

Milwaukee 10M

PreMP BUILD

2007 0212

DATE	CHANGE NO.	REV

DRAWER	EE	DATE	POWER	DATE	INVENTEC			
DESIGN					TITLE MW10M			
CHECK								
RESPONSIBLE								
SIZE = 3					SIZE	CODE	DOC. NUMBER	REV
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P/N	XXXXXXXXXXXX				SHEET 1 OF 53			

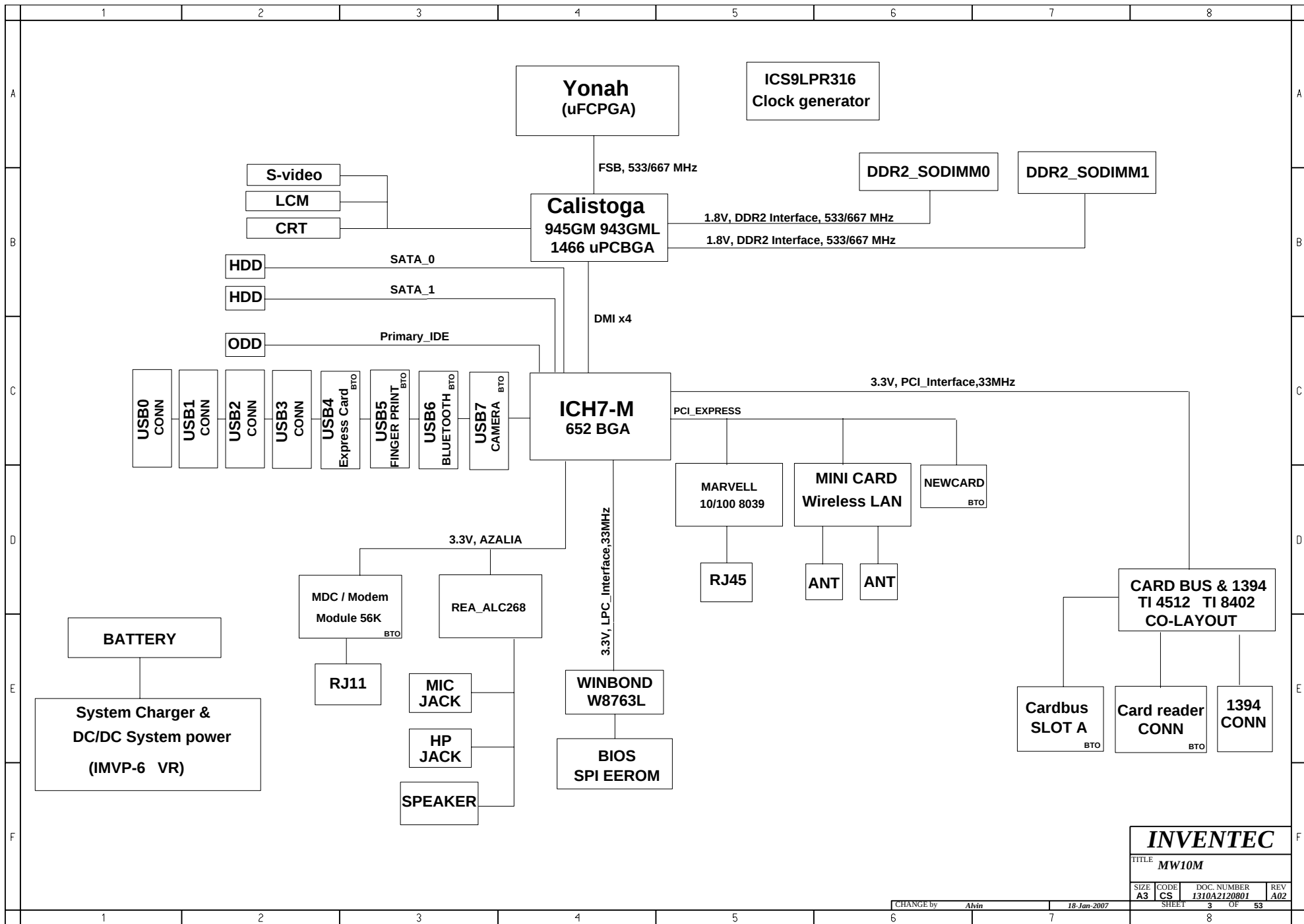
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34.PCMCIA CONN
35.5 IN 1 CARD SLOT
36.1394 CONTROLLER
37.EXPRESS CARD CONN
38.LAN CONTROLLER
39.RJ45 & TRANSFORMER
40.WLAN
41.SATA HDD1 CONN & SATA HDD2 CONN
42.CAMERA & CIR & MDC & Fingerprint & Bluetooth
43.ODD CONN
44.USB CONN
45.KBC
46.K/B & TP/B CONN
47.AZALIA CODEC
48.AUDIO AMP & MIC & HP
49.LED(M/B) & HOTKEY/B CONN
50.PICK BUTTON BOARD
51.KILL SWITCH& HALL SENSOR
52.DRILL HOLE
53.EMI

TITLE	<i>MW10M</i>
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CHANGE by	Ahsin	12-Jan-2002
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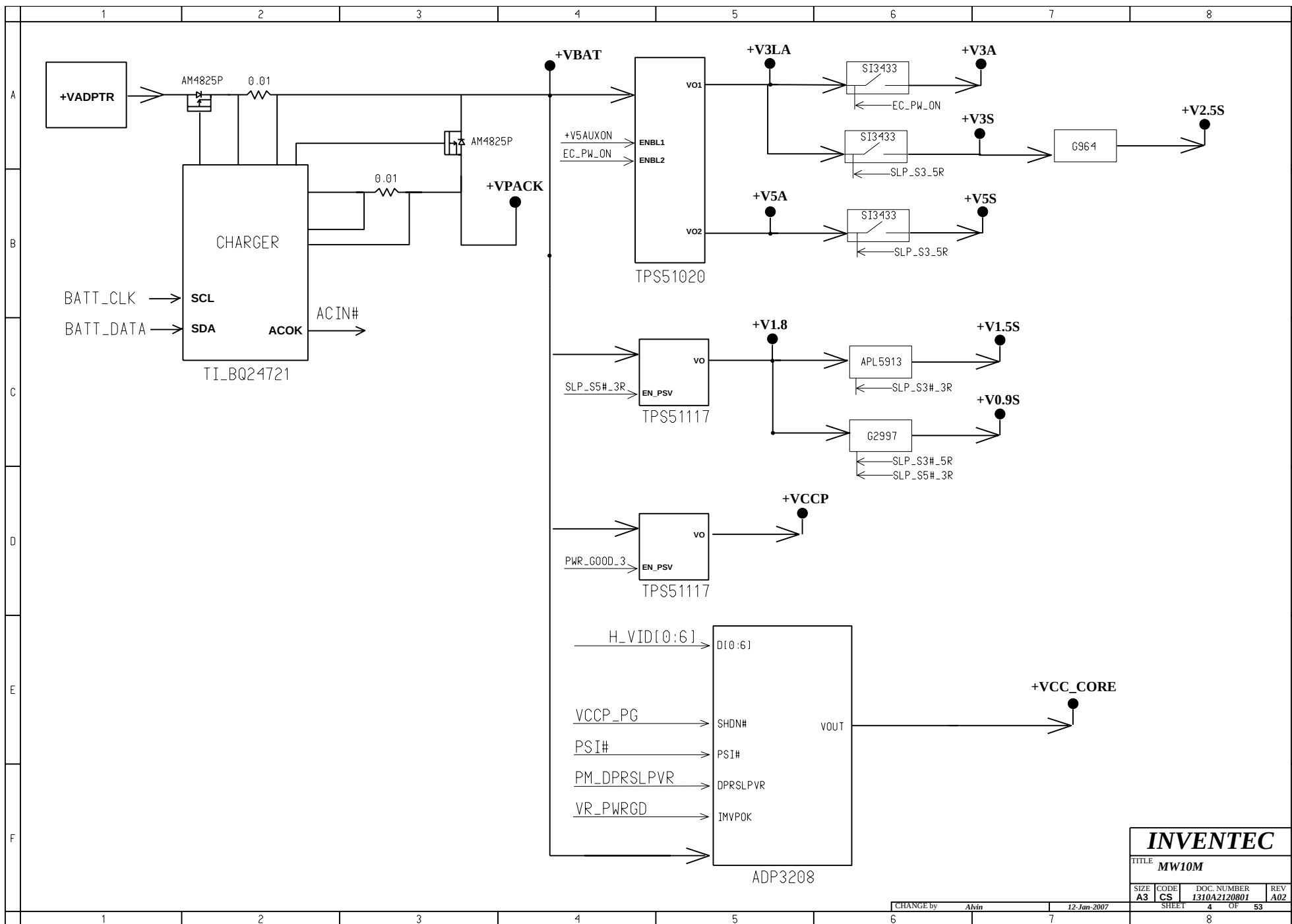
INVENTEC

TITLE **MW10M**

SIZE A3	CODE CS	DOC. NUMBER I310A2120801	REV A02
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CHANGE by Alvin 18-Jan-2007

SHEET 3 OF 53



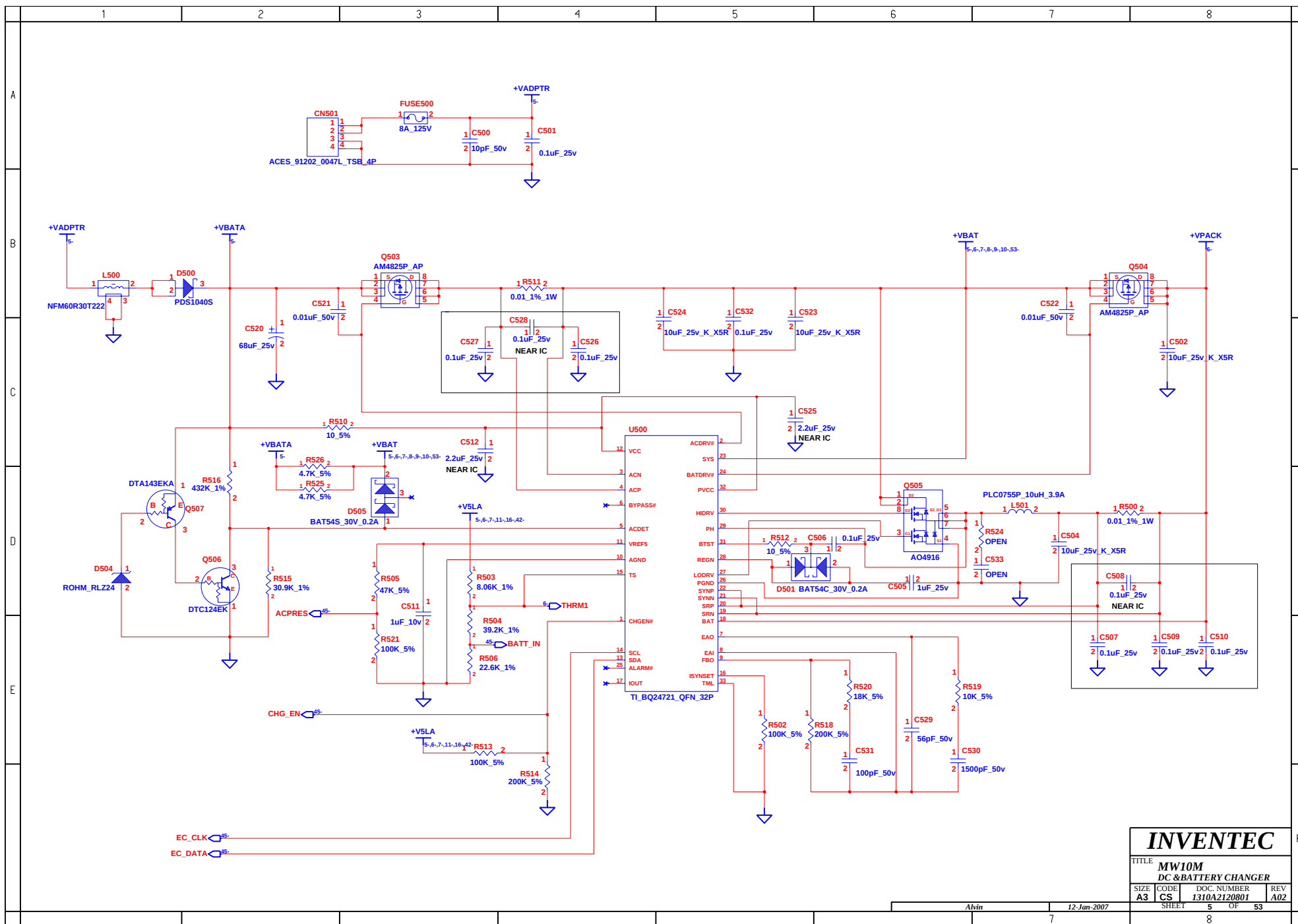
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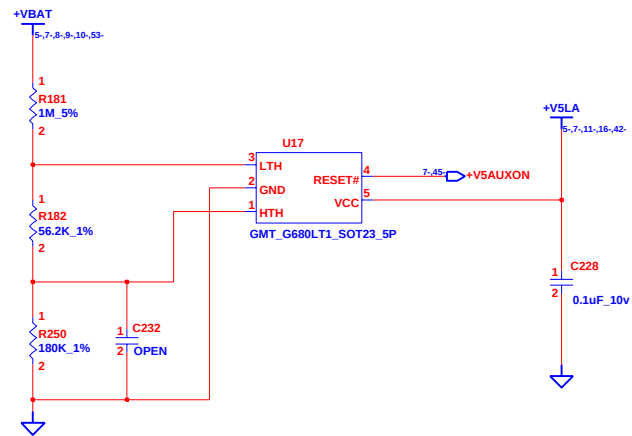
TITLE
MW10M

SIZE A3	CODE CS	DOC. NUMBER 1310A2120801	REV A02
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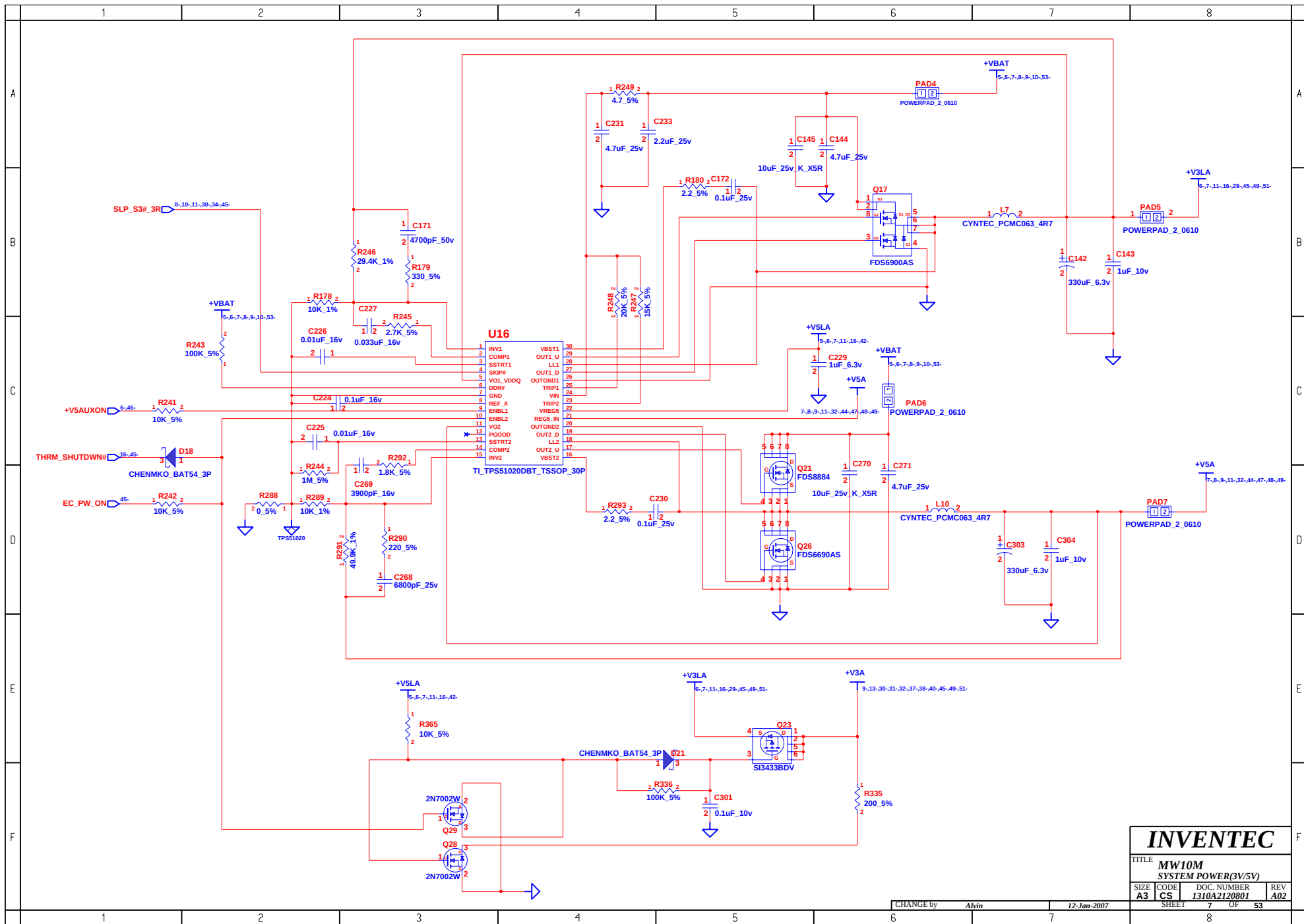
CHANGE by *Alvin* 12-Jan-2007

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TITLE			
MW10M BATTERY CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2120801	A02
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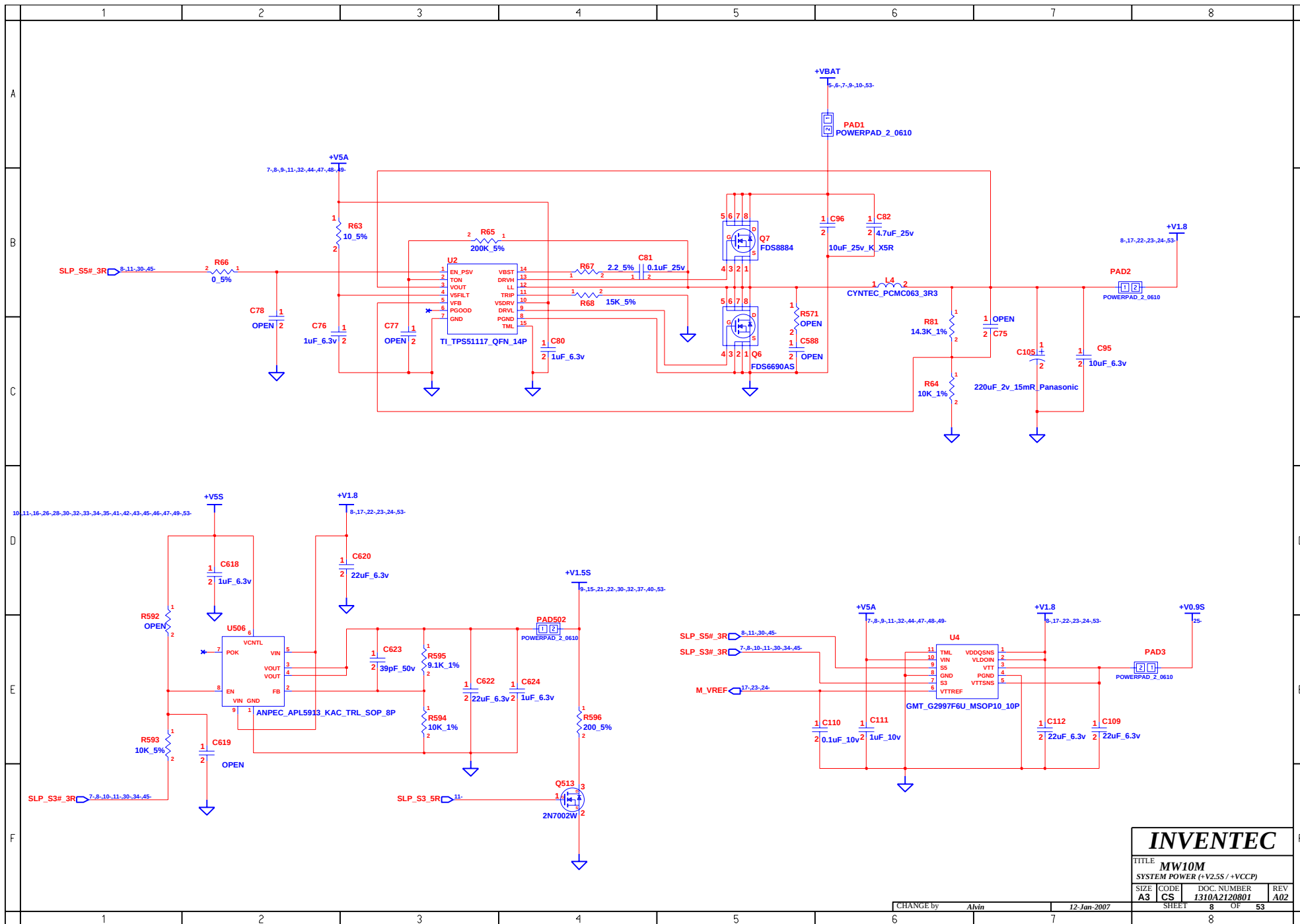
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TITLE
MW10M
SYSTEM POWER(3V/5V)

