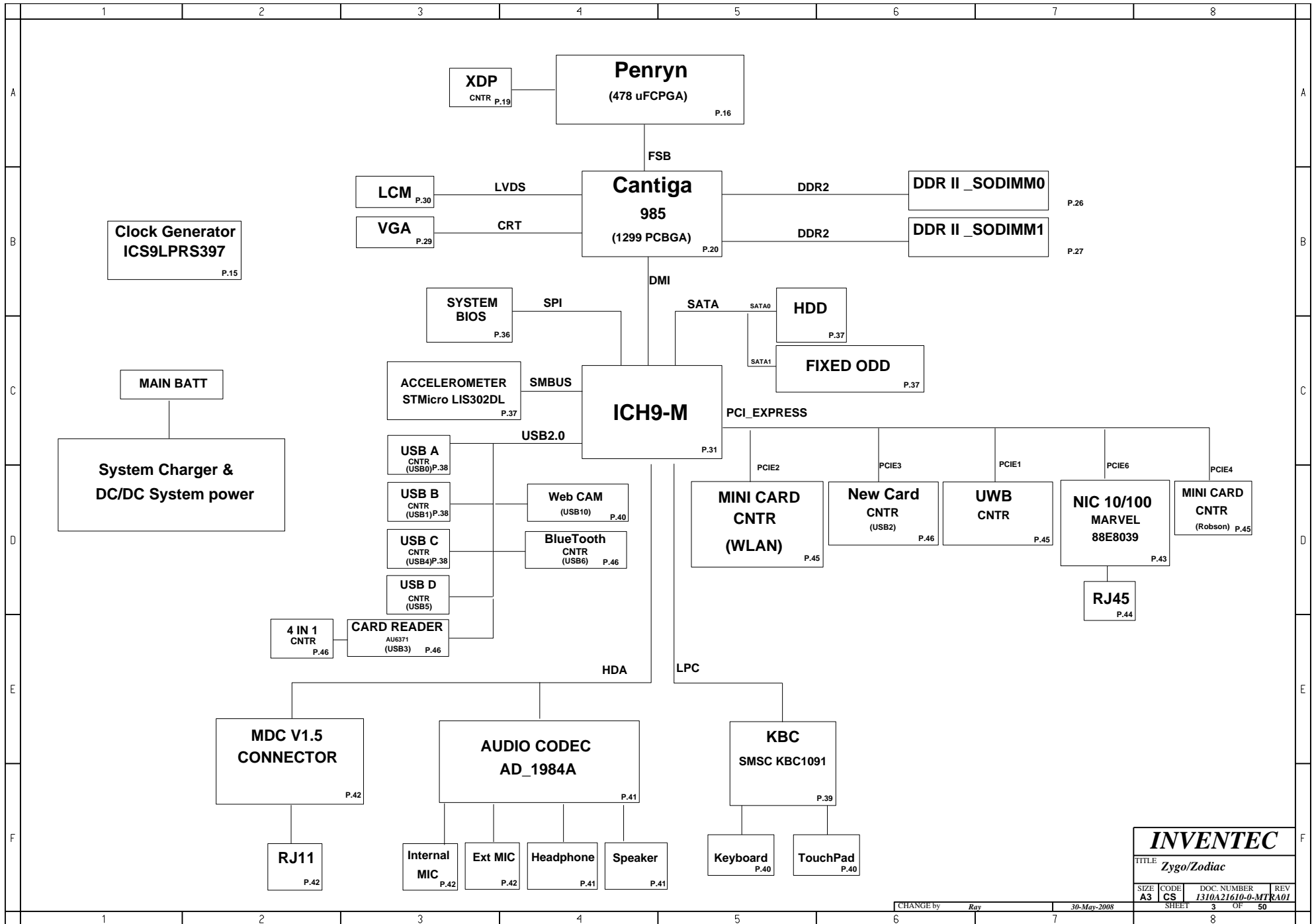
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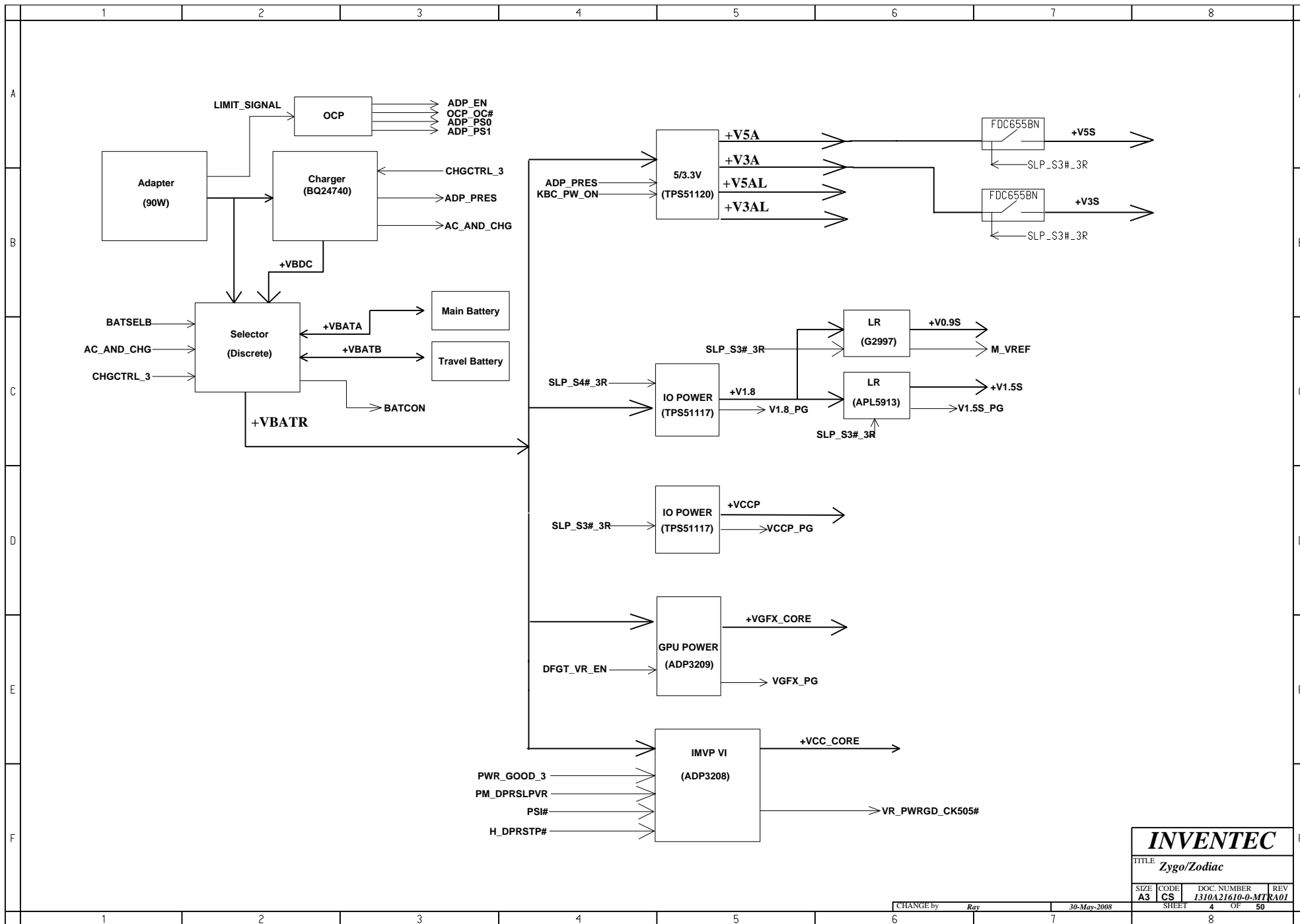
- 5- DC& BATTERY CHARGER
- 6- SELECT & BATTERY CONN
- 7- SYSTEM POWER(3V/5V)
- 8- SYSTEM POWER(+V1.8/+V1.25S)
- 9- SYSTEM POWER(+VGFX/+VCCP)
- 10- SYSTEM POWER(+V1.5S)
- 11- CPU POWER(VCC_CORE)
- 12- DDR TERMINATION VOLTAGE
- 13- POWER(SLEEP)
- 14- POWER(SEQUENCE)

15- CLOCK_GENERATOR
16- PENRYN-1
17- PENRYN-2
18- PENRYN-3
19- THERMAL&FAN CONTROLLER
20- CANTIGA-1
21- CANTIGA-2
22- CANTIGA-3
23- CANTIGA-4
24- CANTIGA-5
25- CANTIGA-6
26- DDR2-DIMM0
27- DDR2-DIMM1
28- DDR2-DAMPING
29- VGA CNTR
30- LCM CNTR
31- ICH9-1
32- ICH9-2
33- ICH9-3
34- ICH9-4
35- ICH9-5

36- SYSTEM BIOS&MDC CNTR
37- HDD&ODD CNTR
38- USB CNTR
39- KBC
40- KB&TP CNTR&WebCAM
41- AUDIO CODEC
42- MDC CNTR & AUDIO JACK
43- NIC 10/100- CONTROLLER
44- NIC 10/100- RJ45 CNTR
45- MINICARD & BT & UWB CNTR
46- NEW CARD & Card Reader
47- LED & BUTTON
48- SCREW HOLE

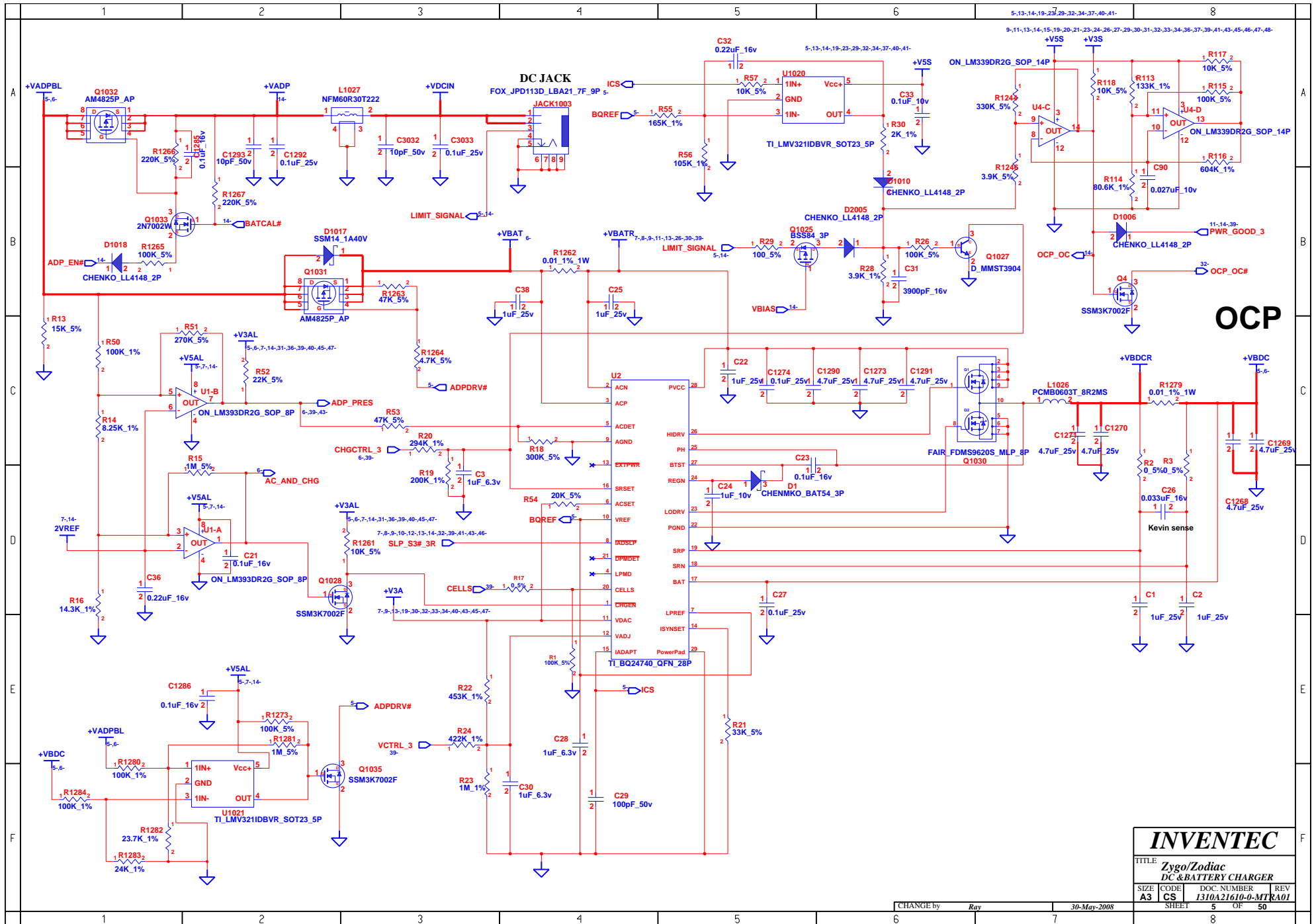
49- SWITCH Board
50- 15"ODD Extend Board

