

Bremen 10

MP Build (A01)

2010.05.14

INVENTEC			
TITLE Bremen10			
SIZE A3	CODE CS	DOC. NUMBER 6050A2338402	REV A01
CHANGE by Eric Lal		13-May-2010	
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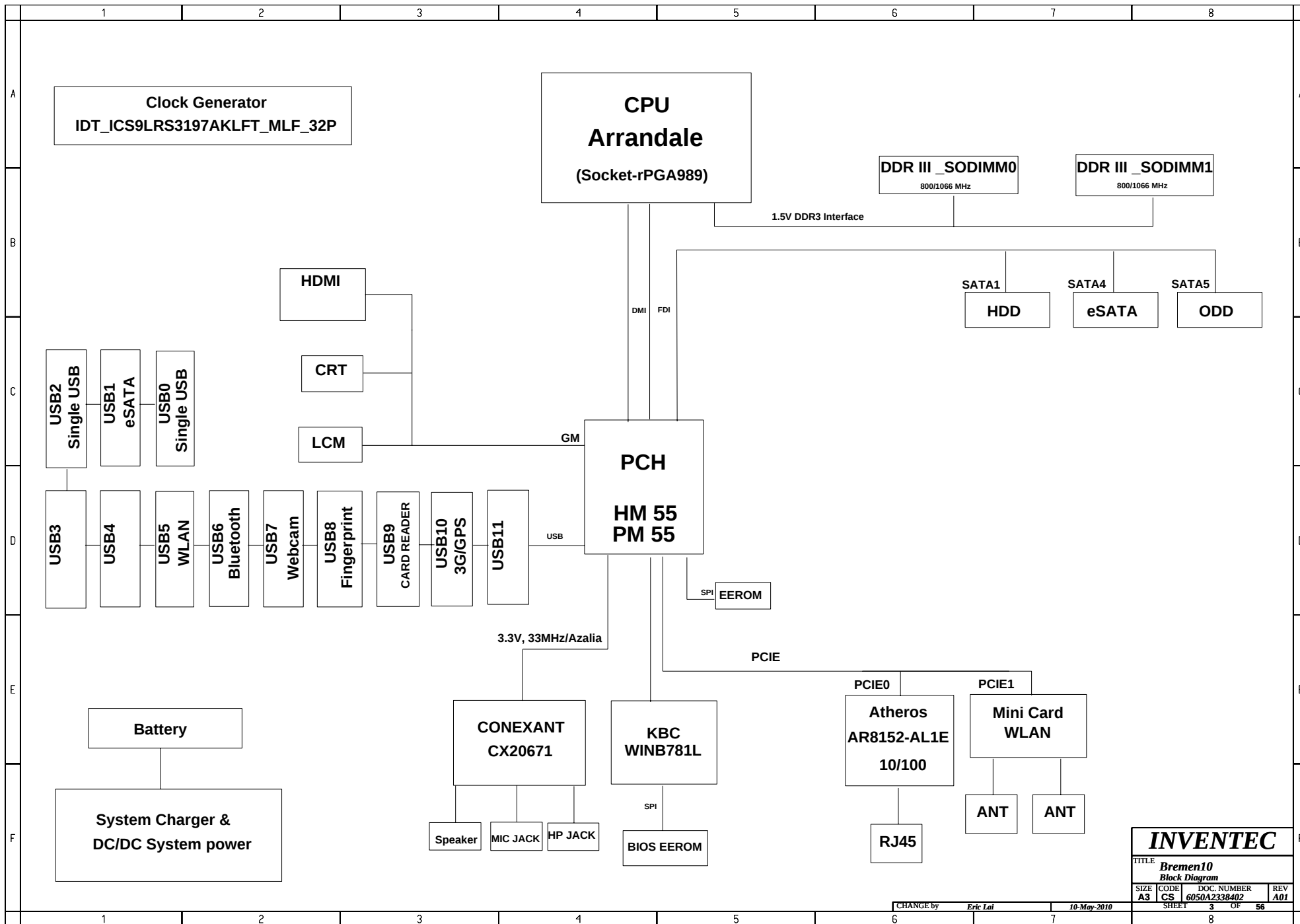
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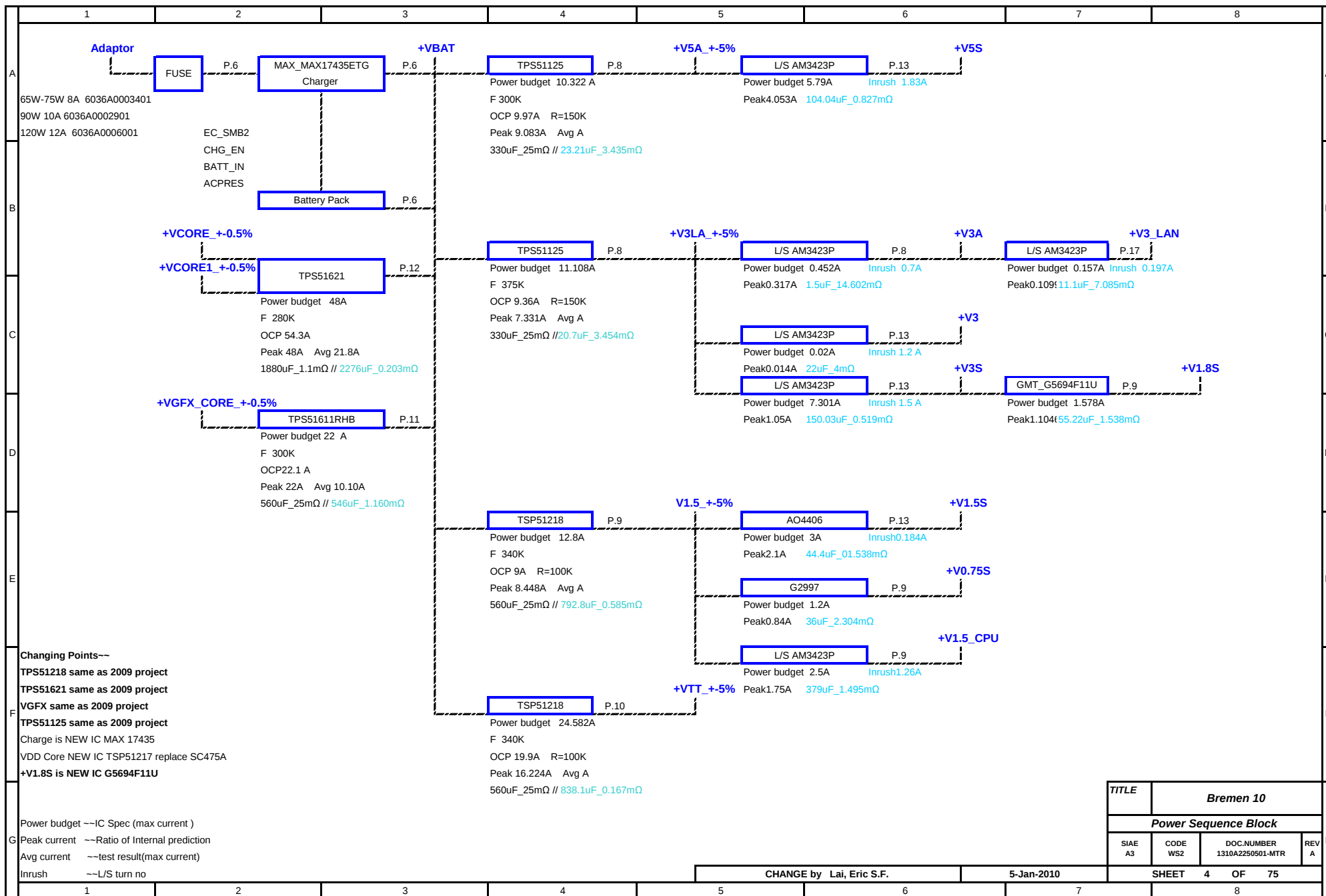
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INVENTEC

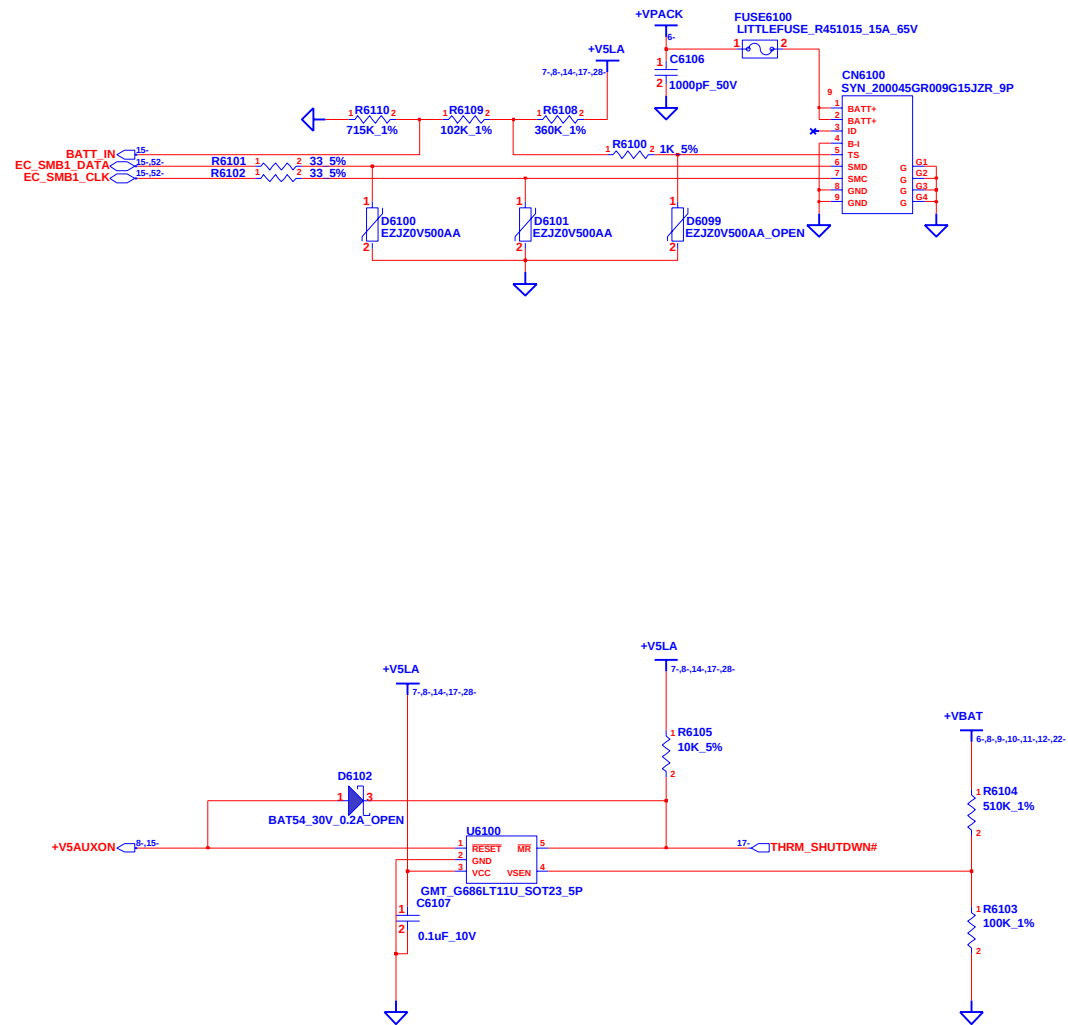
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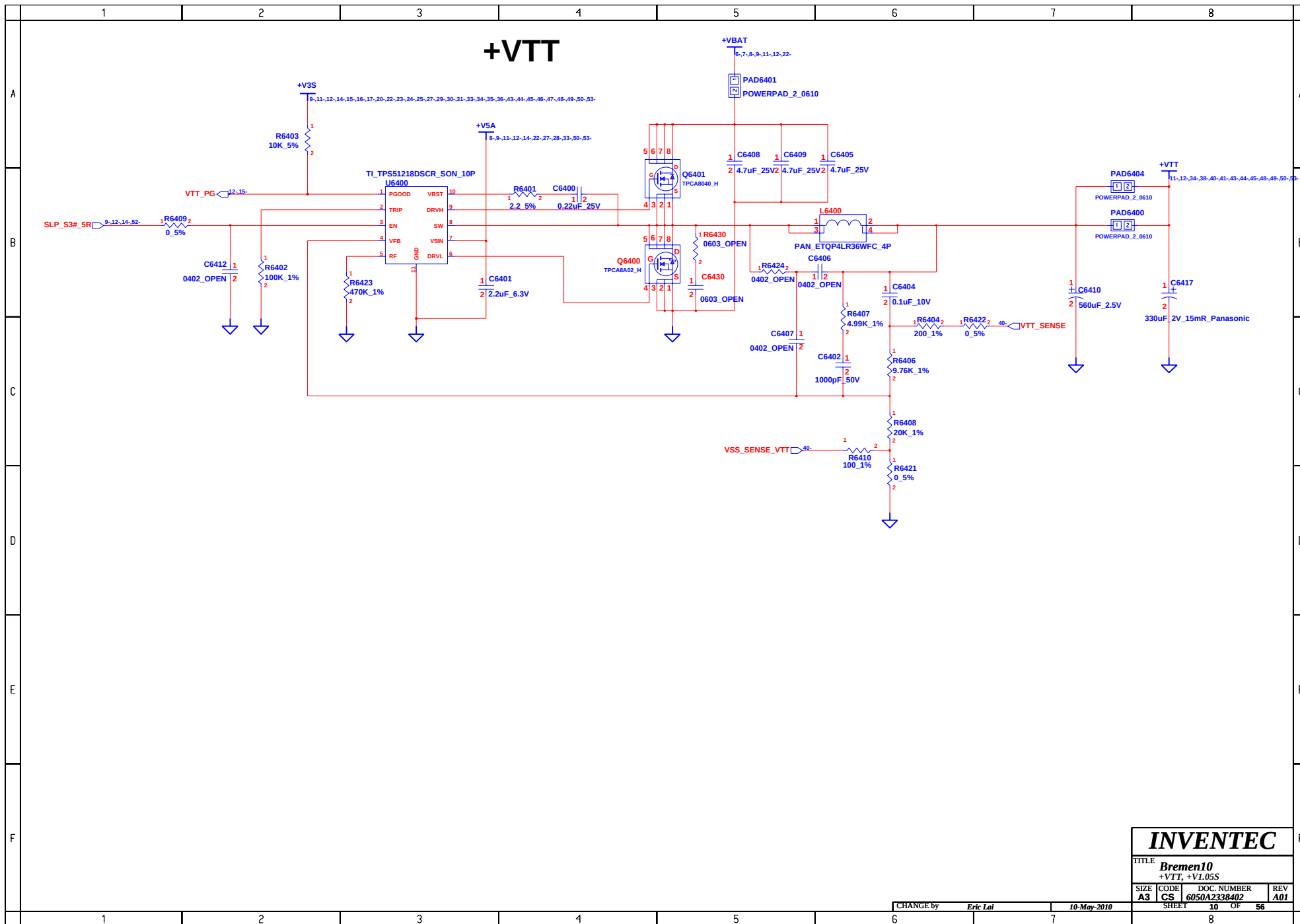
INVENTEC

TITLE			
Bremen10			
Battery, Reset IC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2338402	A01

