

12345678

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MANAUS 10M
PreMP Build(A02)

2010.03.23

	EE	DATE	POWER	DATE
DRAWER	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16
DESIGN	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16
CHECK	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16
RESPONSIBLE	Chiou, Bryan	2010-03-16	Liang, Tommy	2010-03-16

SIZE =	3	VER :	A02
FILE NAME :	MAS10M-6050A2355301-MB-A02-26-20100322		
P/N	6050A2355301		

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

DATE	CHANGE NO.	REV
2010/03/16	2010-ECO-004887	A

TITLE	
MAS10M	

SHEET	
1	OF 52

INVENTEC

12345678

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MANAUS 10M
PreMP Build(A02)

2010.03.23

	EE	DATE	POWER	DATE
DRAWER	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16
DESIGN	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16
CHECK	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16
RESPONSIBLE	Chiou, Bryan	2010-03-16	Liang, Tommy	2010-03-16

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P/N	6050A2355301		

SIZE	CODE	DOC. NUMBER	REV
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DATE	CHANGE NO.	REV
2010/03/16	2010-ECO-004887	A

TITLE	
MAS10M	

SHEET	
1	OF 52

INVENTEC

12345678

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MANAUS 10M
PreMP Build(A02)

2010.03.23

	EE	DATE	POWER	DATE
DRAWER	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16
DESIGN	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16
CHECK	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16
RESPONSIBLE	Chiou, Bryan	2010-03-16	Liang, Tommy	2010-03-16

