



Perugia 10M MP Build(A03)

2009.05.05

SIZE =	3	
DATE	CHANGENO.	REV

VER :

DRAWER	EE	DATE	POWER	DATE	INVENTEC			
DESIGN					TITLE			
CHECK					Perugia10M			
RESPONSIBLE								
					SIZE	CODE	DOC. NUMBER	REV
FILE NAME : XXXX-XXXXXX-XX					A3	CS	1310A2250501	x01
P/N XXXXXXXXXXXX					SHEET 1 OF 63			

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TITLE

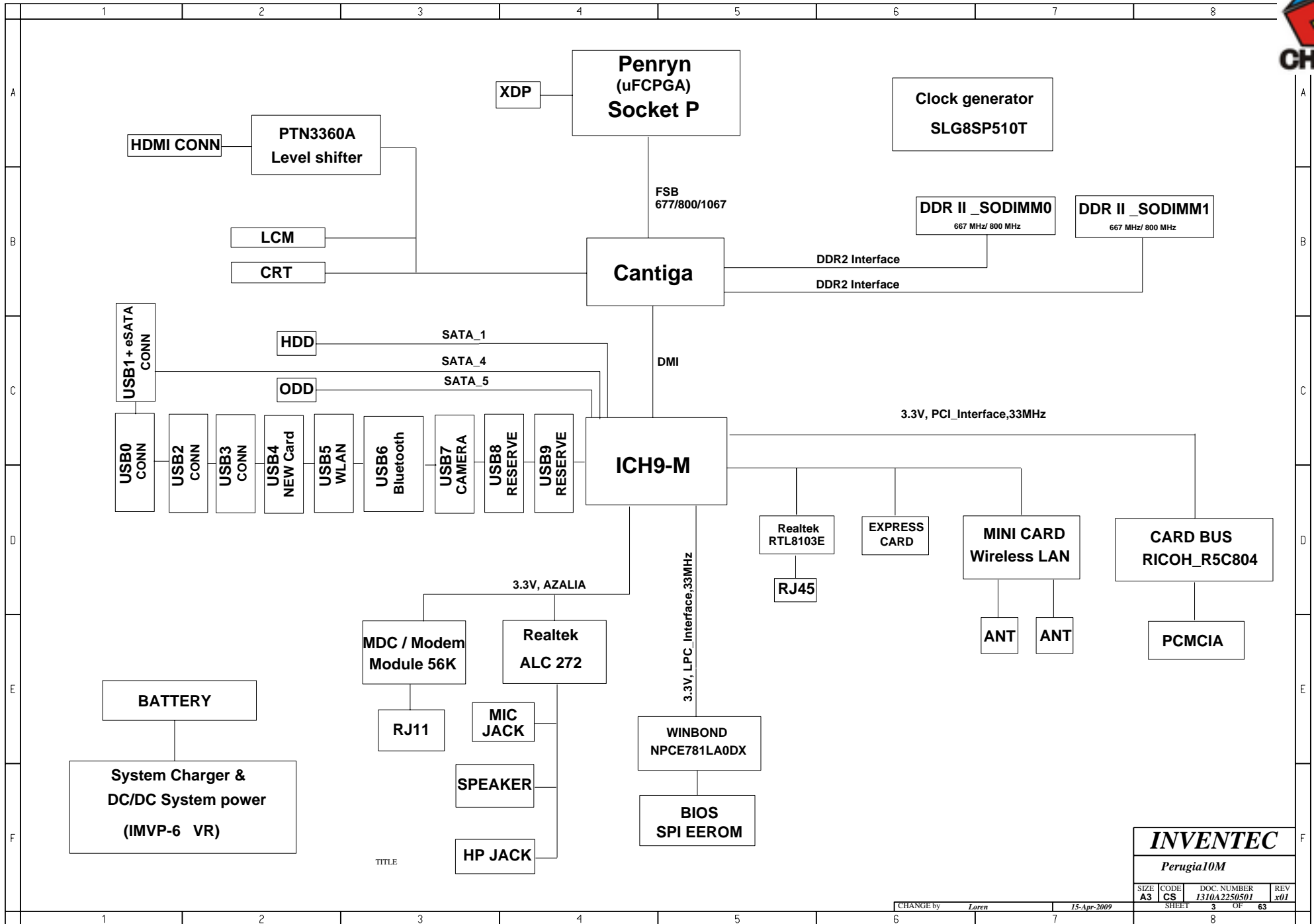
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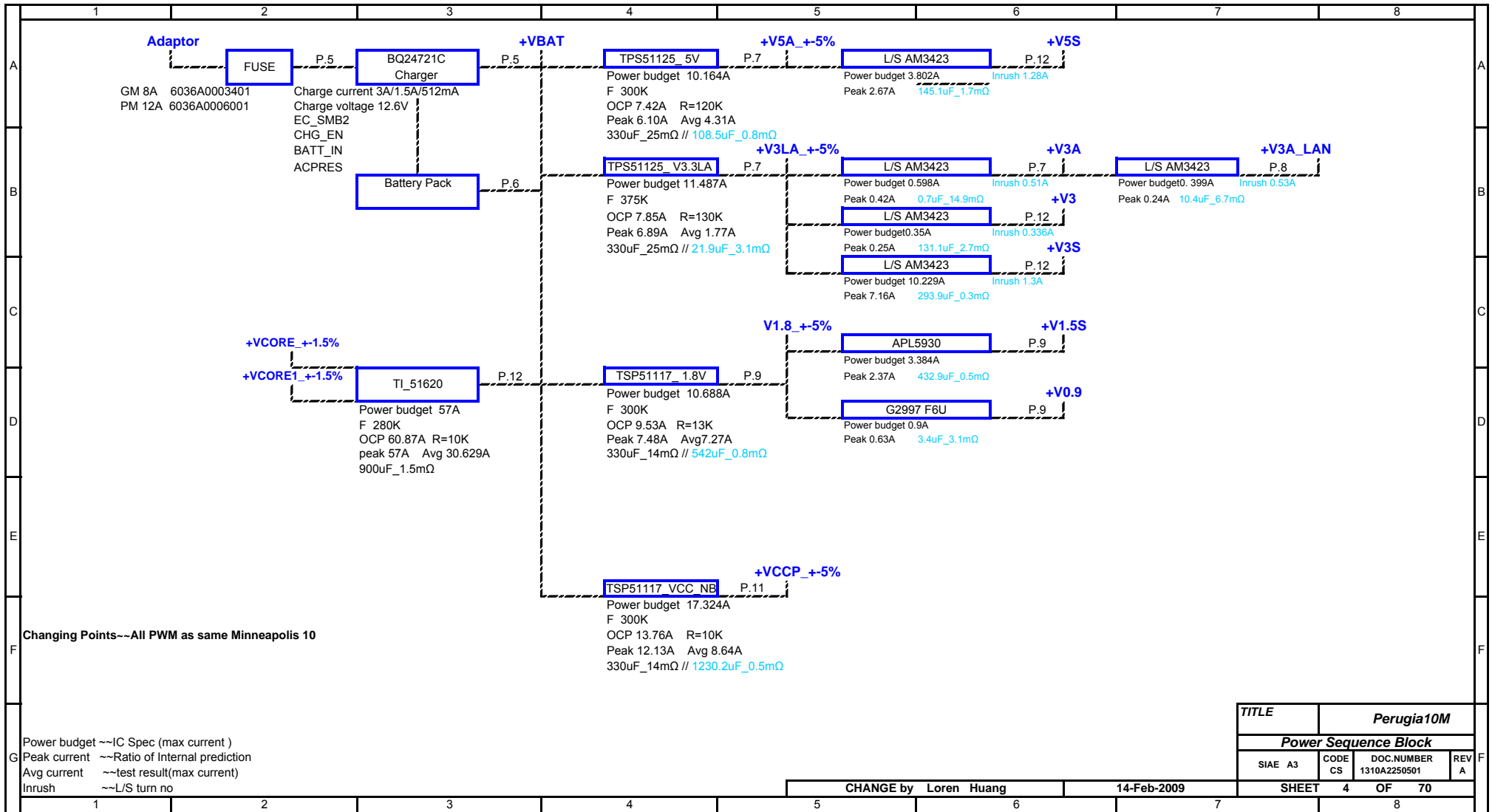
Perugia10M

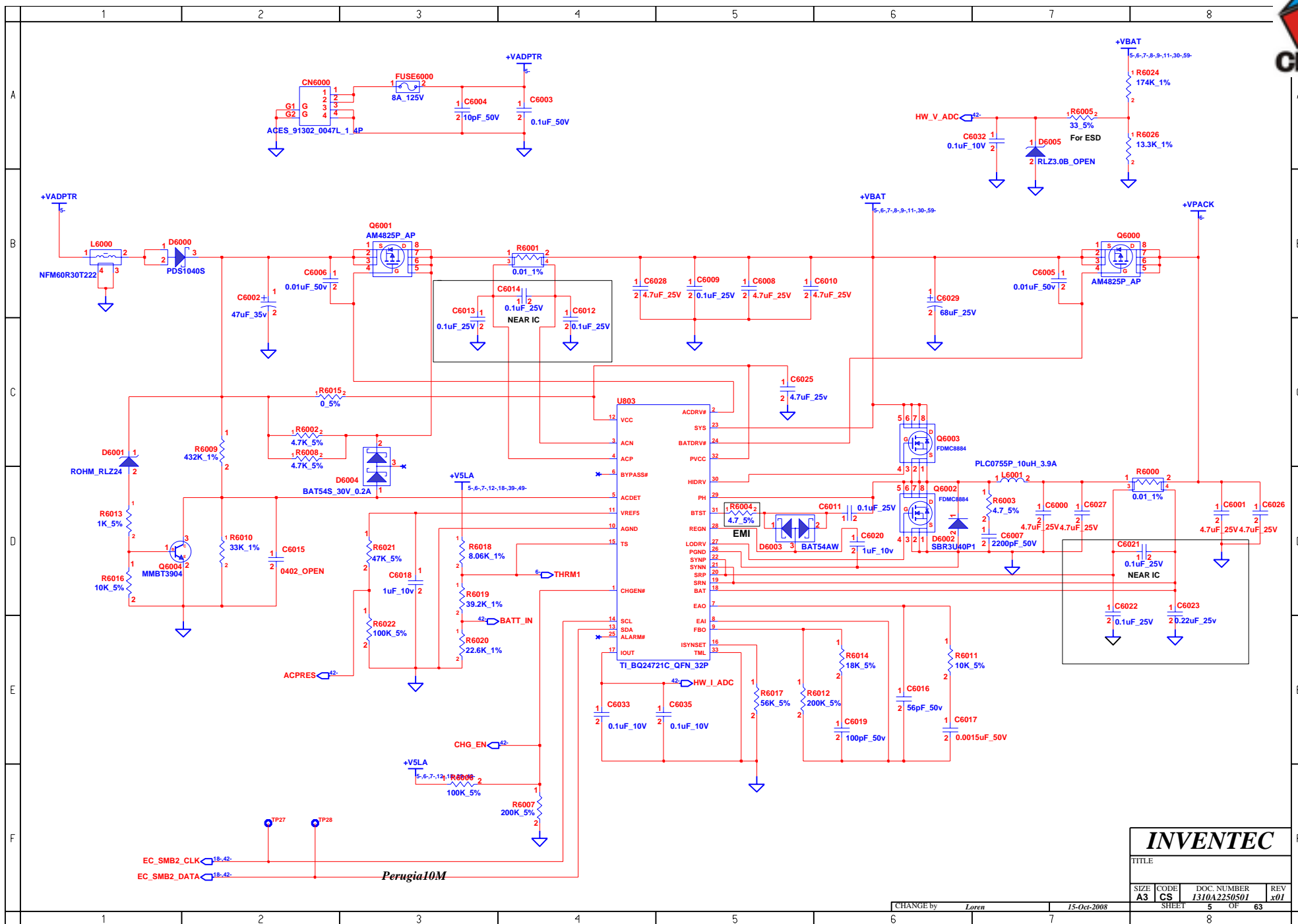
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A3	CS	1310A2250501	x01

CHANGE by *Loren* 24-Mar-2009

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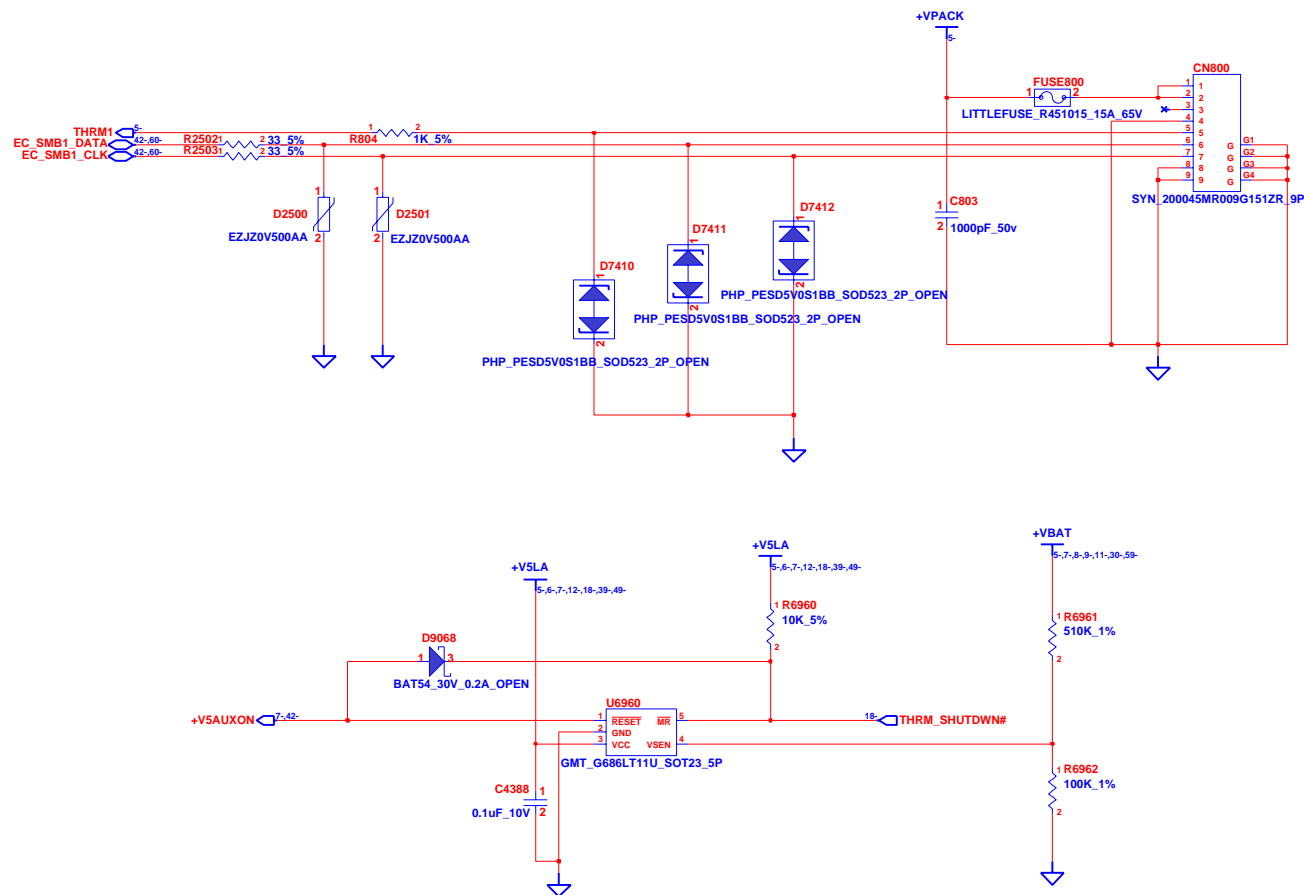


INVENTEC

TITLE

SIZE A3 CODE CS DOC. NUMBER 1310A2250501 REV x01

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TITLE

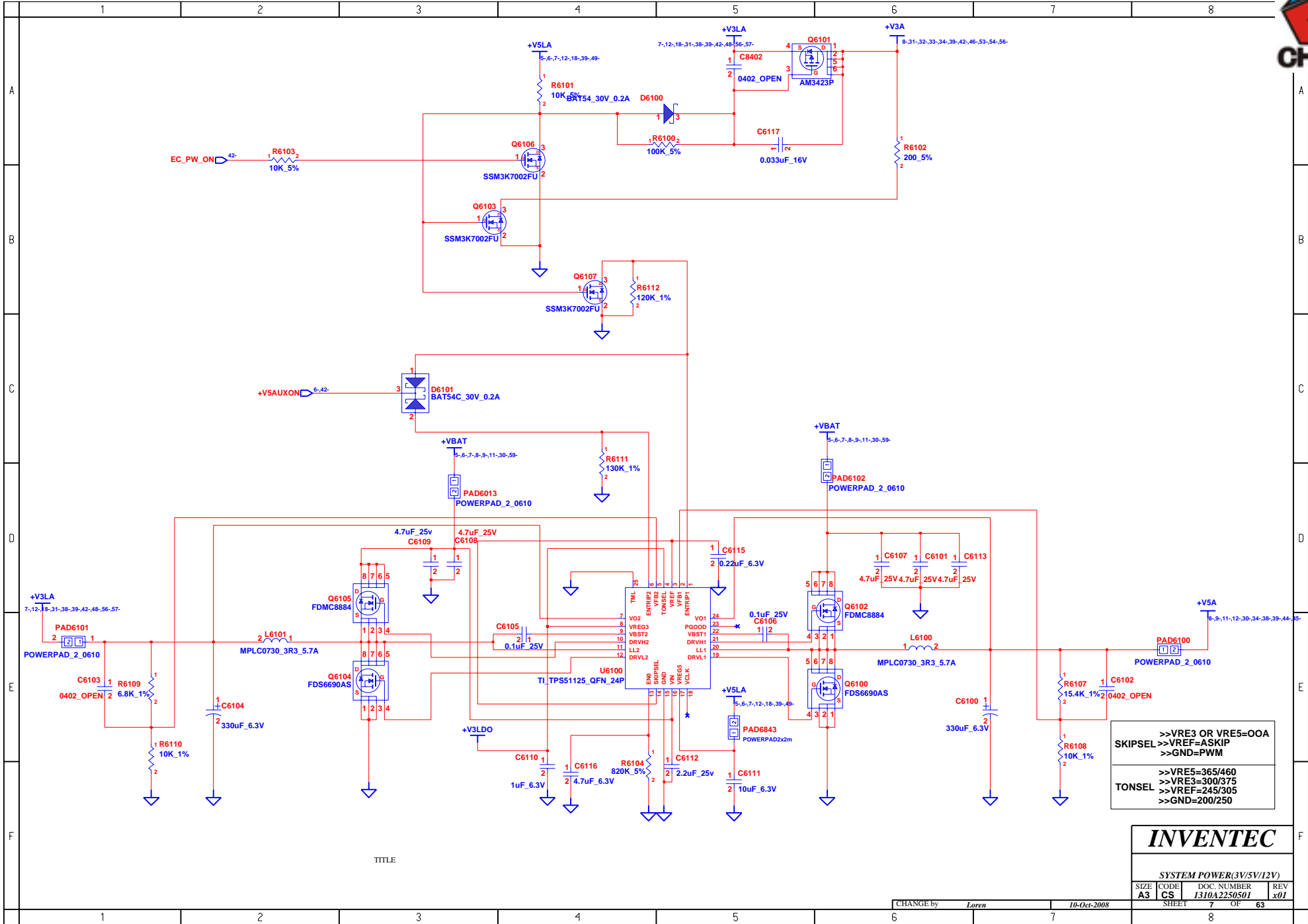
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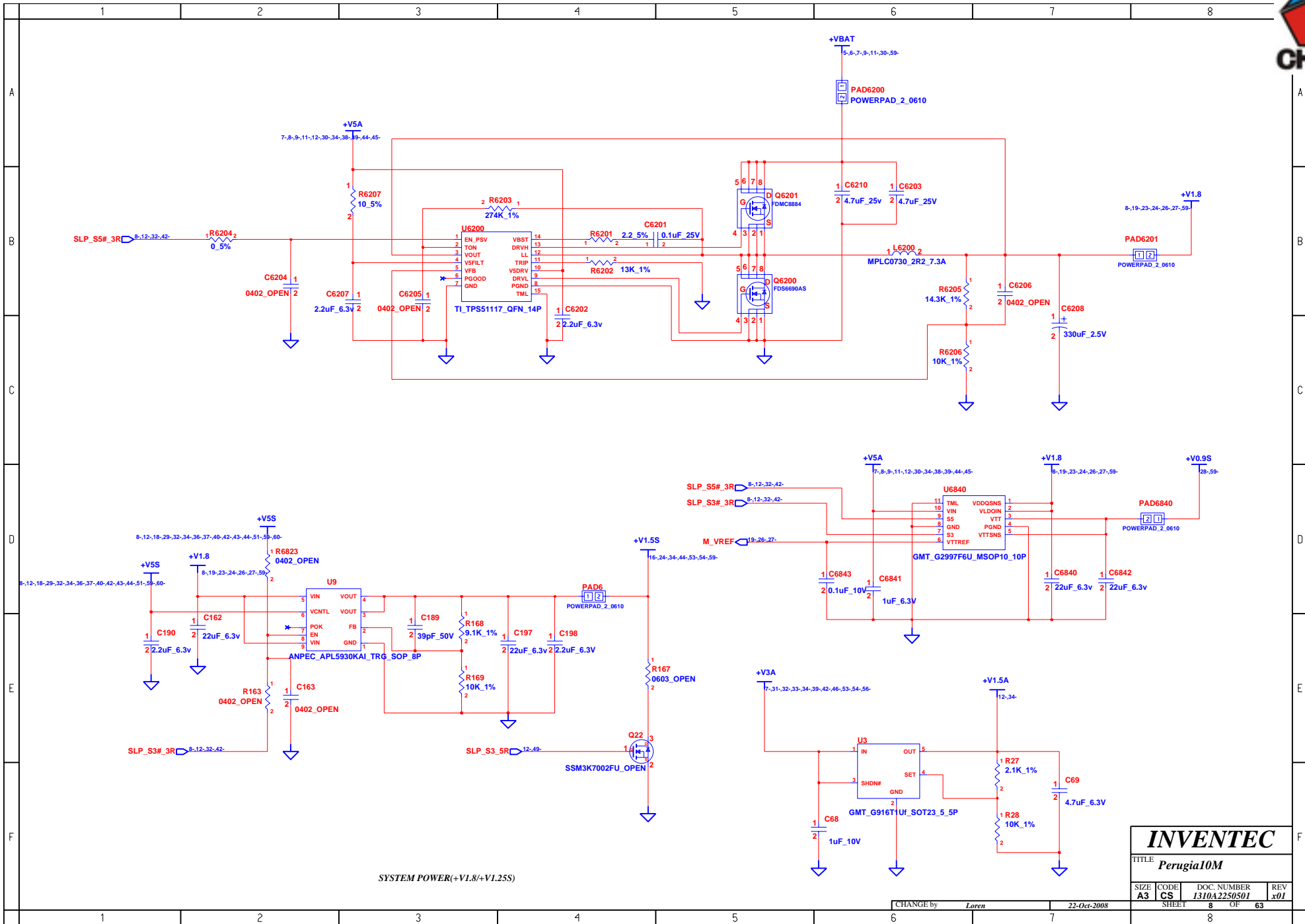
SELECT & BATTERY CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2250501	x01

CHANGE by *Loren* 10-Oct-2008

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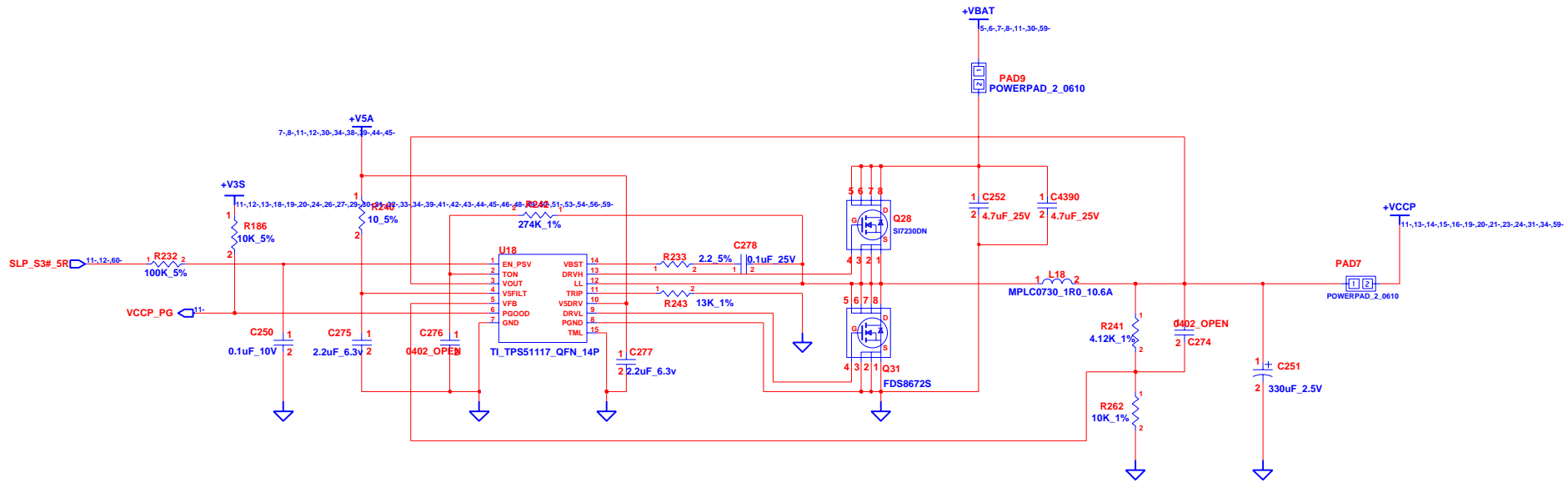
INVENTEC

