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B																																																																															
C	POTOMAC 10																																																																														
D	MP BUILD																																																																														
E	2008.0430																																																																														
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></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></tbody></table>		DRAWER	EE	DATE	POWER	DATE	DESIGN					CHECK					RESPONSIBLE					<table border="1"><thead><tr><th>SIZE =</th><th>3</th><th>VER :</th></tr></thead><tbody><tr><td>FILE NAME :</td><td colspan="2">XXXX-XXXXXX-XX</td></tr><tr><td>P/N</td><td colspan="2">XXXXXXXXXXXXX</td></tr></tbody></table>			SIZE =	3	VER :	FILE NAME :	XXXX-XXXXXX-XX		P/N	XXXXXXXXXXXXX		<table border="1"><thead><tr><th>TITLE</th><th colspan="3">INVENTEC Potomac 10</th></tr></thead><tbody><tr><td>SIZE</td><td>CODE</td><td>DOC. NUMBER</td><td>REV</td></tr><tr><td>A3</td><td>CS</td><td>1310A21699</td><td>A01</td></tr><tr><td>SHEET</td><td>1</td><td>OF</td><td>60</td></tr></tbody></table>			TITLE	INVENTEC Potomac 10			SIZE	CODE	DOC. NUMBER	REV	A3	CS	1310A21699	A01	SHEET	1	OF	60
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C	POTOMAC 10 MP BUILD 2008.0430																																																																													
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DATE	CHANGE NO.	REV																																																																												
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SHEET 1		OF 60																																																																												

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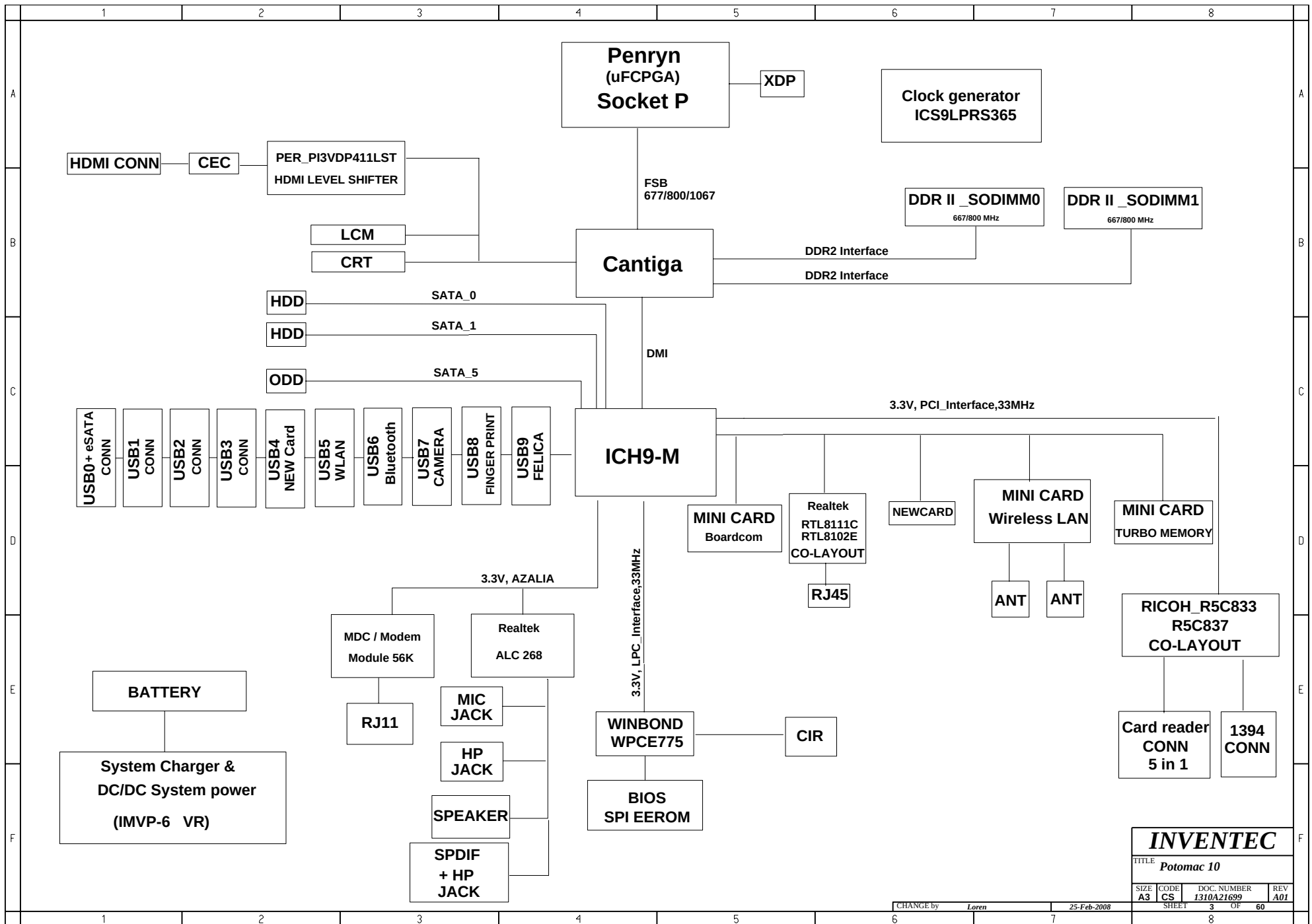
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1.COVER PAGE	31. ICH9-1	54.MDC
2.INDEX	32. ICH9-2	55.LED(M/B) & HOTKEY/B
3.BLOCK DIAGRAM	33. ICH9-3	56.KILL & LID SWITCH
4.POWER SEQUENCE BLOCK	34. ICH9-4	57.DRILL HOLE
5-12.SYSTEM POWER	35. ICH9-5	58.For EMI
13.CLOCK GENERATOR	36.SATA HDD CONN	59.Small board 1
14. PENRYN-1	37.ODD CONN	60.Small board 2
15. PENRYN-2	38.USB CONN	
16. PENRYN-3	39.FELICA & CAMERA FINGERPRINT	
17. PENRYN-4	40.BLUE TOOTH CONN	
18. FAN & THERMAL	41.KBC	
19. CANTIGA-1	42.K/B & TP/B CONN	
20. CANTIGA-2	43.AZALIA CODEC & HP & SPDIF	
21. CANTIGA-3	44.AUDIO AMP & MIC & SPEAKER	
22. CANTIGA-4	45.LAN CONTROLLER	
23. CANTIGA-5	46.RJ45 & TRANSFORMER	
24. CANTIGA-6	47.HDMI LEVEL SHIFTER	
25. CANTIGA-7	48.CIR & HDMI CONN &CEC	
26.DDR2 DIMM0	49.CARDREADER & 1394 CONTROLLER-1	
27.DDR2 DIMM1	50.CARDREADER & 1394 CONTROLLER-2	
28.DDR DAMPING	51.EXPRESS CARD	
29.CRT & TV-OUT CONN	52.ROBSON & WLAN	
30.LCM CONN	53.HD-DVD	

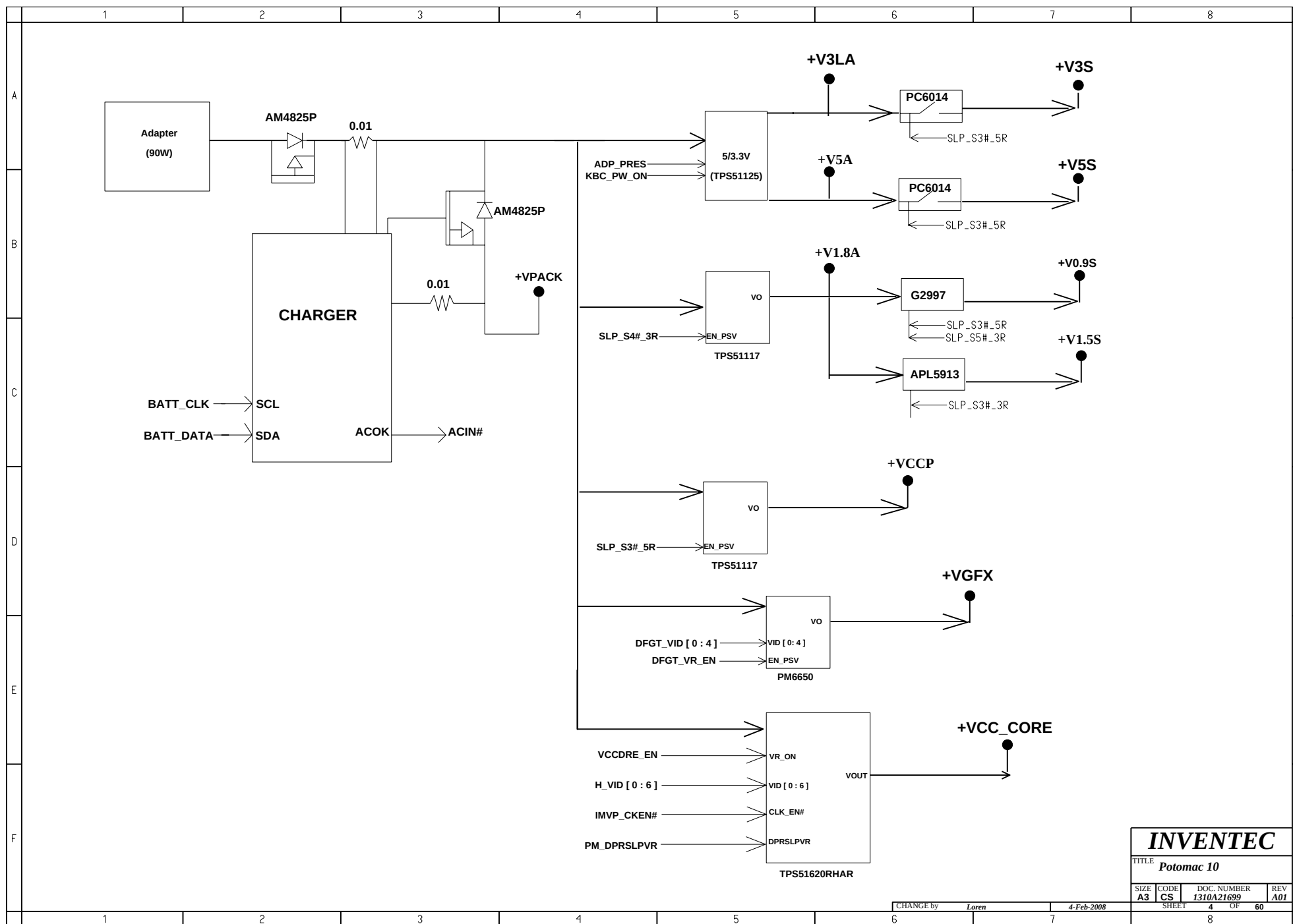
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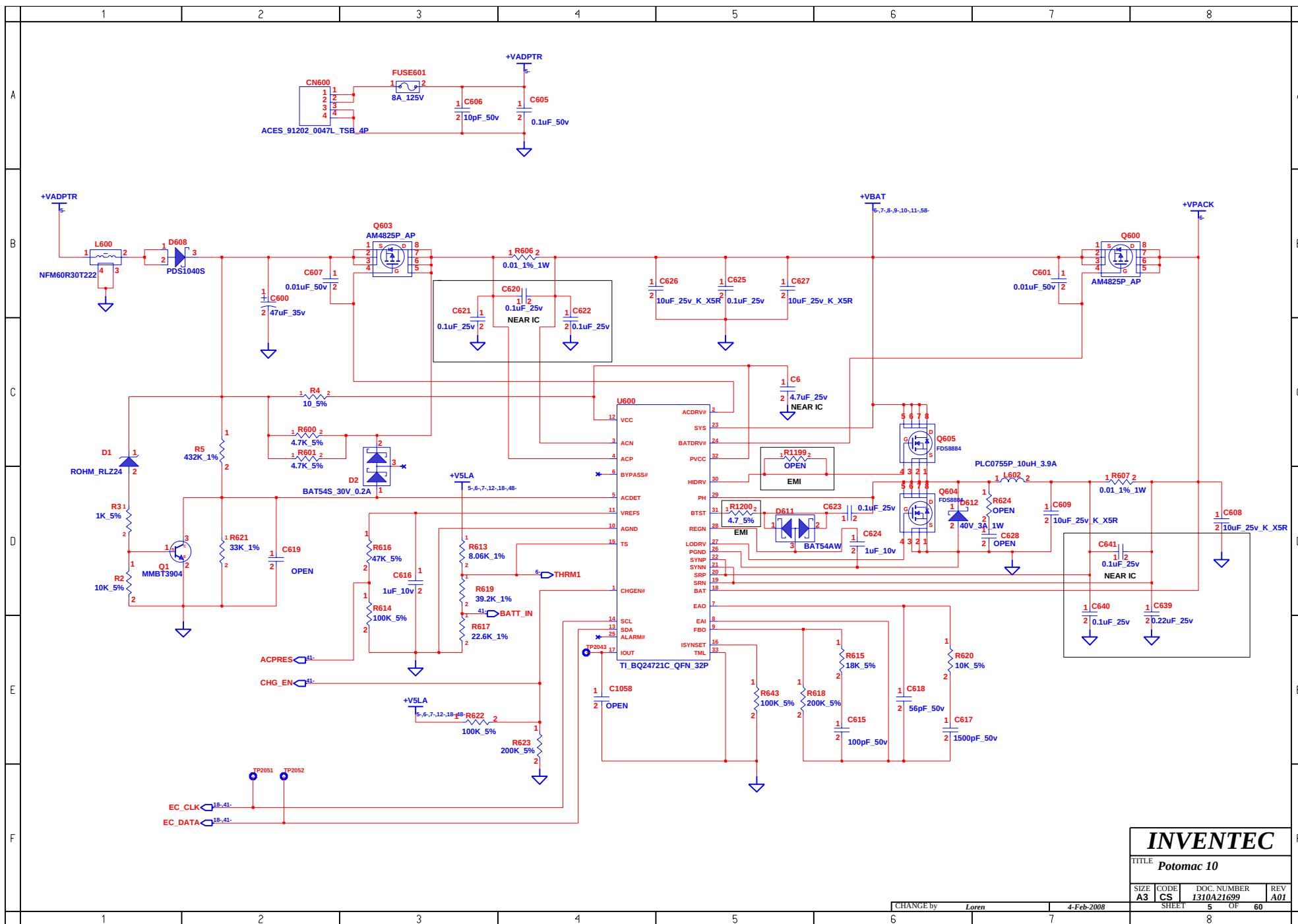
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Potomac 10

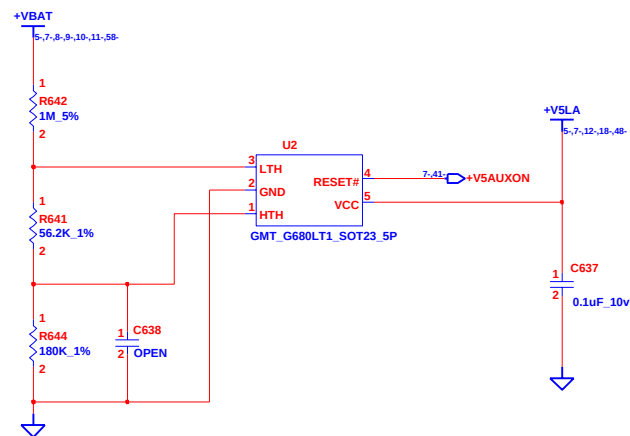
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SHEET 2		OF 60	

CHANGE by **Loren** 18-Feb-2008









INVENTEC

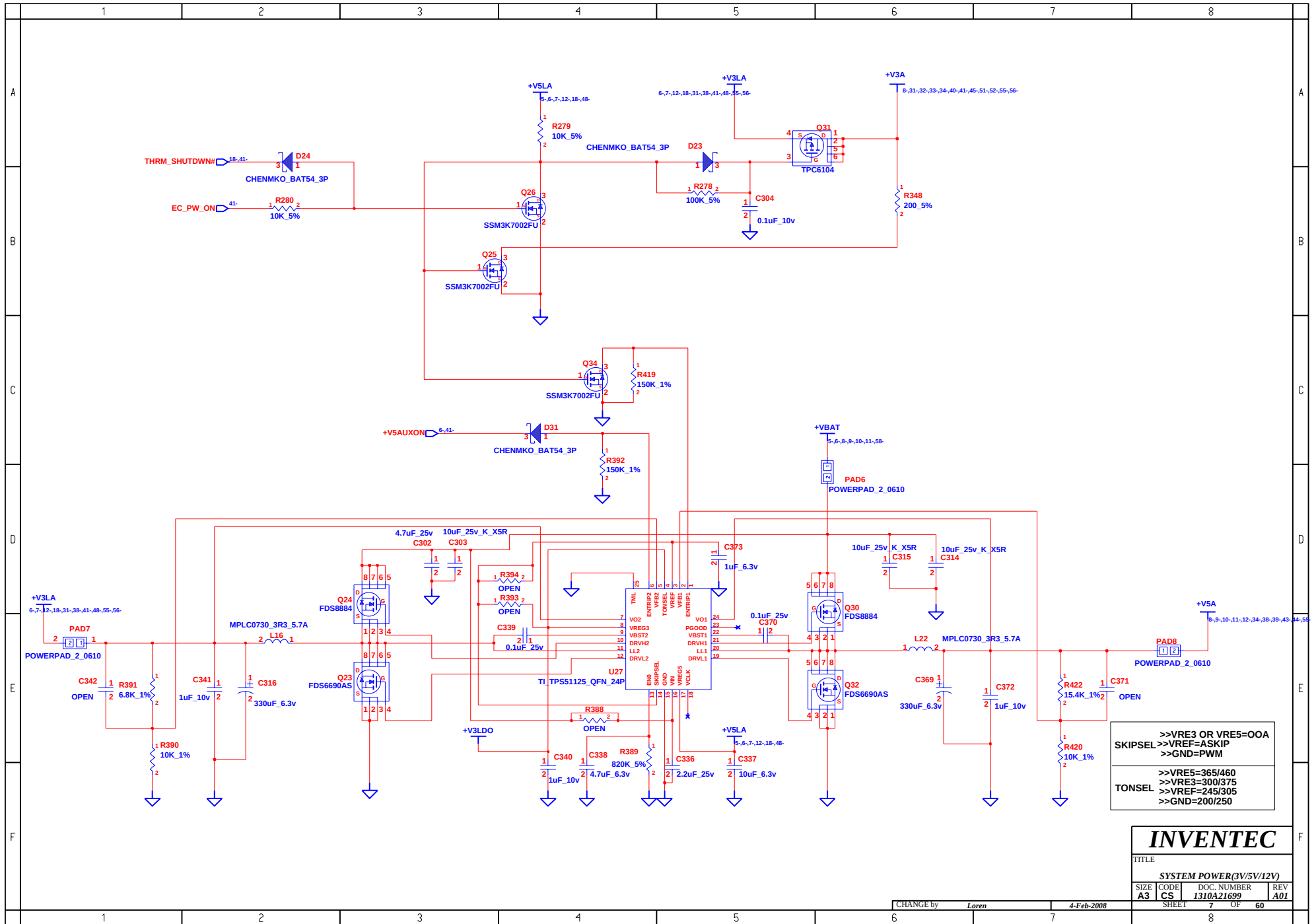
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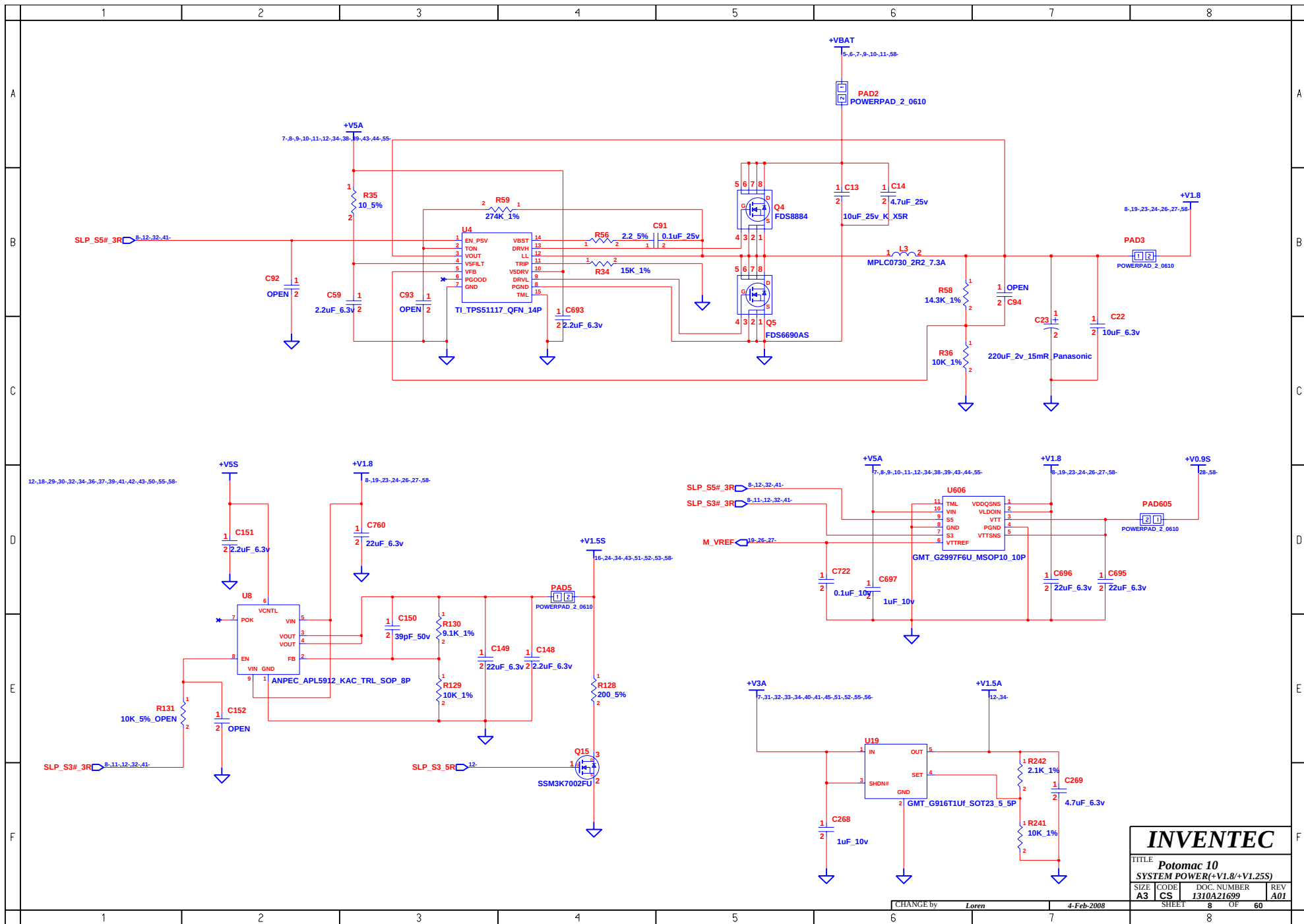
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SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

CHANGE by	Loren	4-Feb-2008
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CS	1310A21699
SHEET	6 OF 60