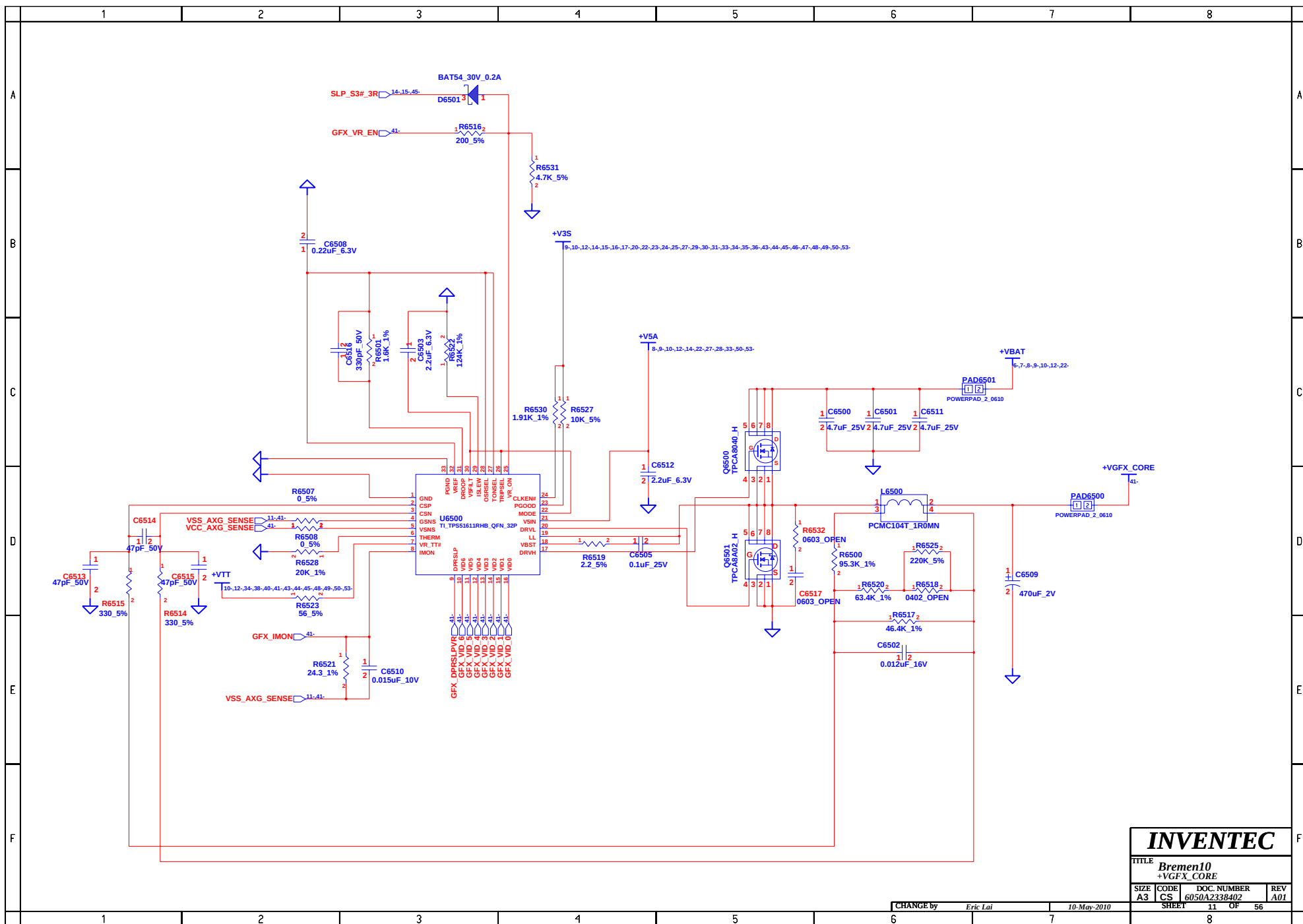
CHANGE by Eric Lai 10-May-2010

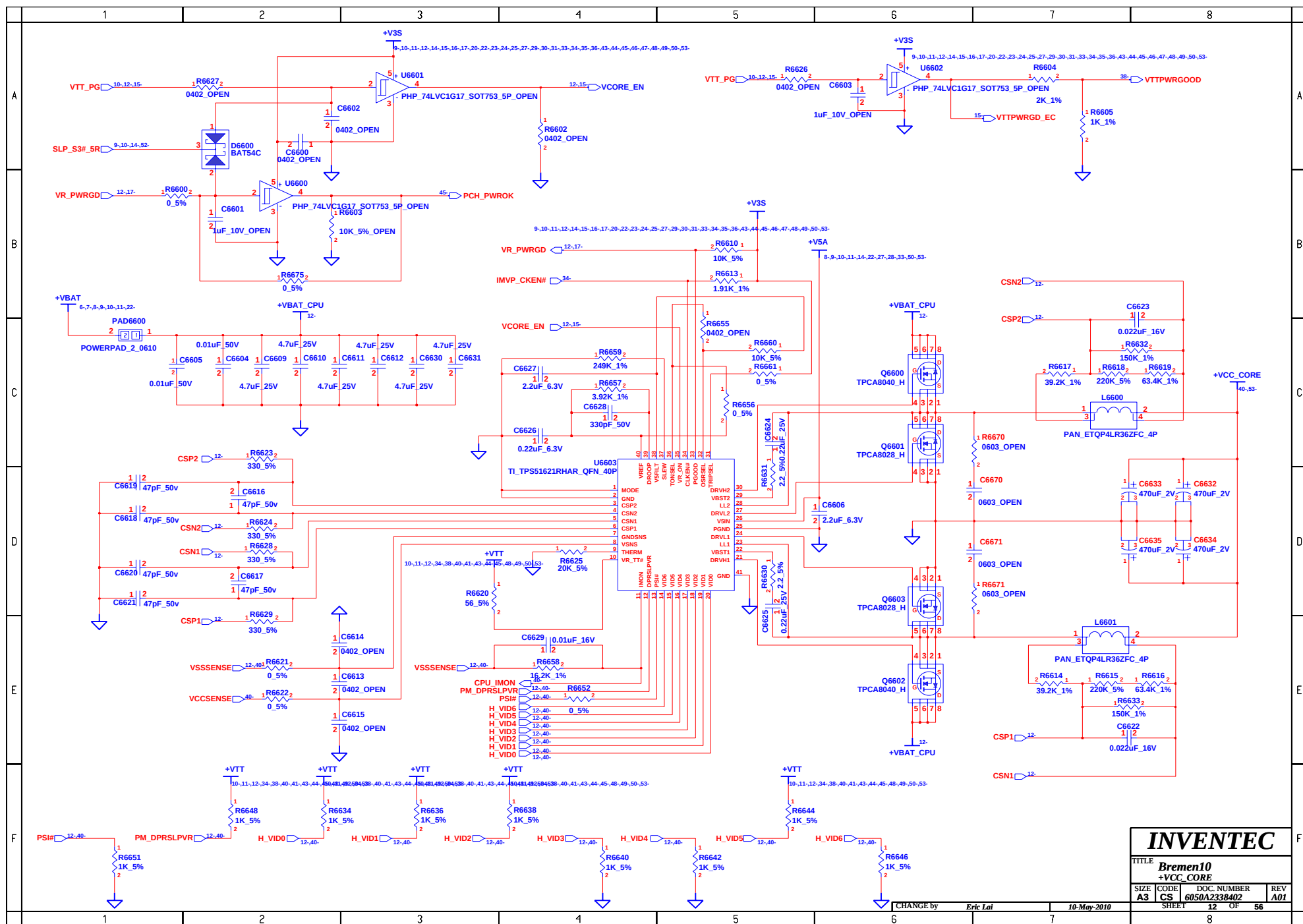
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TITLE Bremen10 +VTT, +V1.05S			
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	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

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+V5S +V3S +V1.5S +V1.5S_CPU

S3 POWER REDUCTION

+V3S

INVENTEC

Bremen10

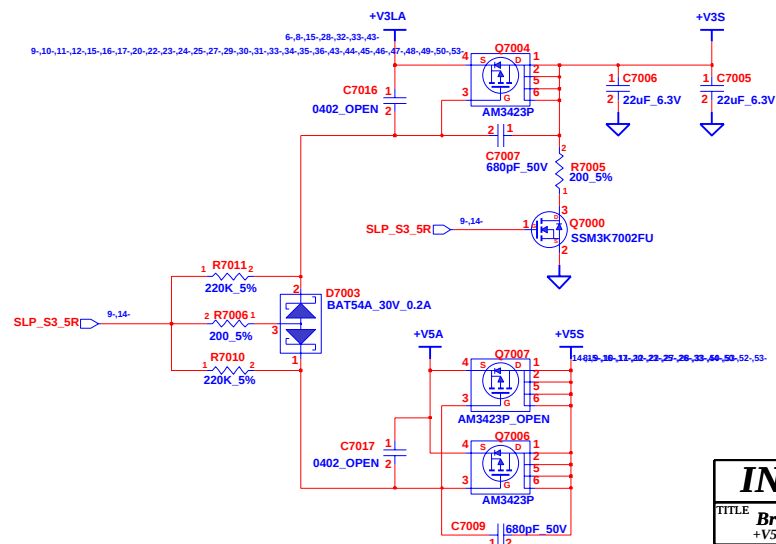
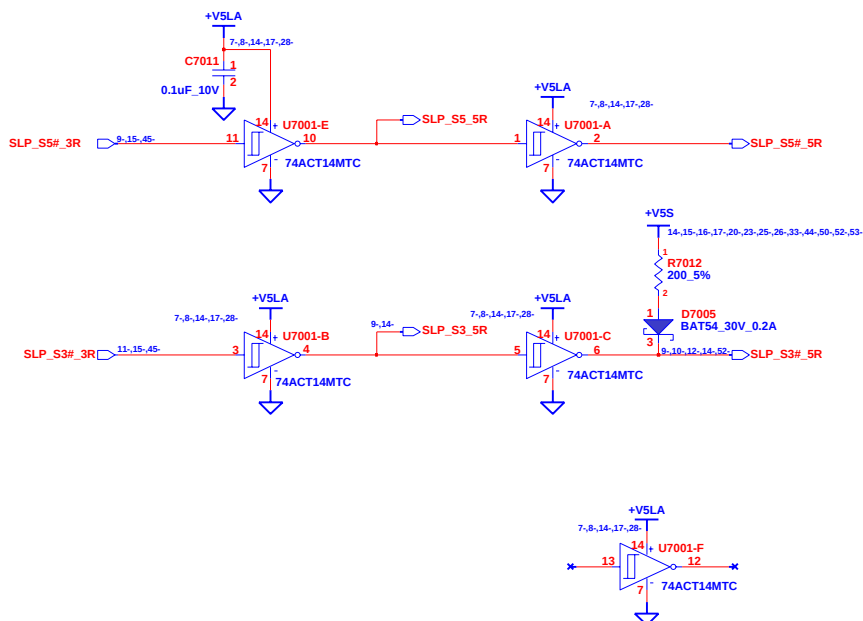
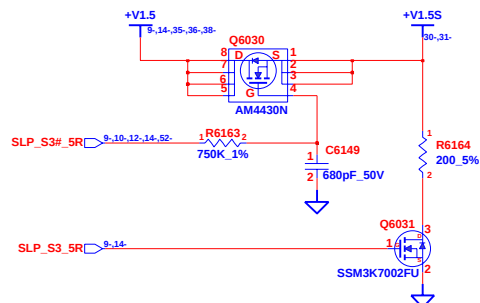
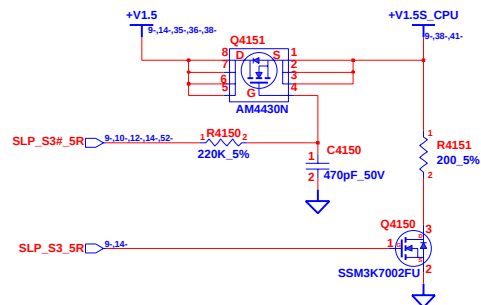
+V5S +V3S +V1.5S

SIZE A3 CODE CS DOC. NUMBER 6050A2338402 REV A01

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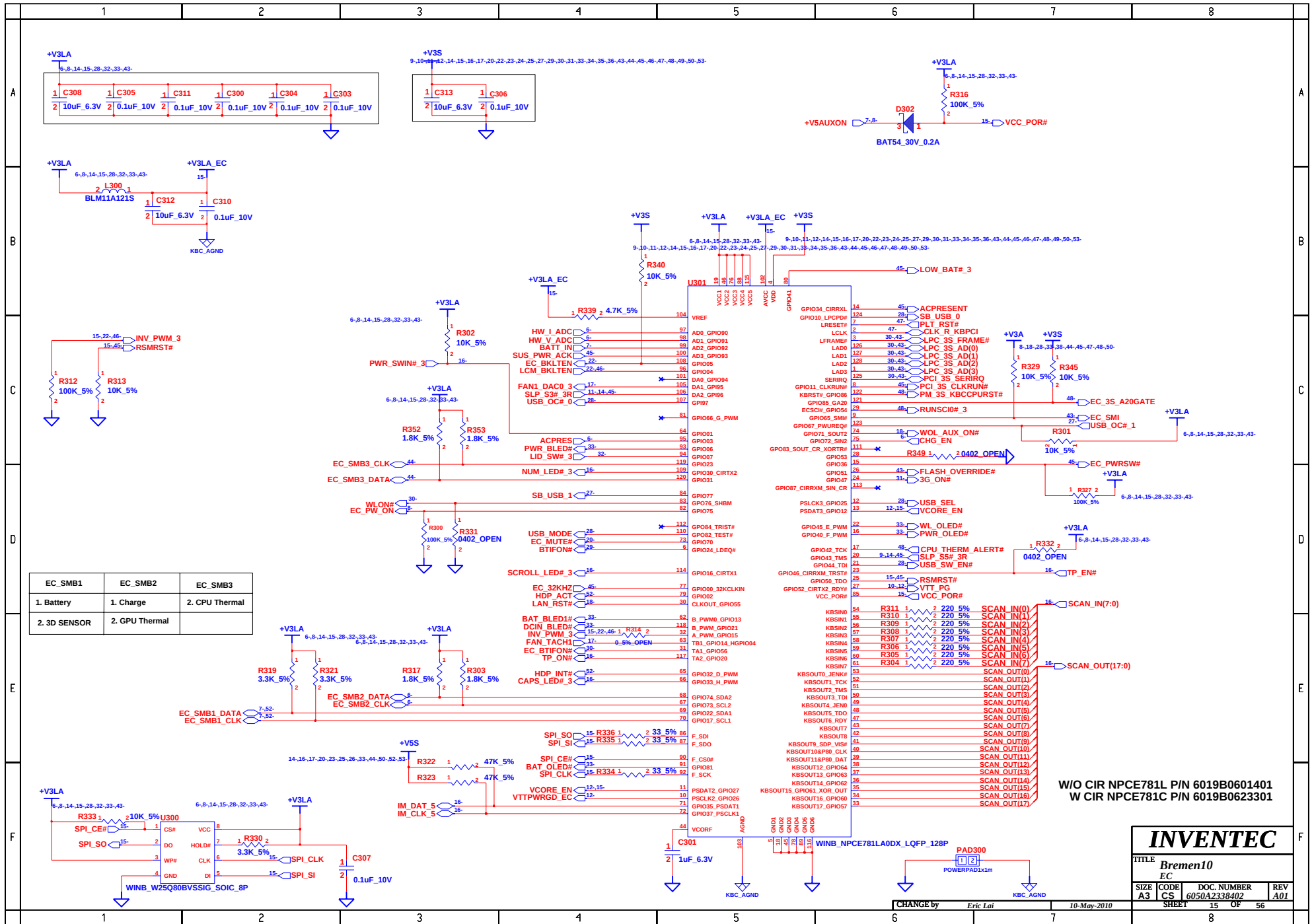
S3 POWER REDUCTION

**INVENTEC**

TITLE	Bremen10 +V5S +V3S +V1.5S
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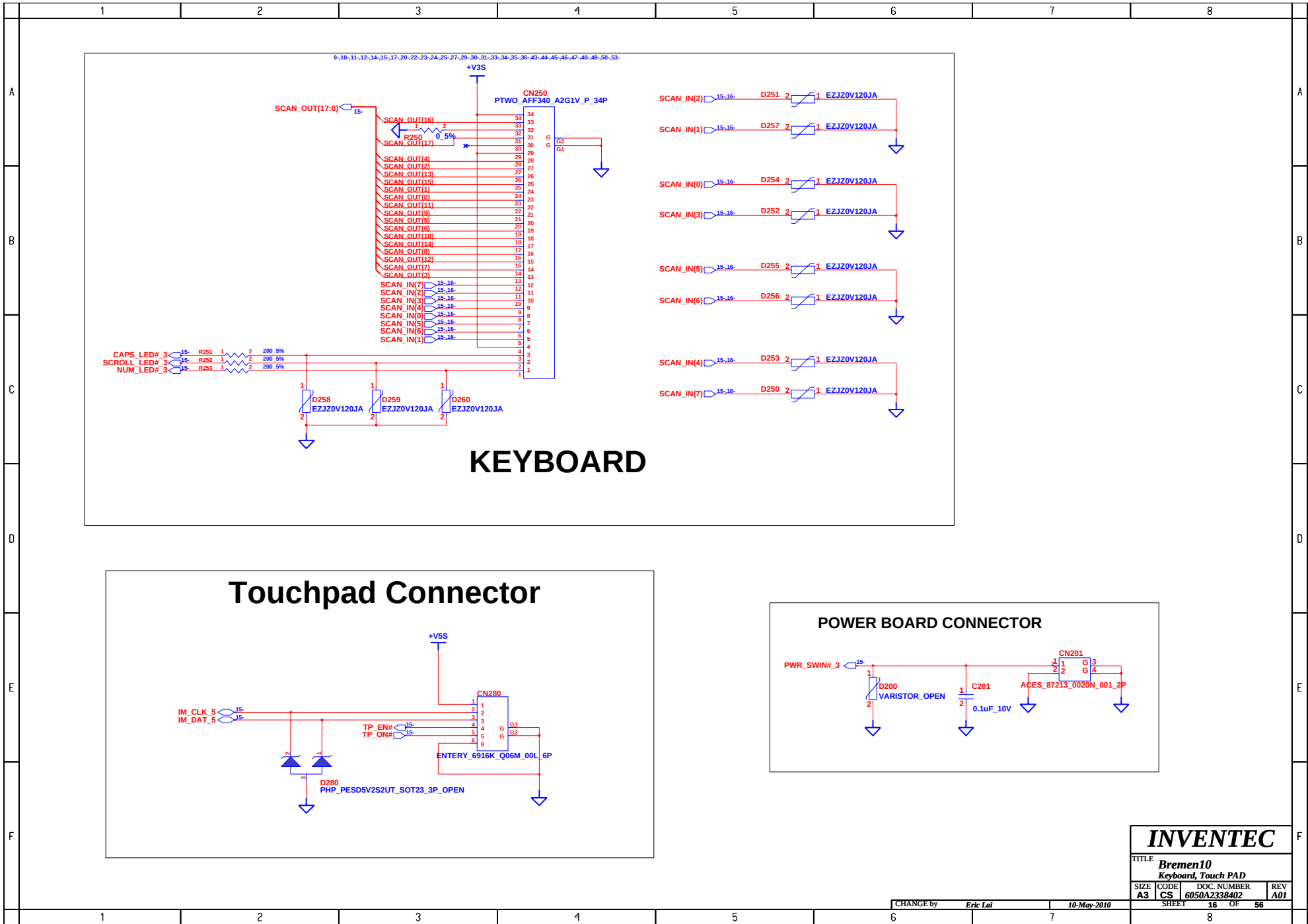
CHANGE by	<i>Eric Lai</i>	<i>10-May-2010</i>
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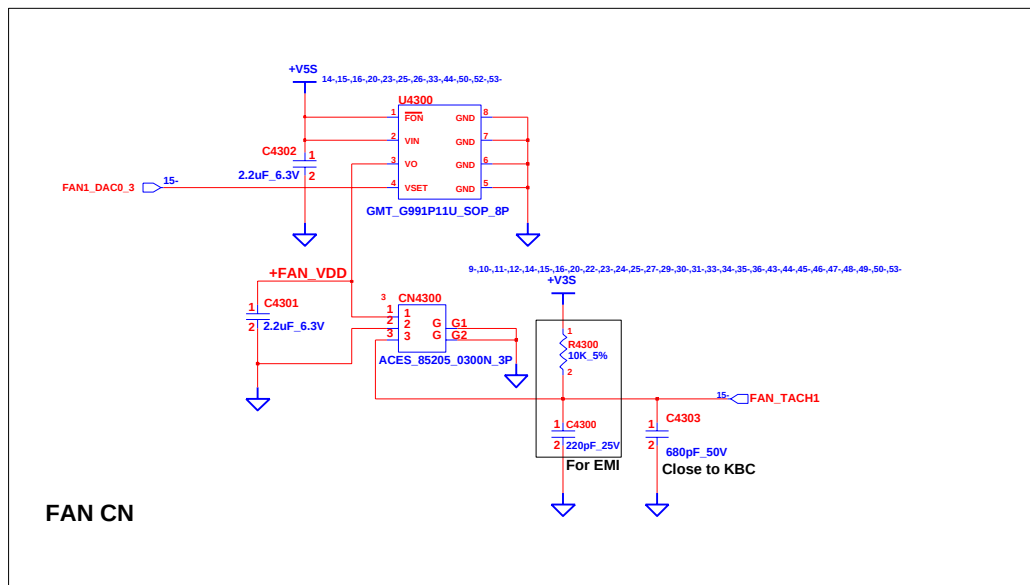