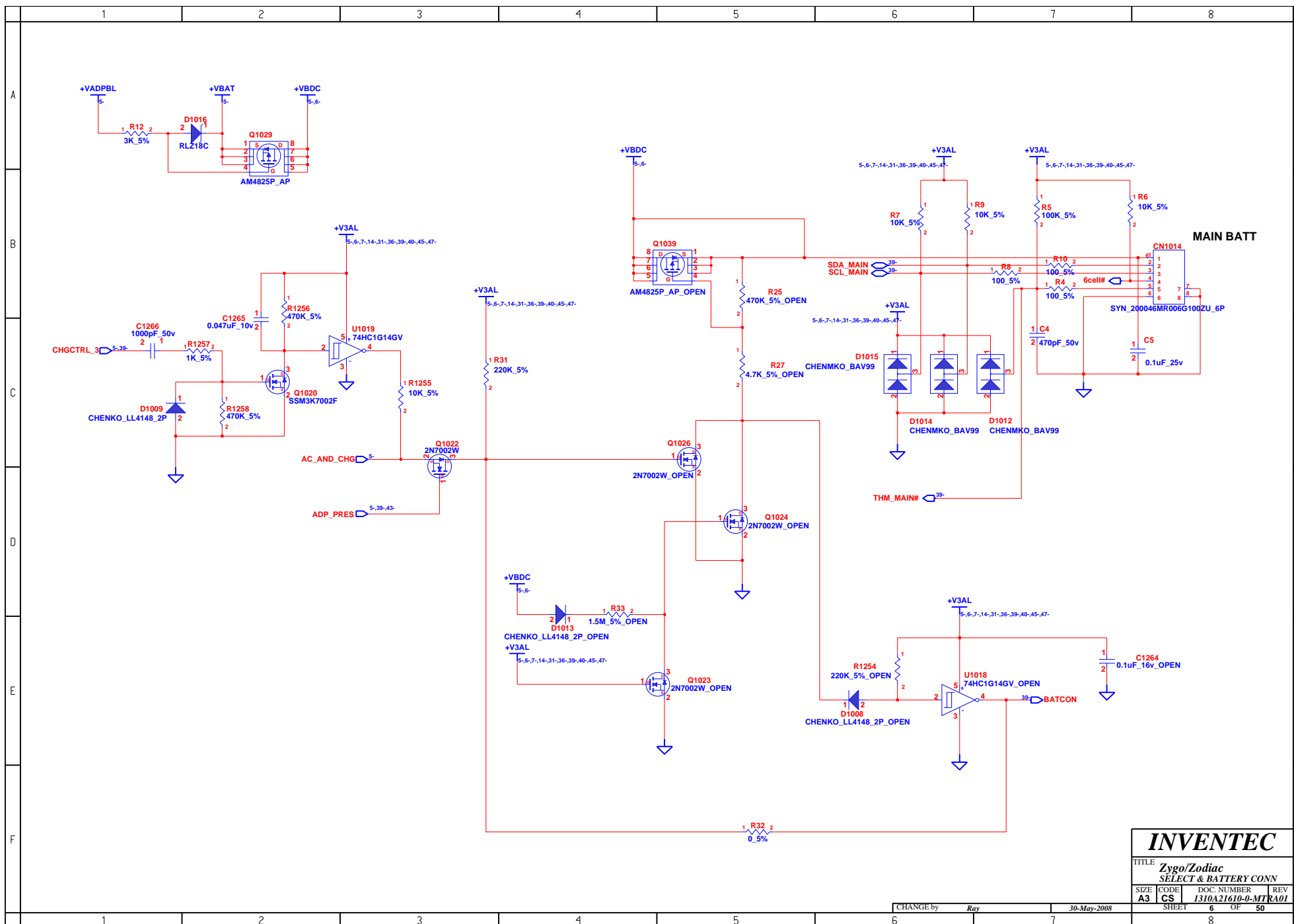


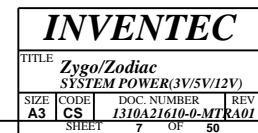


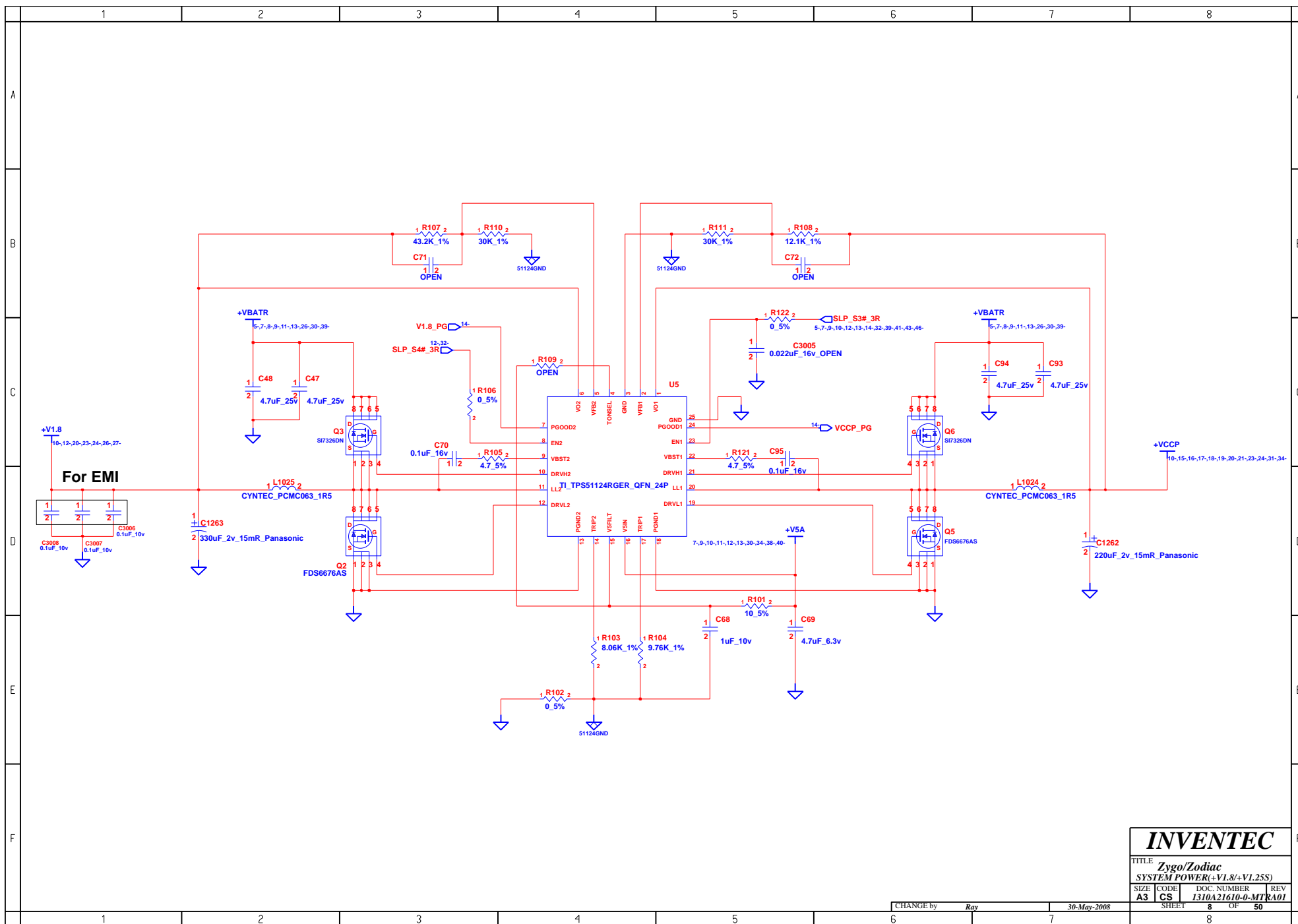
INVENTEC			
TITLE Zygo/Zodiac			
SIZE A3	CODE CS	DOC. NUMBER I310A21610-0-MTR	REV A01
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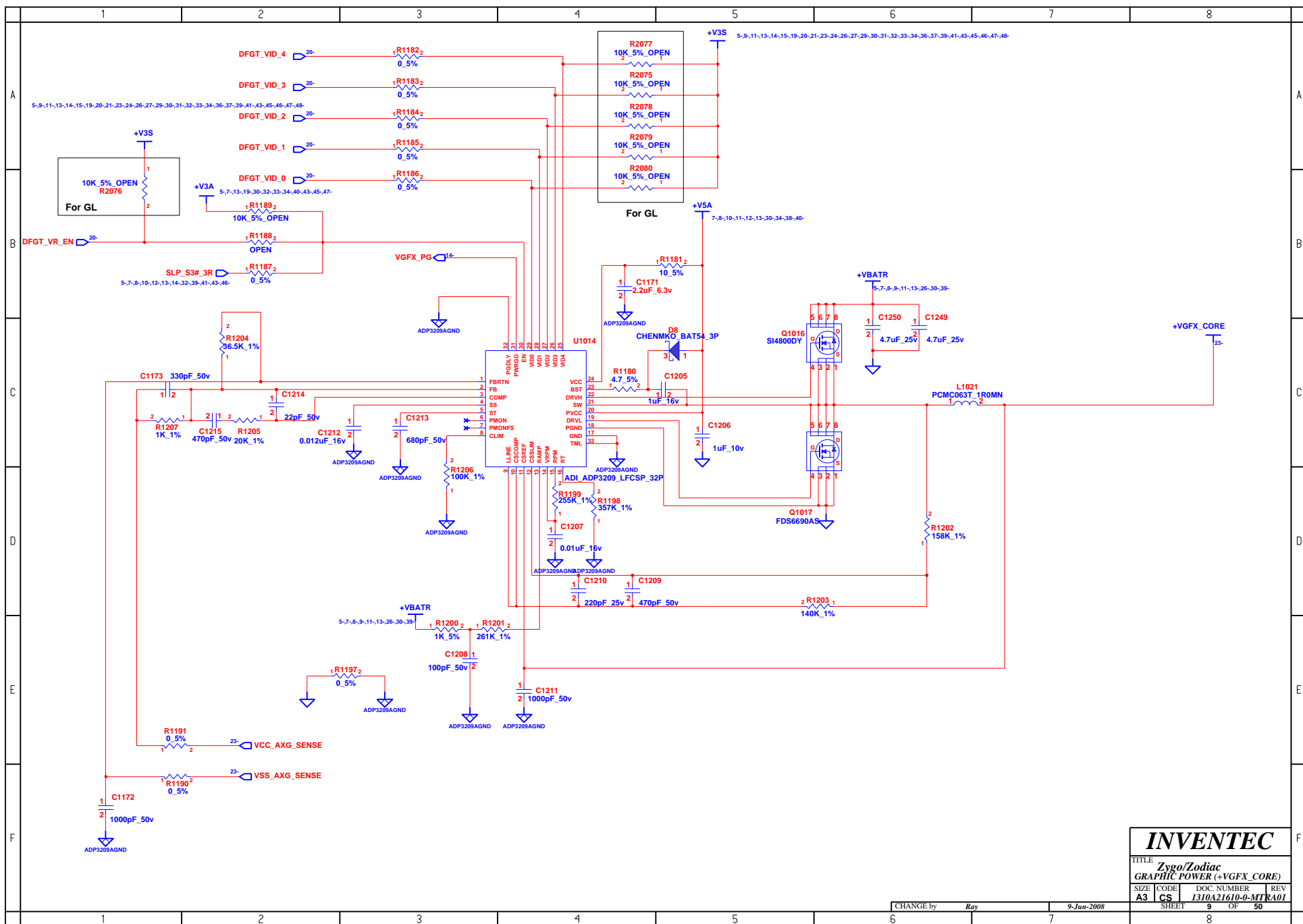
CHANGE by Ray 30-May-2008

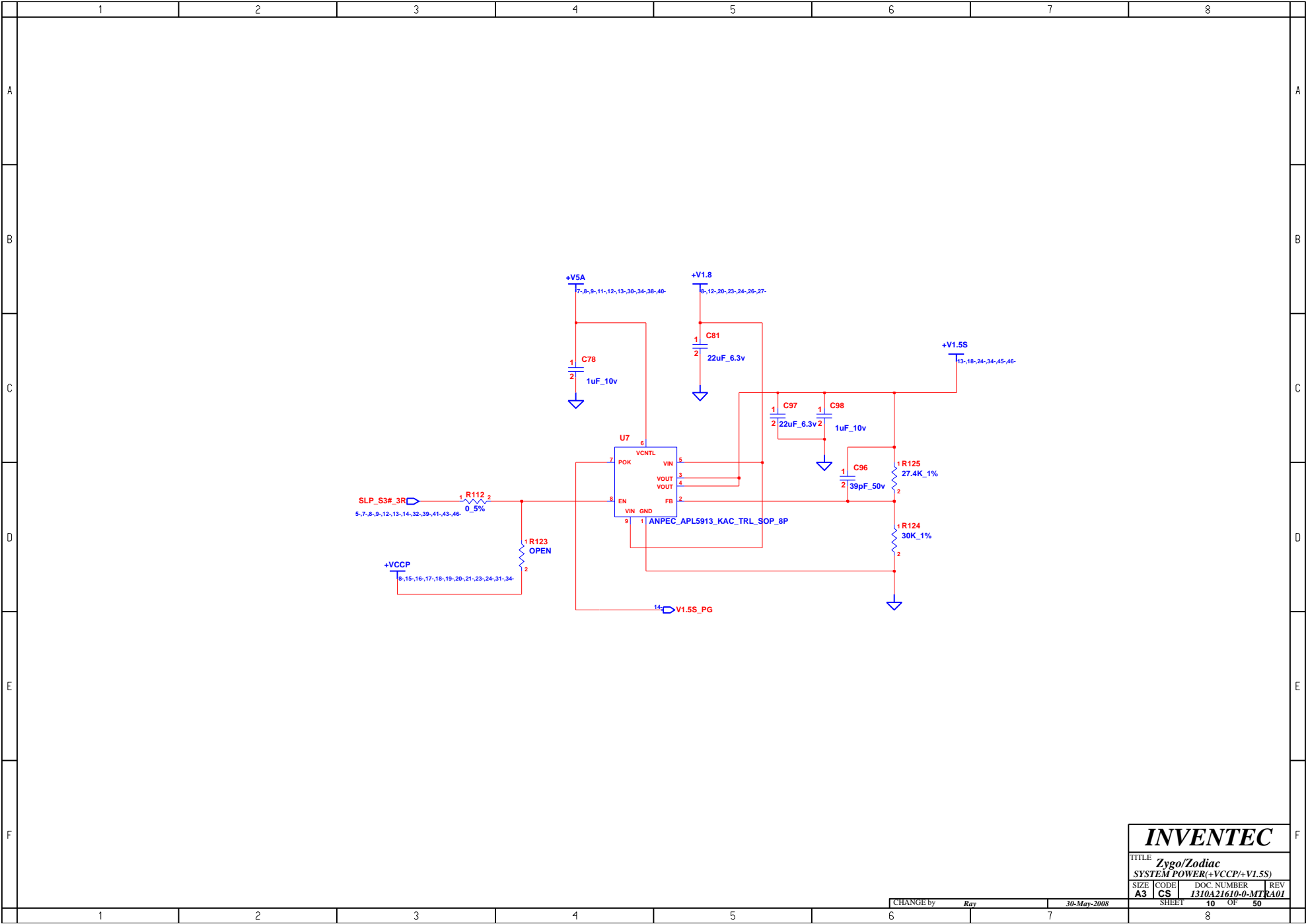












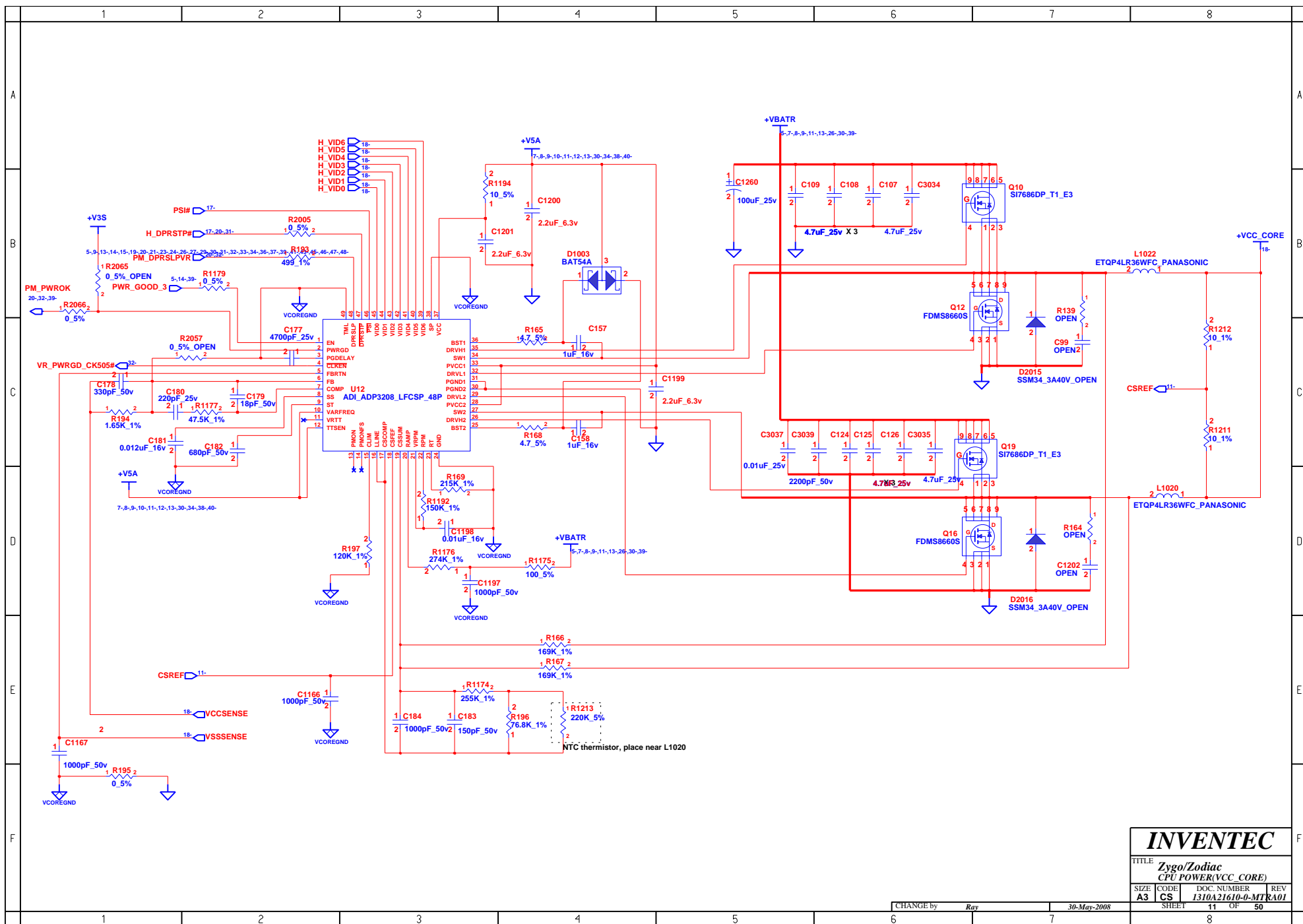
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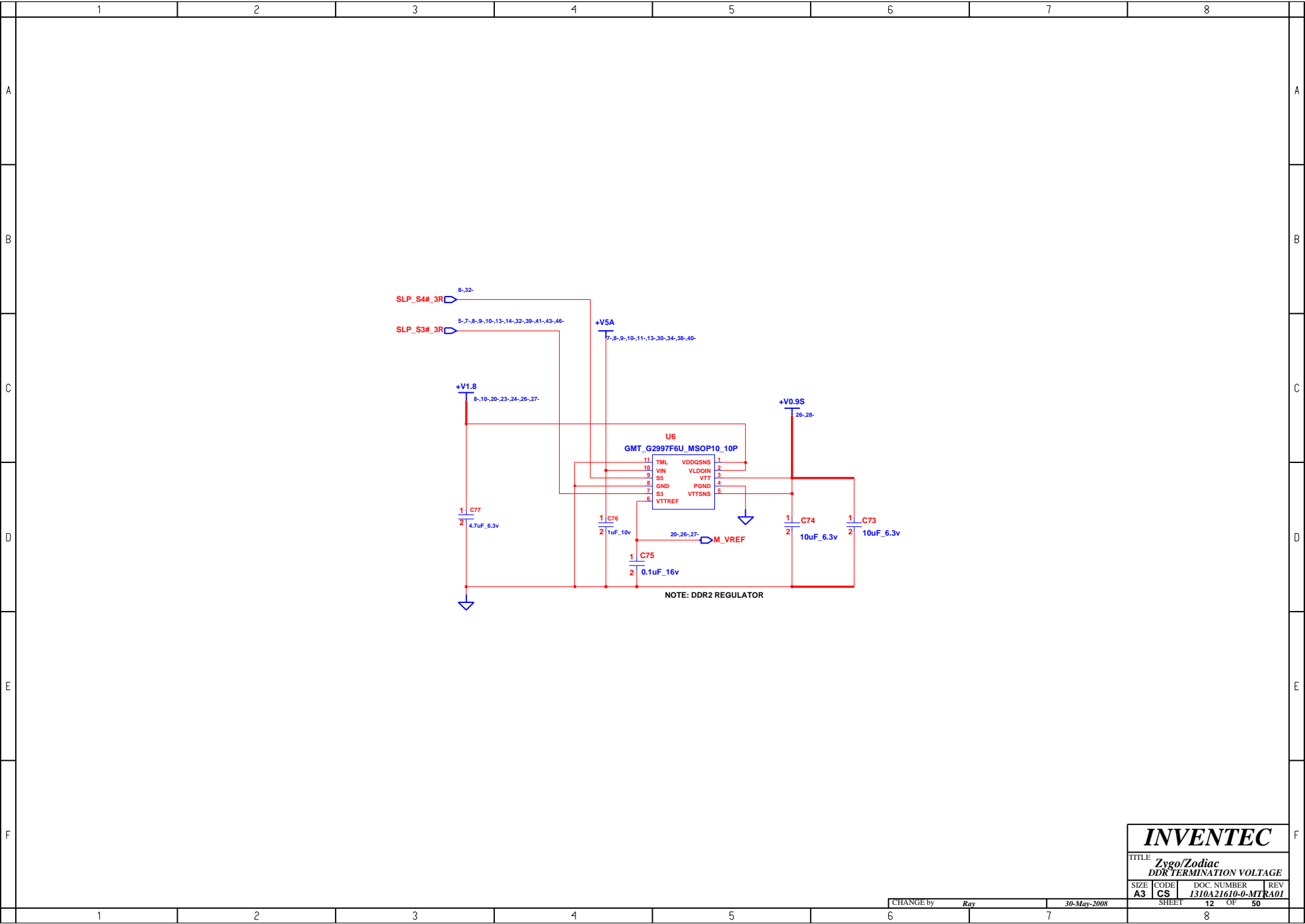
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Zygo/Zodiac
SYSTEM POWER(+VCCP/+V1.5S)

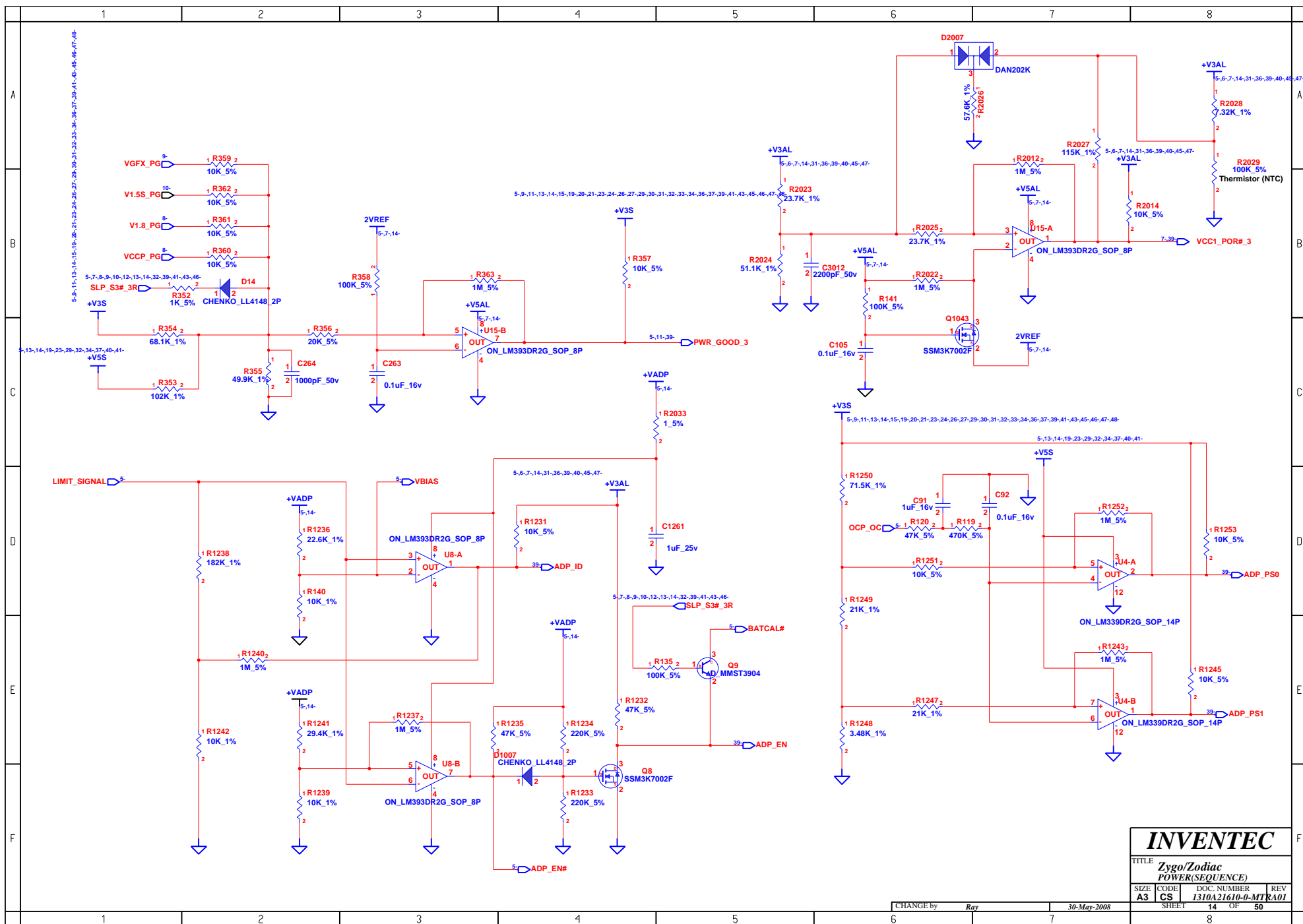
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A3	CS	1310A21610-0-MT	RA01