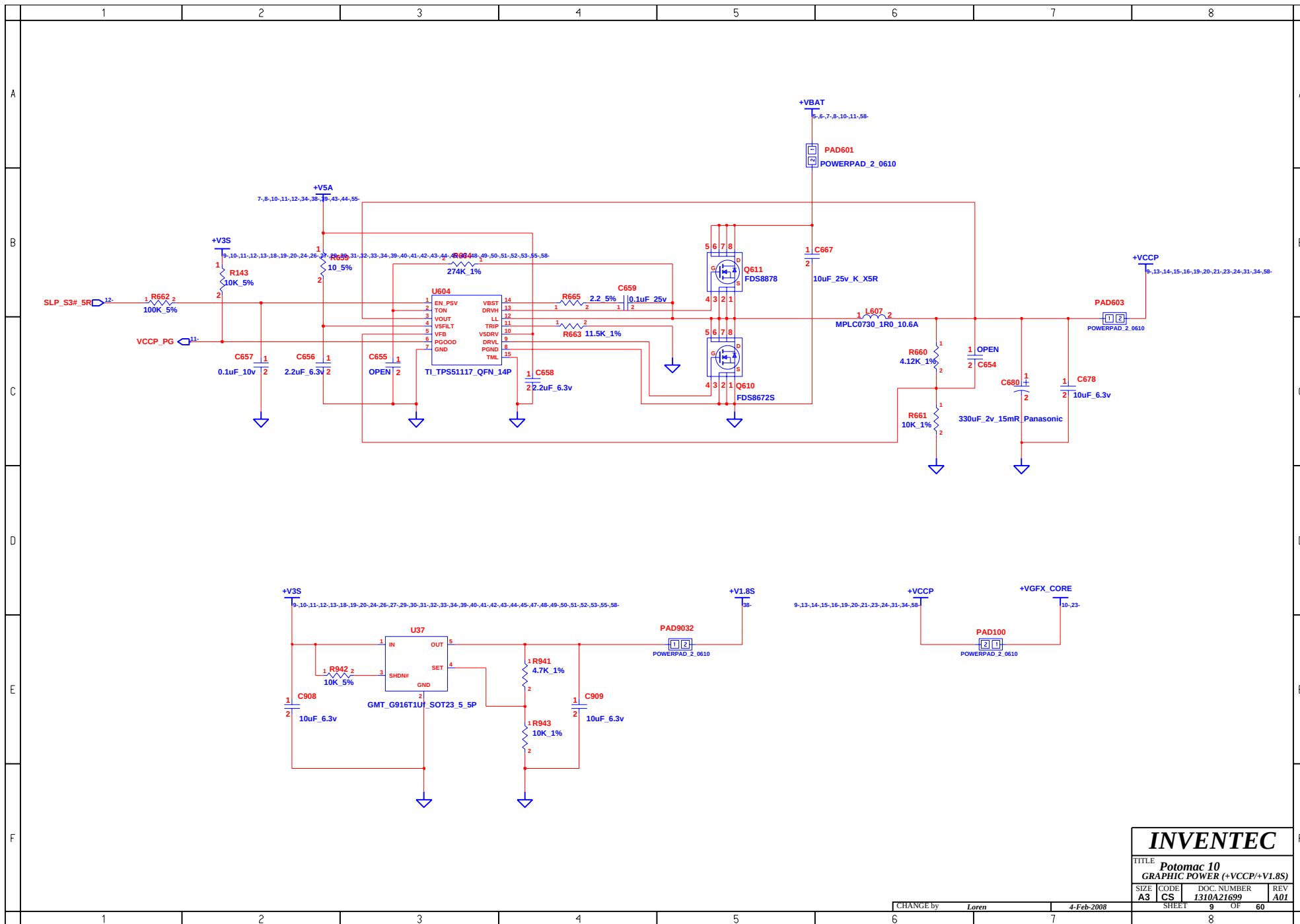


INVENTEC

TITLE			
Potomac 10			
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SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21699	A01

CHANGE by Loren 4-Feb-2008

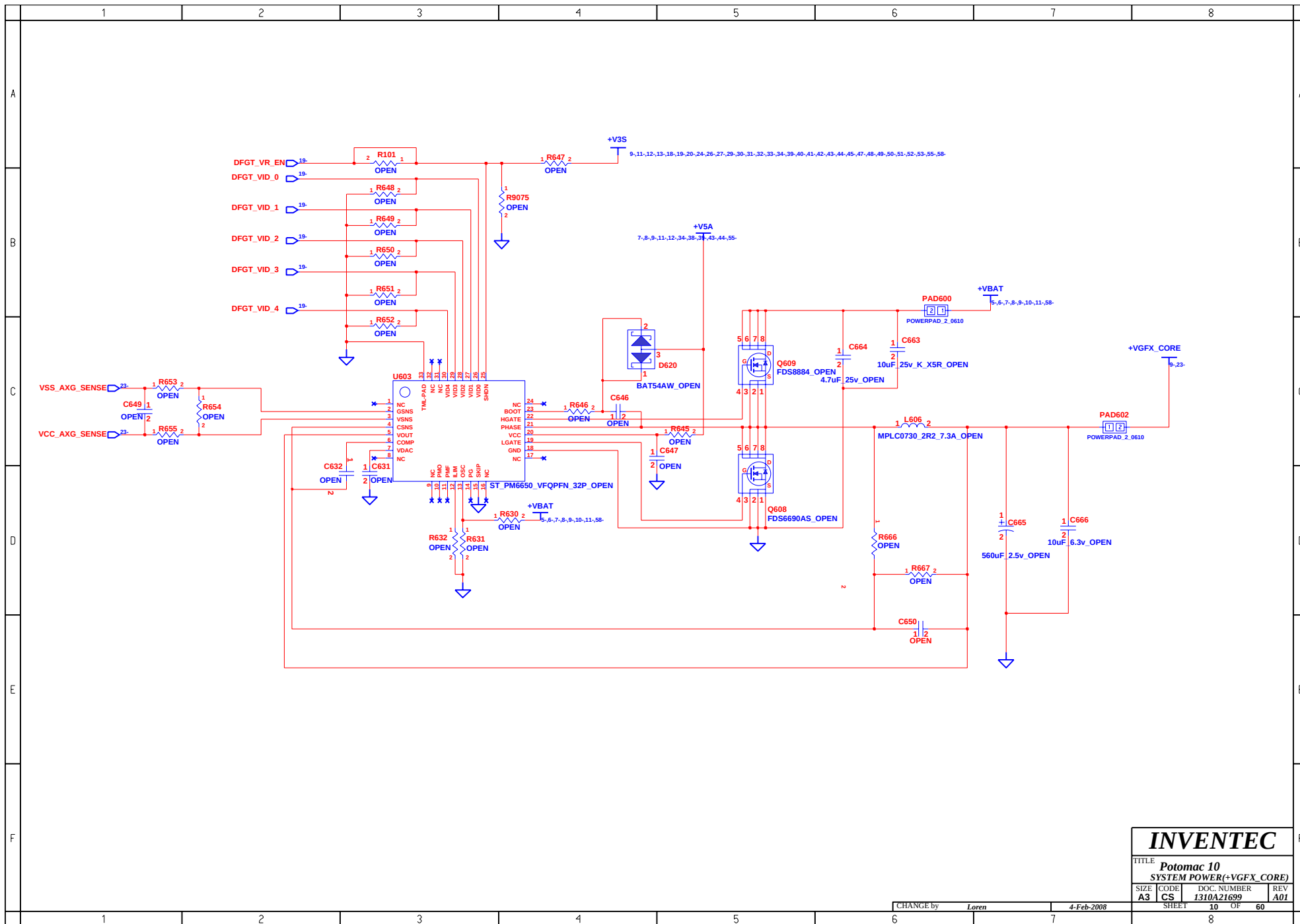
SHEET 8 OF 60



INVENTEC			
TITLE			
Potomac 10			
GRAPHIC POWER (+VCCP/+V1.8S)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AZ1699	A01

CHANGE by Loren 4-Feb-2008

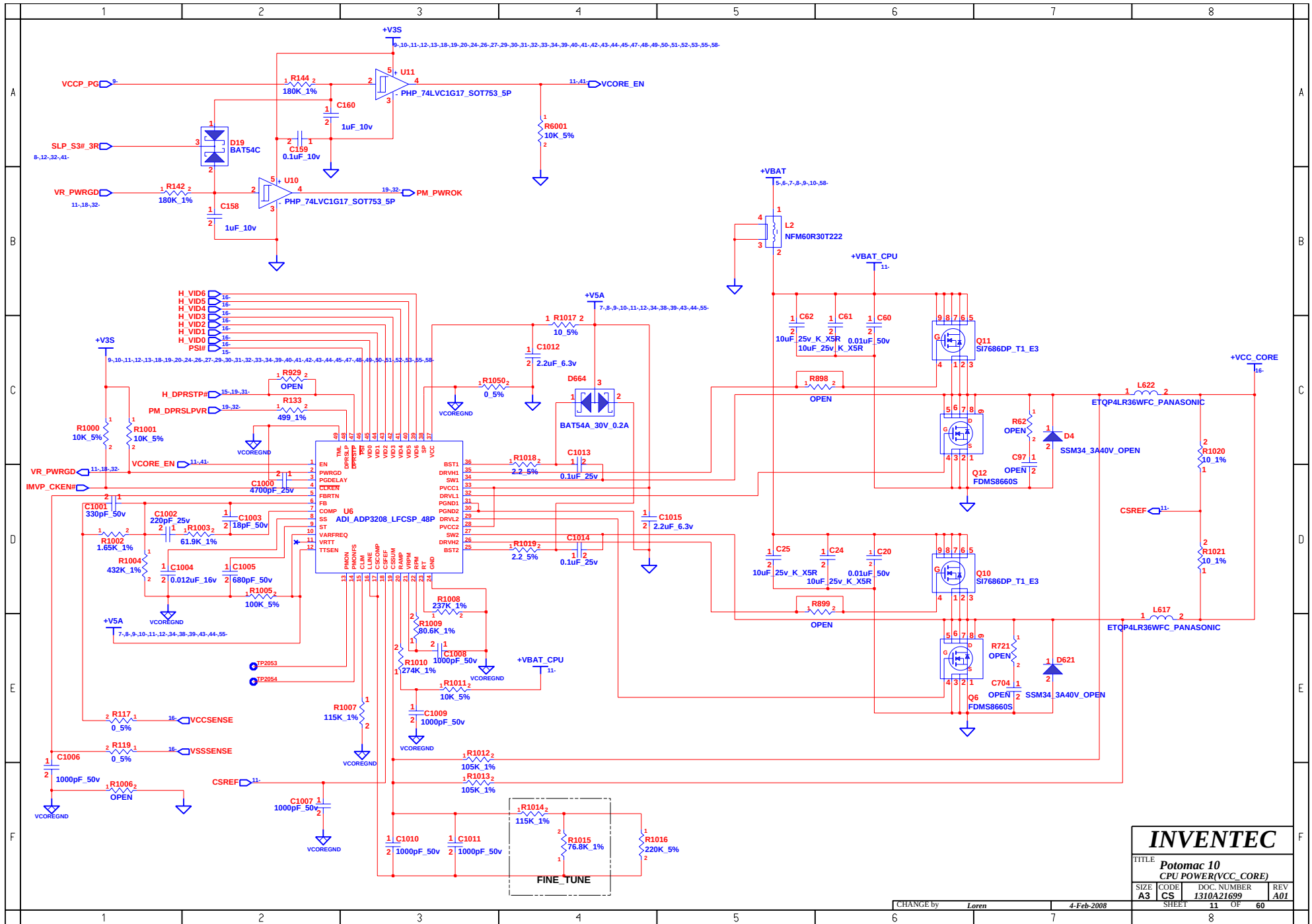
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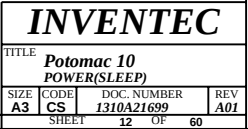


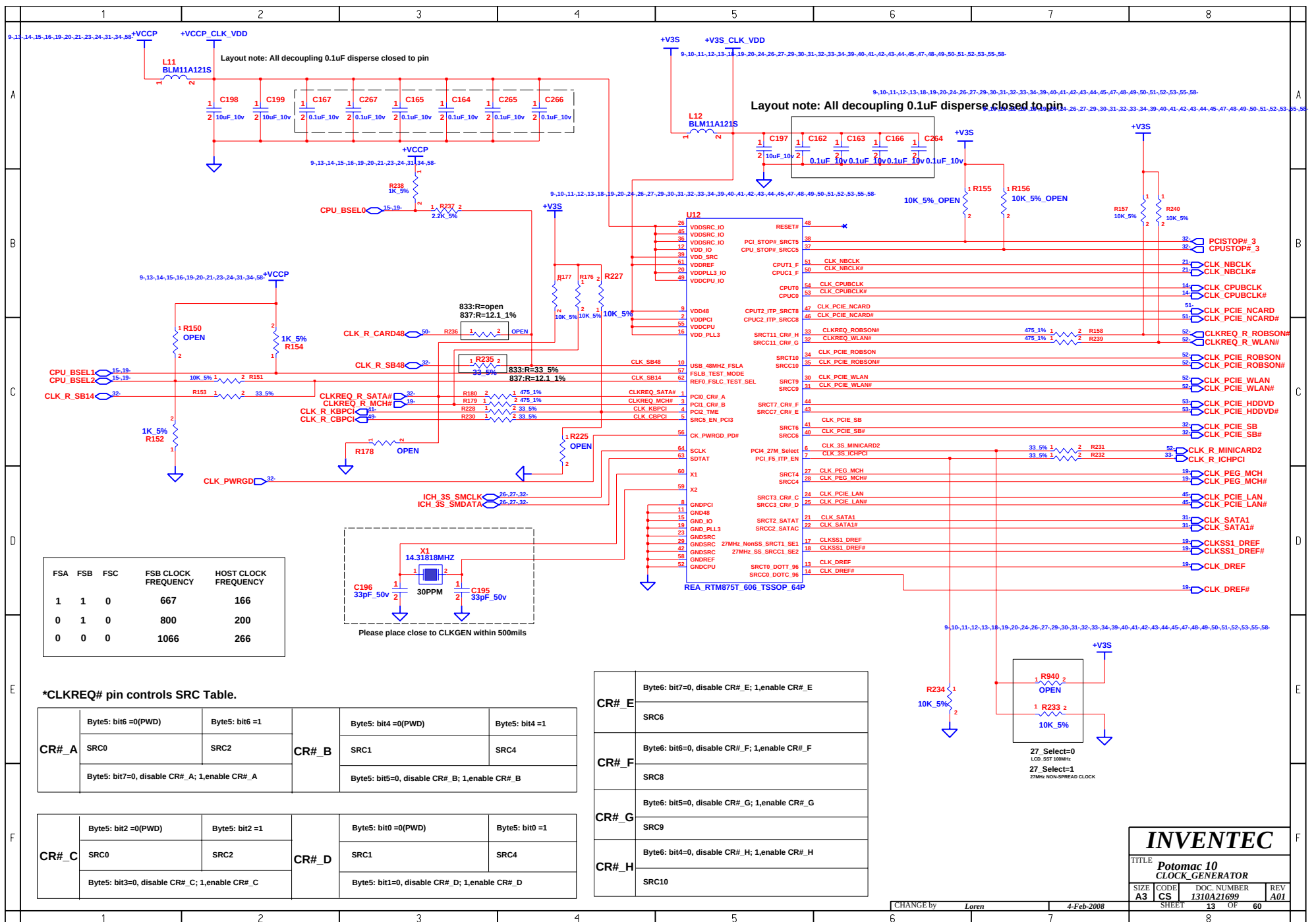
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TITLE			
Potomac 10			
SYSTEM POWER(+VGFX_CORE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21699	A01

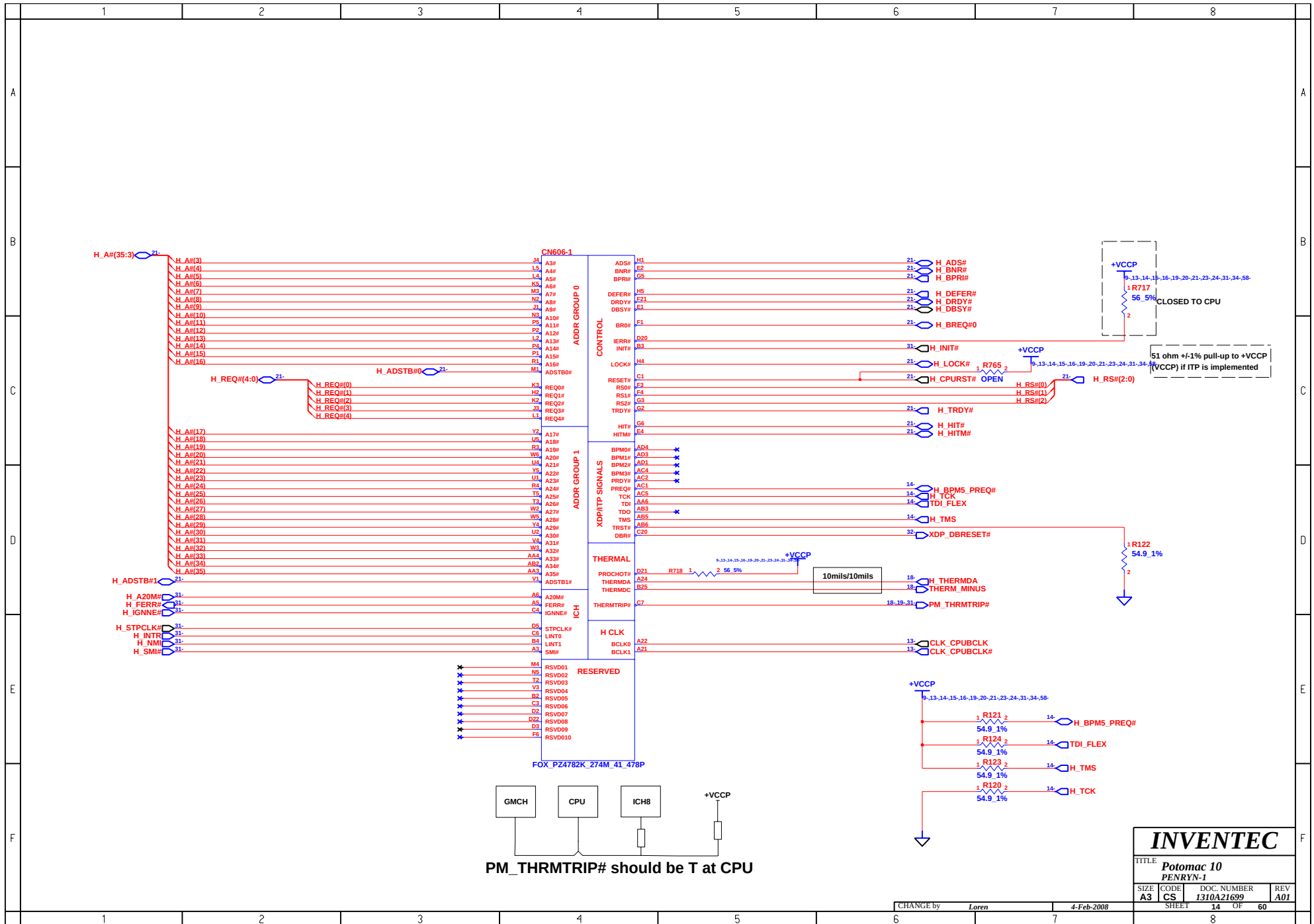
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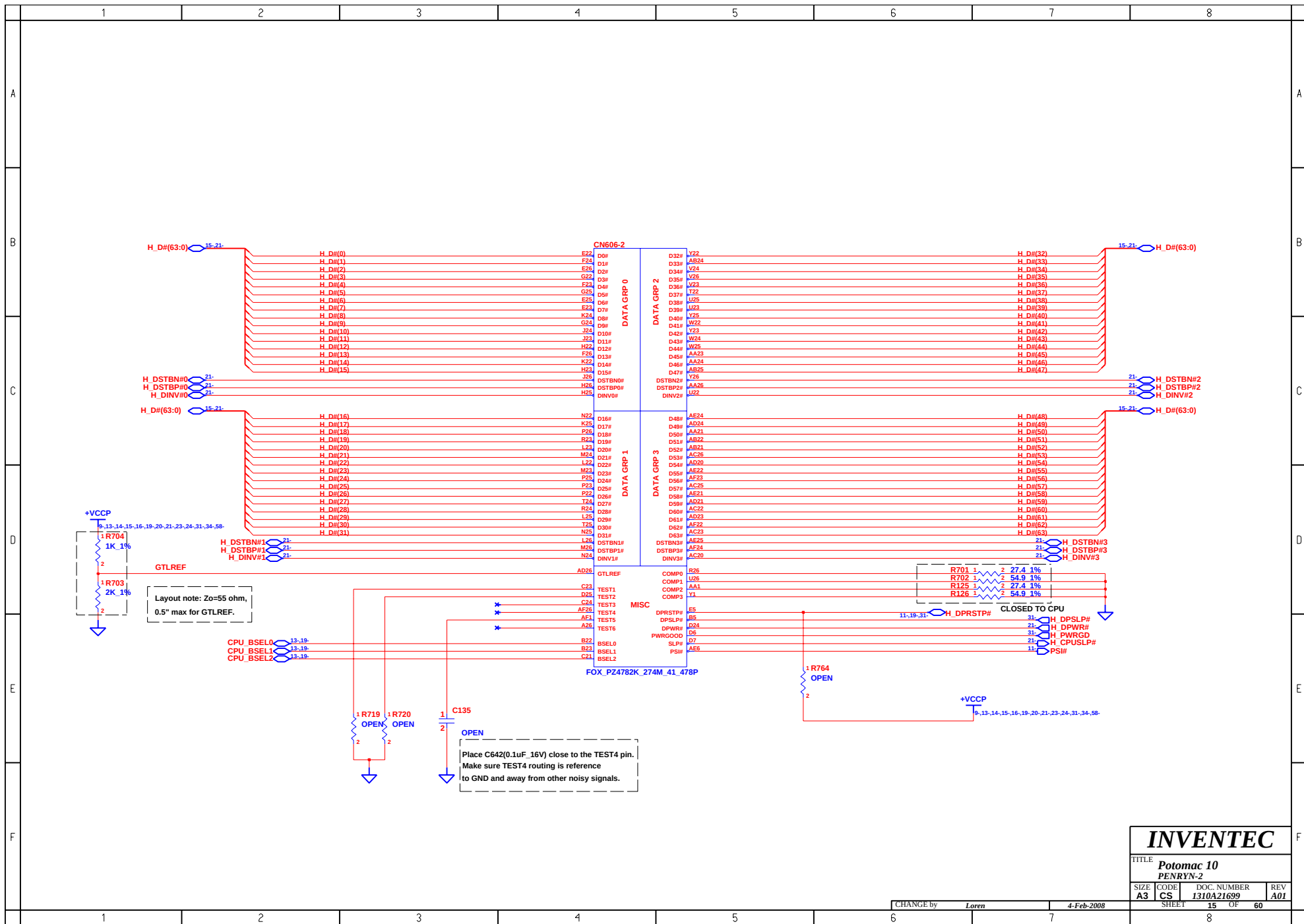
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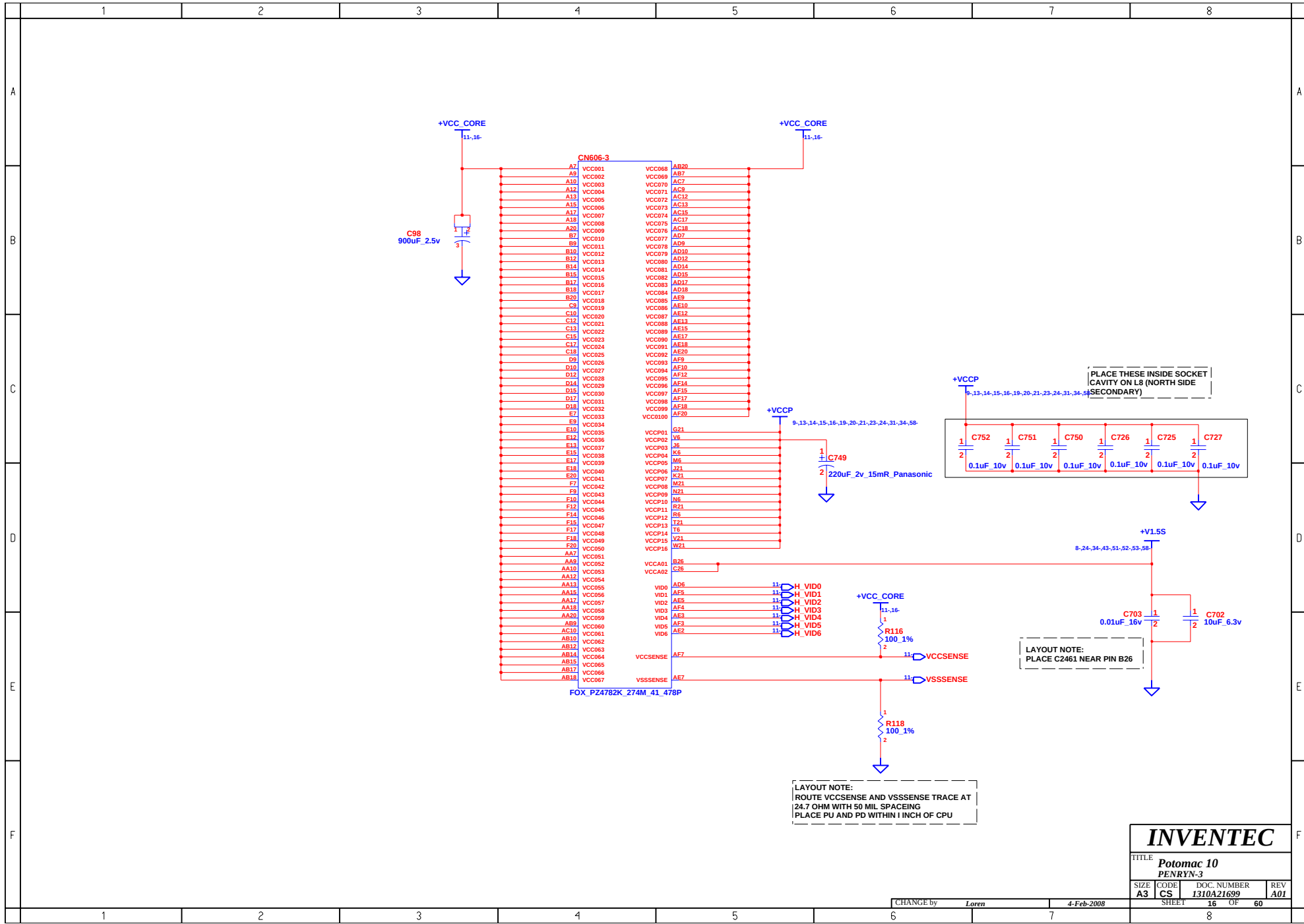
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TITLE
Potomac 10
PENRYN-2