TITLE
Perugia10M

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2250501	x01

CHANGE by *Loren* 22-Oct-2008

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GRAPHIC POWER (+VGFX_CORE)

INVENTEC			
TITLE Perugia10M			
SIZE A3	CODE CS	DOC. NUMBER I310A2250501	REV x01
CHANGE by Loren		10-Oct-2008	
SHEET 9		OF 63	



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A	<div>BLANK</div>								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

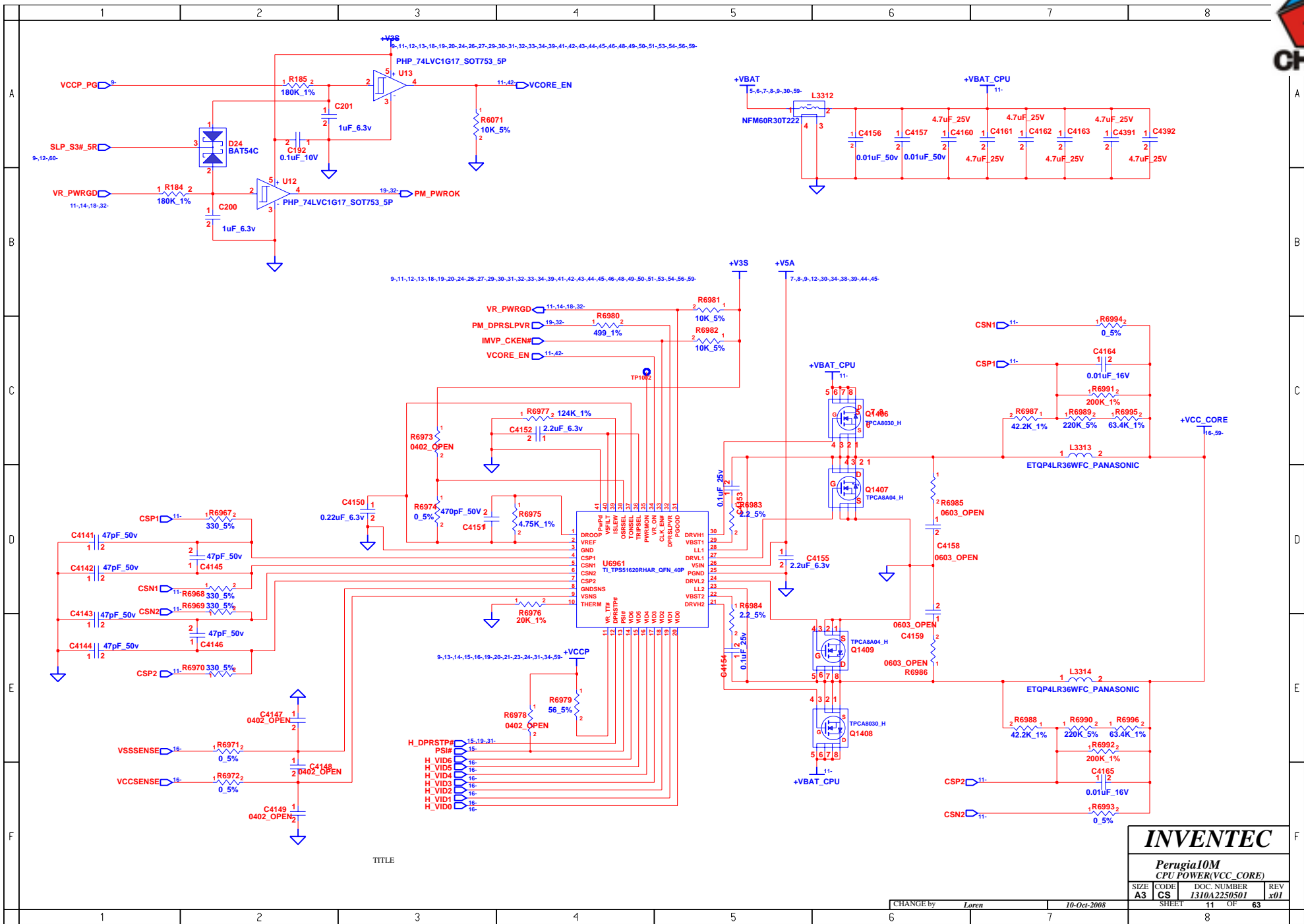
SYSTEM POWER(+VCCP/+V1.5S)

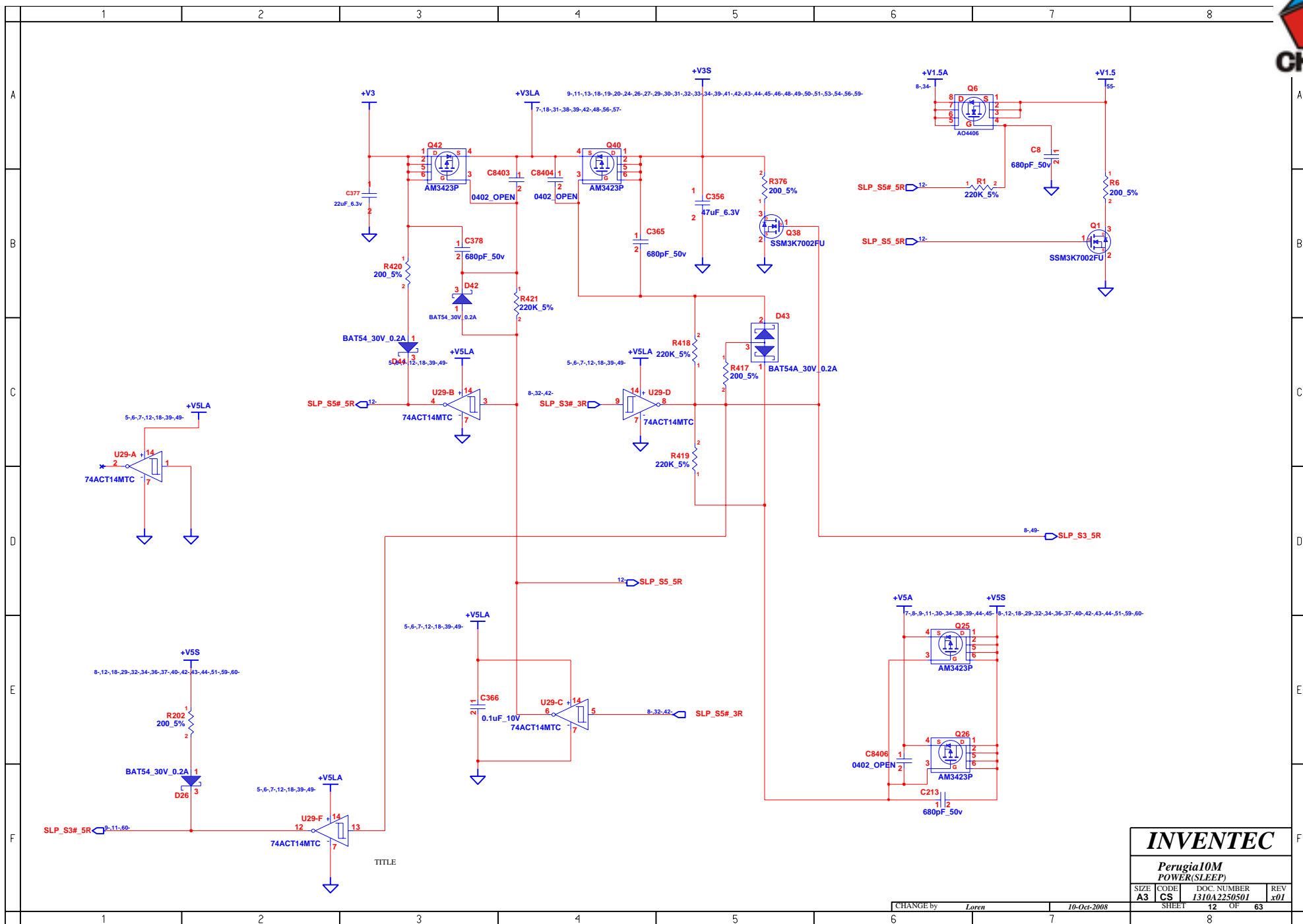
INVENTEC

TITLE
Perugia10M

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01
SHEET		10	OF 63

CHANGE by Loren 10-Oct-2008





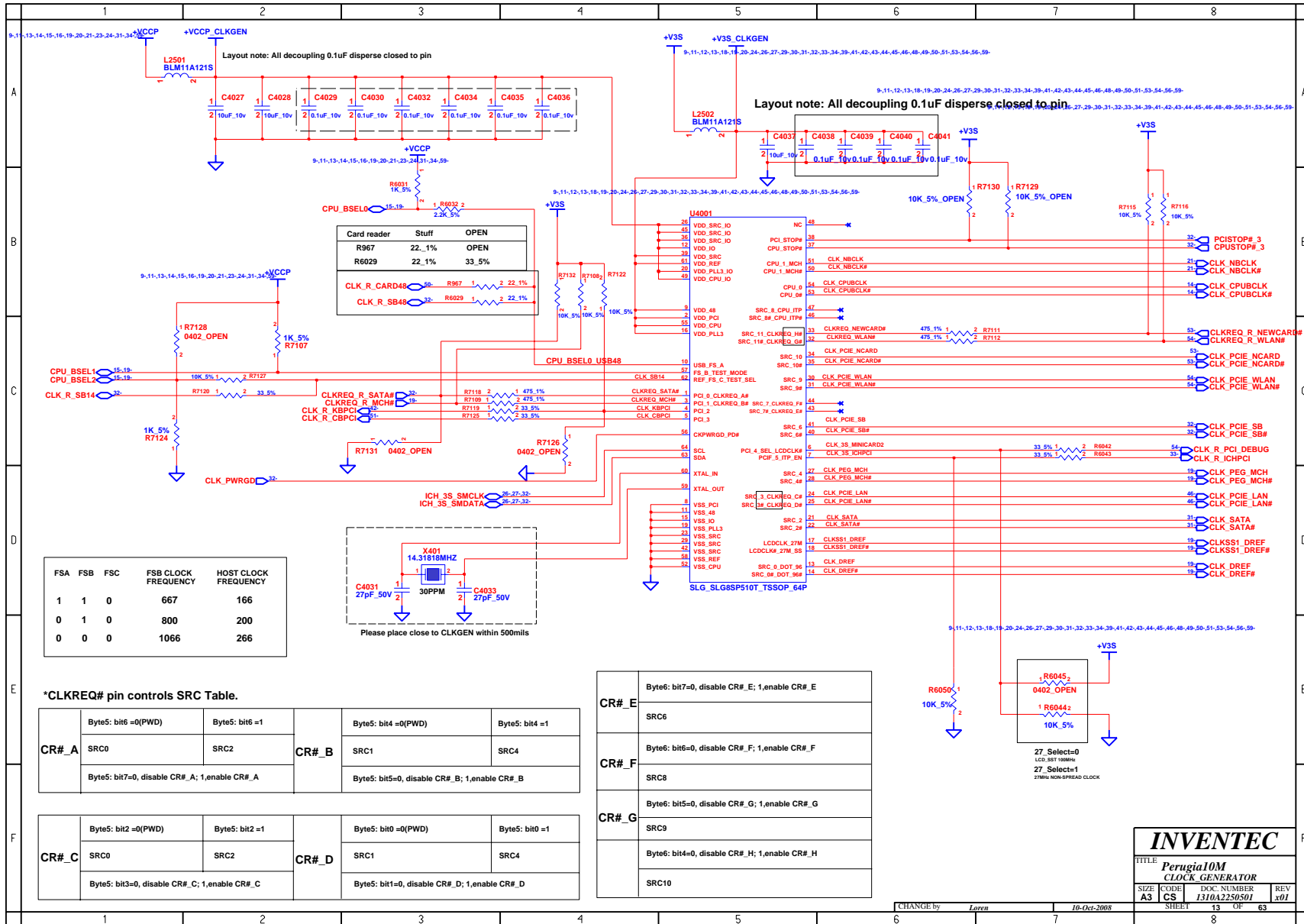
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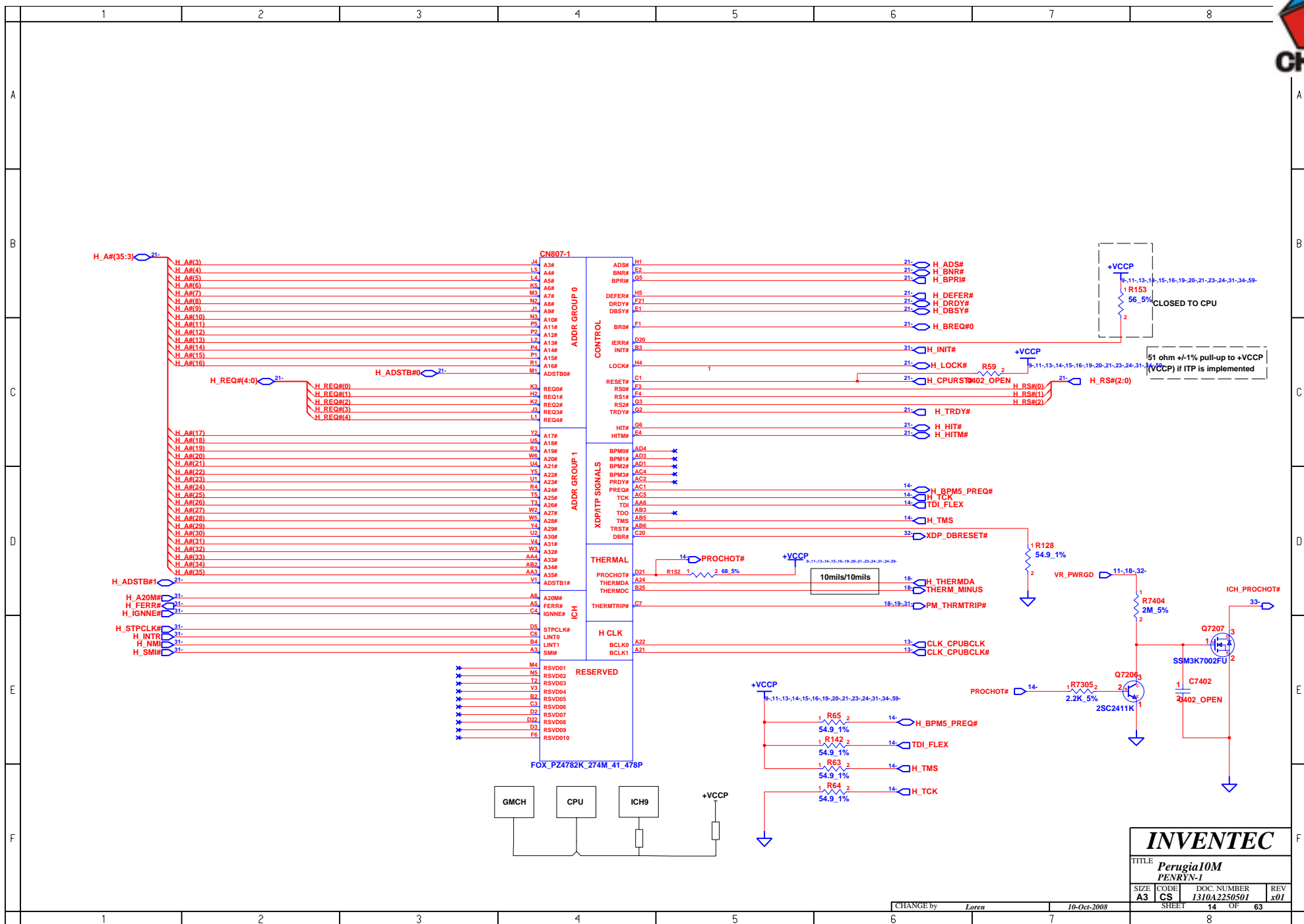
**Perugia10M
POWER(SLEEP)**

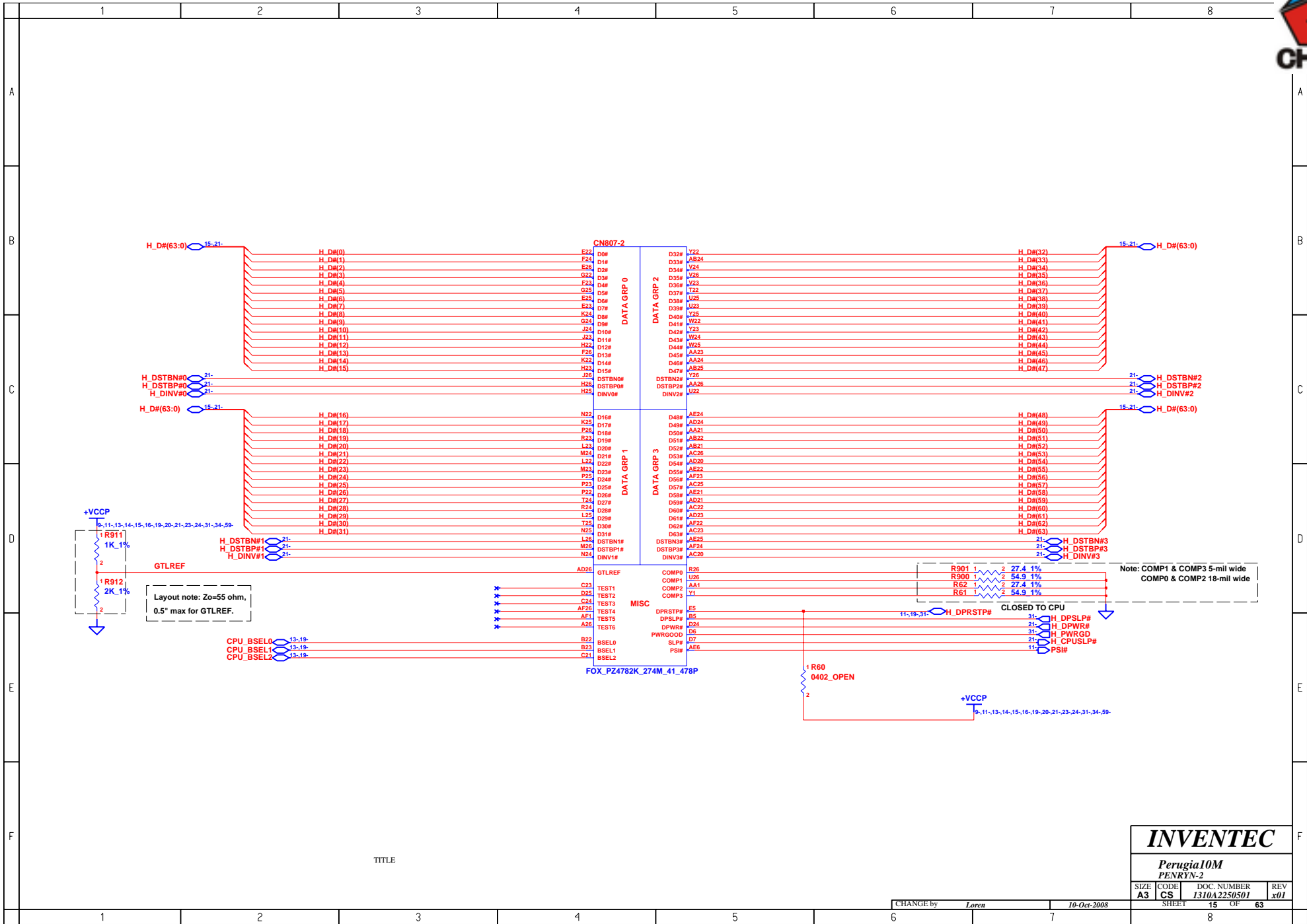
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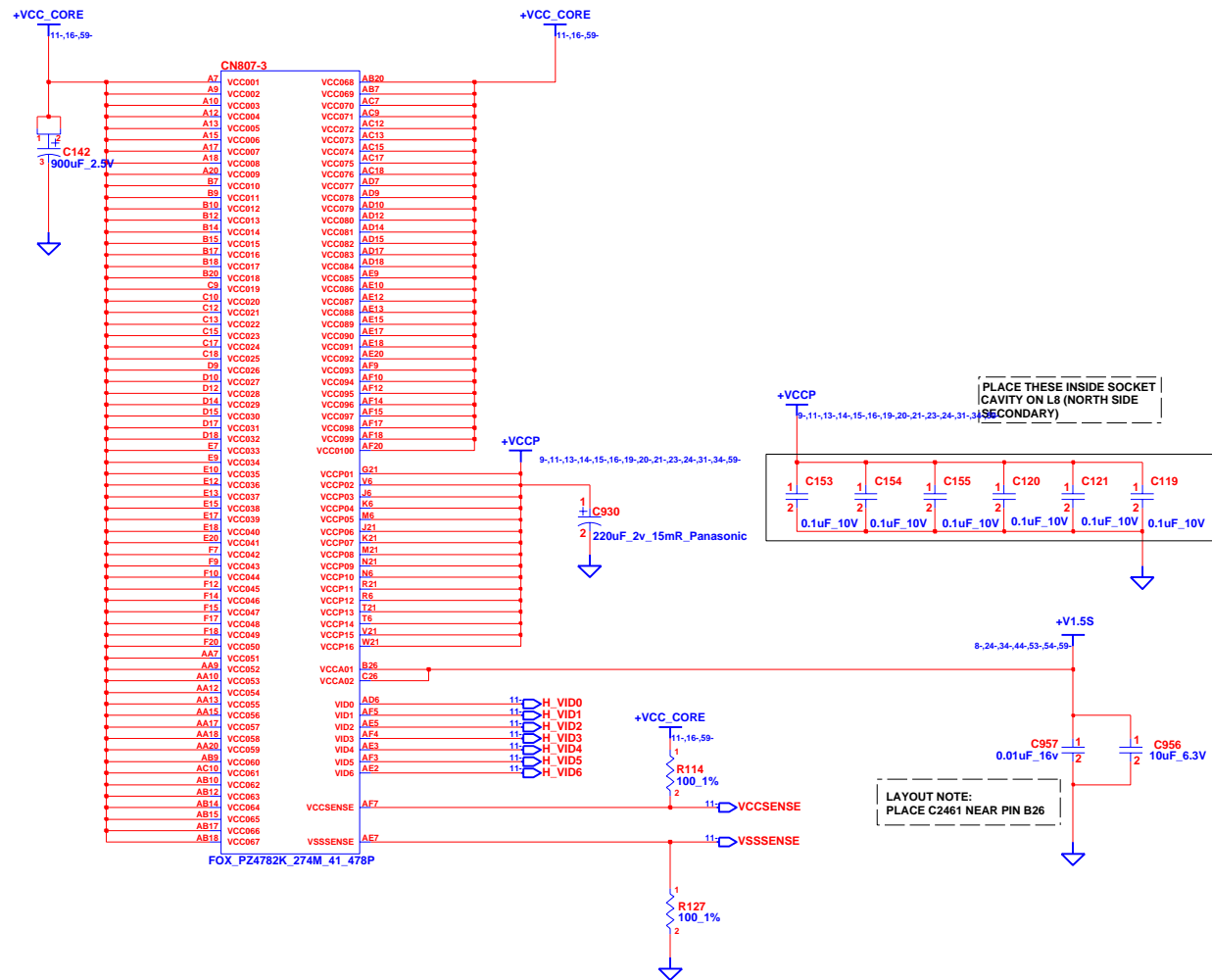
CHANGE by *Loren* 10-Oct-2008

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LAYOUT NOTE:
ROUTE VCCSENSE AND VSSSENSE TRACE AT
24.7 OHM WITH 50 MIL SPACING
PLACE PU AND PD WITHIN 1 INCH OF CPU