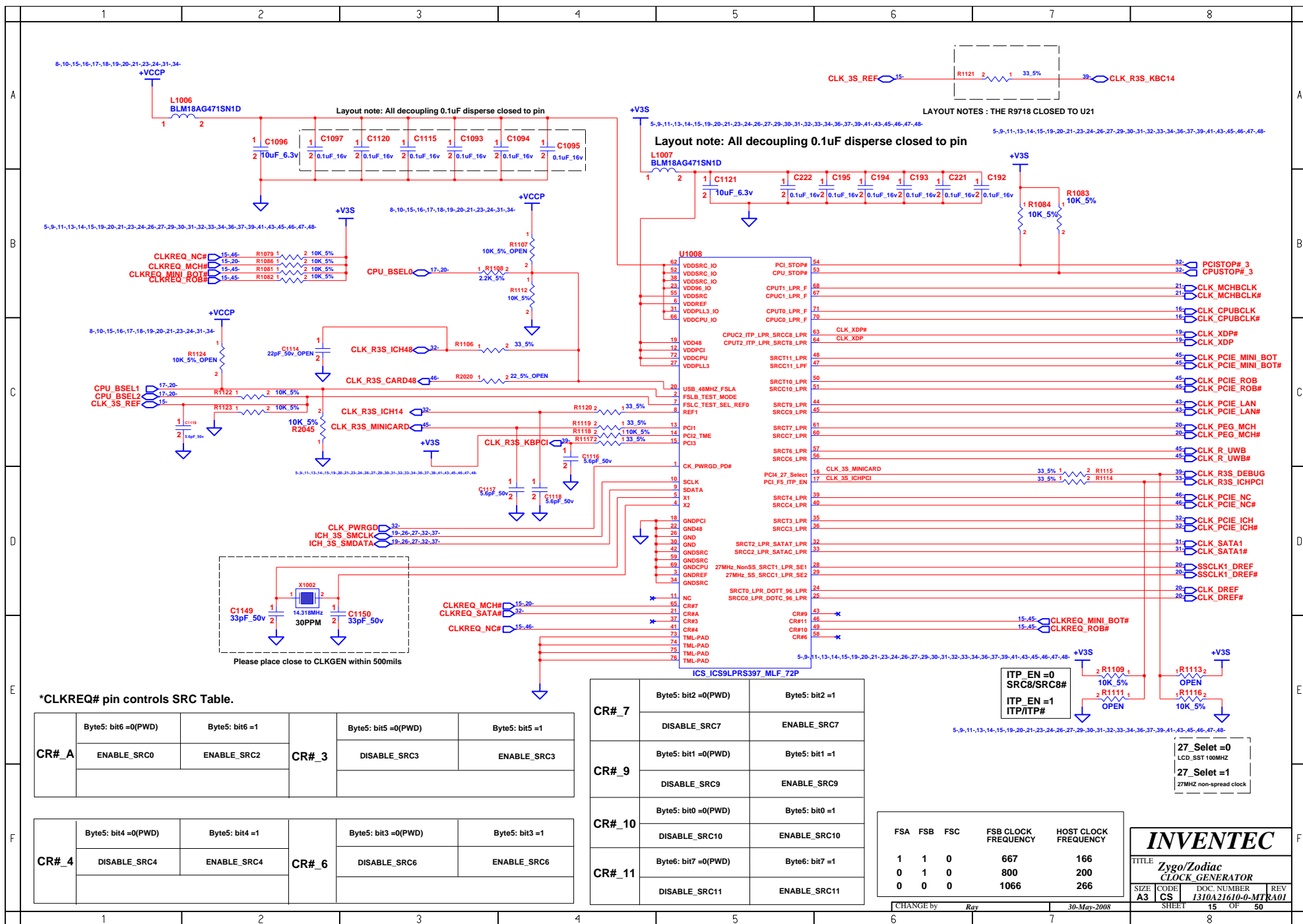
CHANGE by *Ray* 30-May-2008

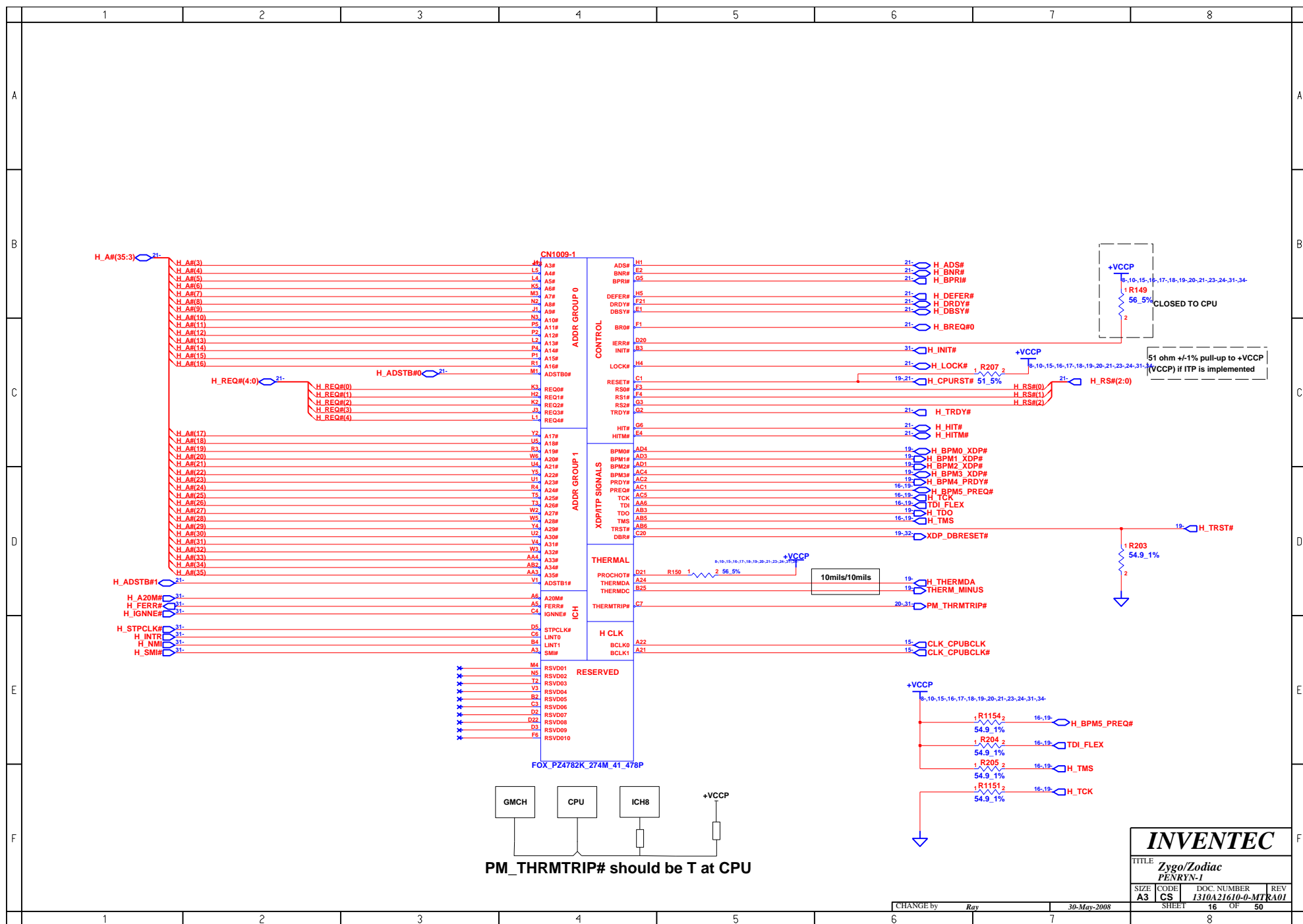
SHEET 10 OF 50

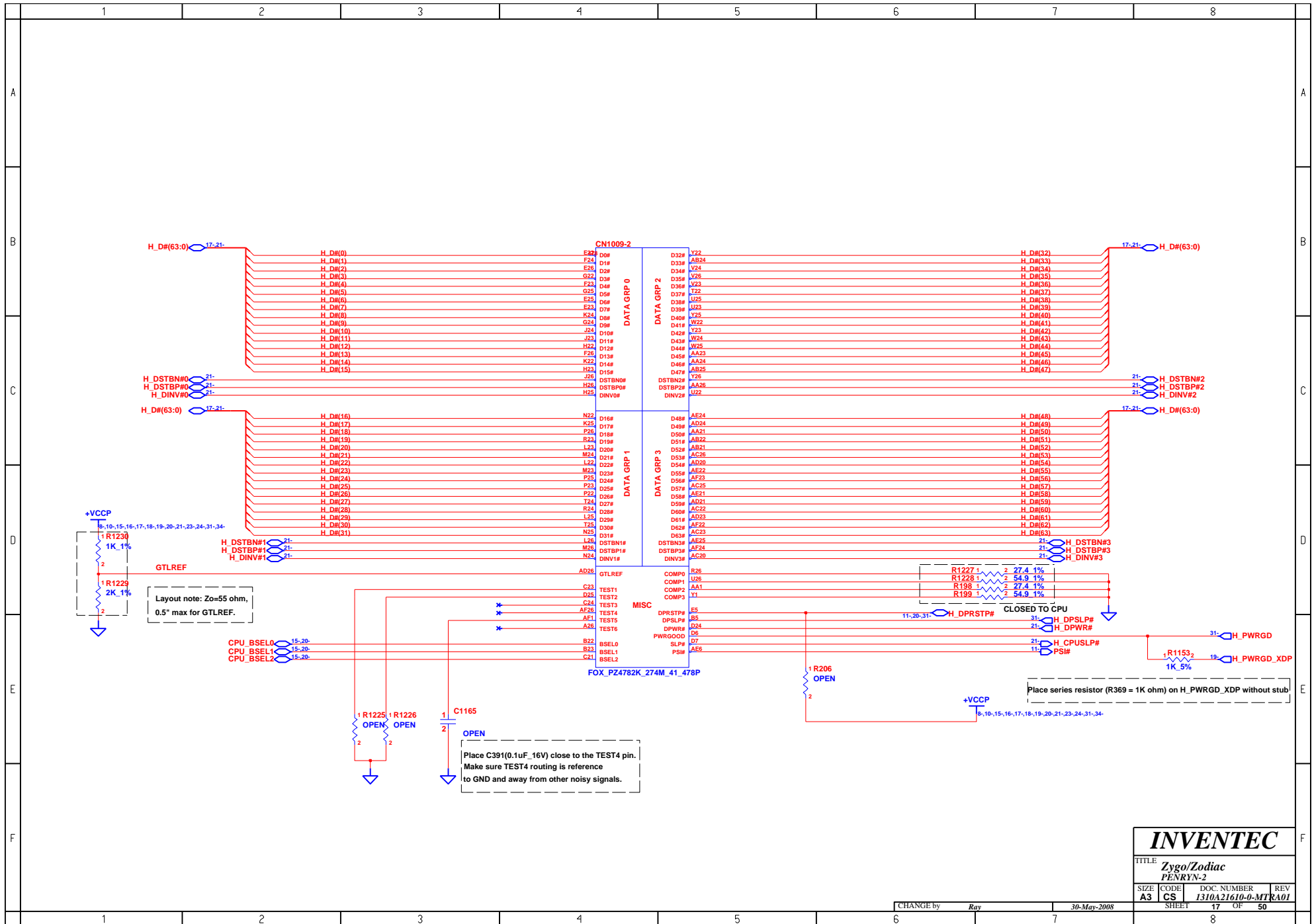








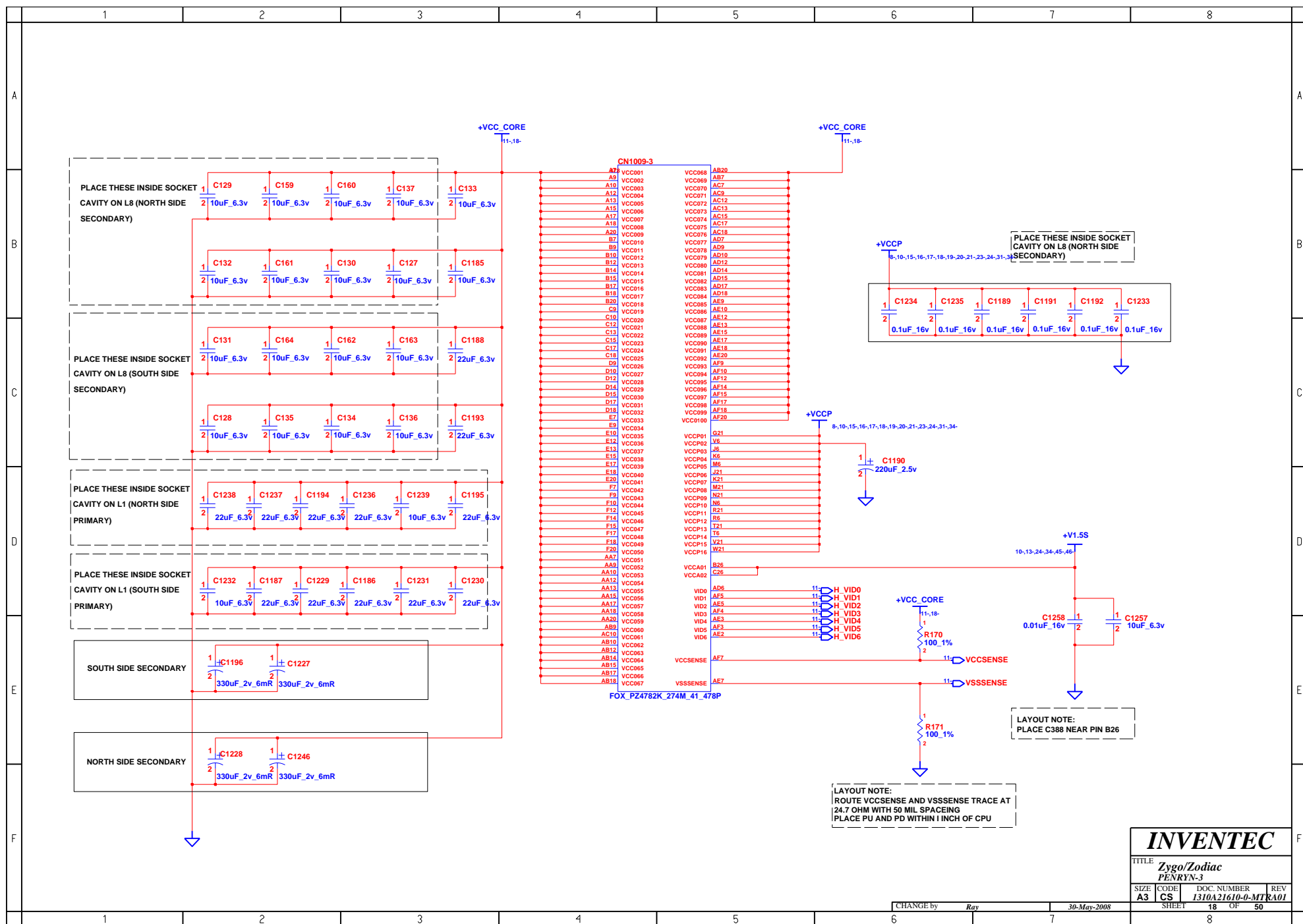


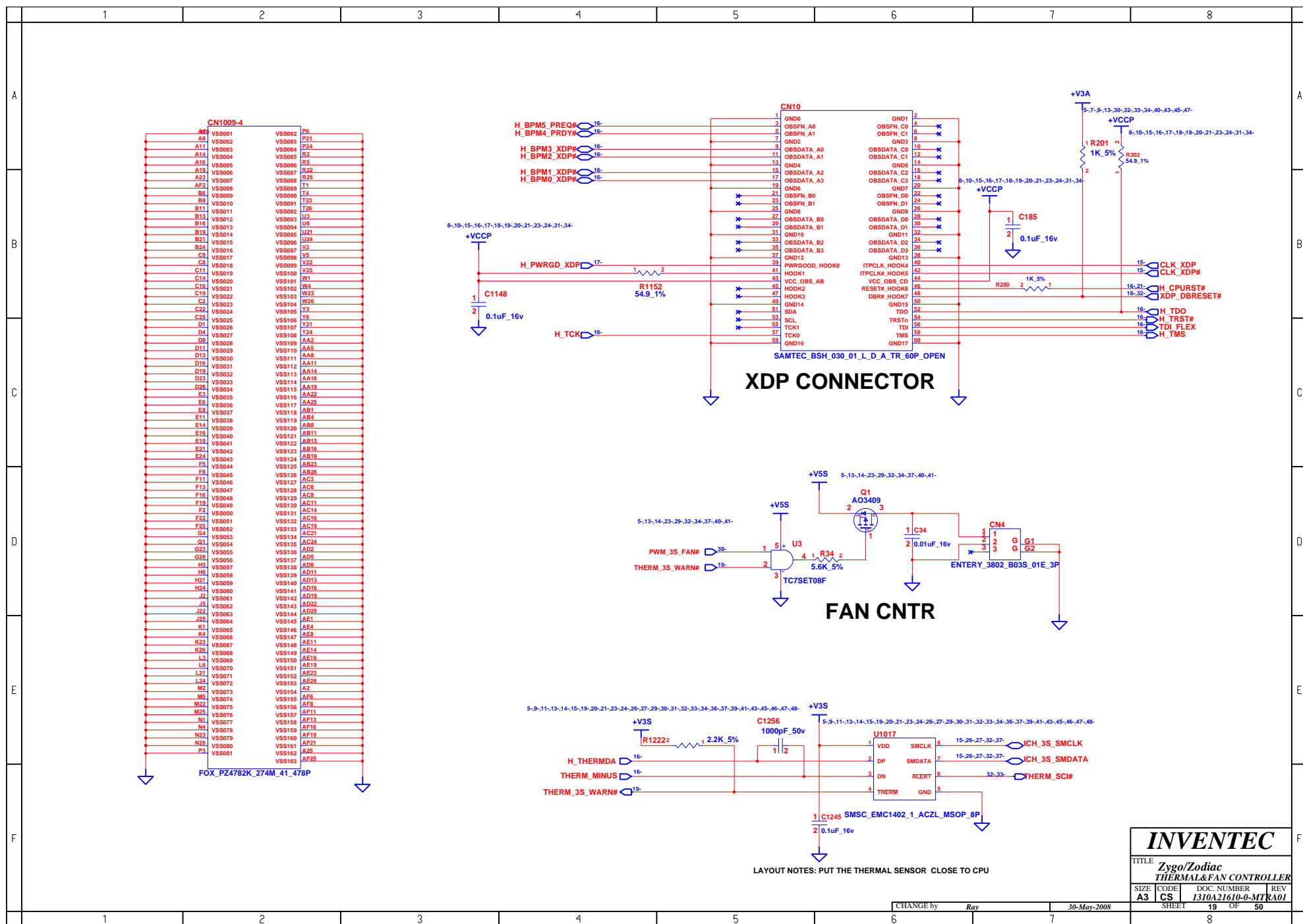


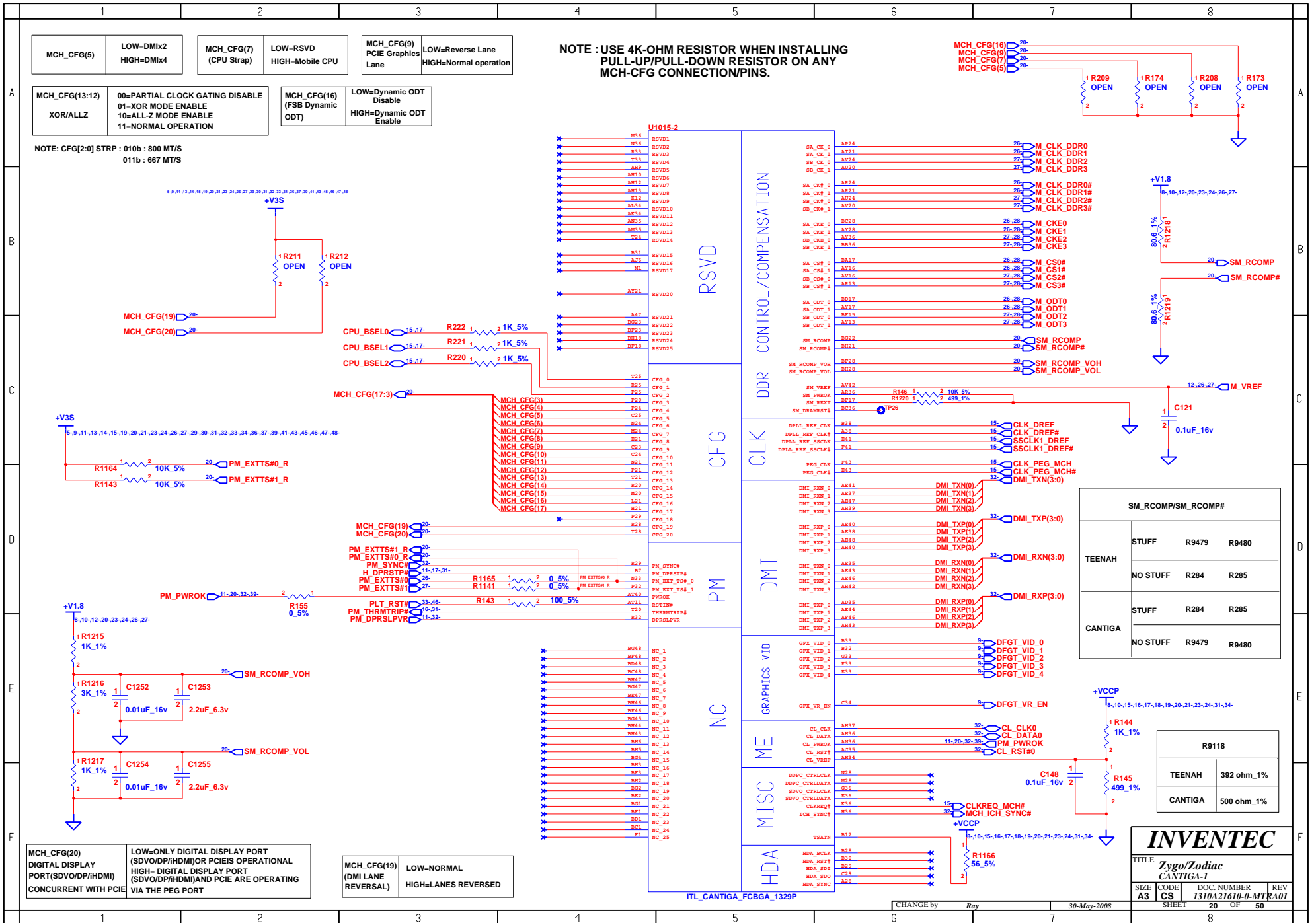
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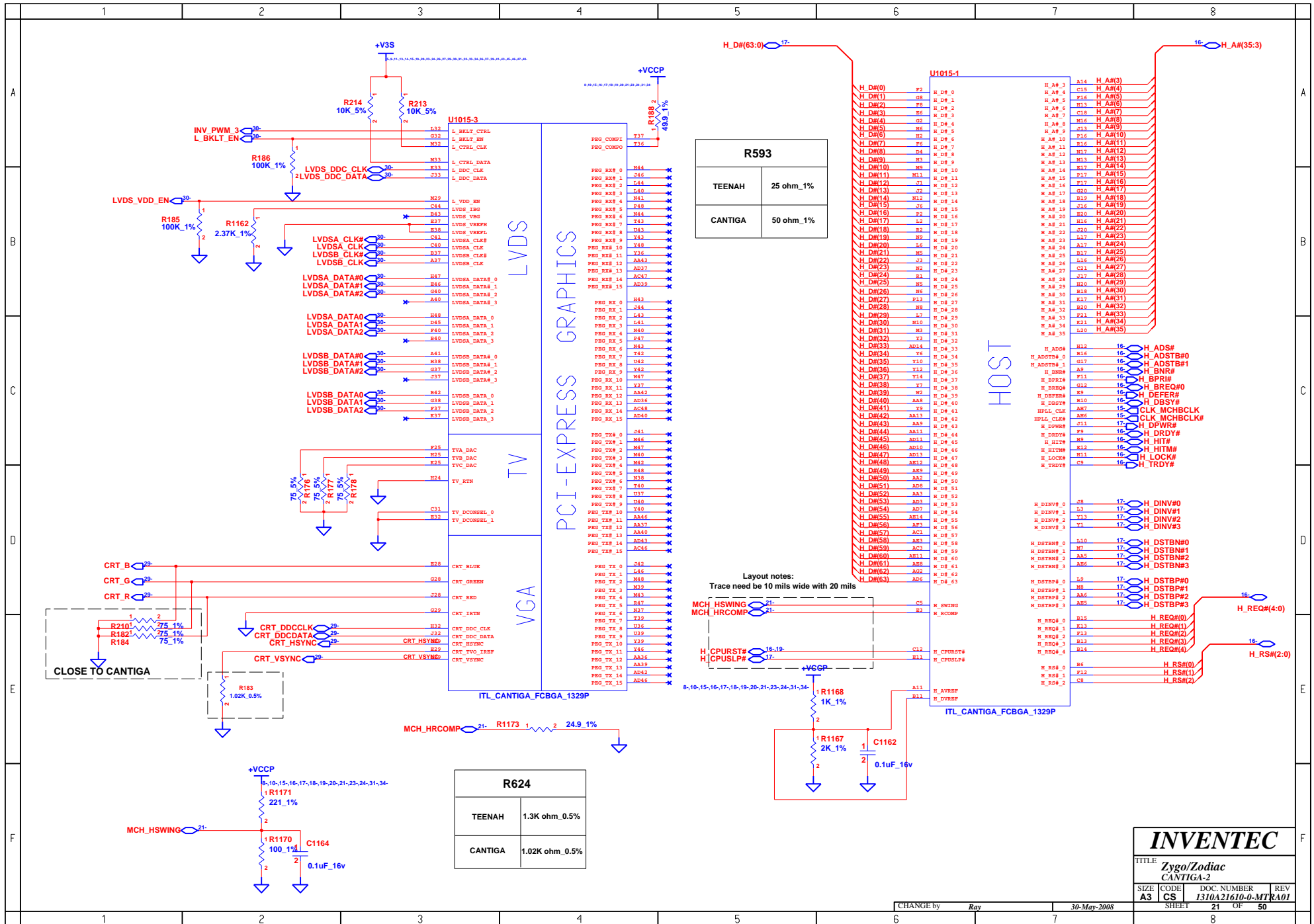
TITLE Zigo/Zodiac PENRYN-2			
SIZE A3	CODE CS	DOC. NUMBER 1310A21610-0-MTR	REV A01