SIZE A3	CODE CS	DOC. NUMBER I310AZ1699	REV A01
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CHANGE by **Loren** 4-Feb-2008

SHEET **15** OF **60**



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

CN606-4

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

J2

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

P1

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

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VSS159

AF19

VSS160

AF21

VSS161

AF25

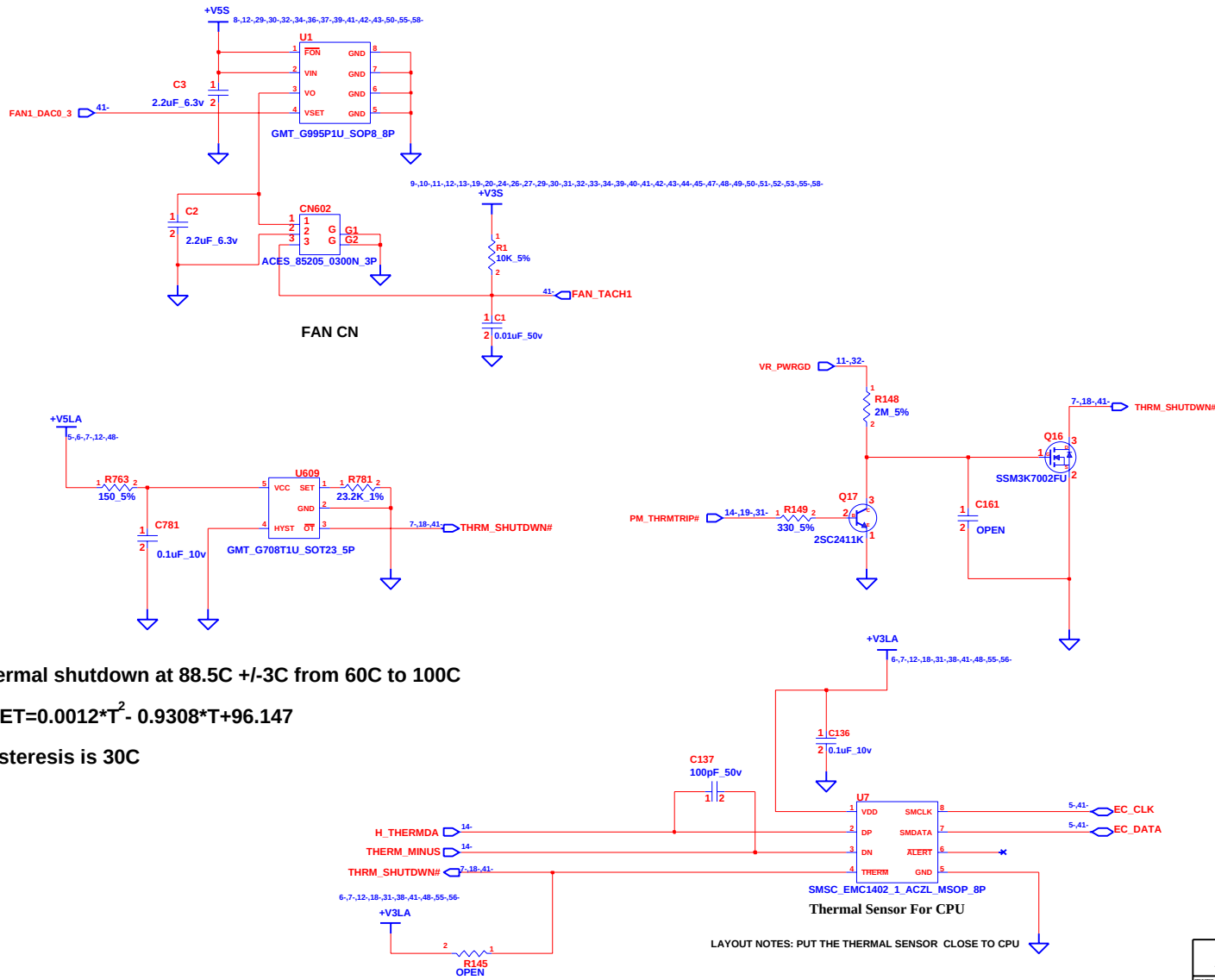
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VSS163

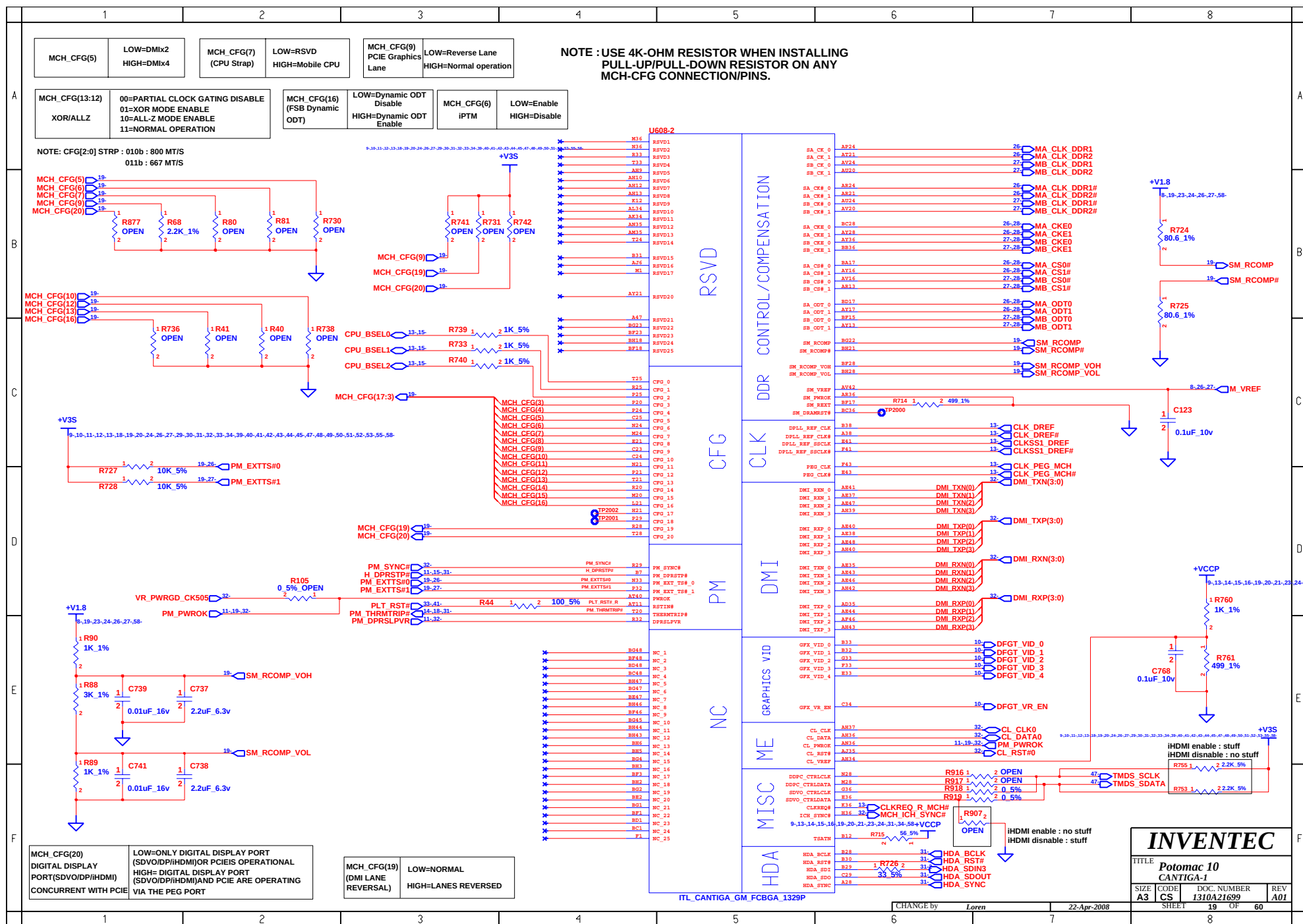
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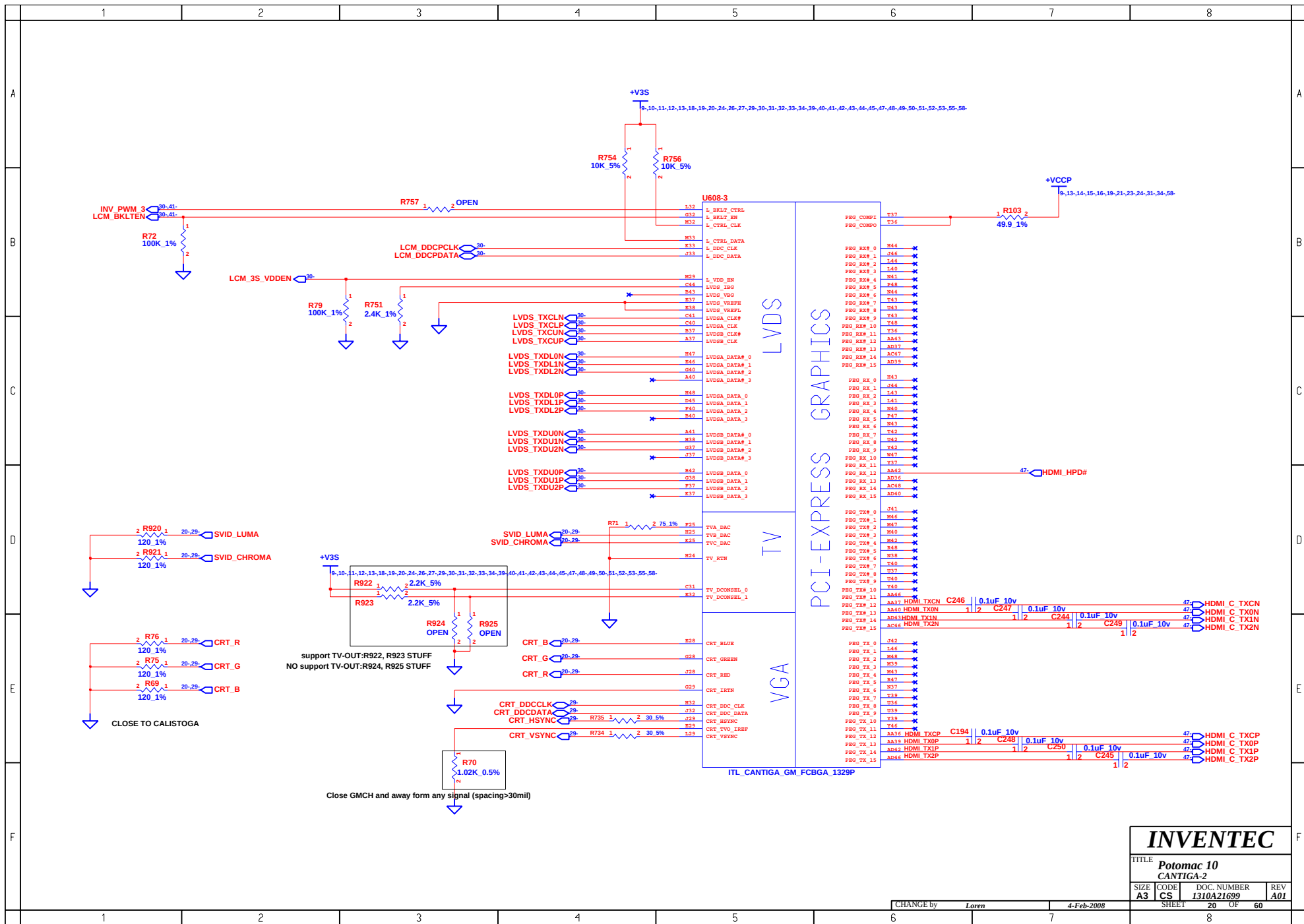
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SIZE A3	CODE CS	DOC. NUMBER 1310AZ1699	REV A01
CHANGE by Loren		4-Feb-2008	
SHEET 17		OF 60	



INVENTEC			
TITLE Potomac 10 THERMAL&FAN CONTROLLER			
SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
SHEET 18		OF 60	

CHANGE by *Loren* 4-Feb-2008





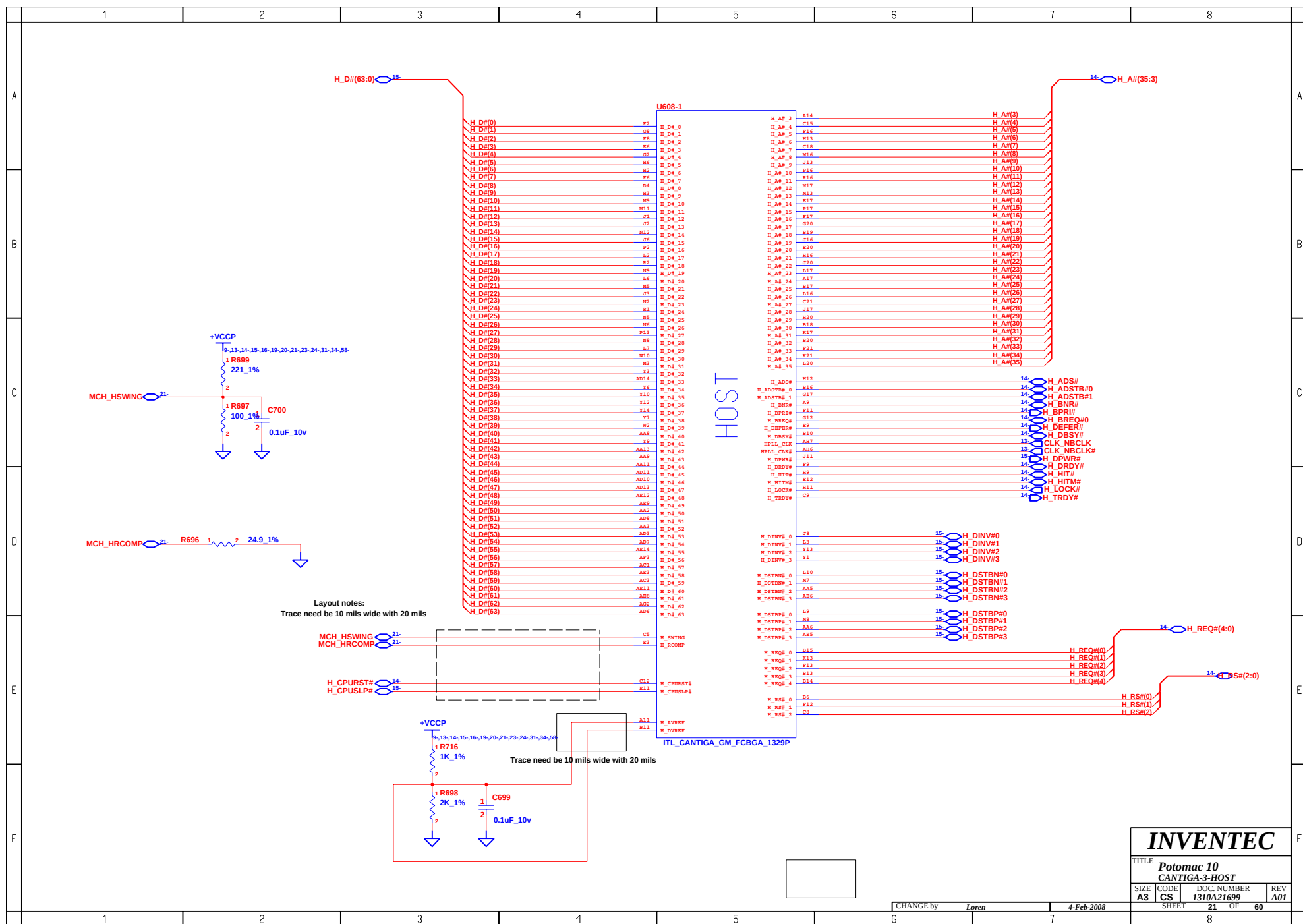
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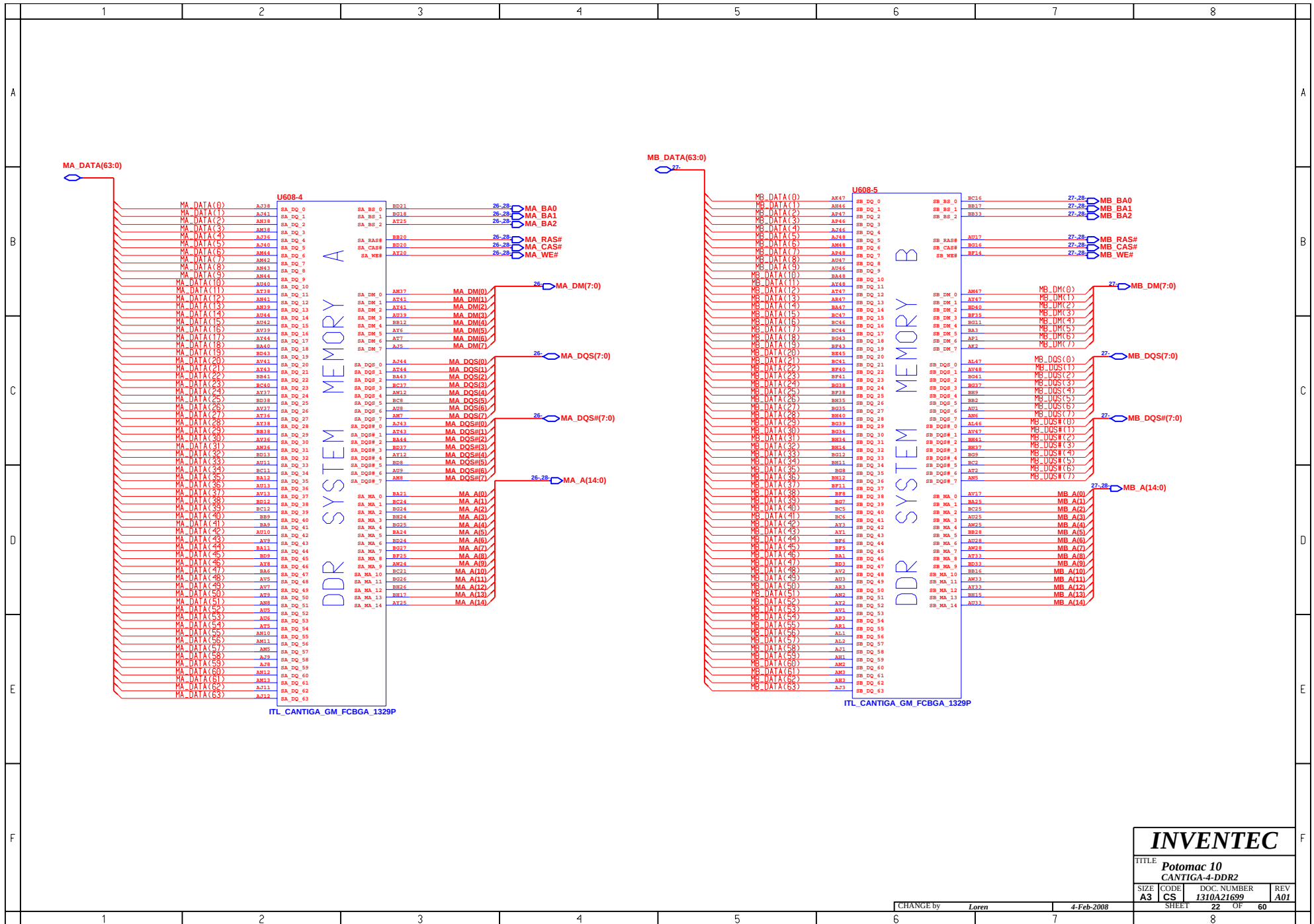
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**Potomac 10
CANTIGA-2**

SIZE A3	CODE CS	DOC. NUMBER 1310A21699	REV A01
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CHANGE by **Loren** 4-Feb-2008