SIZE A3	CODE CS	DOC. NUMBER I310A2120801	REV A02
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CHANGE by Alvin 12-Jan-2007

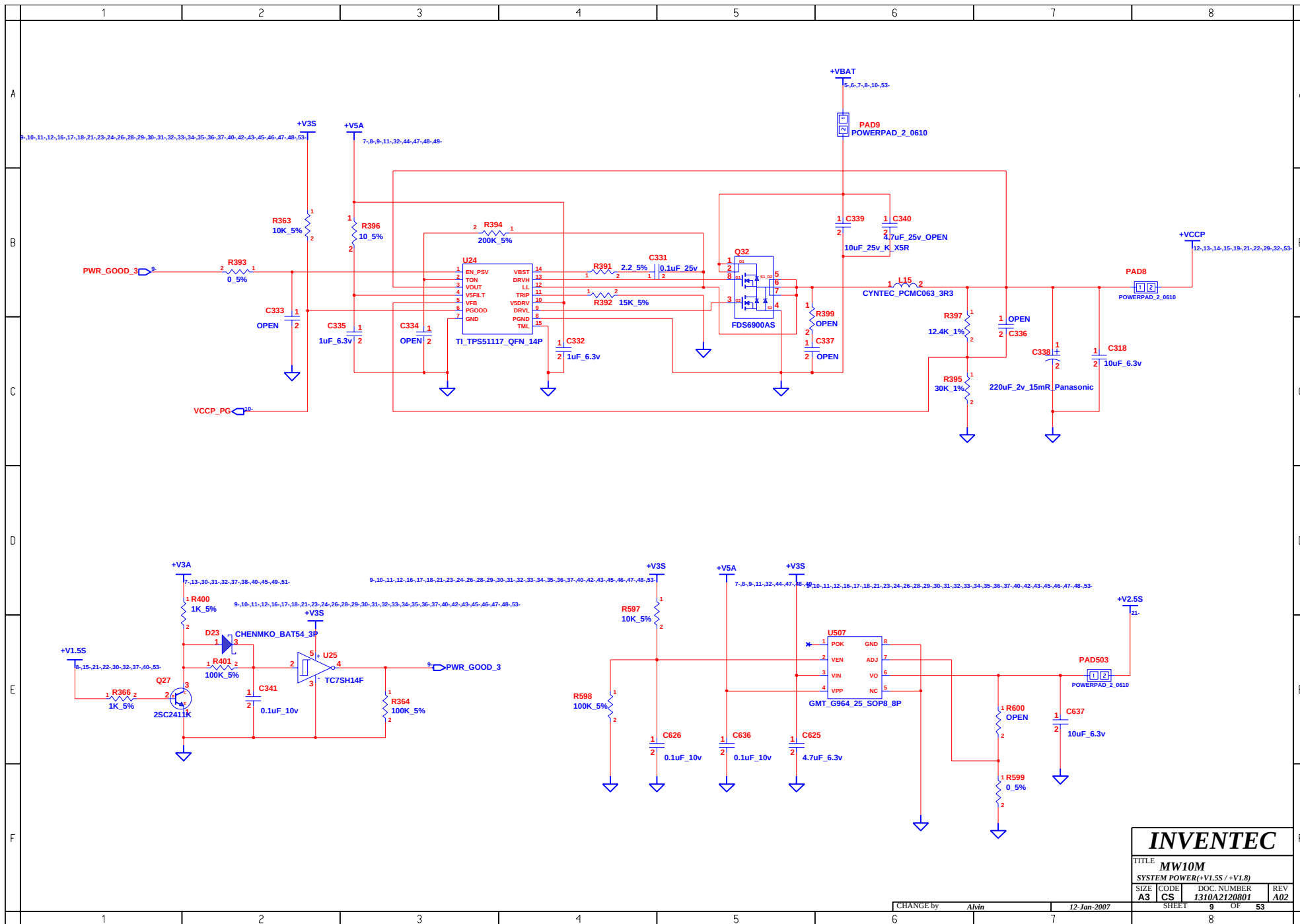
SHEET 7 OF 53

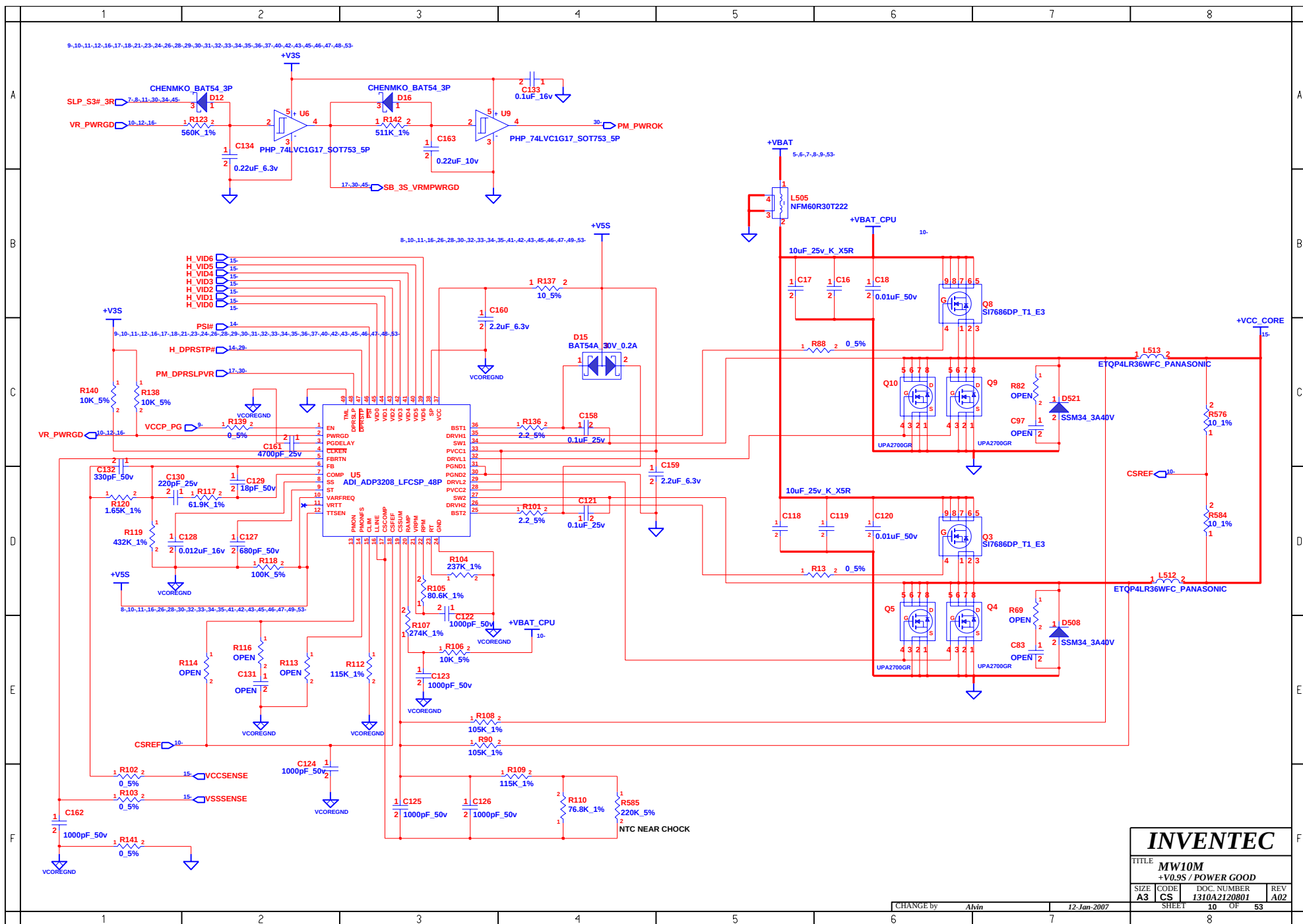


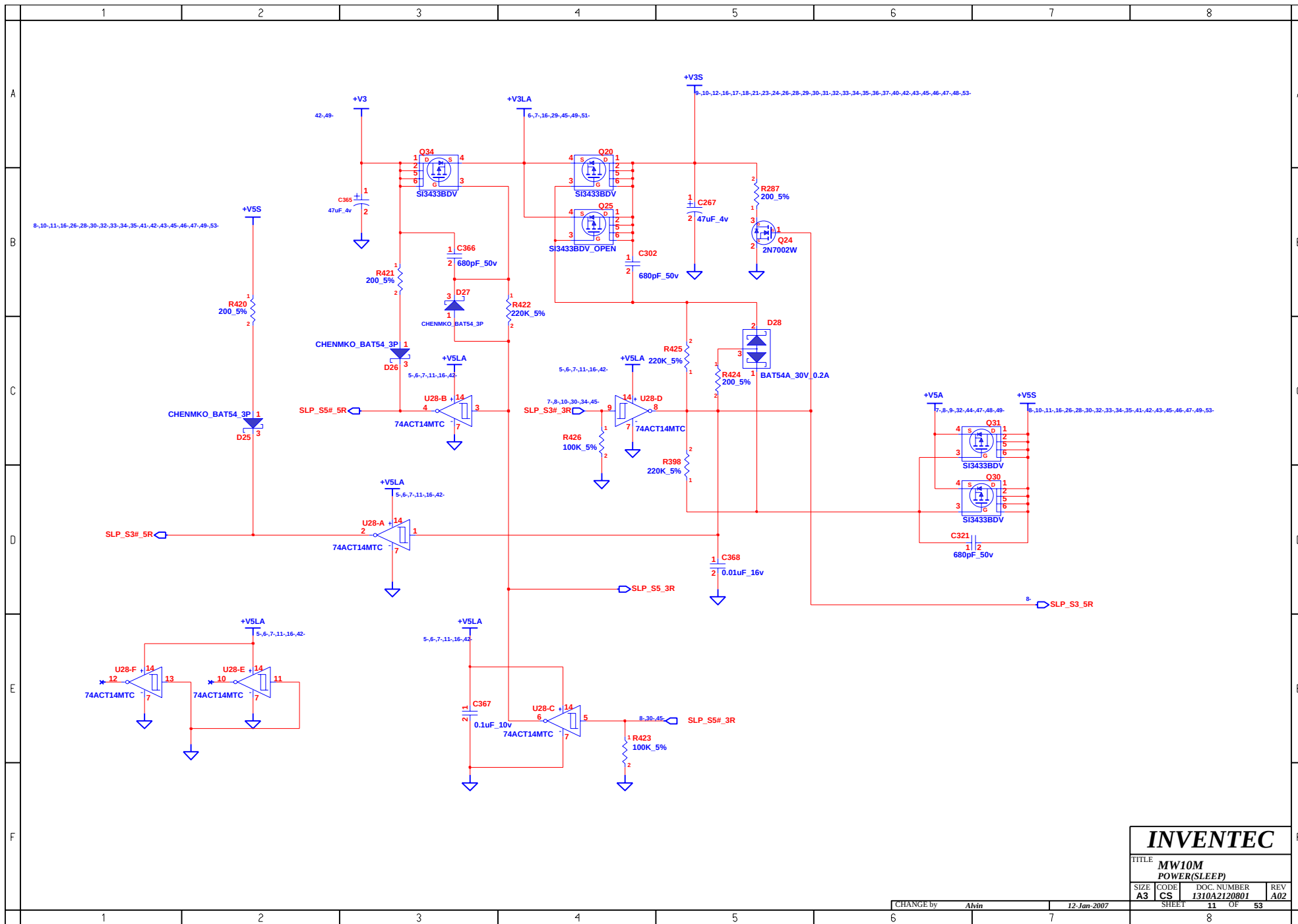
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MW10M			
SYSTEM POWER (+V2.55 / +VCCP)			
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A3	CS	I310A2120801	A02

CHANGE by Alvin 12-Jan-2007

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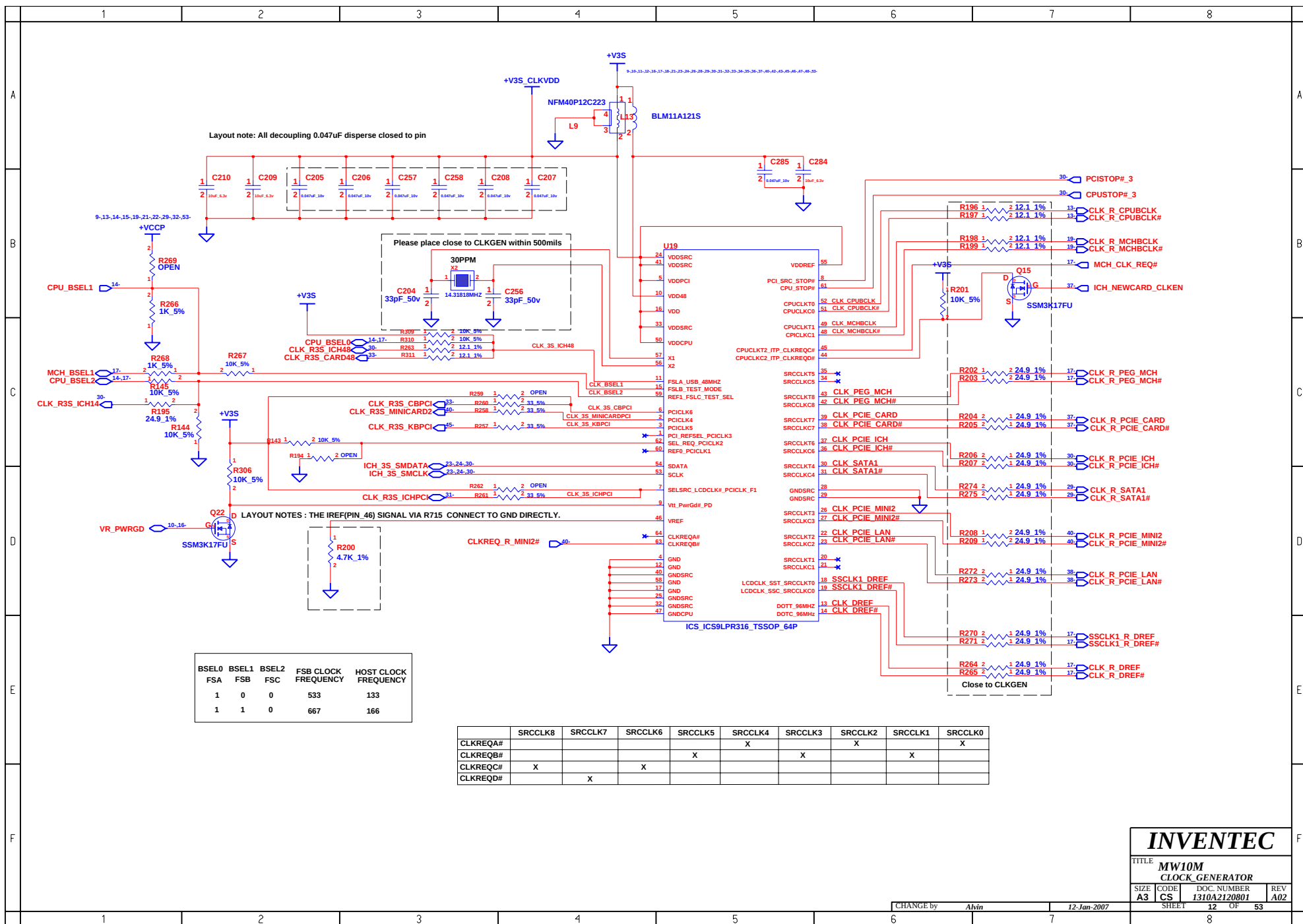


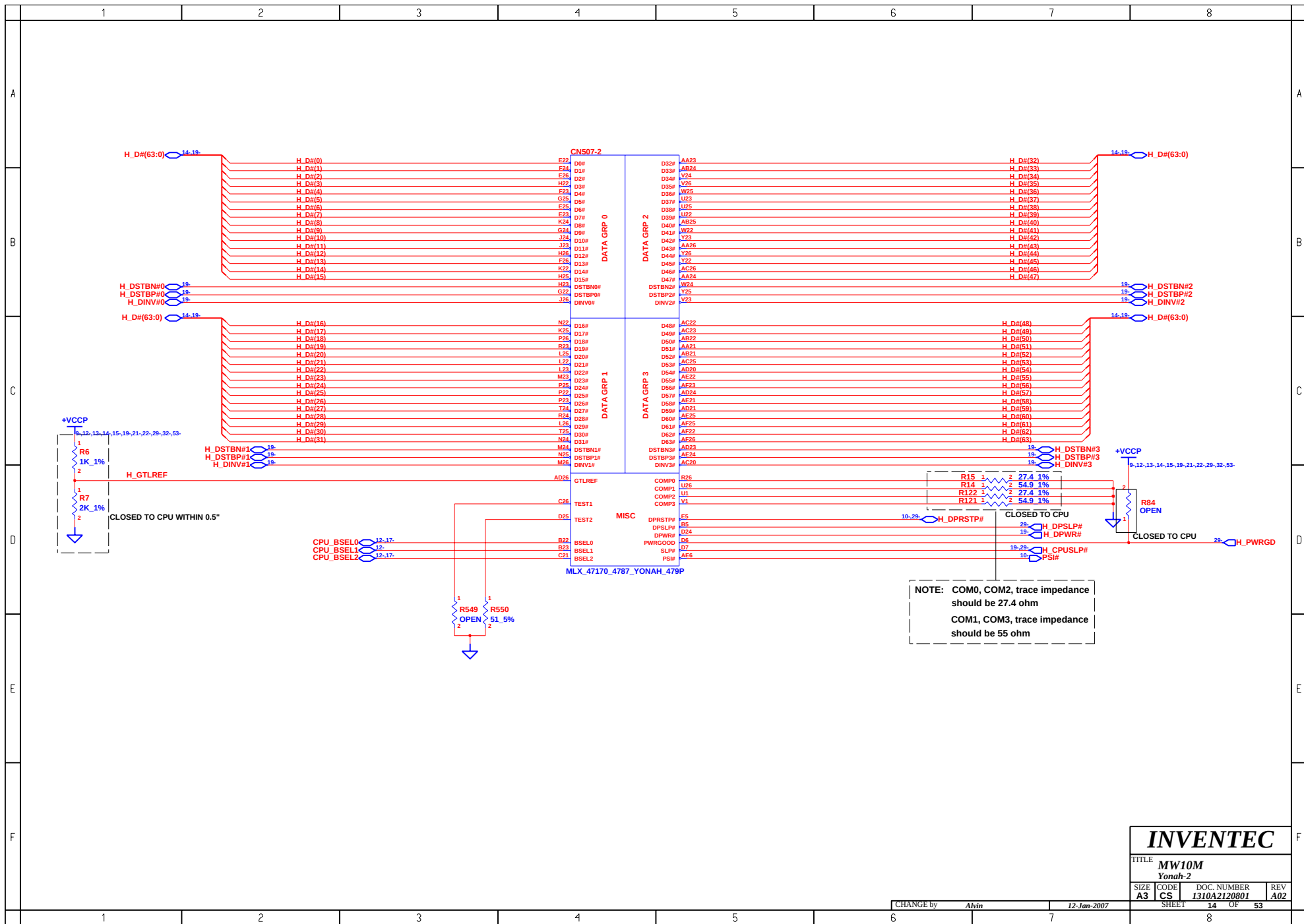
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TITLE			
MW10M POWER(SLEEP)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2120801	A02