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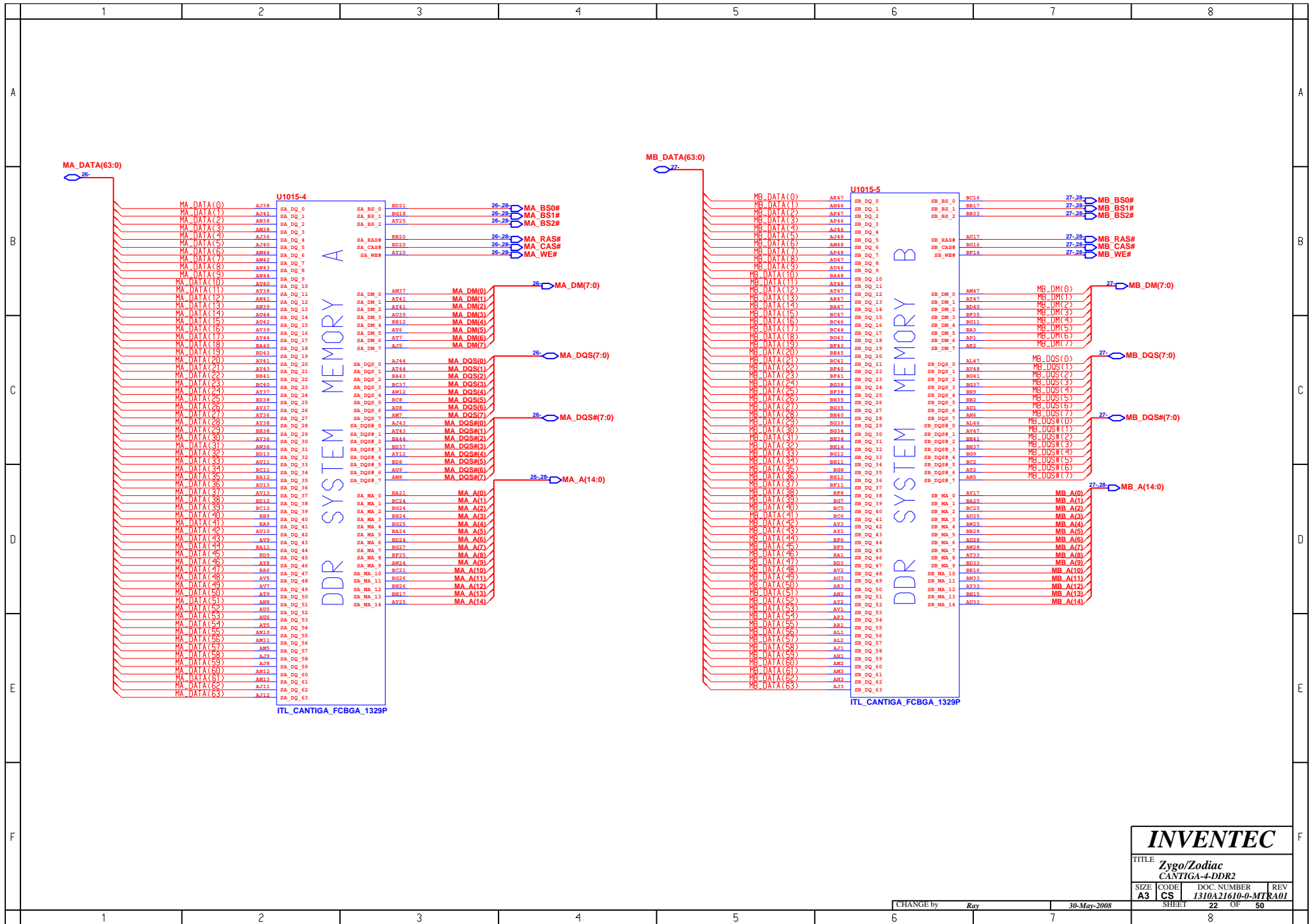
INVENTEC

TITLE: Zygo/Zodiac
CANTIGA-2

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21610-0-MT	RA01

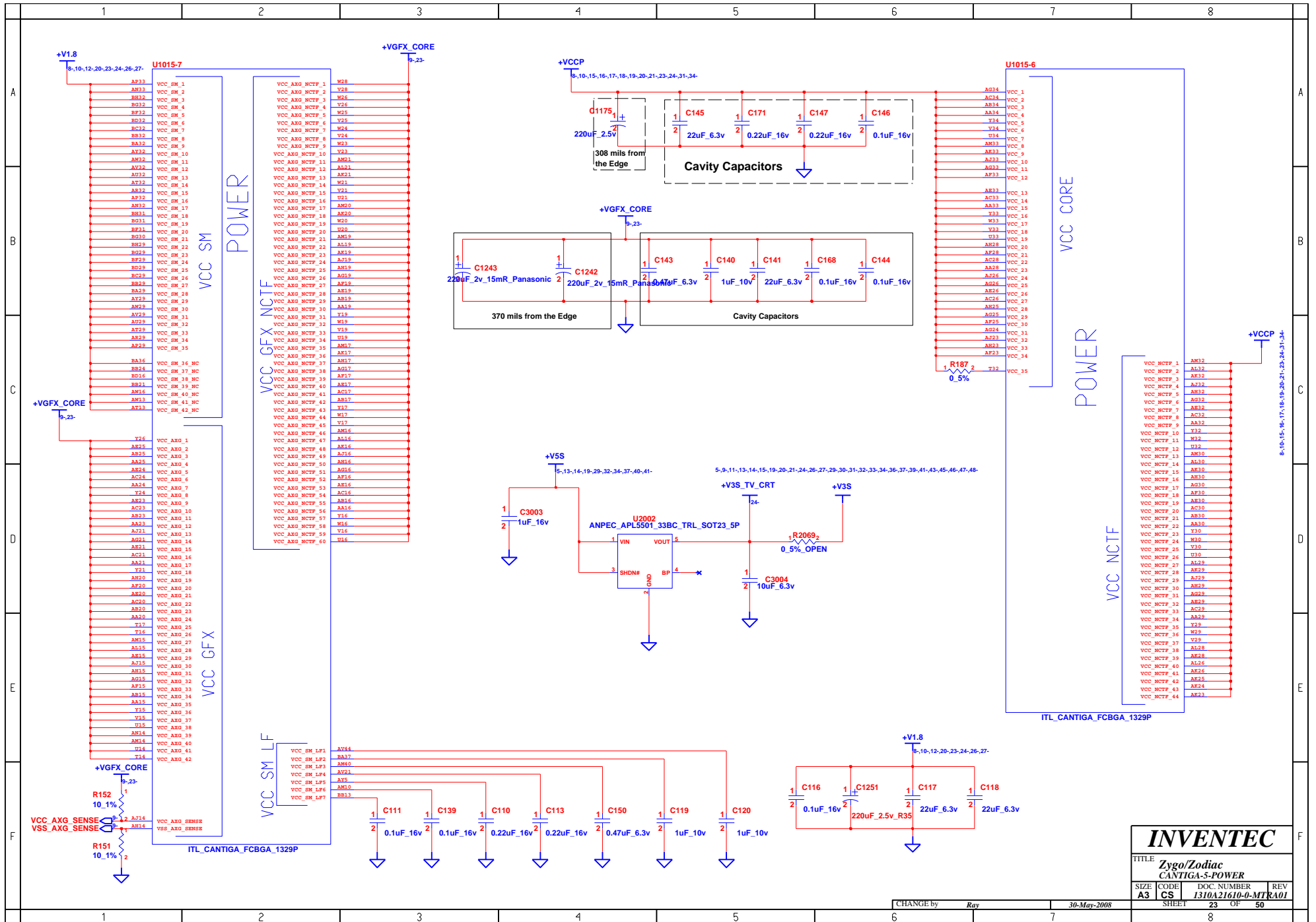
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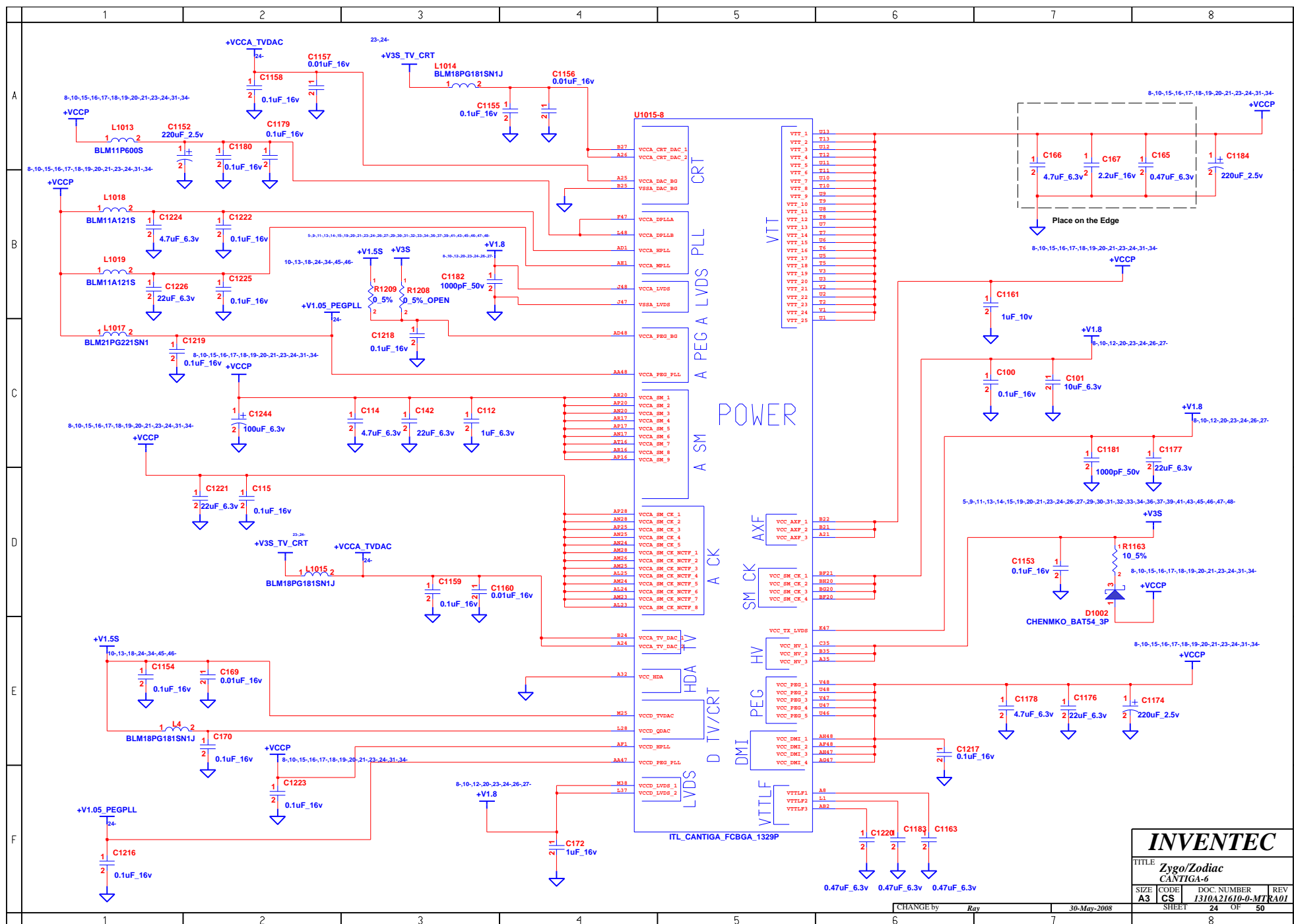
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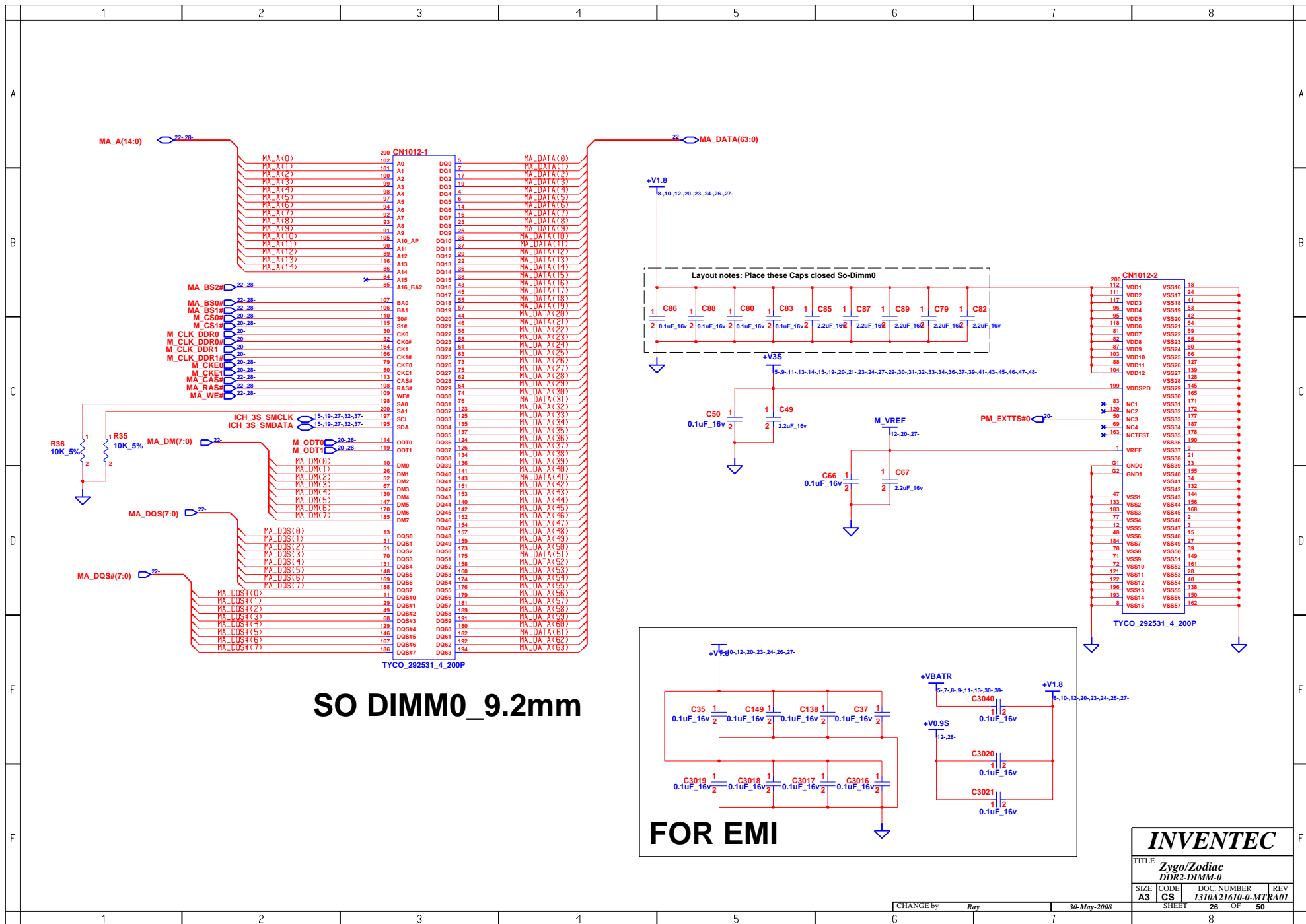