W/O CIR NPCE781L P/N 6019B0601401
W CIR NPCE781C P/N 6019B0623301

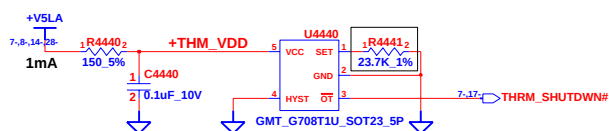
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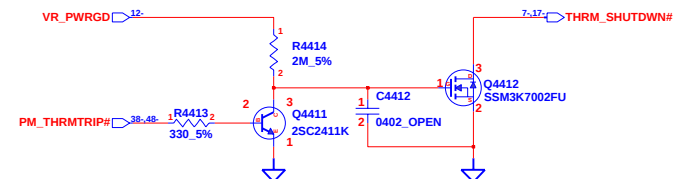
Board Thermal Sensor



Thermal shutdown at 87 C° +/- 3 C° from 60 C° to 100 C°

$$RSET = 0.0012 * T^2 - 0.9308 * T + 96.147$$

Hysteresis is 30C



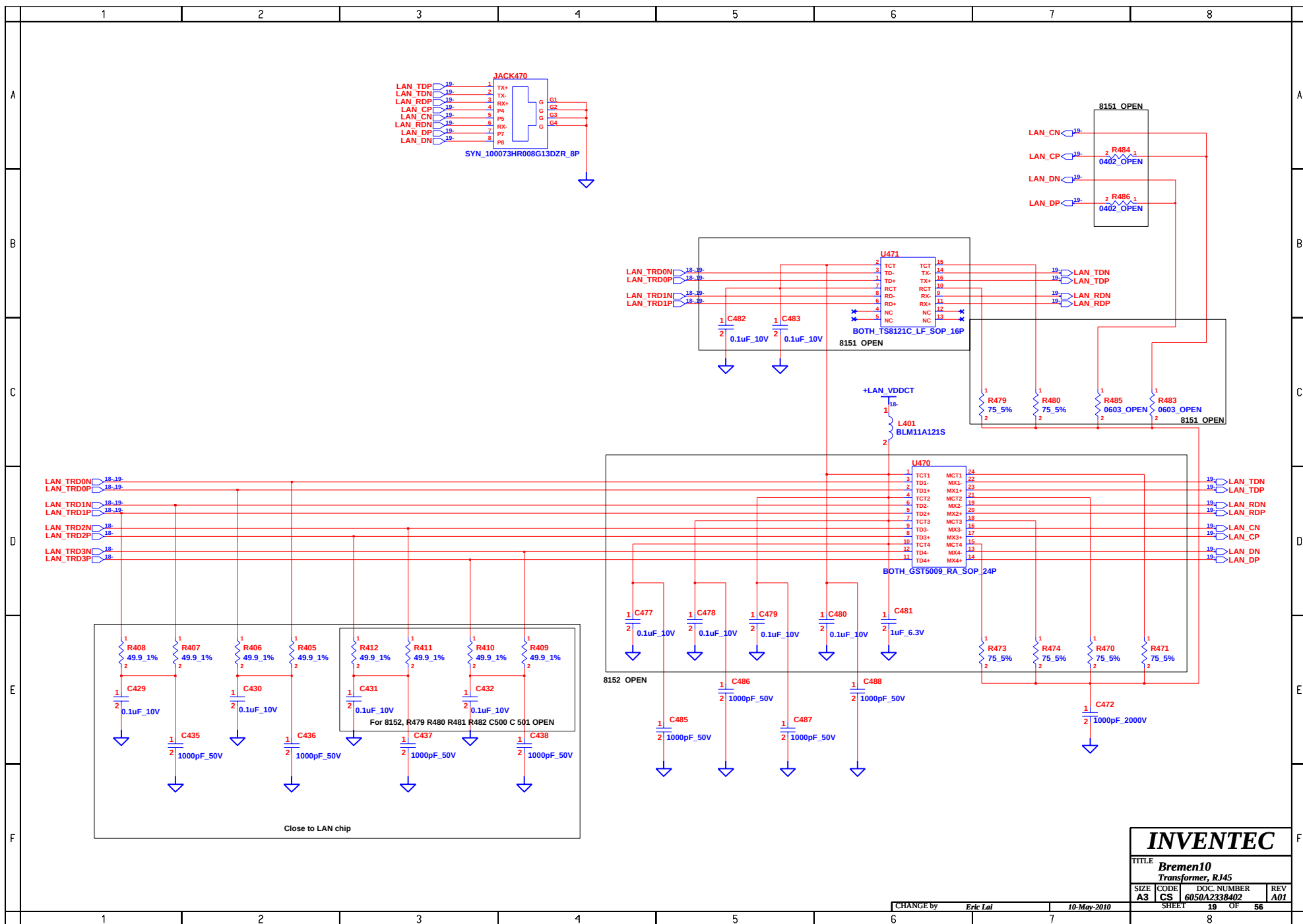
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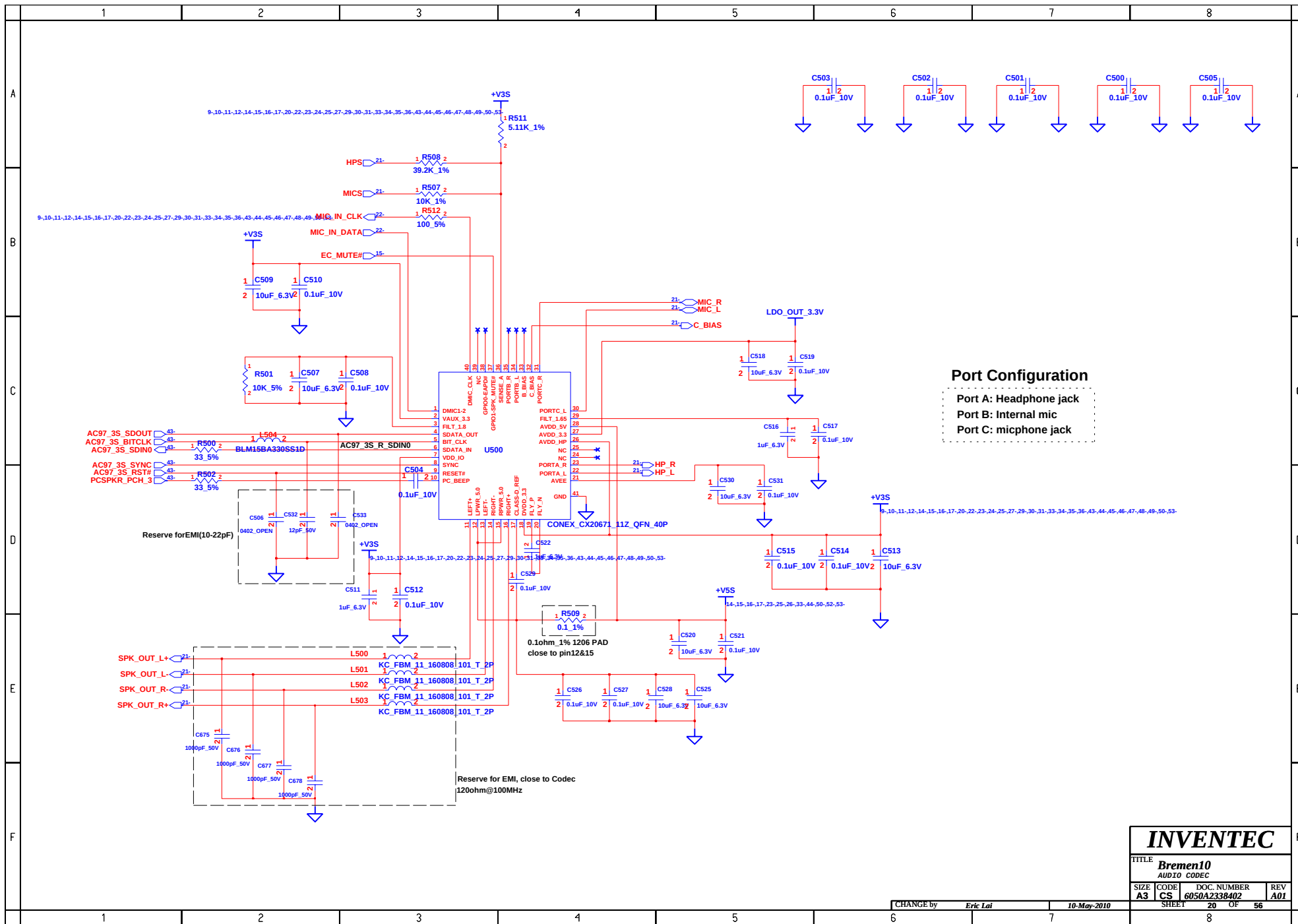
TITLE
Bremen10
FAN, Thermal controller

SIZE CODE DOC. NUMBER REV
A3 CS 6050A2338402 A01

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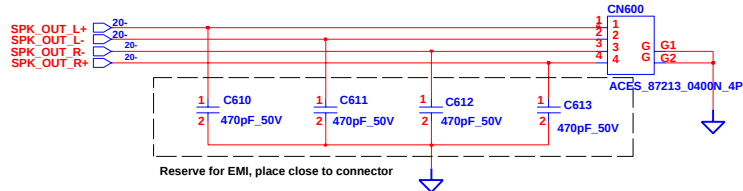




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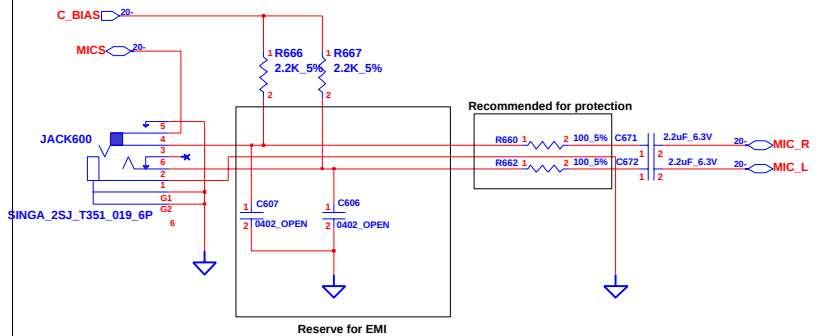
TITLE Bremen10 AUDIO CODEC			
SIZE A3	CODE CS	DOC. NUMBER 6050A2338402	REV A01
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INTERNAL SPEAKERS