CHANGE by Alvin 12-Jan-2007

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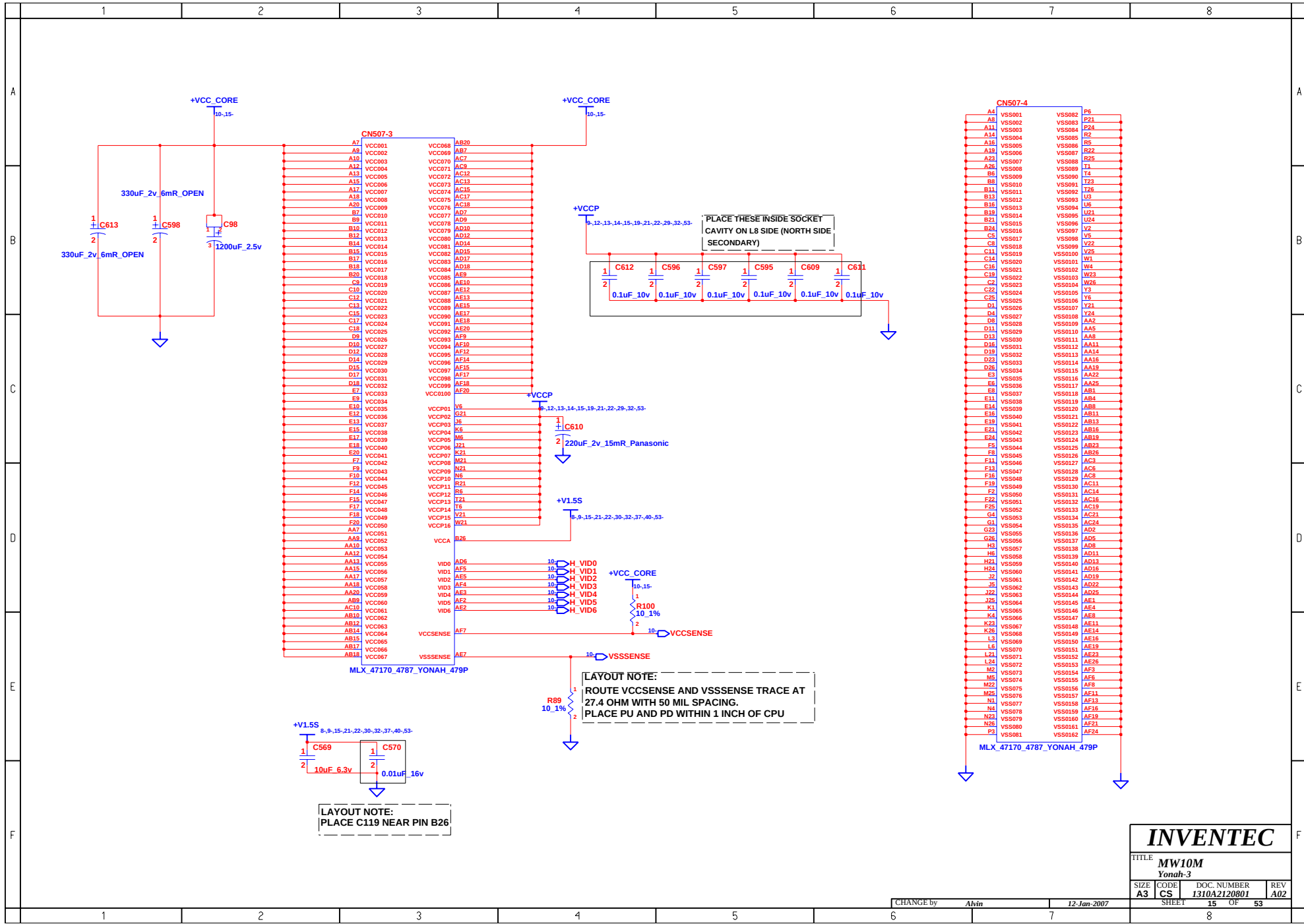


INVENTEC

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MW10M			
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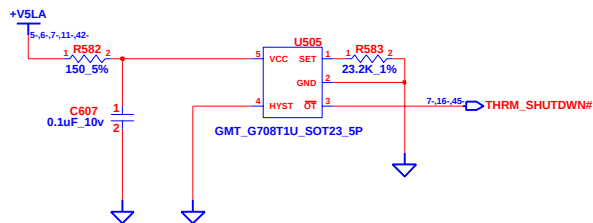
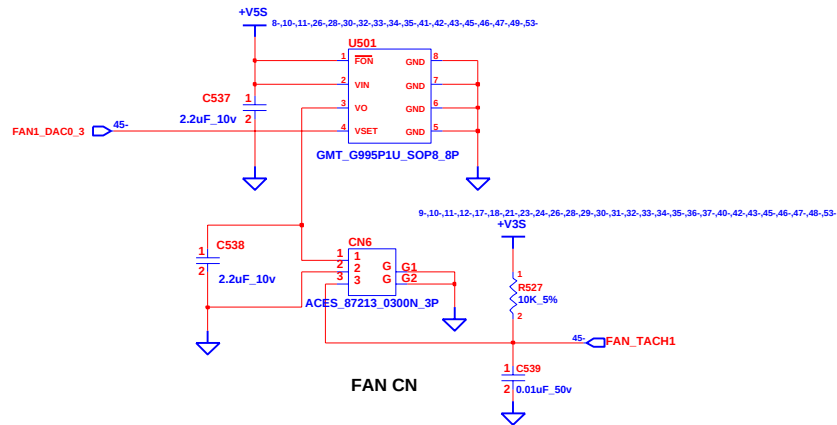
CHANGE by Alvin 12-Jan-2007

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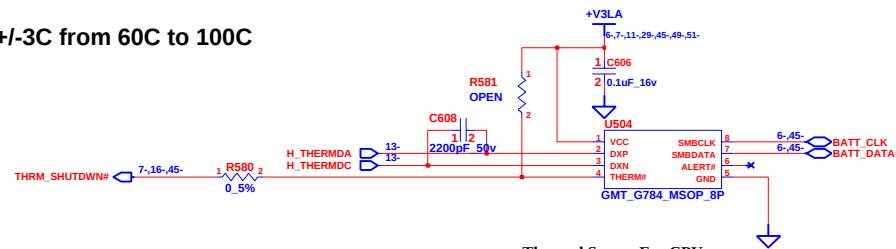
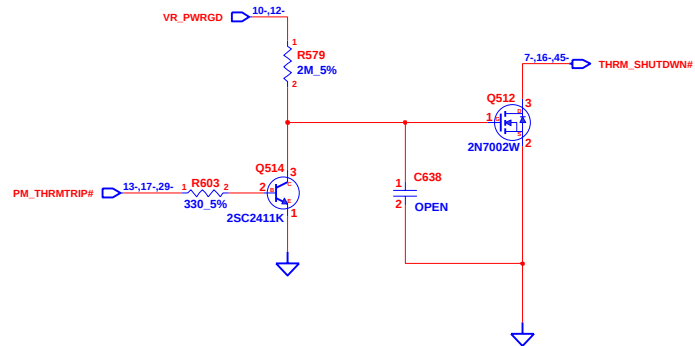
INVENTEC

TITLE			
MW10M			
Yonah-3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2120801	A02



Thermal shutdown at 88C +/-3C from 60C to 100C

Hysteresis is 30C



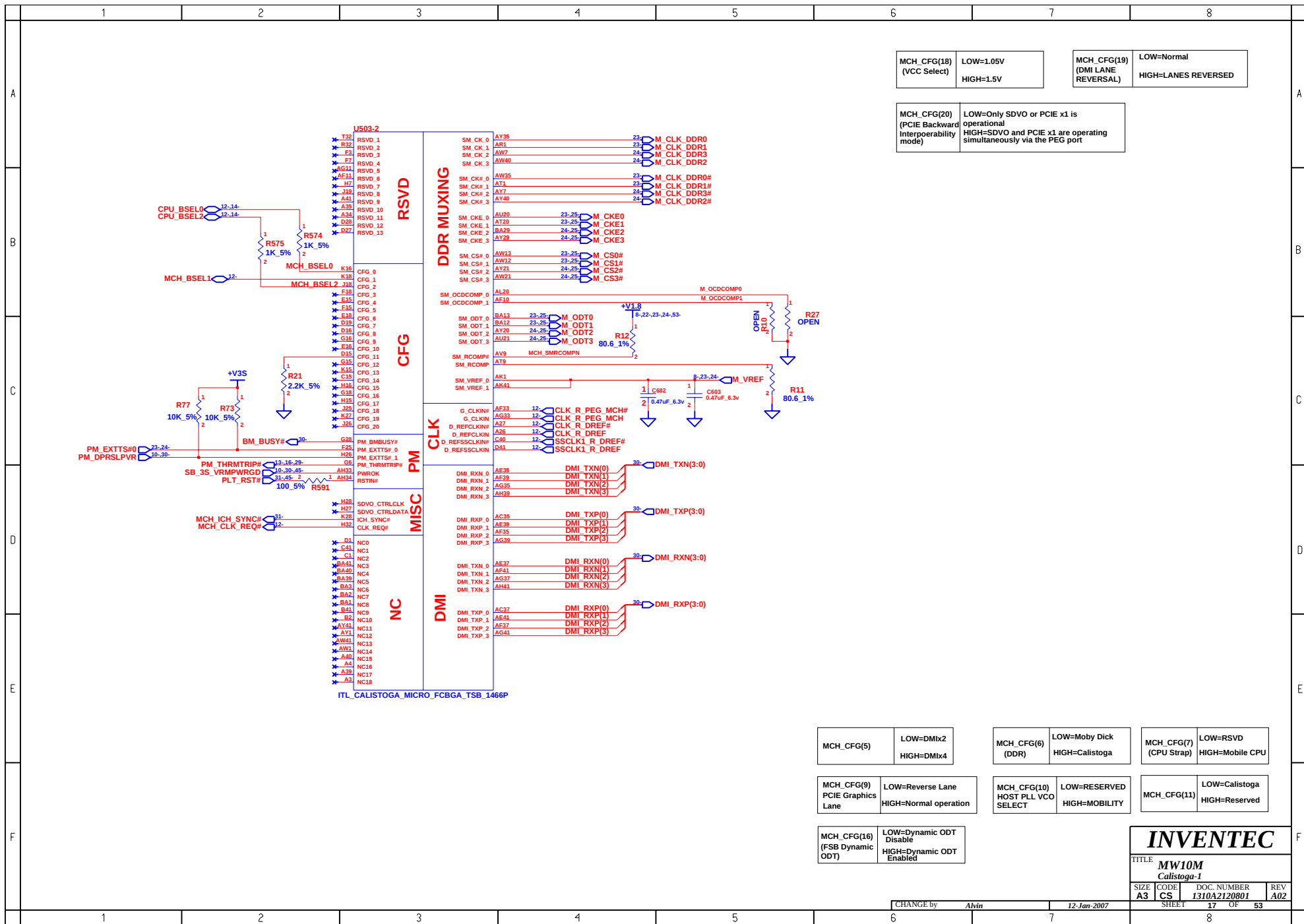
Thermal Sensor For CPU

INVENTEC

TITLE			
MW10M			
THERMAL&FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2120801	A02

CHANGE by Alvin 12-Jan-2007

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MCH_CFG(18) (VCC Select)	LOW=1.05V HIGH=1.5V	MCH_CFG(19) (DMI LANE REVERSAL)	LOW=Normal HIGH=LANES REVERSED
MCH_CFG(20) (PCIe Backward Interoperability mode)	LOW=Only SDVO or PCIe x1 is operational HIGH=SDVO and PCIe x1 are operating simultaneously via the PEG port		

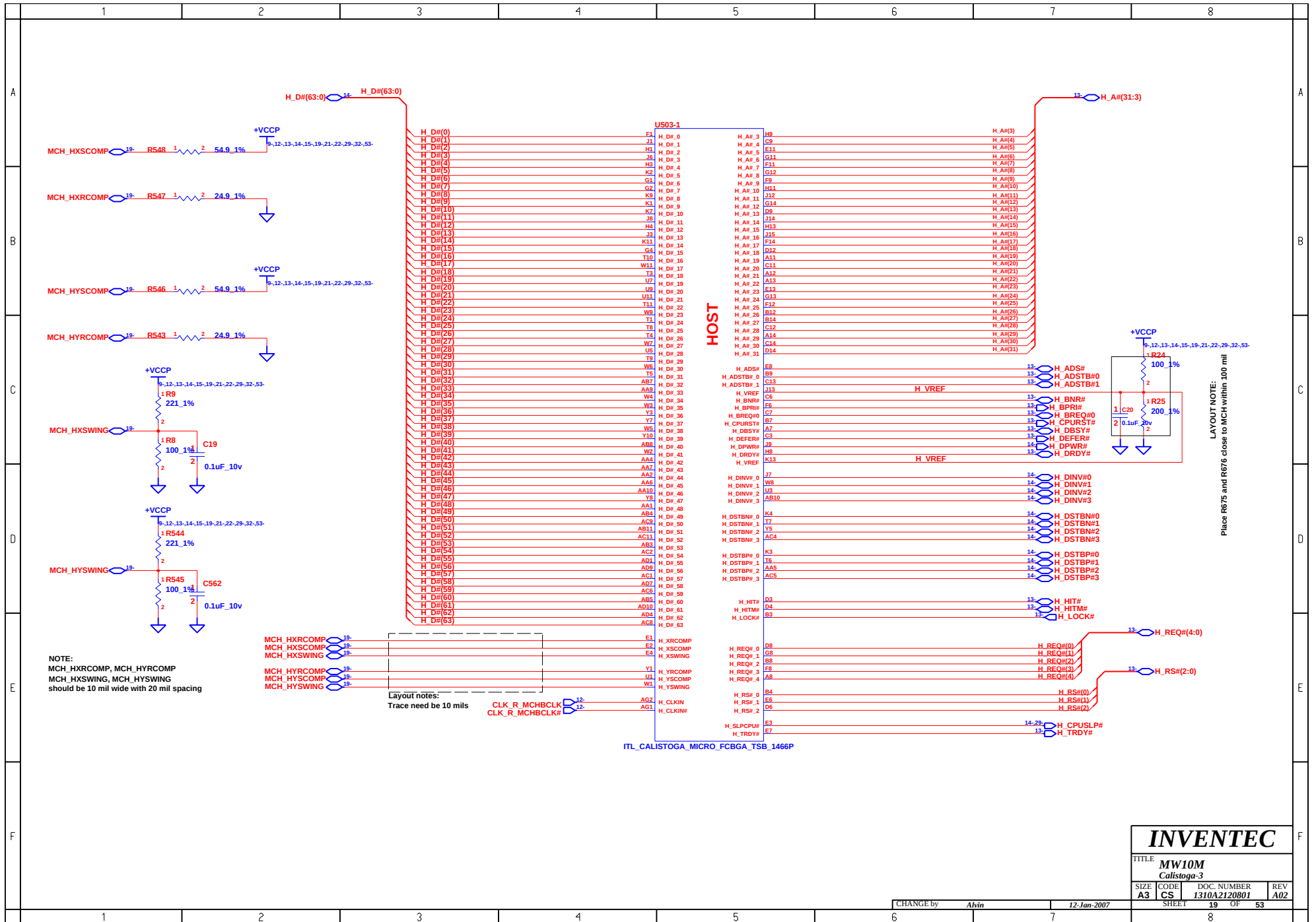
MCH_CFG(5)	LOW=DMiX2 HIGH=DMiX4	MCH_CFG(6) (DDR)	LOW=Moby Dick HIGH=Calistoga	MCH_CFG(7) (CPU Strap)	LOW=RSVD HIGH=Mobile CPU
MCH_CFG(9) PCIe Graphics Lane	LOW=Reverse Lane HIGH=Normal operation	MCH_CFG(10) HOST PLL VCO SELECT	LOW=RESERVED HIGH=MOBILITY	MCH_CFG(11)	LOW=Calistoga HIGH=Reserved
MCH_CFG(16) (FSB Dynamic ODT)	LOW=Dynamic ODT Disable HIGH=Dynamic ODT Enabled				

INVENTEC

TITLE MW10M Calistoga-1			
SIZE A3	CODE CS	DOC. NUMBER 1310A2120801	REV A02

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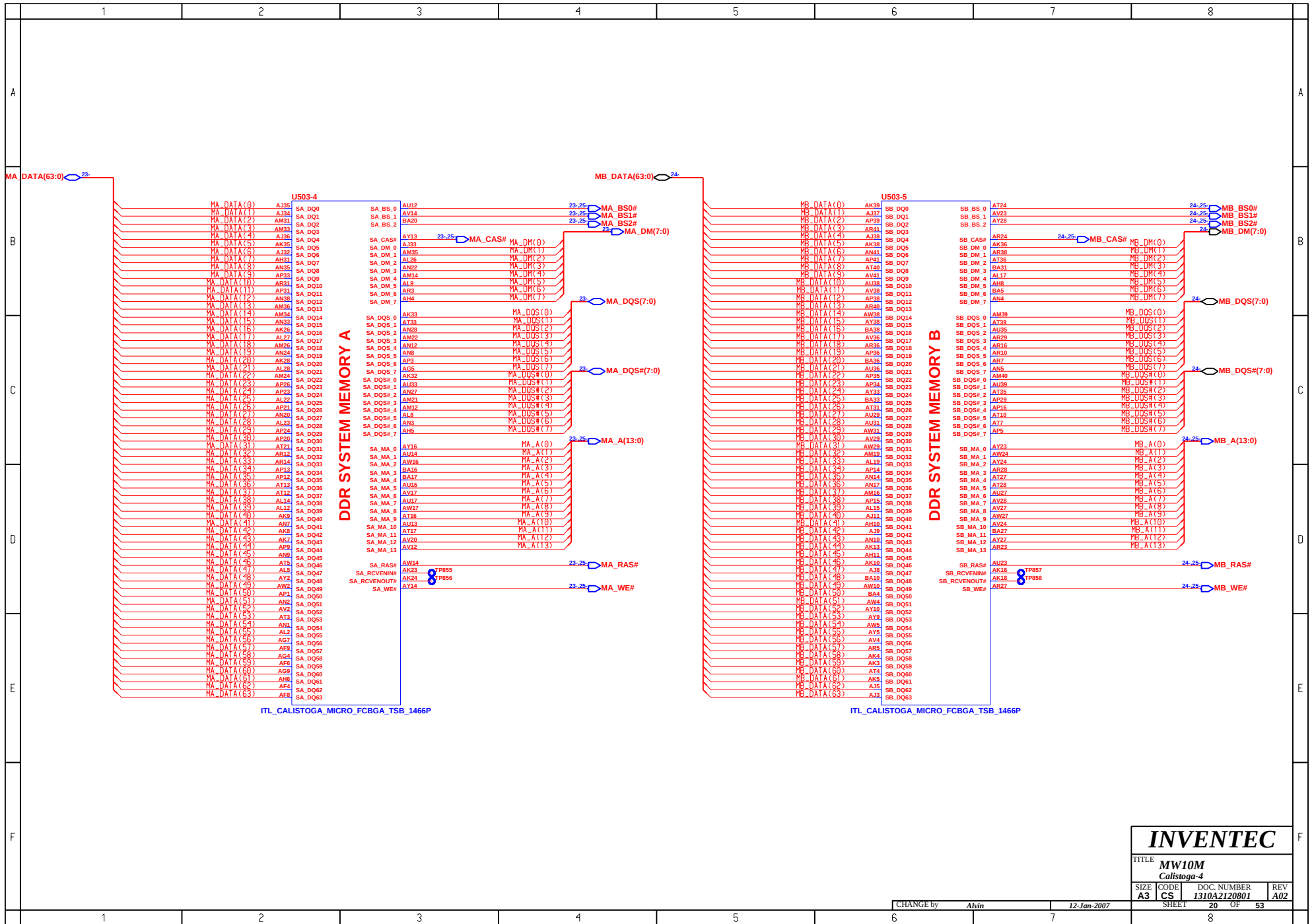
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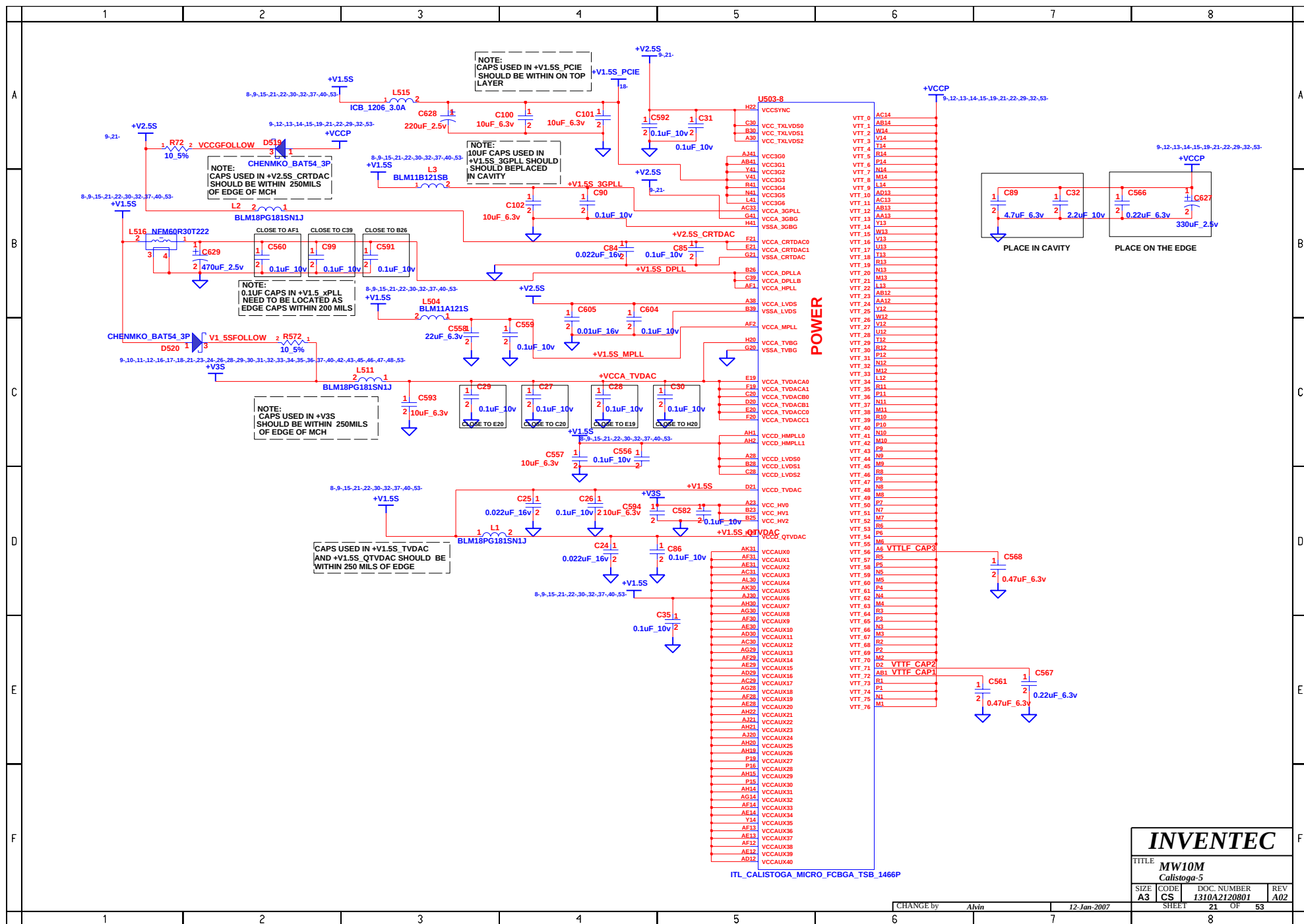
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MW10M
Calistoga-3