SHEET 20 OF 60





INVENTEC

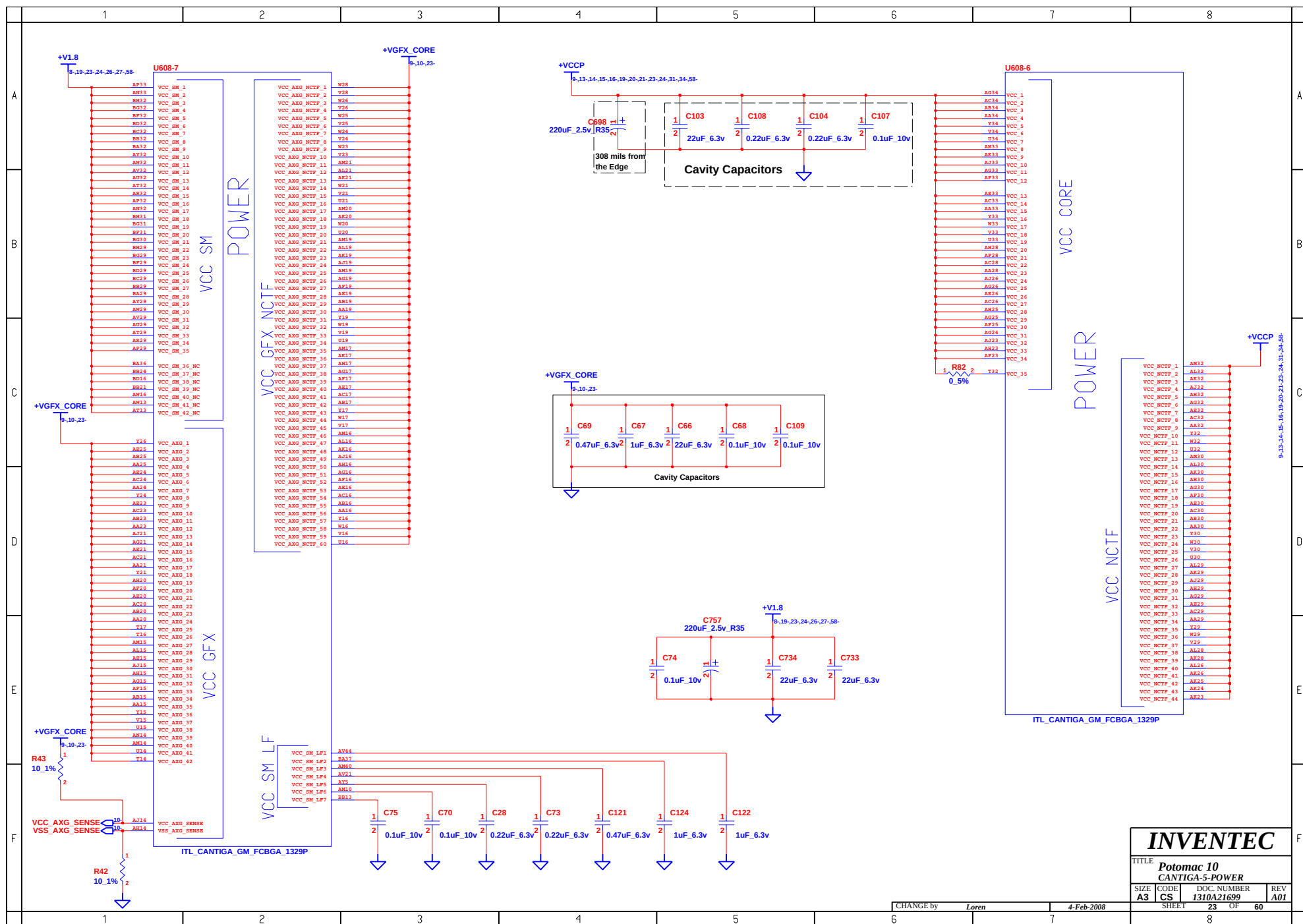
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CANTIGA-4-DDR2

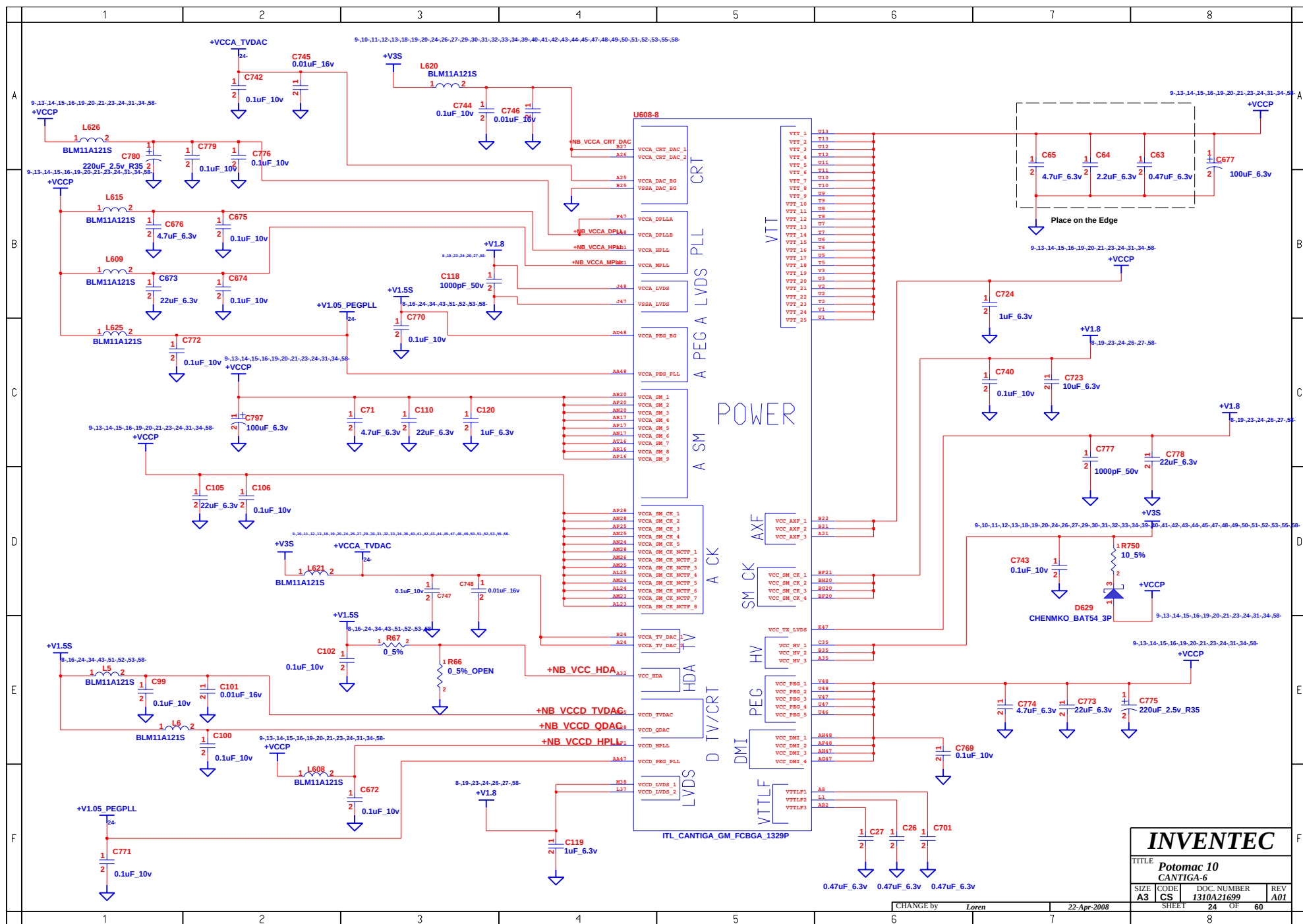
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A3	CS	1310A21699	A01

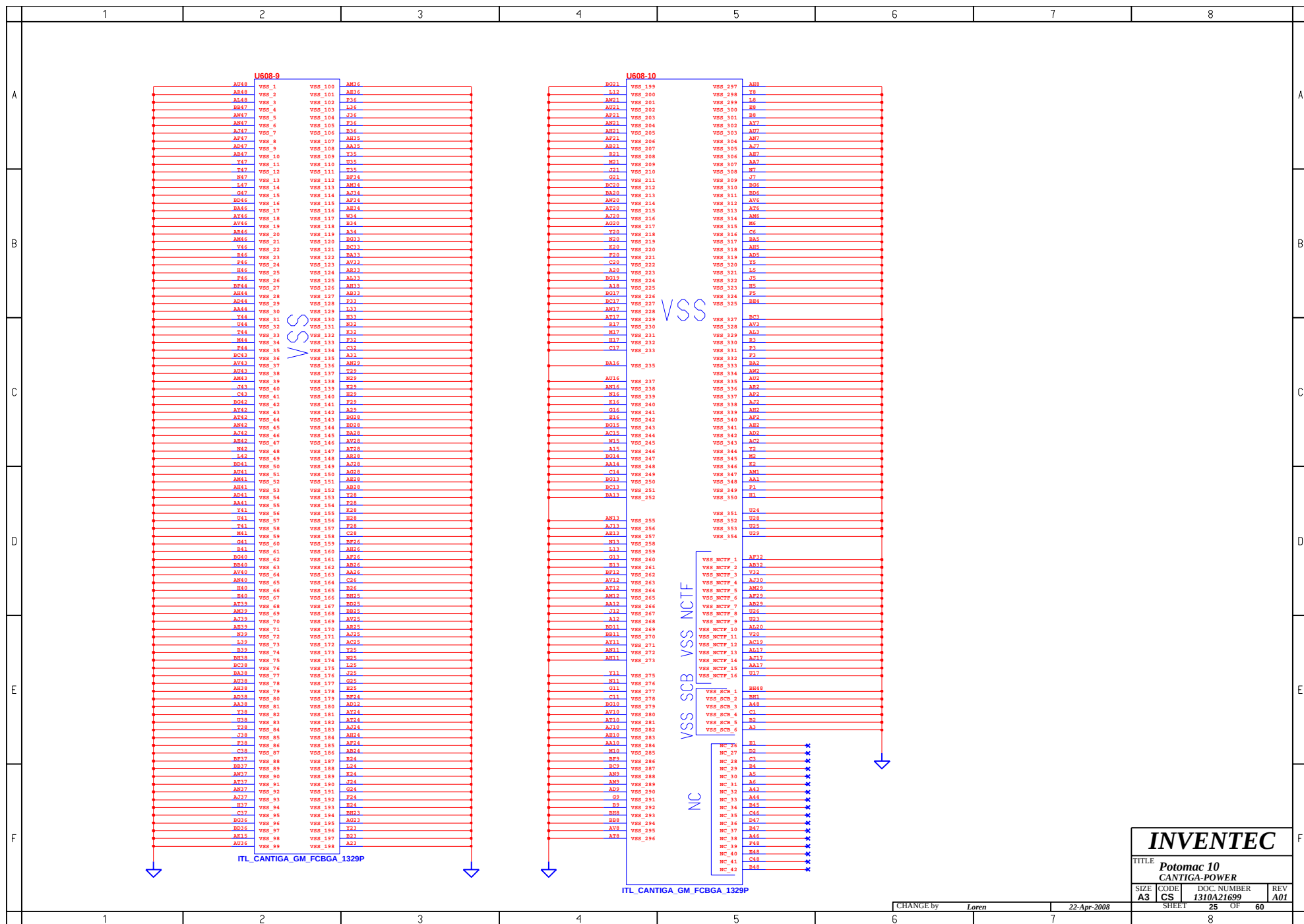
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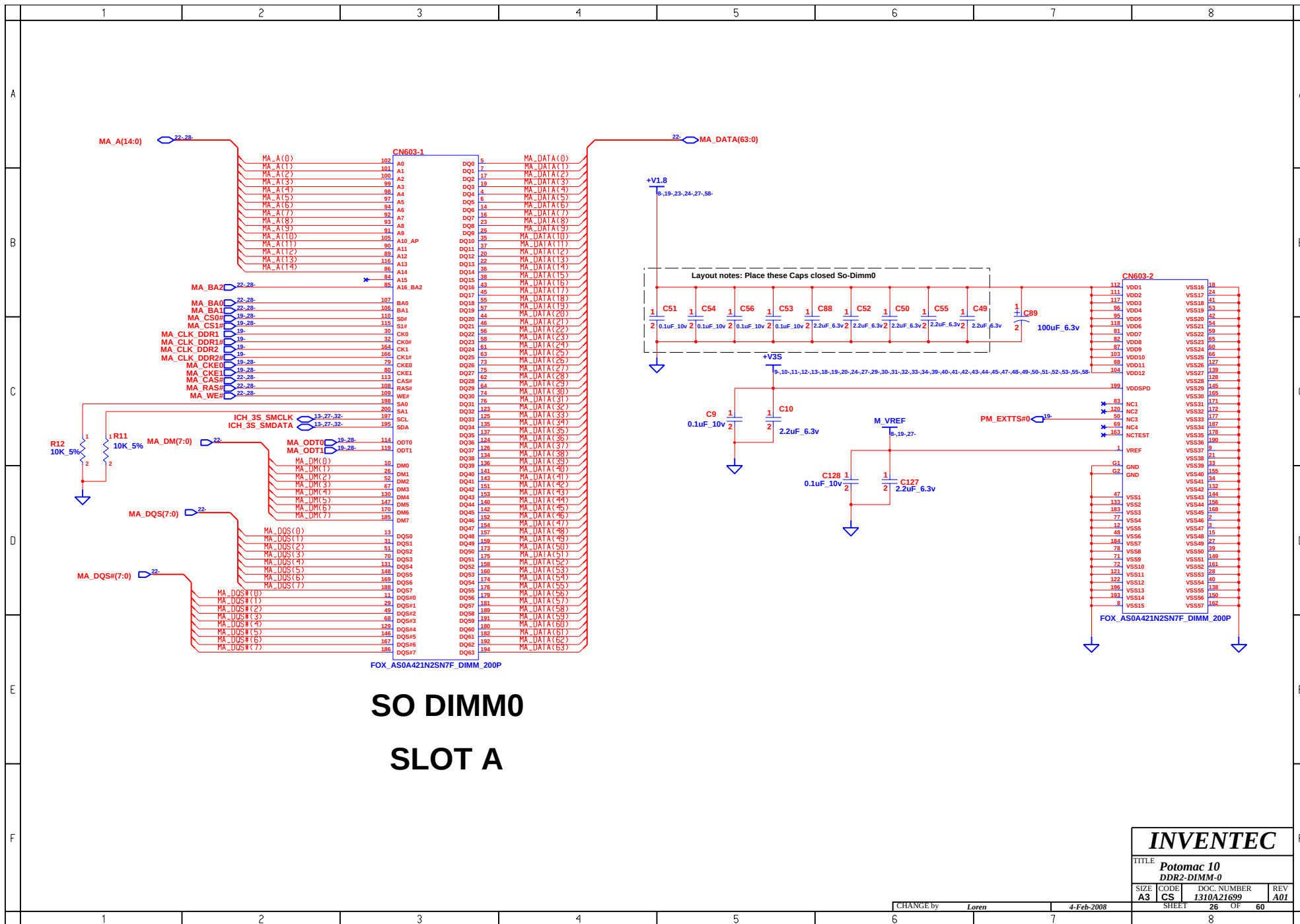
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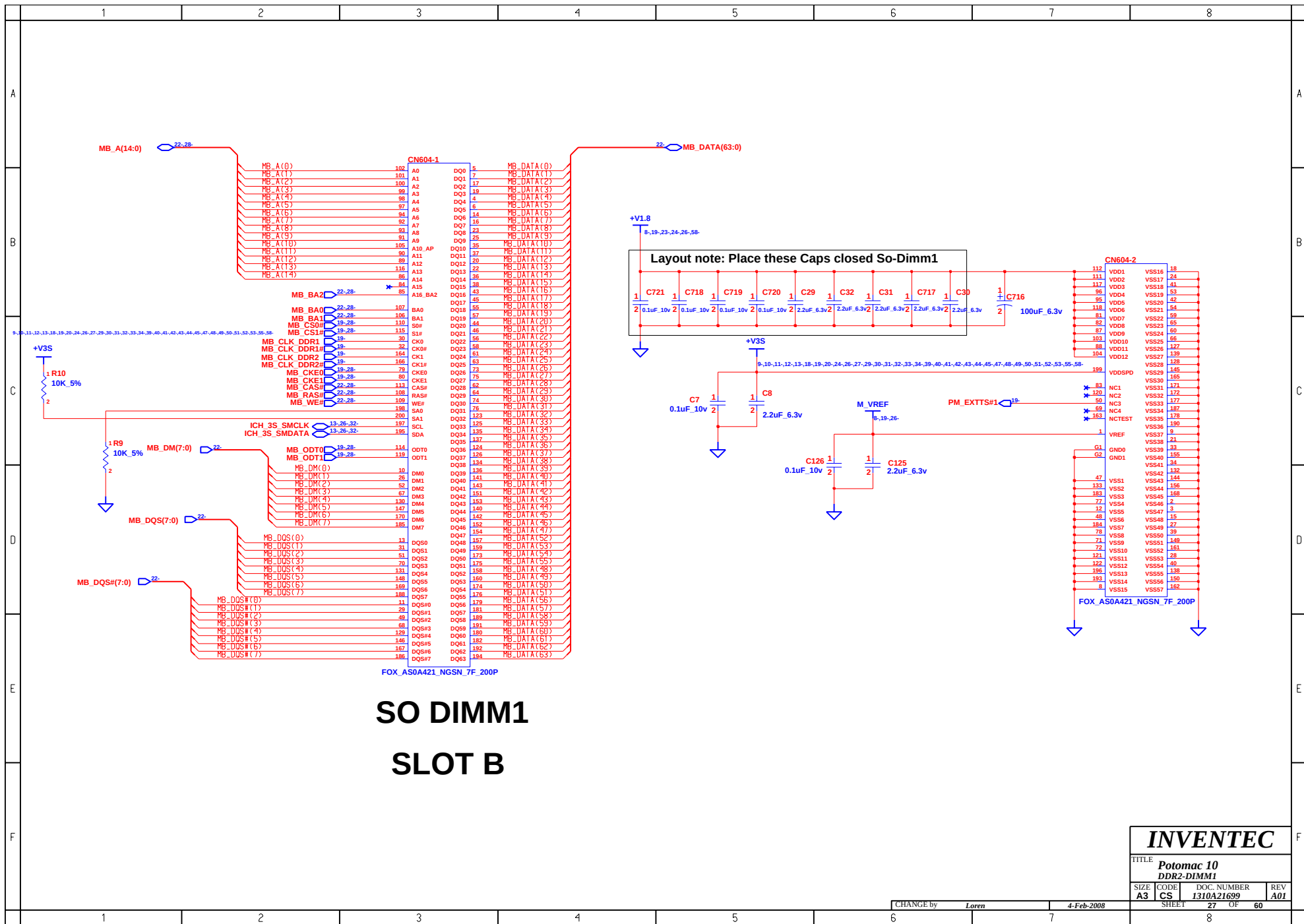
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SO DIMM1
SLOT B

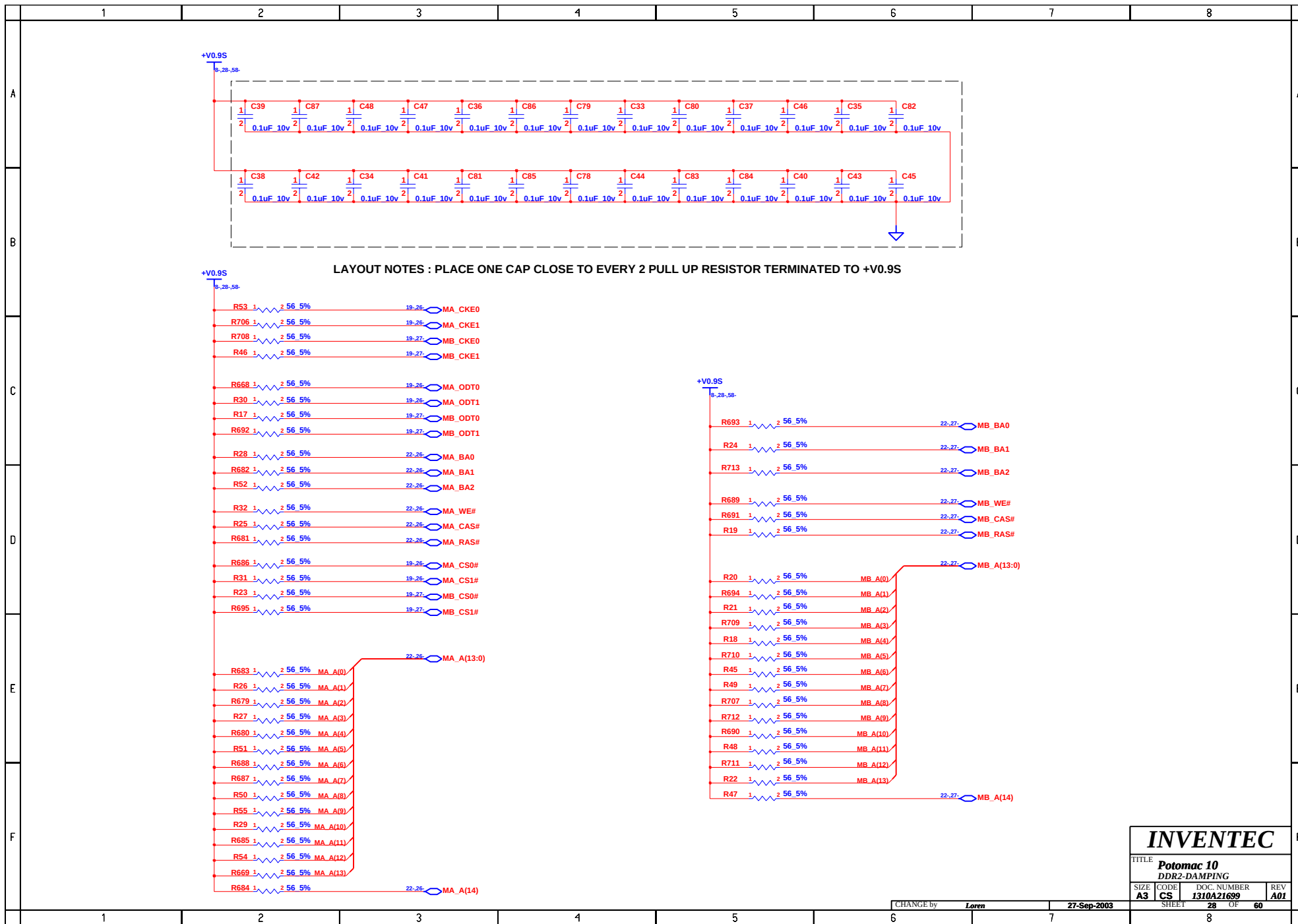
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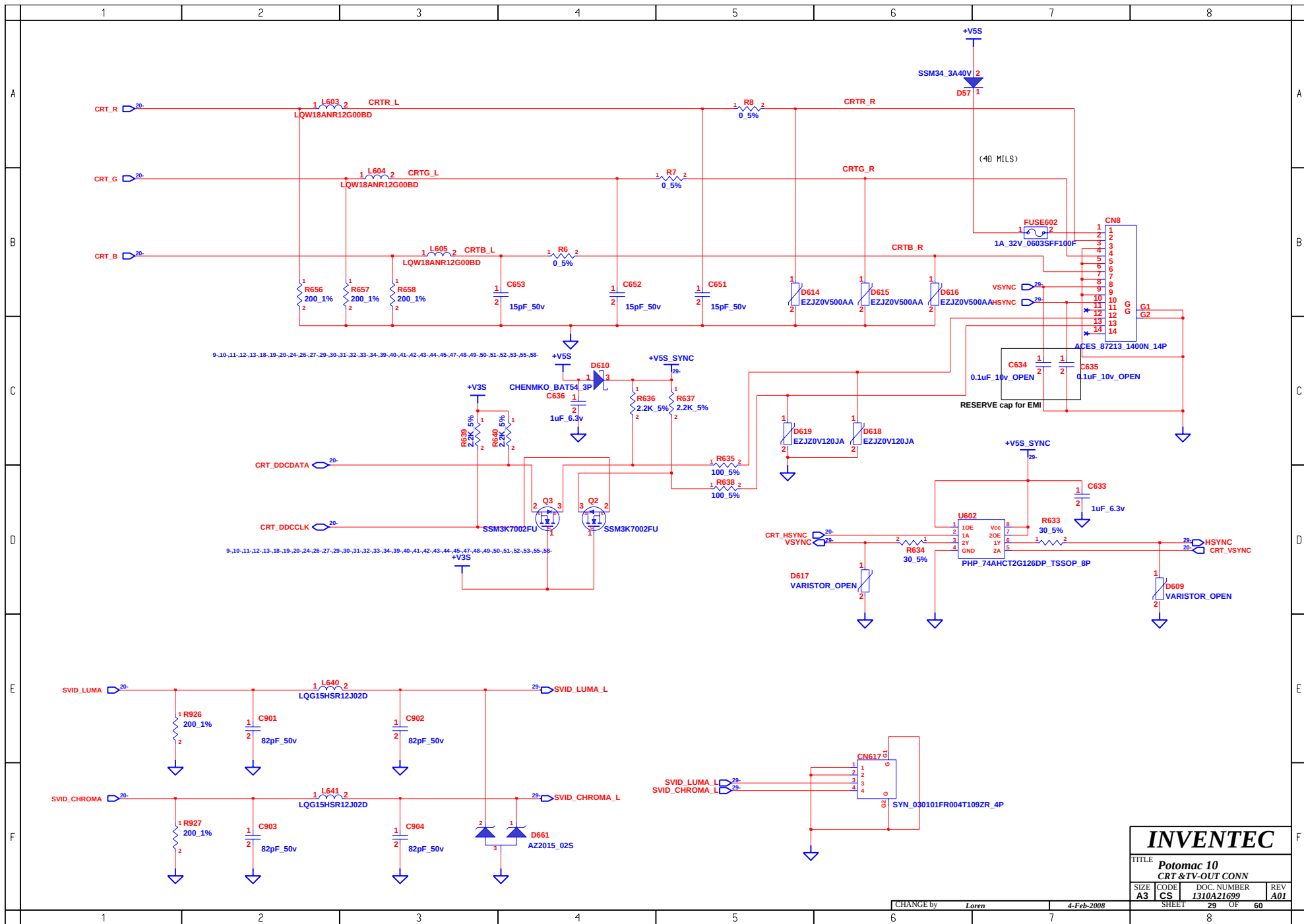
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DDR2-DIMM1