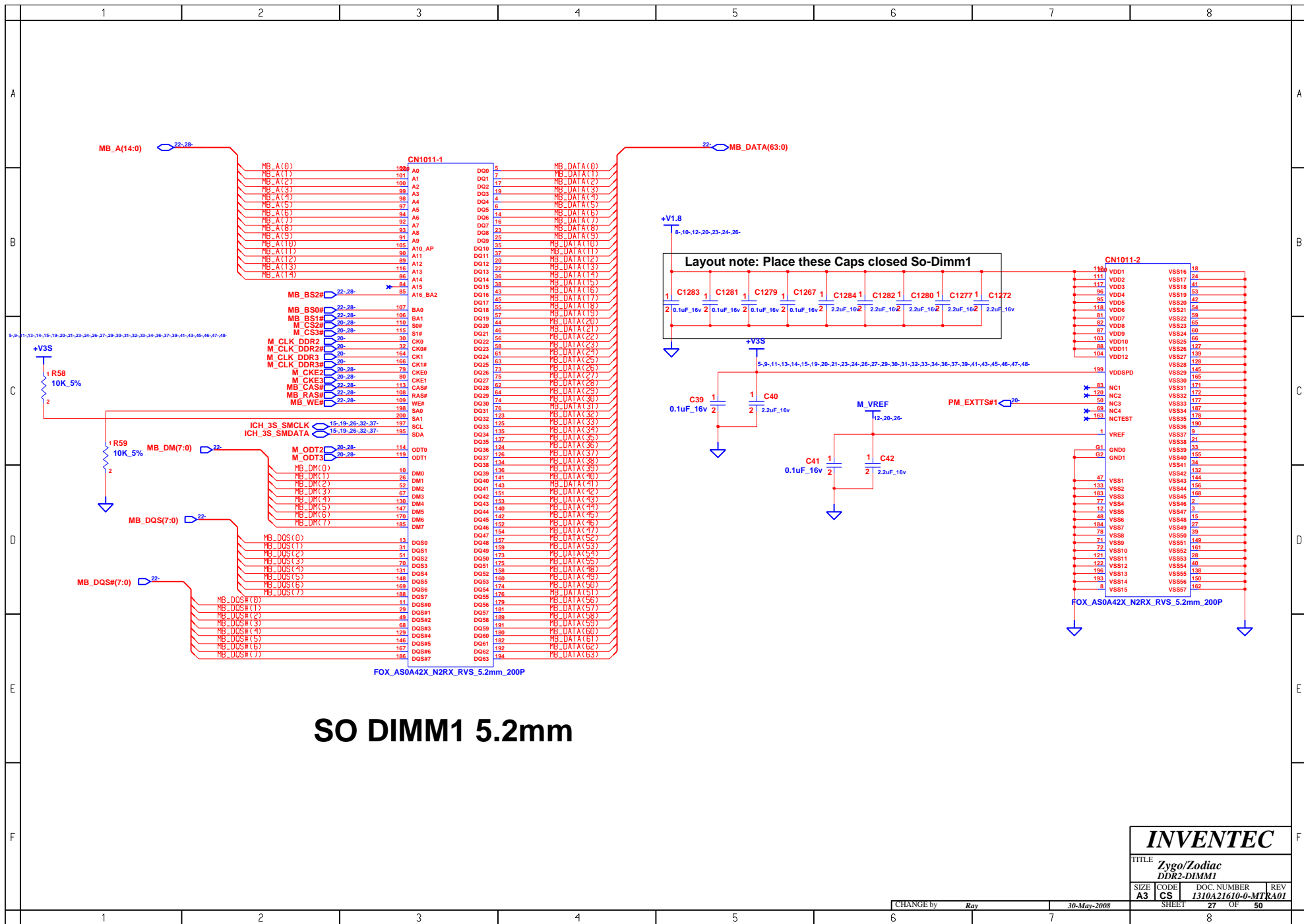
INVENTEC

TITLE Zygo/Zodiac CANTIGA-4-DDR2			
SIZE A3	CODE CS	DOC. NUMBER 1310A21610-0-MT	REV A01
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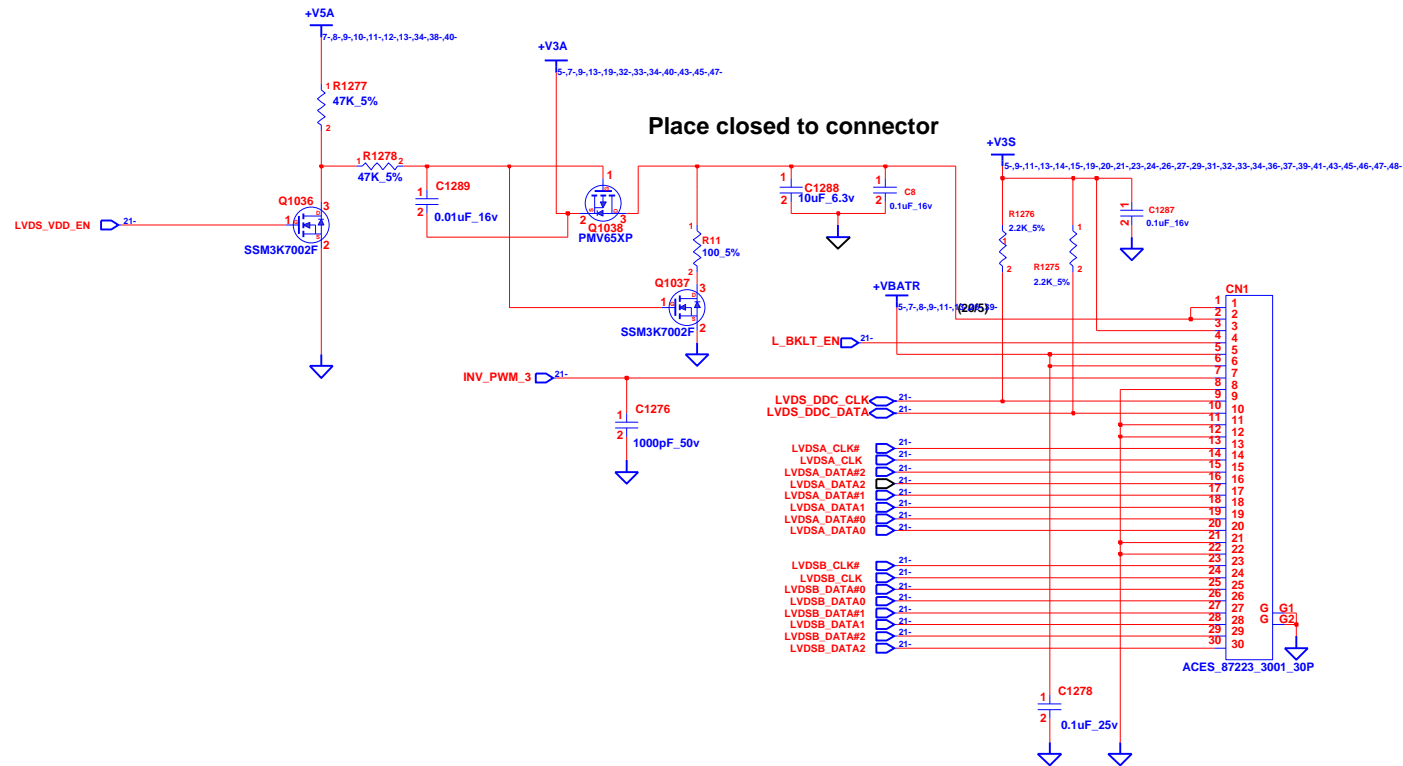
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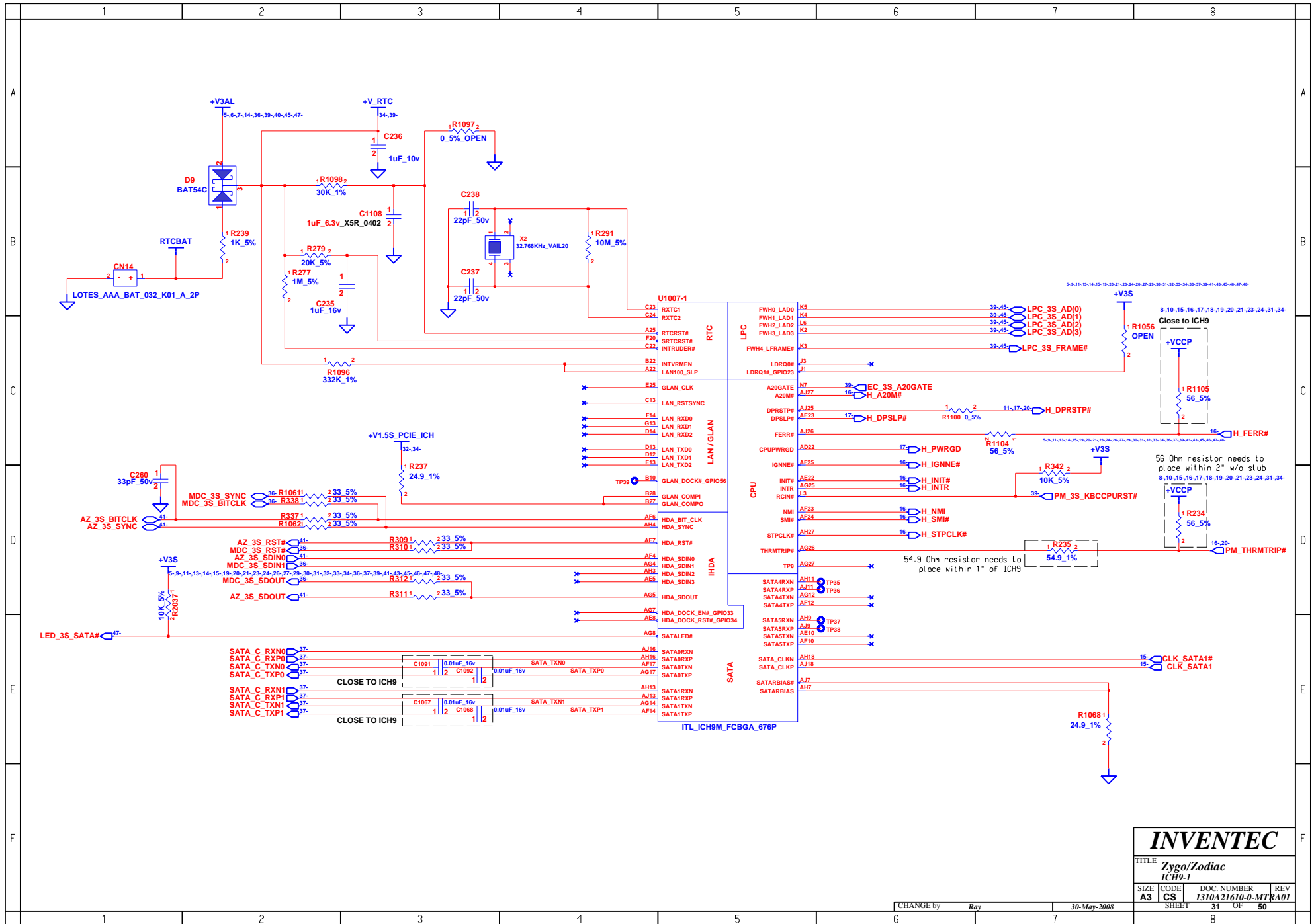
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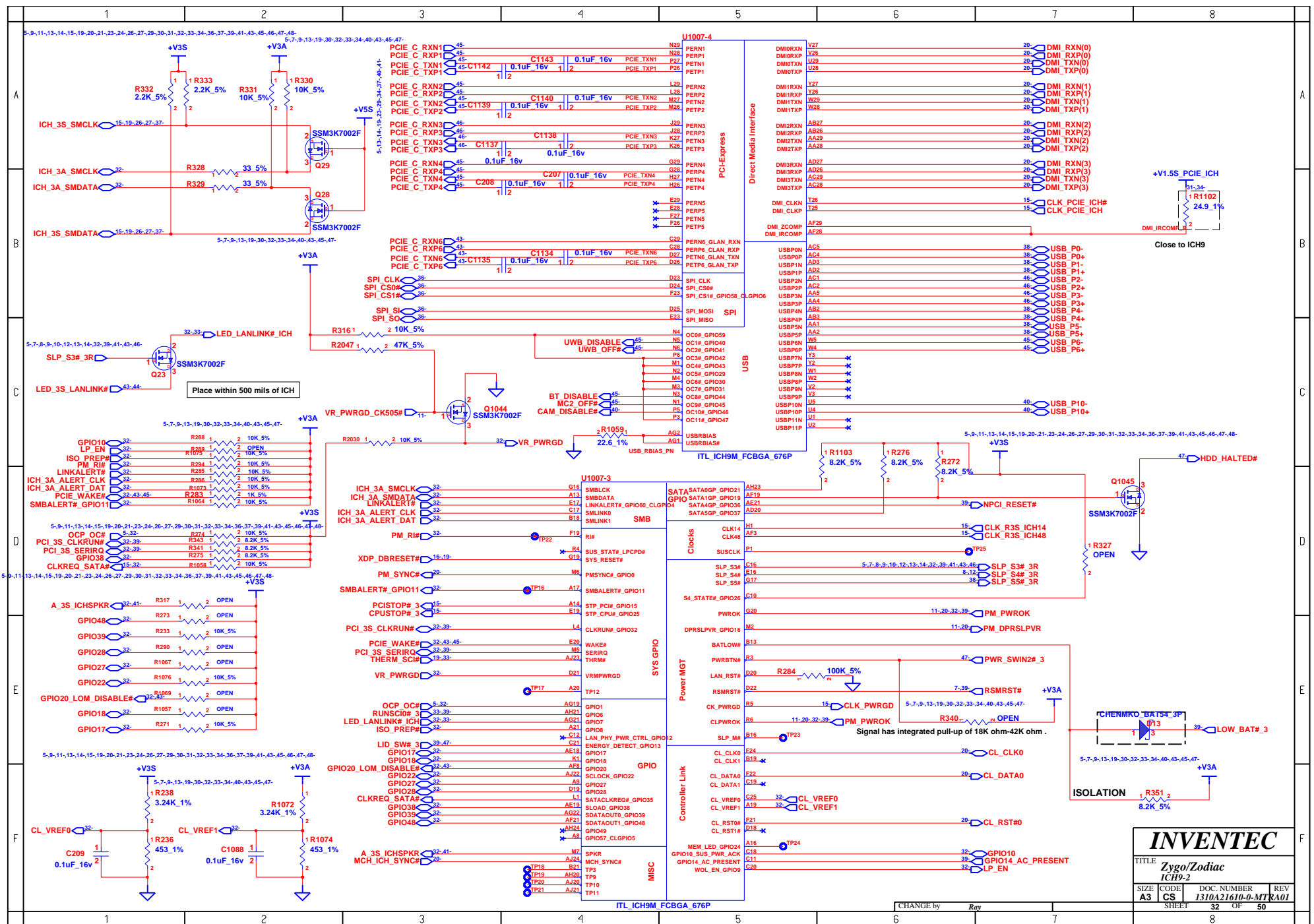
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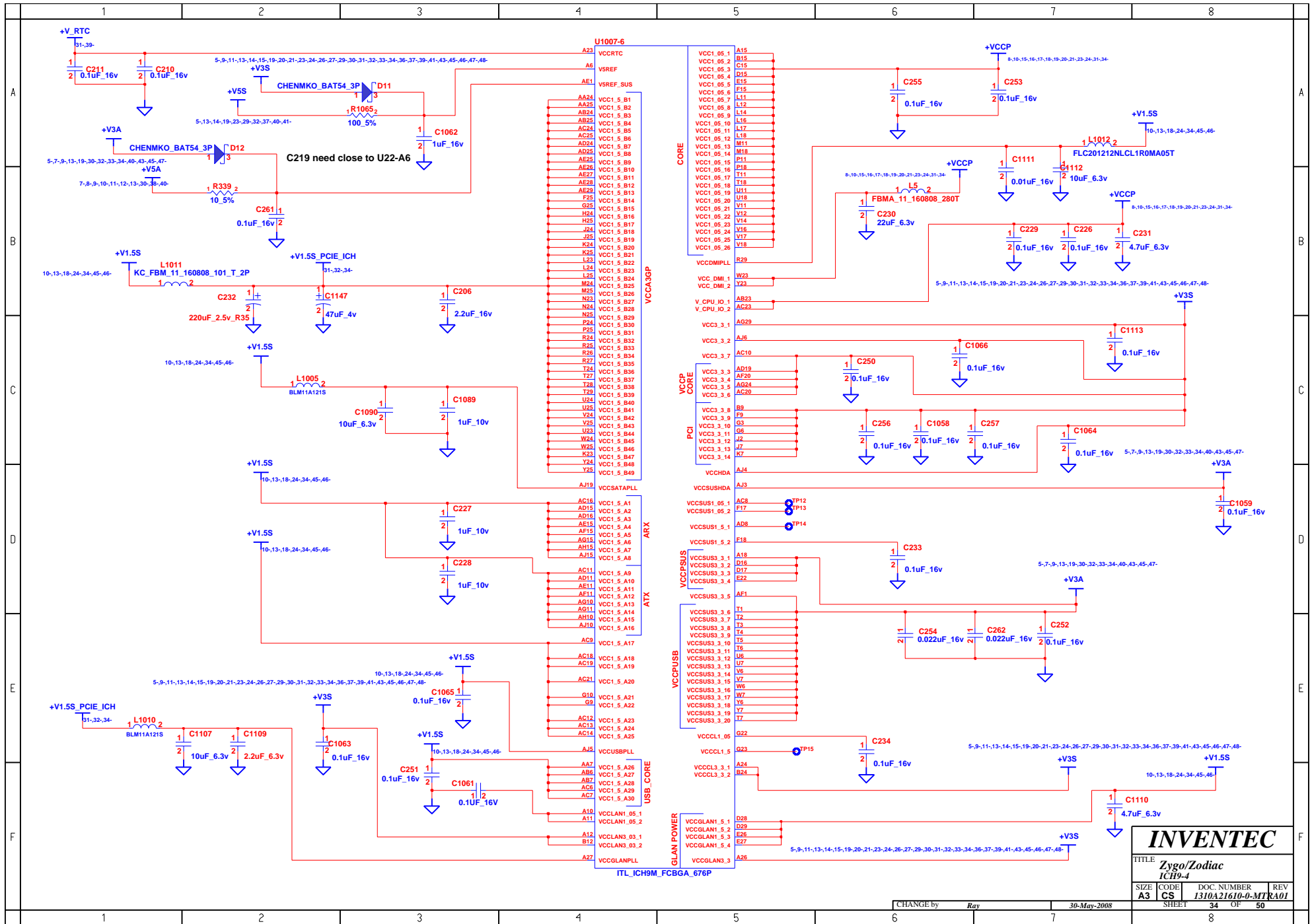