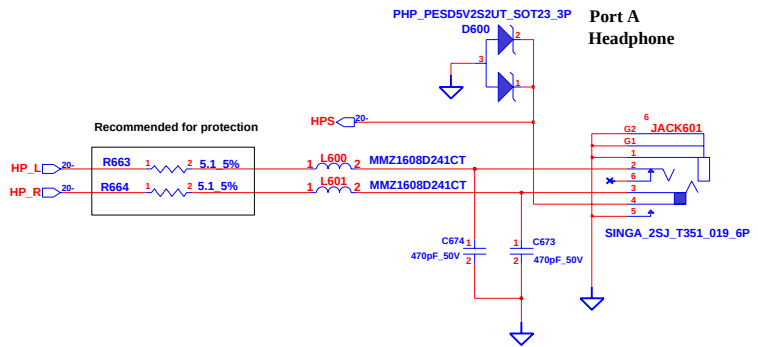


AUDIO JACKS

Port C
External microphone



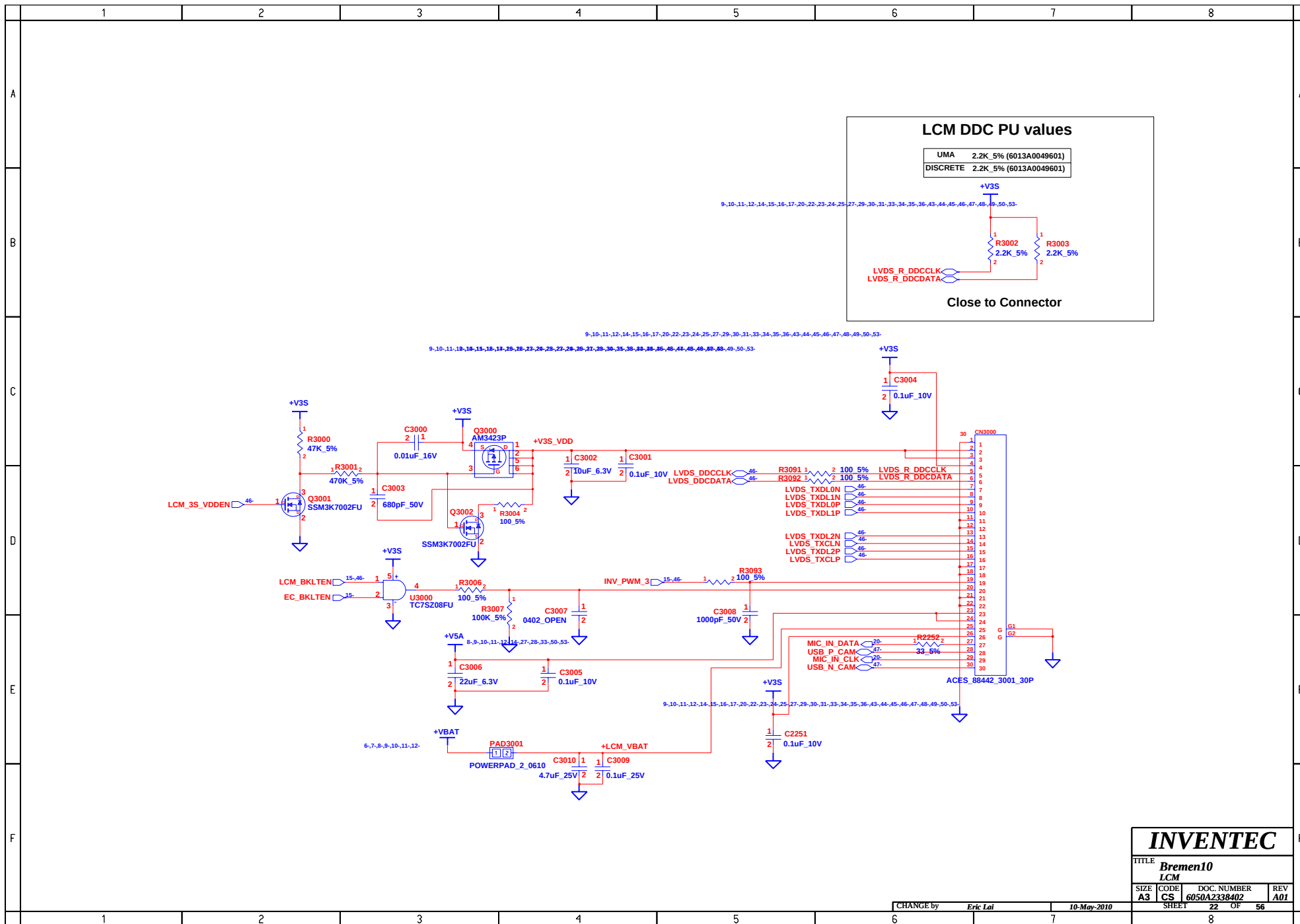
Port A
Headphone

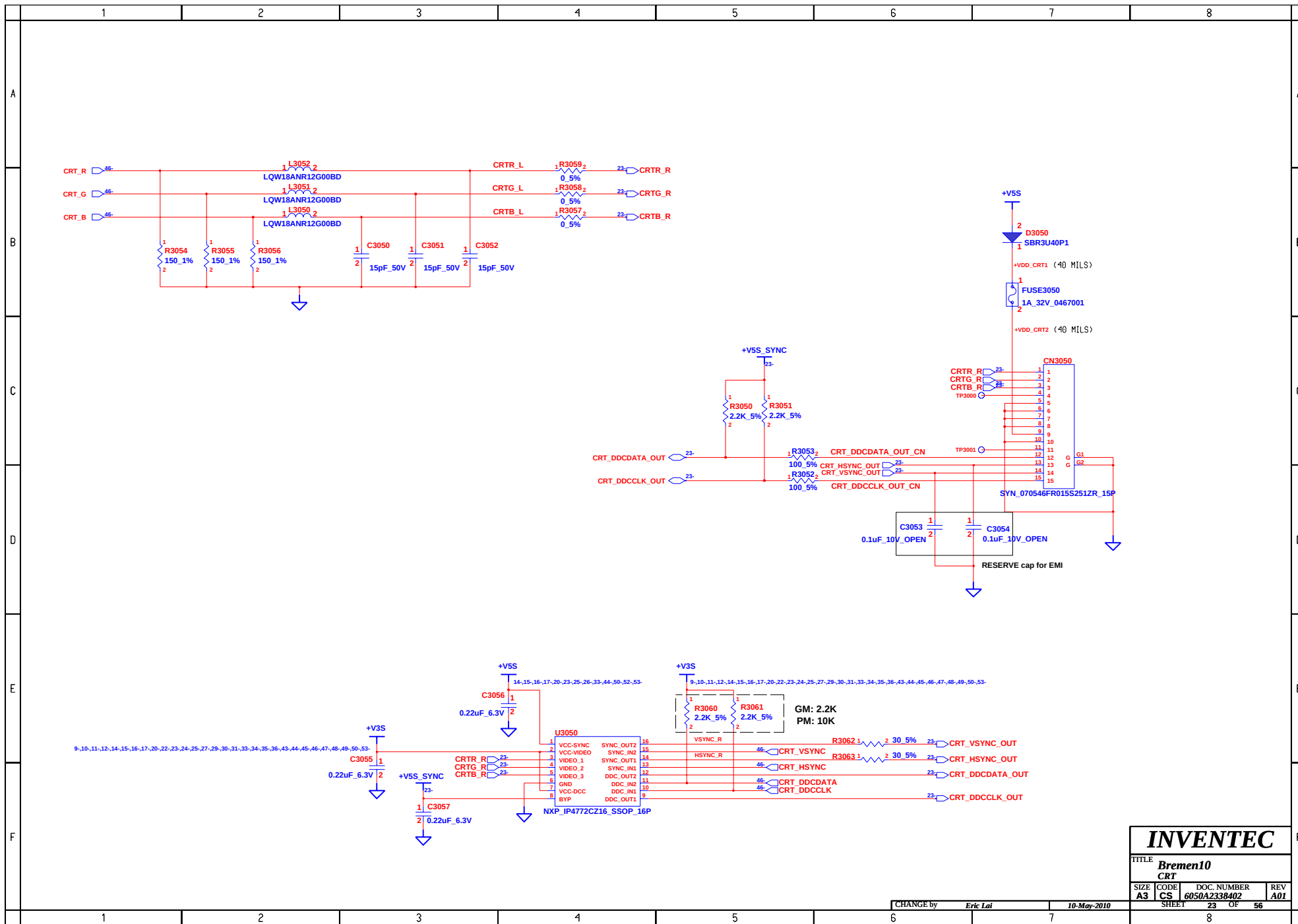


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TITLE			
Bremen10			
AUDIO JACK			
SIZE	CODE	DOC. NUMBER	REV
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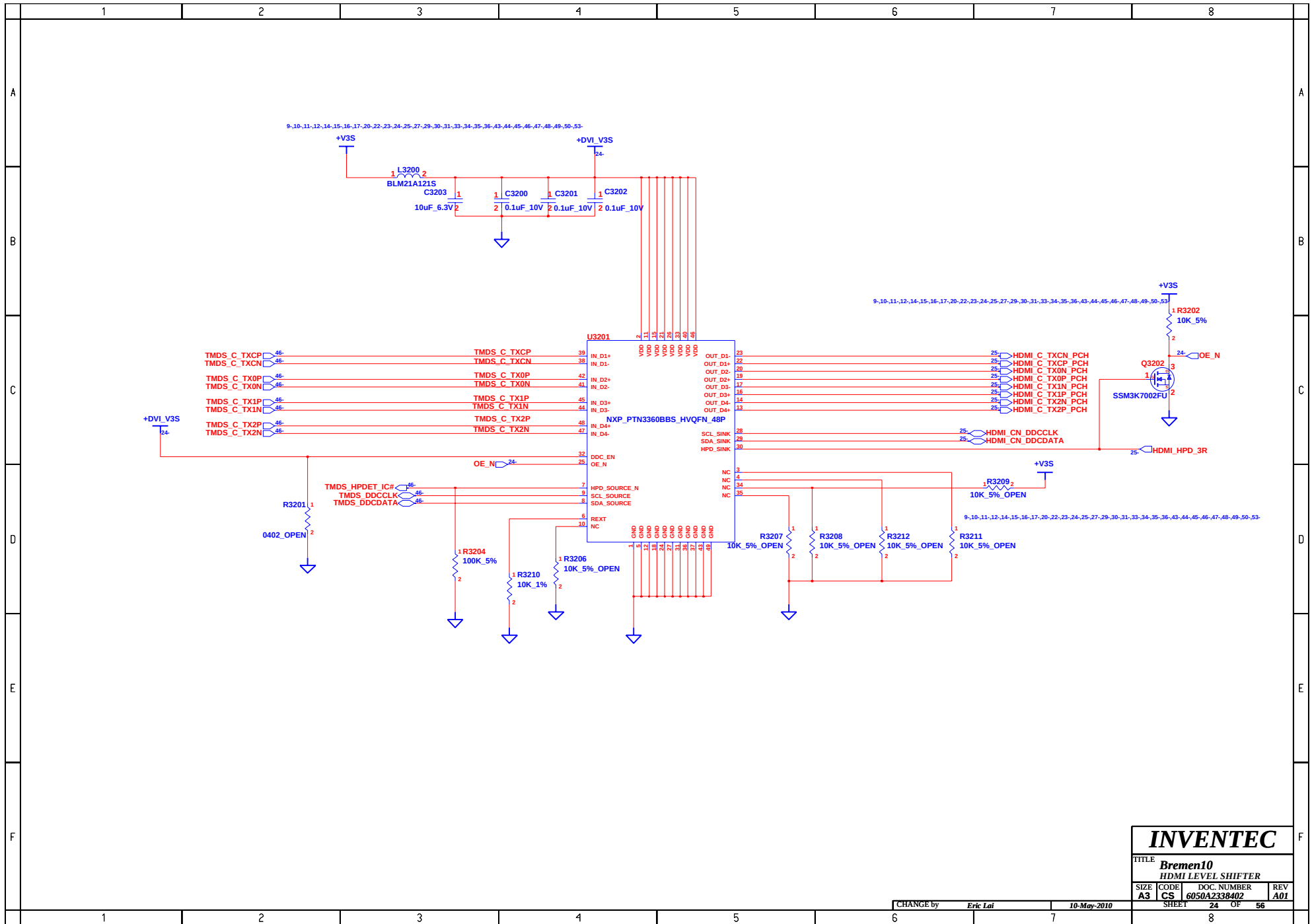
INVENTEC

TITLE
Bremen10
CRT

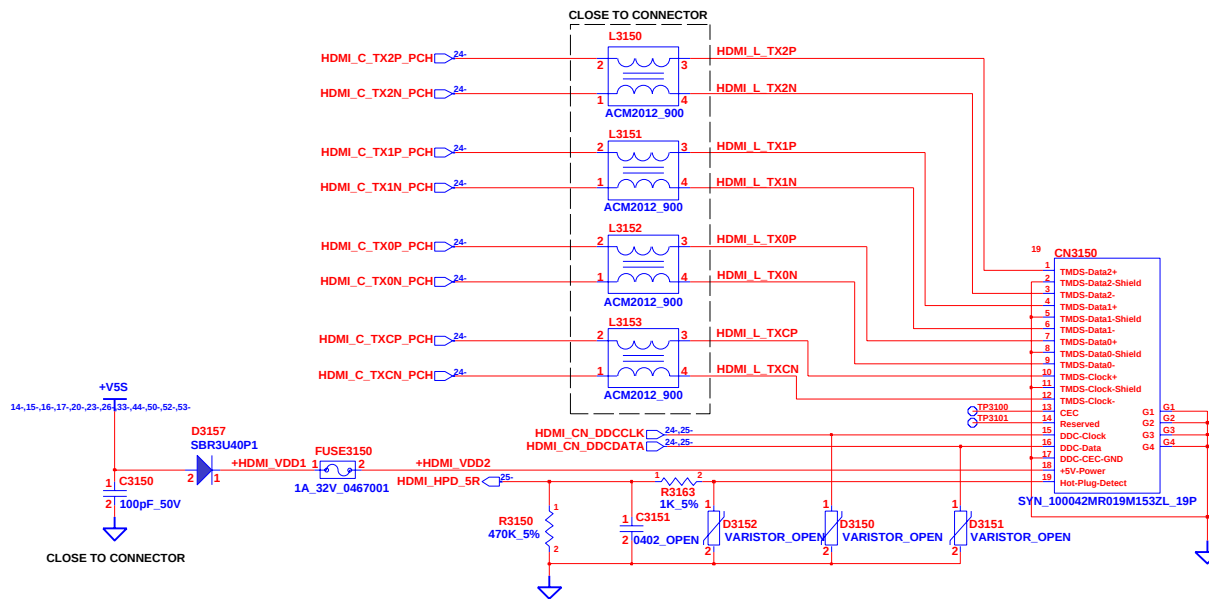
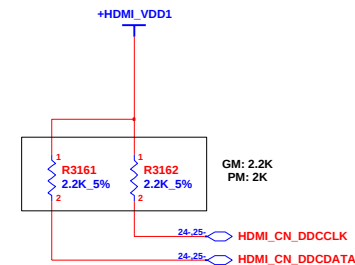
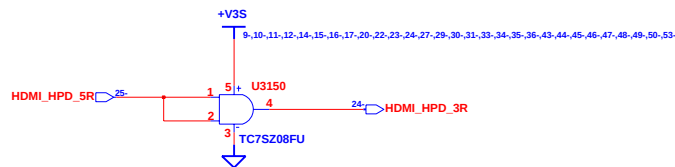
SIZE A3	CODE CS	DOC. NUMBER 6050A2338402	REV A01
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TITLE			
Bremen10			
HDMI LEVEL SHIFTER			
SIZE	CODE	DOC. NUMBER	REV
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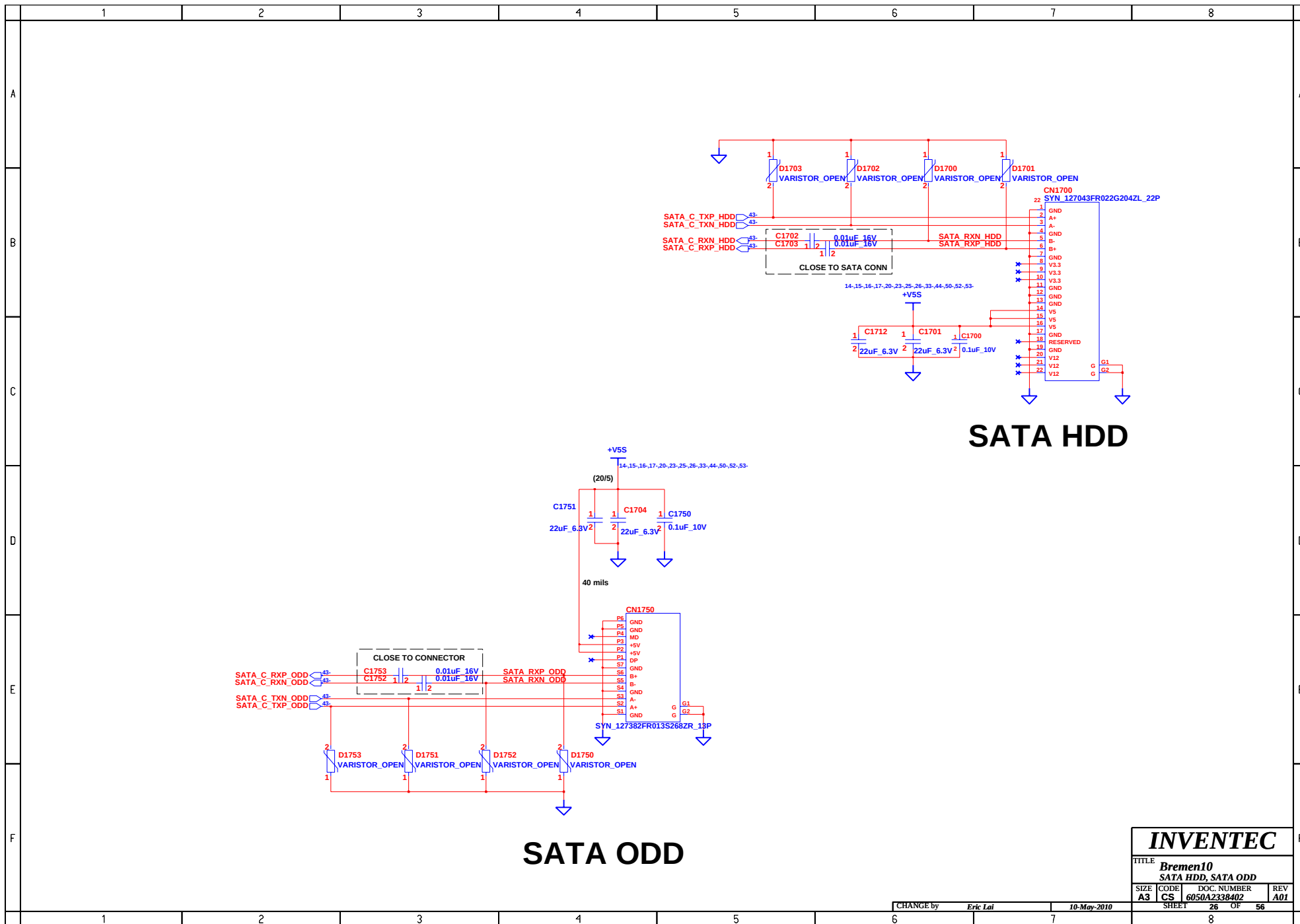


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TITLE Bremen10 HDMI			
SIZE A3	CODE CS	DOC. NUMBER 6050A2338402	REV A01

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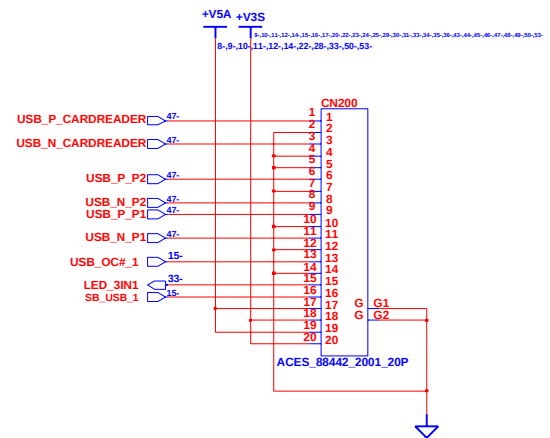
INVENTEC

TITLE		
Bremen10		
SATA HDD, SATA ODD		
SIZE	CODE	DOC. NUMBER
A3	CS	6050A2338402
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CardReader/USB Connector



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TITLE
Bremen10
CARD READER & USB CNTR

SIZE A3	CODE CS	DOC. NUMBER 6050A2338402	REV A01
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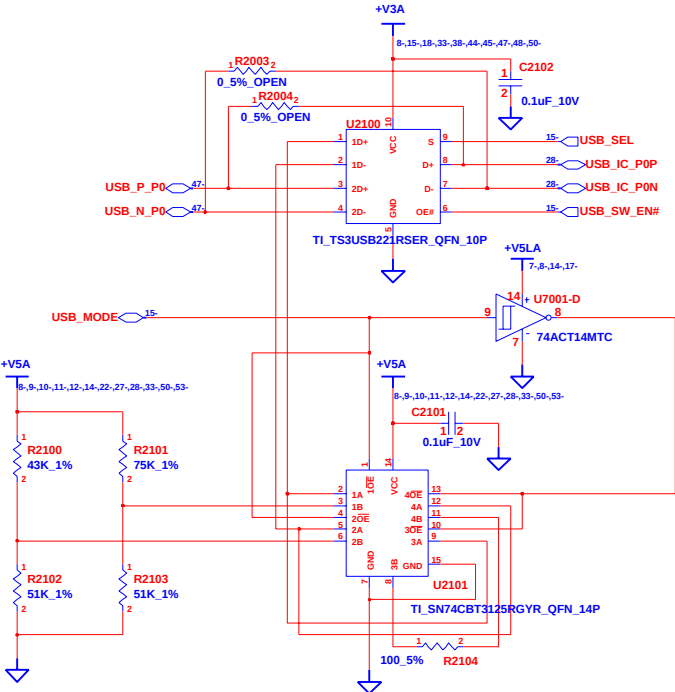
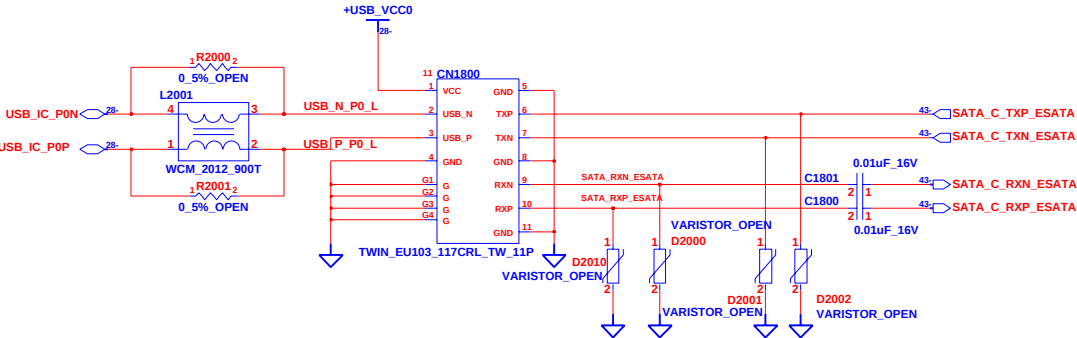
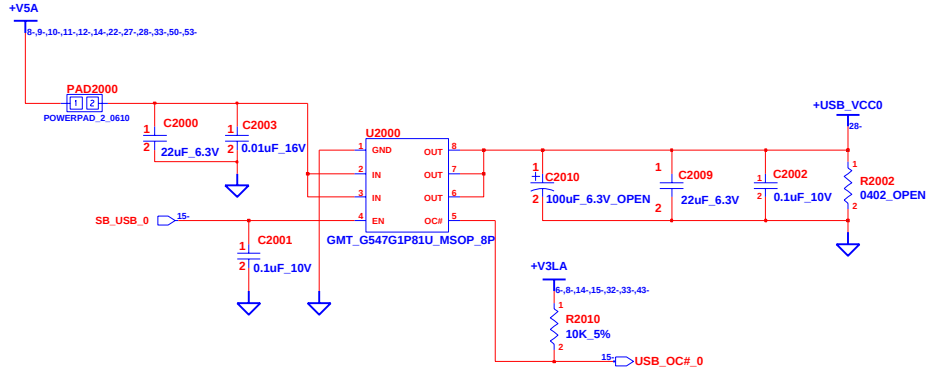
CHANGE by *Eric Lal* 10-May-2010