LAYOUT NOTE:
PLACE C2461 NEAR PIN B26

INVENTEC

Perugia10M
PENRYN-3

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2250501	x01

CHANGE by *Loren* 10-Oct-2008

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TITLE



	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F

CN807-4

A4

VSS001

A8

VSS002

A11

VSS003

A14

VSS004

A16

VSS005

A19

VSS006

A23

VSS007

AF2

VSS008

B6

VSS009

B8

VSS010

B11

VSS011

B13

VSS012

B16

VSS013

B19

VSS014

B21

VSS015

B24

VSS016

C5

VSS017

C8

VSS018

C11

VSS019

C14

VSS020

C16

VSS021

C19

VSS022

C2

VSS023

C22

VSS024

C25

VSS025

D1

VSS026

D4

VSS027

D8

VSS028

D11

VSS029

D13

VSS030

D16

VSS031

D19

VSS032

D23

VSS033

D26

VSS034

E3

VSS035

E6

VSS036

E8

VSS037

E11

VSS038

E14

VSS039

E16

VSS040

E19

VSS041

E21

VSS042

E24

VSS043

F5

VSS044

F8

VSS045

F11

VSS046

F13

VSS047

F16

VSS048

F19

VSS049

F2

VSS050

F22

VSS051

F25

VSS052

G4

VSS053

G1

VSS054

G23

VSS055

G26

VSS056

H3

VSS057

H6

VSS058

H21

VSS059

H24

VSS060

J4

VSS061

J5

VSS062

J22

VSS063

J25

VSS064

K1

VSS065

K4

VSS066

K23

VSS067

K26

VSS068

L3

VSS069

L6

VSS070

L21

VSS071

L24

VSS072

M2

VSS073

M5

VSS074

M22

VSS075

M25

VSS076

N1

VSS077

N4

VSS078

N23

VSS079

N26

VSS080

P3

VSS081

P6

VSS082

P21

VSS083

P24

VSS084

R2

VSS085

R5

VSS086

R22

VSS087

R25

VSS088

T1

VSS089

T4

VSS090

T23

VSS091

T26

VSS092

U3

VSS093

U6

VSS094

U21

VSS095

U24

VSS096

V2

VSS097

V5

VSS098

V22

VSS099

V25

VSS100

W1

VSS101

W4

VSS102

W23

VSS103

W26

VSS104

Y3

VSS105

Y6

VSS106

Y21

VSS107

Y24

VSS108

AA2

VSS109

AA5

VSS110

AA8

VSS111

AA11

VSS112

AA14

VSS113

AA16

VSS114

AA19

VSS115

AA22

VSS116

AA25

VSS117

AB1

VSS118

AB4

VSS119

AB8

VSS120

AB11

VSS121

AB13

VSS122

AB16

VSS123

AB18

VSS124

AB23

VSS125

AB26

VSS126

AC3

VSS127

AC6

VSS128

AC8

VSS129

AC11

VSS130

AC14

VSS131

AC16

VSS132

AC19

VSS133

AC21

VSS134

AC24

VSS135

AD2

VSS136

AD5

VSS137

AD8

VSS138

AD11

VSS139

AD13

VSS140

AD16

VSS141

AD19

VSS142

AD22

VSS143

AD25

VSS144

AE1

VSS145

AE4

VSS146

AE8

VSS147

AE11

VSS148

AE14

VSS149

AE16

VSS150

AE19

VSS151

AE23

VSS152

AE26

VSS153

A2

VSS154

AF6

VSS155

AF8

VSS156

AF11

VSS157

AF13

VSS158

AF16

VSS159

AF19

VSS160

AF21

VSS161

A25

VSS162

AF25

VSS163

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TITLE

INVENTEC

Perugia10M
PENRYN-4

SIZE
A3

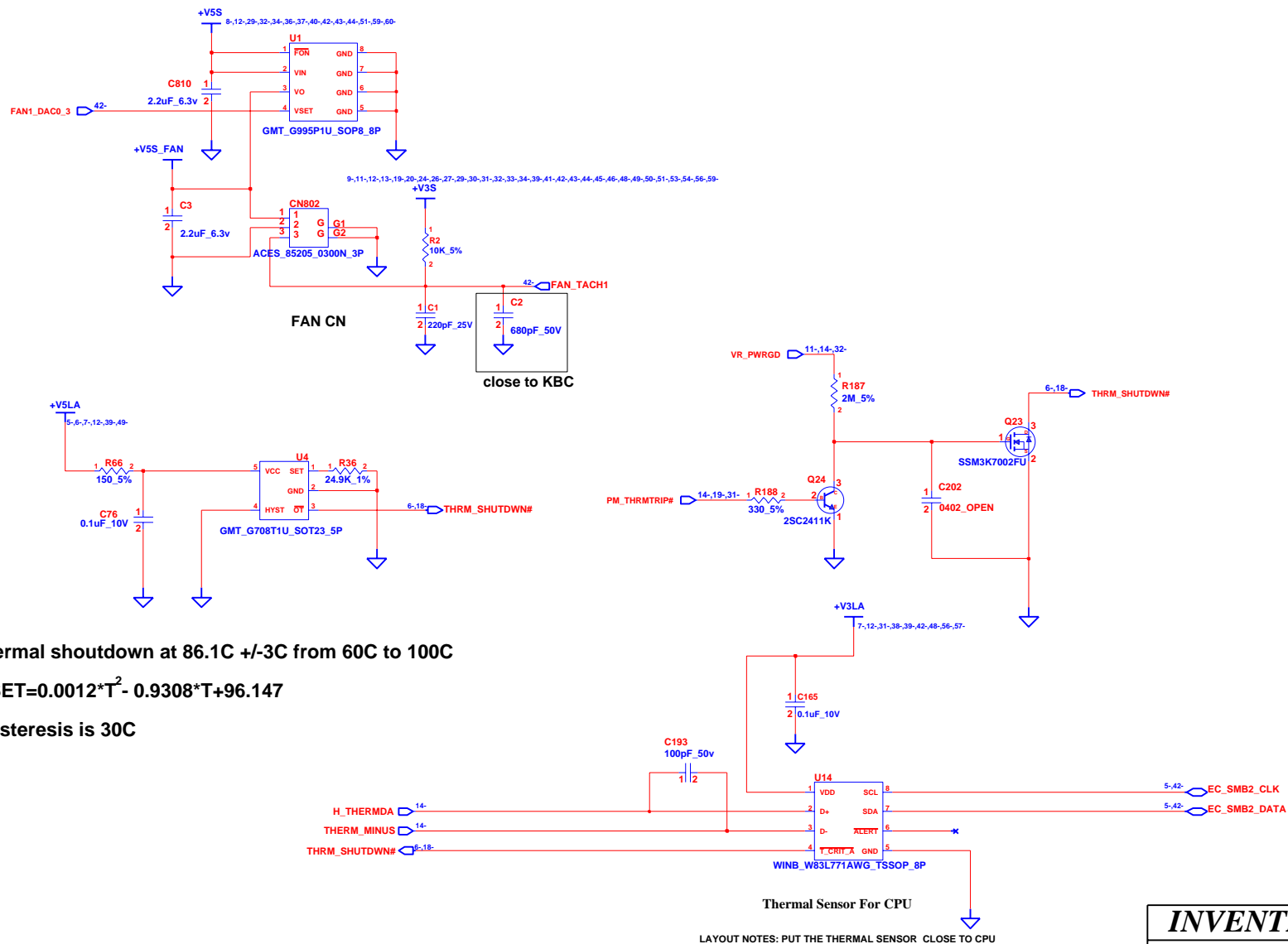
CODE
CS

DOC. NUMBER
1310A2250501

REV
x01

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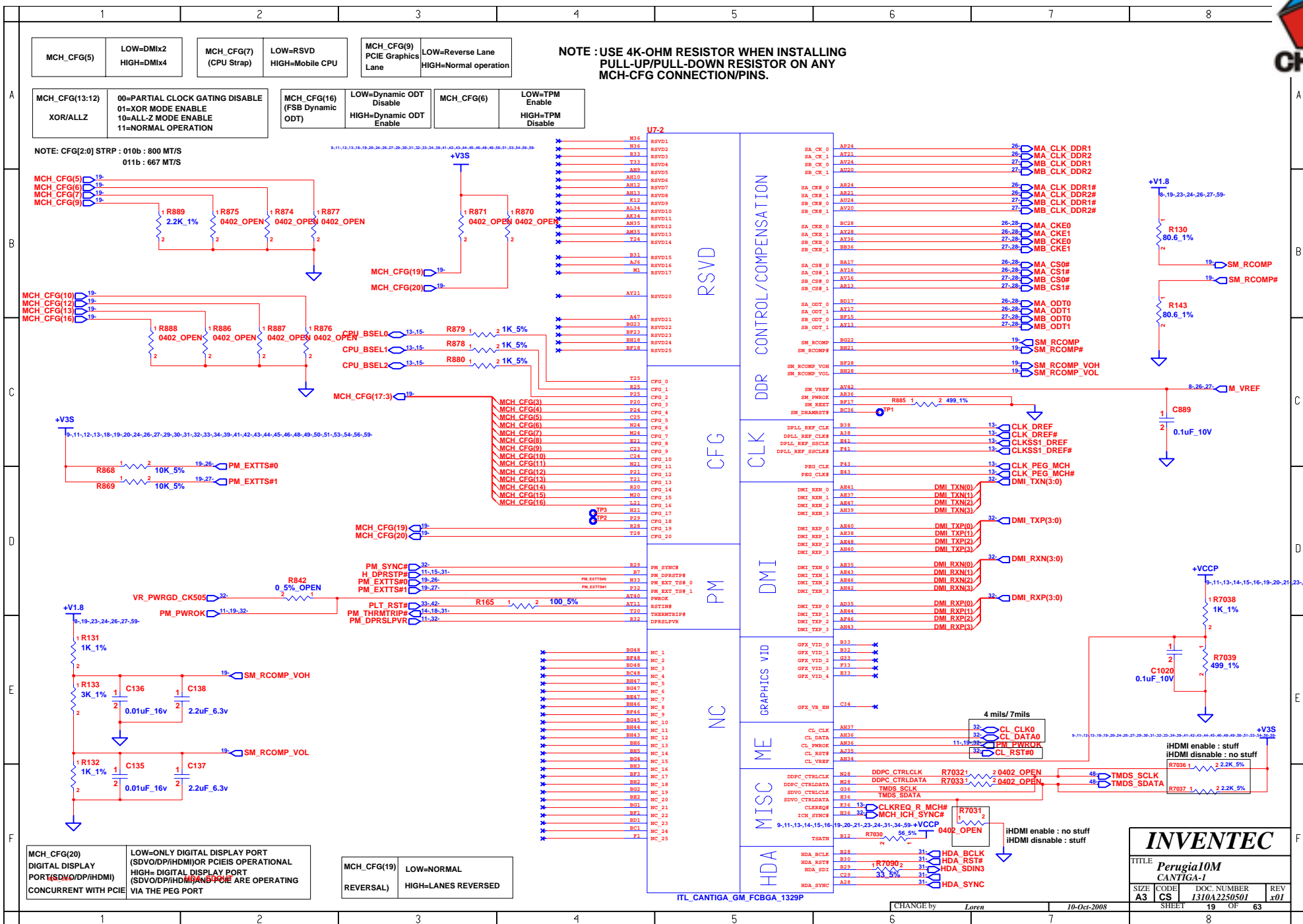
CHANGE by Loren 10-Oct-2008

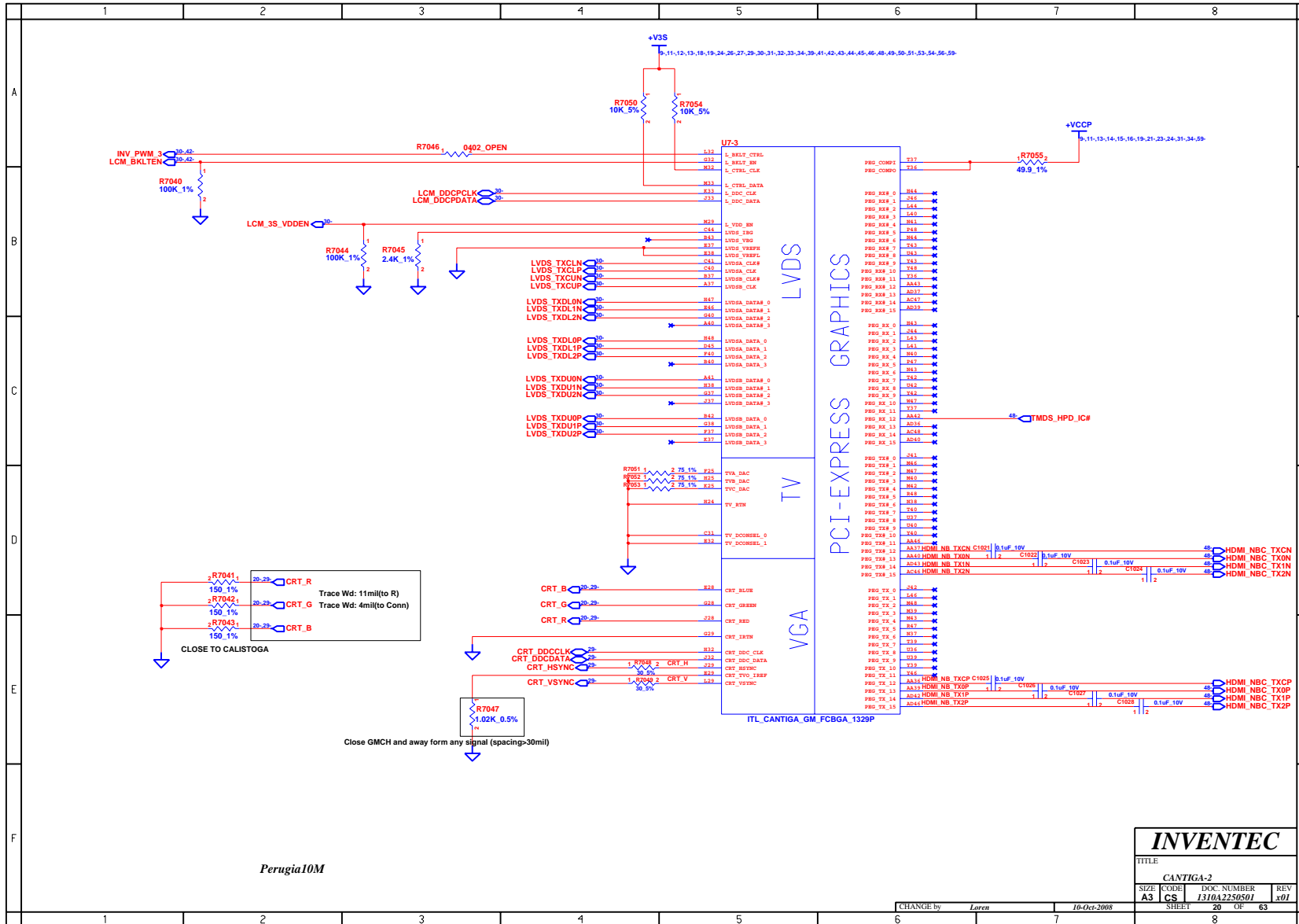


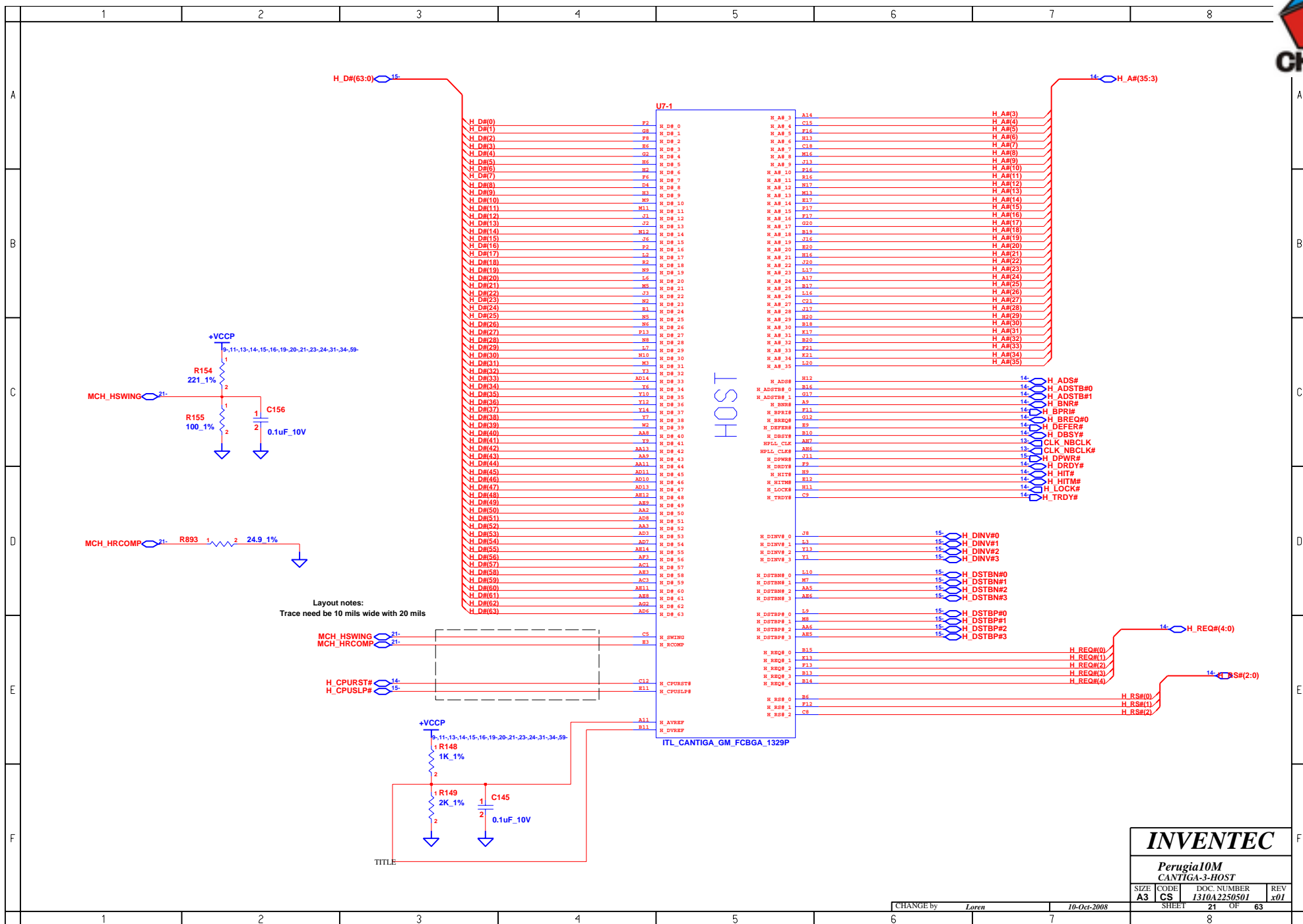
INVENTEC			
Perugia10M THERMAL&FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2250501	x01

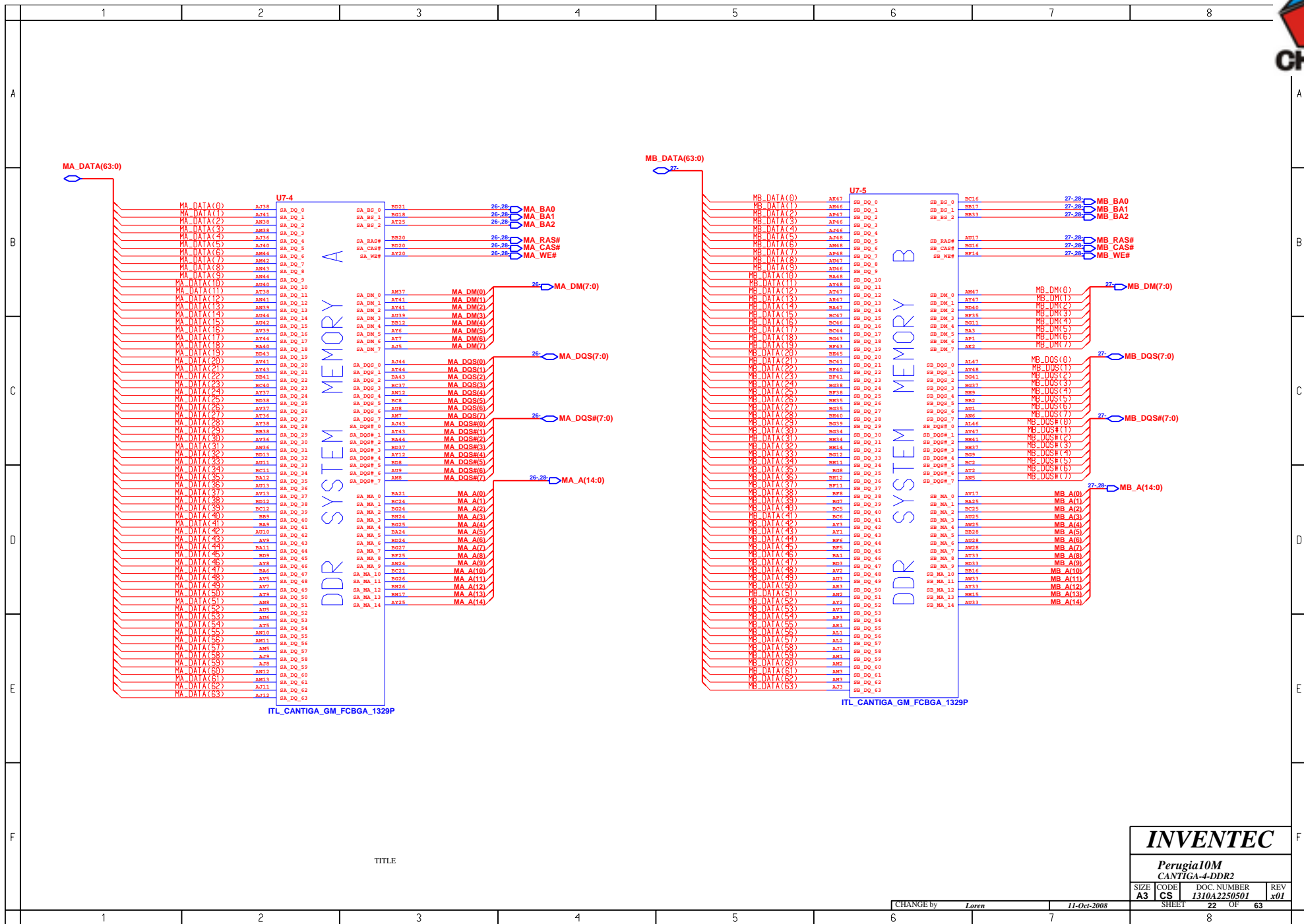
CHANGE by Loren 10-Oct-2008

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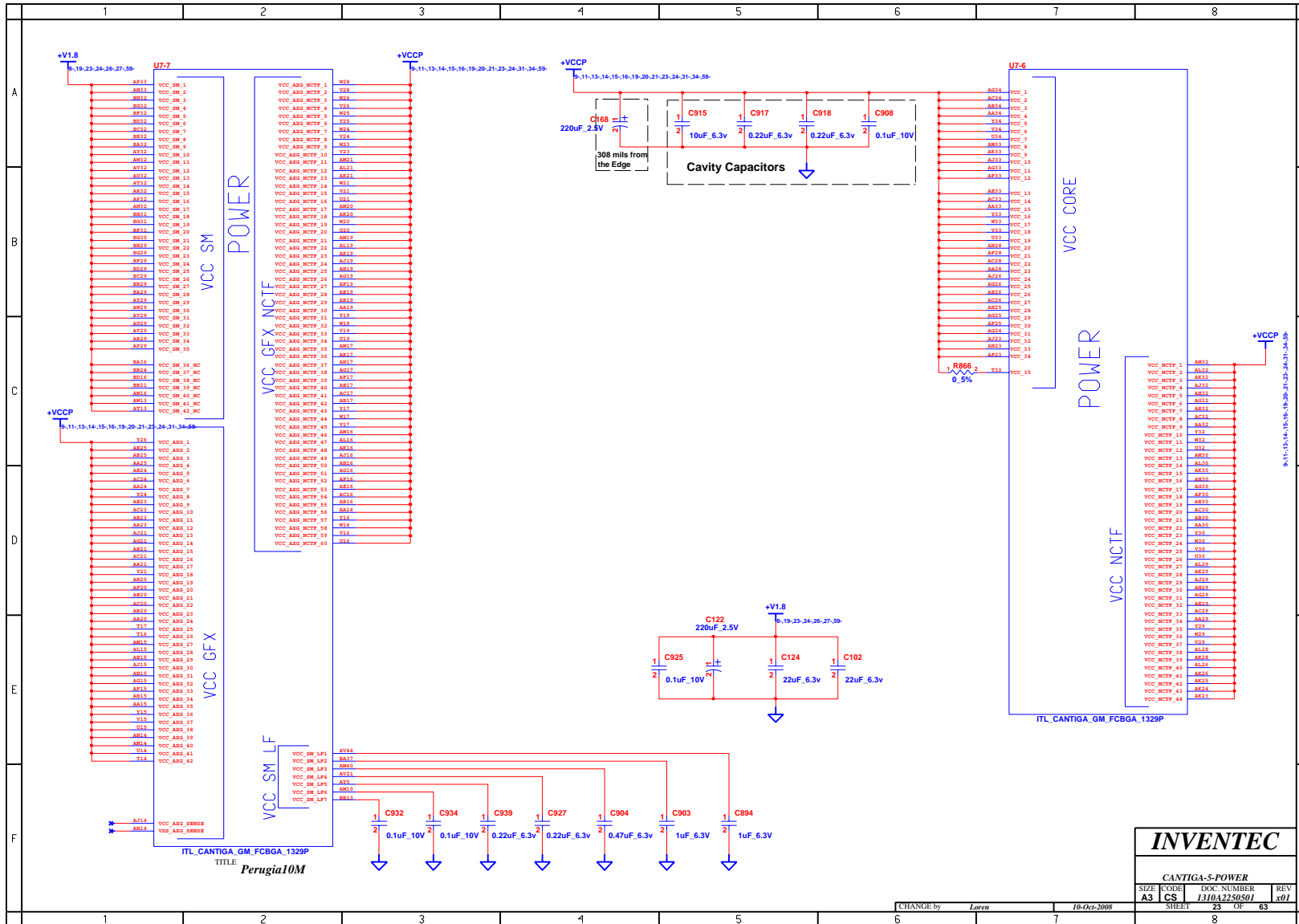
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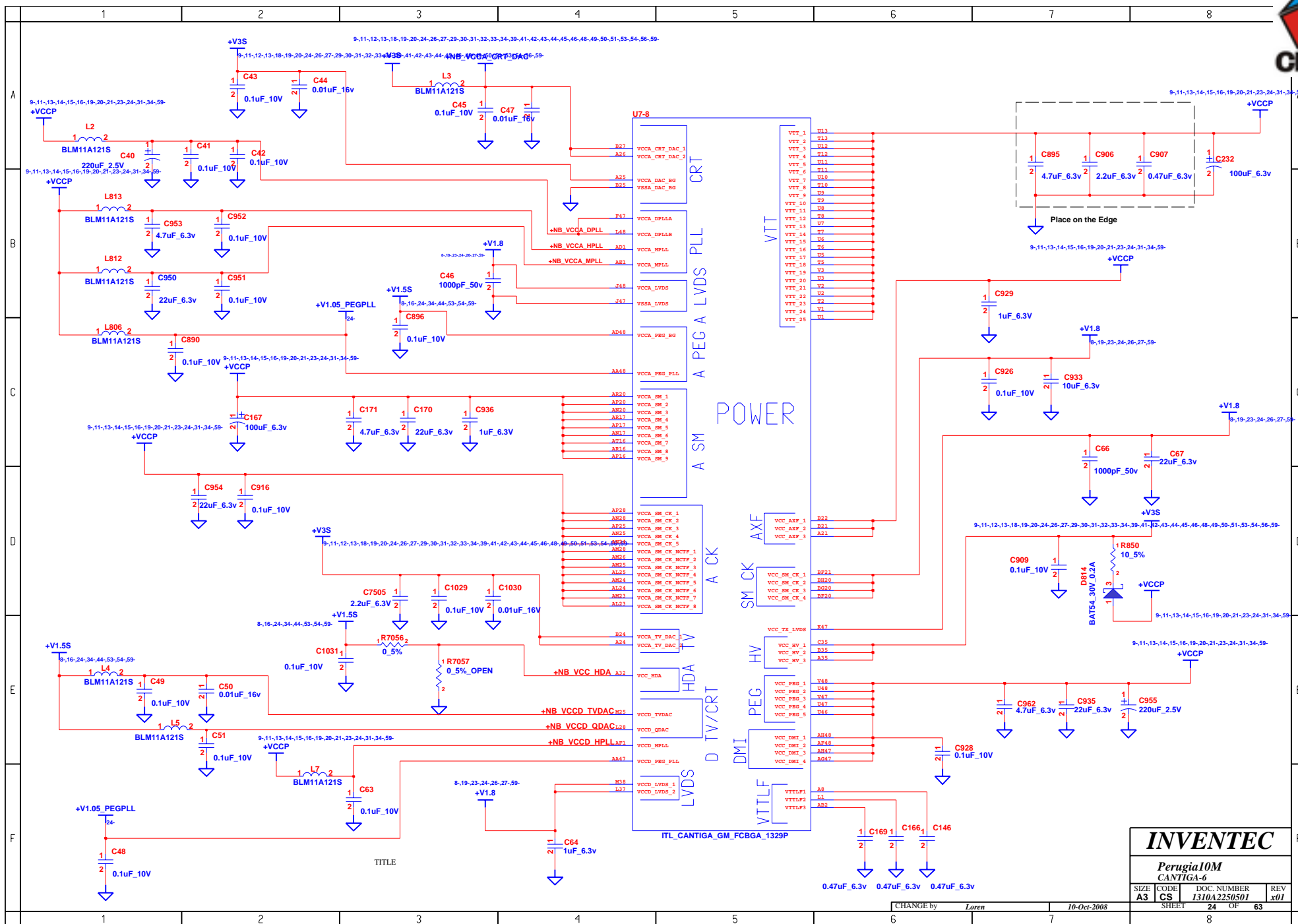
Perugia10M
CANTIGA-4-DDR2