SIZE CODE DOC. NUMBER REV
A3 CS 1310A21699 A01

CHANGE by Loren 4-Feb-2008

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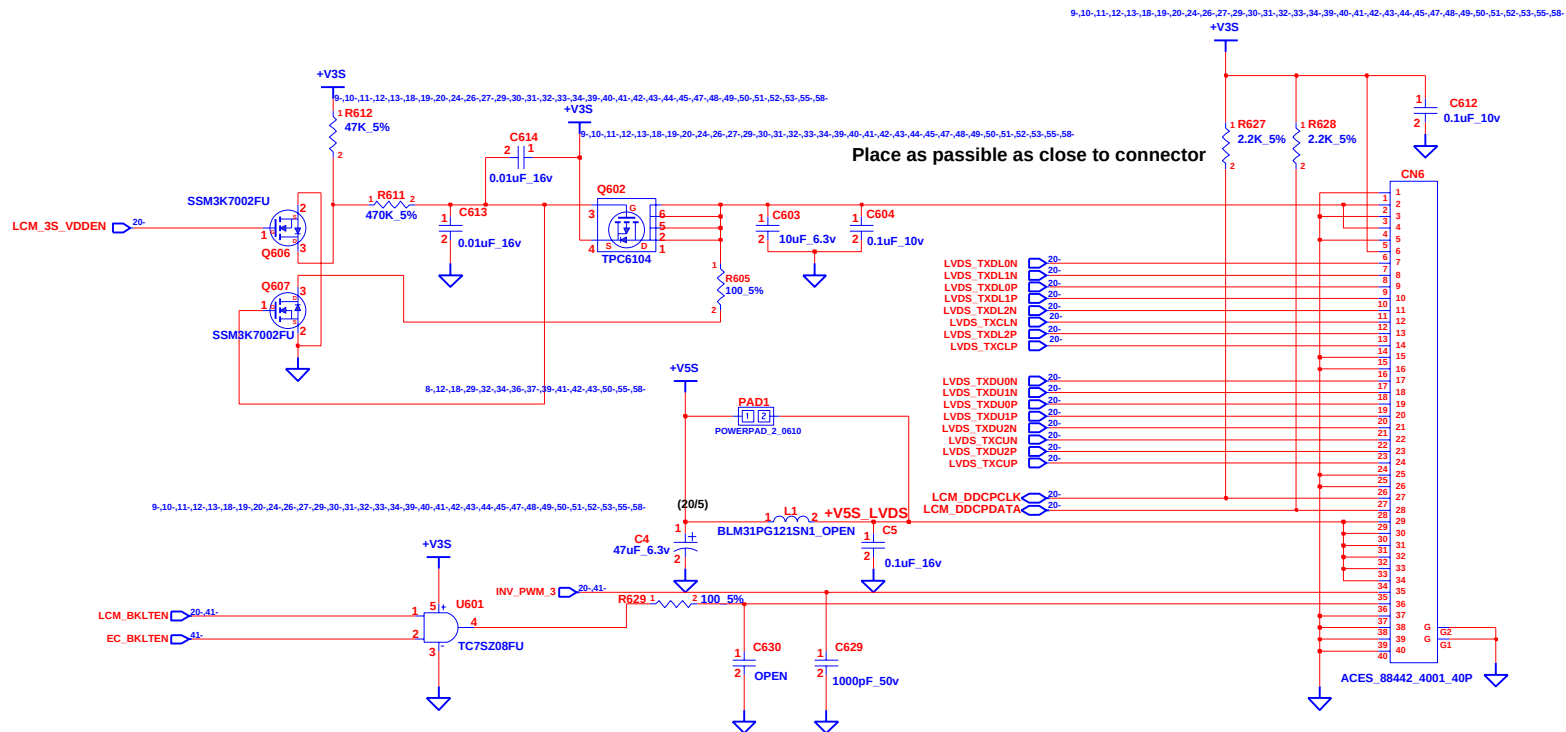
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TITLE			
Potomac 10			
CRT & TV-OUT CONN			
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A3	CS	I310A21699	A01

CHANGE by Loren

4-Feb-2008

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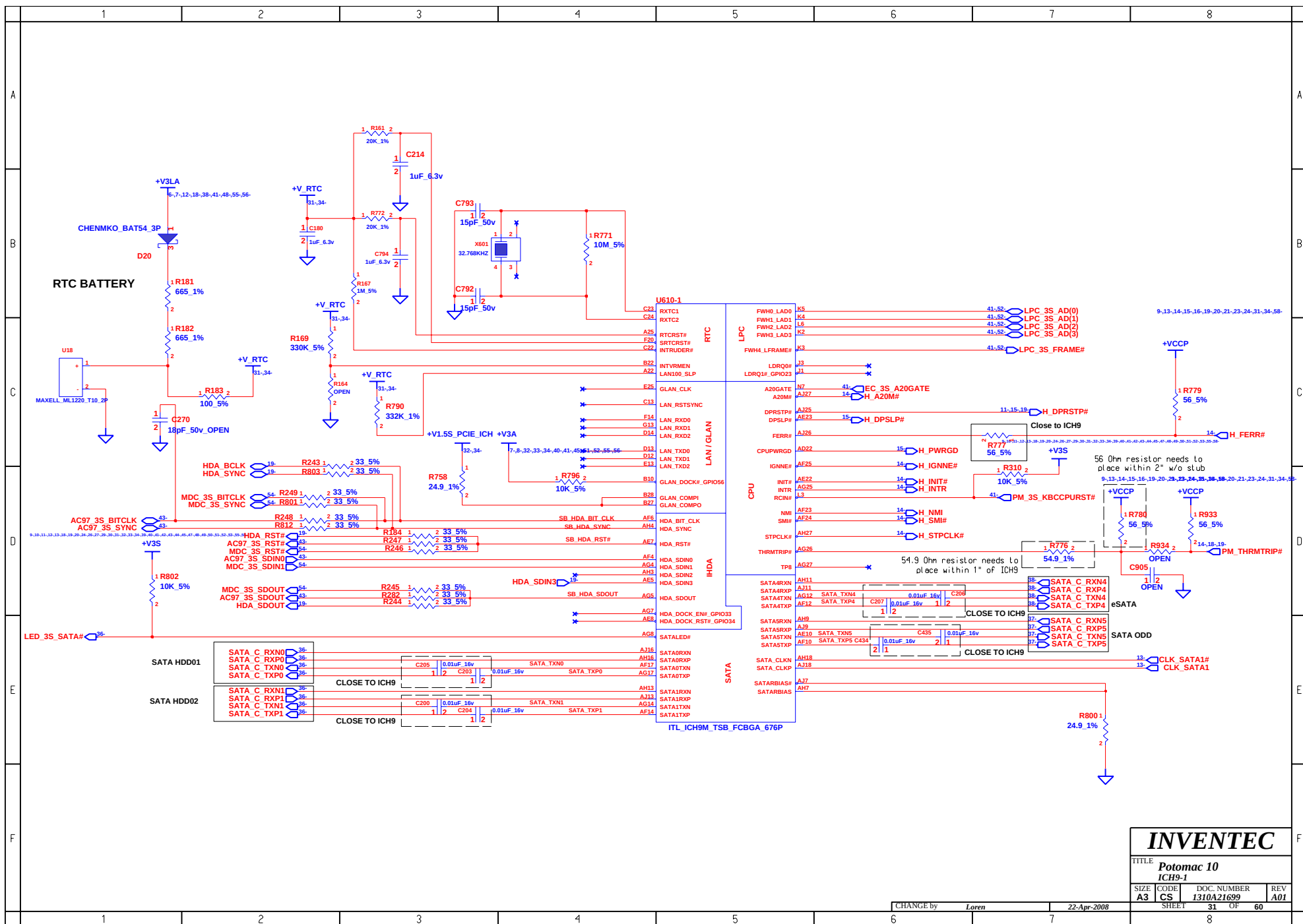
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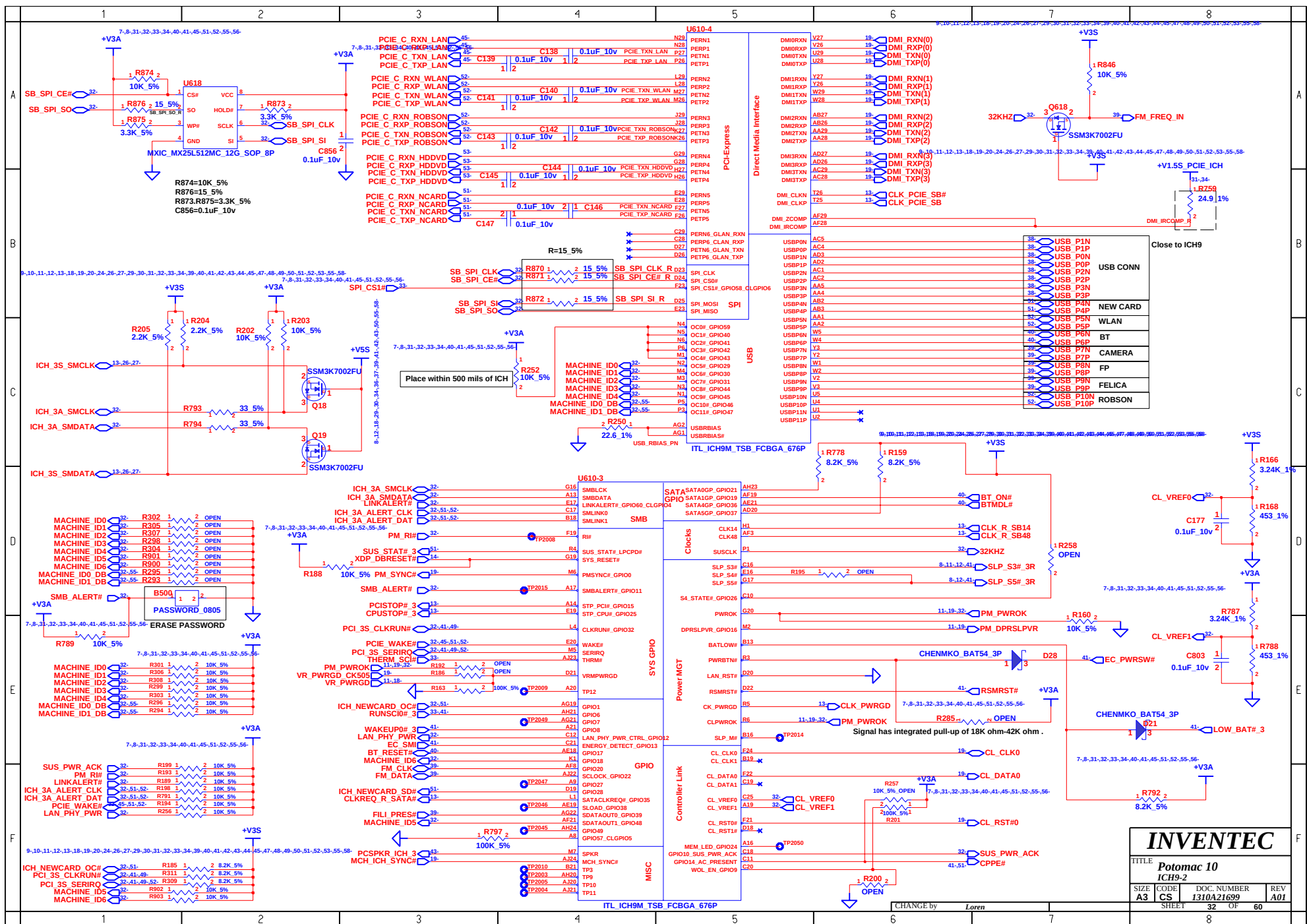
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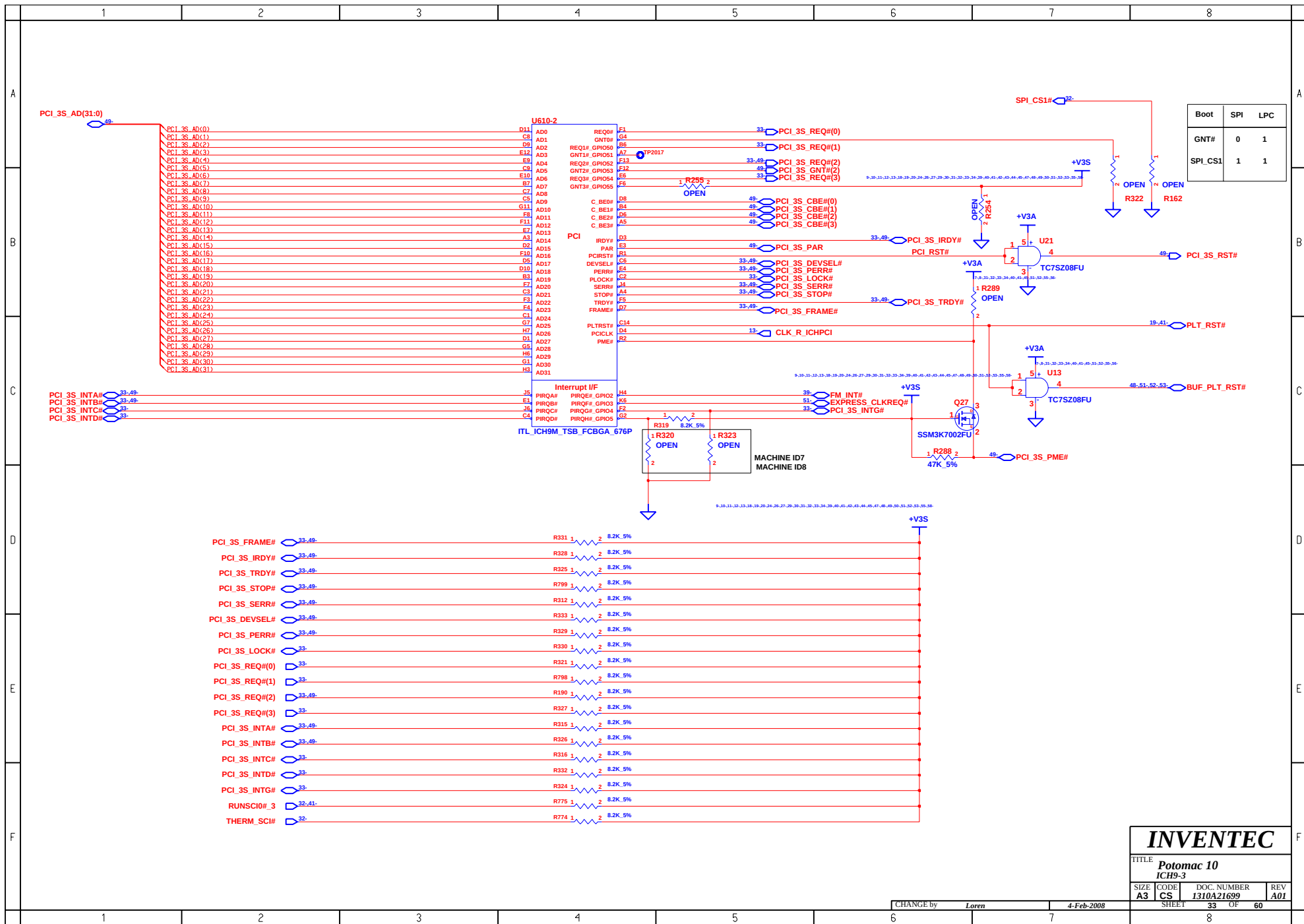
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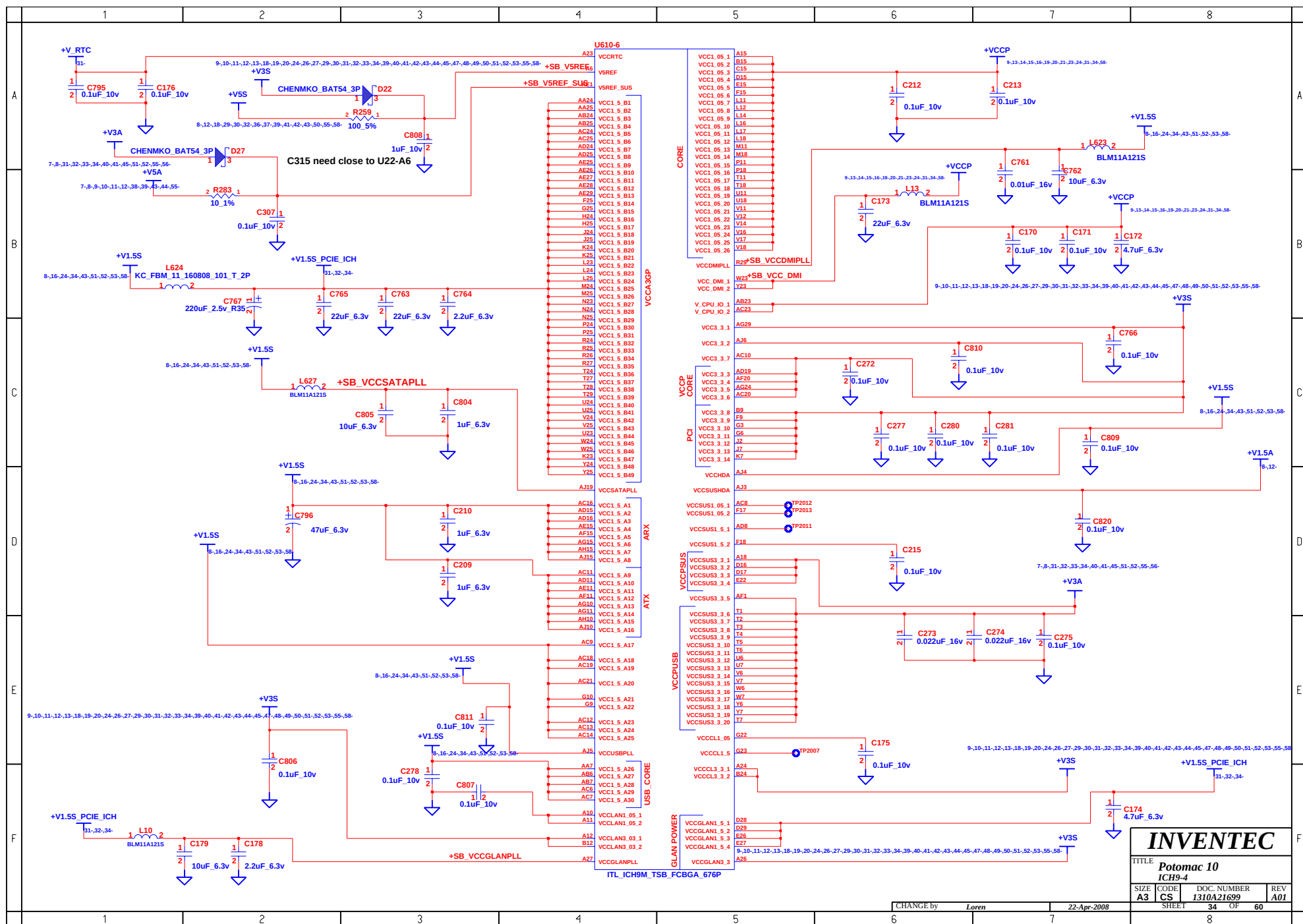
CHANGE by *Loren* 4-Feb-2008

SHEET 30 OF 60









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B									B
C									C
D									D
E									E
F									F

U610-5

AA26 VSS001

AA27 VSS002

AA28 VSS003

AA29 VSS004

AB1 VSS005

AA23 VSS006

AB26 VSS007

AB25 VSS008

AB4 VSS009

AB5 VSS010

AC11 VSS011

AC25 VSS012

AC27 VSS013

AC3 VSS014

AD1 VSS015

AD16 VSS016

AD12 VSS017

AD13 VSS018

AD14 VSS019

AD17 VSS020

AD18 VSS021

AD24 VSS022

AD25 VSS023

AD23 VSS024

AD4 VSS025

AD5 VSS026

AD6 VSS027

AD7 VSS028

AD9 VSS029

AE13 VSS030

AE13 VSS031

AE14 VSS032

AE16 VSS033

AE17 VSS034

AE1 VSS035

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AE3 VSS038

AE4 VSS039

AE5 VSS040

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AF13 VSS042

AF16 VSS043

AF18 VSS044

AF24 VSS045

AH25 VSS046

AF26 VSS047

AF27 VSS048

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AF7 VSS050

AF9 VSS051

AG13 VSS052

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B3 VSS077

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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

H3 VSS102

VSS103 VSS NCTF10

H25 VSS104 VSS NCTF11

H28 VSS105 VSS NCTF12

H29 VSS106

VSS107 H5

VSS108 J23

VSS109 J26

VSS110 J27

VSS111 AC22

VSS112 K28

VSS113 K29

VSS114 L12

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

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

VSS165 T15

VSS166 T16

VSS167 T17

VSS168 T23

VSS169 B26

VSS170 U12

VSS171 U13

VSS172 U14

VSS173 U15

VSS174 U16

VSS175 U17

VSS176 AD23

VSS177 U26

VSS178 U27

VSS179 U3

VSS180 V1

VSS181 V13

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 AH28

VSS NCTF7 AJ1

VSS NCTF8 AJ2

VSS NCTF9 AJ28

VSS NCTF10 B1

VSS NCTF11 B29

ITL ICH9M_TSB_FCBGA_676P

CHANGE by

Loren

4-Feb-2008

SIZE

A3

CODE

CS

DOC. NUMBER

1310AZ1699

SHEET

35

OF

60

REV

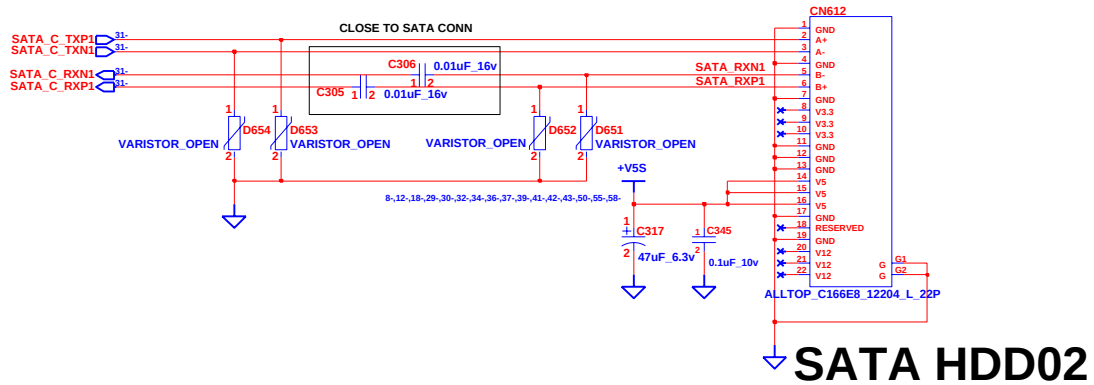
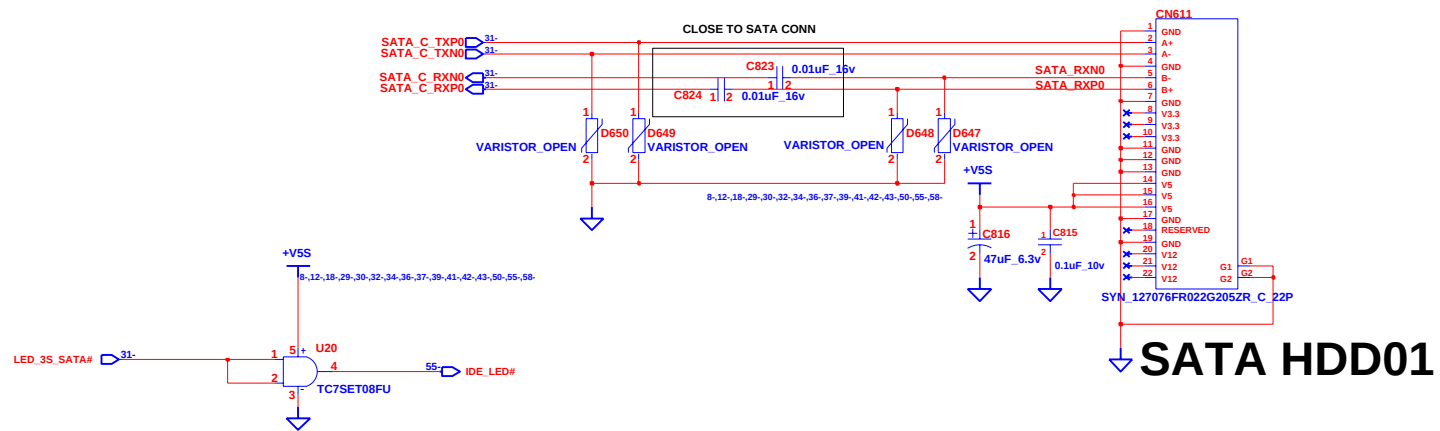
A01