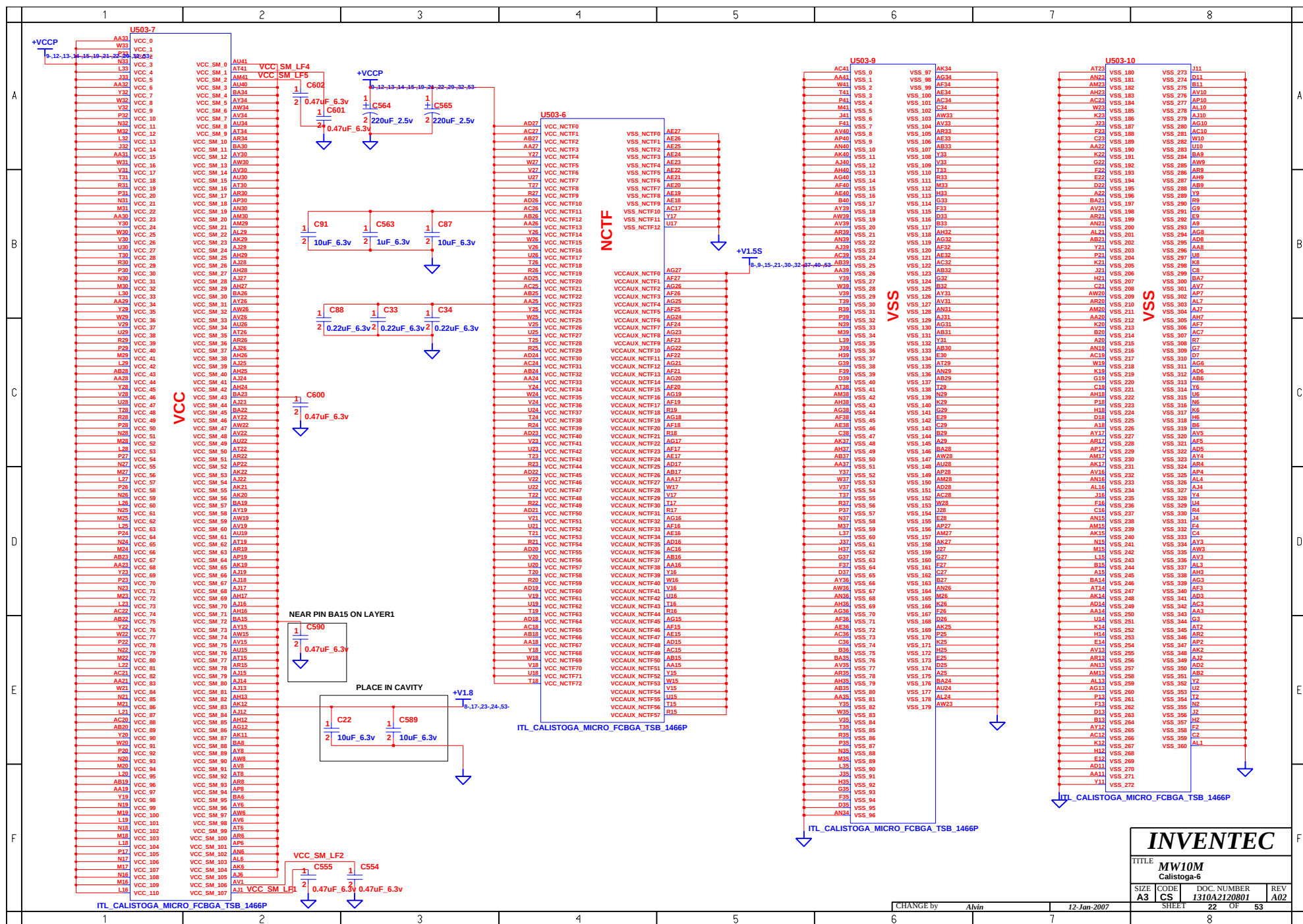
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A3	CS	1310A2120801	A02

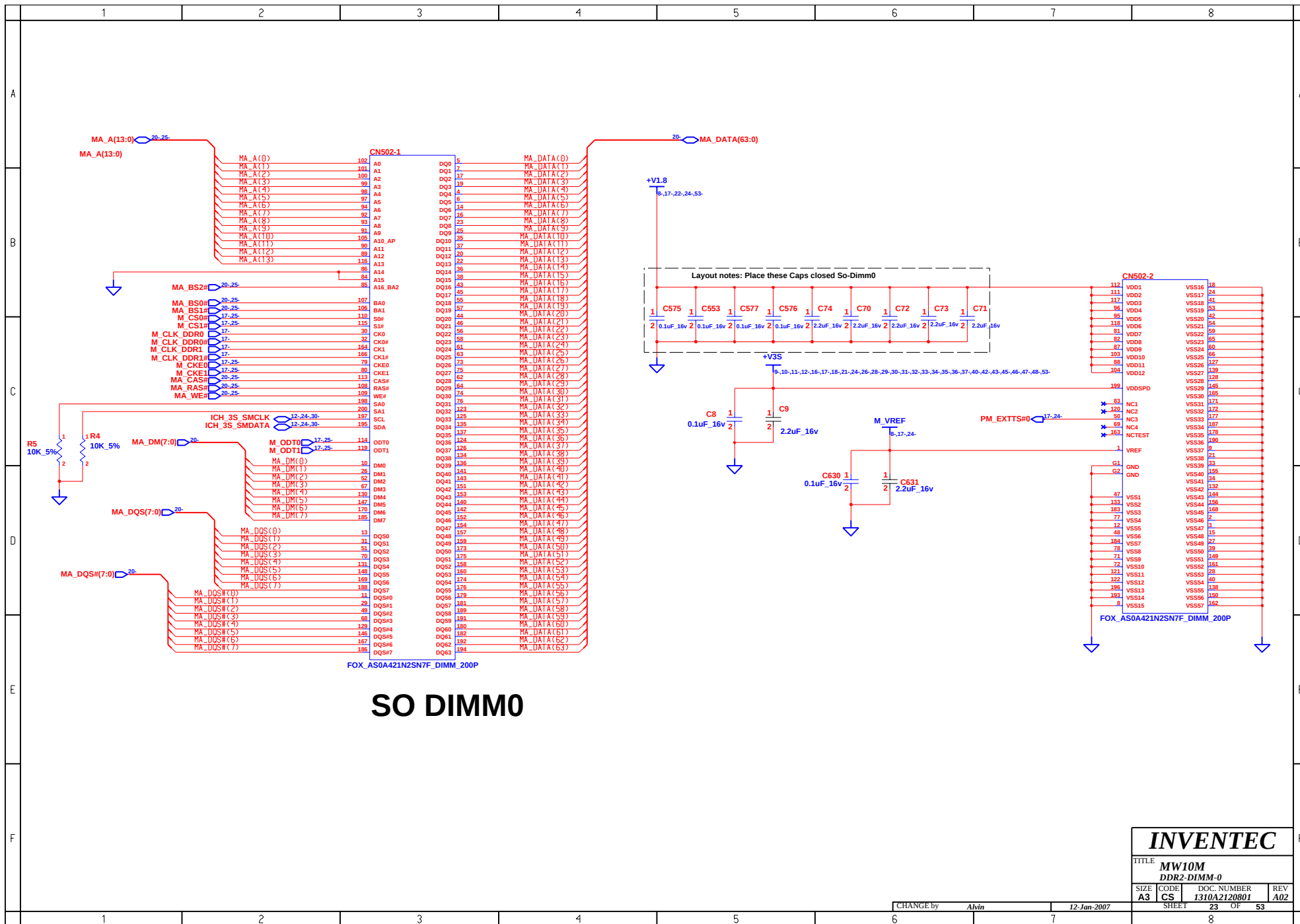
CHANGE by **Alvin** 12-Jan-2007

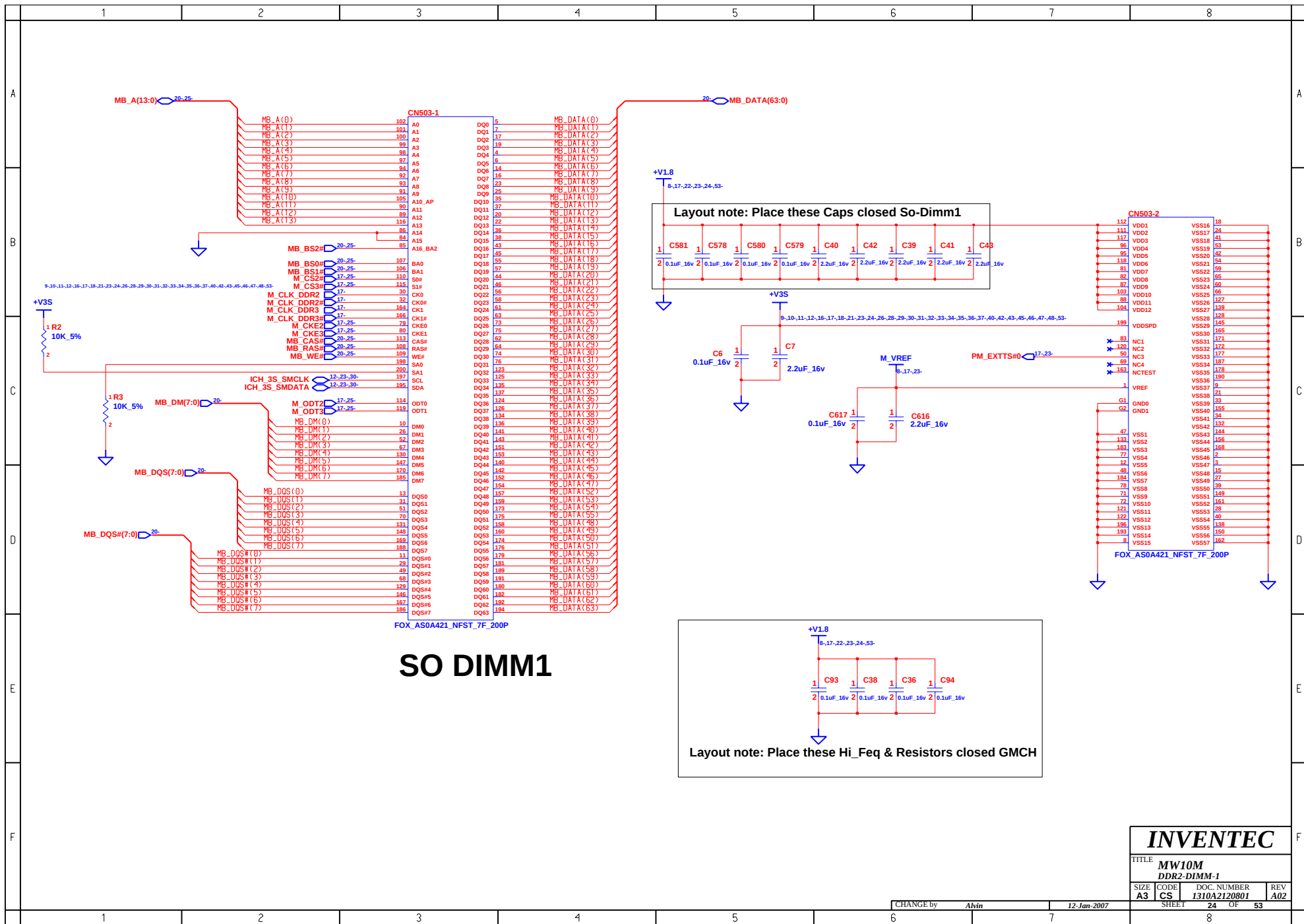
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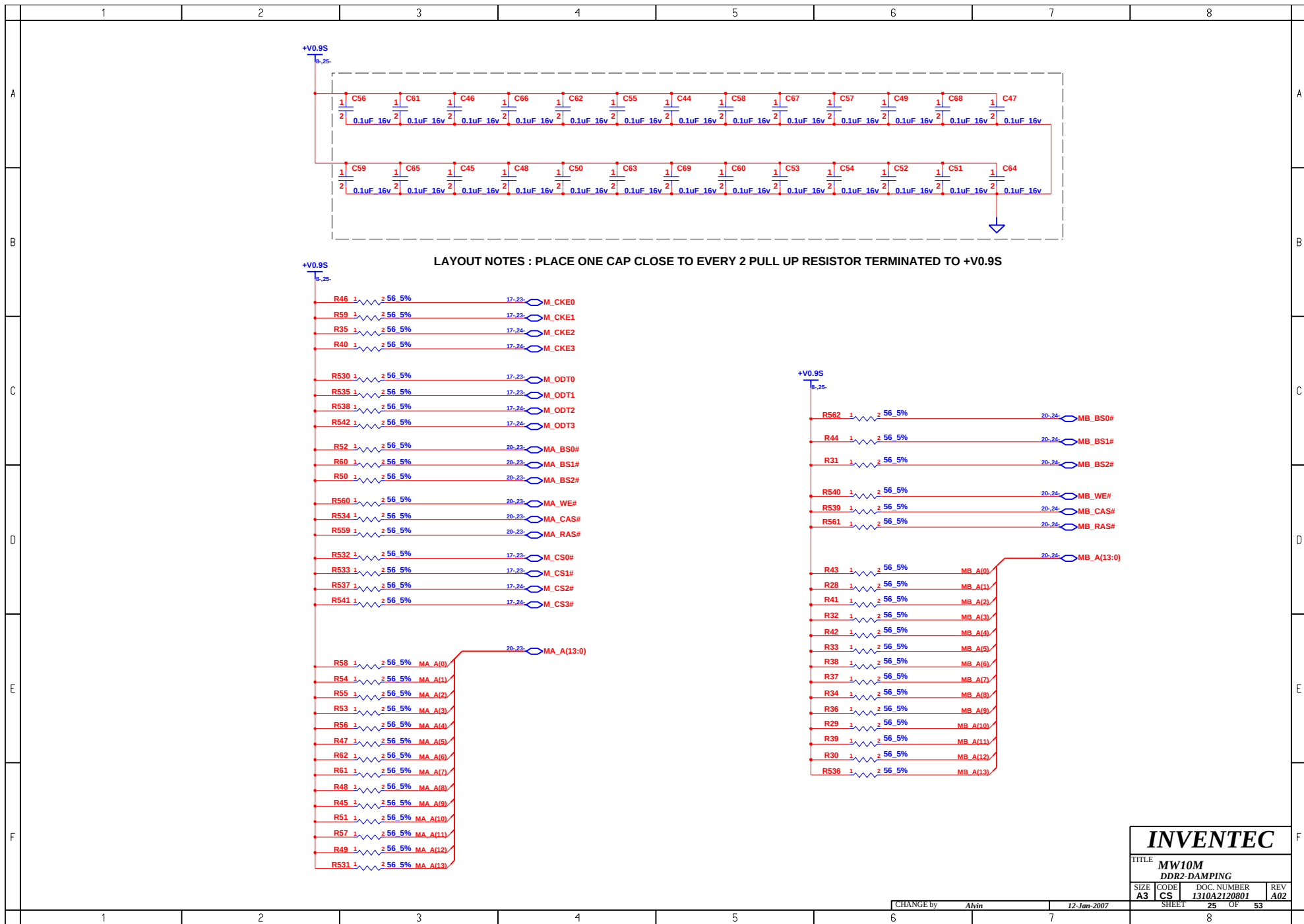


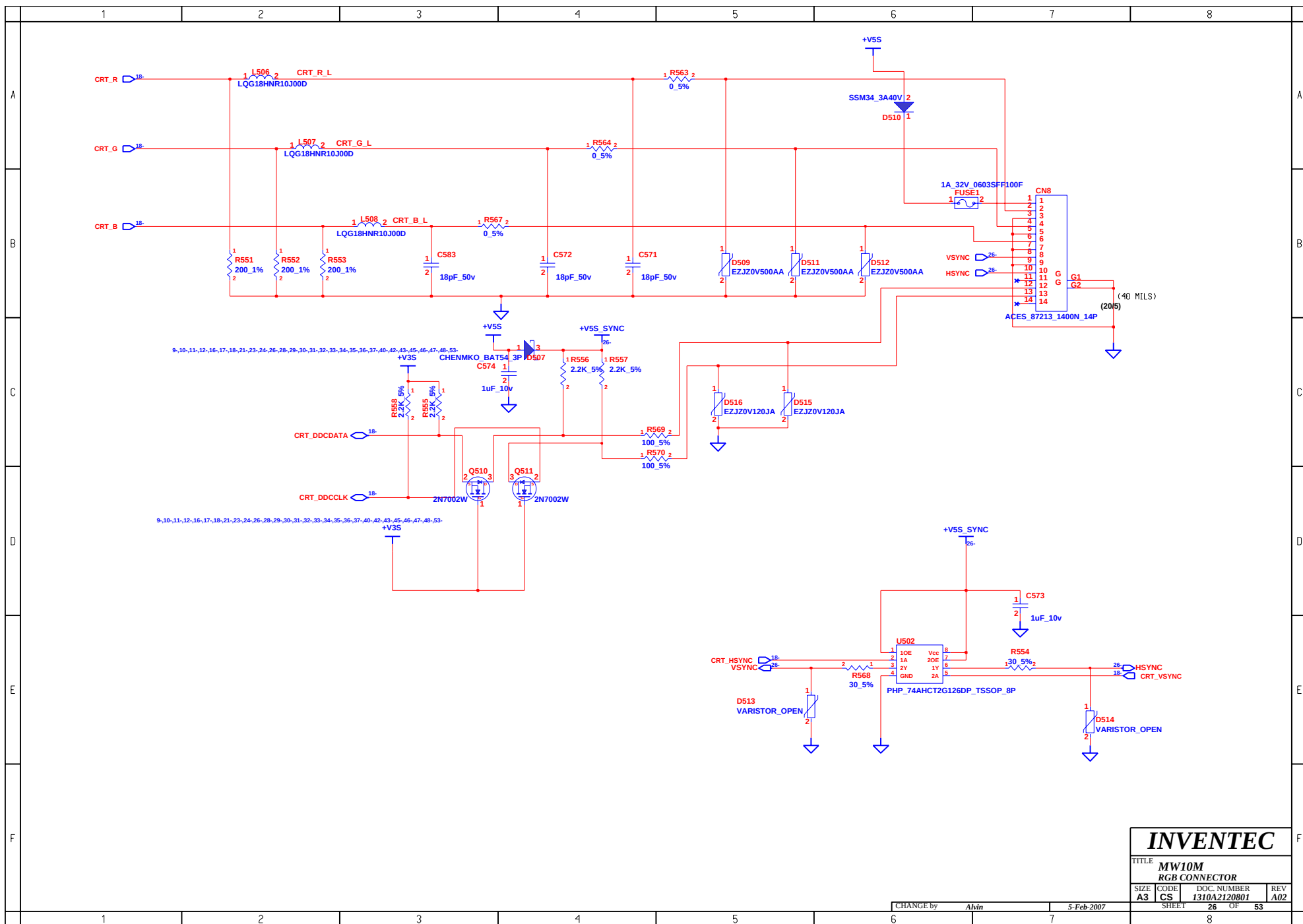
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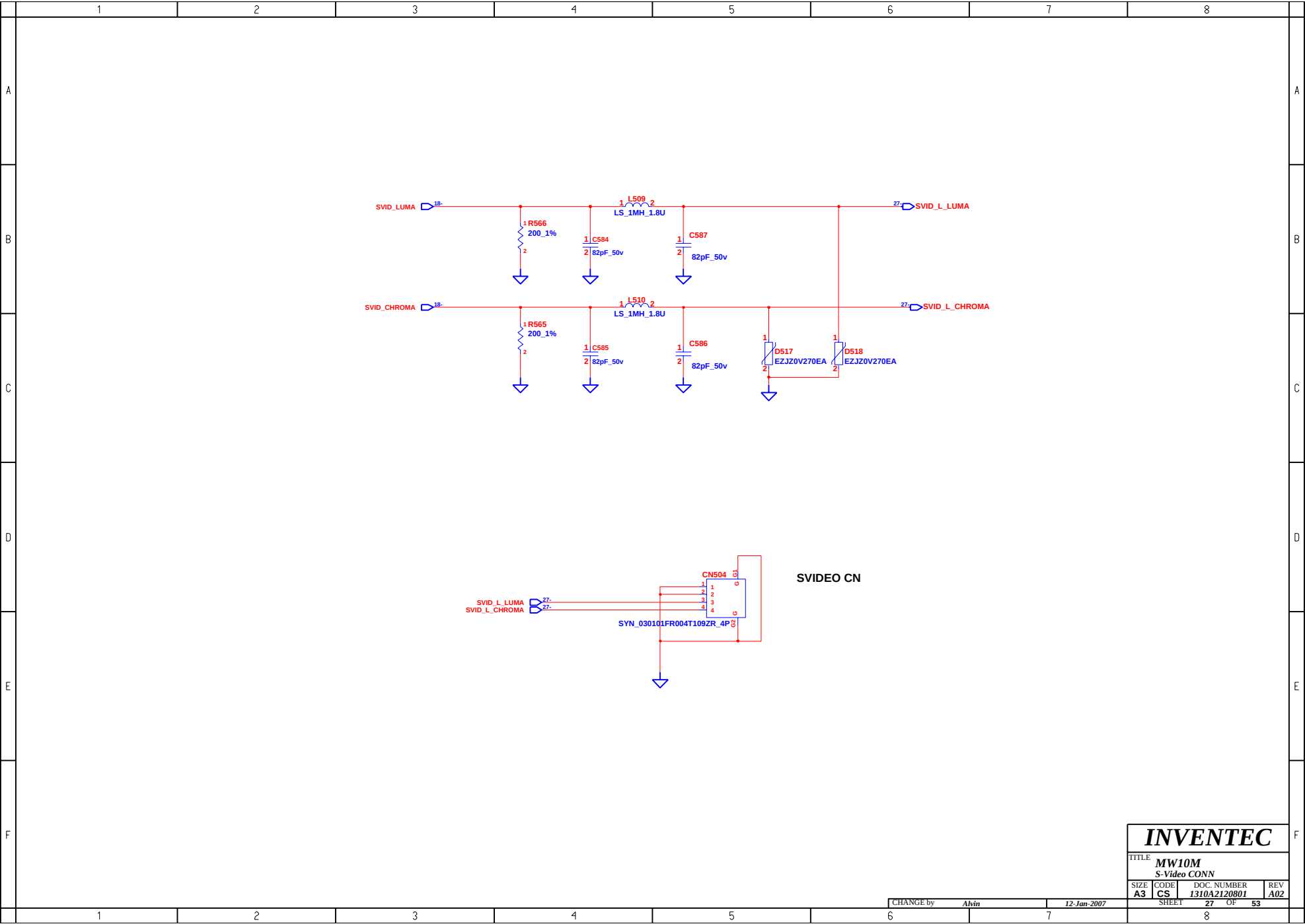
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A3	CS	I310A2120801	A02