SIZE A3	CODE CS	DOC. NUMBER 1310A2250501	REV x01
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CHANGE by: Loren 11-Oct-2008

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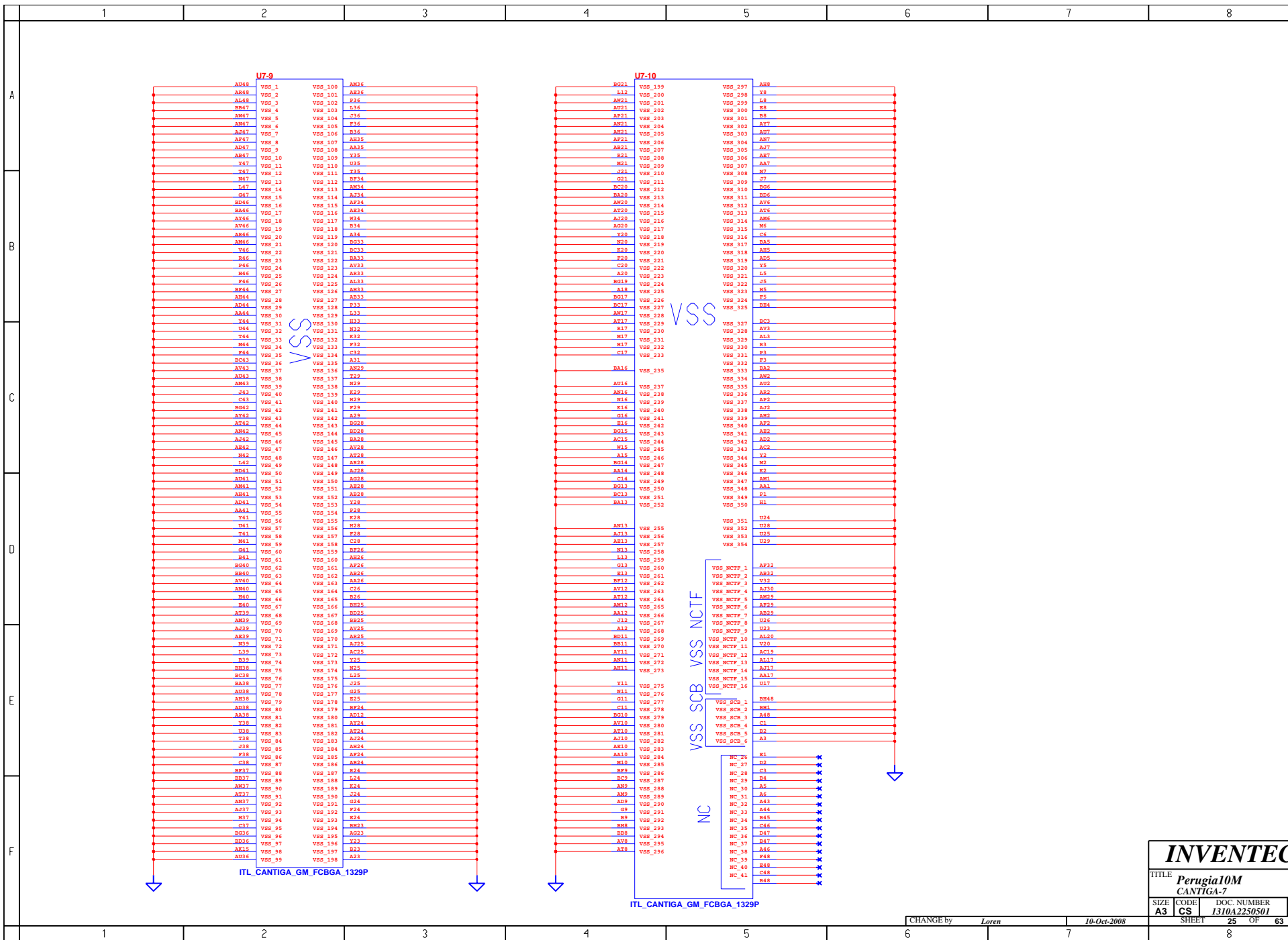
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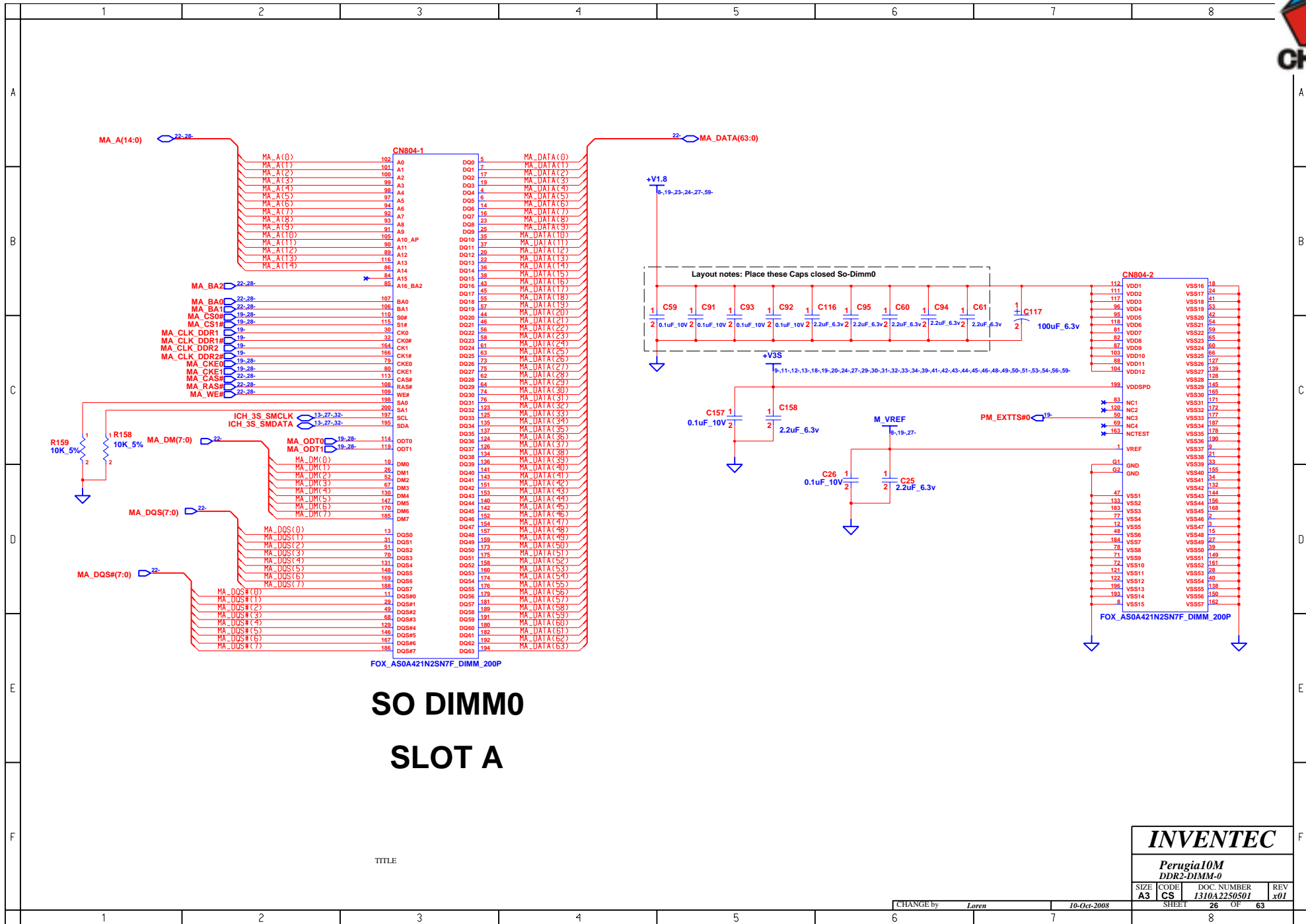
Perugia10M
CANTIGA-6

SIZE	CODE	DOC. NUMBER	REV
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CHANGE by Loren 10-Oct-2008





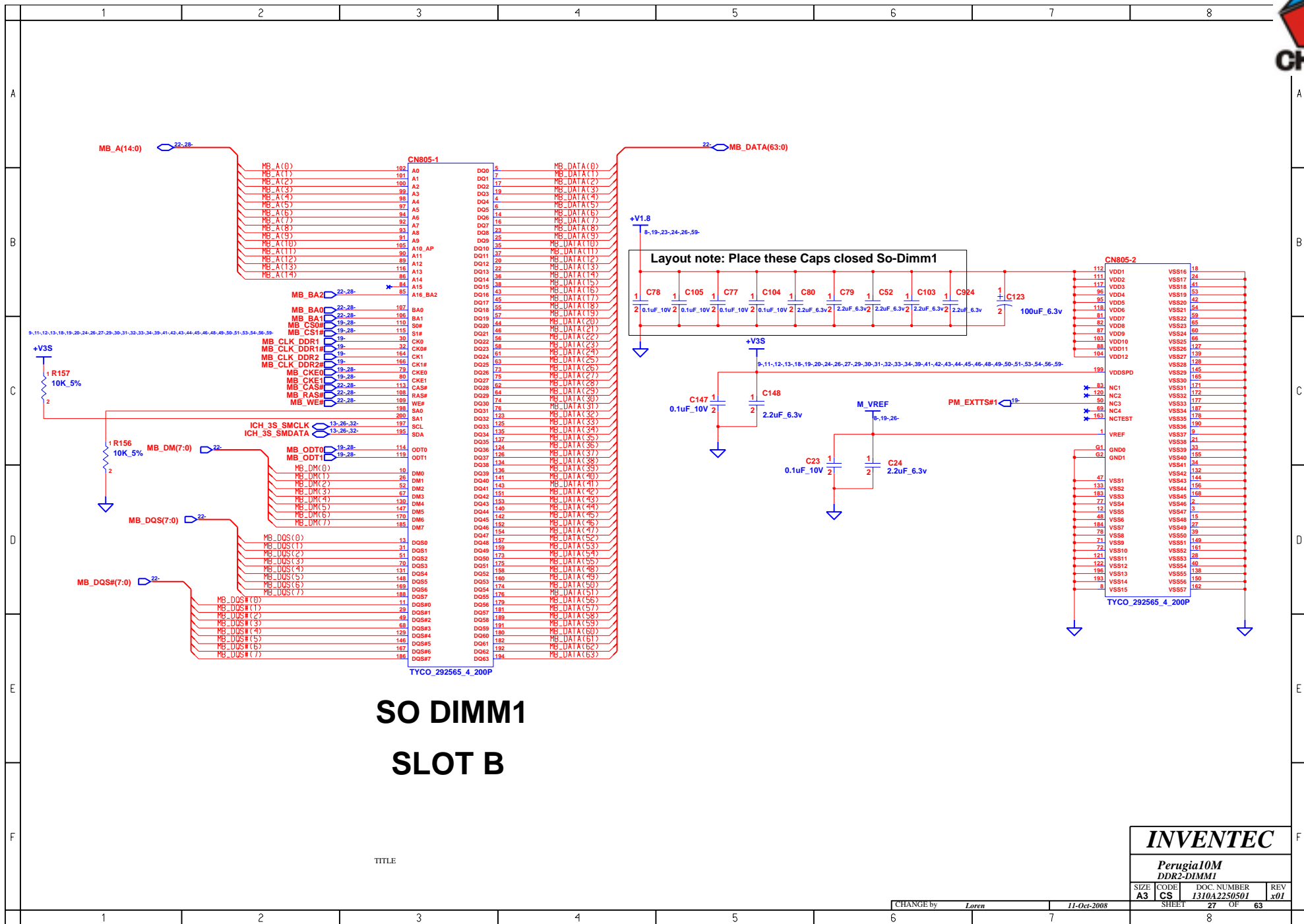
INVENTEC

Perugia10M
DDR2-DIMM-0

SIZE	CODE	DOC. NUMBER	REV
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CHANGE by Loren 10-Oct-2008

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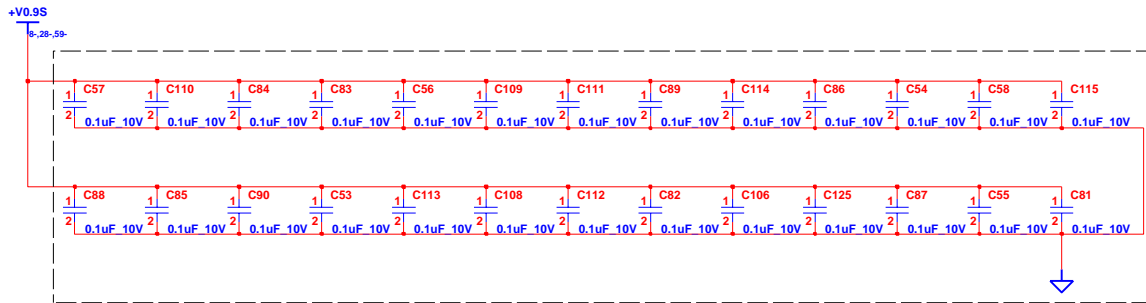
INVENTEC

**Perugia10M
DDR2-DIMM1**

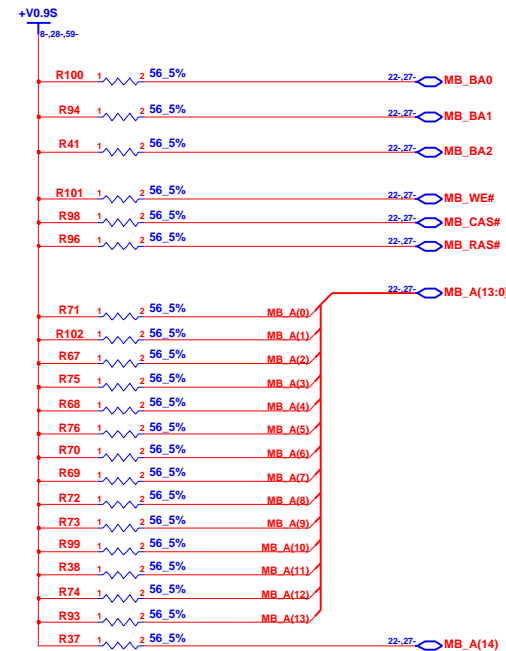
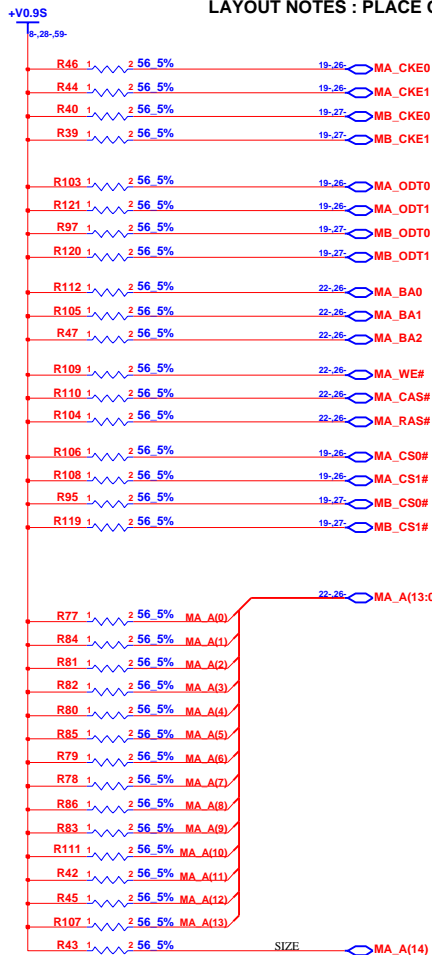
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CHANGE by	DATE	DESCRIPTION
Loren	11-Oct-2008	

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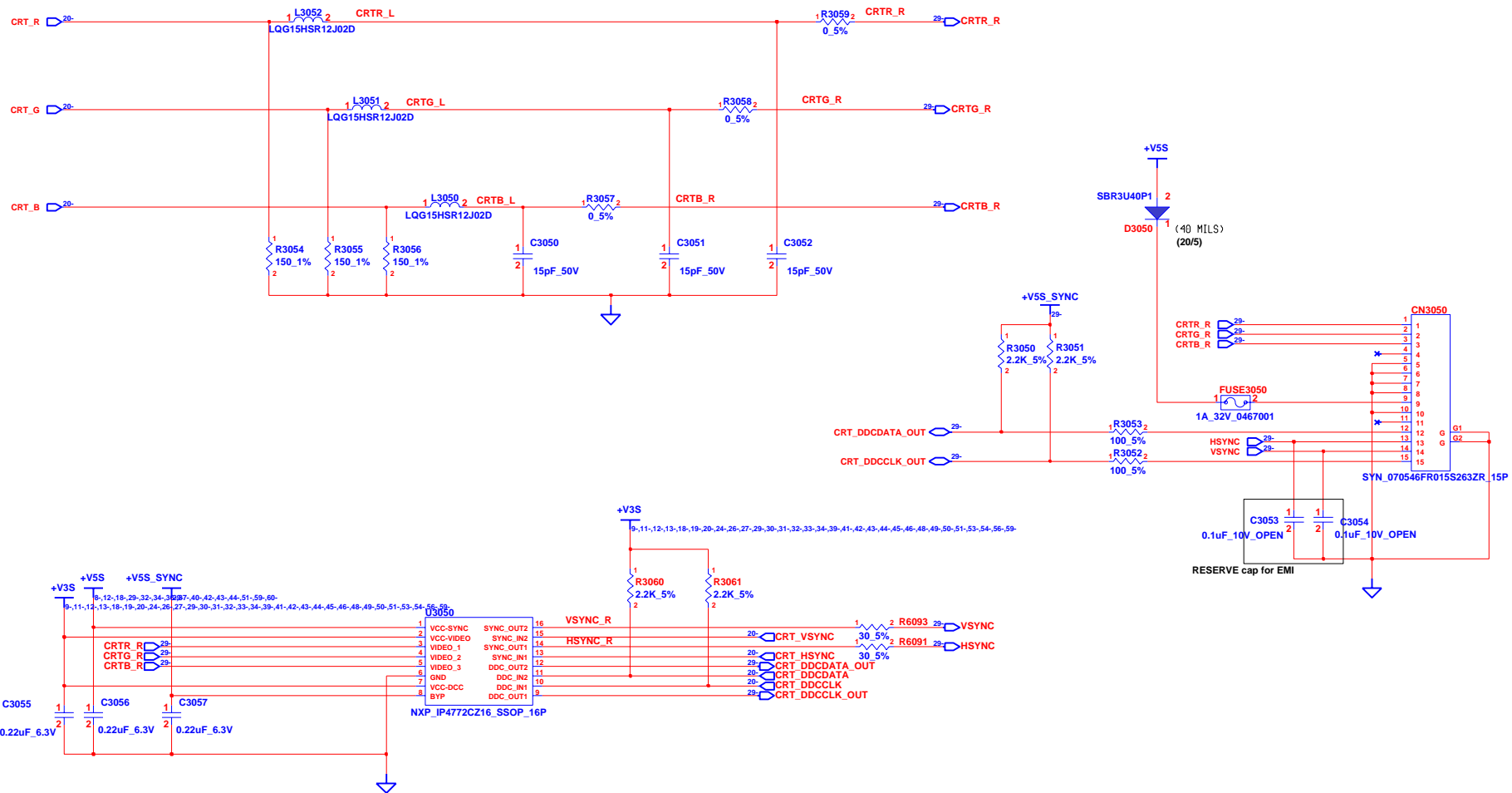


LAYOUT NOTES : PLACE ONE CAP CLOSE TO EVERY 2 PULL UP RESISTOR TERMINATED TO +V0.9S



INVENTEC			
TITLE Perugia10M DDR2-DAMPING			
A3	CODE CS	DOC. NUMBER 1310A2250501	REV x01
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CHANGE by Loren 27-Sep-2003



TITLE

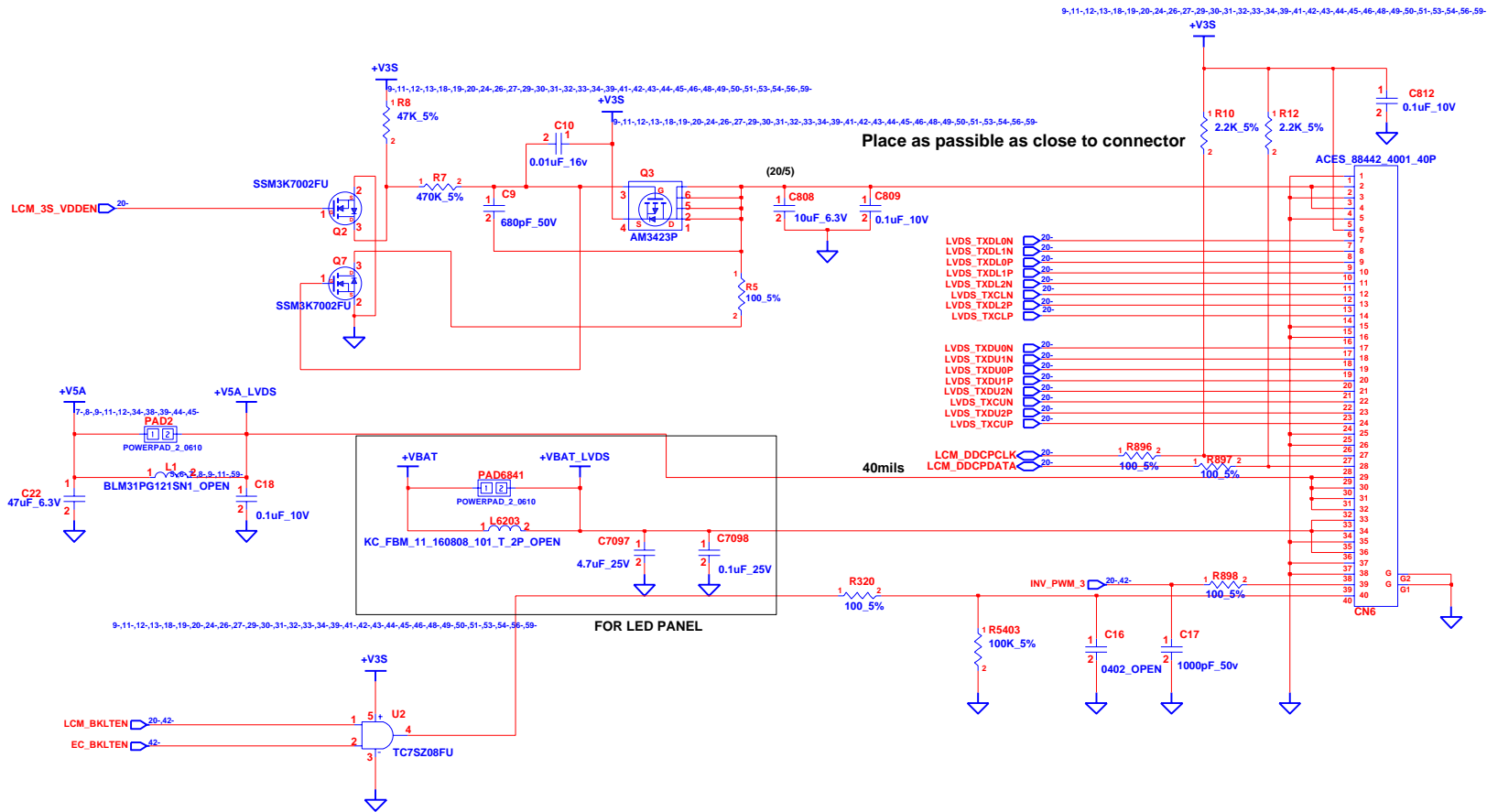
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Perugia10M
CRT CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01