INVENTEC

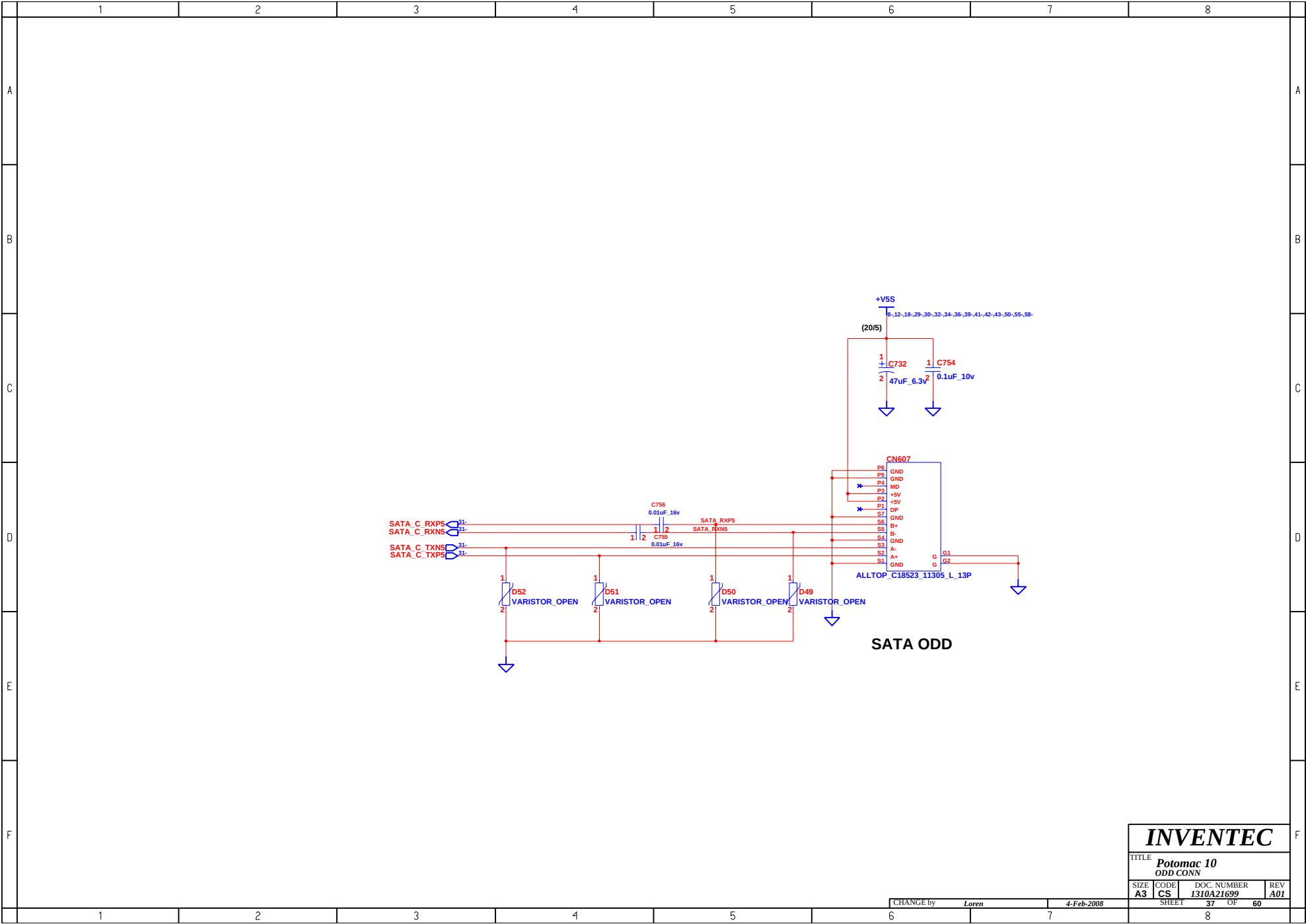
TITLE

Potomac 10

ICH9-5



INVENTEC			
TITLE Potomac 10 HDD CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
CHANGE by Loren		4-Feb-2008	
SHEET 36		OF 60	



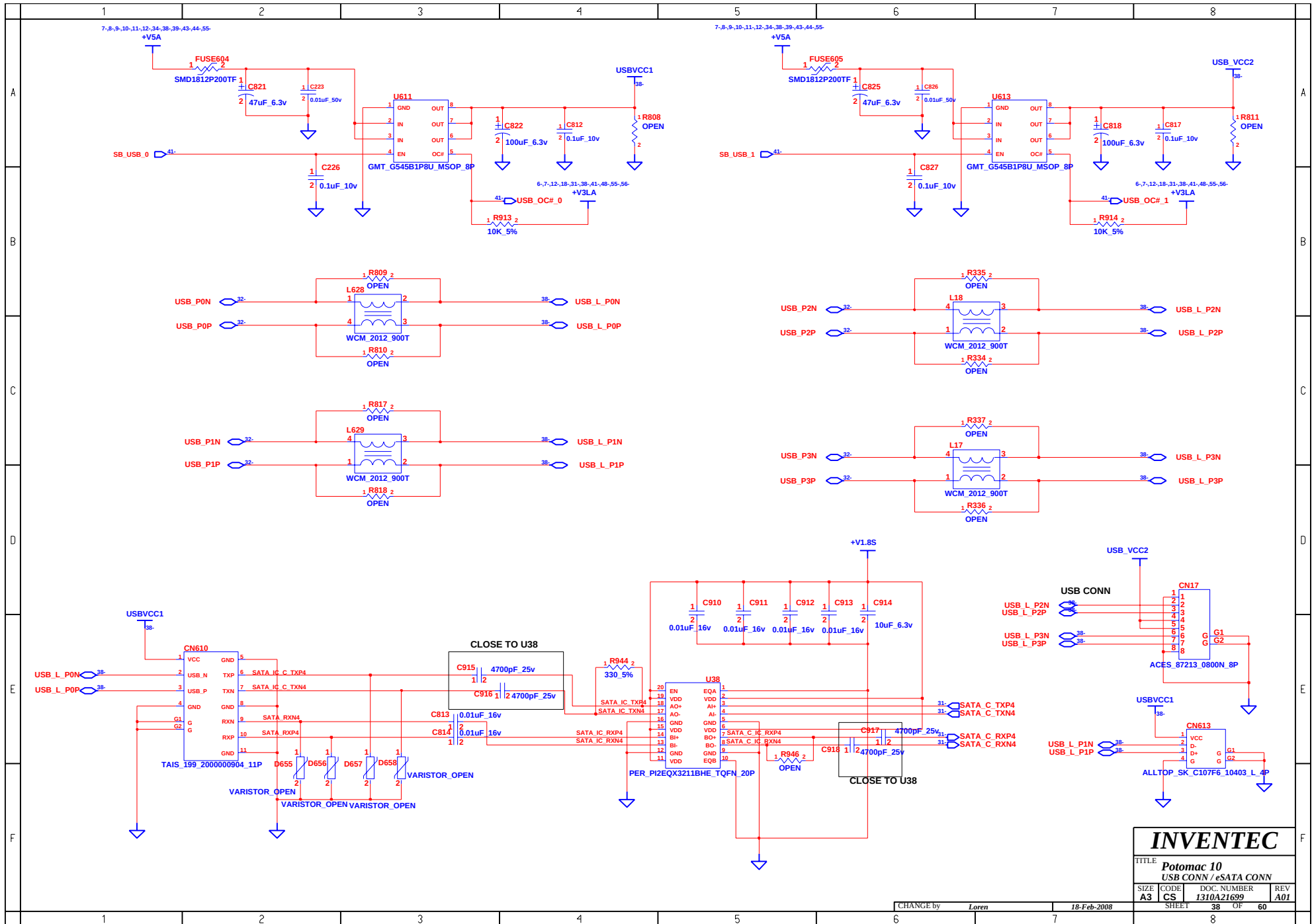
INVENTEC

TITLE
Potomac 10
ODD CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

CHANGE by *Loren* 4-Feb-2008

SHEET 37 OF 60



INVENTEC

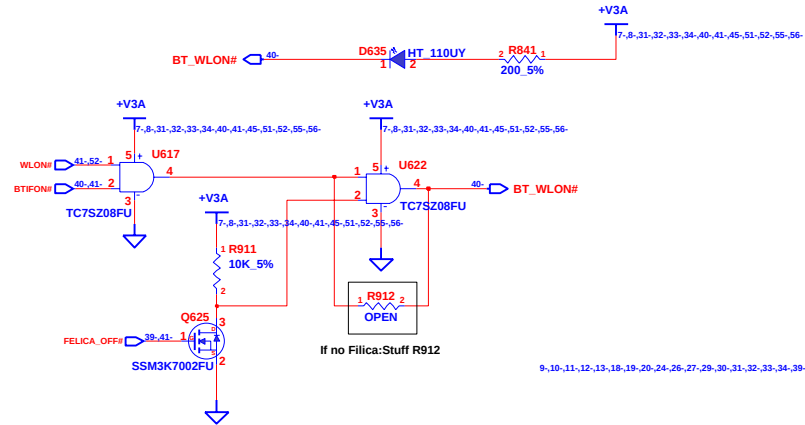
TITLE			
Potomac 10			
USB CONN / eSATA CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21699	A01

CHANGE by Loren

18-Feb-2008

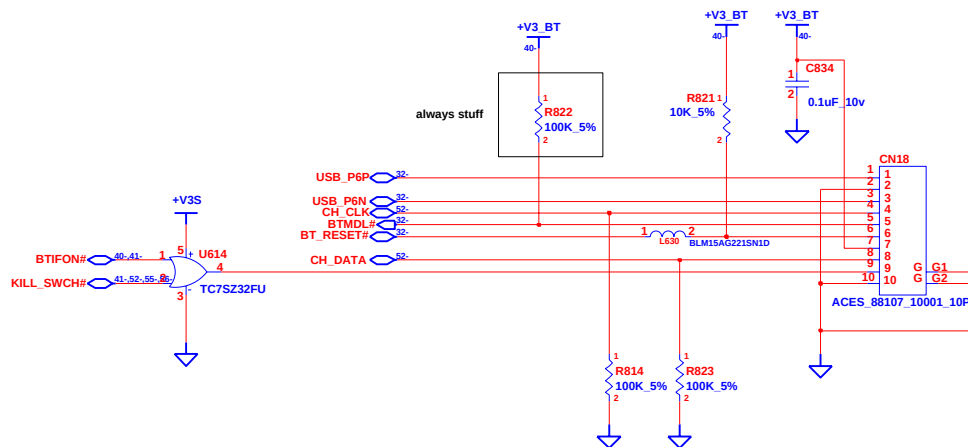
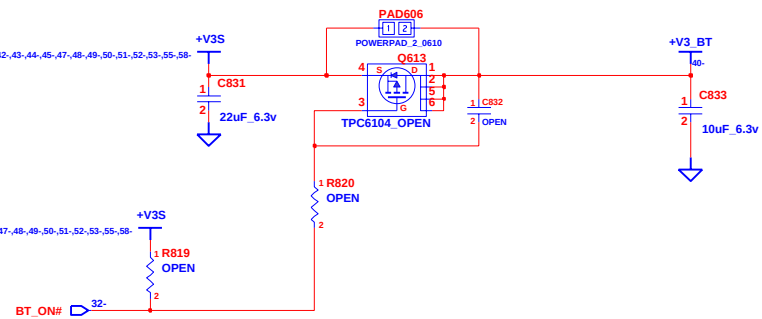
SHEET 38 OF 60

Wireless & BT LED



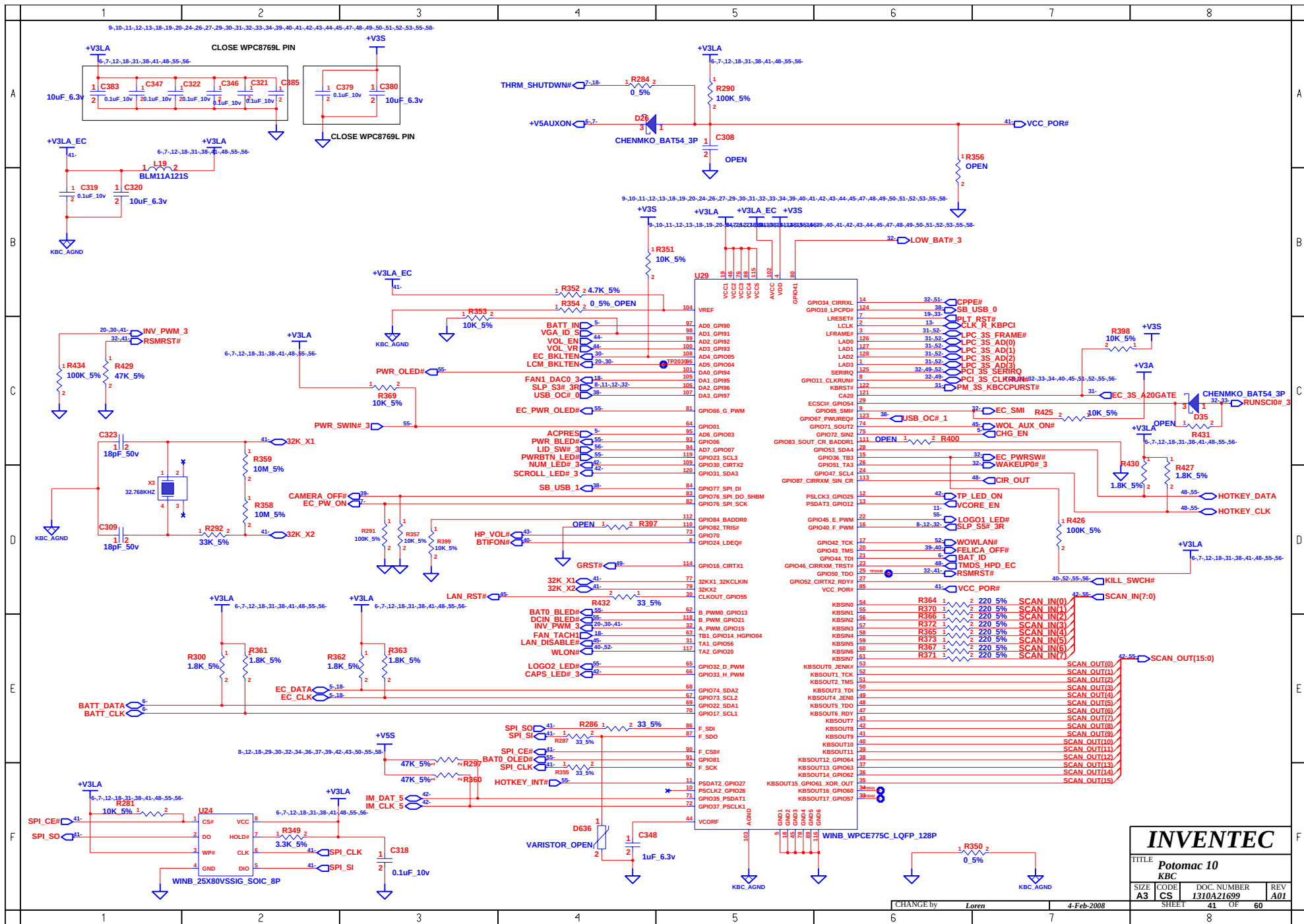
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9,10,11,12,13,18,19,20,24,26,27,29,30,31,32,33,34,39,40,41,42,43,44,45,47,48,49,50,51,52,53,55,58



INVENTEC			
TITLE			
Potomac 10			
BLUETOOTH CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01
SHEET		40	OF 60

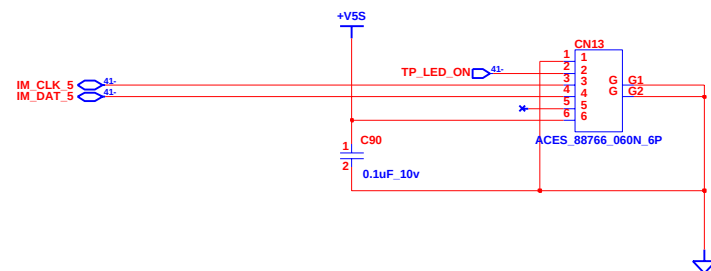
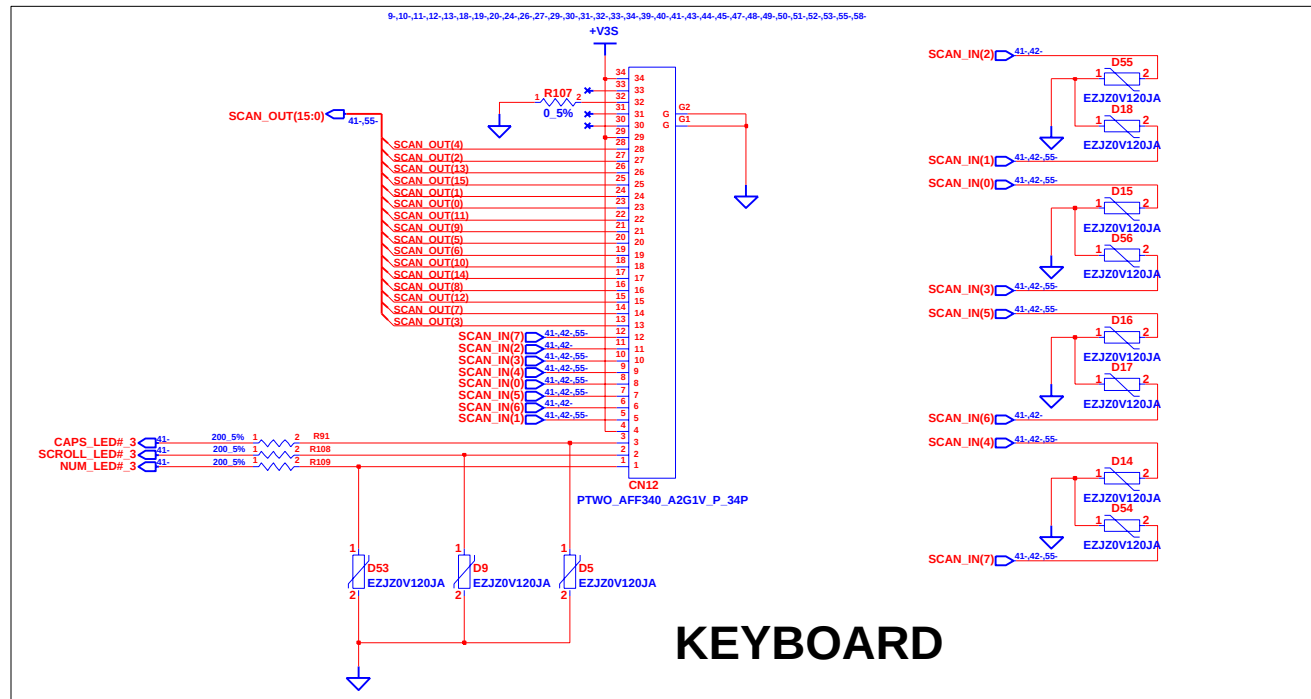
CHANGE by Loren 4-Feb-2008



INVENTEC

TITLE			
Potomac 10			
KBC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01
SHEET		41	OF 60