INVENTEC

TITLE Zygo/Zodiac ICH9-1			
SIZE A3	CODE CS	DOC. NUMBER I310A21610-0-MTR	REV A01
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INVENTEC

TITLE			
Zygo/Zodiac			
ICH9-4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21610-0-MTR	A01
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	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F

U1007-5

AA26 VSS001

AA27 VSS002

AA3 VSS003

AA6 VSS004

AB1 VSS005

AA23 VSS006

AB26 VSS007

AB29 VSS008

AB4 VSS009

AB5 VSS010

AC17 VSS011

AC26 VSS012

AC27 VSS013

AC3 VSS014

AD1 VSS015

AD10 VSS016

AD12 VSS017

AD13 VSS018

AD14 VSS019

AD17 VSS020

AD18 VSS021

AD21 VSS022

AD25 VSS023

AD29 VSS024

AD4 VSS025

AD5 VSS026

AD6 VSS027

AD7 VSS028

AD9 VSS029

AE13 VSS030

AE13 VSS031

AE14 VSS032

AE16 VSS033

AE17 VSS034

AE3 VSS035

AE20 VSS036

AE24 VSS037

AE3 VSS038

AE4 VSS039

AE5 VSS040

AE9 VSS041

AF13 VSS042

AF16 VSS043

AF18 VSS044

AF24 VSS045

AH26 VSS046

AF28 VSS047

AF27 VSS048

AF3 VSS049

AF7 VSS050

AF9 VSS051

AG13 VSS052

AG16 VSS053

AG18 VSS054

AG20 VSS055

AG23 VSS056

AG3 VSS057

AG5 VSS058

AG9 VSS059

AH12 VSS060

AH14 VSS061

AH17 VSS062

AH19 VSS063

AH2 VSS064

AH22 VSS065

AH23 VSS066

AH28 VSS067

AH5 VSS068

AH6 VSS069

AJ12 VSS070

AJ14 VSS071

AJ17 VSS072

AJ8 VSS073

B11 VSS074

B14 VSS075

B17 VSS076

B3 VSS077

B20 VSS078

B23 VSS079

B5 VSS080

B5 VSS081

C26 VSS082

C27 VSS083

E11 VSS084

E14 VSS085

E18 VSS086

E2 VSS087

E21 VSS088

E24 VSS089

E5 VSS090

E8 VSS091

F16 VSS092

F28 VSS093

F29 VSS094

G14 VSS095

G14 VSS096

G19 VSS097

G21 VSS098

G24 VSS099

G25 VSS100

G27 VSS101

G8 VSS102

H3 VSS103

H28 VSS104

H28 VSS105

H28 VSS106

VSS107 H5

VSS108 J23

VSS109 J26

VSS110 J27

VSS111 AC22

VSS112 K28

VSS113 K29

VSS114 L13

VSS115 L15

VSS116 L2

VSS117 L26

VSS118 L27

VSS119 L5

VSS120 L7

VSS121 M12

VSS122 M13

VSS123 M14

VSS124 M15

VSS125 M16

VSS126 M17

VSS127 M23

VSS128 M28

VSS129 M29

VSS130 N11

VSS131 N12

VSS132 N13

VSS133 N14

VSS134 N15

VSS135 N16

VSS136 N17

VSS137 N18

VSS138 N26

VSS139 N27

VSS140 P13

VSS141 P12

VSS142 P14

VSS143 P15

VSS144 P16

VSS145 P17

VSS146 P2

VSS147 P23

VSS148 P28

VSS149 P29

VSS150 P4

VSS151 P7

VSS152 R11

VSS153 R12

VSS154 R13

VSS155 R14

VSS156 R15

VSS157 R16

VSS158 R17

VSS159 R18

VSS160 R28

VSS161 T12

VSS162 T13

VSS163 T14

VSS164 T15

VSS165 T16

VSS166 T17

VSS167 T23

VSS168 B26

VSS169 U12

VSS170 U13

VSS171 U14

VSS172 U15

VSS173 U16

VSS174 U17

VSS175 AD23

VSS176 U26

VSS177 U27

VSS178 U3

VSS179 V1

VSS180 V13

VSS181 V15

VSS182 V23

VSS183 V28

VSS184 V29

VSS185 V4

VSS186 V5

VSS187 W26

VSS188 W27

VSS189 W3

VSS190 Y1

VSS191 Y28

VSS192 Y29

VSS193 Y4

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VSS197 AF2

VSS198 B25

48- ICHGND1 A1

48- ICHGND4 A29

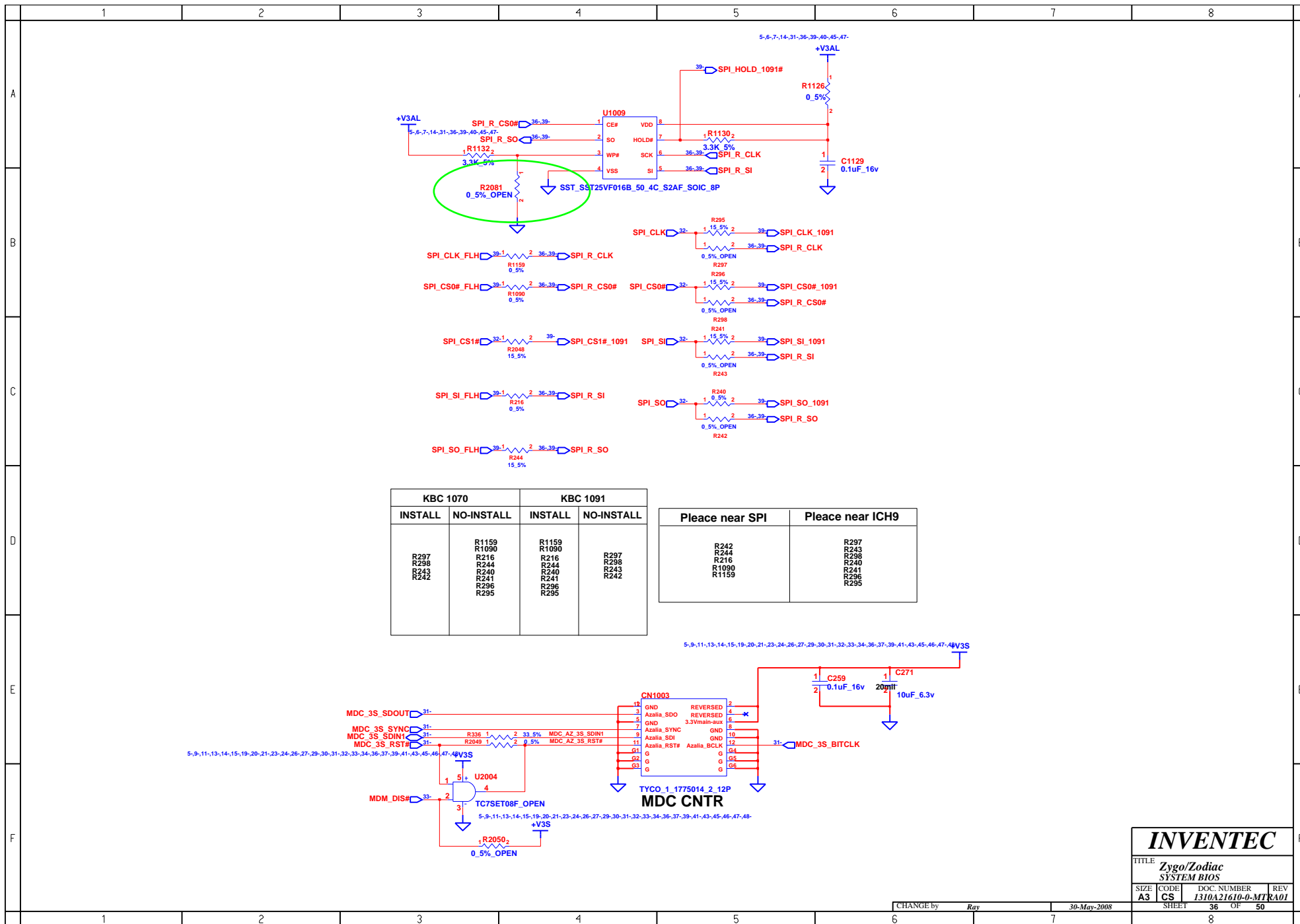
48- ICHGND7 AJ1

48- ICHGND10 B29

ITL_ICH9M_FCBGA_676P

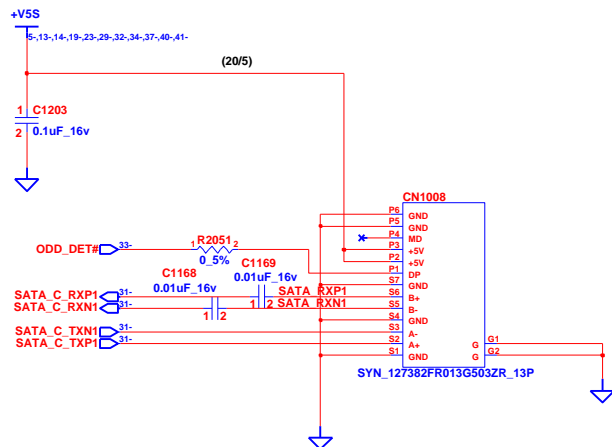
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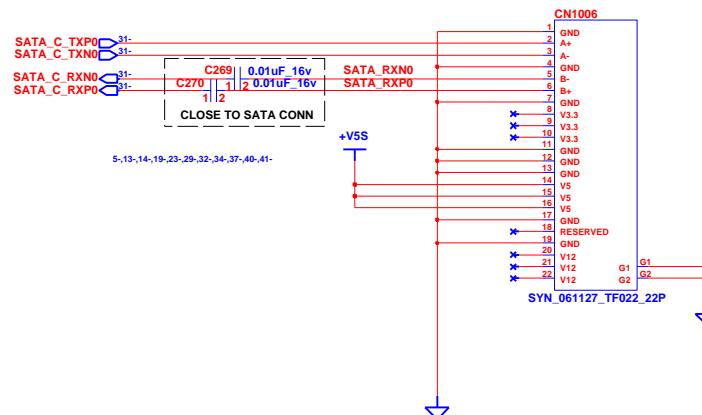


INVENTEC			
TITLE Zygo/Zodiac SYSTEM BIOS			
SIZE A3	CODE CS	DOC. NUMBER 1310A21610-0-MTR	REV A01
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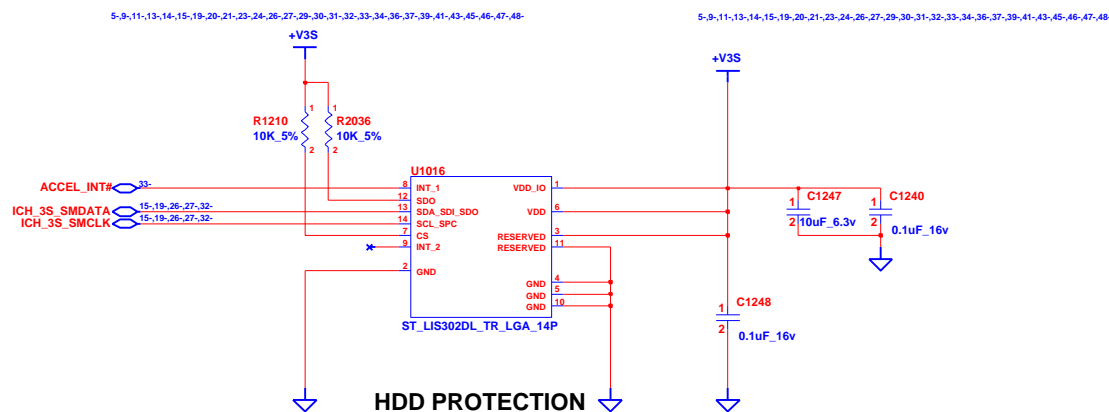
CHANGE by Ray 30-May-2008



SATA ODD CNTR

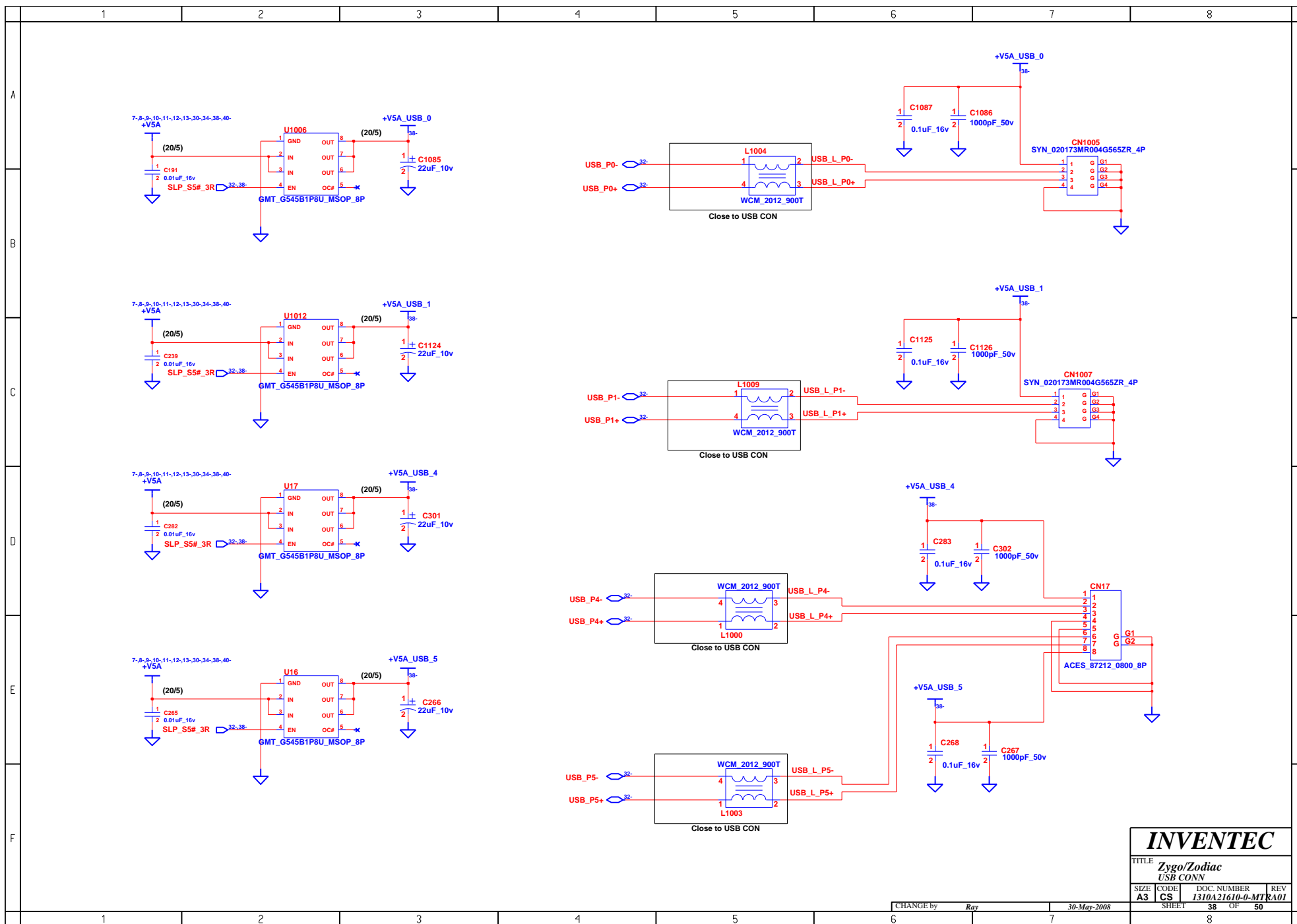


SATA HDD CNTR



HDD PROTECTION

INVENTEC			
TITLE Zygo/Zodiac HDB&ODD CNTR			
SIZE A3	CODE CS	DOC. NUMBER 1310A21610-0-MTR	REV A01
CHANGE by Ray		30-May-2008	SHEET 37 OF 50