CHANGE by *Loren* 10-Oct-2008

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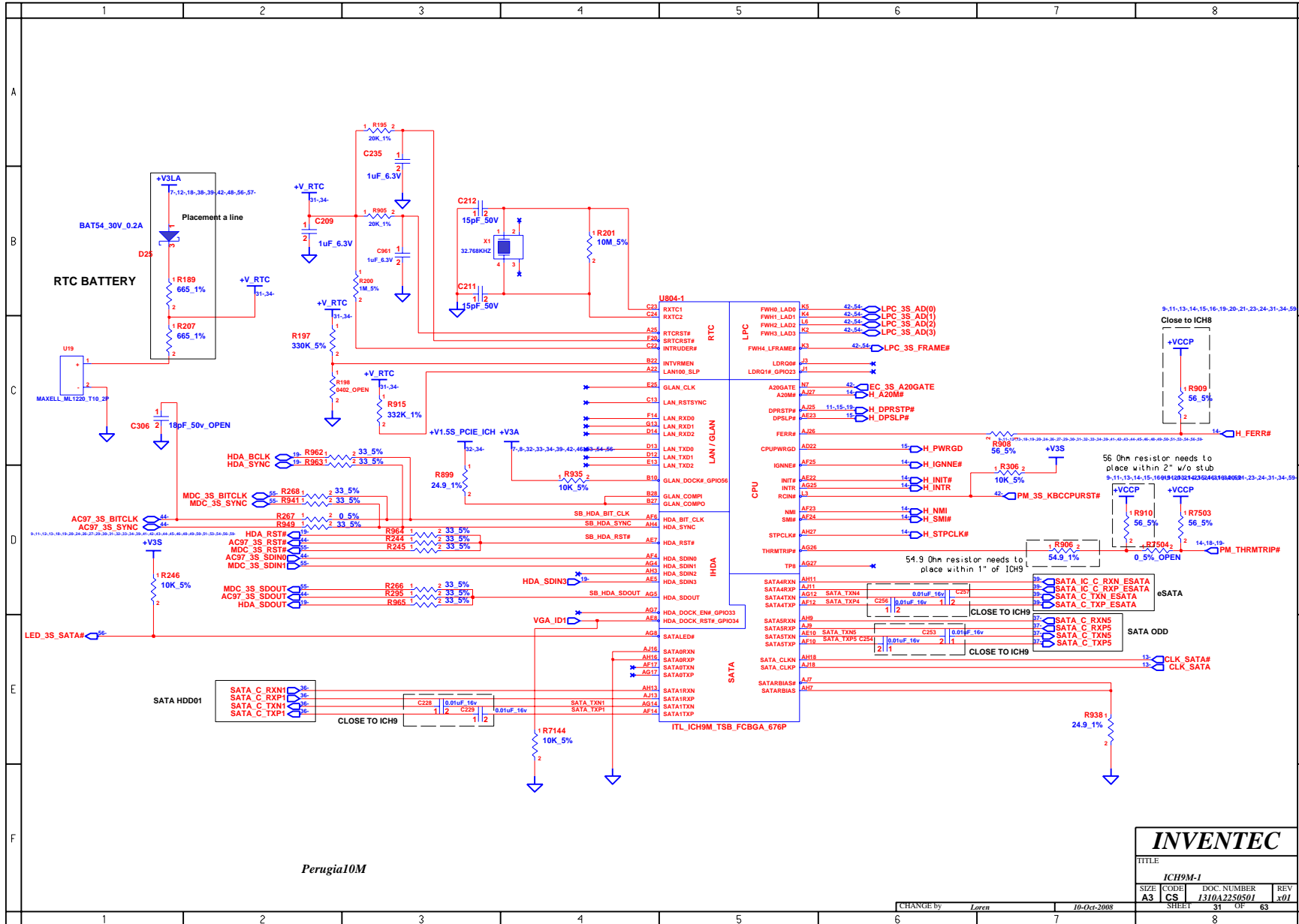
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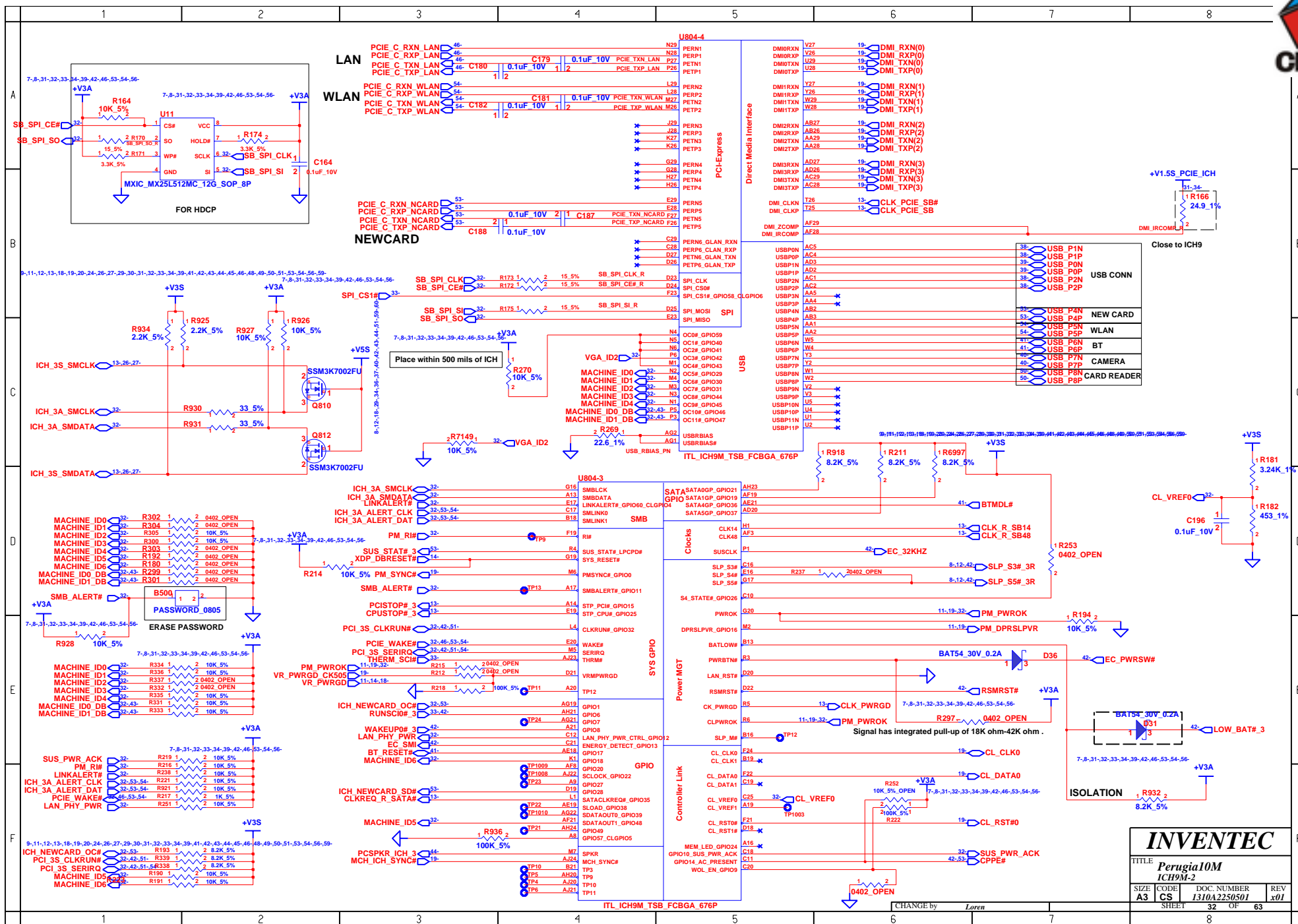
Perugia10M
LCD CONN

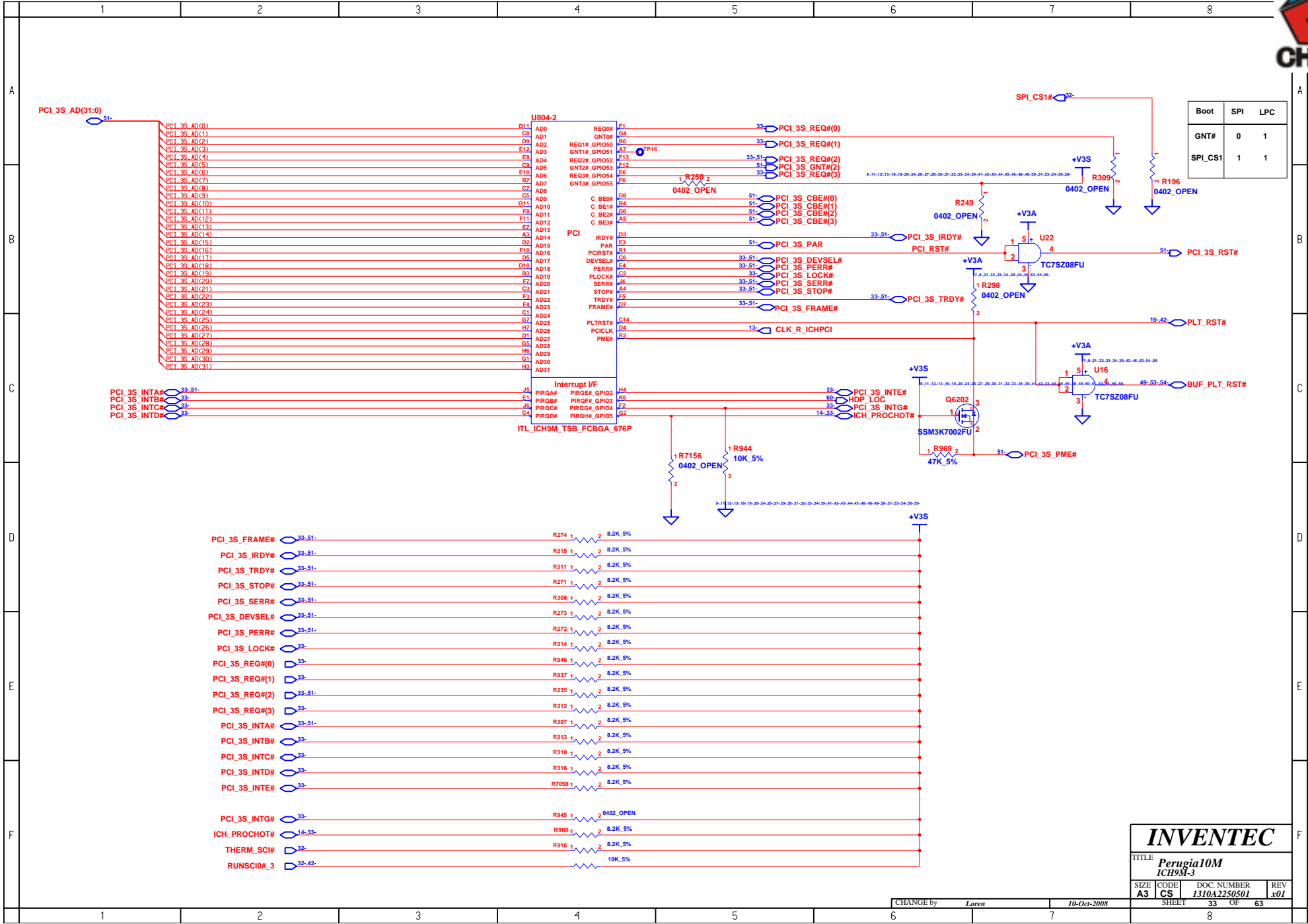
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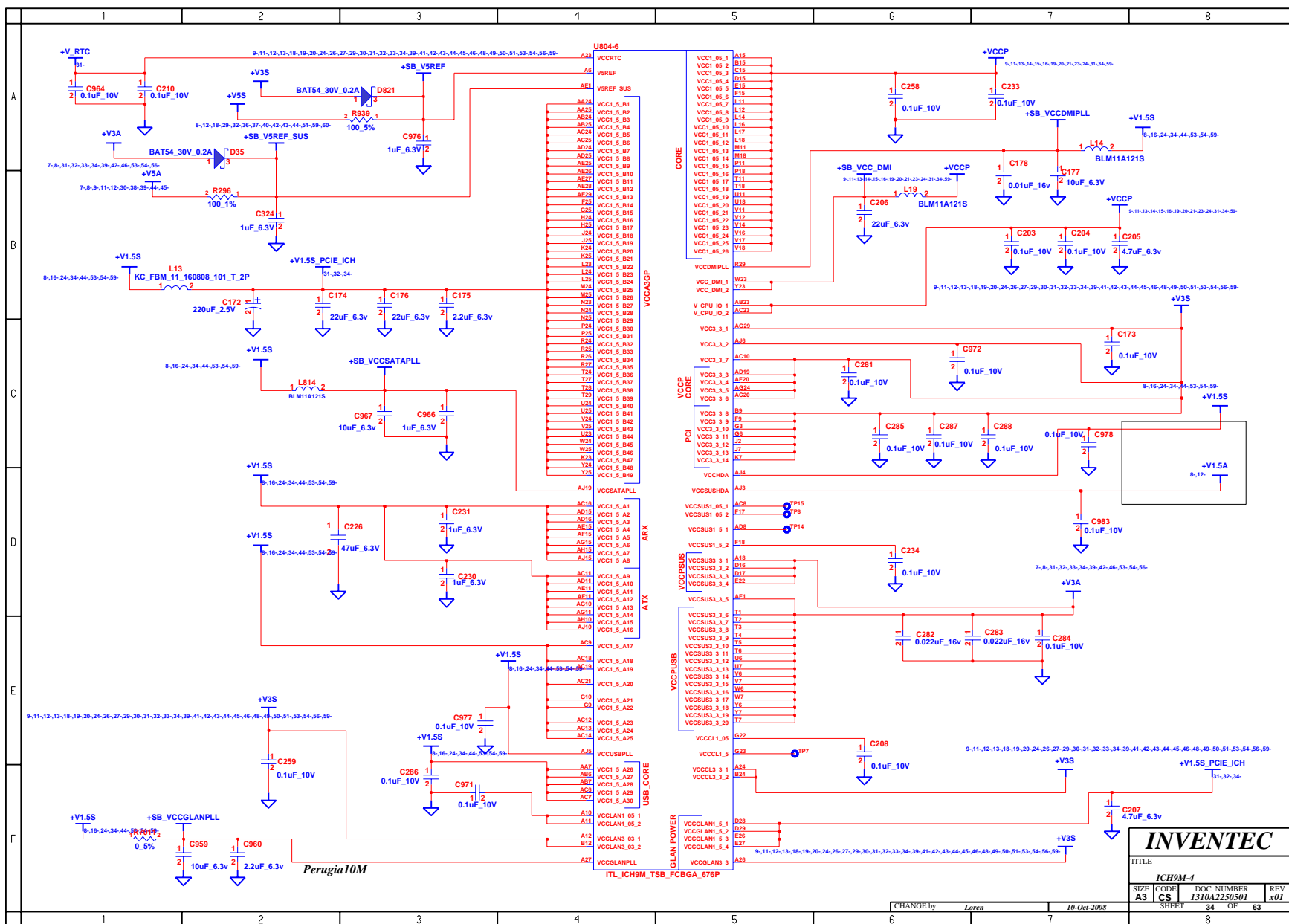
CHANGE by *Loren* 10-Oct-2008

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	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								

U804-5

AA26 VSS001

AA27 VSS002

AA28 VSS003

AA29 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

AE1 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

AG5 VSS057

AG5 VSS058

AG9 VSS059

AH12 VSS060

AH14 VSS061

AH17 VSS062

AH19 VSS063

AH2 VSS064

AH22 VSS065

AH23 VSS066

AH28 VSS067

AH5 VSS068

AH5 VSS069

AJ12 VSS070

AJ14 VSS071

AJ17 VSS072

AJ8 VSS073

B11 VSS074

B14 VSS075

B17 VSS076

B2 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

G12 VSS095

G14 VSS096

G19 VSS097

G21 VSS098

G24 VSS099

G25 VSS100

G27 VSS101

H3 VSS102

H2 VSS103

H2 VSS104

H28 VSS105

H29

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 P12

VSS140 P13

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

VSS194 Y5

VSS195 AG28

VSS196 AH6

VSS197 AF2

VSS198 B25

VSS_NCTF1 A1

VSS_NCTF2 A2

VSS_NCTF3 A28

VSS_NCTF4 A29

VSS_NCTF5 AH1

VSS_NCTF6 AH29

VSS_NCTF7 AJ1

VSS_NCTF8 AJ2

VSS_NCTF9 AJ28

VSS_NCTF10 B1

VSS_NCTF11 AJ29

VSS_NCTF12 B29

ITL ICH9M_TSB_FCBGA_676P

CHANGE by Loren

10-Oct-2008

SIZE A3

CODE CS

DOC. NUMBER 1310A2250501

REV x01

SHEET 35

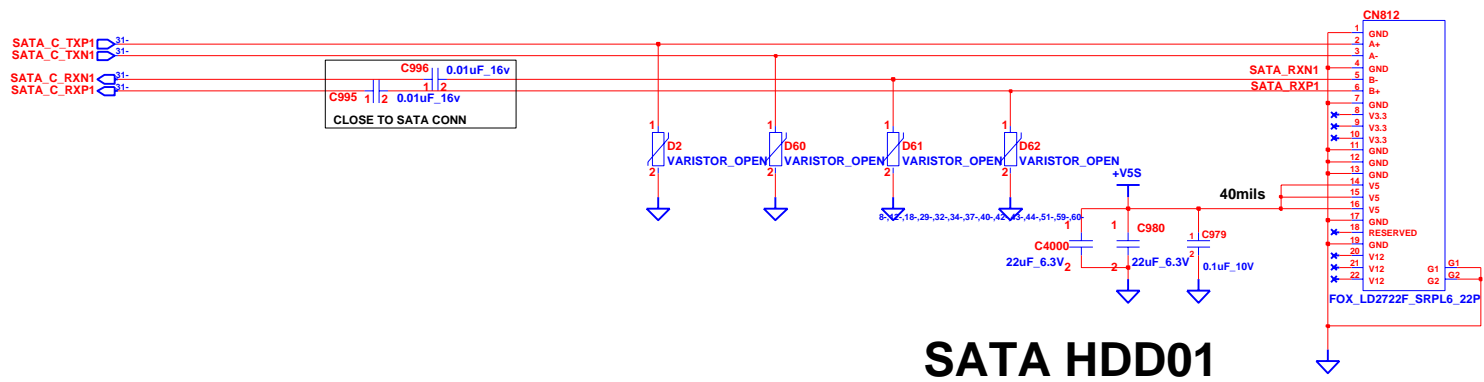
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INVENTEC

TITLE
Perugia10M
ICH9M-5

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01

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TITLE

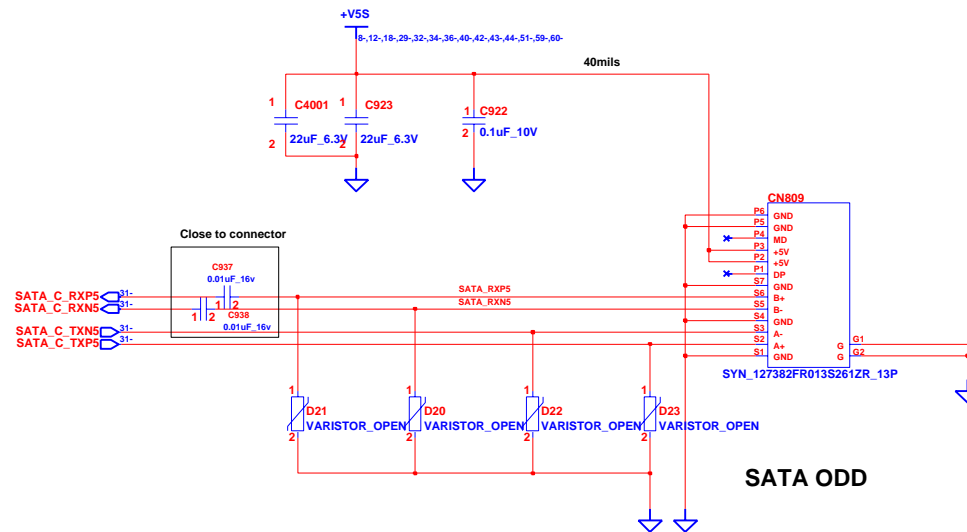
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Perugia10M
HDD CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01

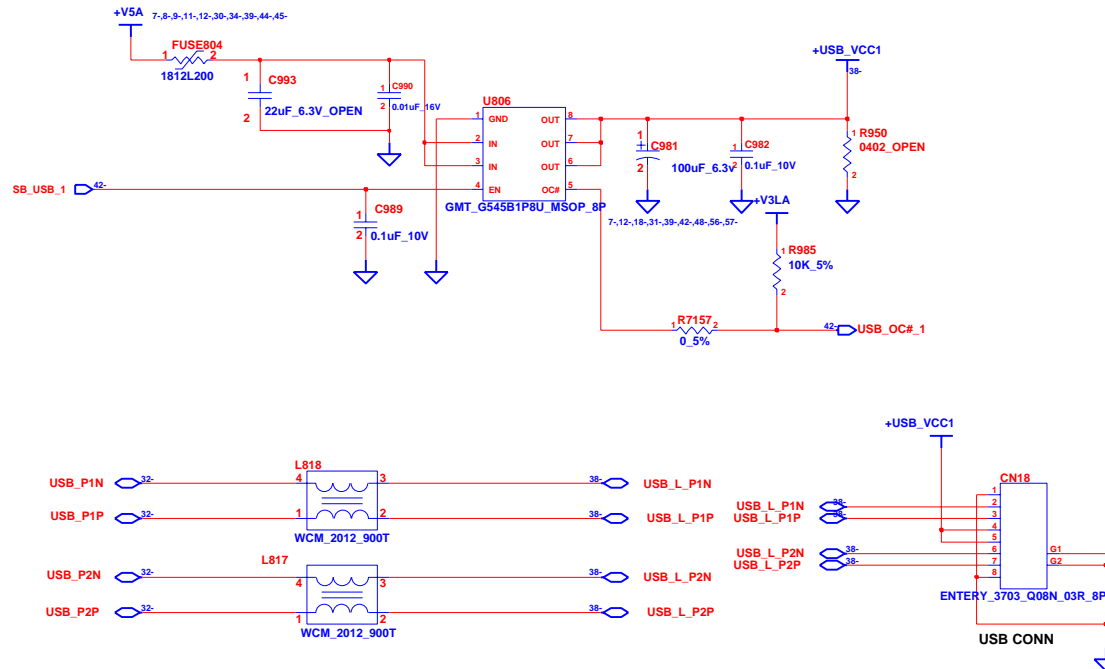
CHANGE by *Loren* 11-Oct-2008

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TITLE

INVENTEC			
Perugia10M SATA ODD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01
CHANGE by		10-Oct-2008	
Loren			
SHEET		37	OF 63