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USB/eSATA COMBO

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

S	OE#	Function
X	H	Disconnect
L	L	D=1D
H	L	D=2D



	1OE#	2OE#	3OE#	4OE#
Mode3	High	High	Low	Low
Mode4	Low	Low	High	High

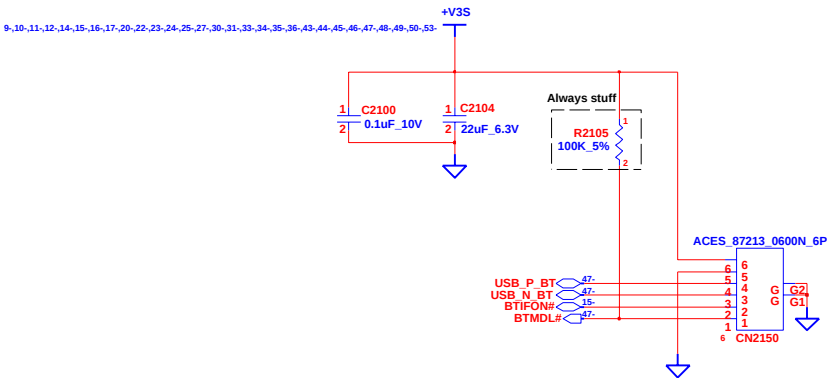
INVENTEC

TITLE		
Bremen10		
USB & eSATA COMBO		
SIZE	CODE	DOC. NUMBER
A3	CS	6050A2338402
SHEET		REV
28		A01

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8

BLUEBOOTH



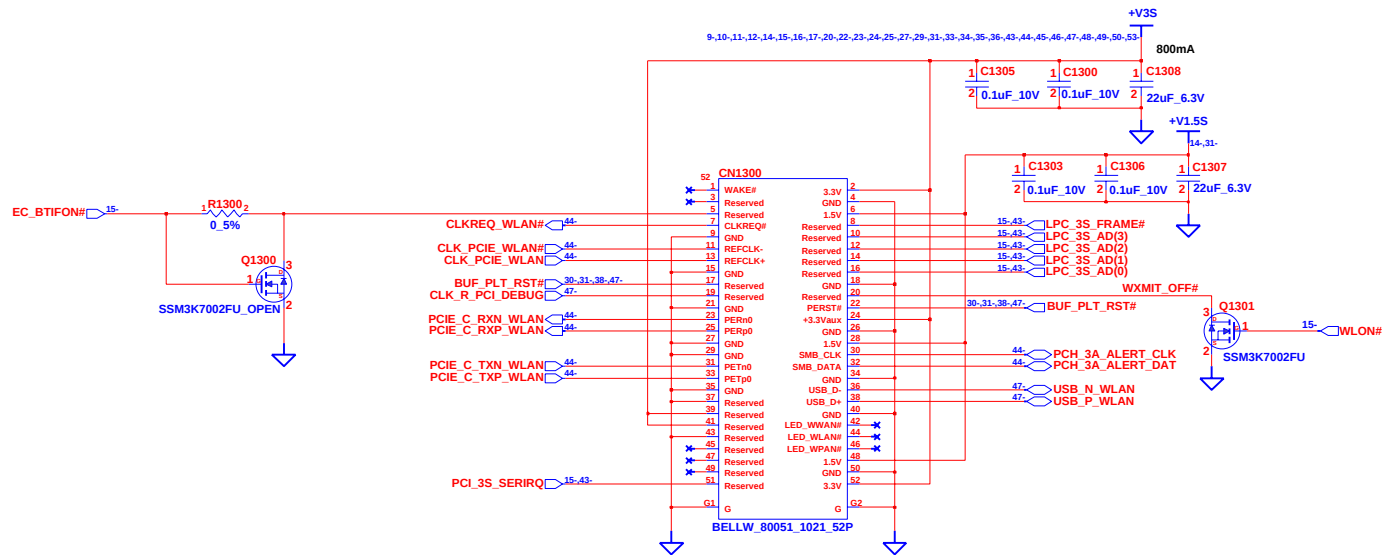
INVENTEC

TITLE			
Bremen10			
BlueTooth			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2338402	A01

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Wireless & Debug card

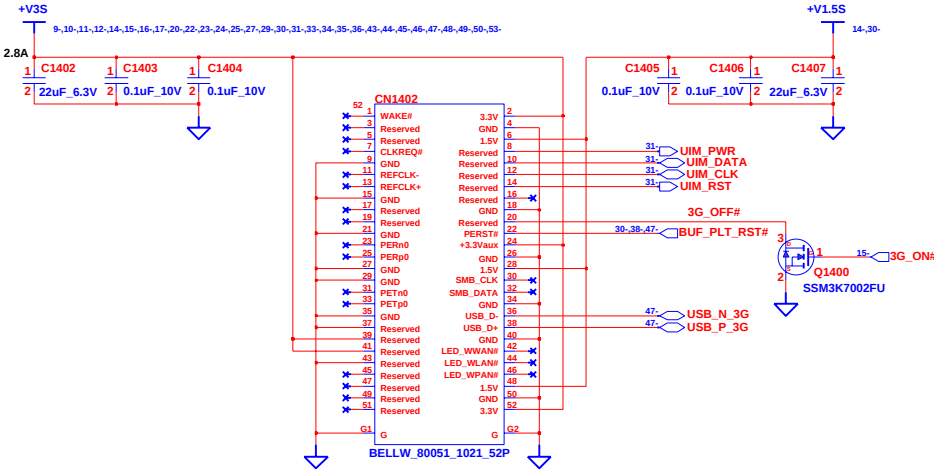
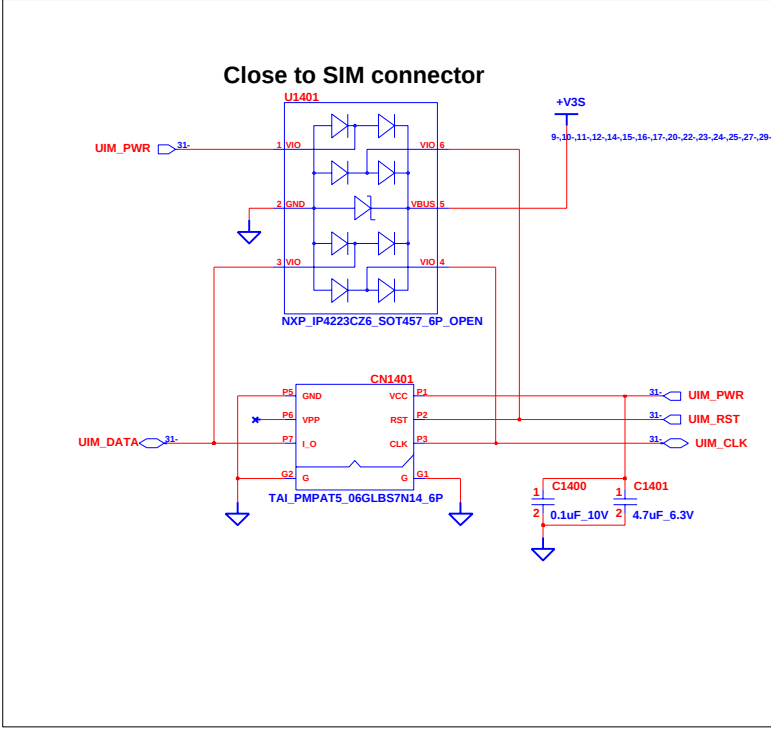


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Bremen10			
WLAN			
SIZE	CODE	DOC. NUMBER	REV
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3G



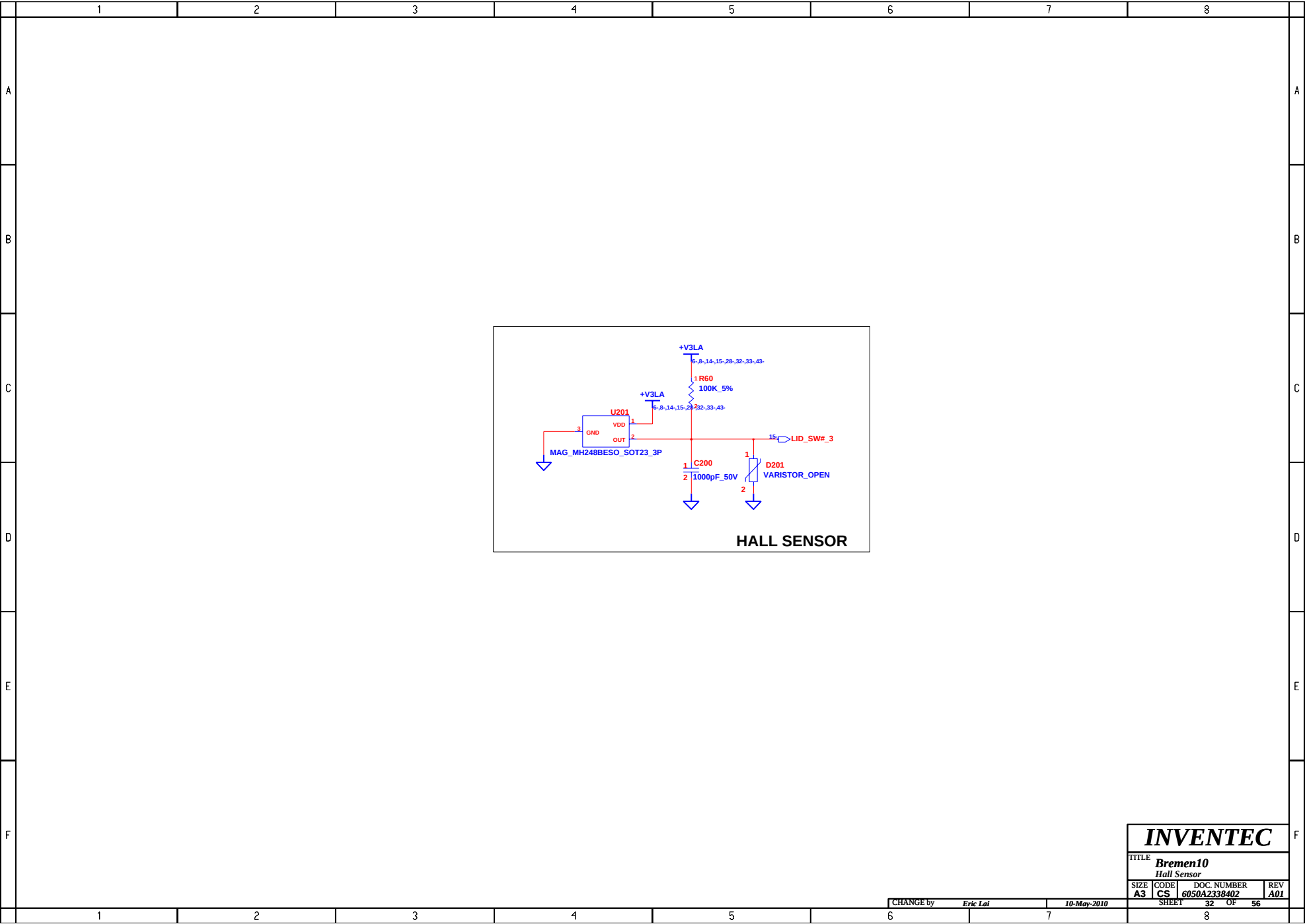
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TITLE	Bremen10 3G
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SIZE A3	CODE CS	DOC. NUMBER 6050A2338402	REV A01
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CHANGE by	<i>Eric Lai</i>	<i>10-May-2010</i>
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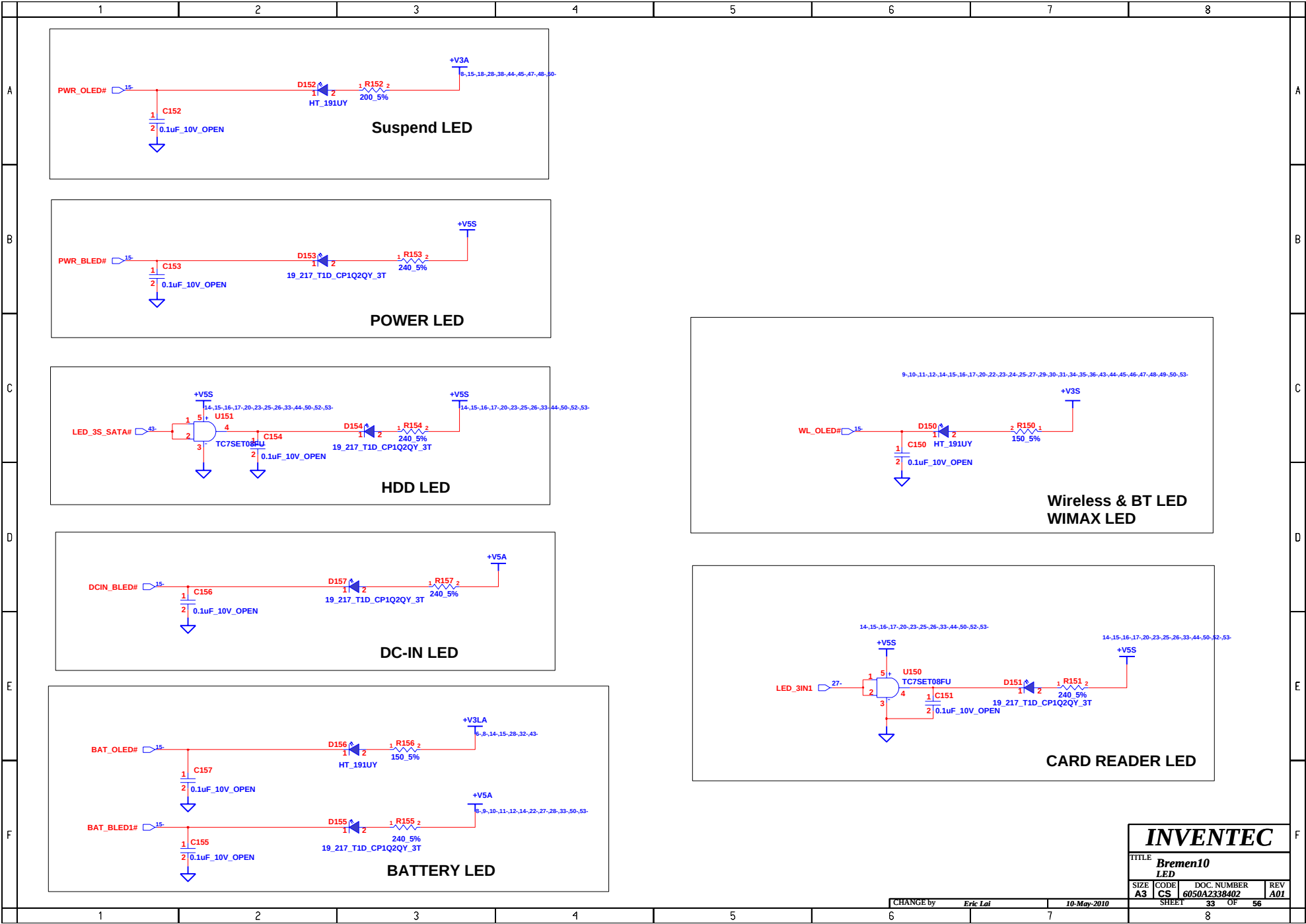
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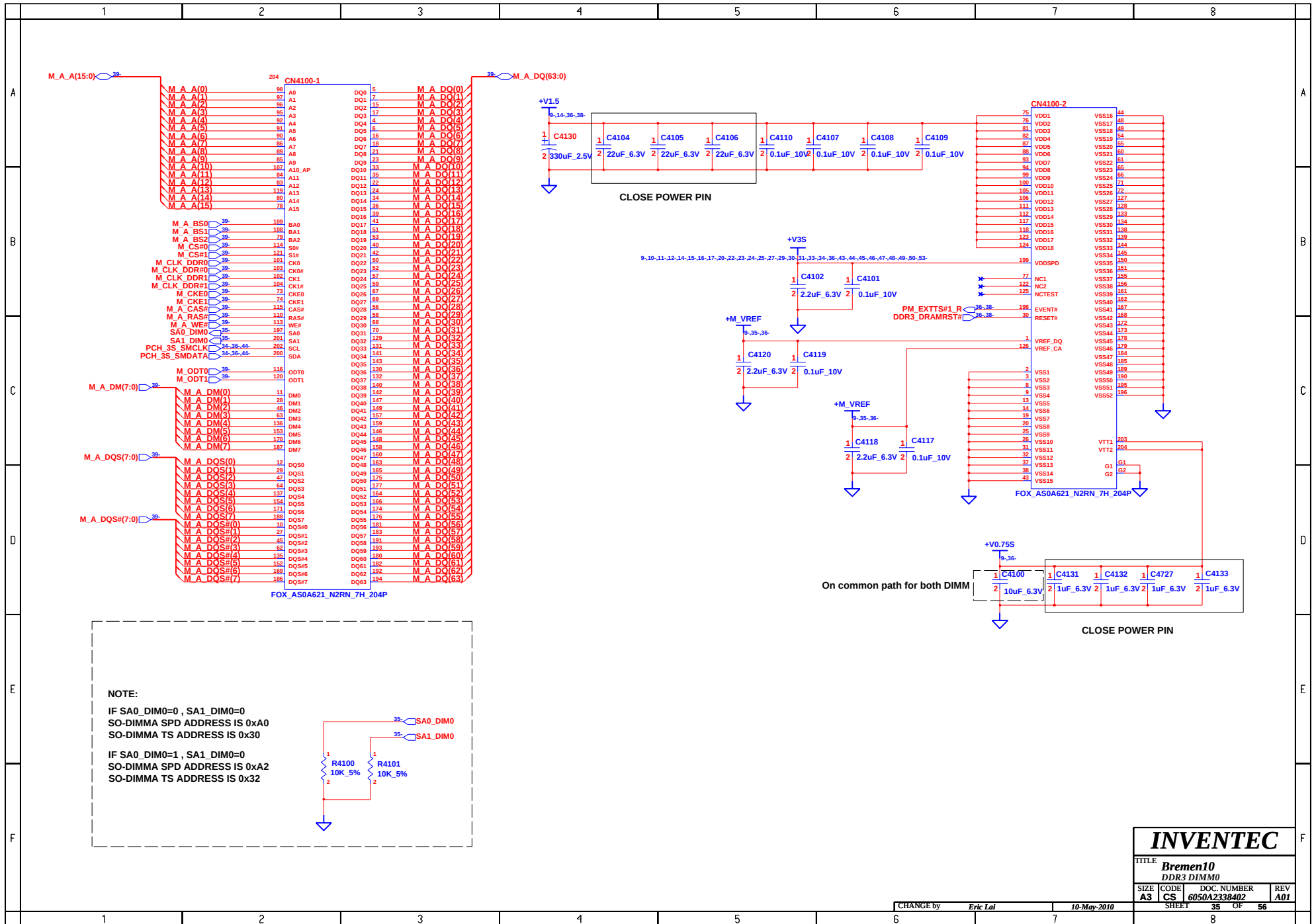