CHANGE by Loren 4-Feb-2008

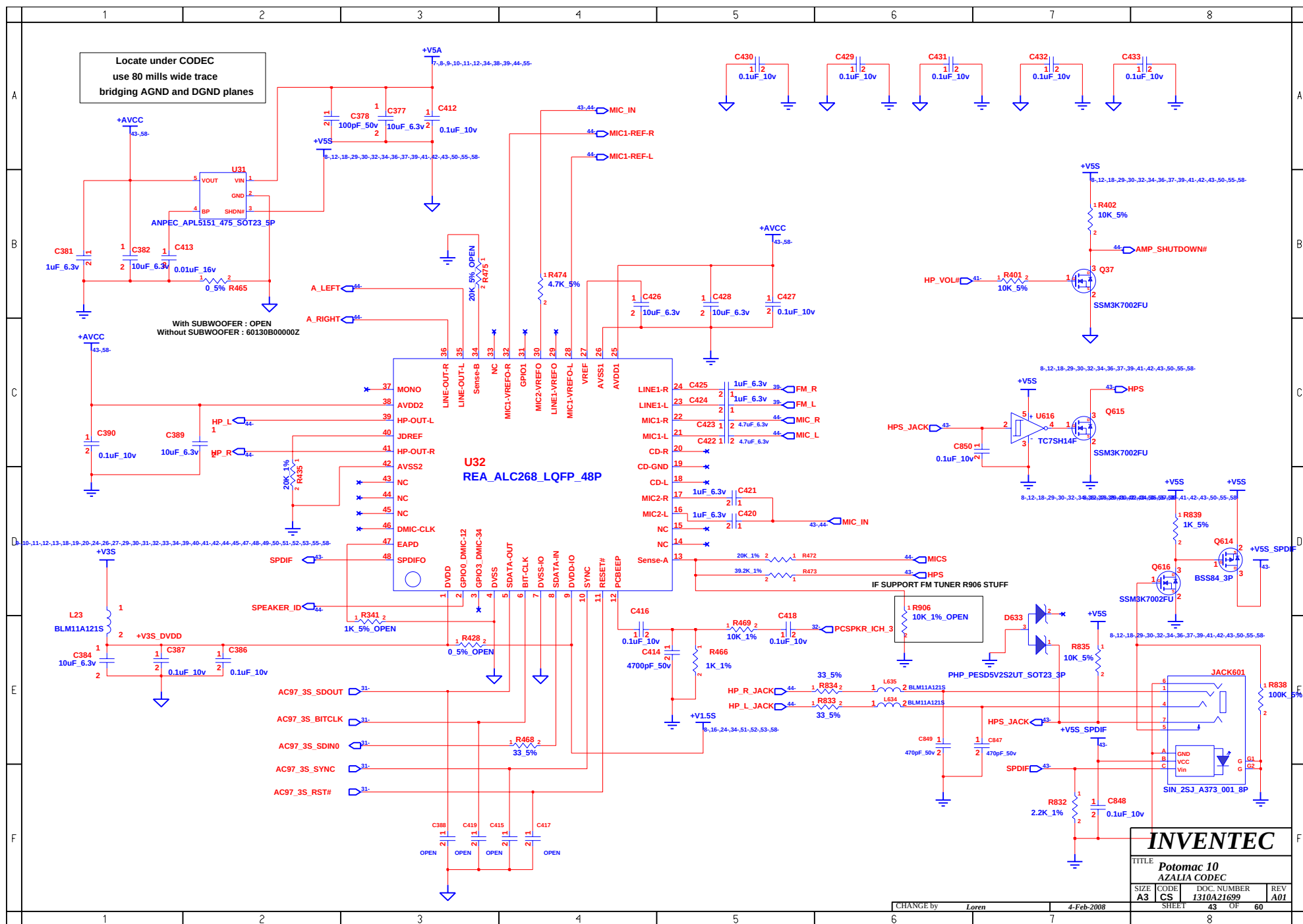


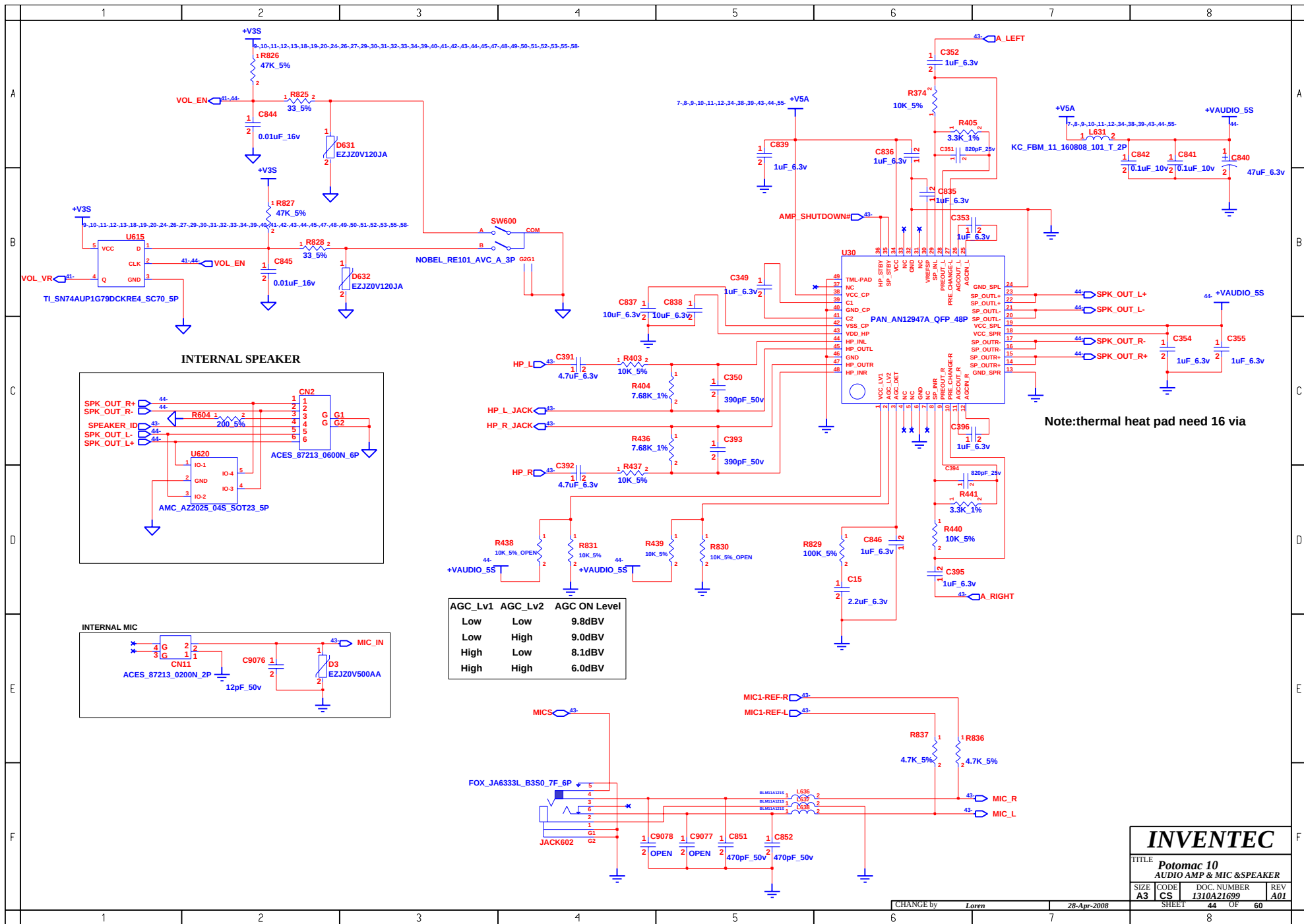
INVENTEC

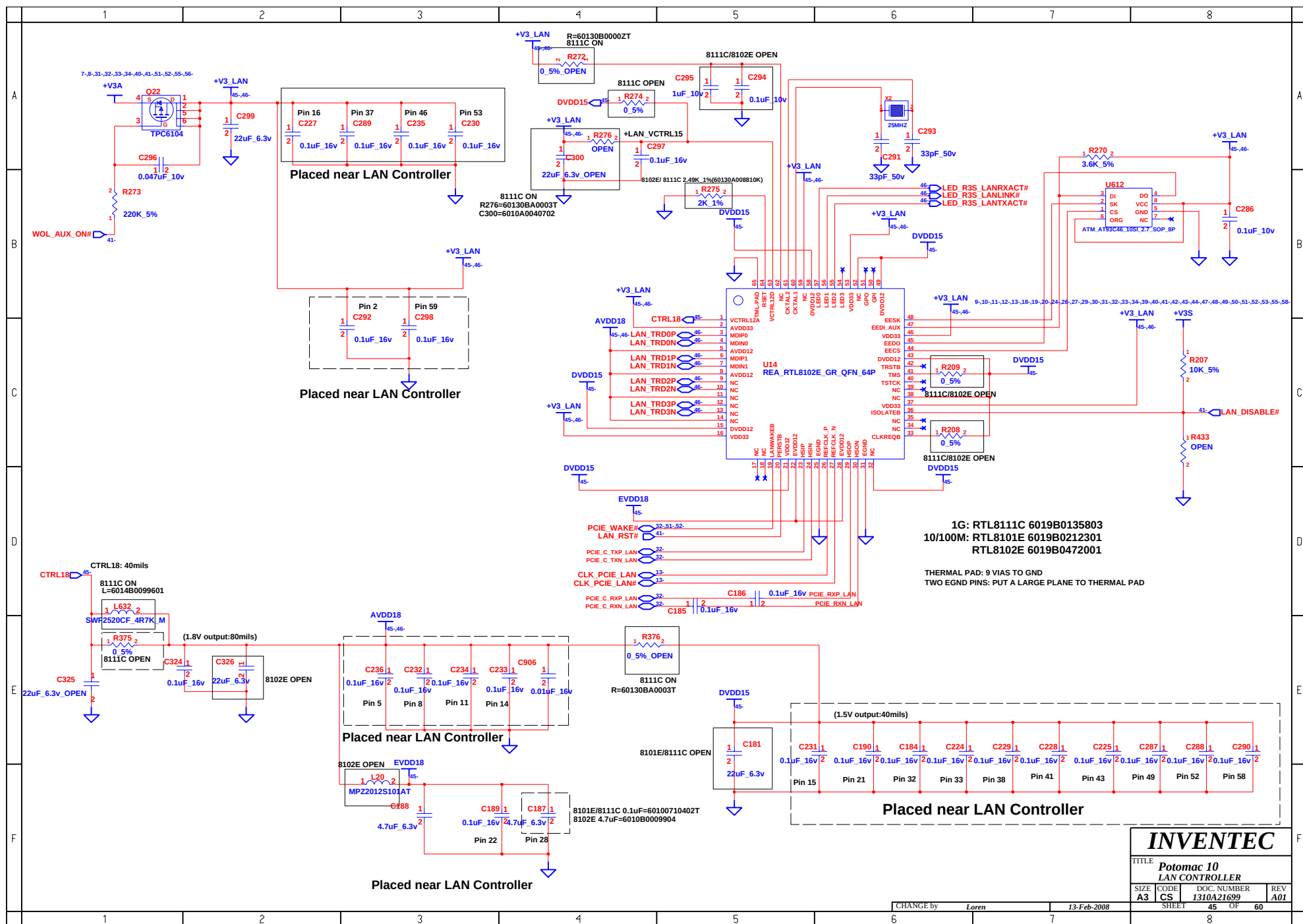
TITLE			
Potomac 10			
K/B & T/P CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

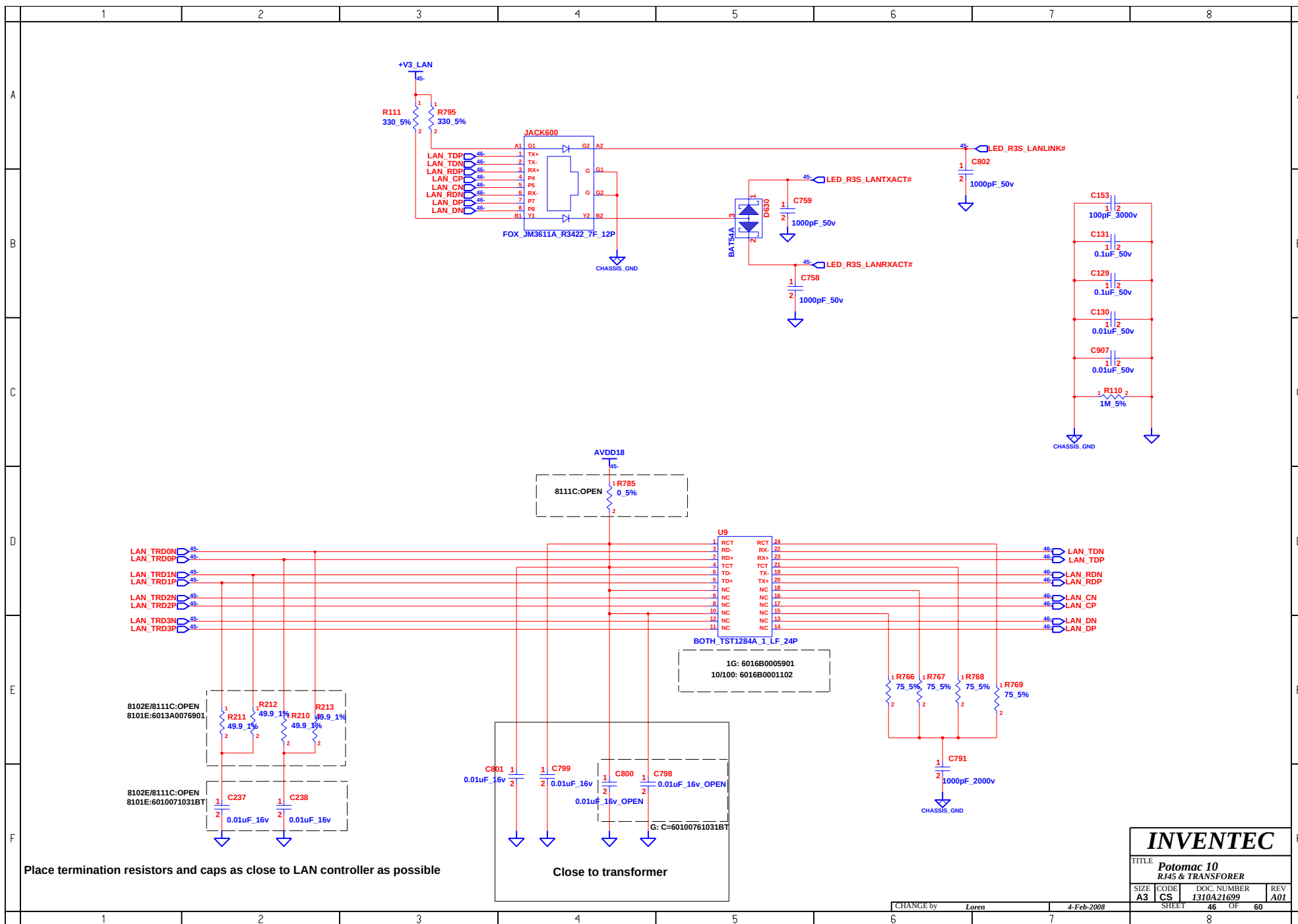
CHANGE by Loren 4-Feb-2008

SHEET 42 OF 60







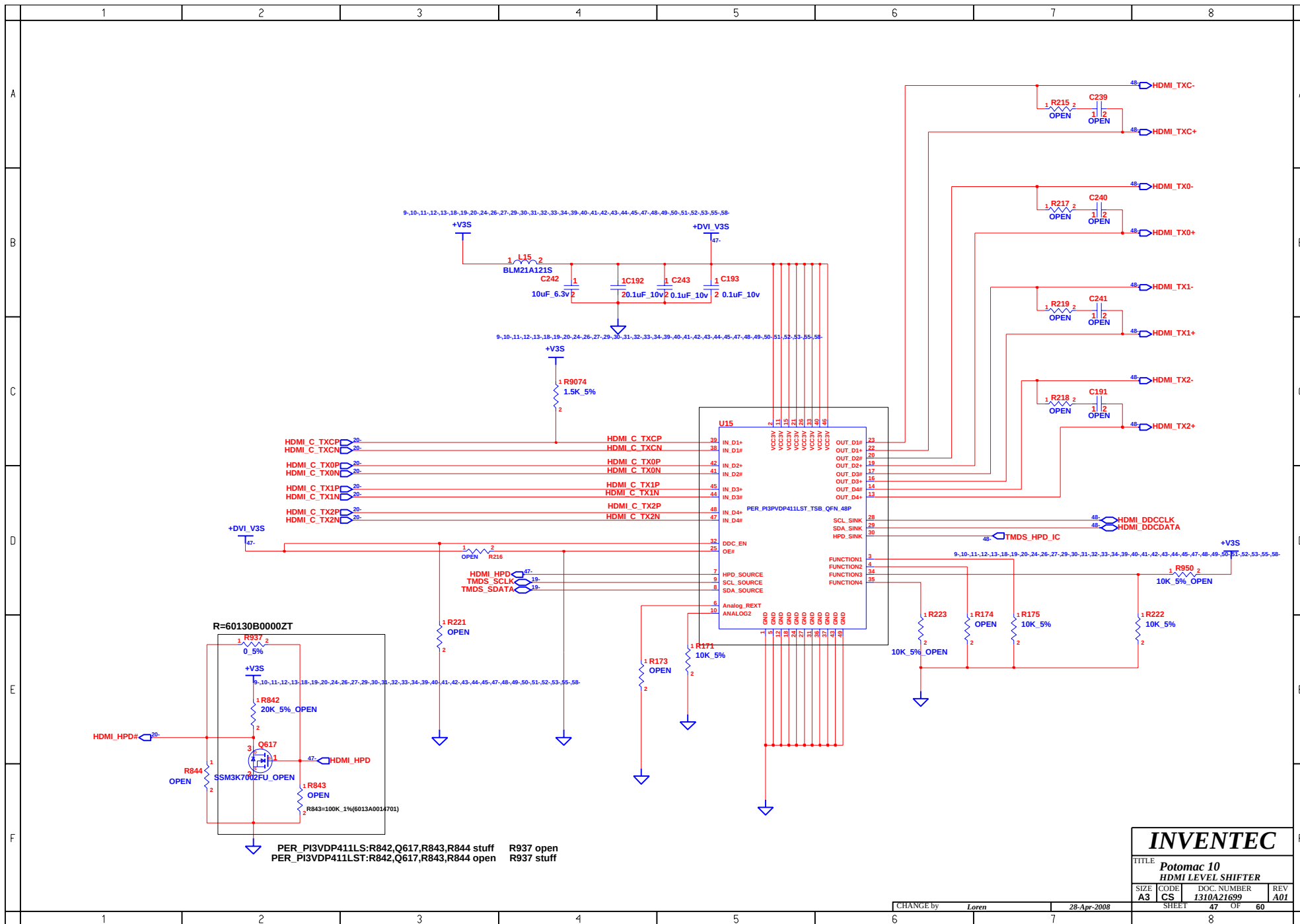


INVENTEC

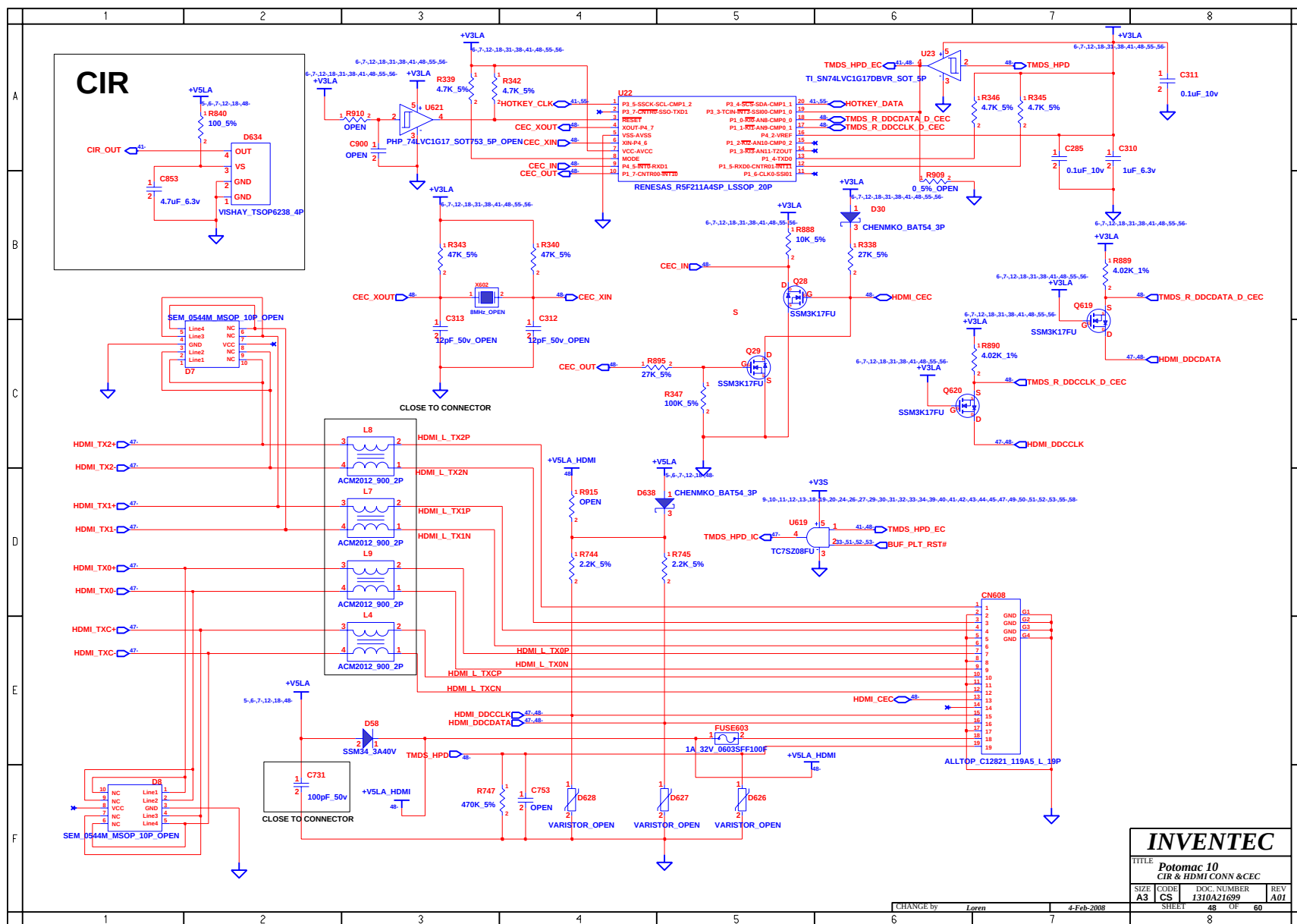
TITLE			
Potomac 10			
RJ45 & TRANSFORMER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