TITLE

INVENTEC

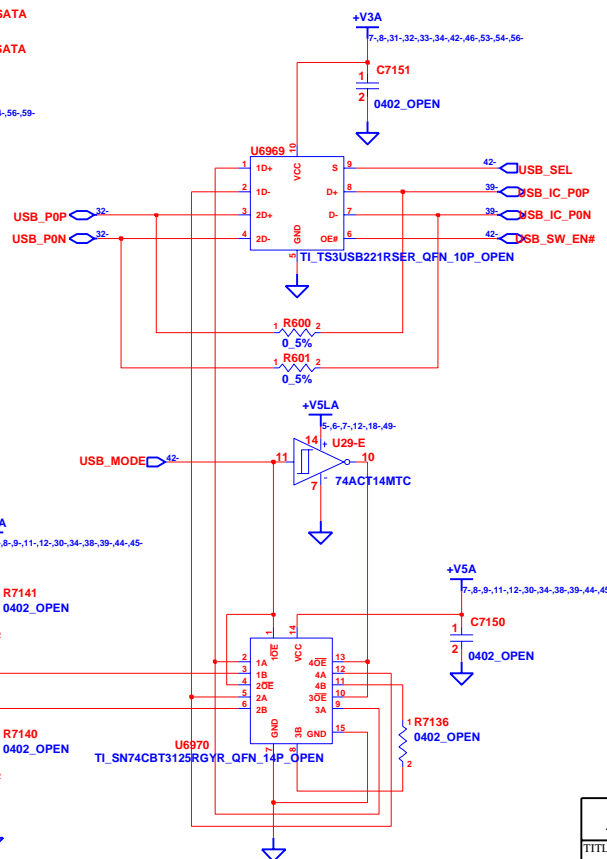
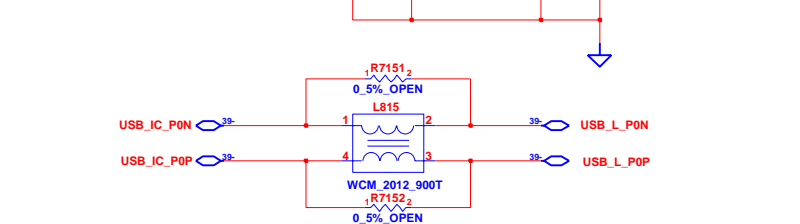
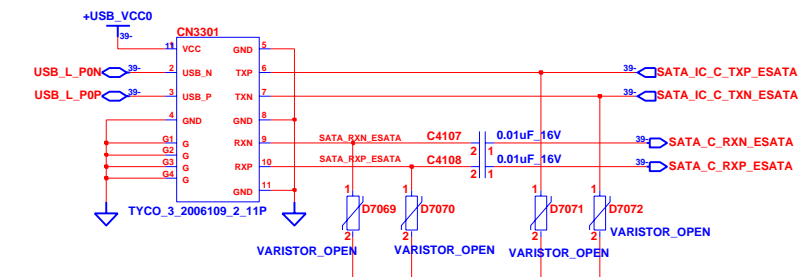
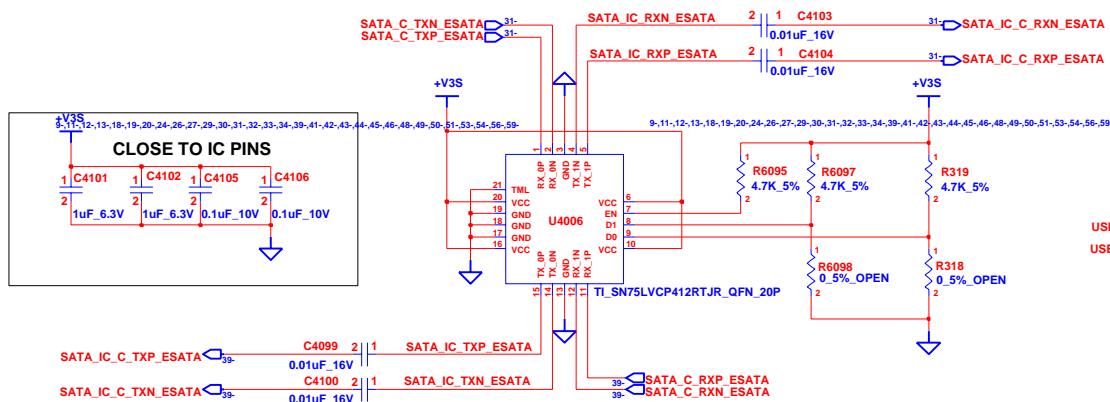
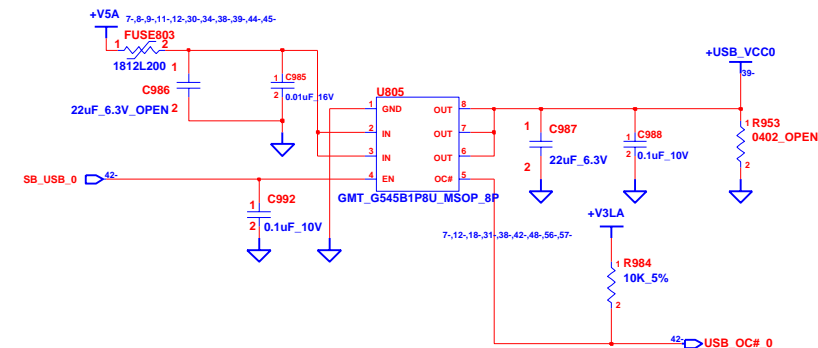
Perugia10M
USB CONN/USB(DB)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2250501	x01

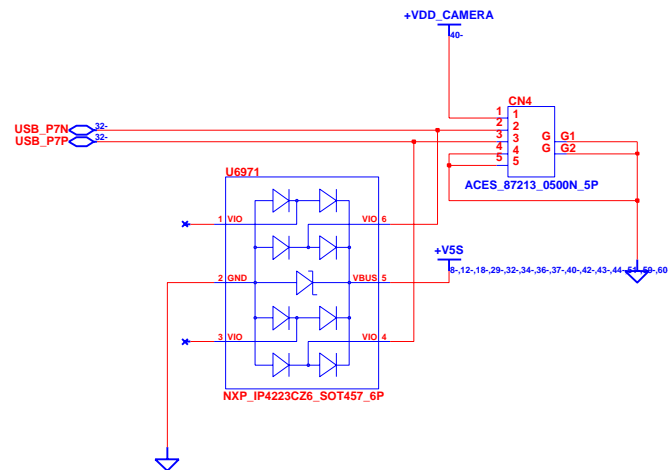
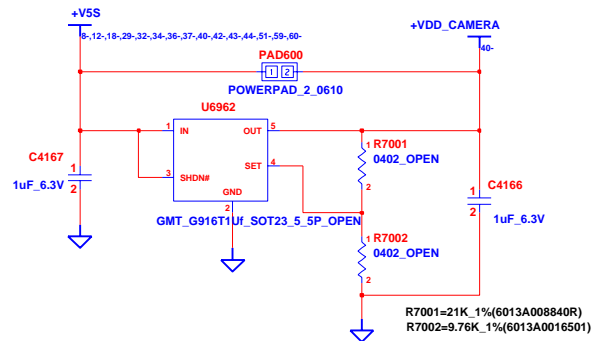
CHANGE by *Loren* 10-Oct-2008

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EN	D0	D1	FUNCTION
0	X	X	STANDBY
1	0	0	DEFAULT
1	1	0	CH0->5DB
1	0	1	CH1->5DB
1	1	1	CH0,1->5DB



INVENTEC			
TITLE: Perugia10M E-SATA CONN			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2250501	REV: x01
CHANGE by: Loren		10-Oct-2008	
SHEET: 39		OF: 63	



TITLE

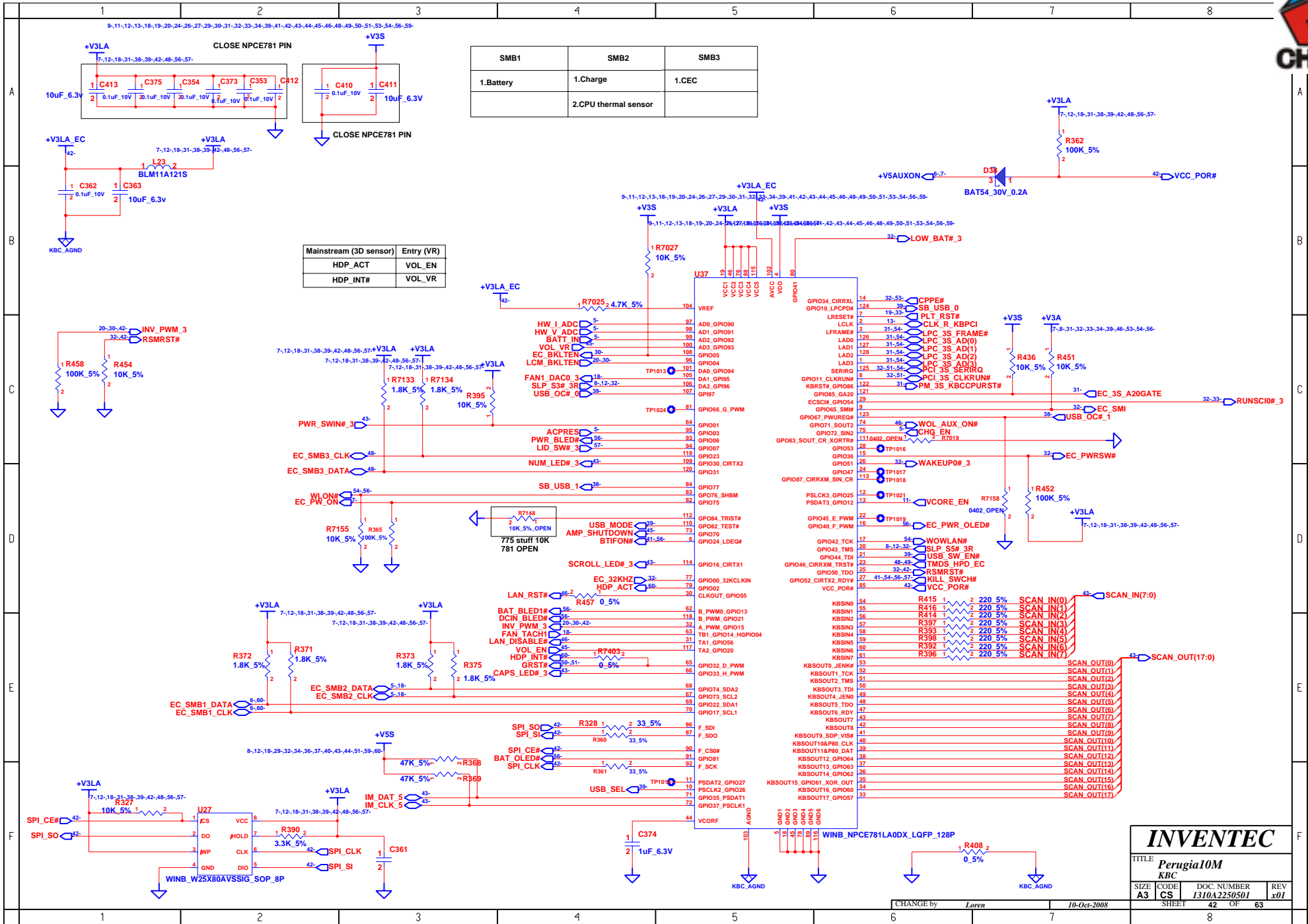
INVENTEC

Perugia10M
Camera

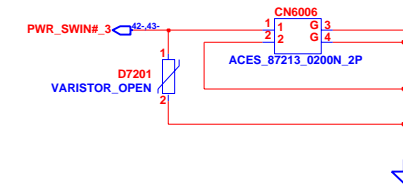
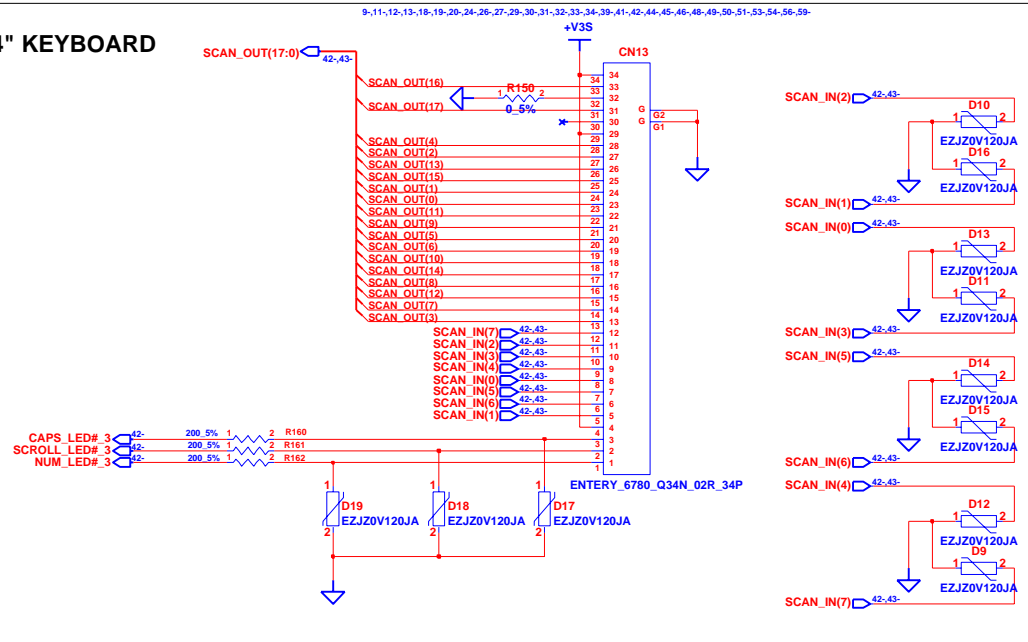
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01

CHANGE by *Loren* 10-Oct-2008

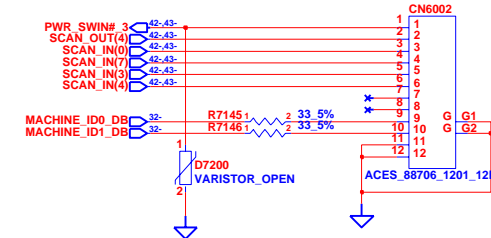
SHEET 40 OF 63



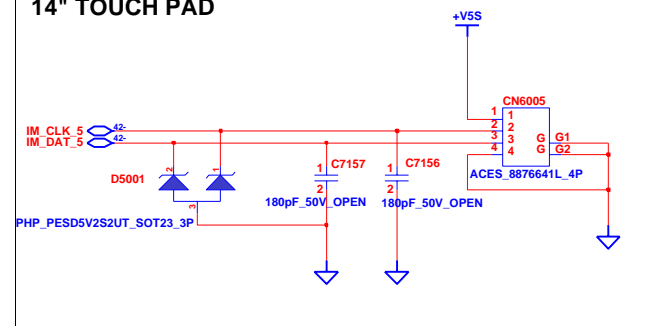
14" KEYBOARD



Hotkey



14" TOUCH PAD



TITLE

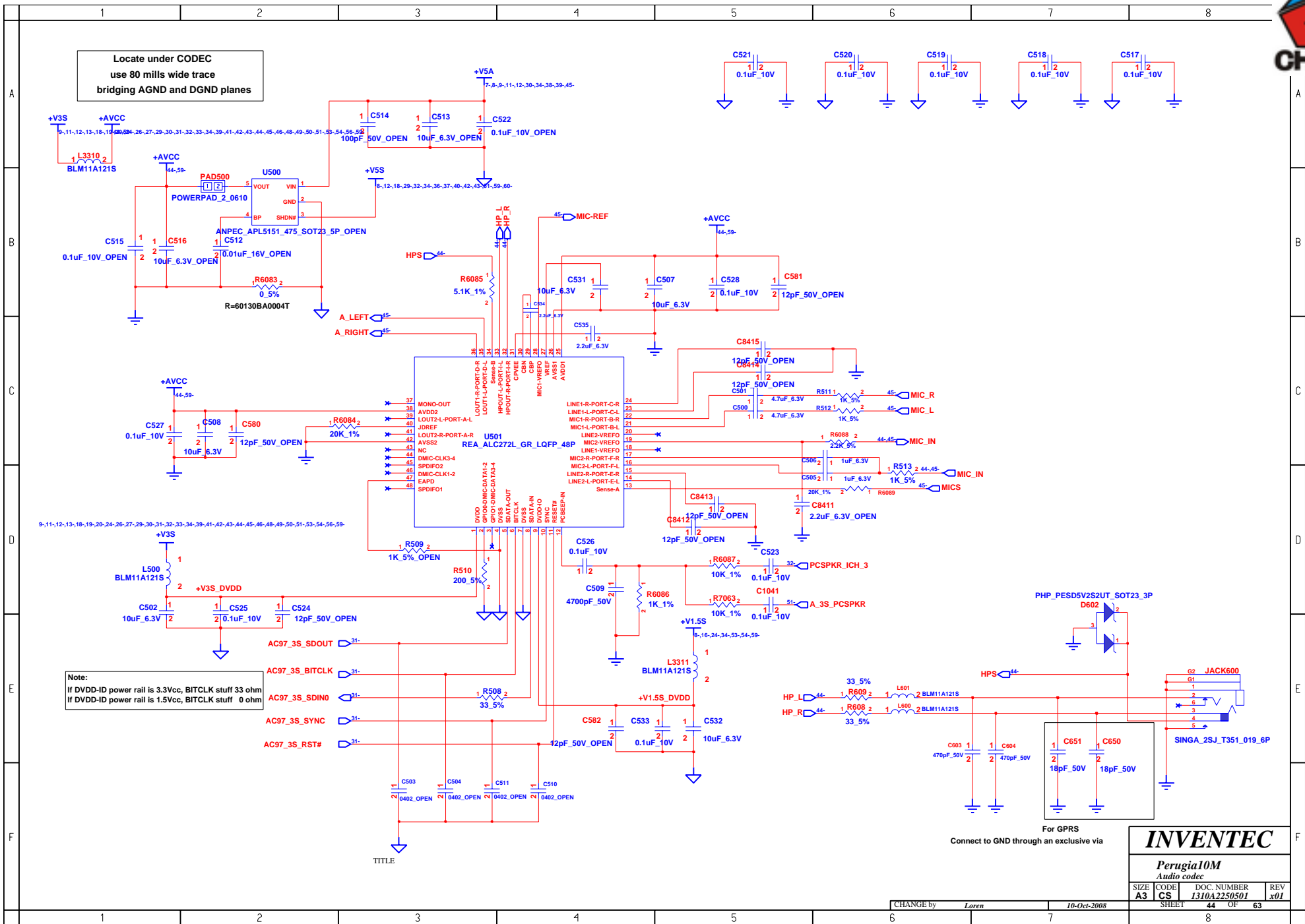
INVENTEC

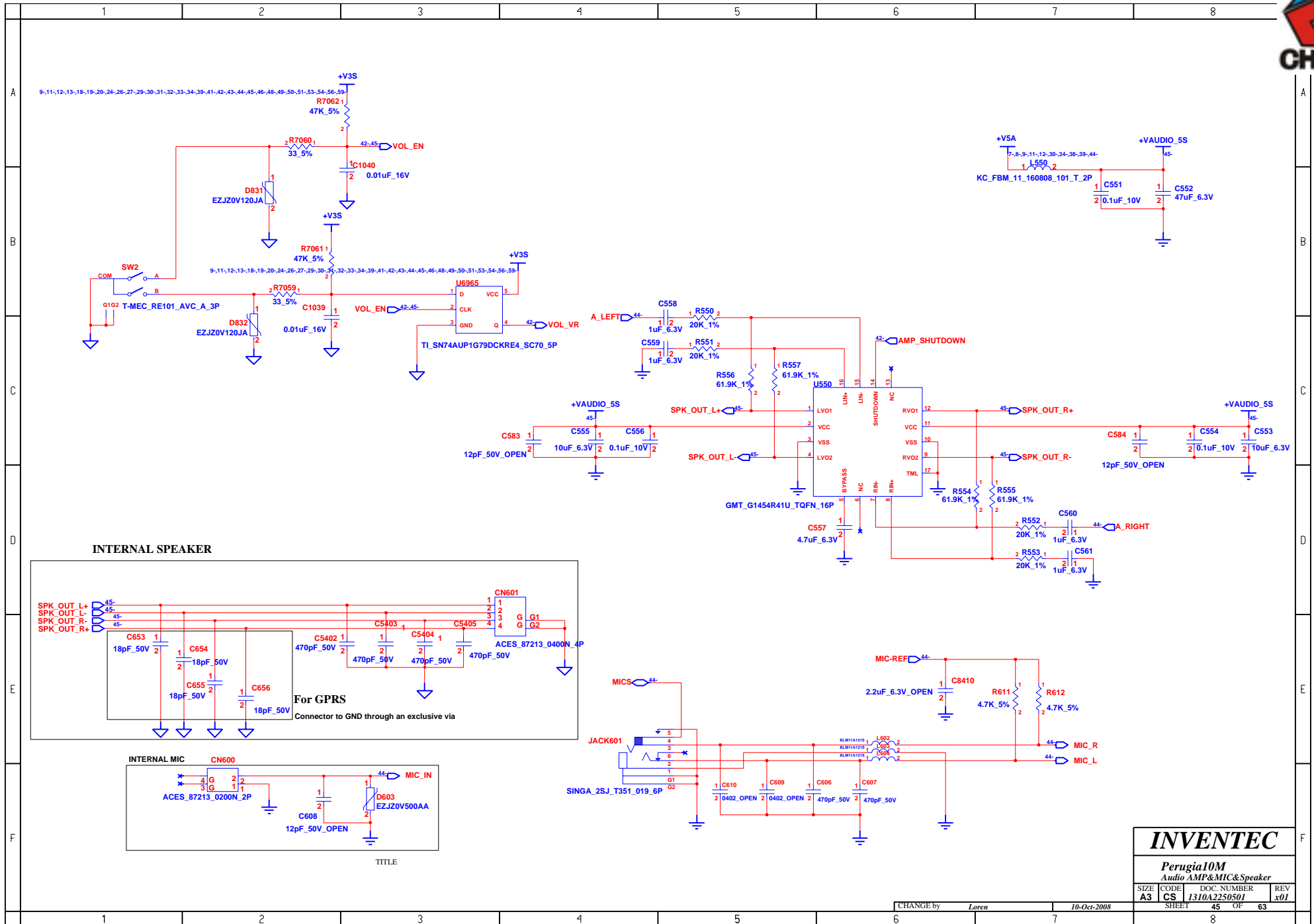
Perugia10M
K/B & TP/B CONN

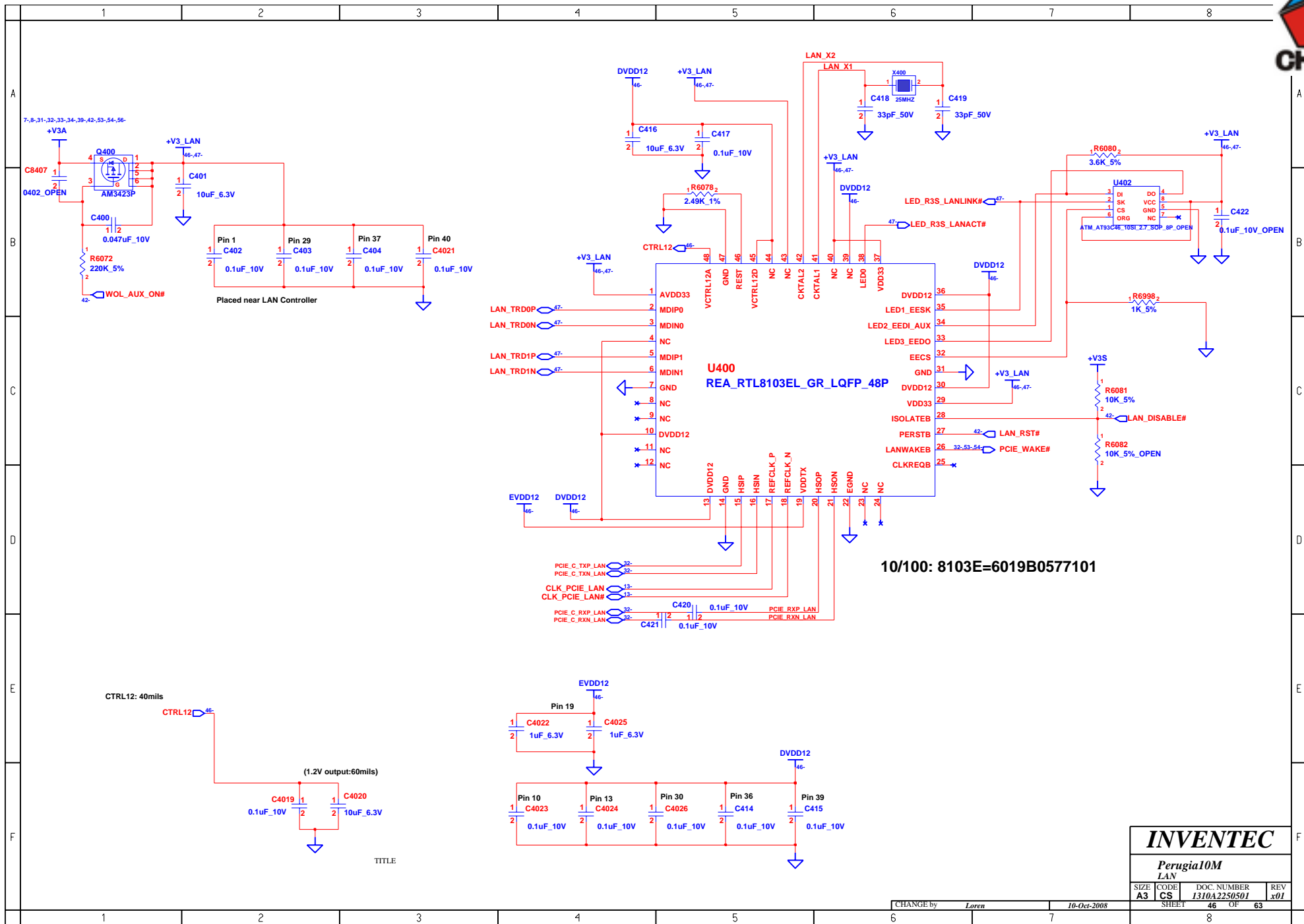
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01