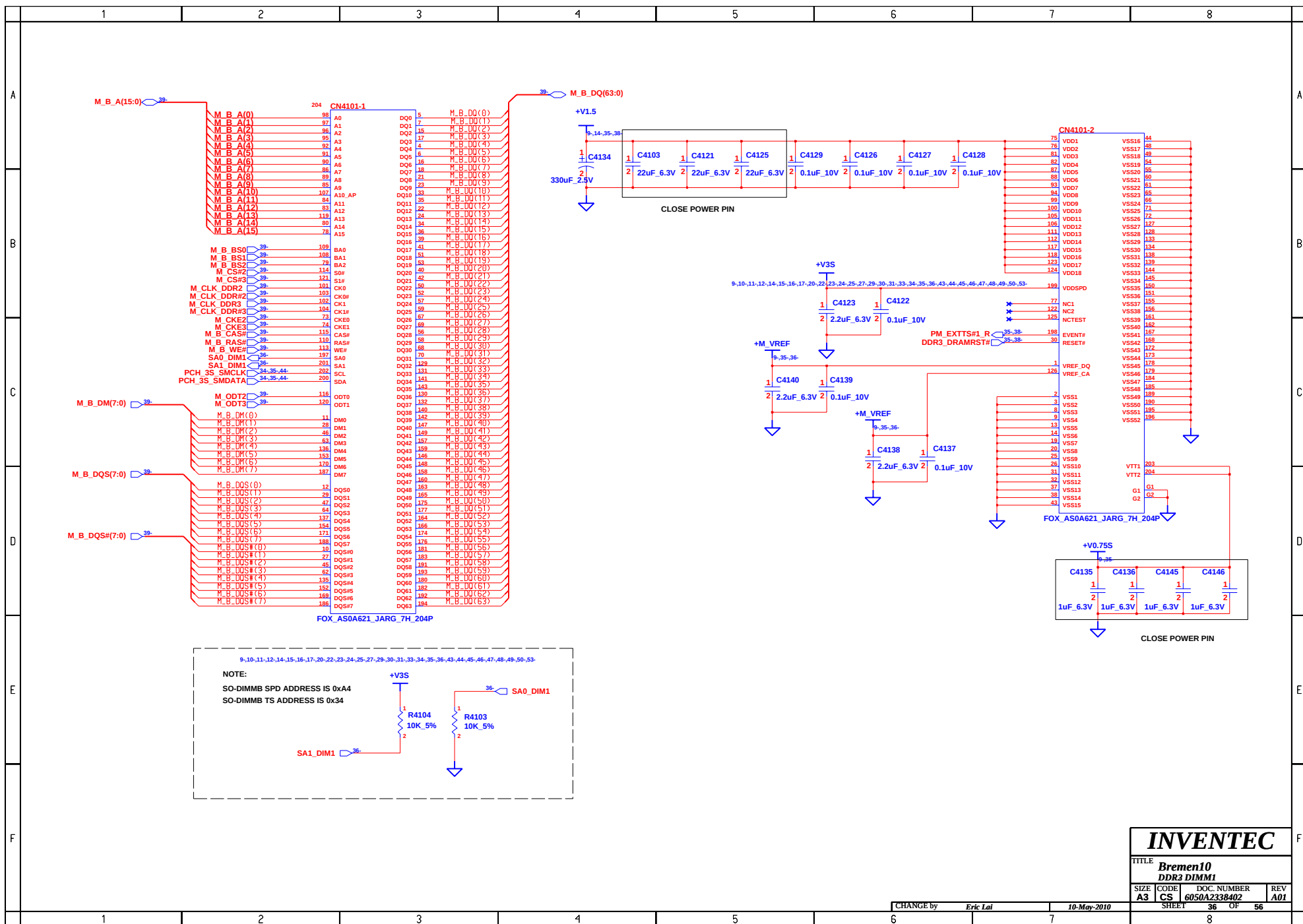
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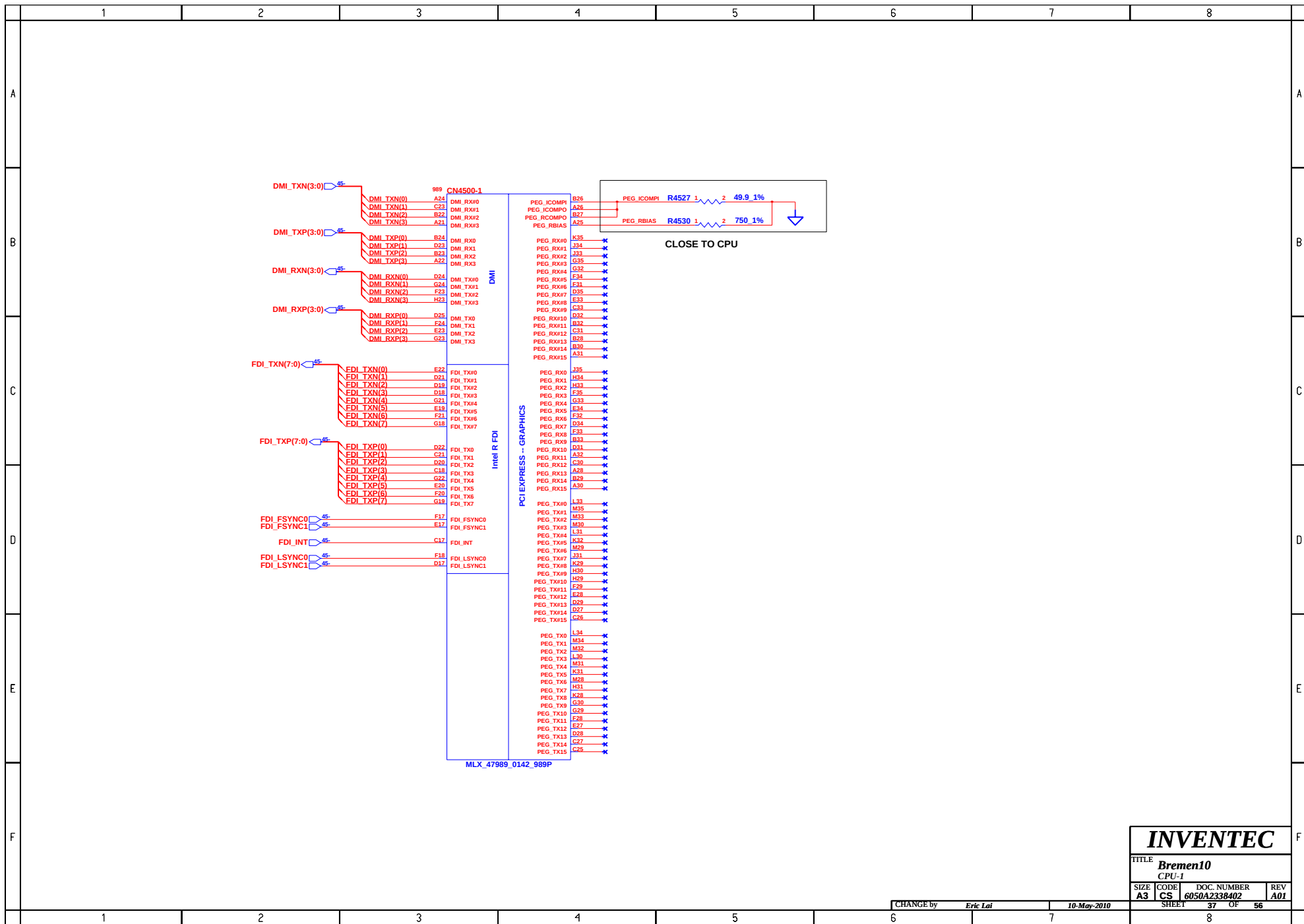
TITLE
Bremen10
Hall Sensor

SIZE	CODE	DOC. NUMBER	REV
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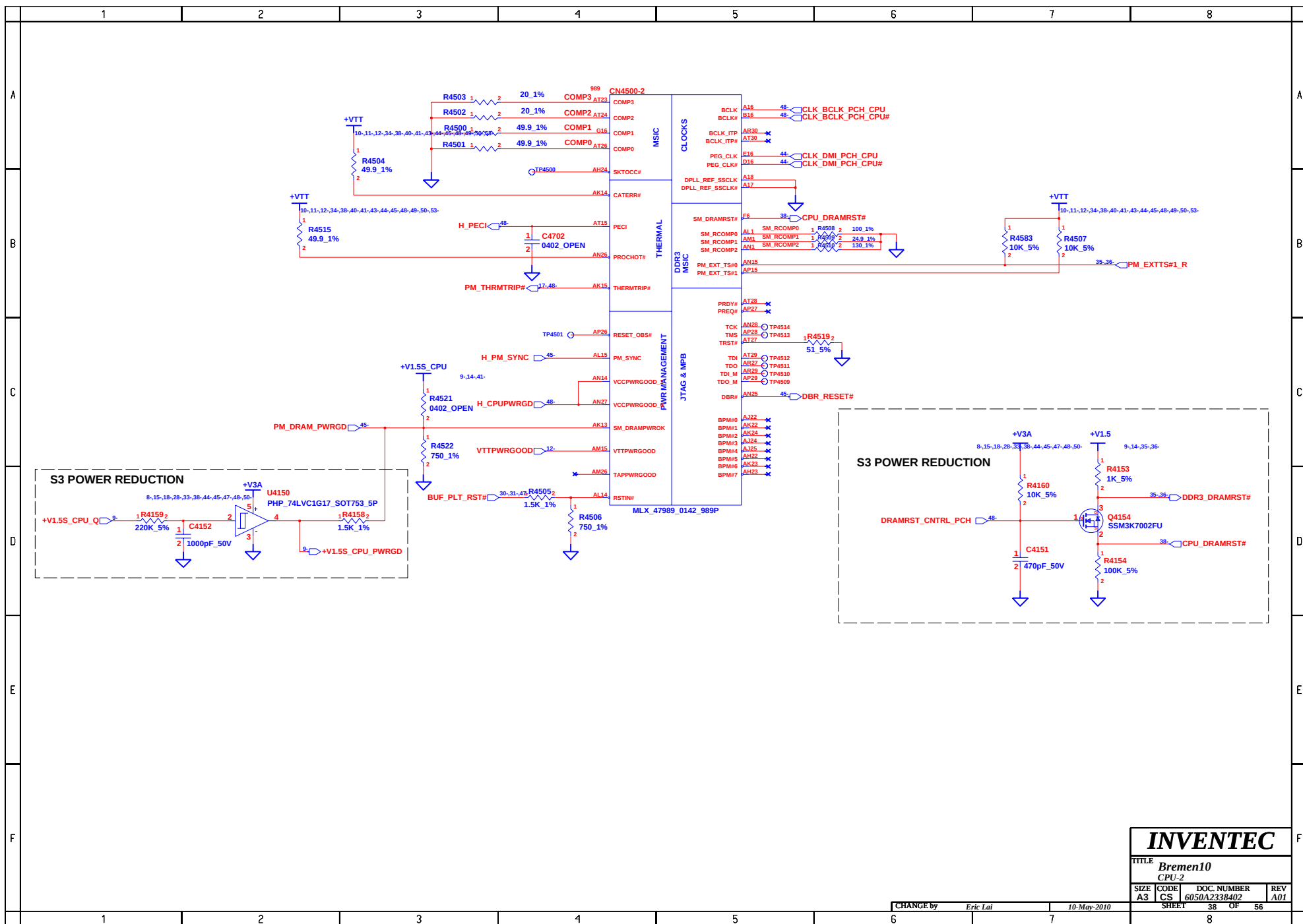


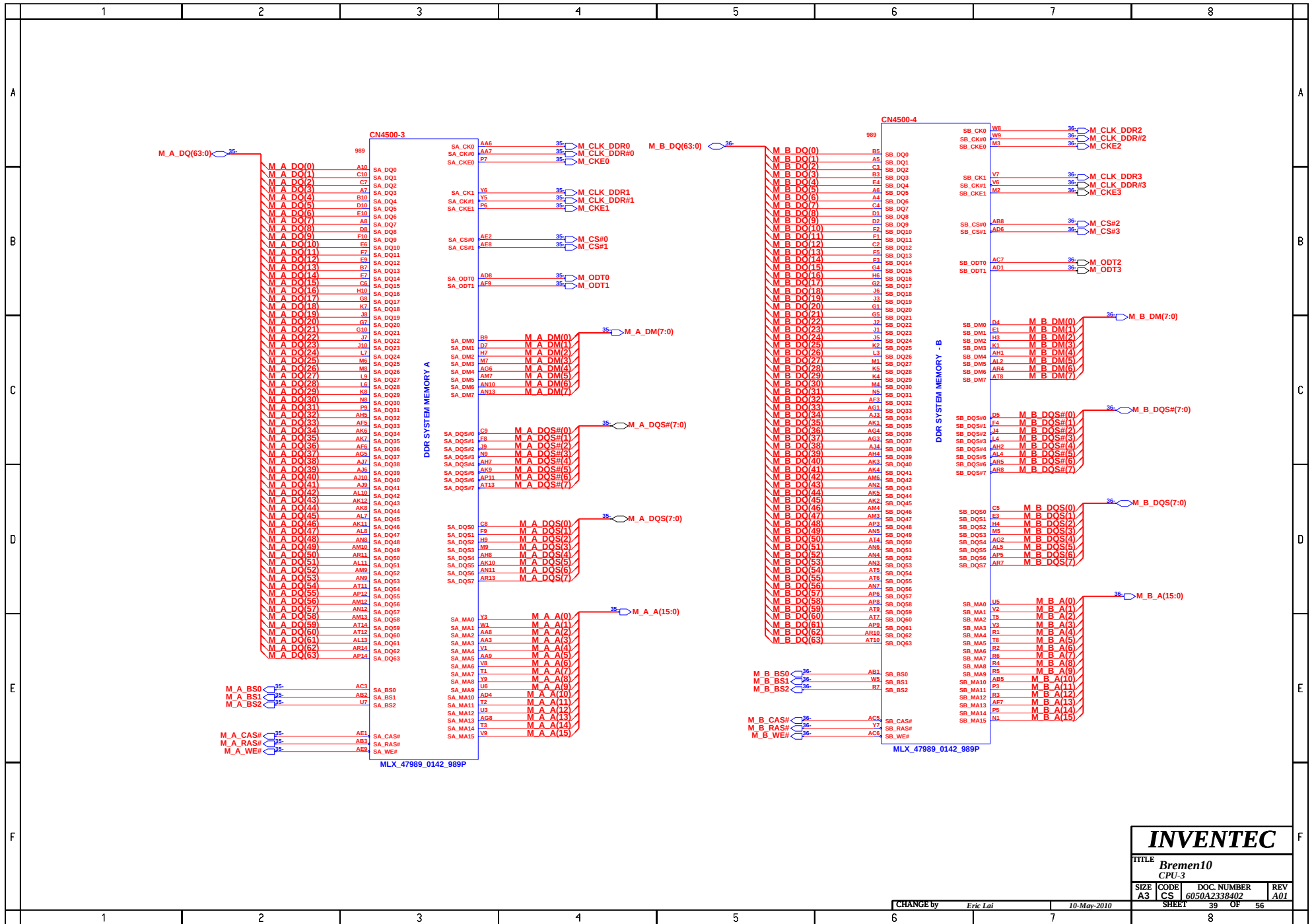


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TITLE Bremen10 CPU-1			
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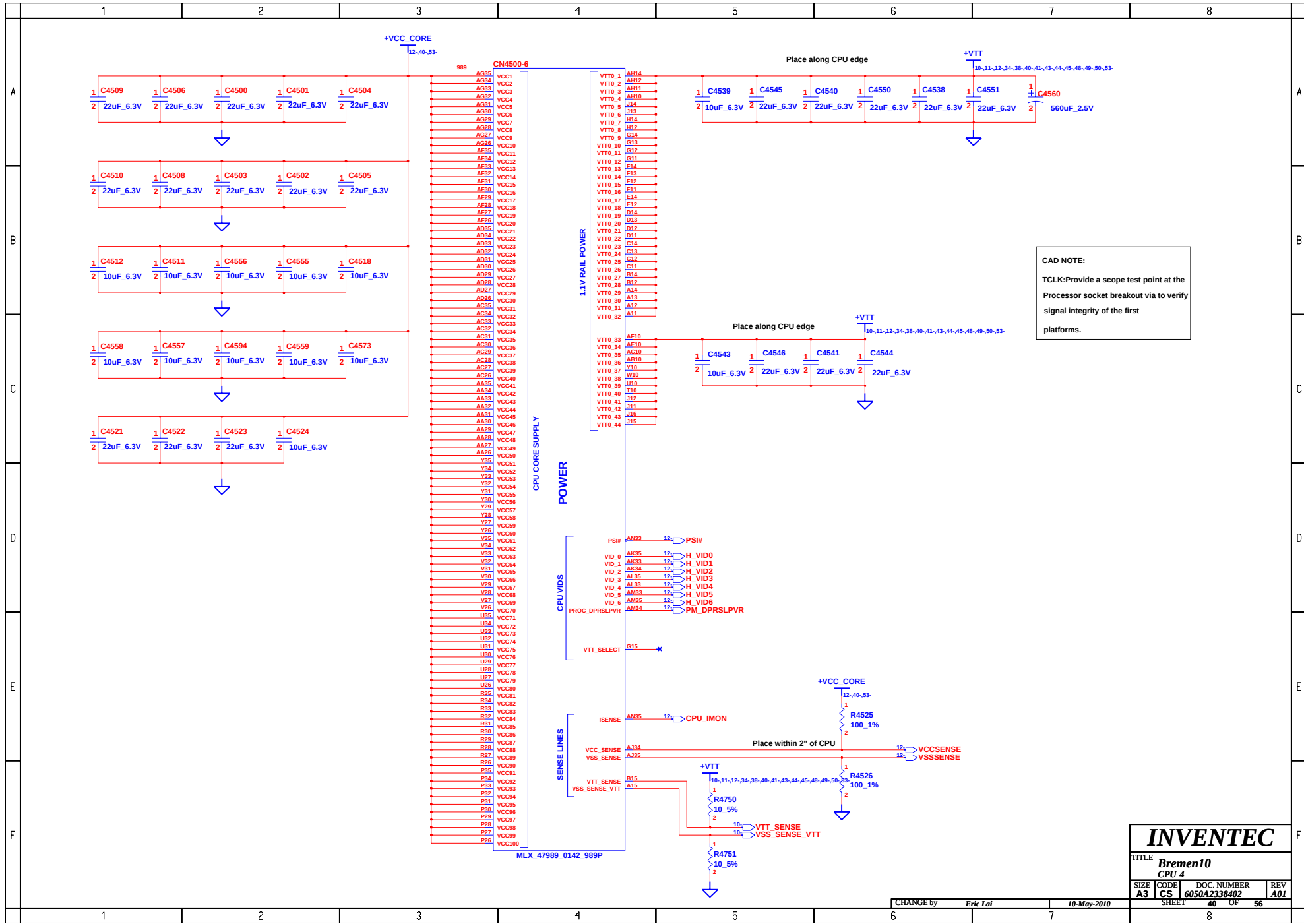
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Bremen10
CPU-3