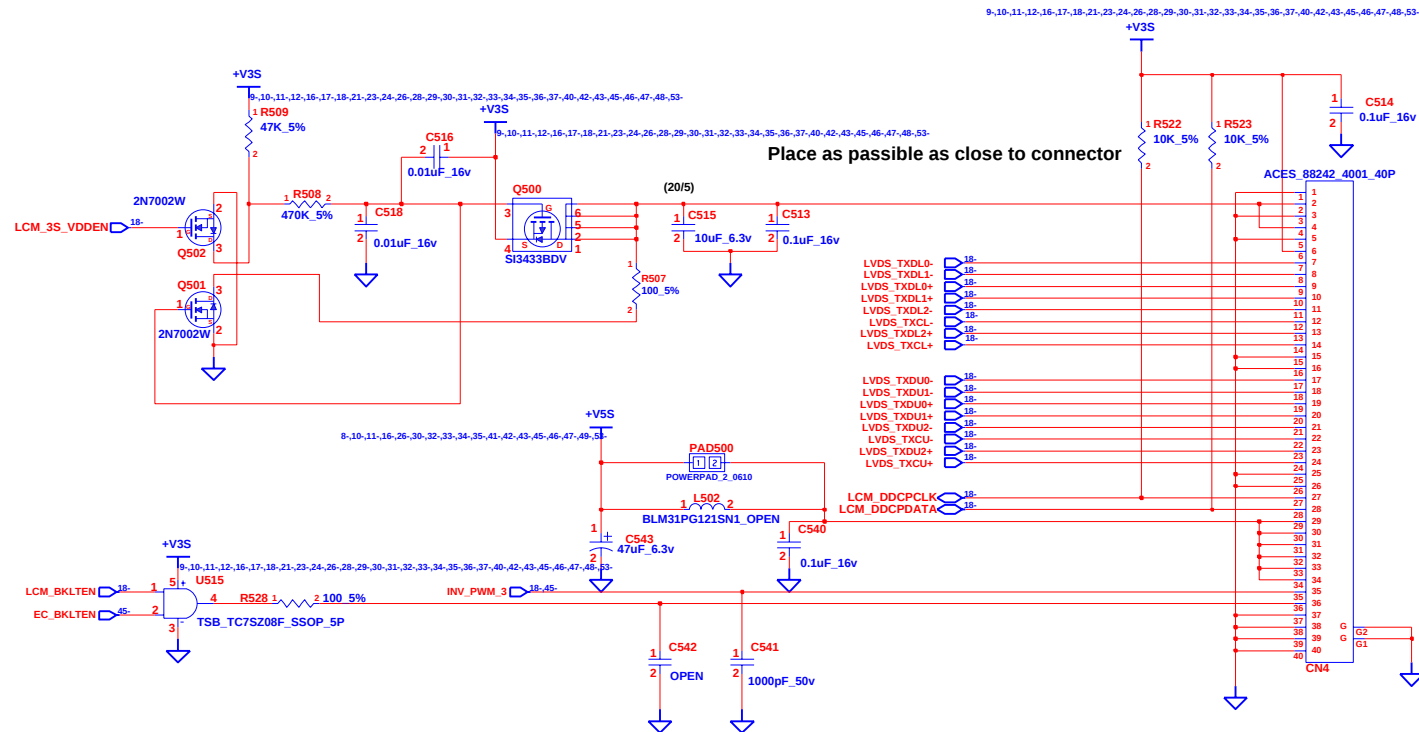
CHANGE by Alvin 12-Jan-2007

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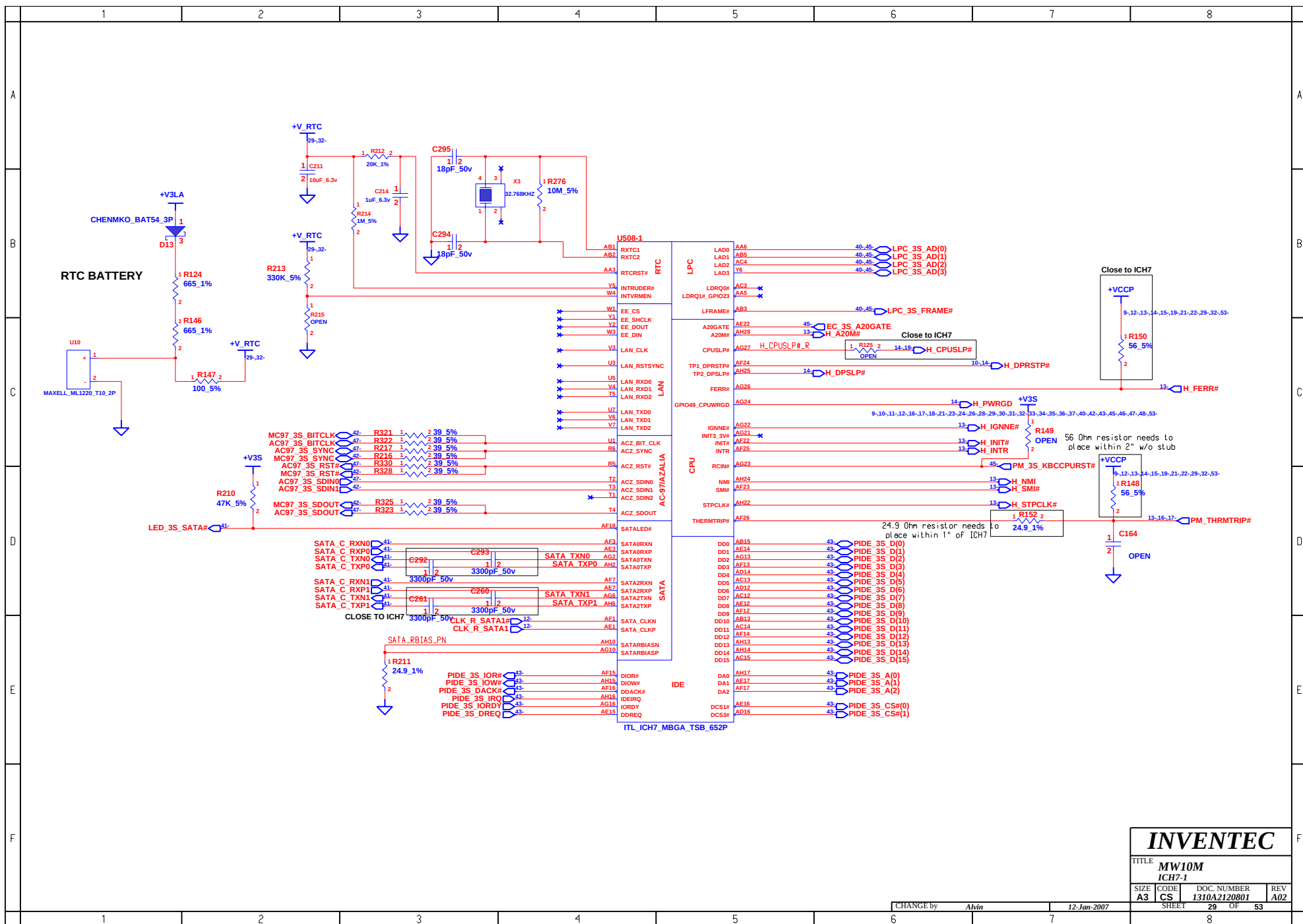
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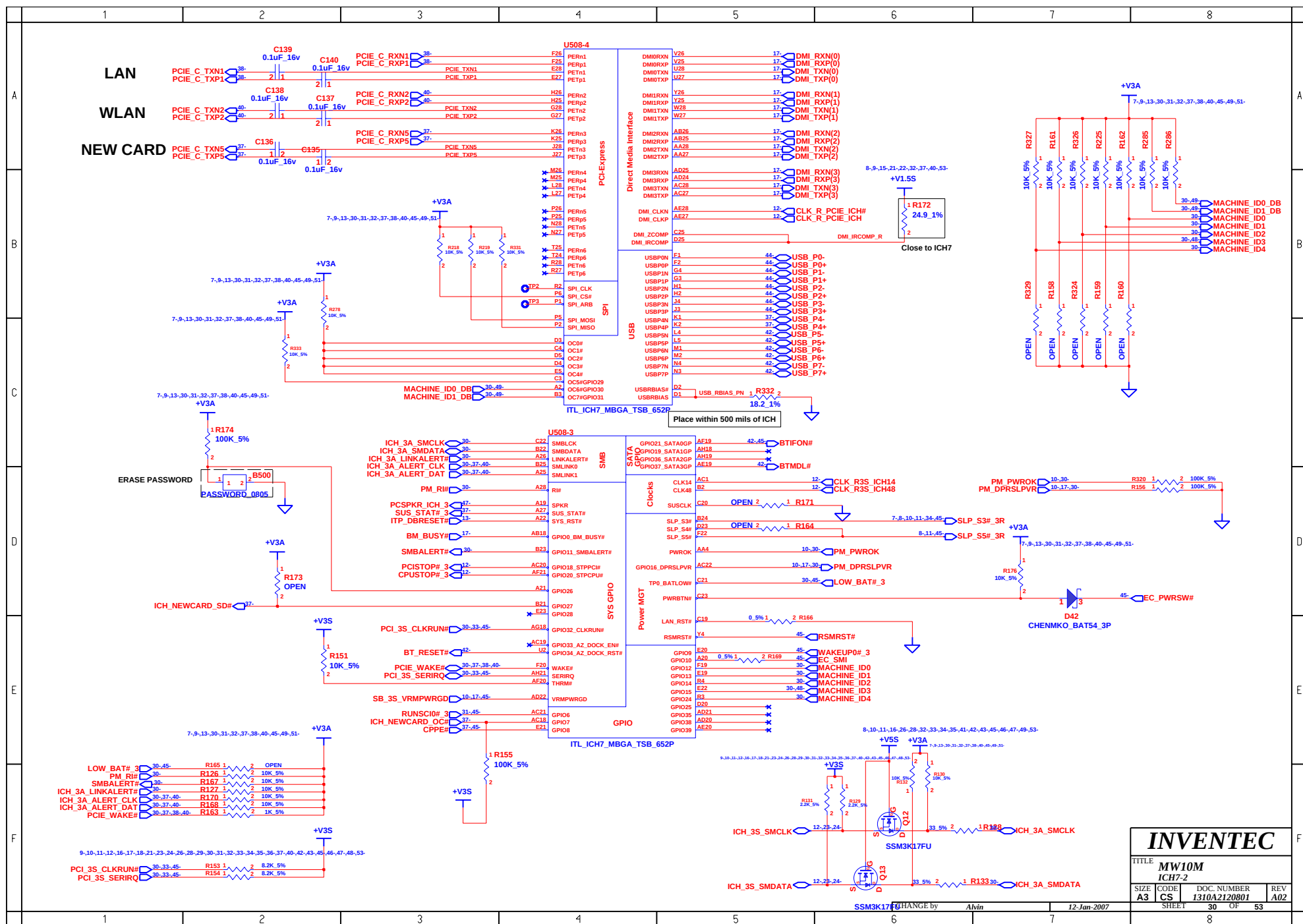
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MW10M
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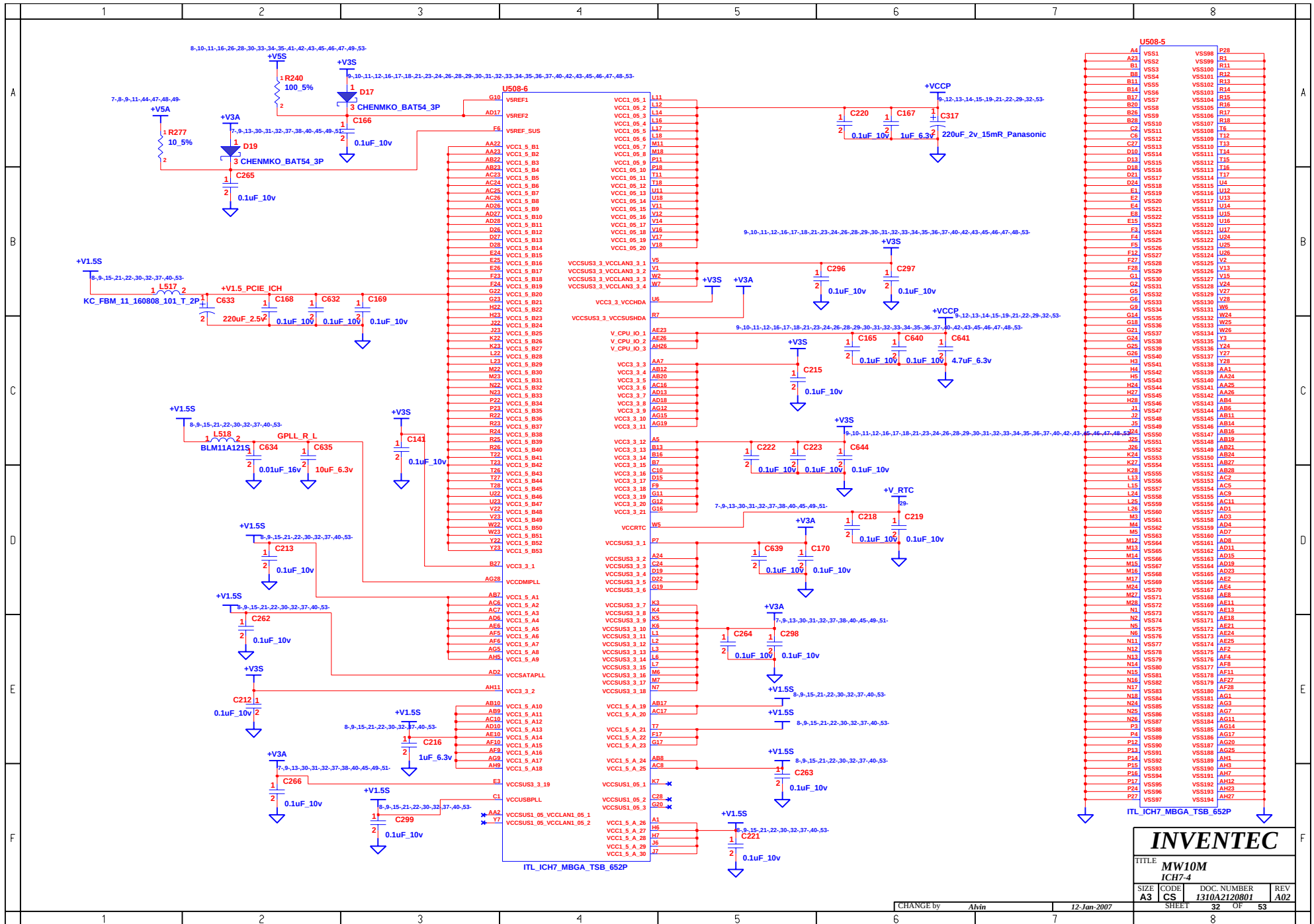
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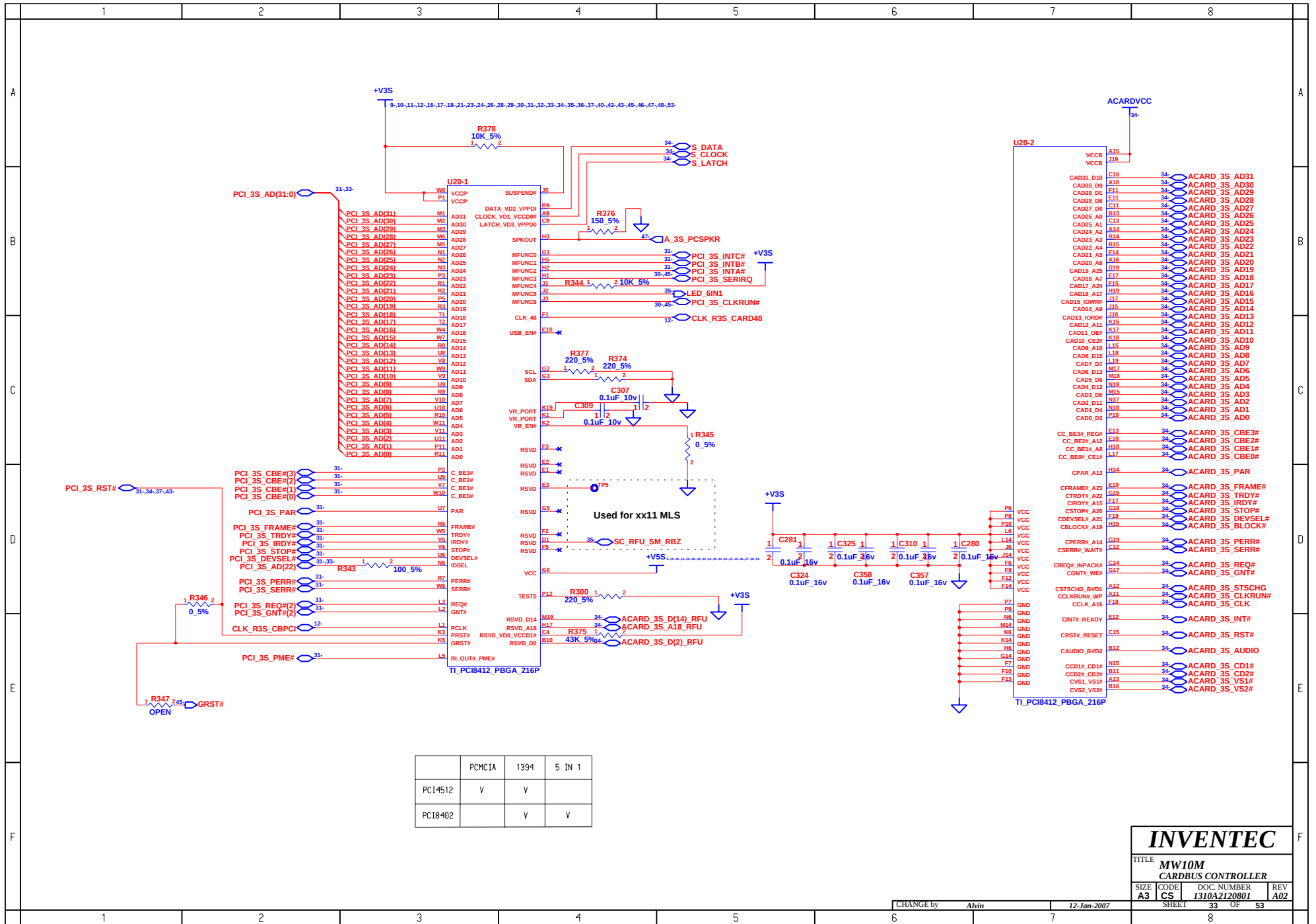
CHANGE by **Alm** 27-Sep-2003