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P/N	6050A2355301		

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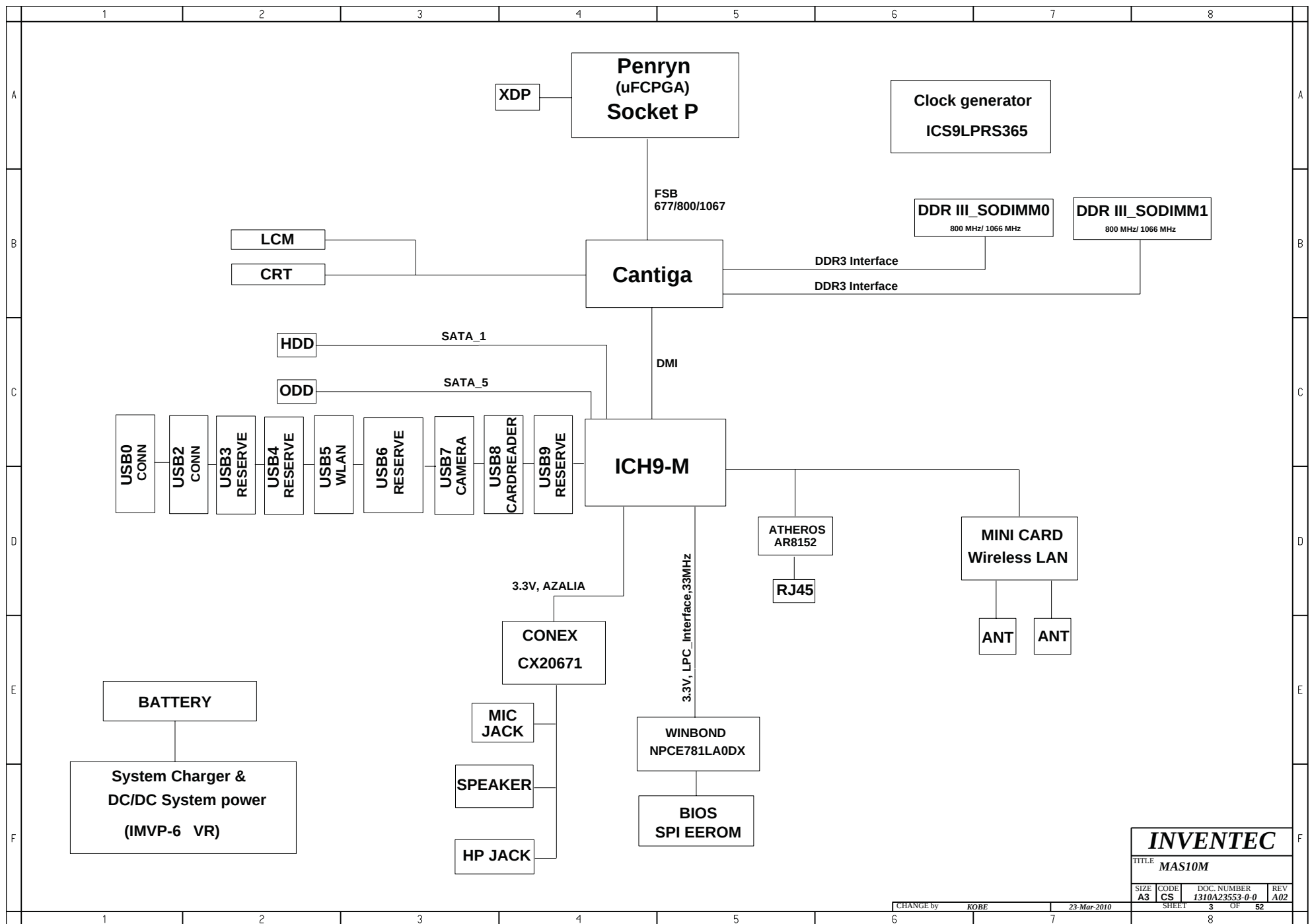
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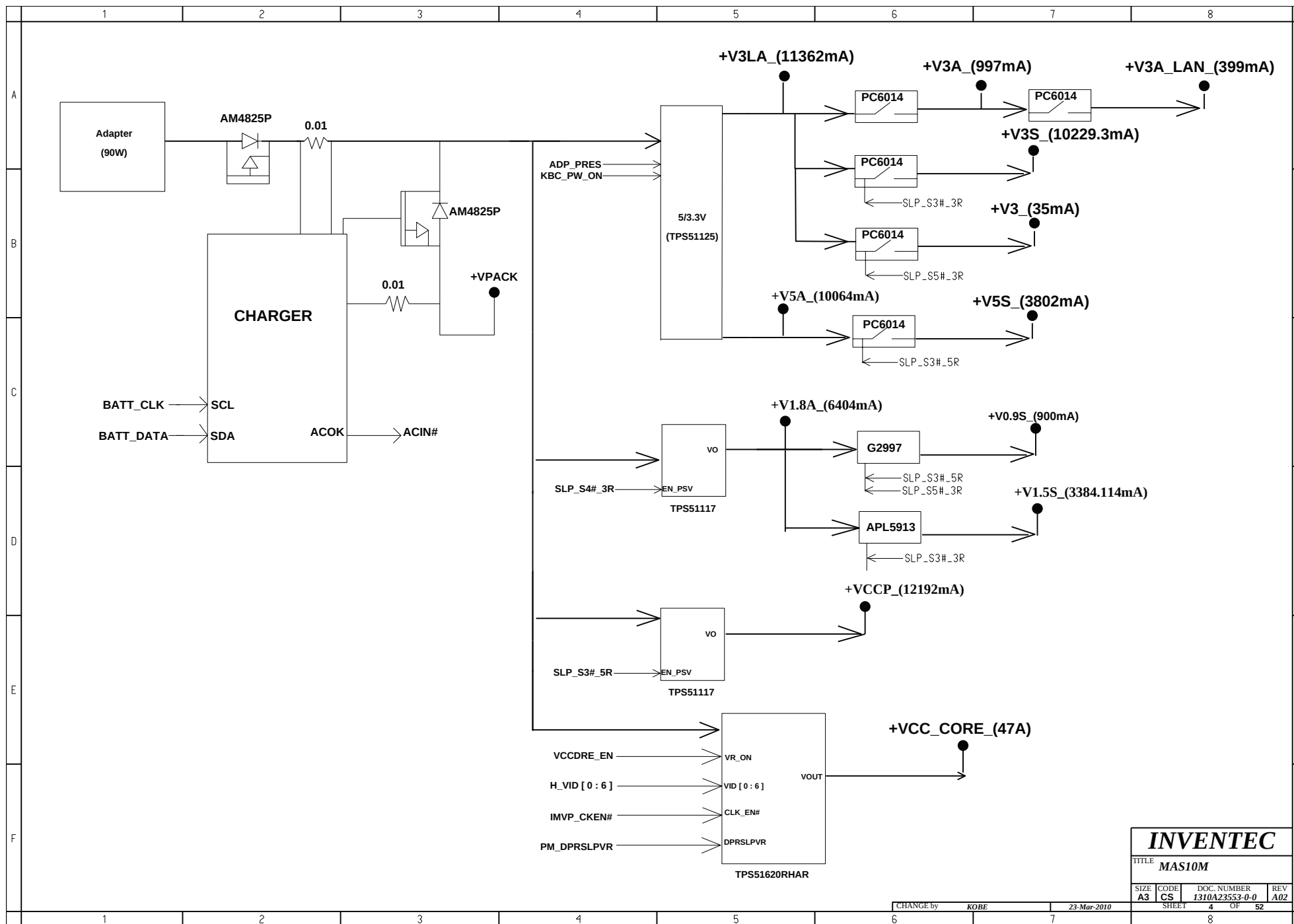
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MAS10M	