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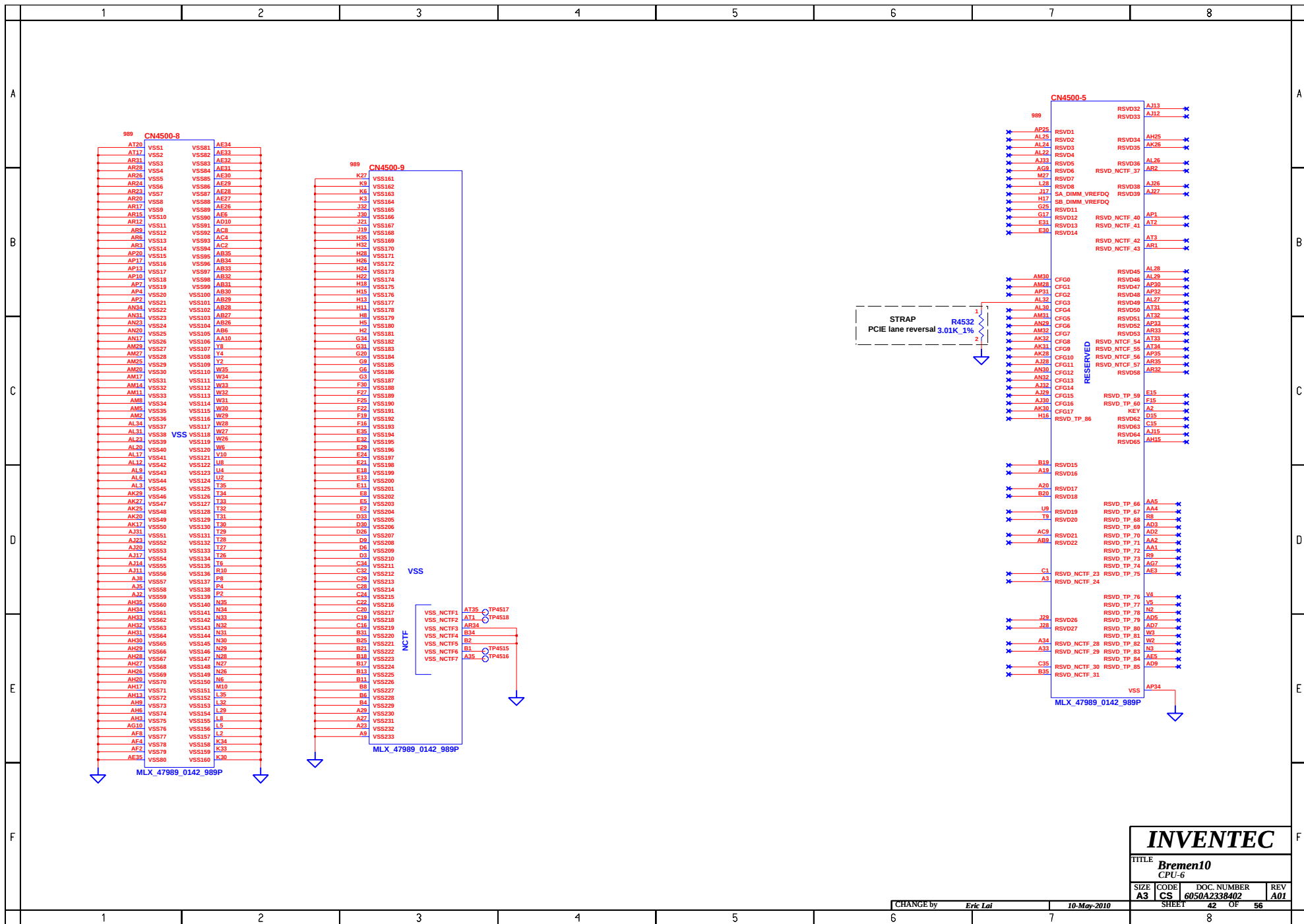
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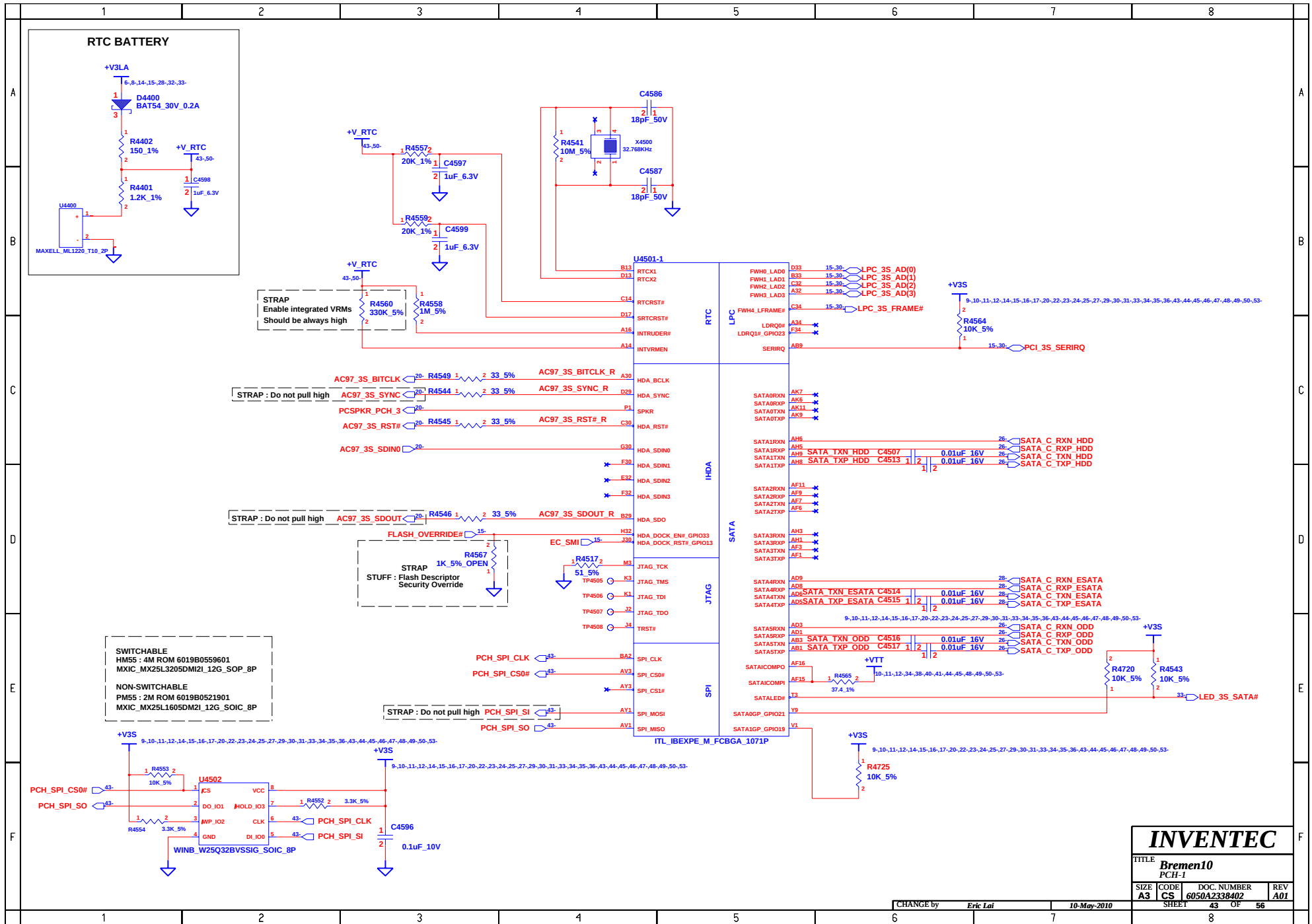
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SIZE A3	CODE CS	DOC. NUMBER 6050A2338402	REV A01	
CHANGE by Eric Lai		10-May-2010		
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TITLE
Bremen10
CPU-6

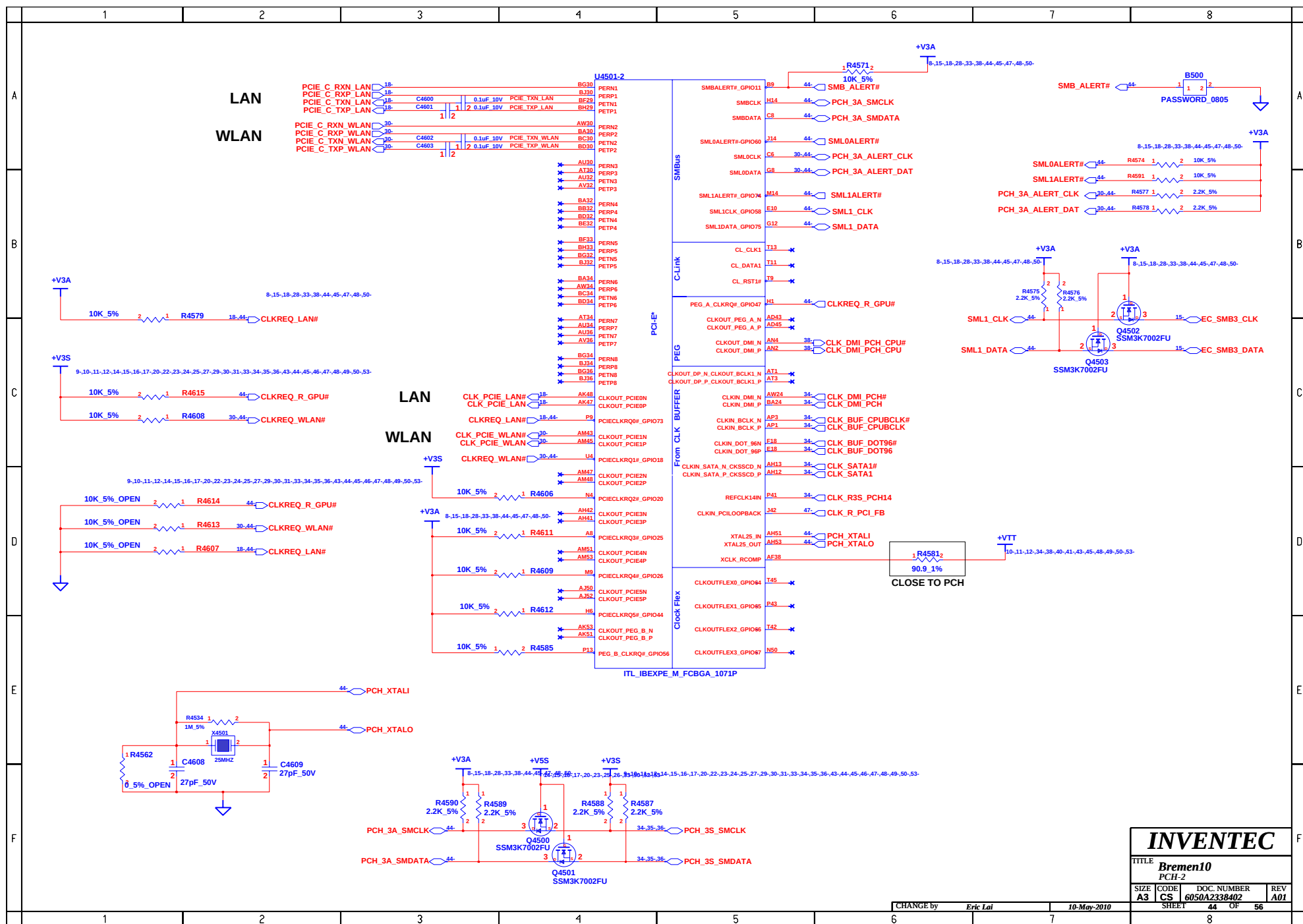
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A3	CS	6050A2338402	A01