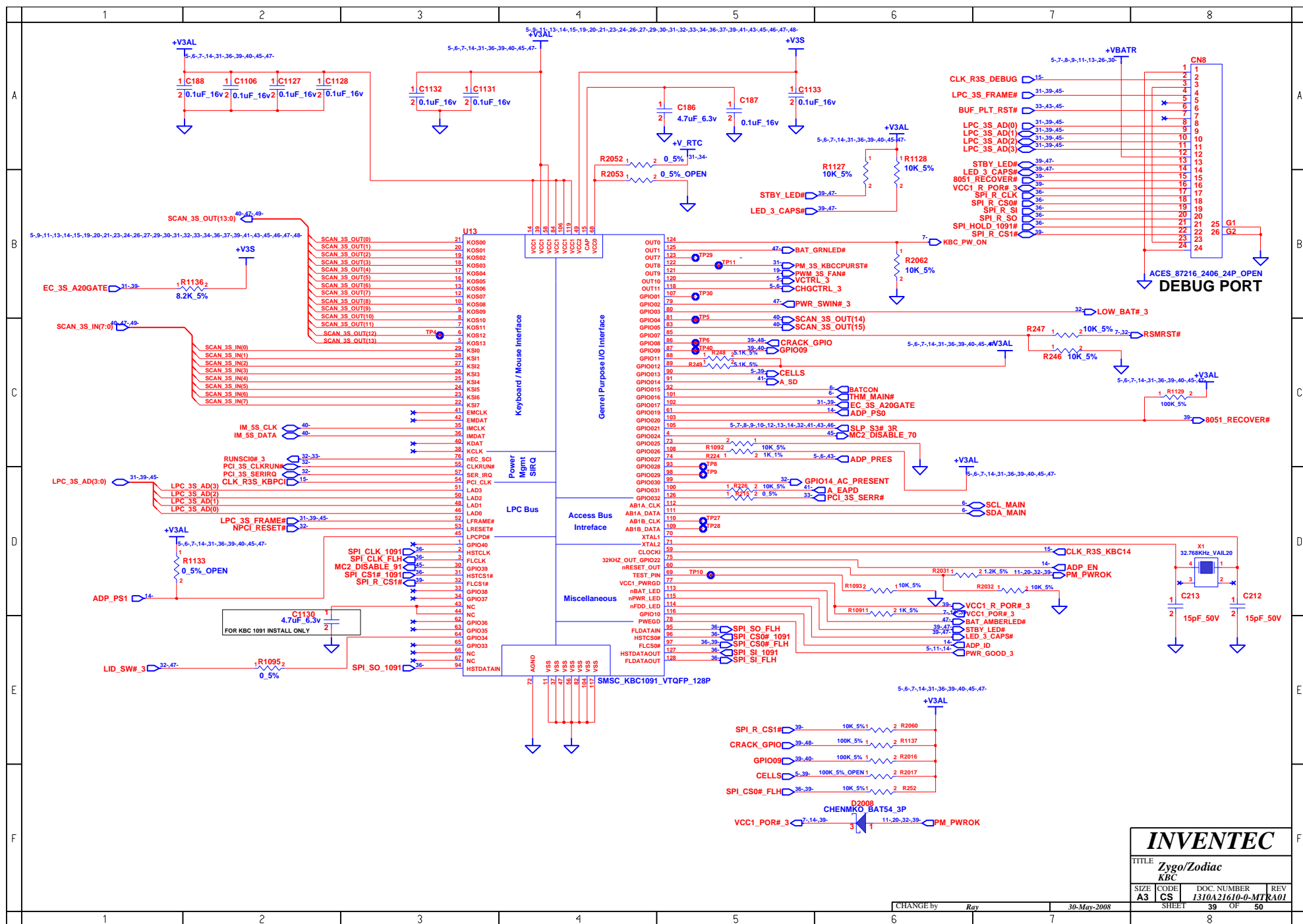


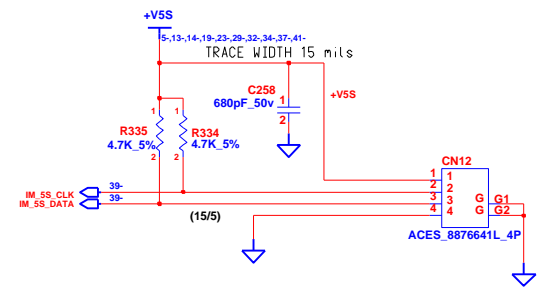
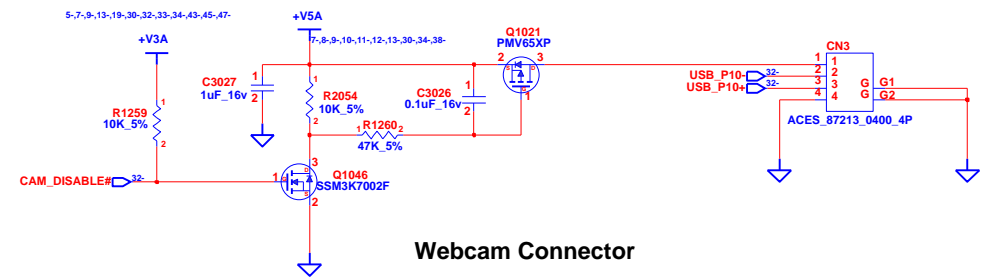
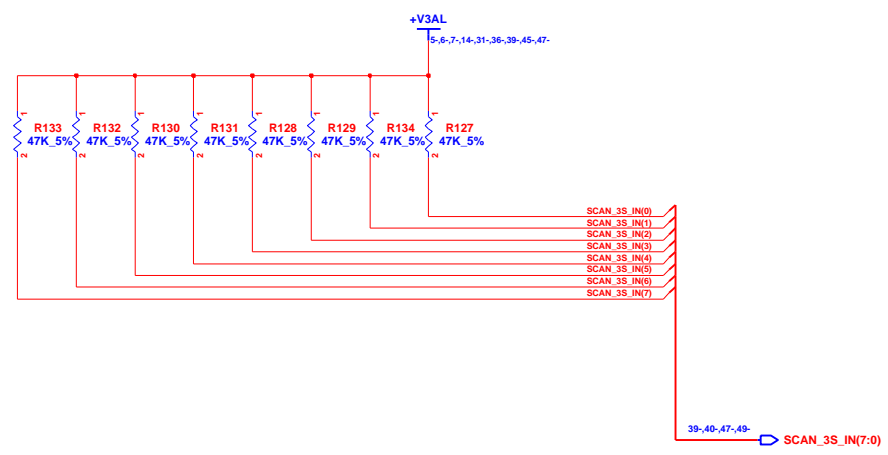
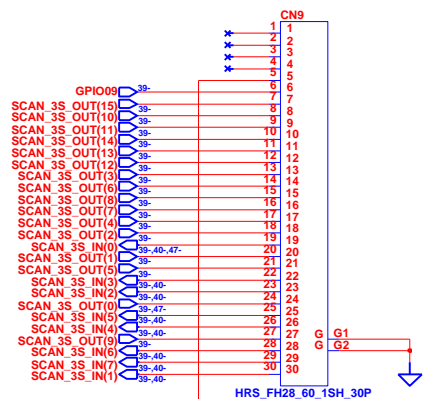
INVENTEC

TITLE		
Zygo/Zodiac		
USB CONN		
SIZE	CODE	DOC. NUMBER
A3	CS	1310A21610-0-MTR
REV		REV
A01		A01

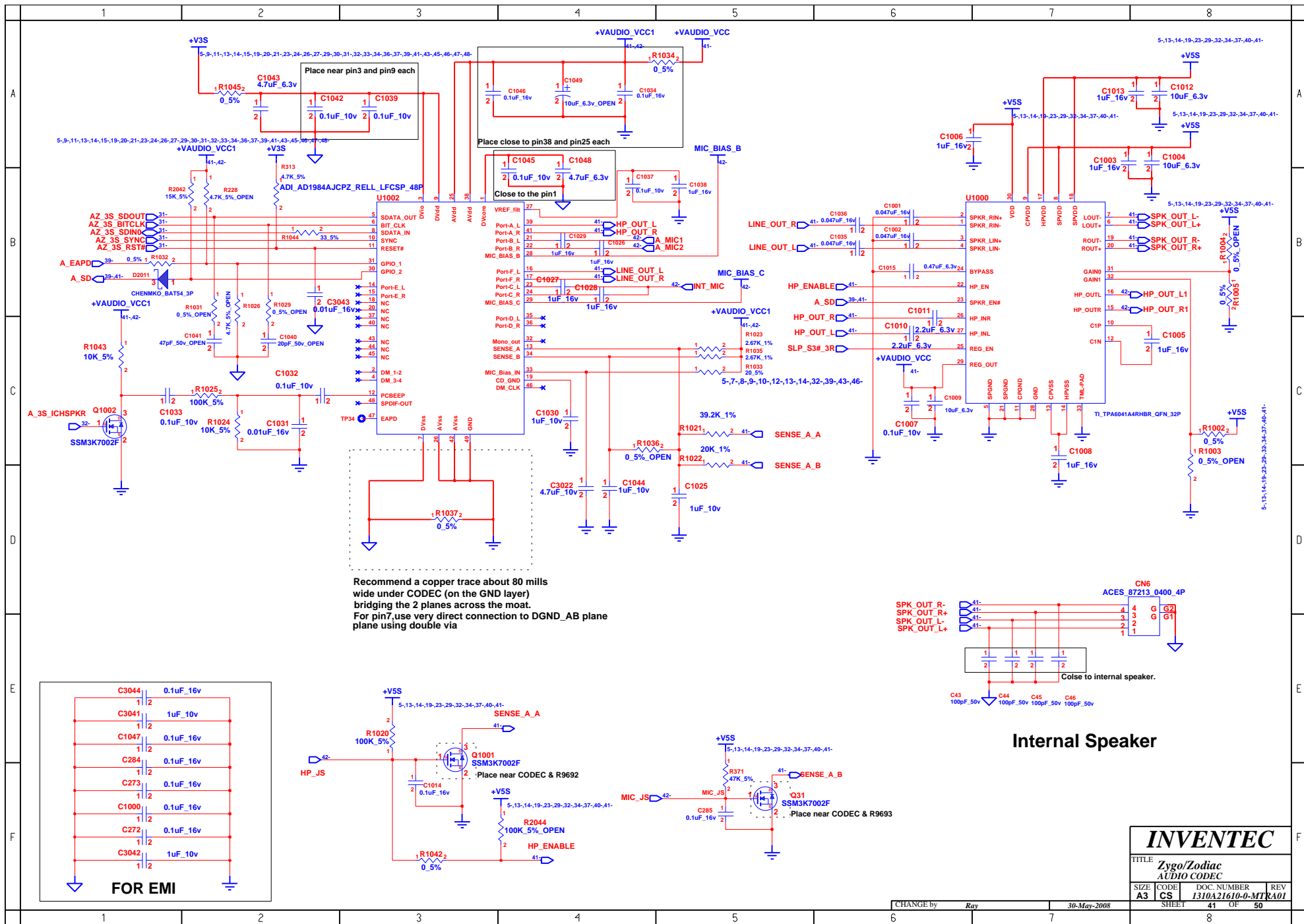
CHANGE by Ray 30-May-2008

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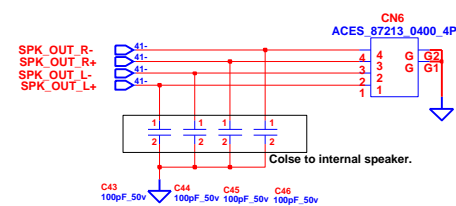




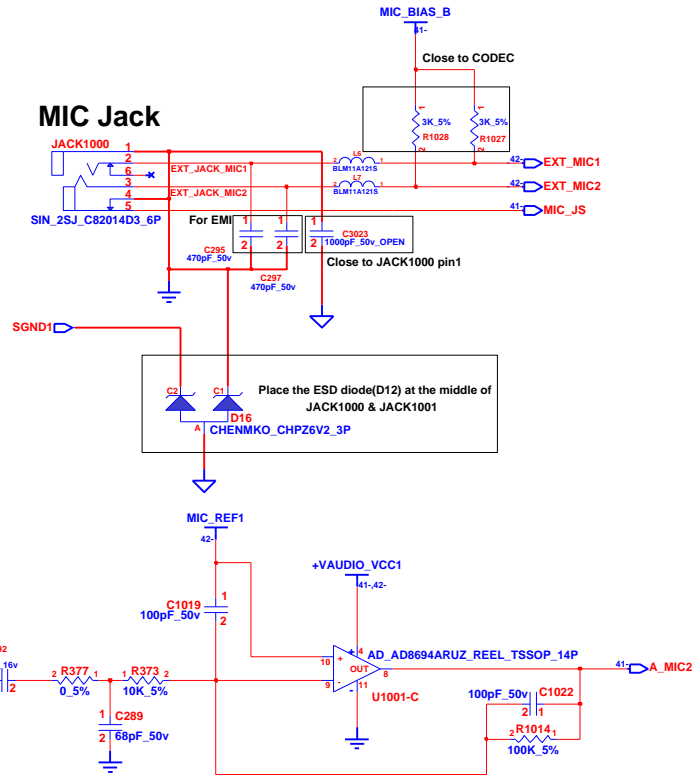
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SIZE A3	CODE CS	DOC. NUMBER 1310A21610-0-MTR	REV A01
CHANGE by Ray		30-May-2008	
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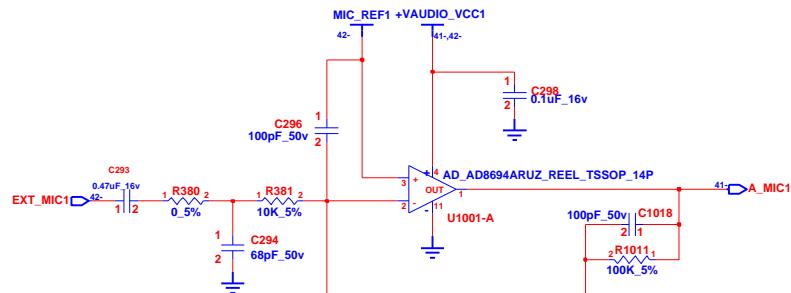
Recommend a copper trace about 80 mils wide under CODEC (on the GND layer) bridging the 2 planes across the moat. For pin7, use very direct connection to DGND_AB plane using double via



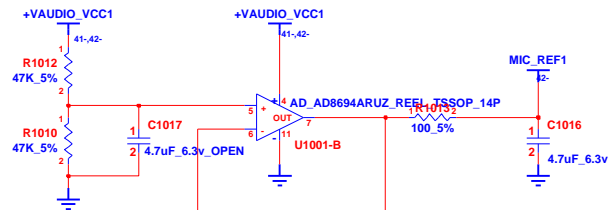
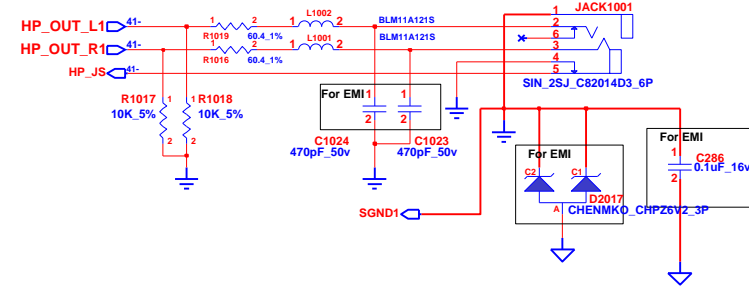
MIC Jack



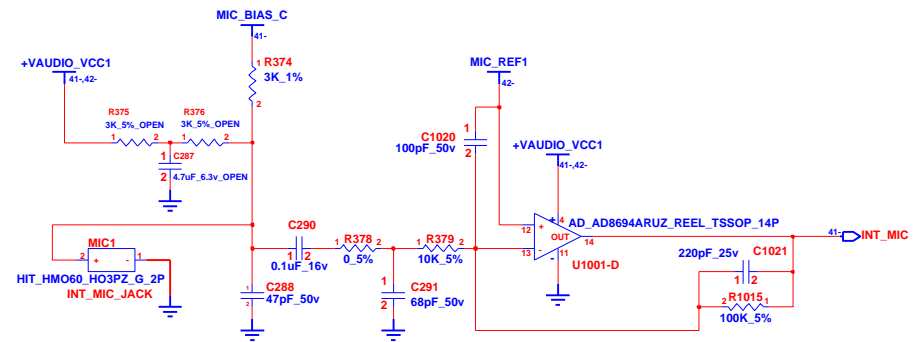
EXT. MIC



Earphone Jack



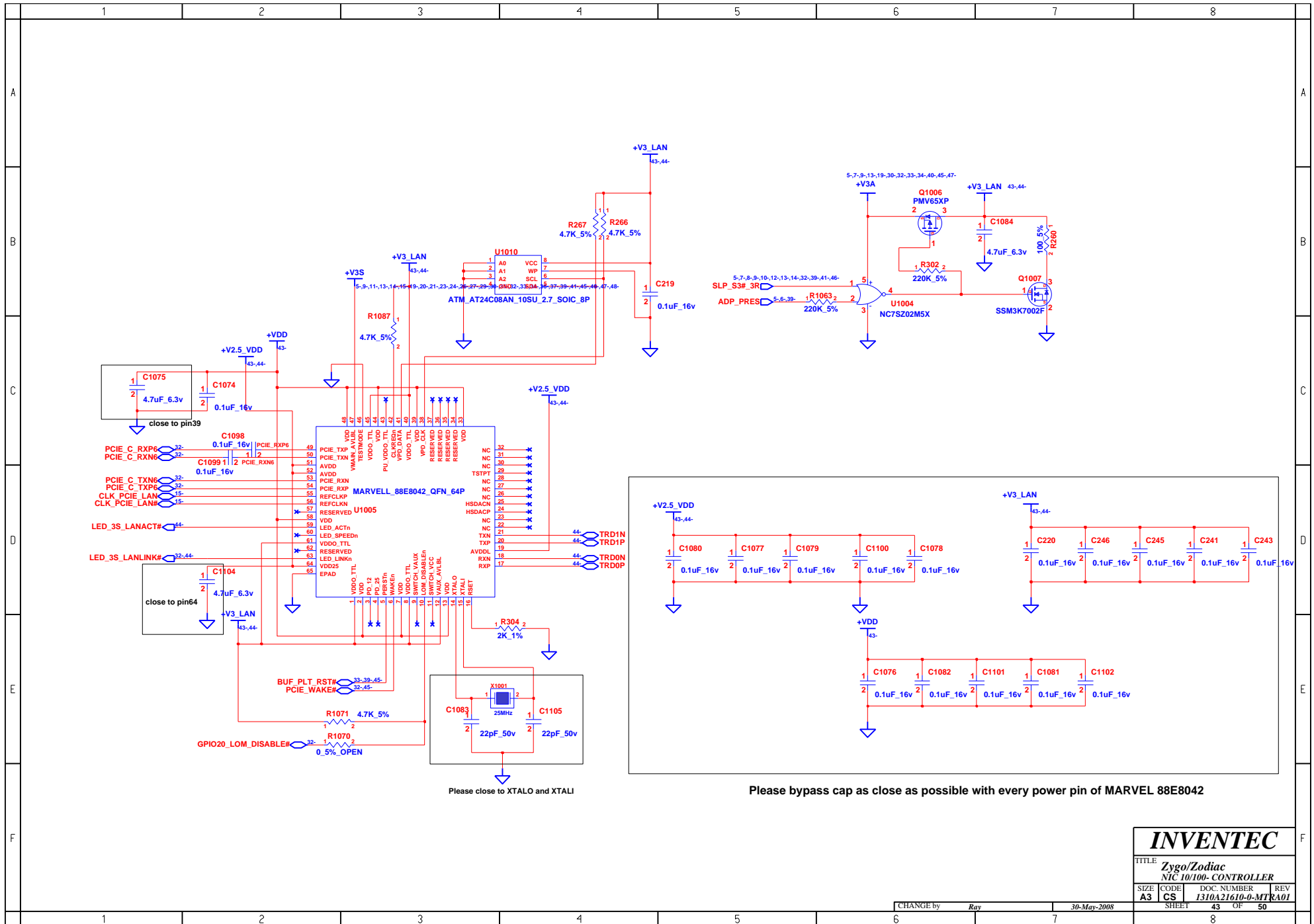
INT. MIC



INVENTEC

TITLE			
Zygo/Zodiac			
AUDIO JACK			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21610-0-MTR	A01
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CHANGE by Ray 7-Jun-2008