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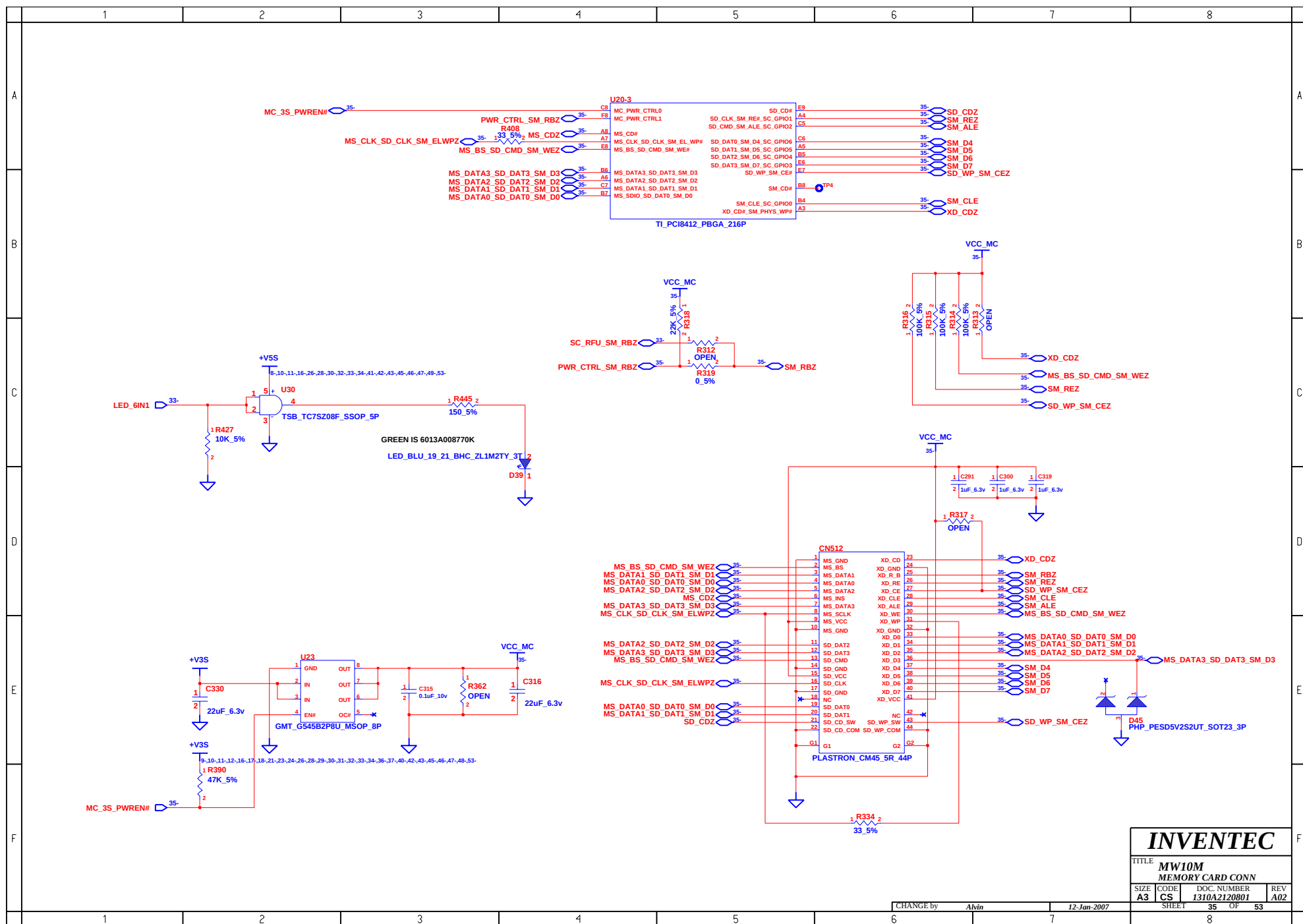
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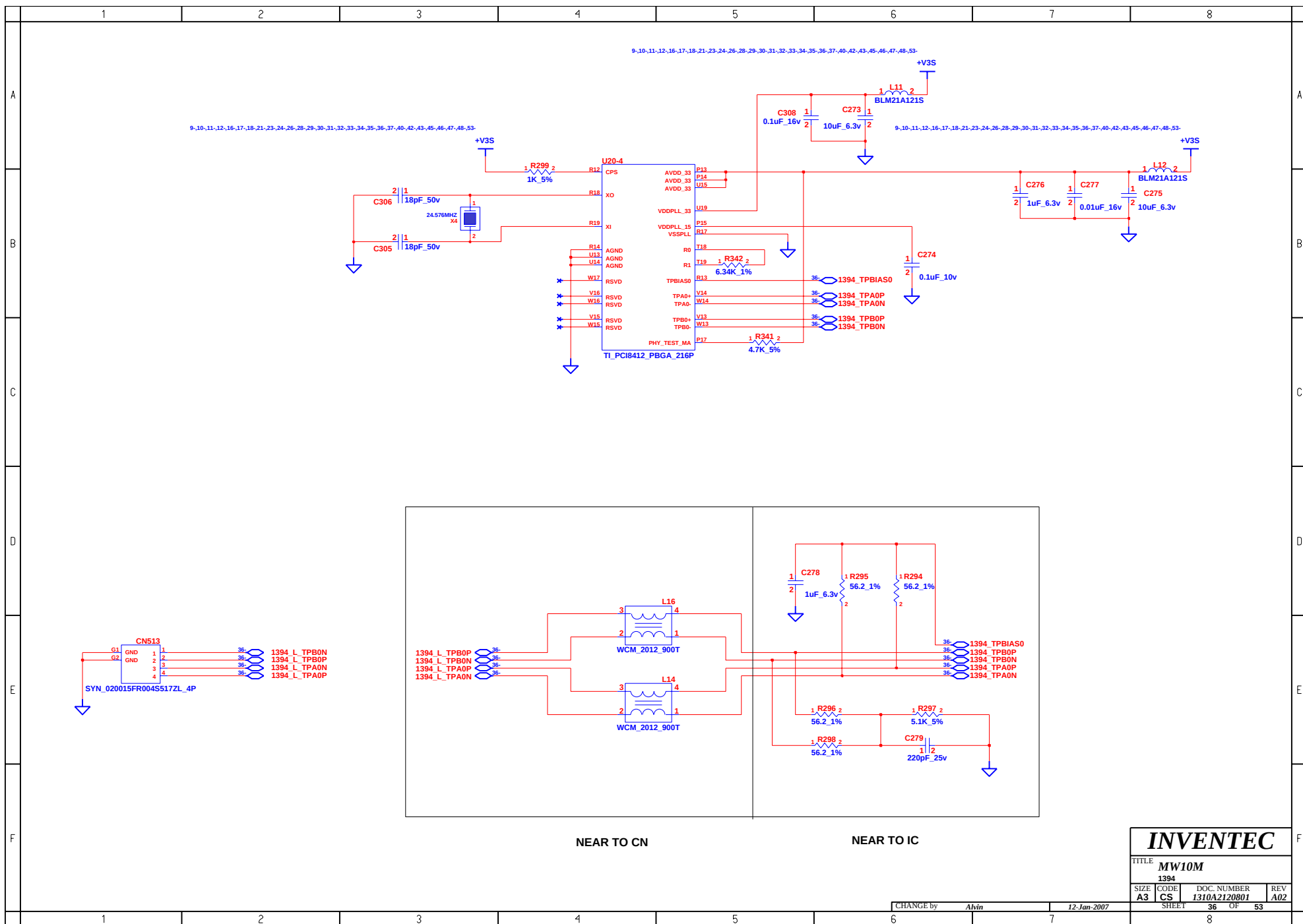
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CARDBUS CONTROLLER

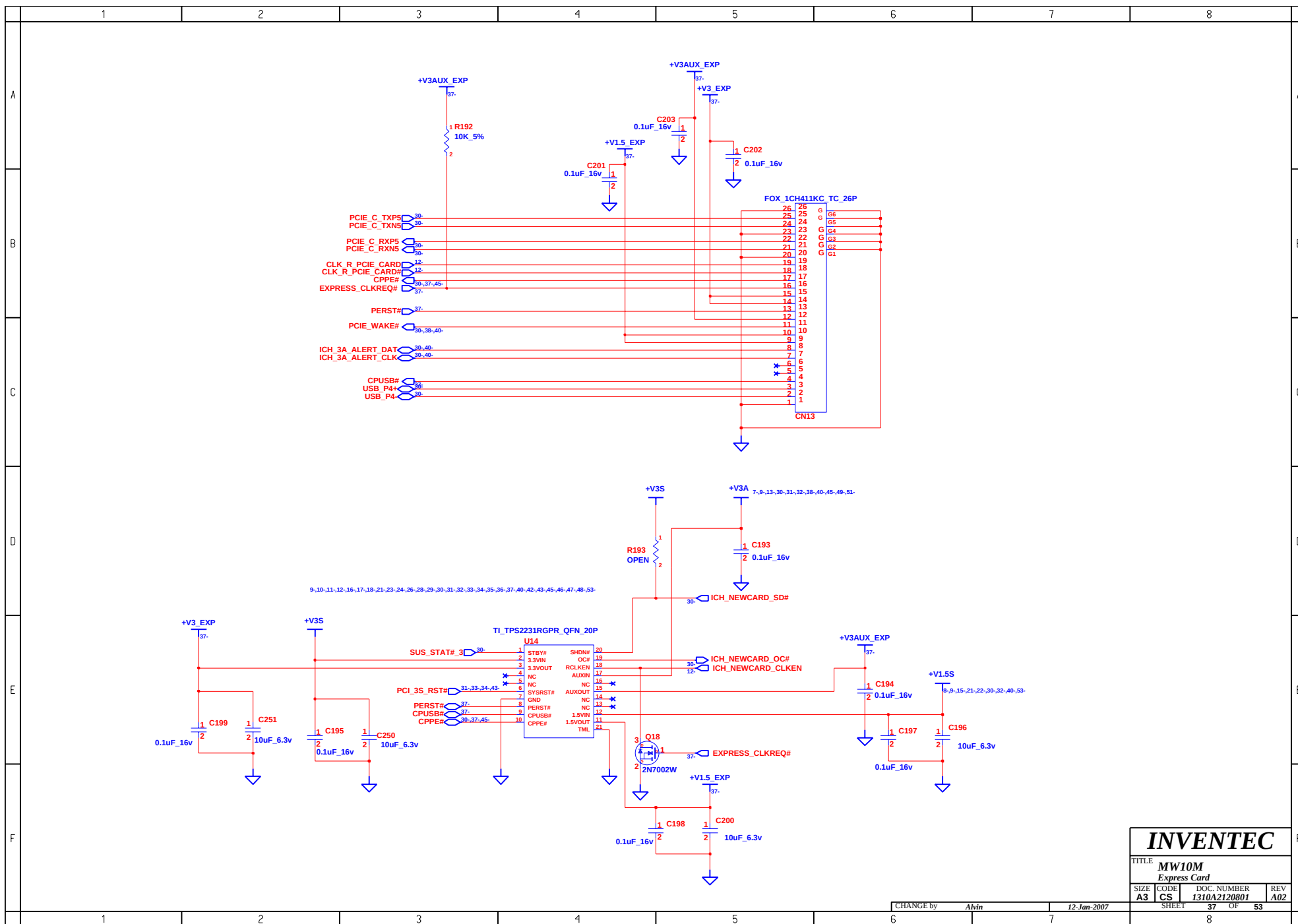
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CHANGE by Alvin 12-Jan-2007

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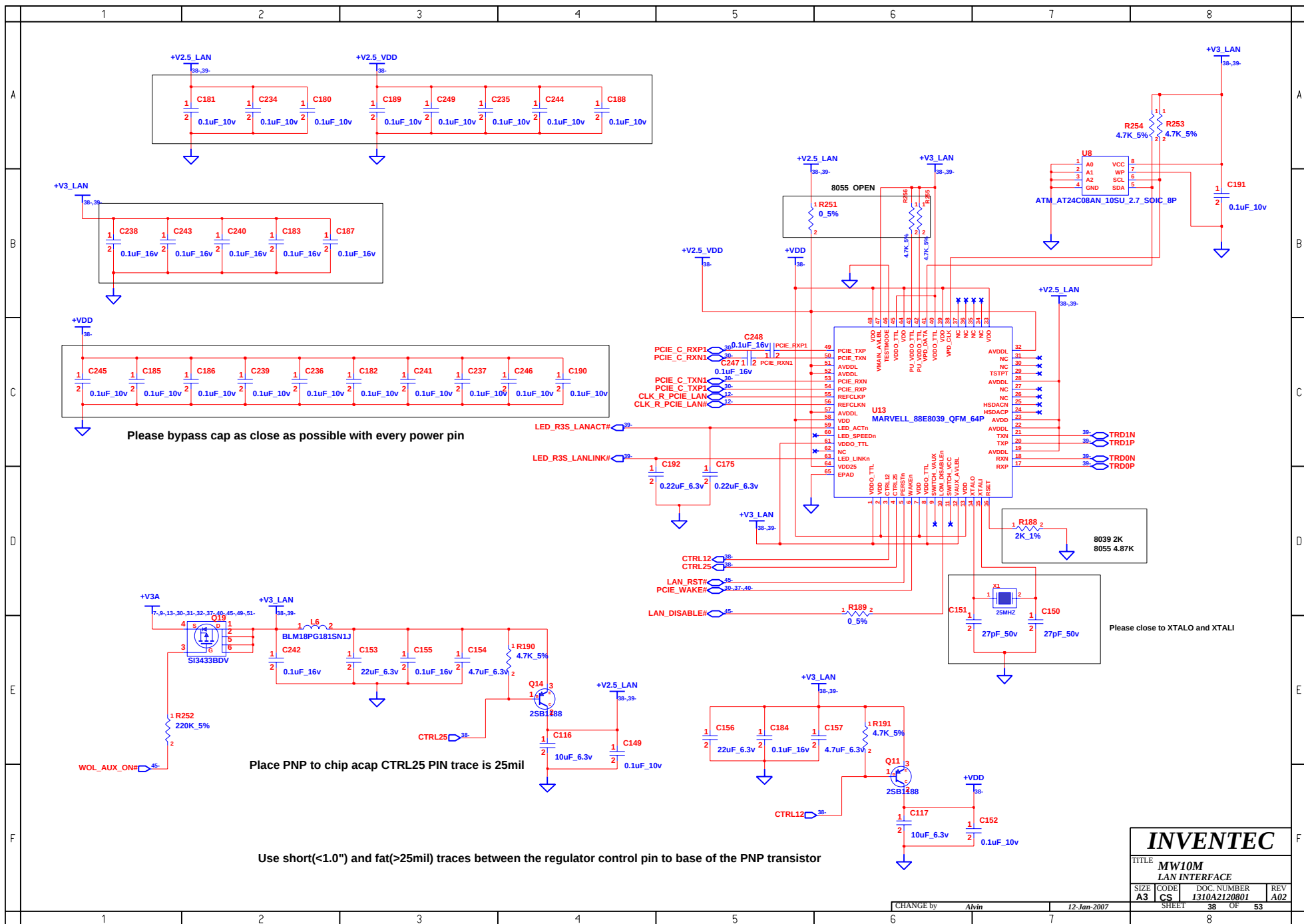


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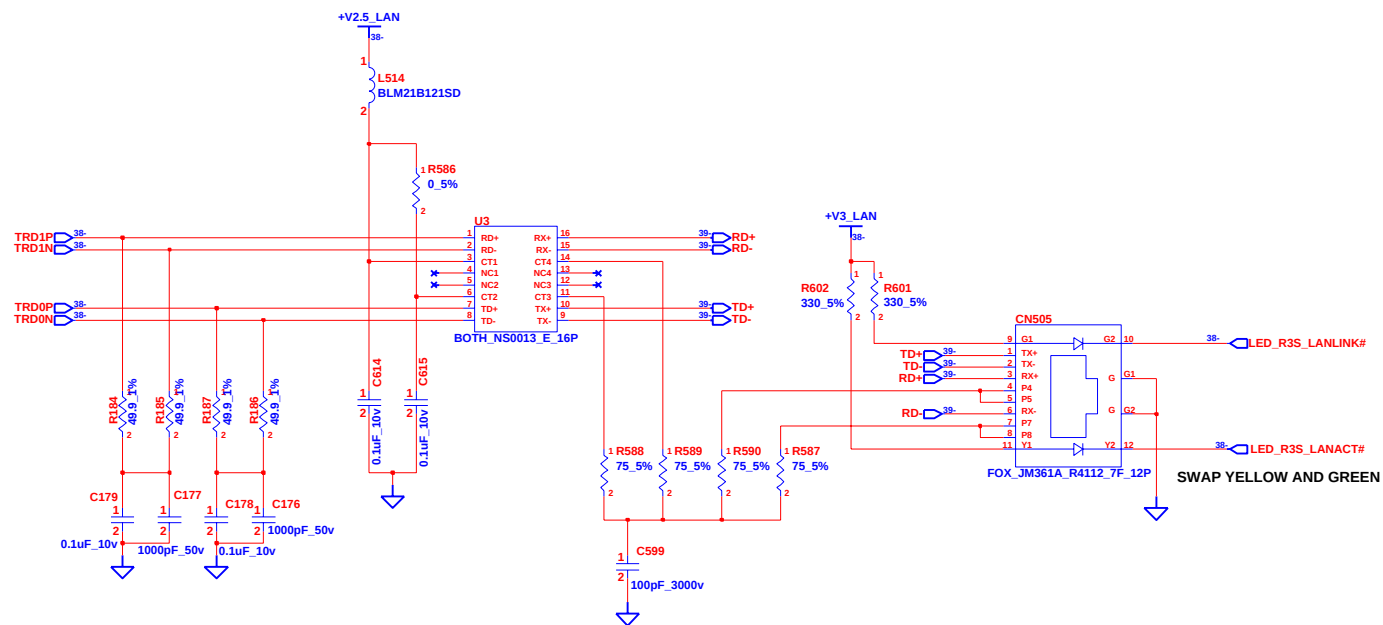
CHANGE by Alvin 12-Jan-2007

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INVENTEC			
TITLE MW10M LAN INTERFACE			
SIZE A3	CODE CS	DOC. NUMBER 1310A2120801	REV A02
SHEET 38		OF 53	

CHANGE by Alvin 12-Jun-2007



LAYOUT NOTE : Place termination resistors and caps as close to LAN controller as possible

INVENTEC

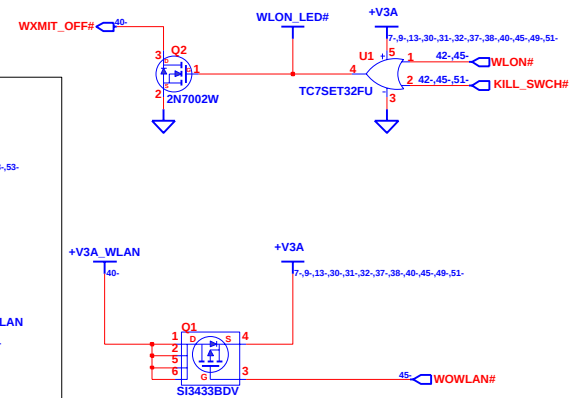
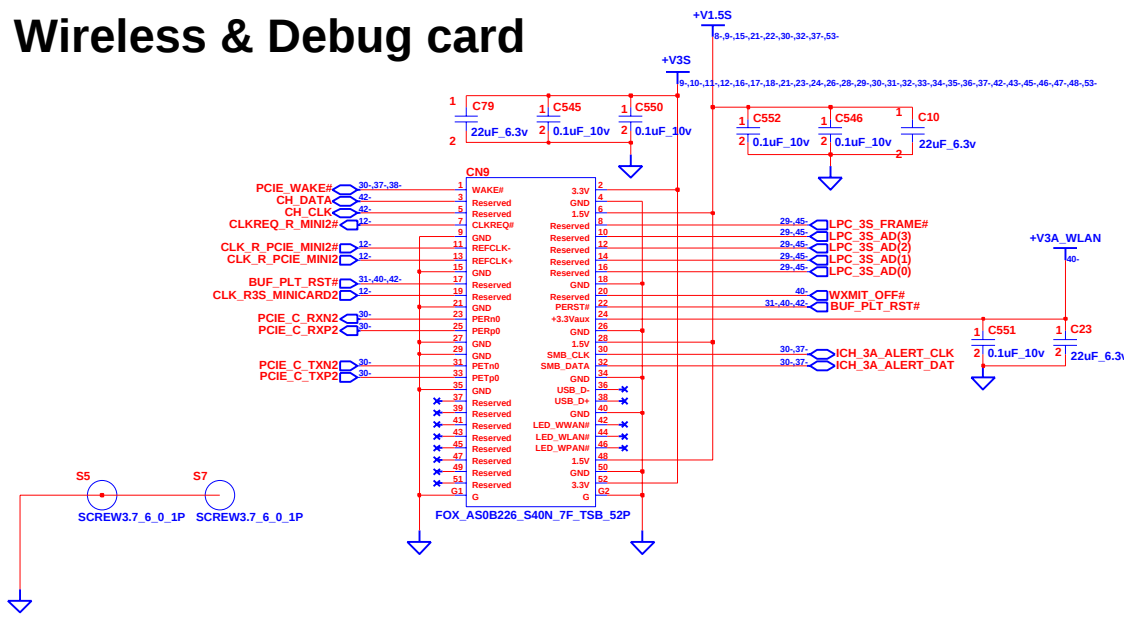
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**MW10M
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CHANGE by Alvin 12-Jan-2007