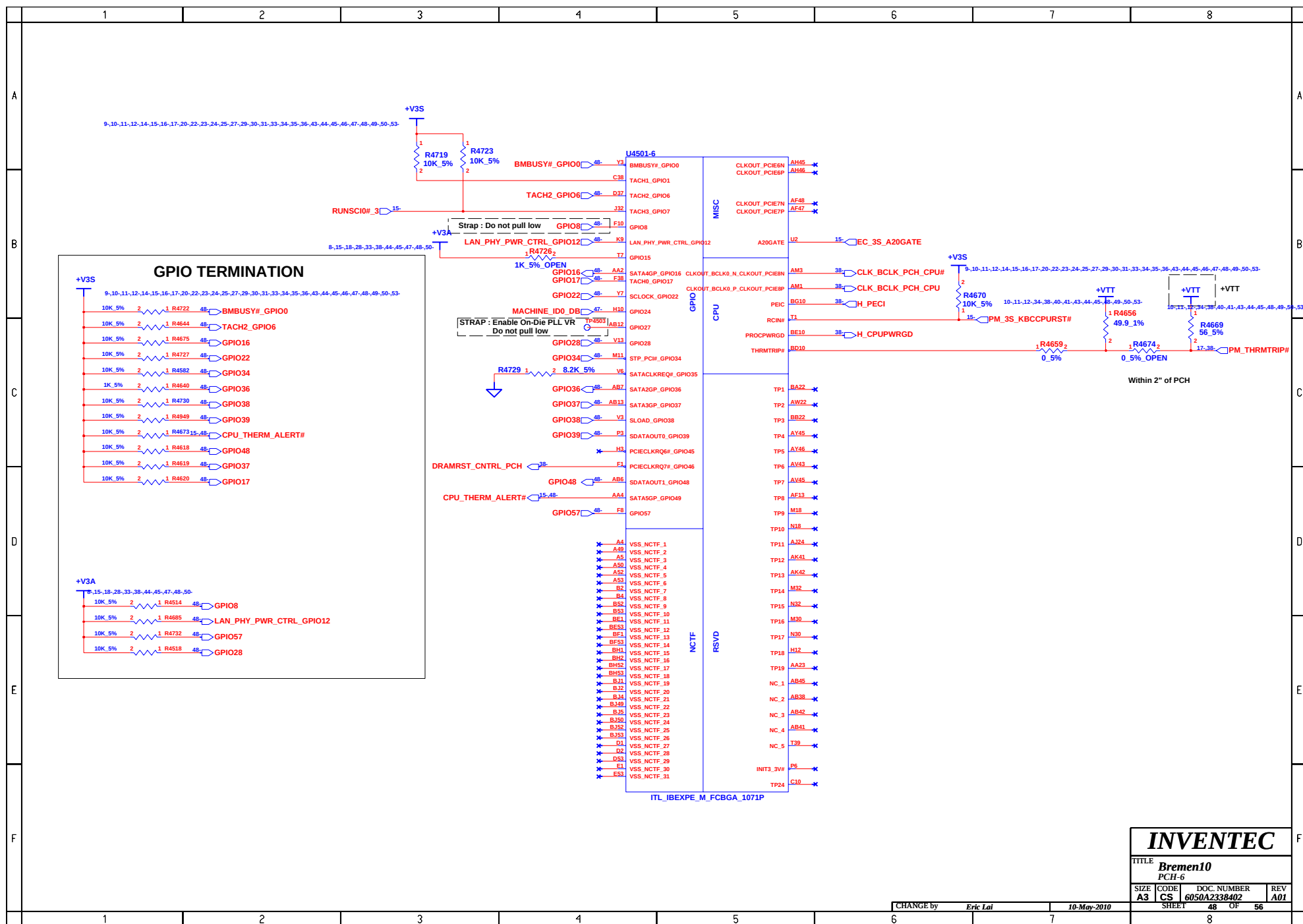


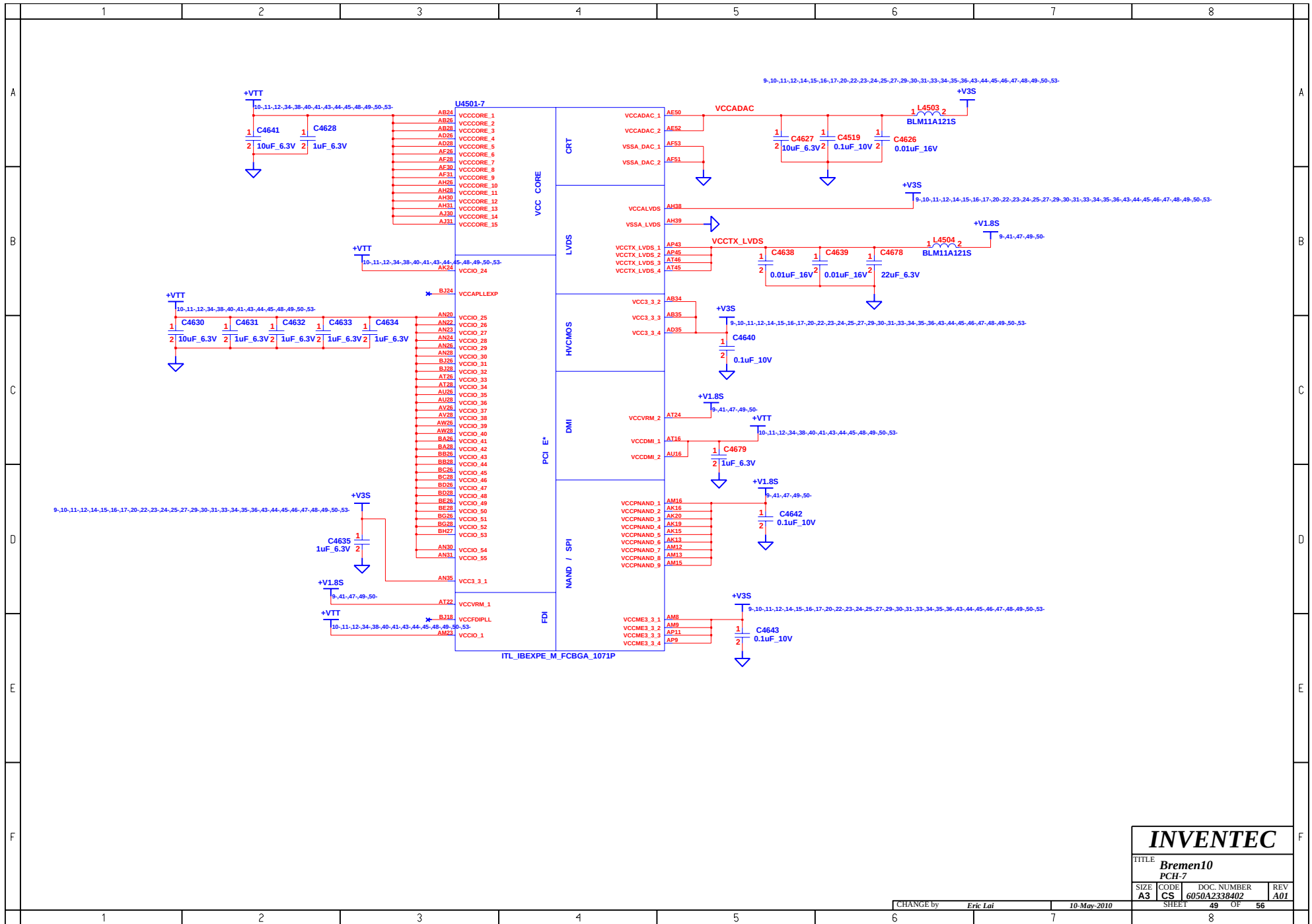
INVENTEC

TITLE			
Bremen10			
PCH-1			
SIZE	CODE	DOC. NUMBER	REV
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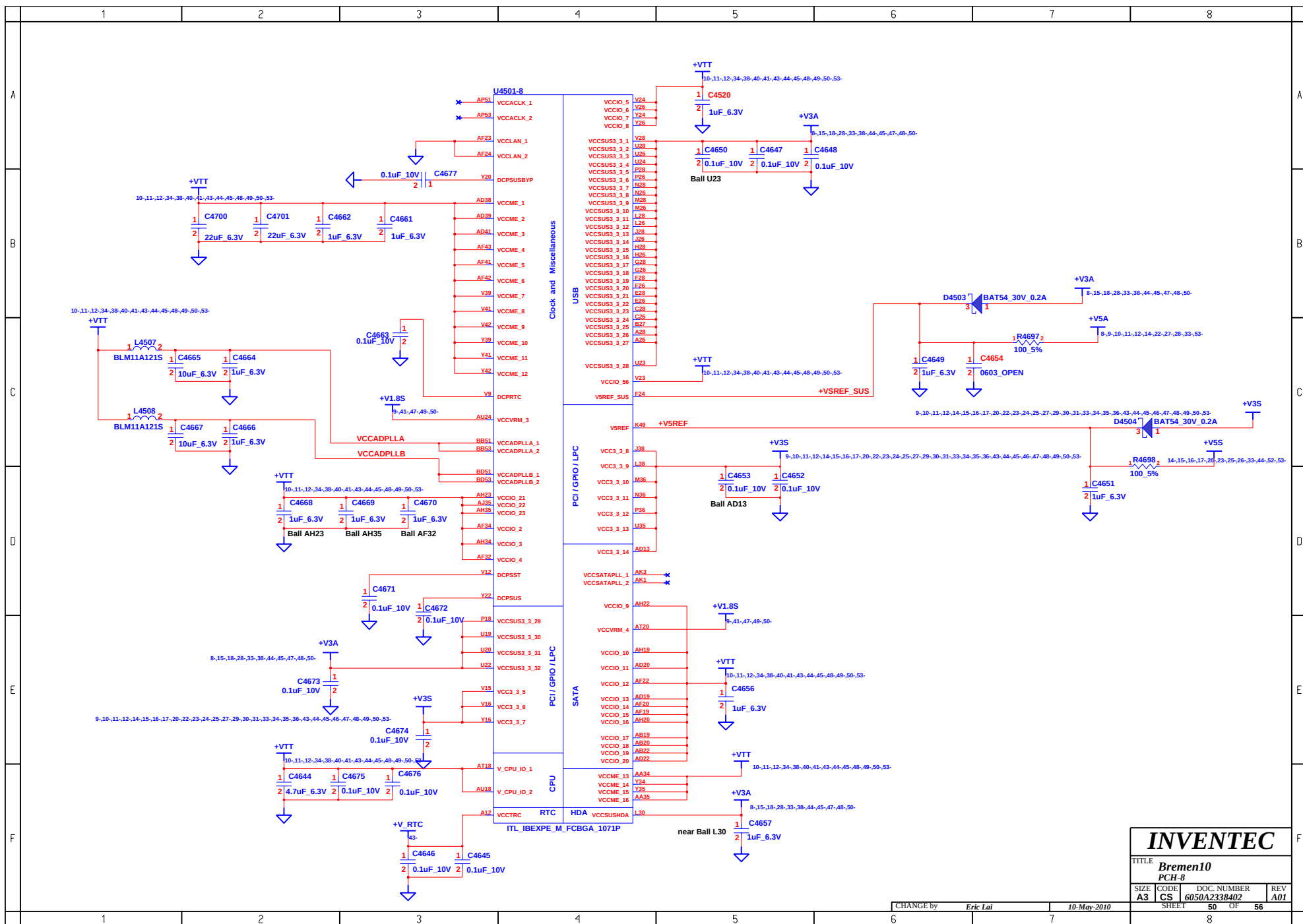




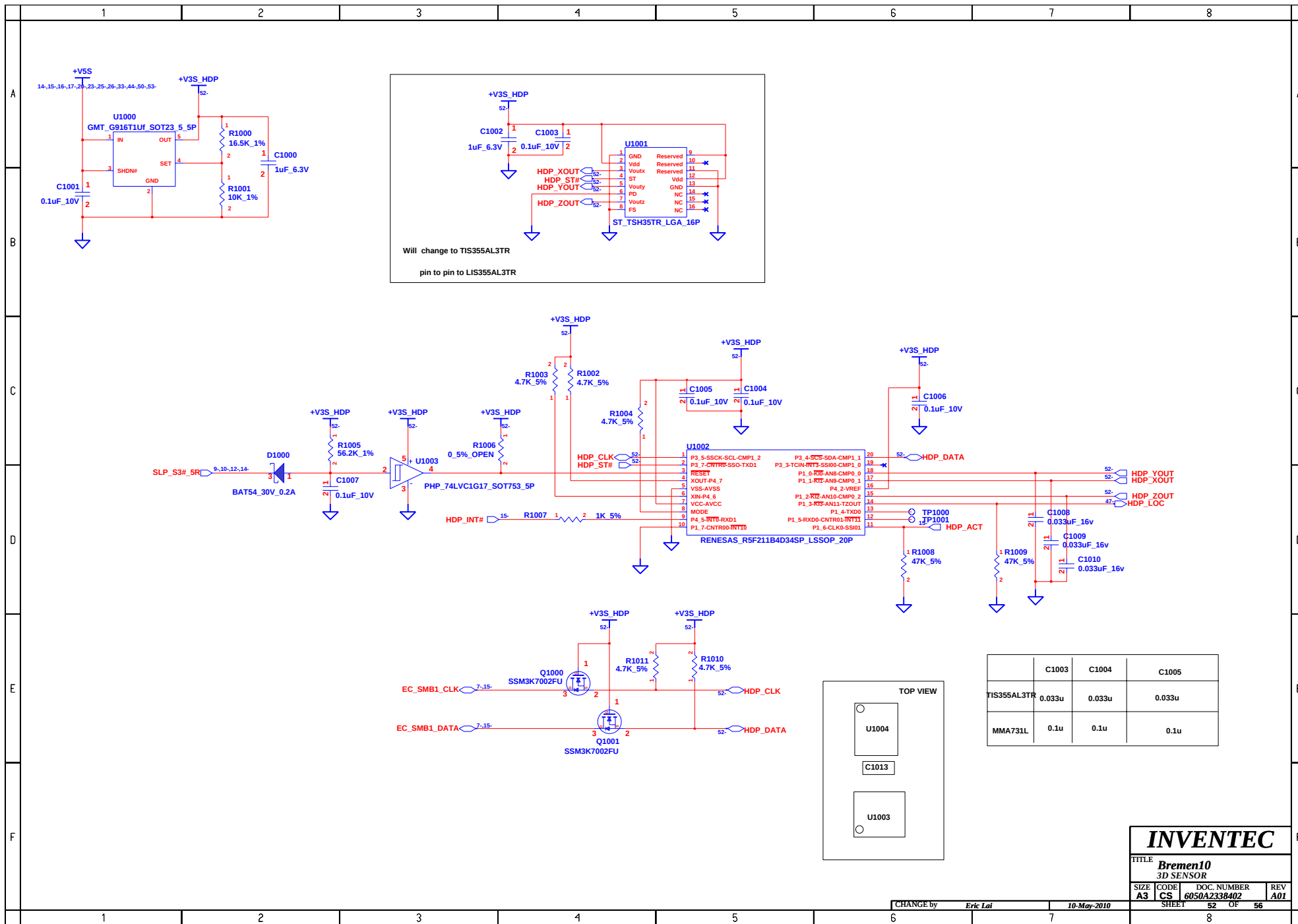
INVENTEC

TITLE			
Bremen10			
PCH-7			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	6050A2338402	A01
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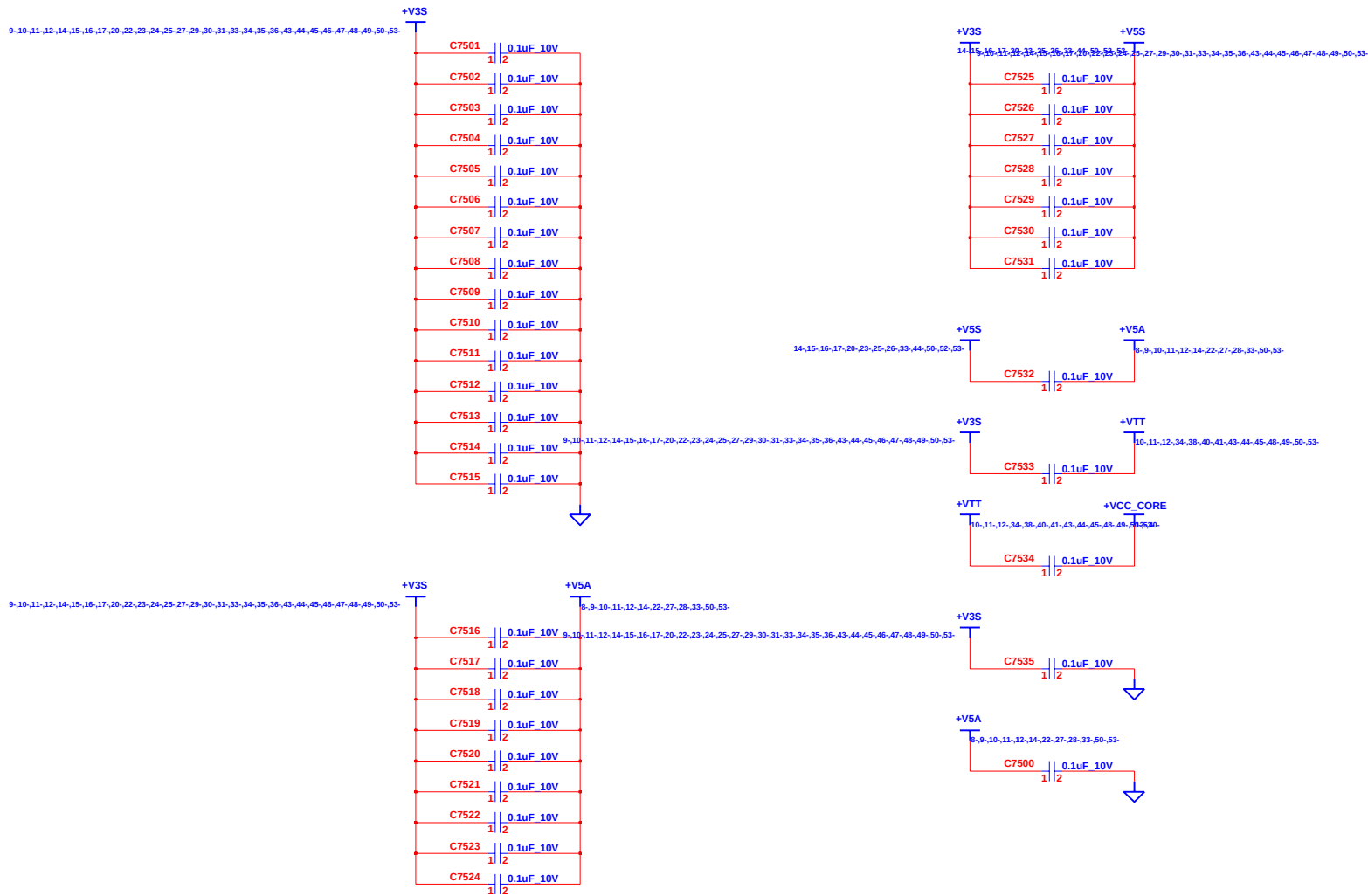
CHANGE by Eric Lai 10-May-2010



[illegible]



EMI

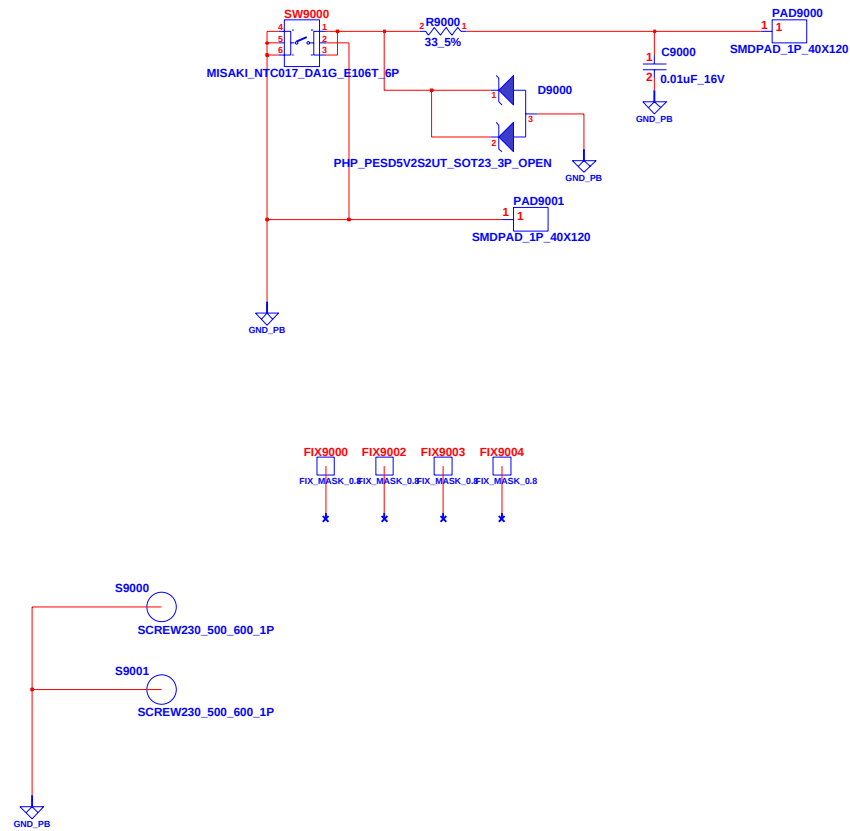


INVENTEC

TITLE Bremen10 EMI			
SIZE A3	CODE CS	DOC. NUMBER 6050A2338402	REV A01
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TOUCH PAD SWITCH BOARD

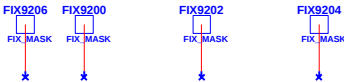
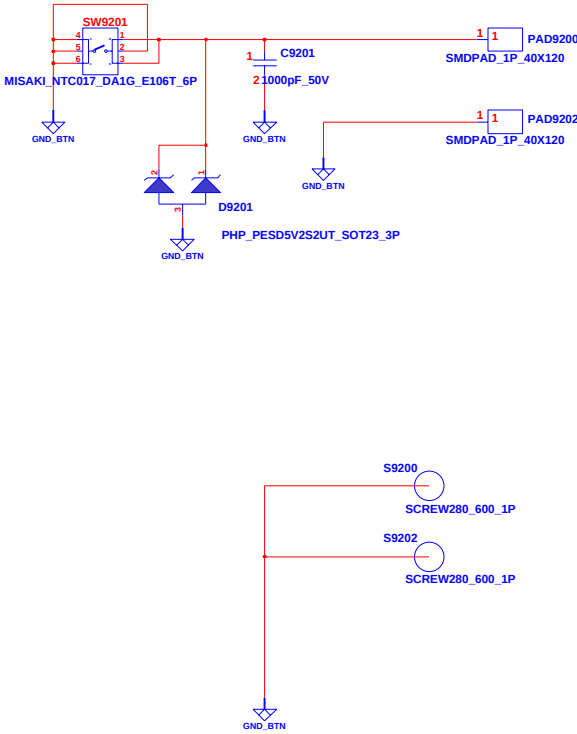


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TITLE			
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TP SWITCH BOARD			
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POWER BOARD



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