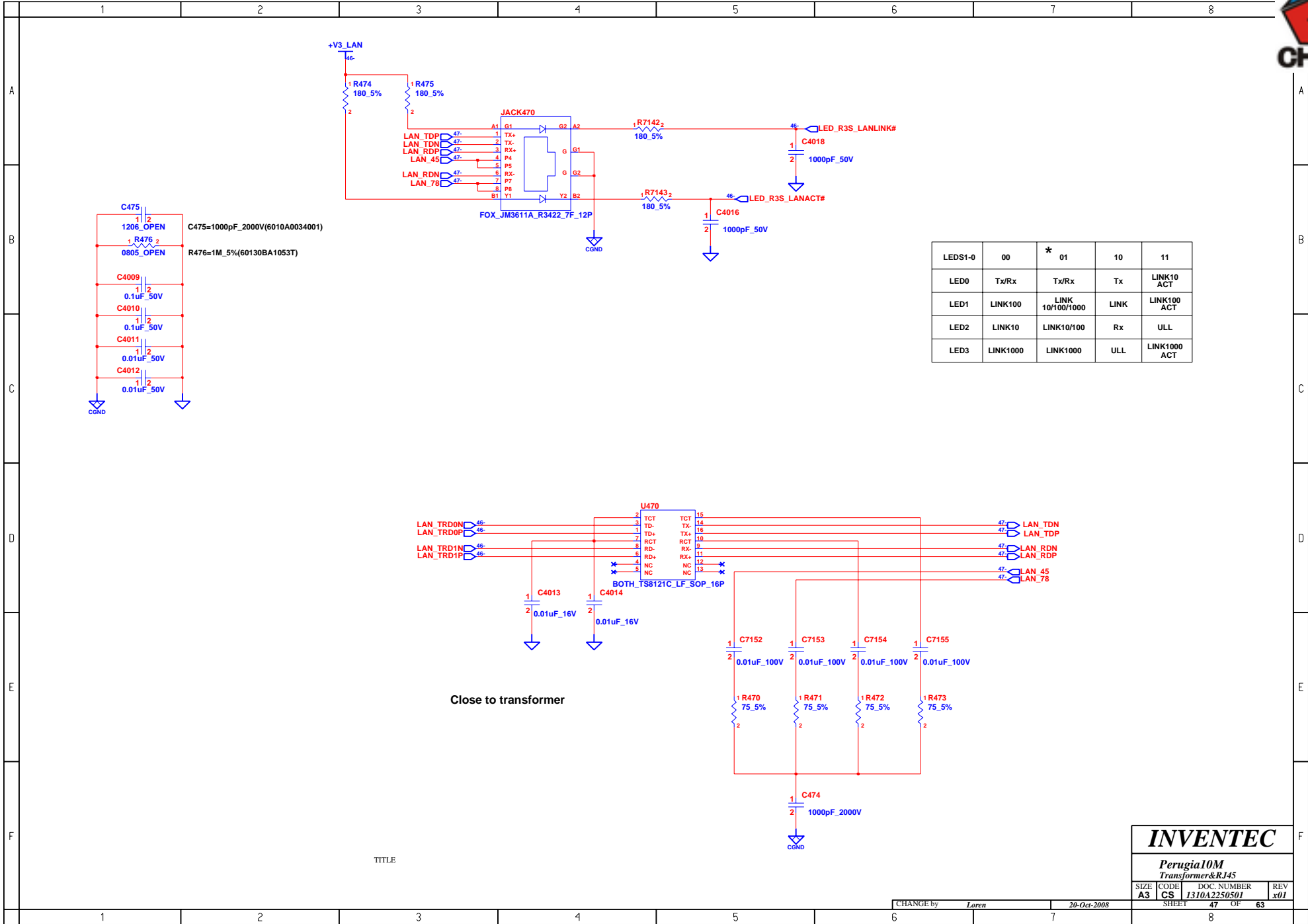
CHANGE by Loren 10-Oct-2008

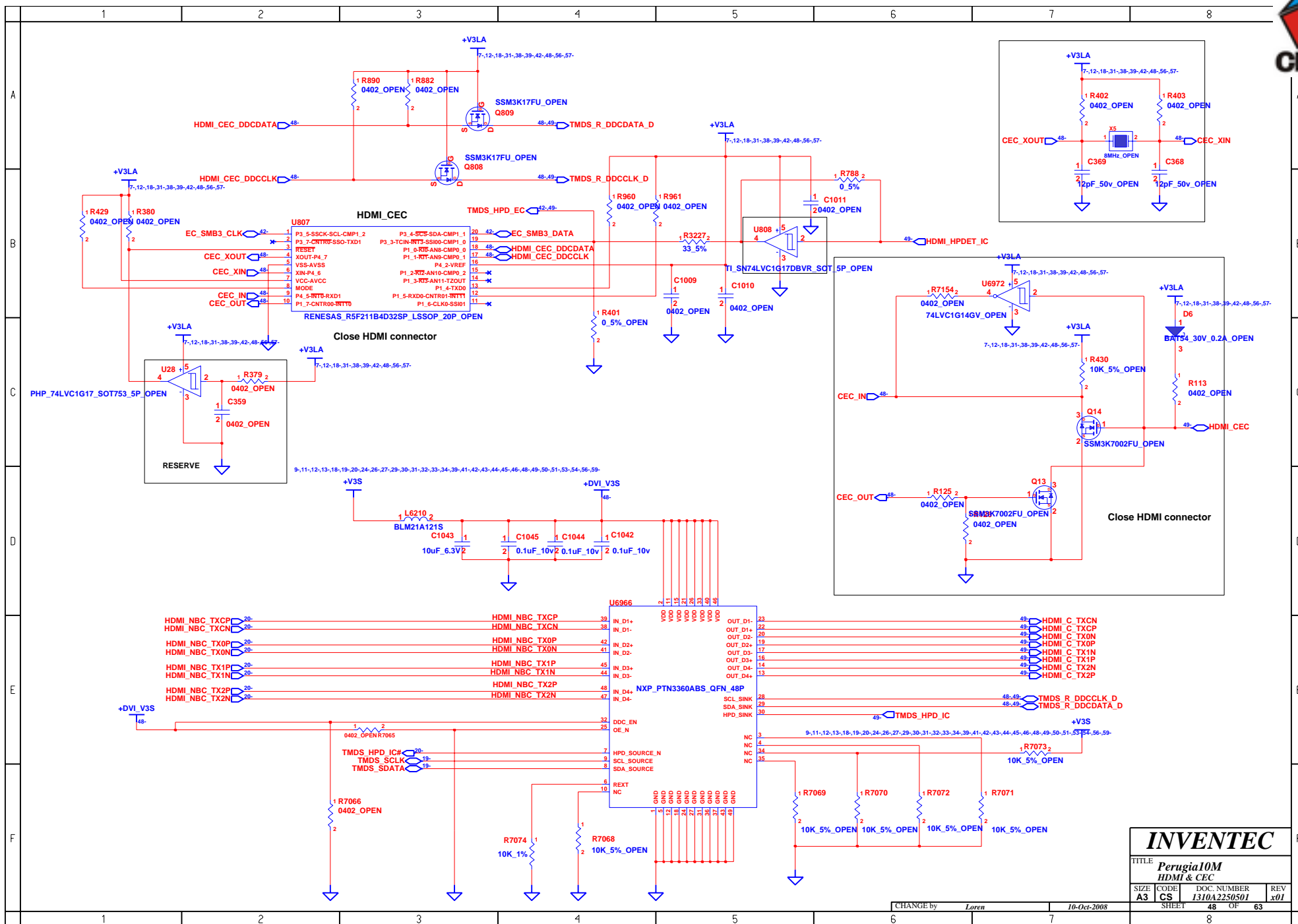
SHEET 43 OF 63











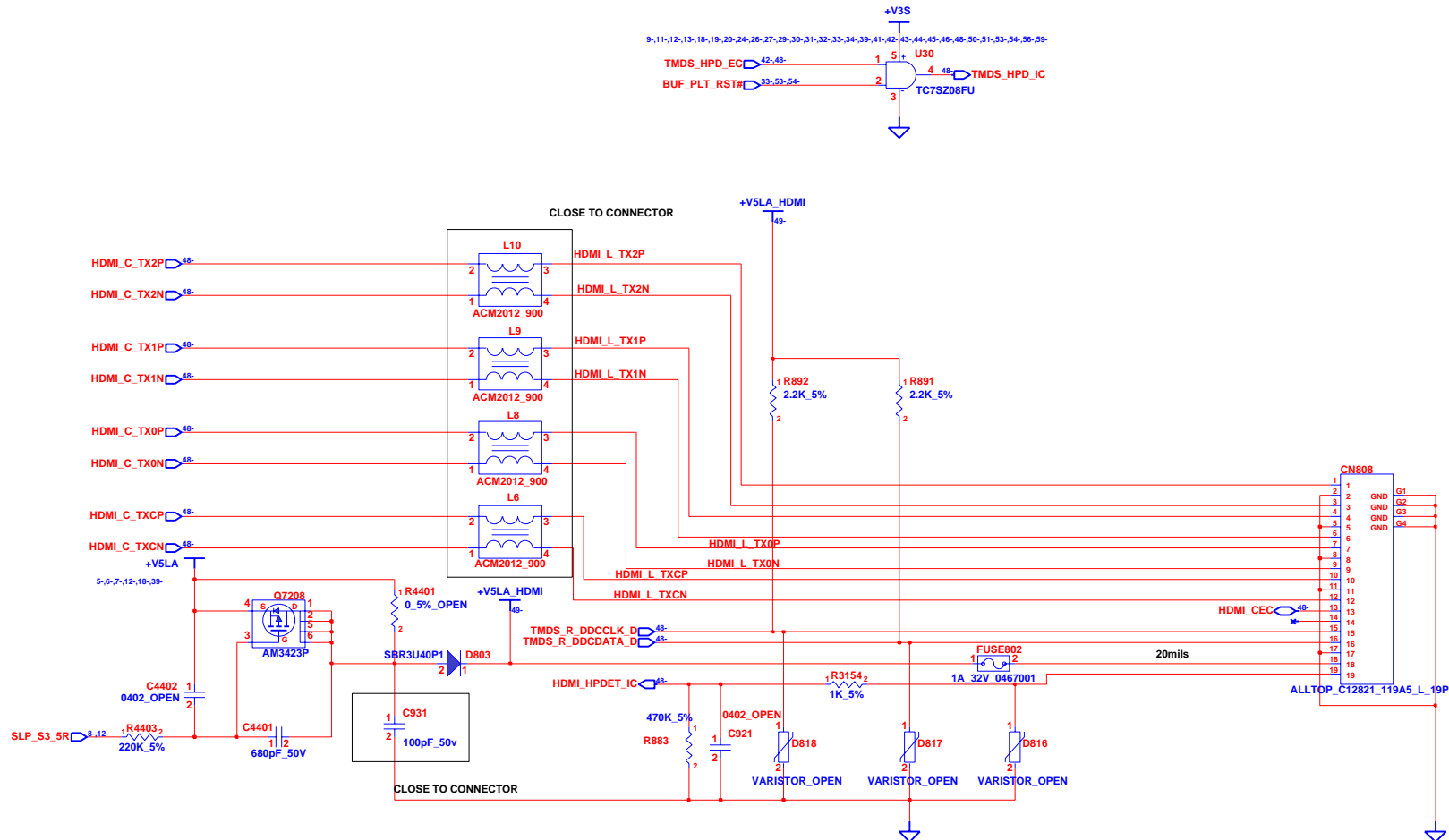
INVENTEC

TITLE
**Perugia10M
HDMI & CEC**

SIZE CODE DOC. NUMBER REV
A3 CS 1310A2250501 x01

CHANGE by **Loren** 10-Oct-2008

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TITLE

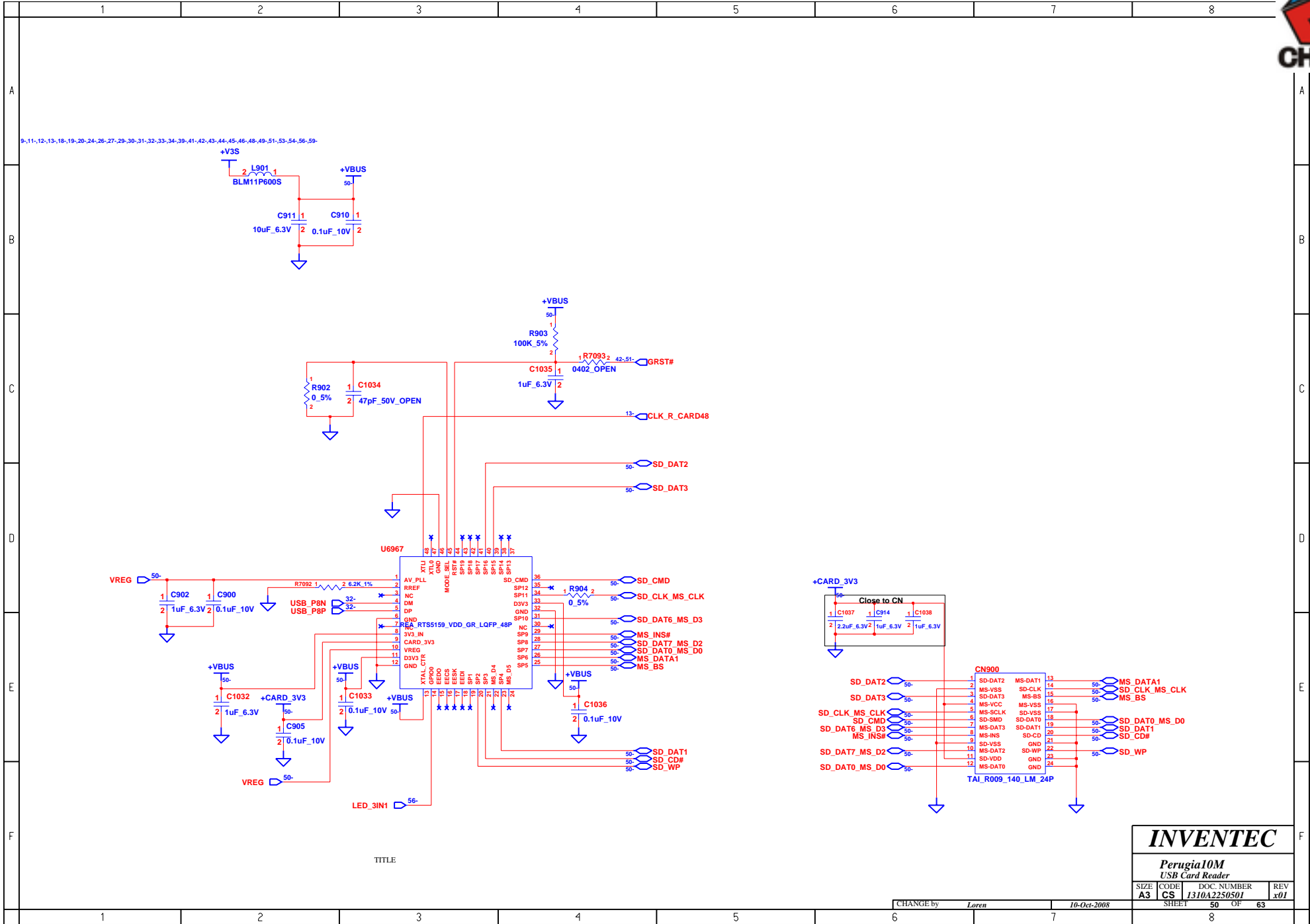
INVENTEC

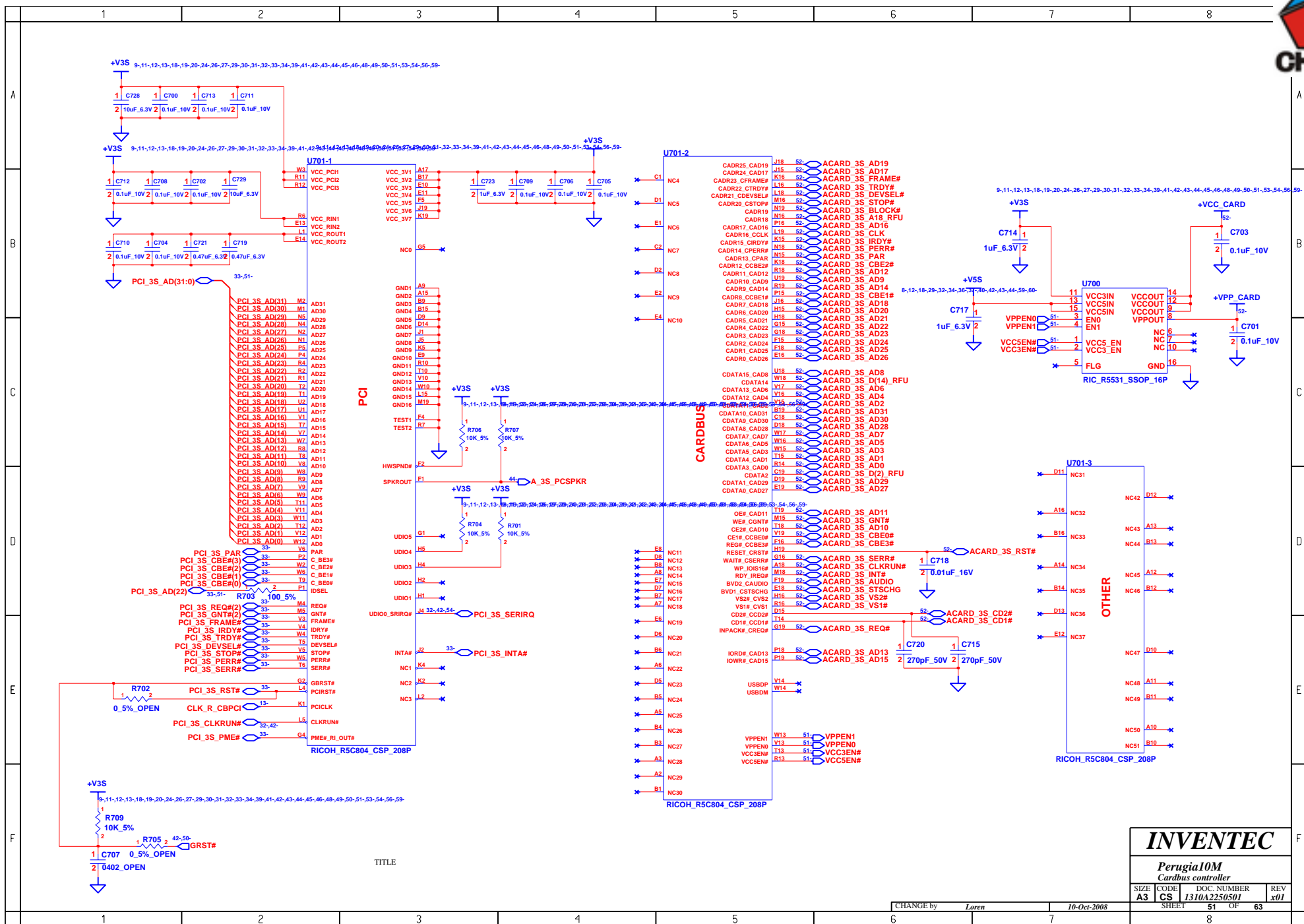
Perugia10M
HDMI CONN

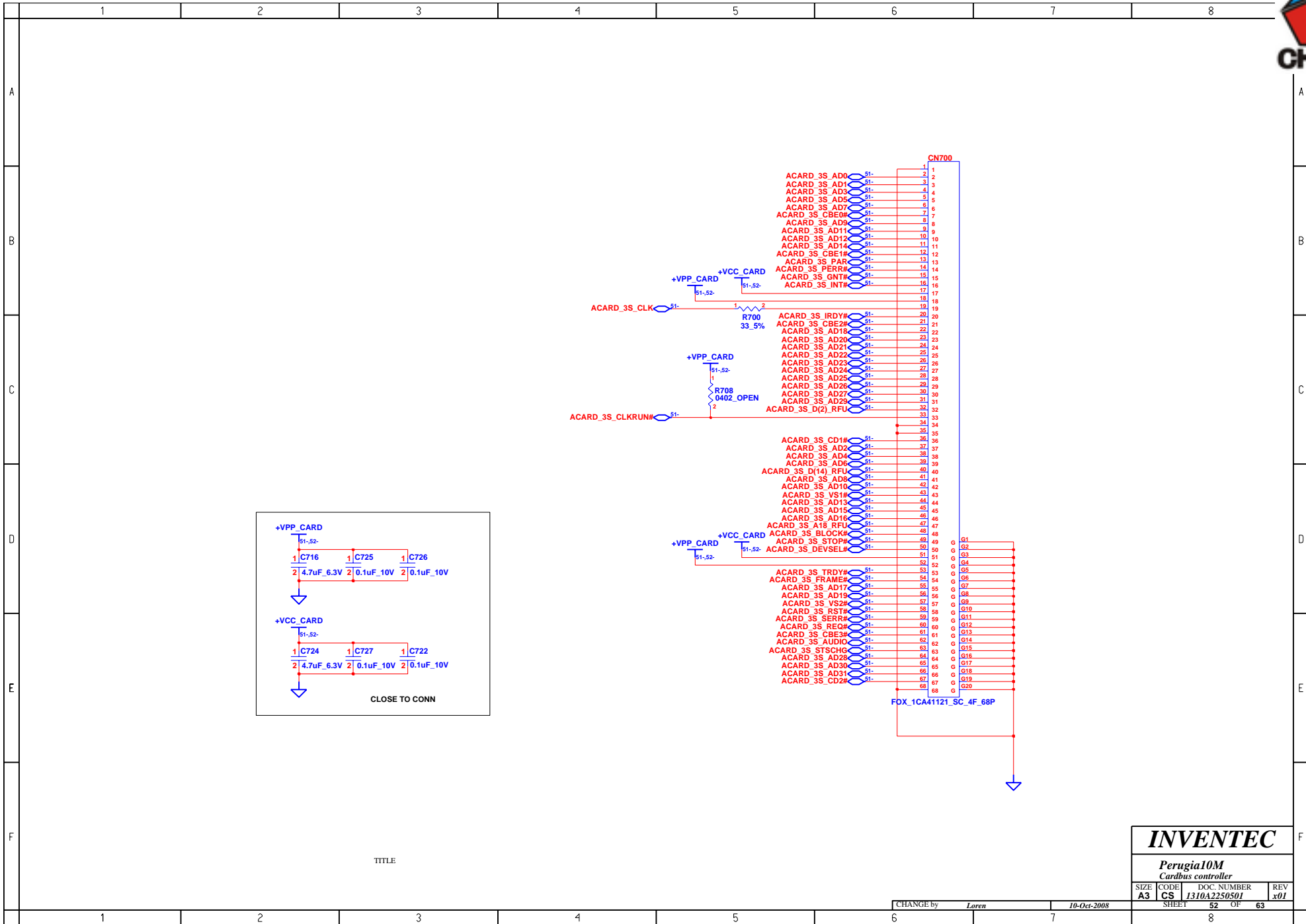
SIZE A3	CODE CS	DOC. NUMBER 1310A2250501	REV x01
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CHANGE by *Loren* 10-Oct-2008

SHEET 49 OF 63







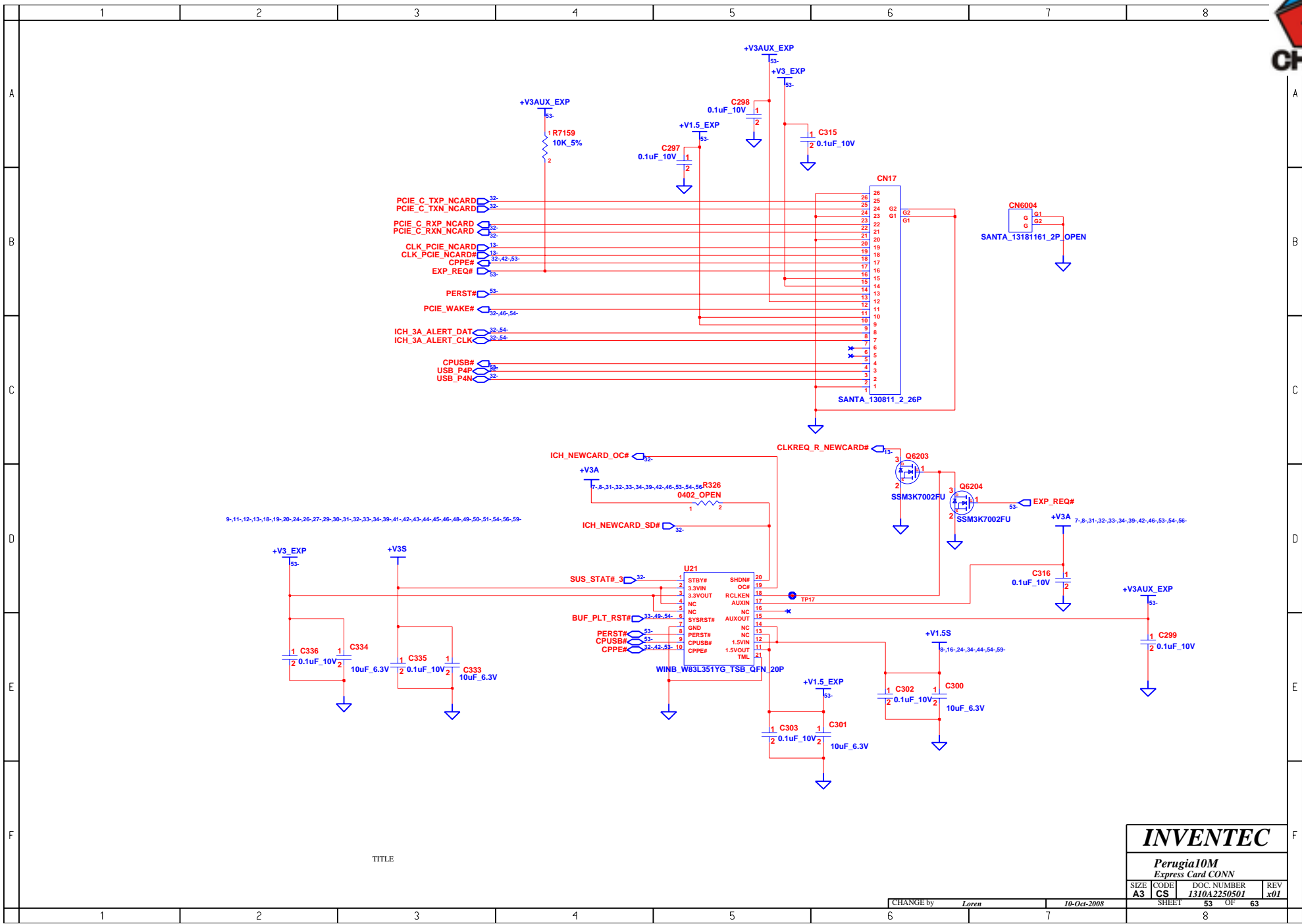
INVENTEC

Perugia10M
Cardbus controller

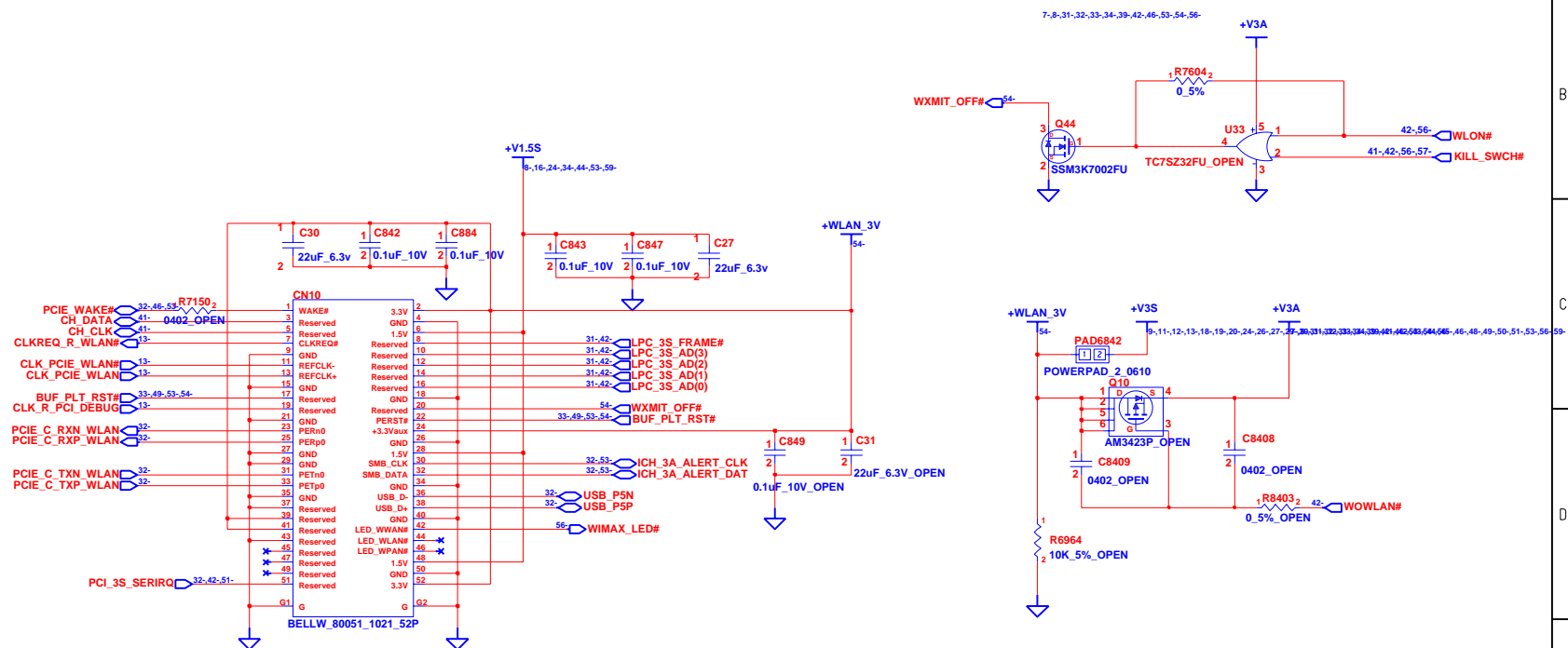
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01
SHEET		52 OF	63