SHEET 39 OF 53

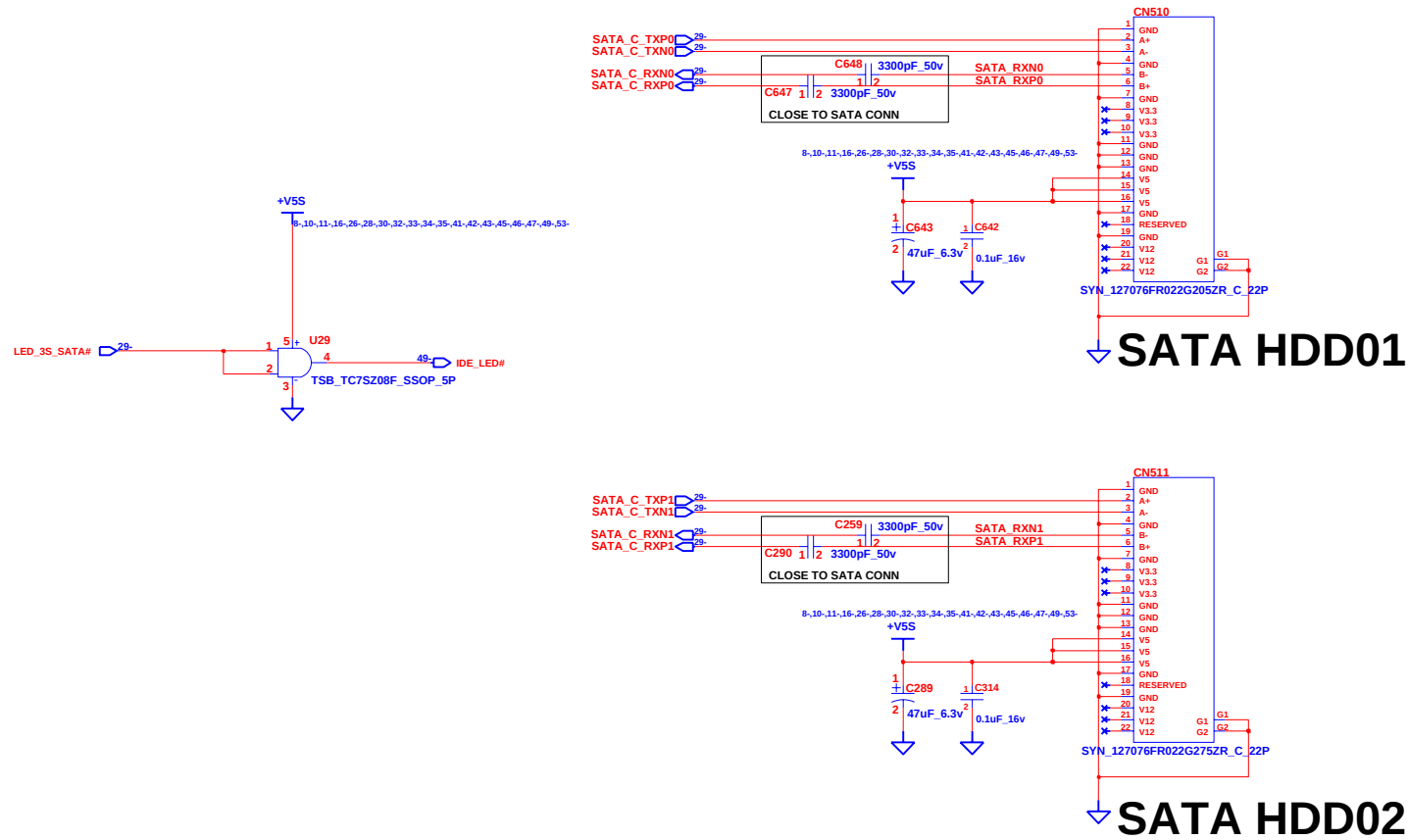
Wireless & Debug card



INVENTEC

TITLE MW10M WLAN			
SIZE A3	CODE CS	DOC. NUMBER I310A2120801	REV A02
SHEET		40	OF 53

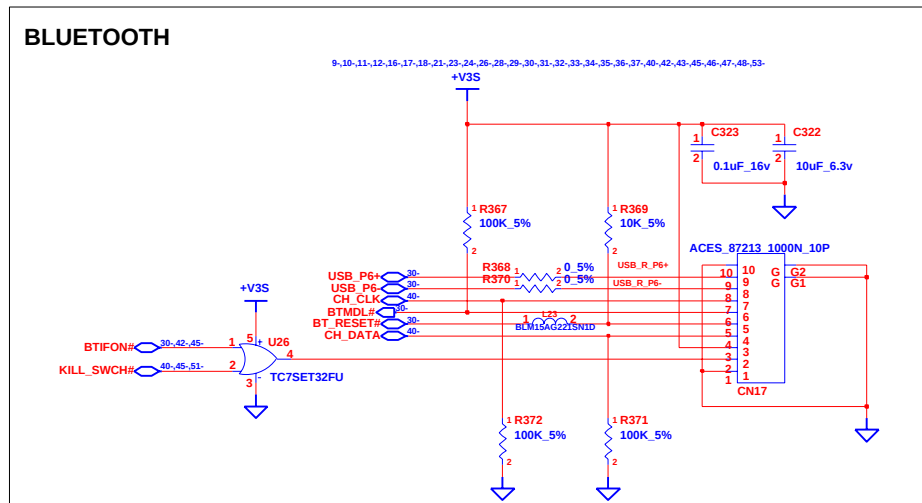
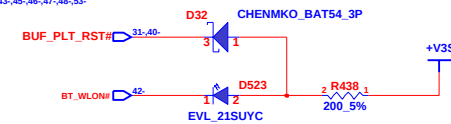
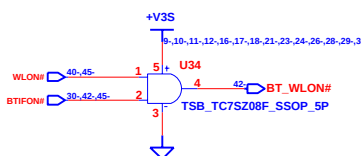
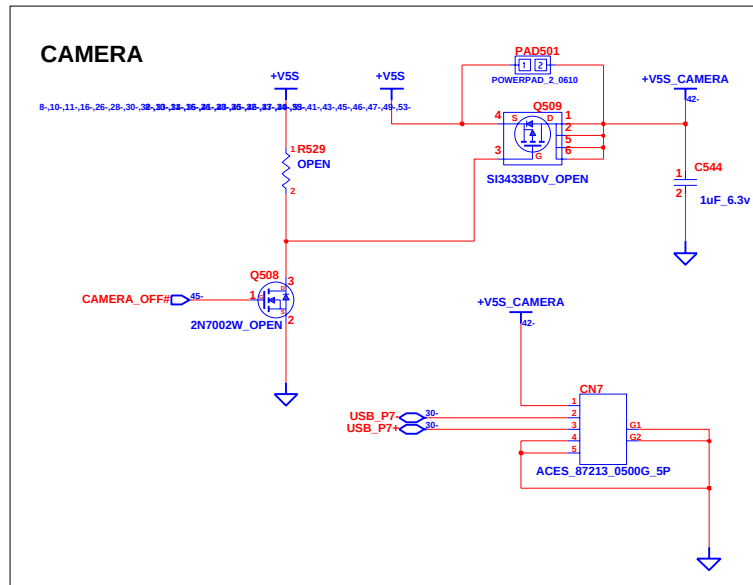
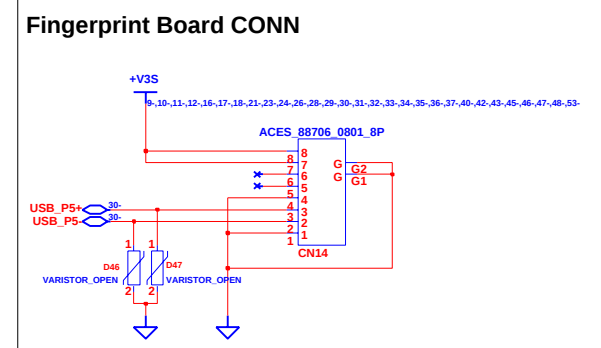
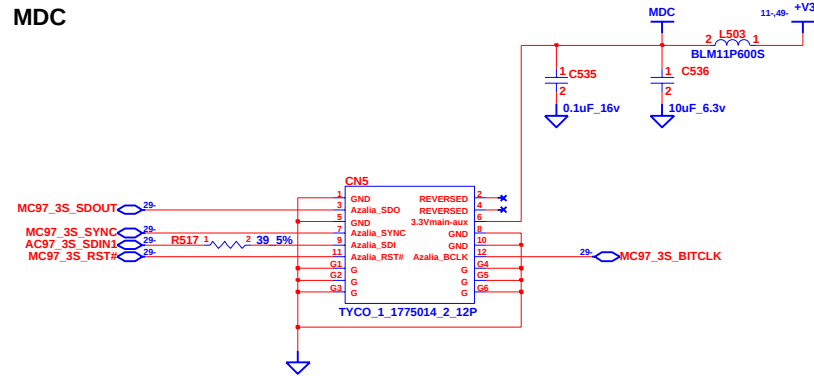
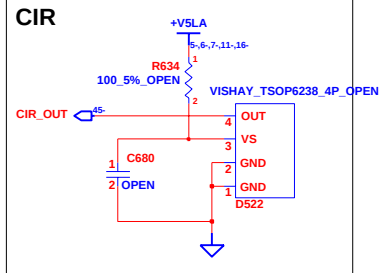
CHANGE by Alvin 12-Jan-2007



INVENTEC			
TITLE			
MW10M			
SATA HDD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2120801	A02

CHANGE by Alvin 12-Jan-2007

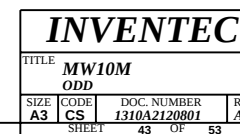
SHEET 41 OF 53



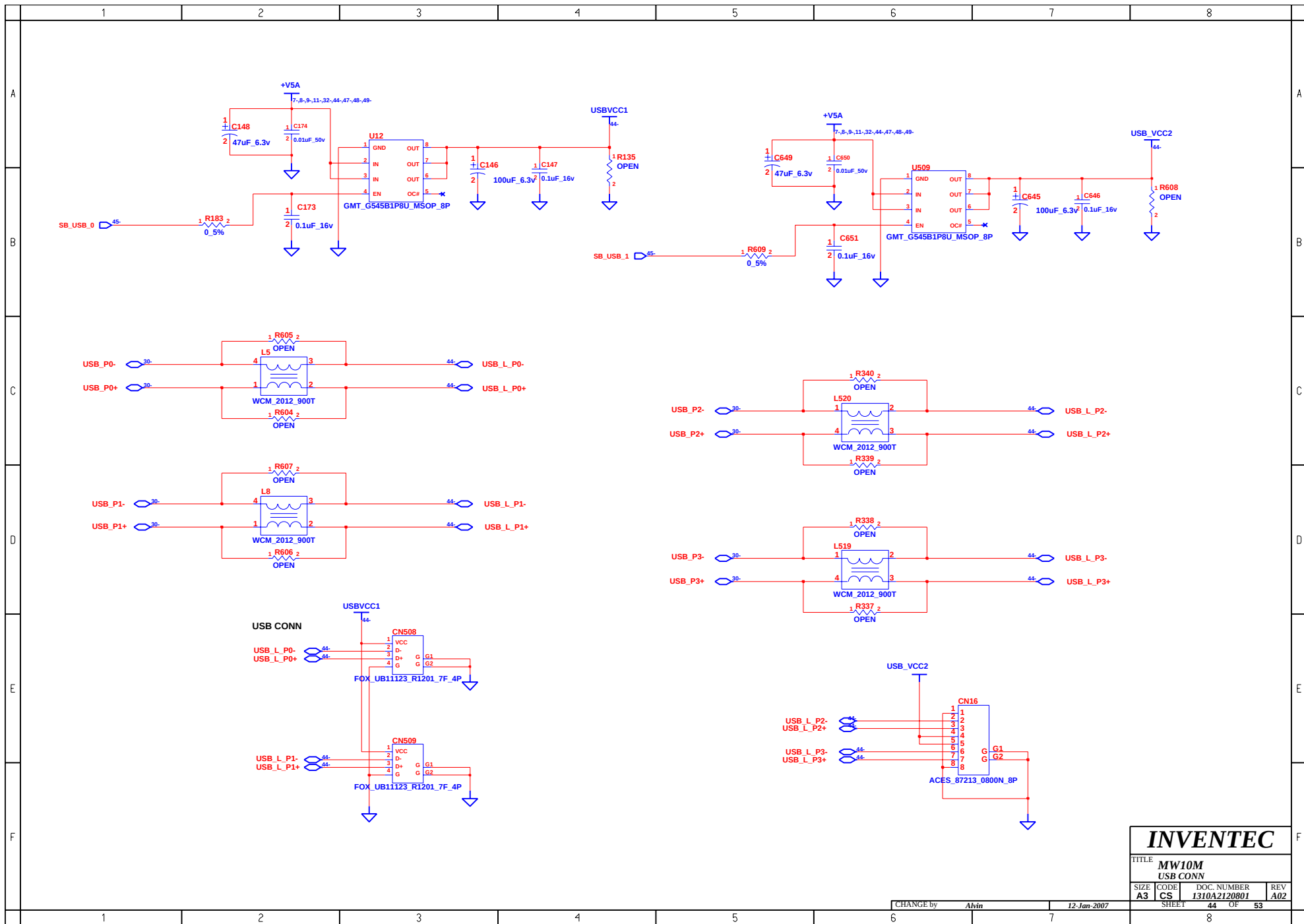
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TITLE MW10M			
Camera&CIR&MDC&Fingerprint&Bluetooth			
SIZE A3	CODE CS	DOC. NUMBER I310A2120801	REV A02

CHANGE by Alvin 12-Jan-2007

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CHANGE by	<i>Alvin</i>	<i>12-Jan-2007</i>
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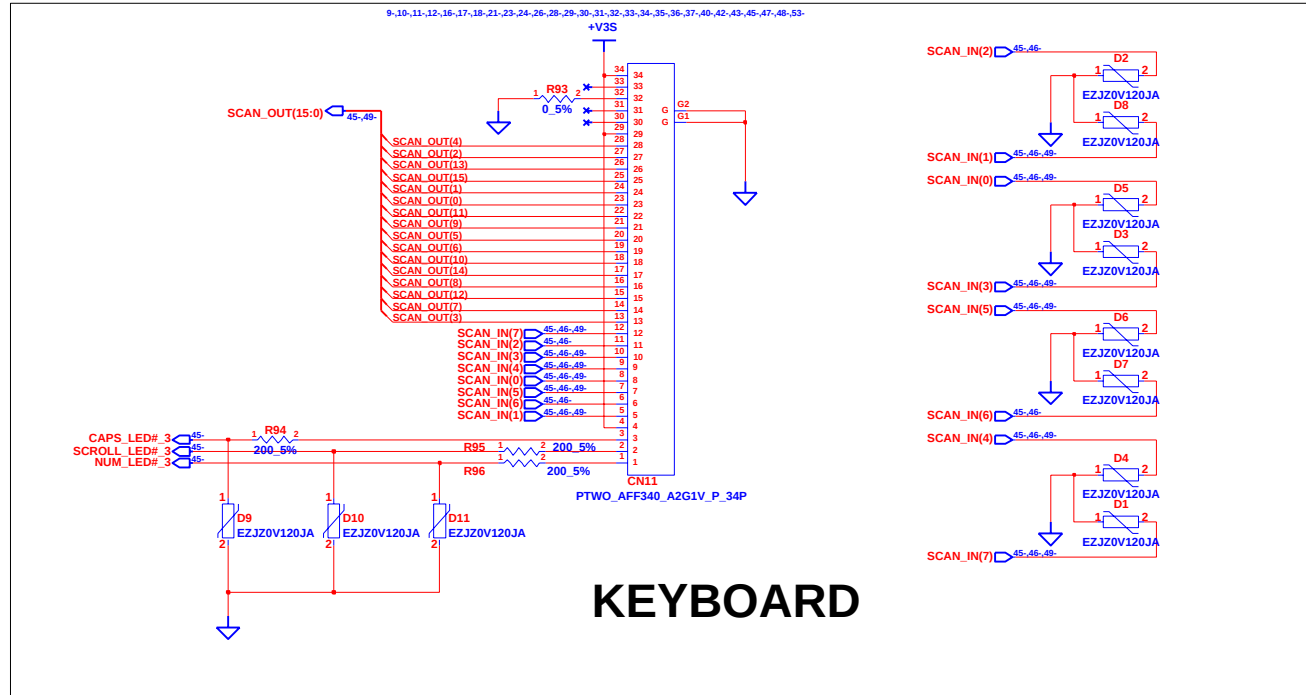
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TITLE
**MW10M
USB CONN**

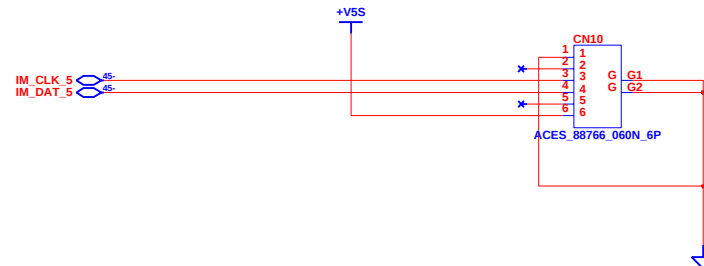
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CHANGE by *Alvin* 12-Jan-2007

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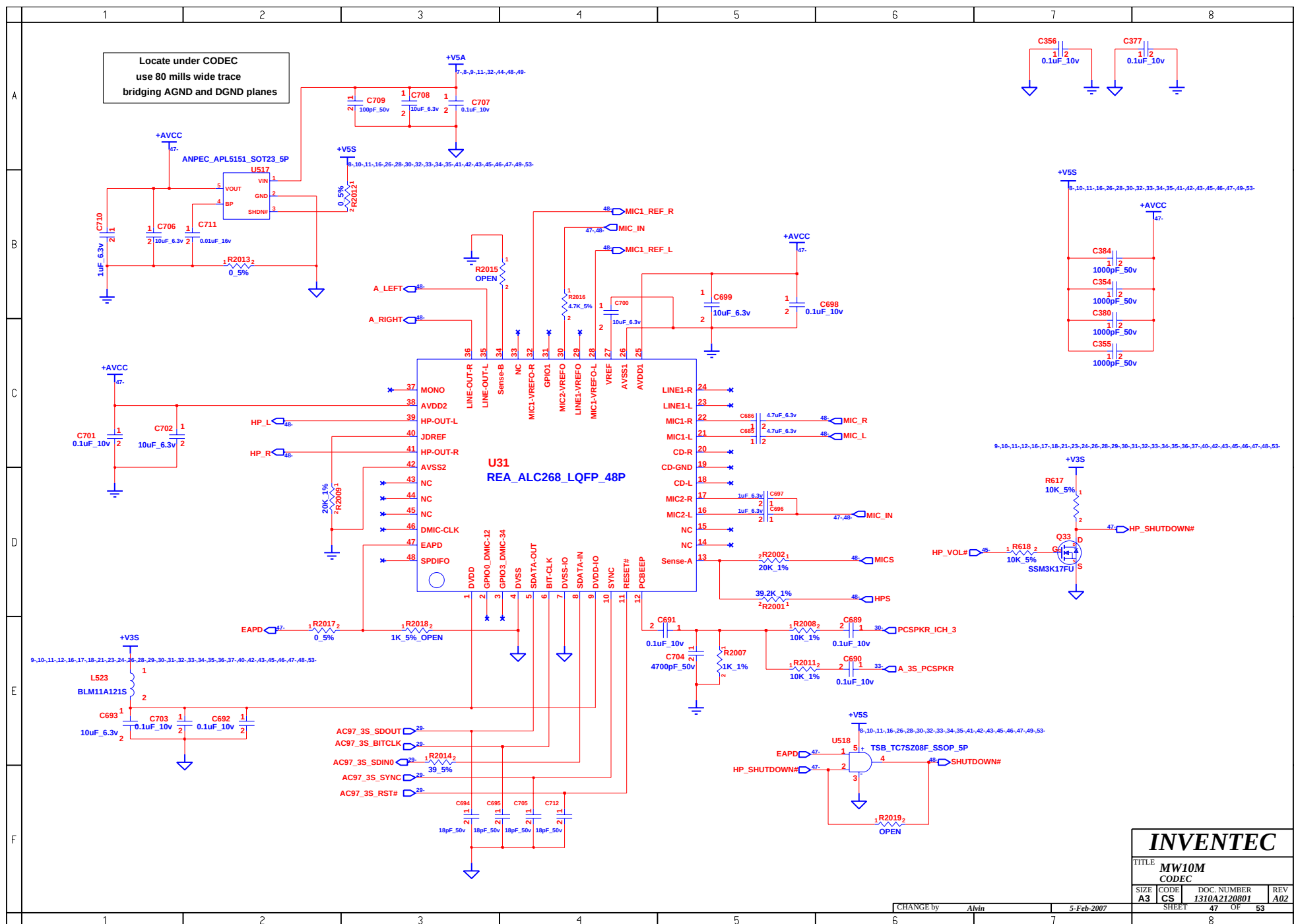