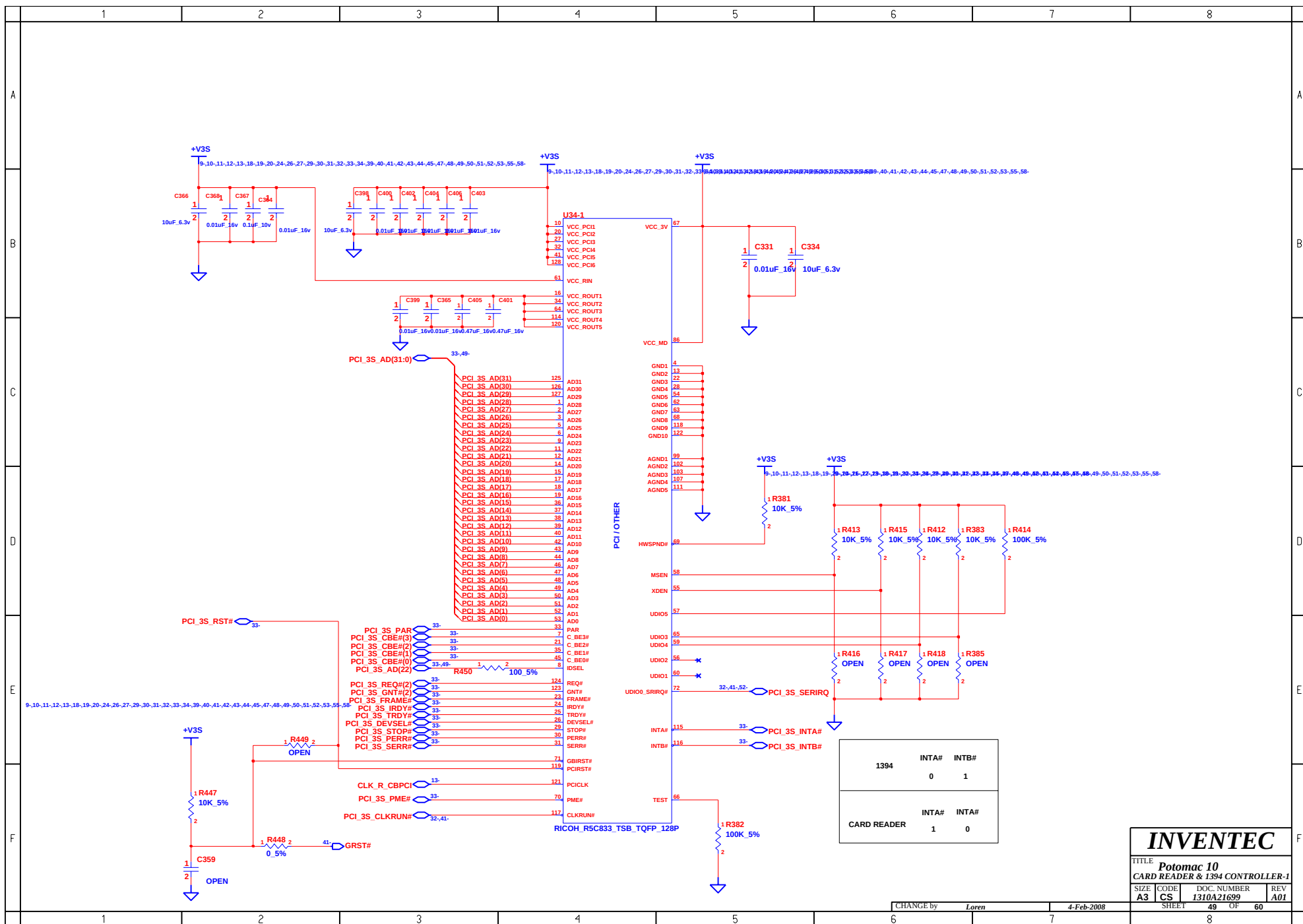
CHANGE by Loren 4-Feb-2008

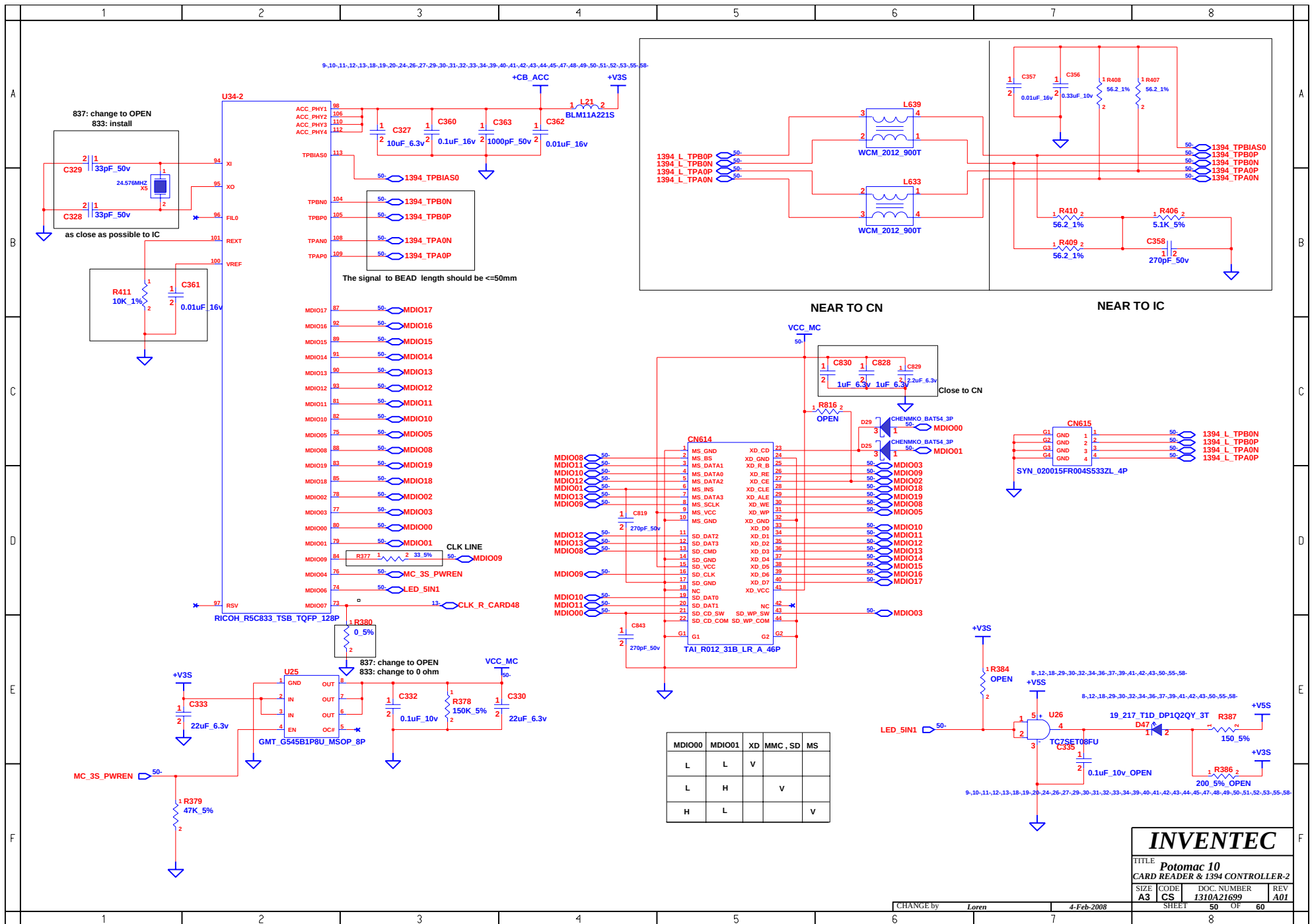
SHEET 46 OF 60

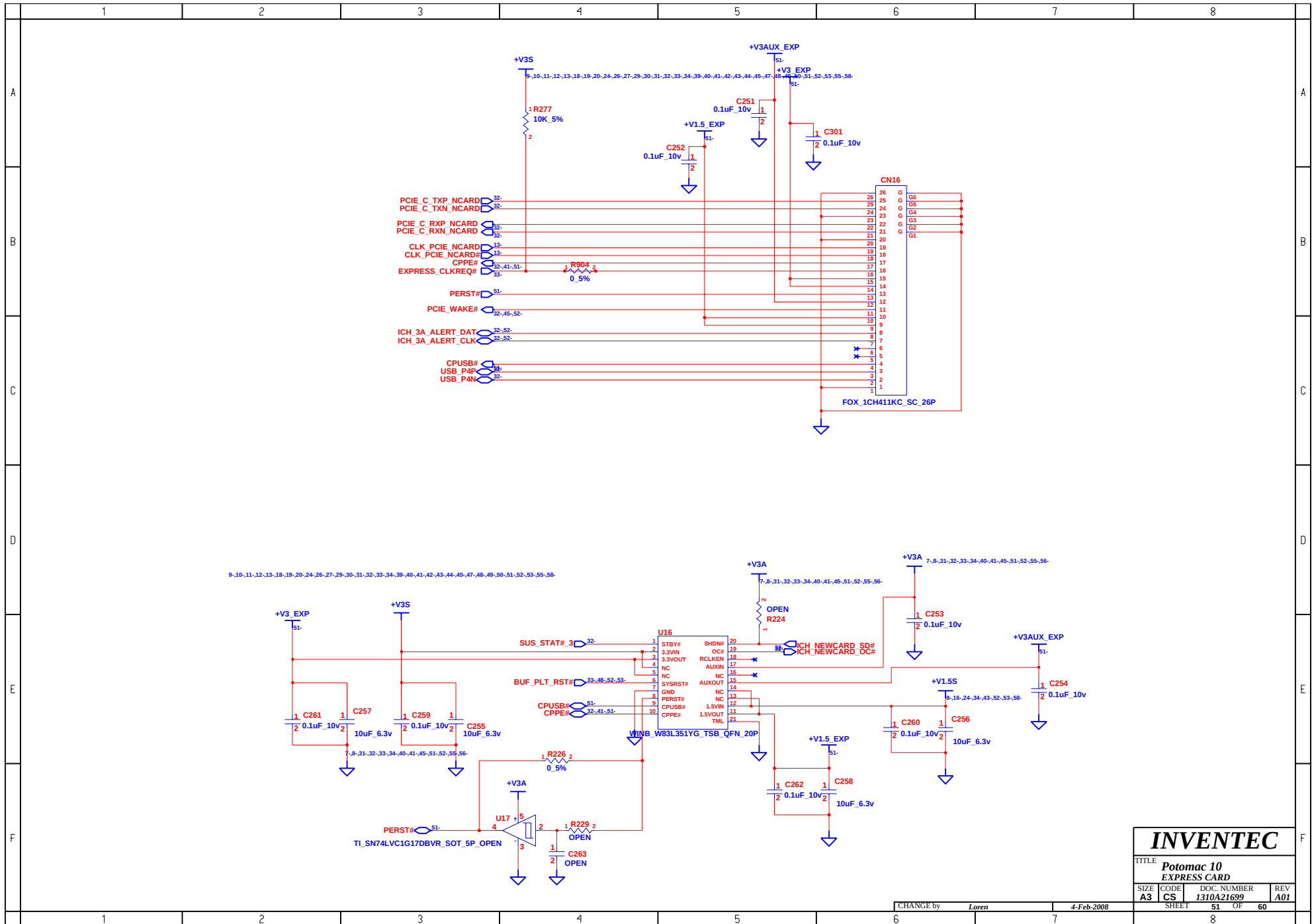


INVENTEC			
TITLE			
Potomac 10			
HDMI LEVEL SHIFTER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01
CHANGE by		28-Apr-2008	
SHEET		47	OF 60





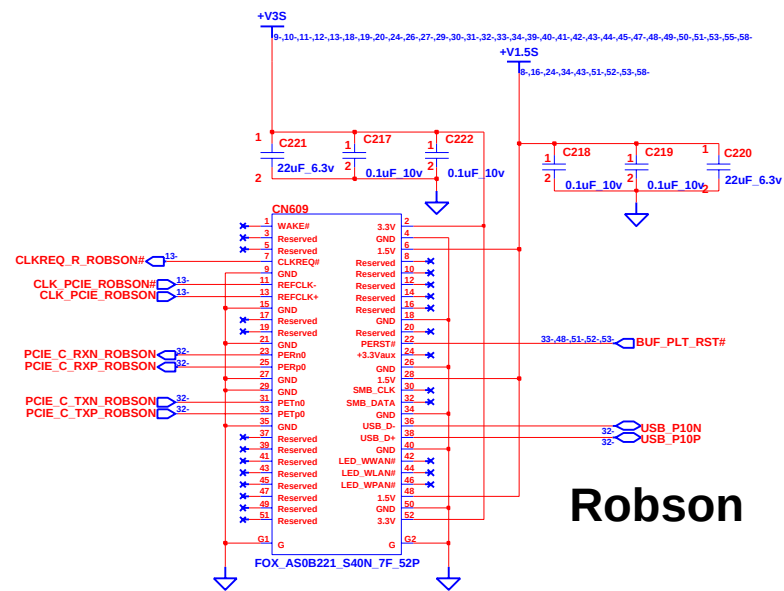




INVENTEC

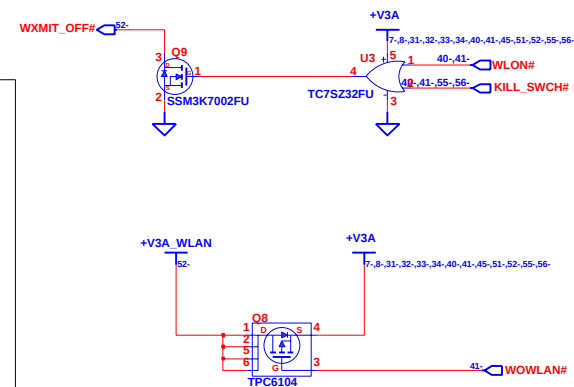
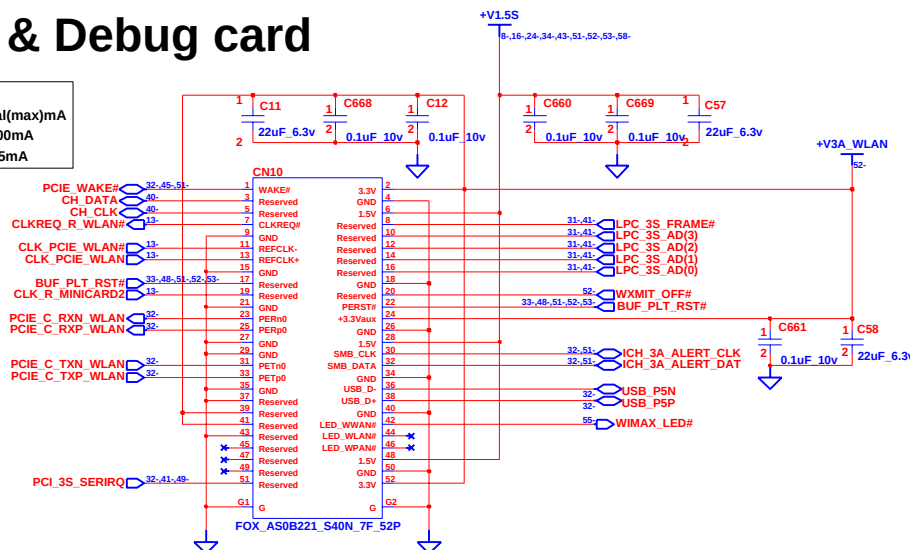
TITLE Potomac 10 EXPRESS CARD			
SIZE A3	CODE CS	DOC. NUMBER I310AZ1699	REV A01
SHEET 51 OF 60			

CHANGE by **Loren** 4-Feb-2008



Wireless & Debug card

Note:		
	Peak(max)mA	Normal(max)mA
3.3V	2,750mA	1,100mA
1.5V	500mA	375mA

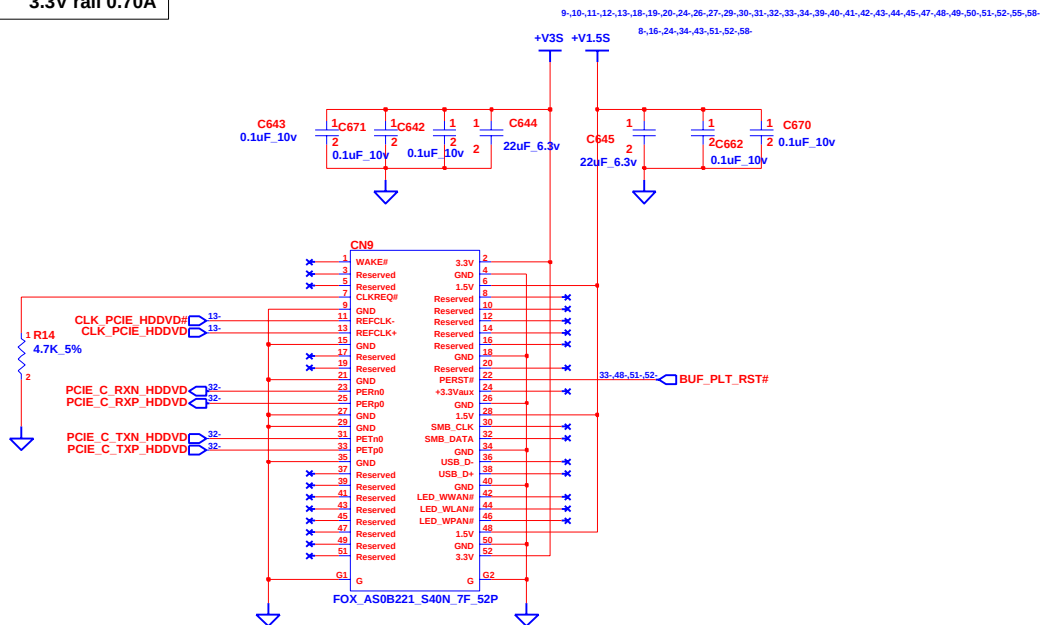


INVENTEC

TITLE			
Potomac 10 ROBSON & WLAN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

Note: 1.5V rail 0.28A
3.3V rail 0.70A

HD-DVD Bordcom



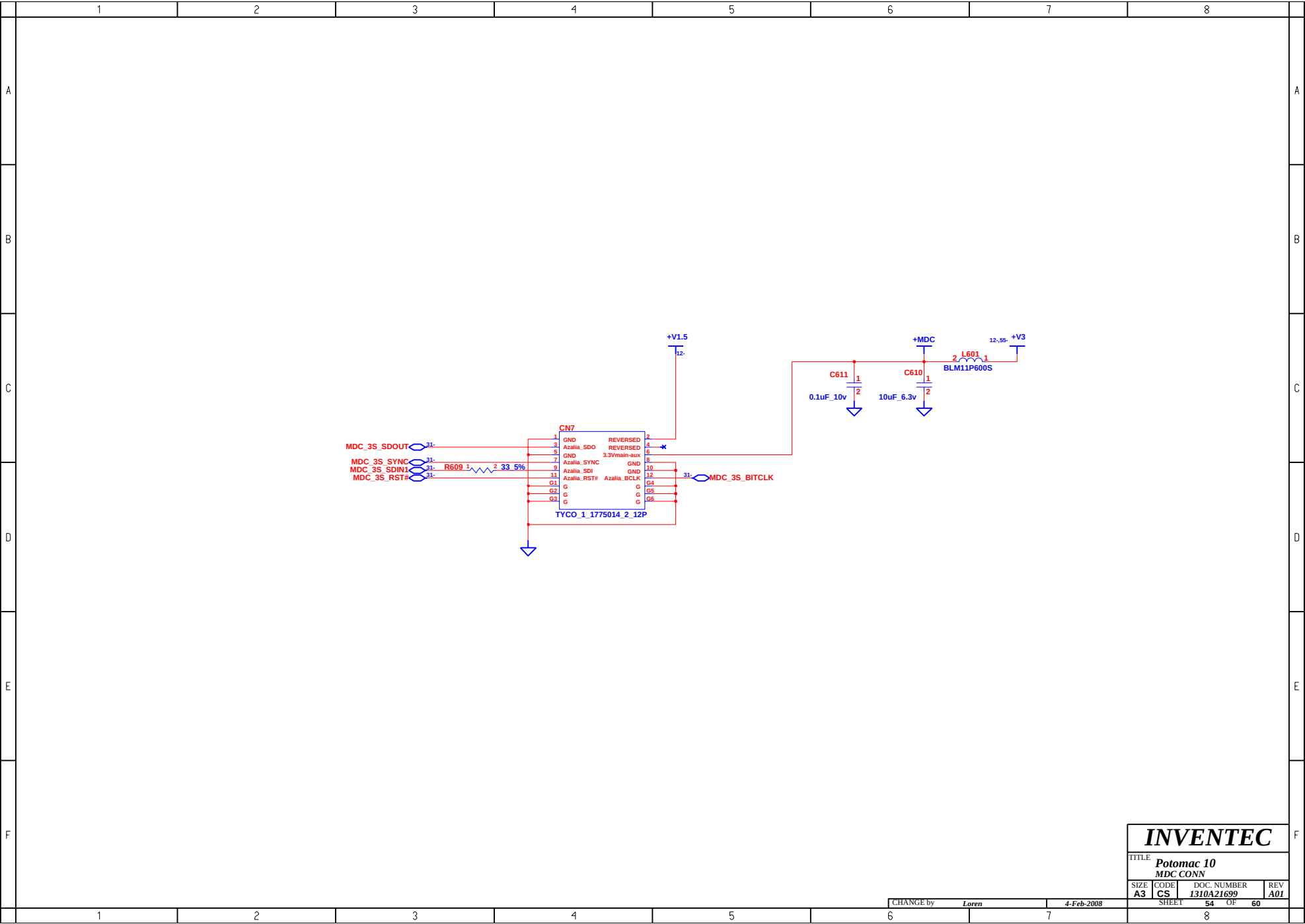
INVENTEC

TITLE
Potomac 10
HD-DVD CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AZ1699	A01

CHANGE by **Loren** 4-Feb-2008

SHEET 53 OF 60

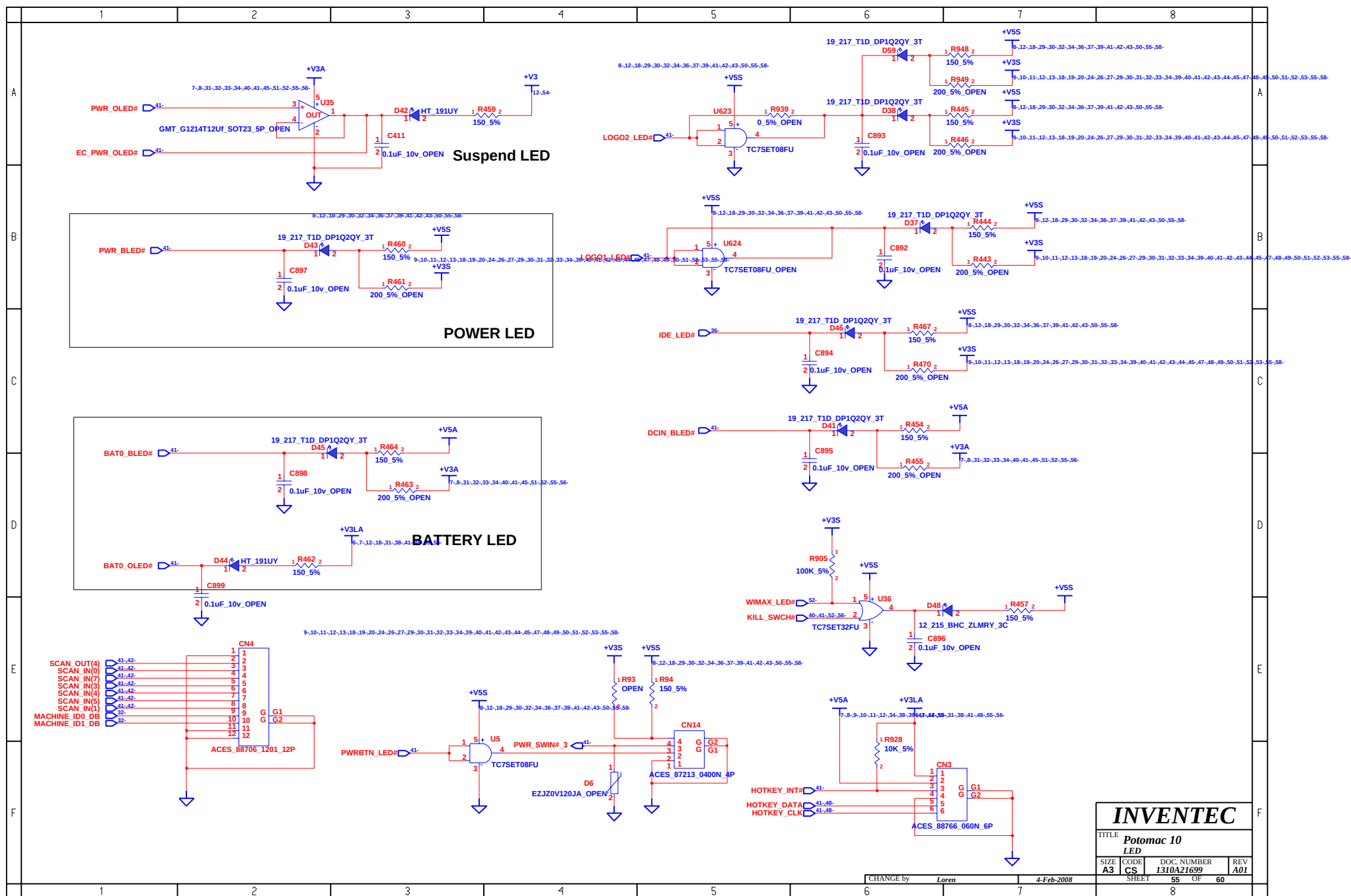


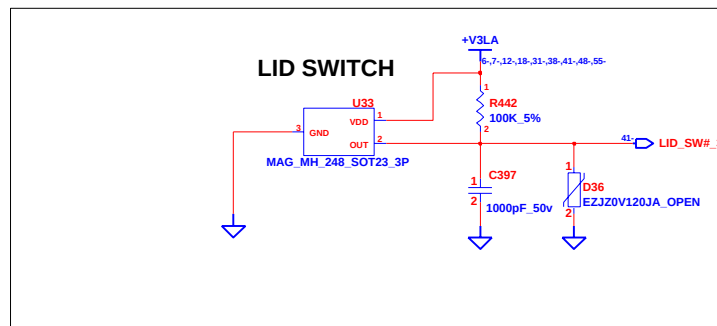
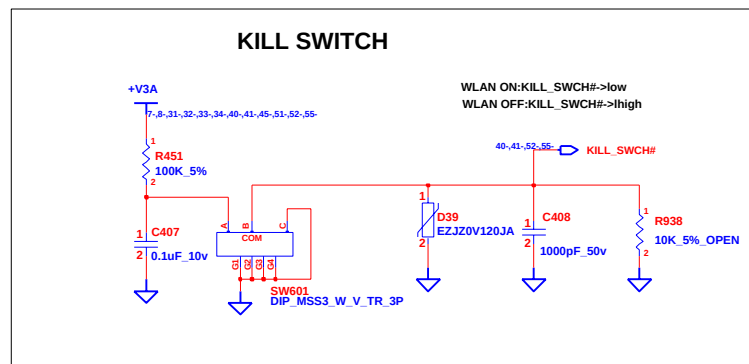
INVENTEC

TITLE			
Potomac 10			
MDC CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AZ1699	A01

CHANGE by Loren 4-Feb-2008

SHEET 54 OF 60





INVENTEC

TITLE	Potomac 10 KILL & LID SW
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SIZE A3	CODE CS	DOC. NUMBER 1310A21699	REV A01
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CHANGE by	<i>Loren</i>	<i>4-Feb-2008</i>
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STREET	56	57	60
	8		