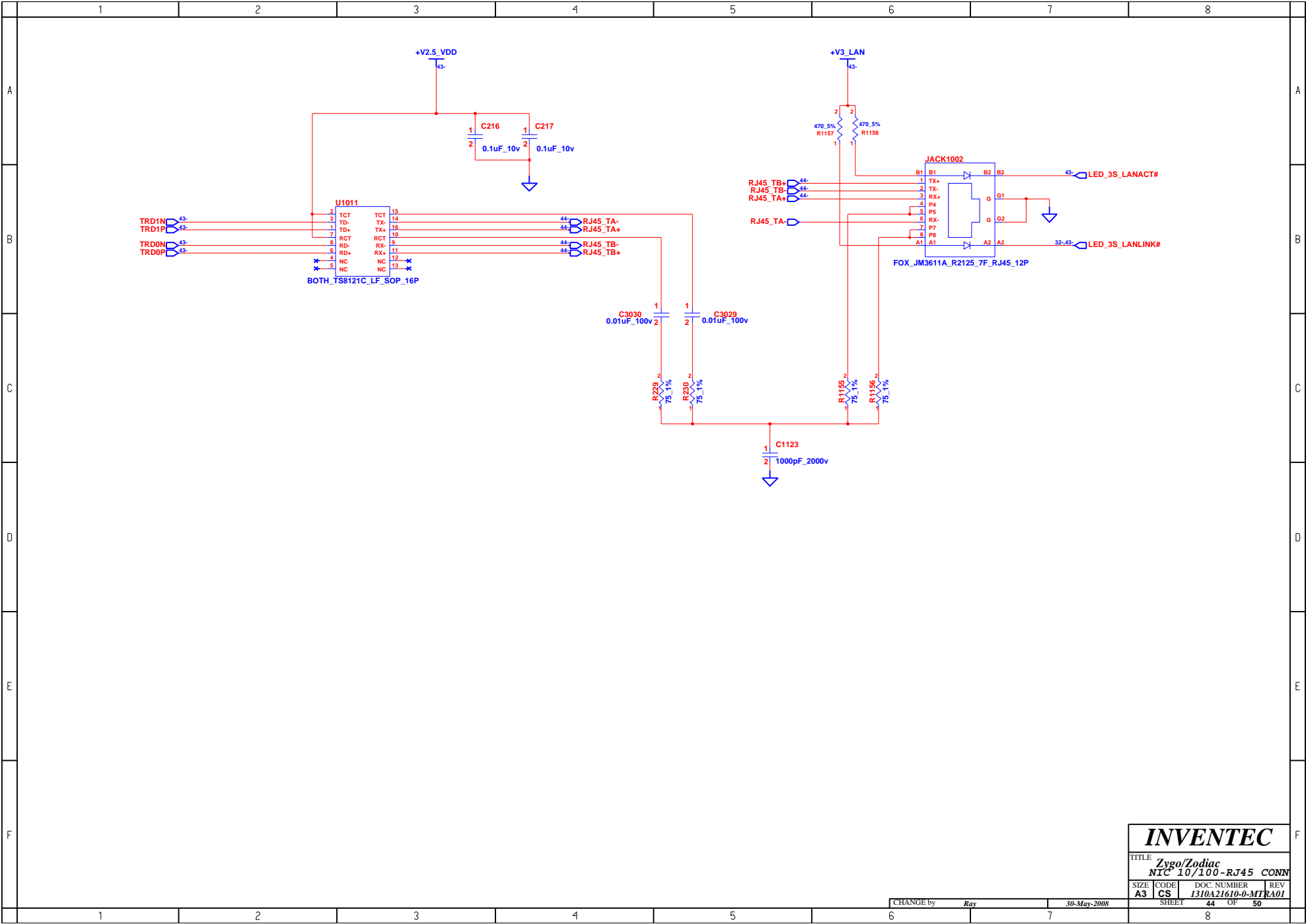


INVENTEC

TITLE			
Zygo/Zodiac			
NIC 10/100-CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21610-0-MTR	RA01

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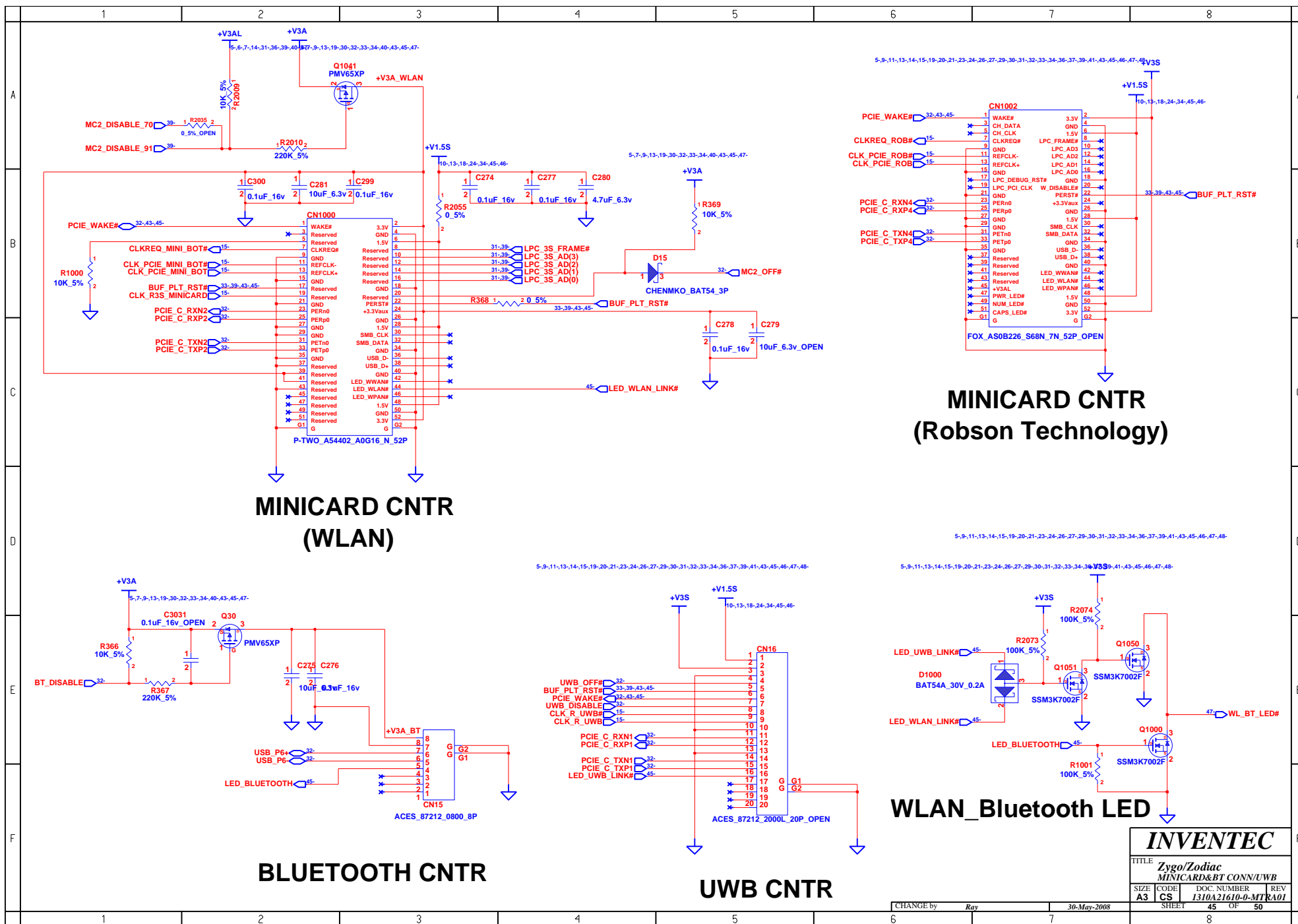


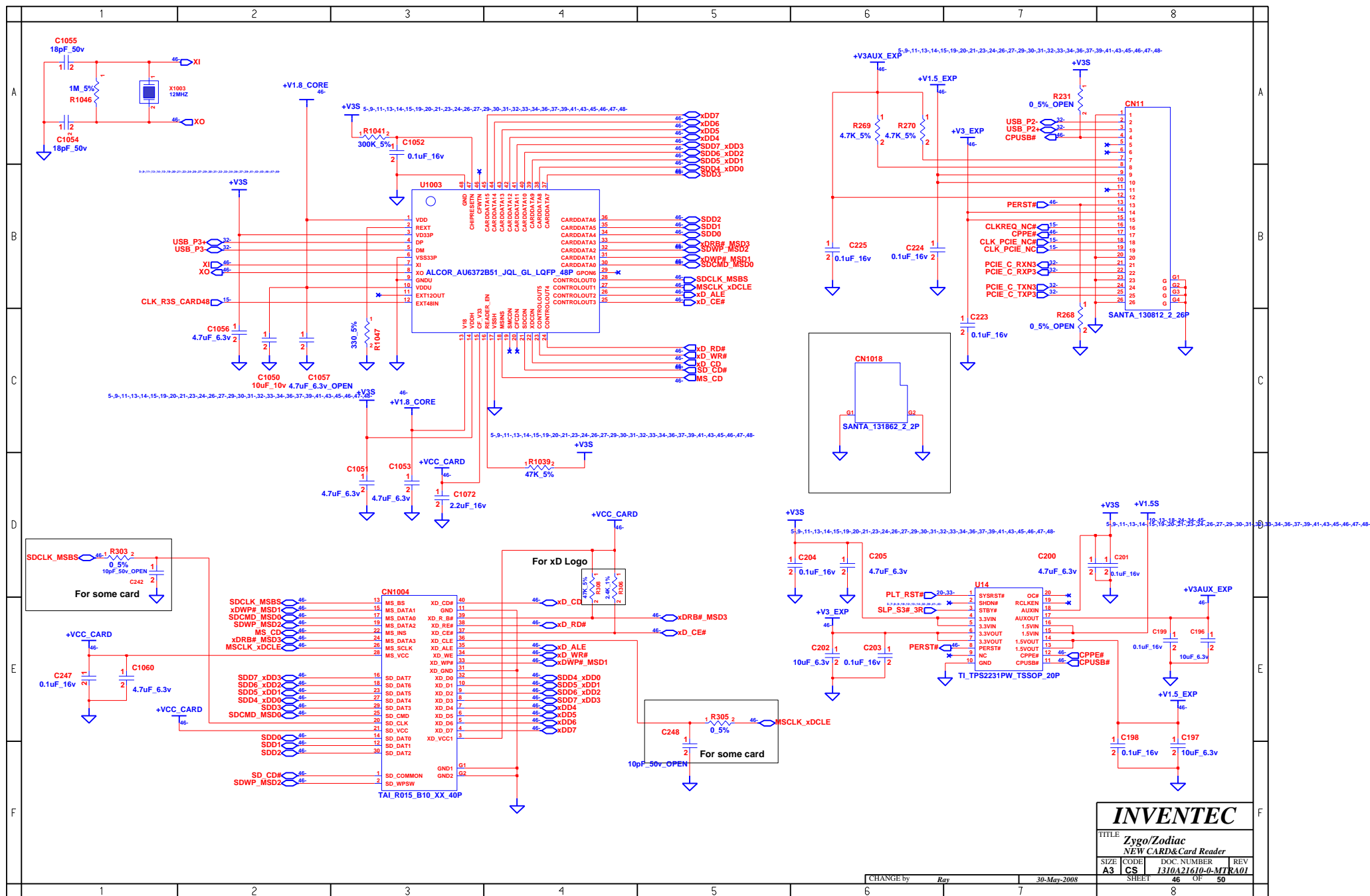
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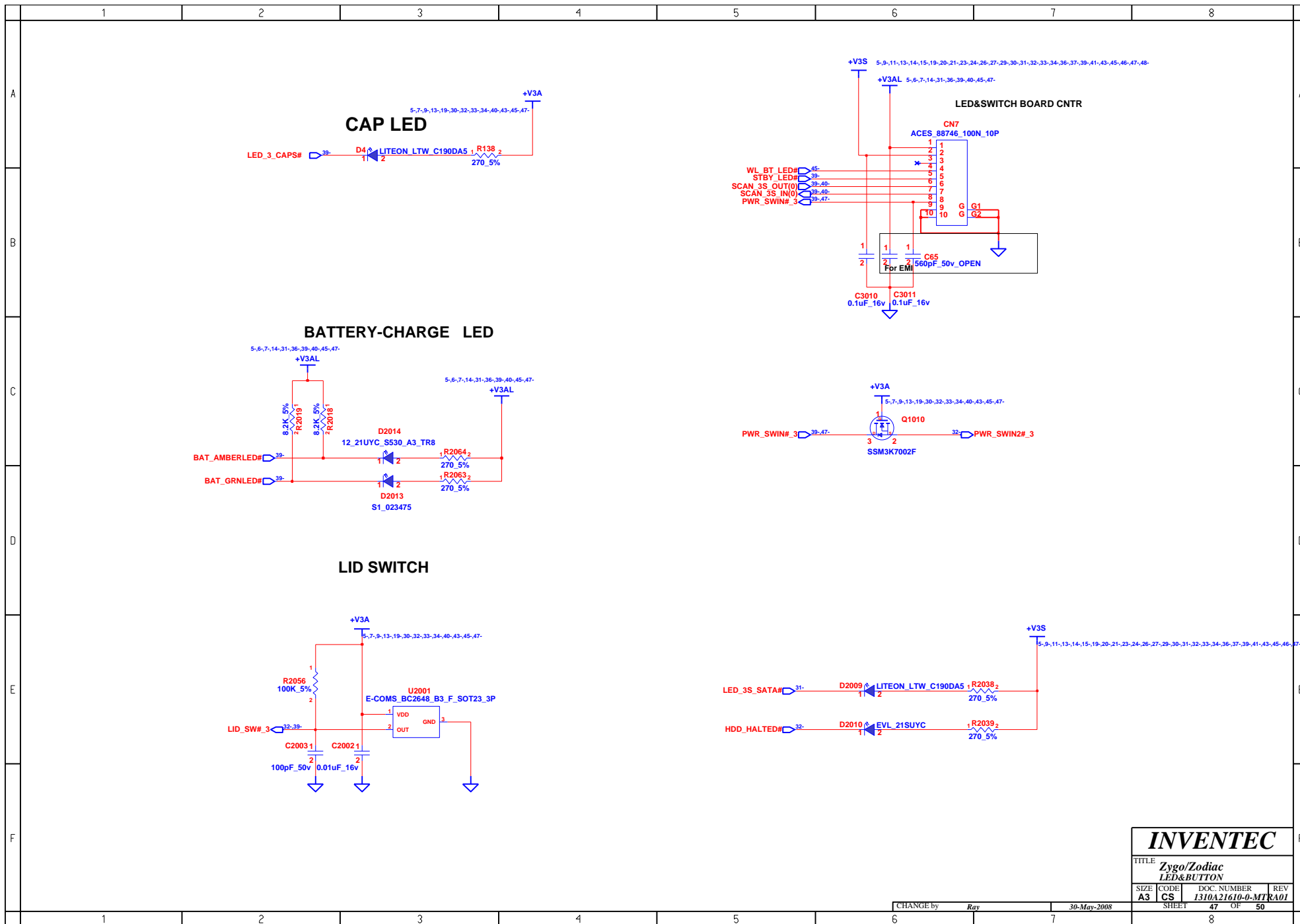
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Zygo/Zodiac			
NTC 10/100-RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21610-0-MTR	RA01

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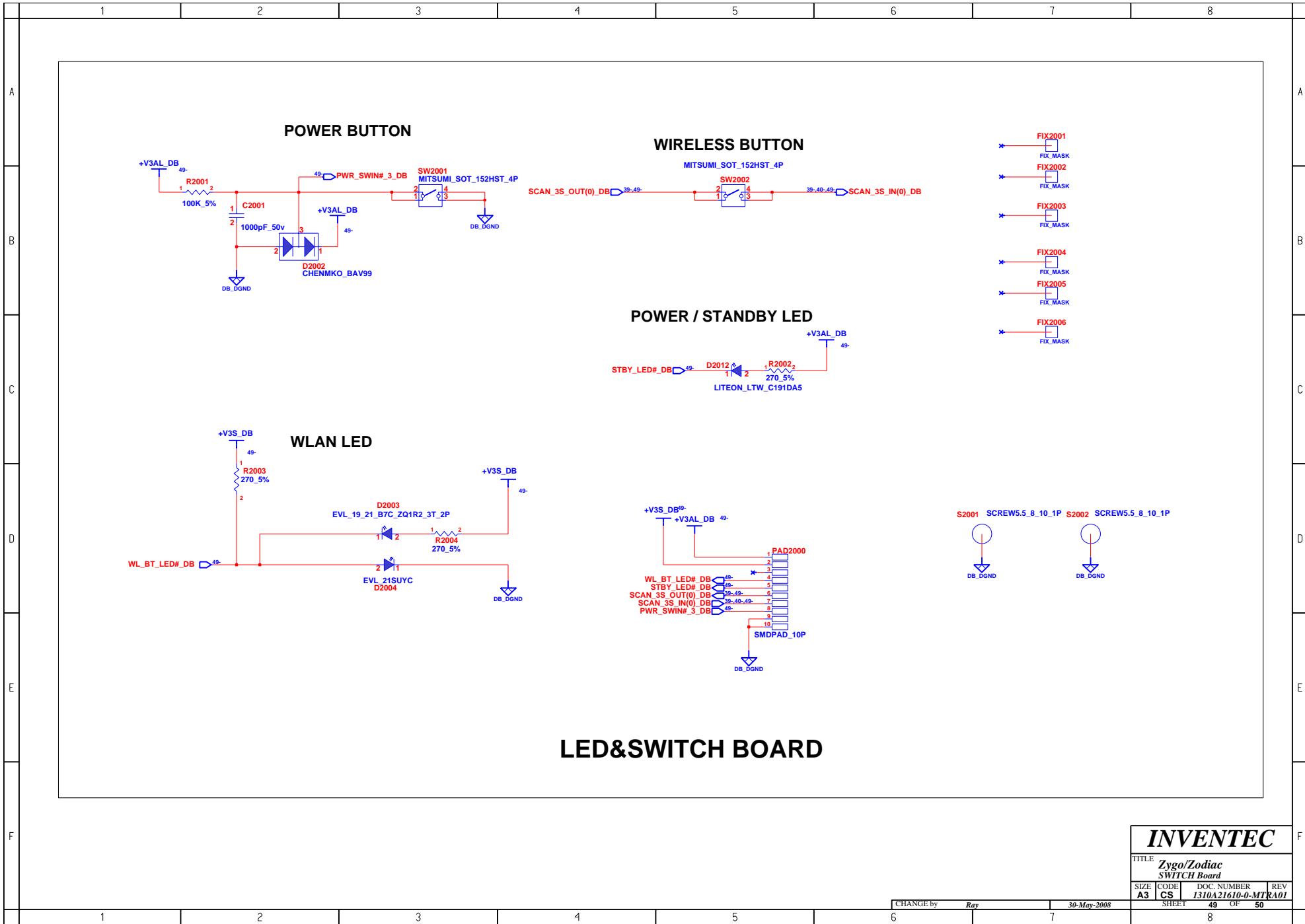
INVENTEC

TITLE
**Zygo/Zodiac
LED&BUTTON**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21610-0-MTR	A01

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INVENTEC

TITLE Zygo/Zodiac SWITCH Board			
SIZE A3	CODE CS	DOC. NUMBER I310A21610-0-MTR A01	REV 1

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