CHANGE by Loren 10-Oct-2008

TITLE



Wireless & Debug card



TITLE

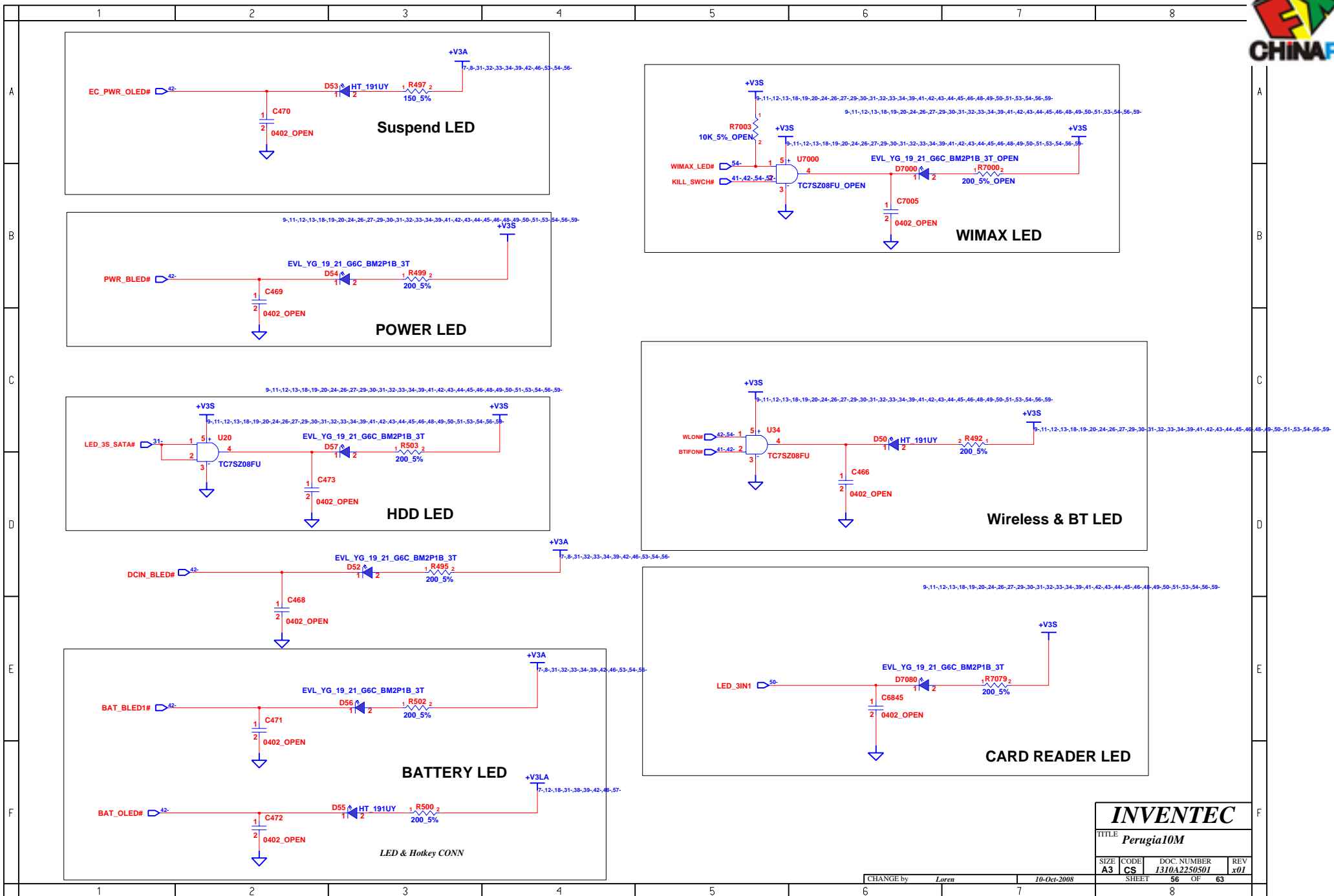
INVENTEC

Perugia10M
Wireless & debug card

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01

CHANGE by *Loren* 10-Oct-2008

SHEET 54 OF 63

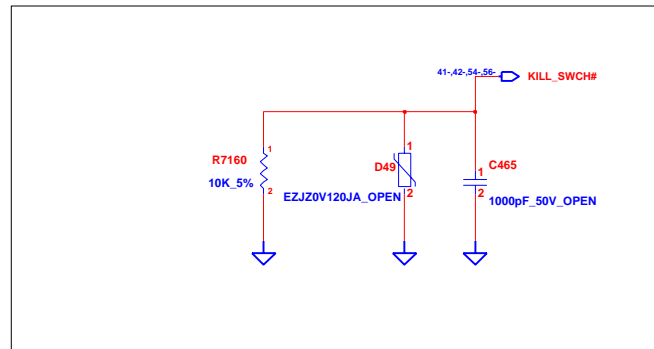


INVENTEC			
TITLE Perugia10M			
SIZE A3	CODE CS	DOC. NUMBER 1310A2250501	REV x01
SHEET		56	OF 63

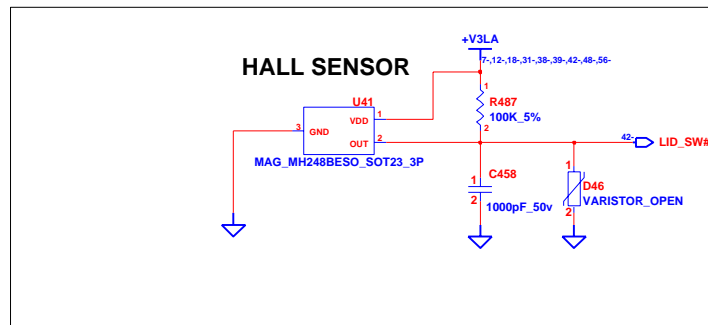
CHANGE by Loren 10-Oct-2008

KILL SWITCH

WLAN ON: KILL_SWCH# -> Low
WLAN OFF: KILL_SWCH# -> High



HALL SENSOR



TITLE

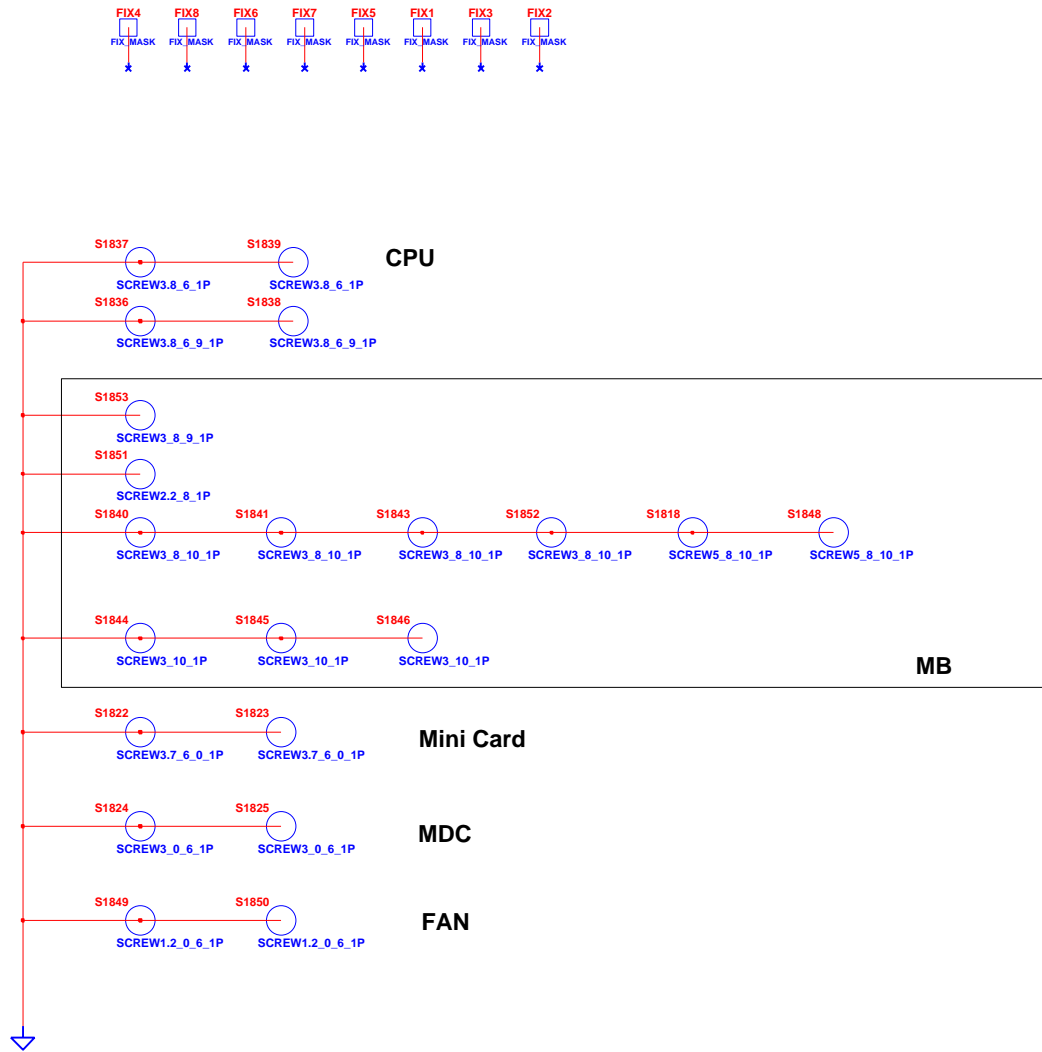
INVENTEC

Perugia10M
Kill Swich & Hall Sensor

SIZE A3	CODE CS	DOC. NUMBER I310A2250501	REV x01
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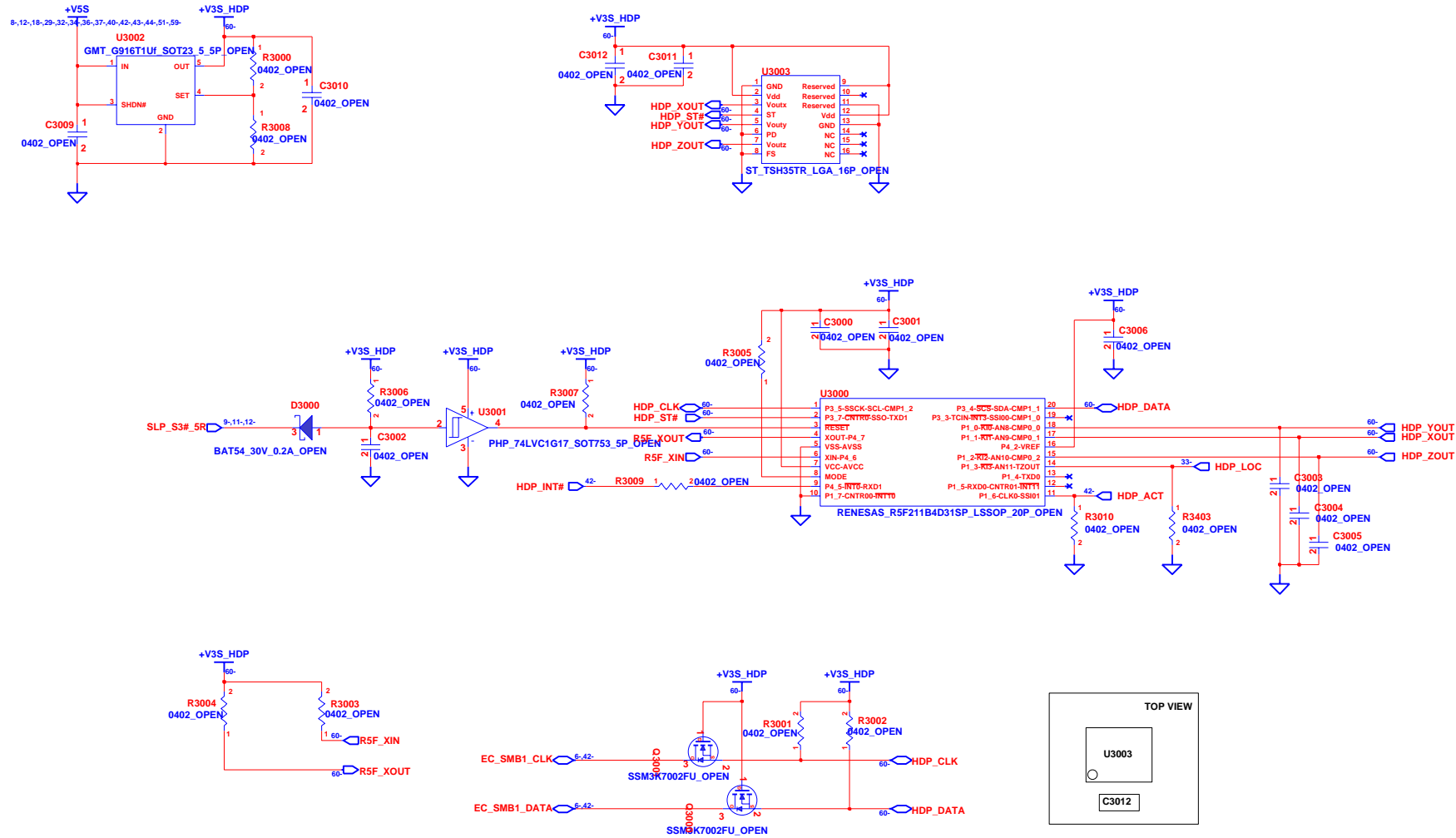
CHANGE by *Loren* 10-Oct-2008

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TITLE

INVENTEC			
Perugia10M			
Screw			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01
CHANGE by		10-Oct-2008	
Loren			
SHEET		58	OF 63



TITLE

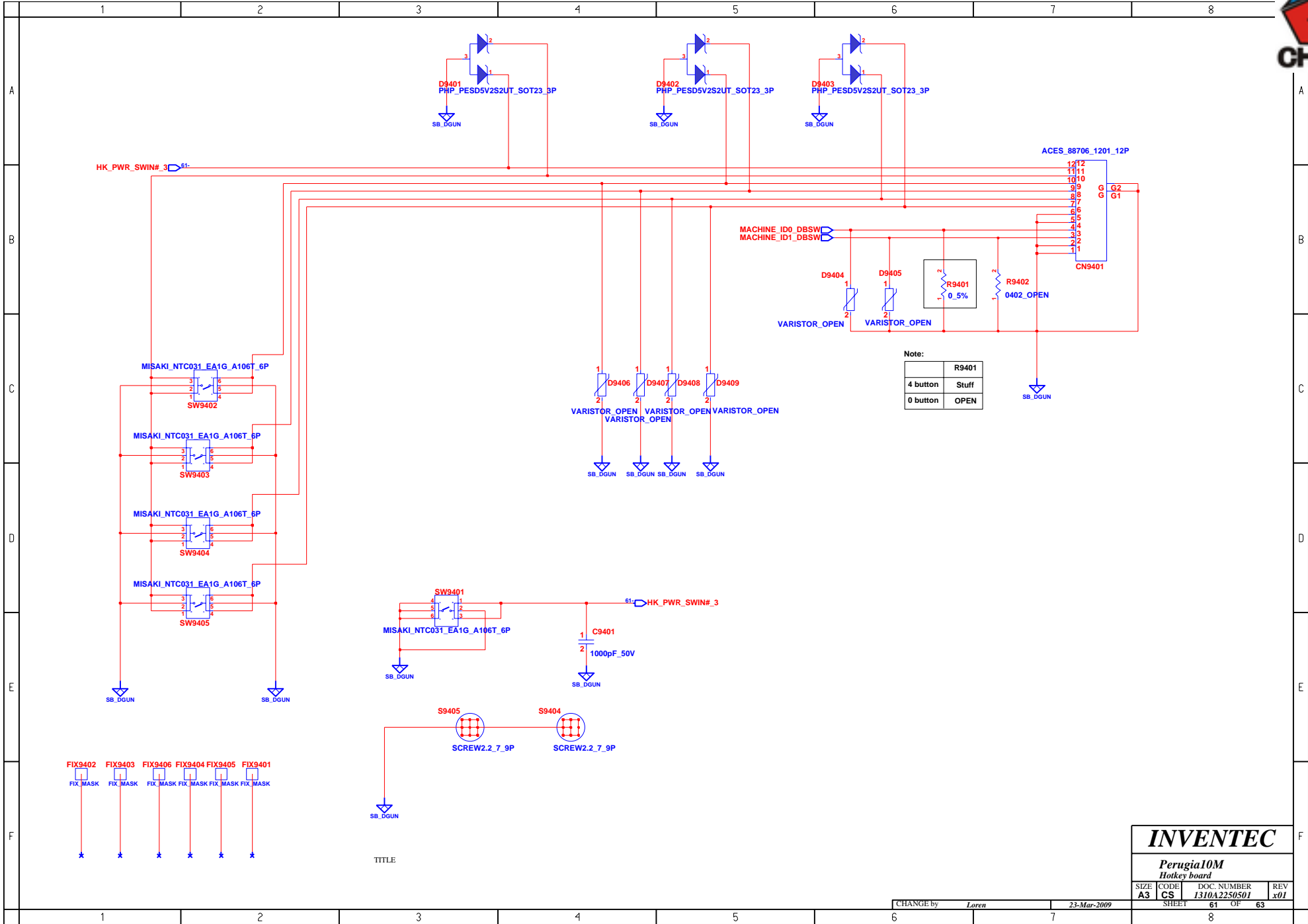
INVENTEC

Perugia10M
3D sensor

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01

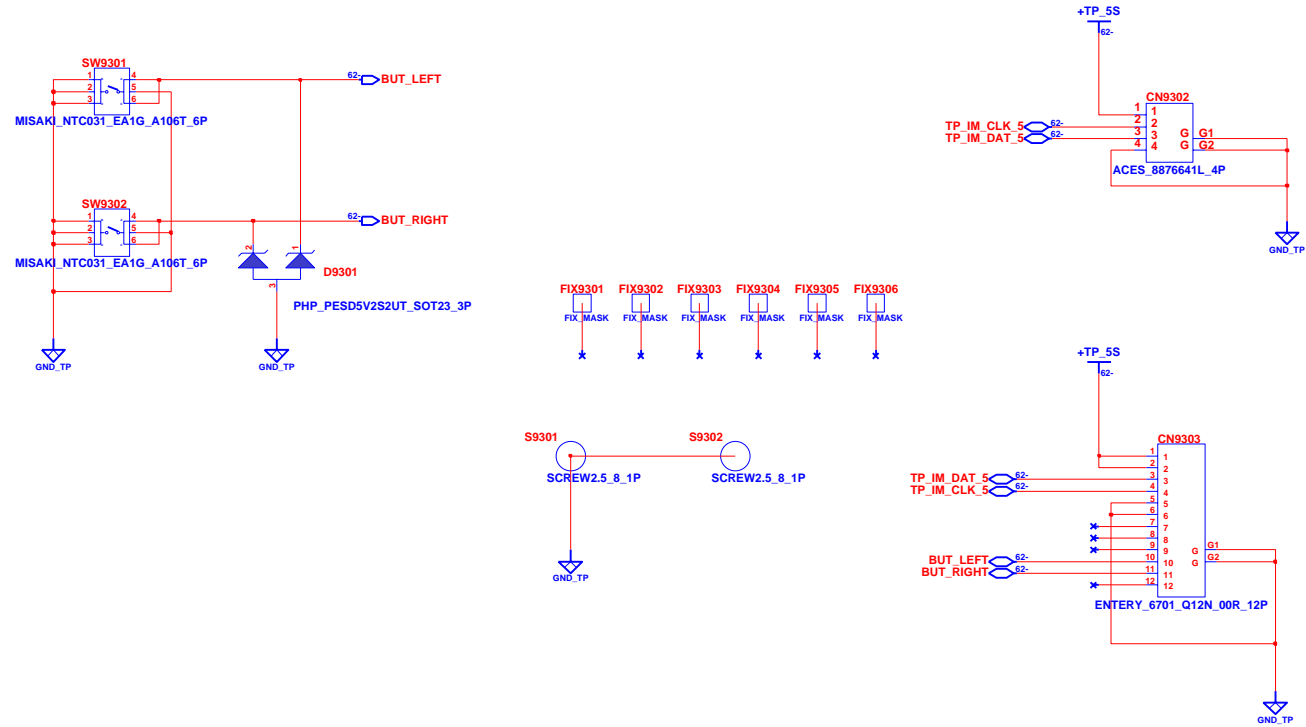
CHANGE by *Loren* 16-Dec-2008

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SIZE A3	CODE CS	DOC. NUMBER 1310A2250501	REV x01
SHEET 61 OF 63			

CHANGE by	<i>Loren</i>	<i>23-Mar-2009</i>
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TITLE

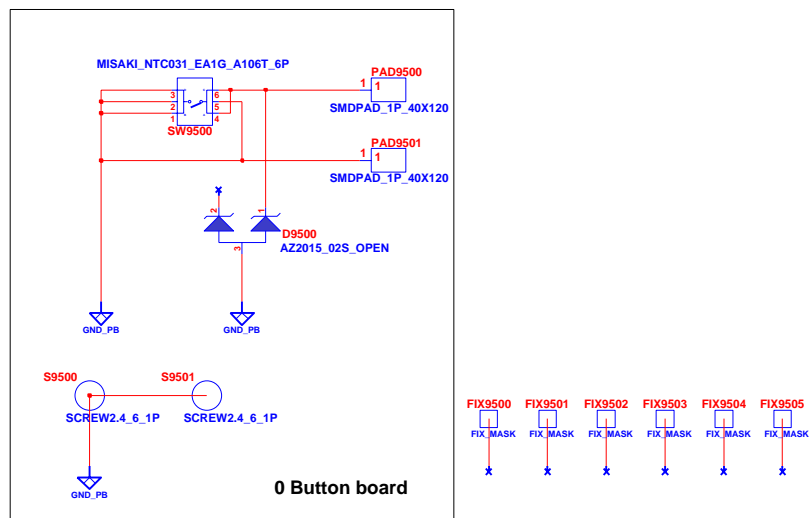
INVENTEC

Perugia10M
touch pad board

SIZE A3	CODE CS	DOC. NUMBER I310A2250501	REV x01
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CHANGE by *Loren* 16-Dec-2008

SHEET 62 OF 63



TITLE

INVENTEC			
Perugia10M power board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2250501	x01

CHANGE by *Loren* 22-Apr-2009

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