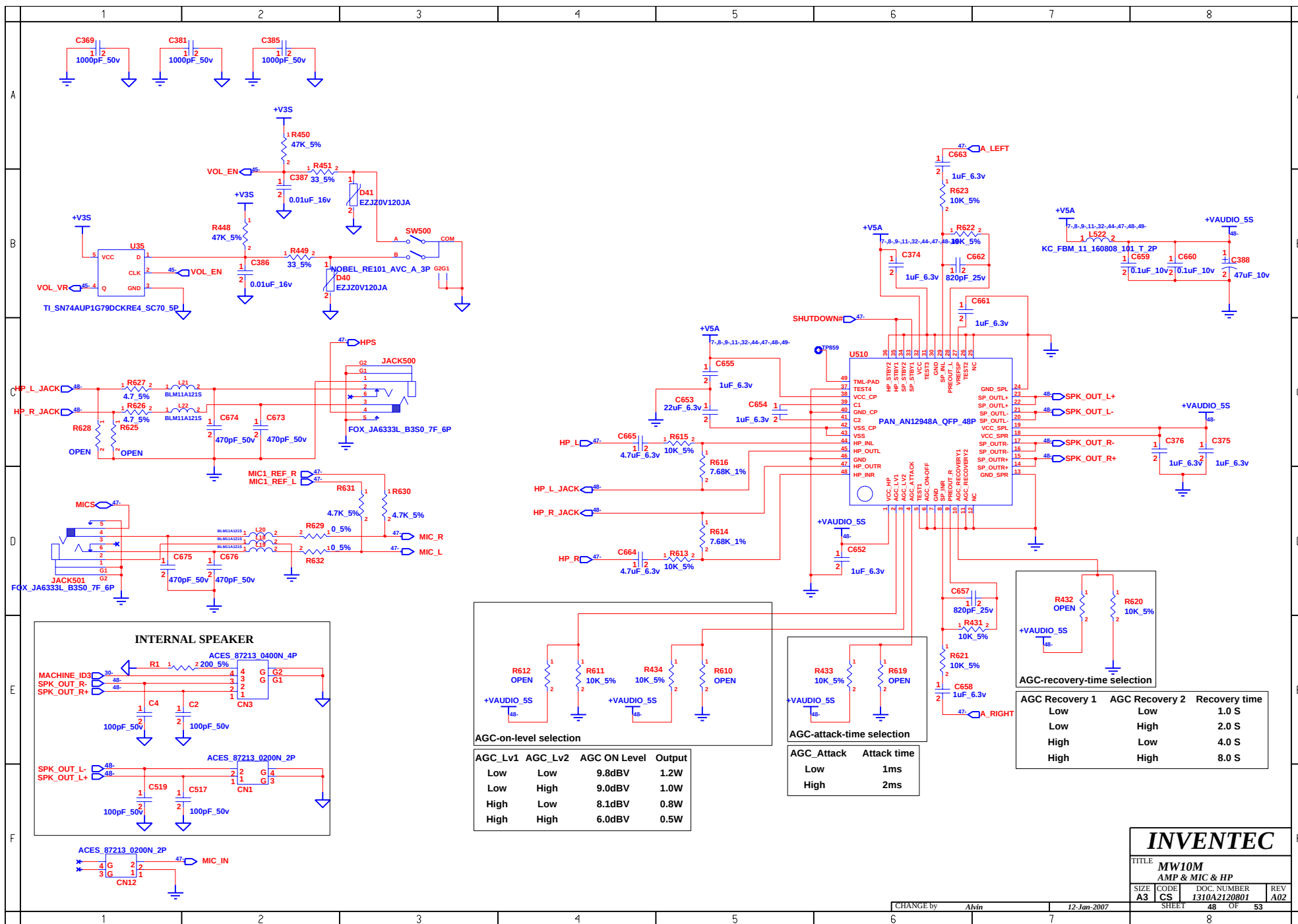
KEYBOARD

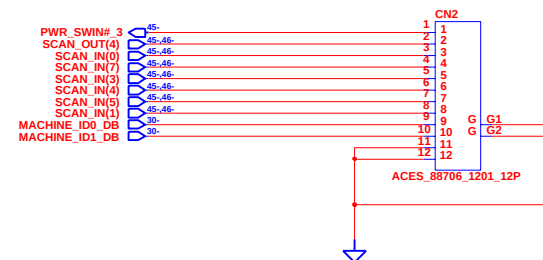
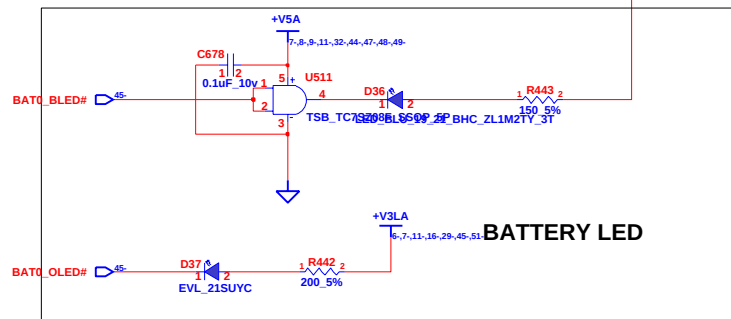
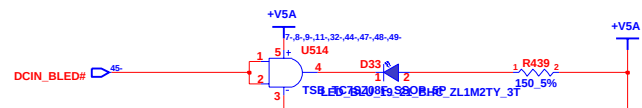
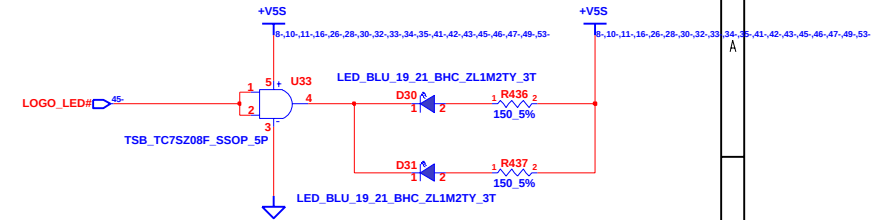


INVENTEC			
TITLE			
MW10M			
INT.KBC/POINT DEVICES			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2120801	A02
SHEET		46	OF 53

CHANGE by Alvin 12-Jan-2007

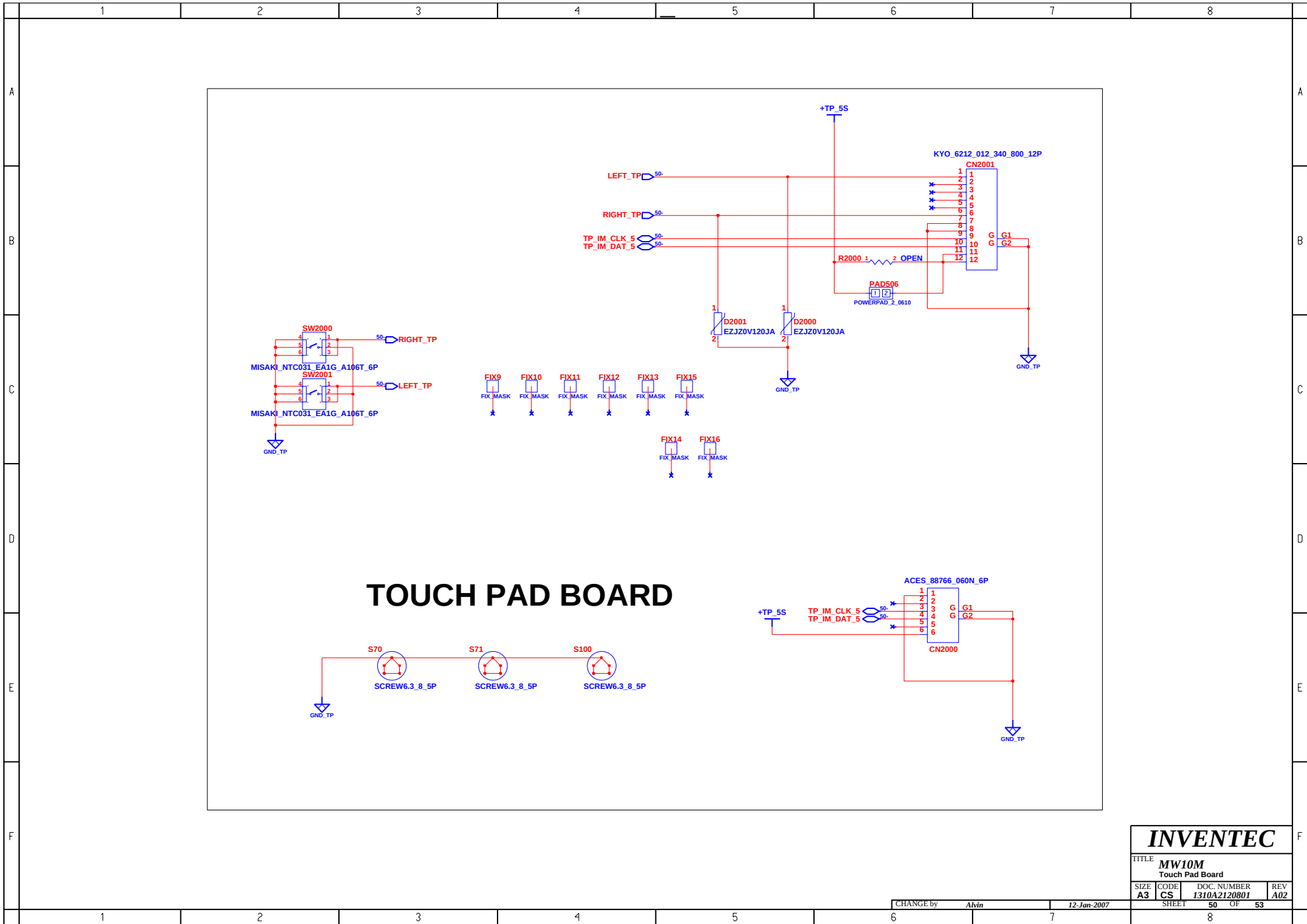






TITLE			
MW10M LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2120801	A02
SHEET		49	OF 53

CHANGE by	<i>Alvin</i>	<i>12-Jan-2007</i>
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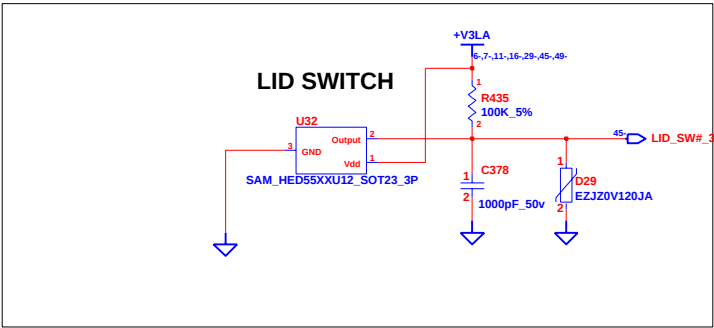
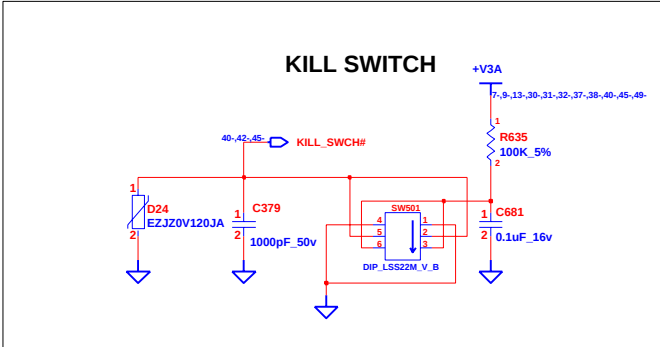
INVENTEC

TITLE			
MW10M			
Touch Pad Board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2120801	A02

CHANGE by Alvin 12-Jan-2007

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

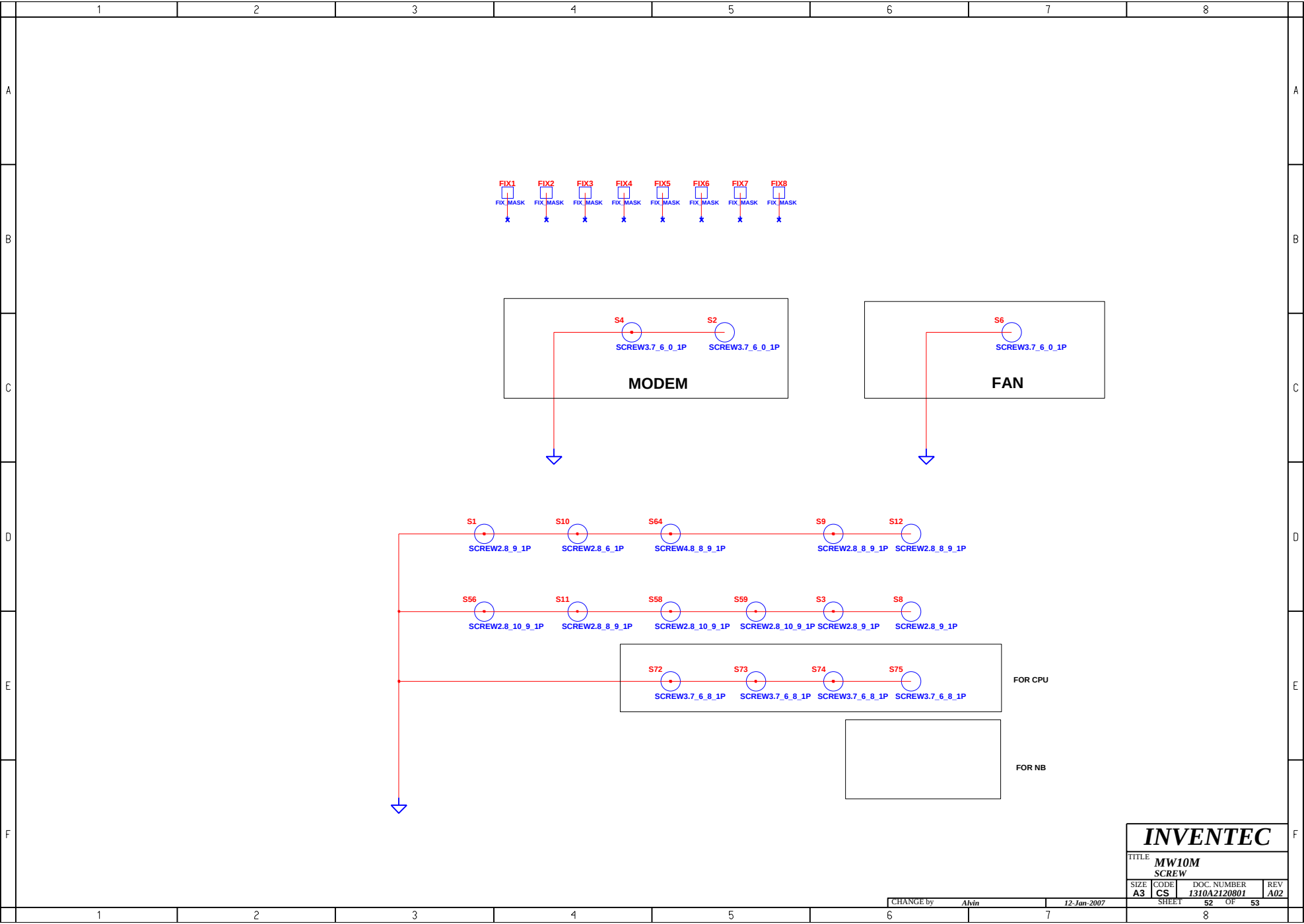


INVENTEC

TITLE			
MW10M			
Kill SW & Lid SW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310AZ120801	A02

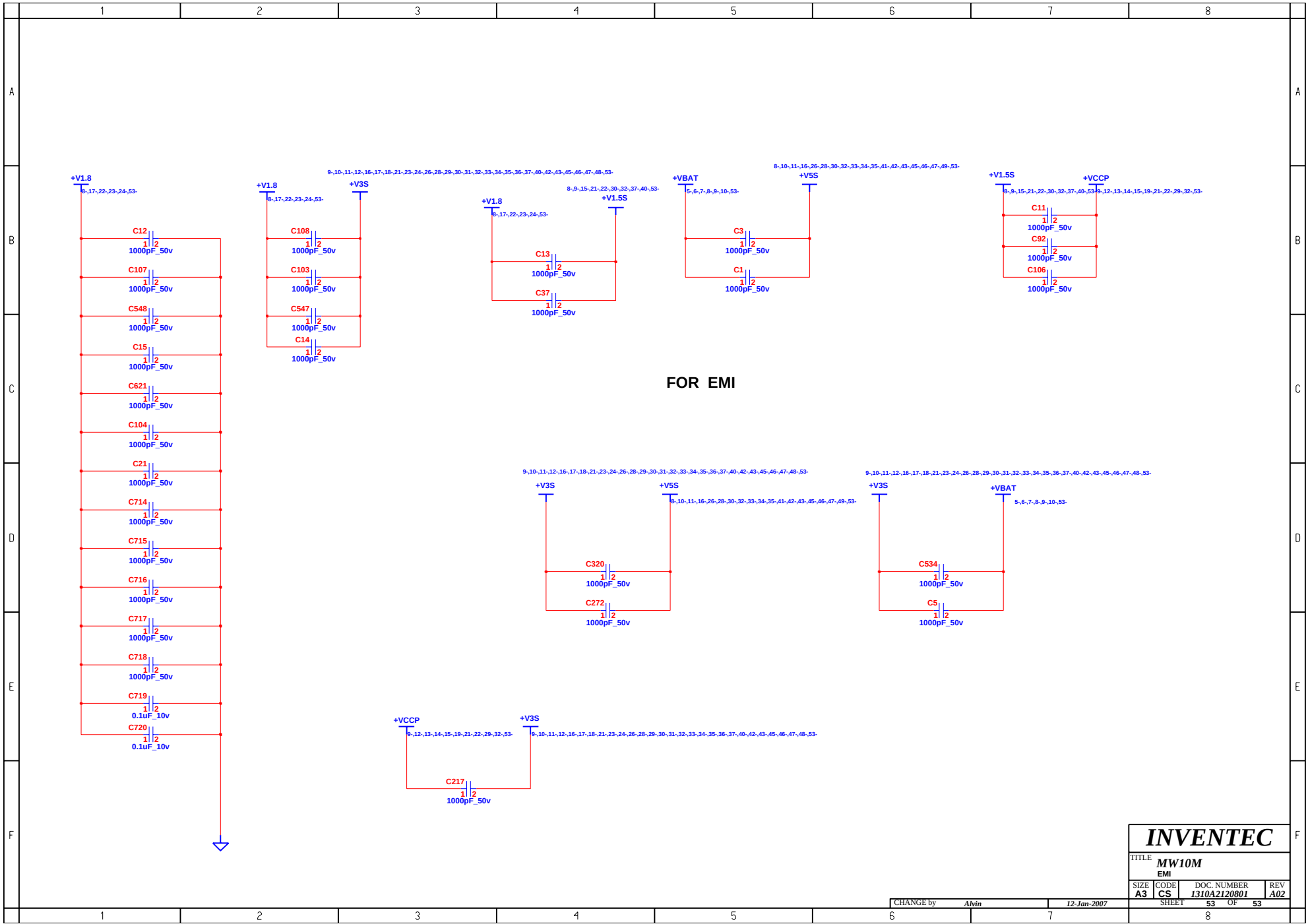
CHANGE by Alvin 12-Jan-2007

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INVENTEC

TITLE			
MW10M SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2120801	A02



INVENTEC

TITLE			
MW10M			
EMI			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310AZ120801	A02

CHANGE by	Alvin	12-Jan-2007	SHEET	53	OF	53
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