SHEET	
1	OF 52

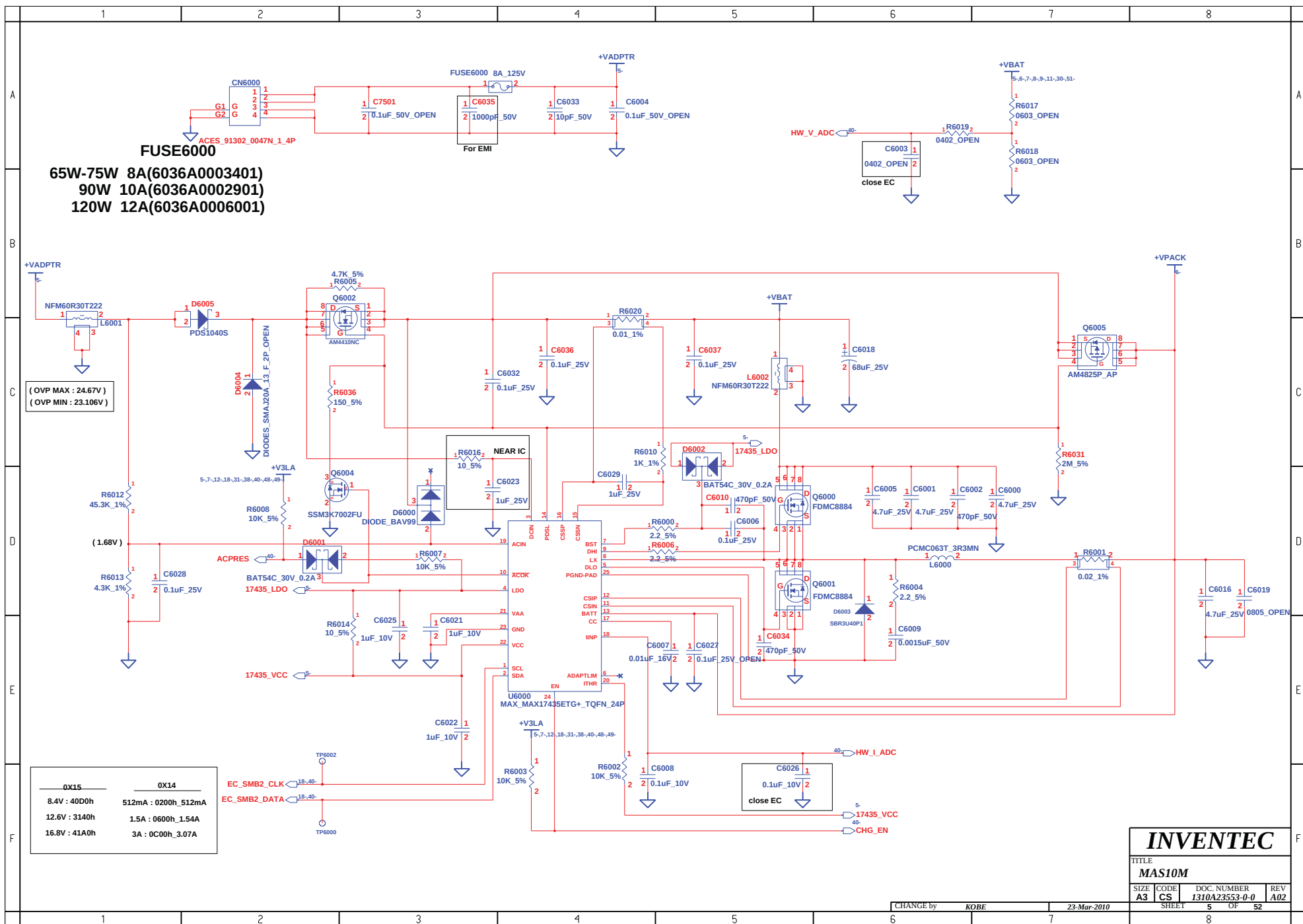
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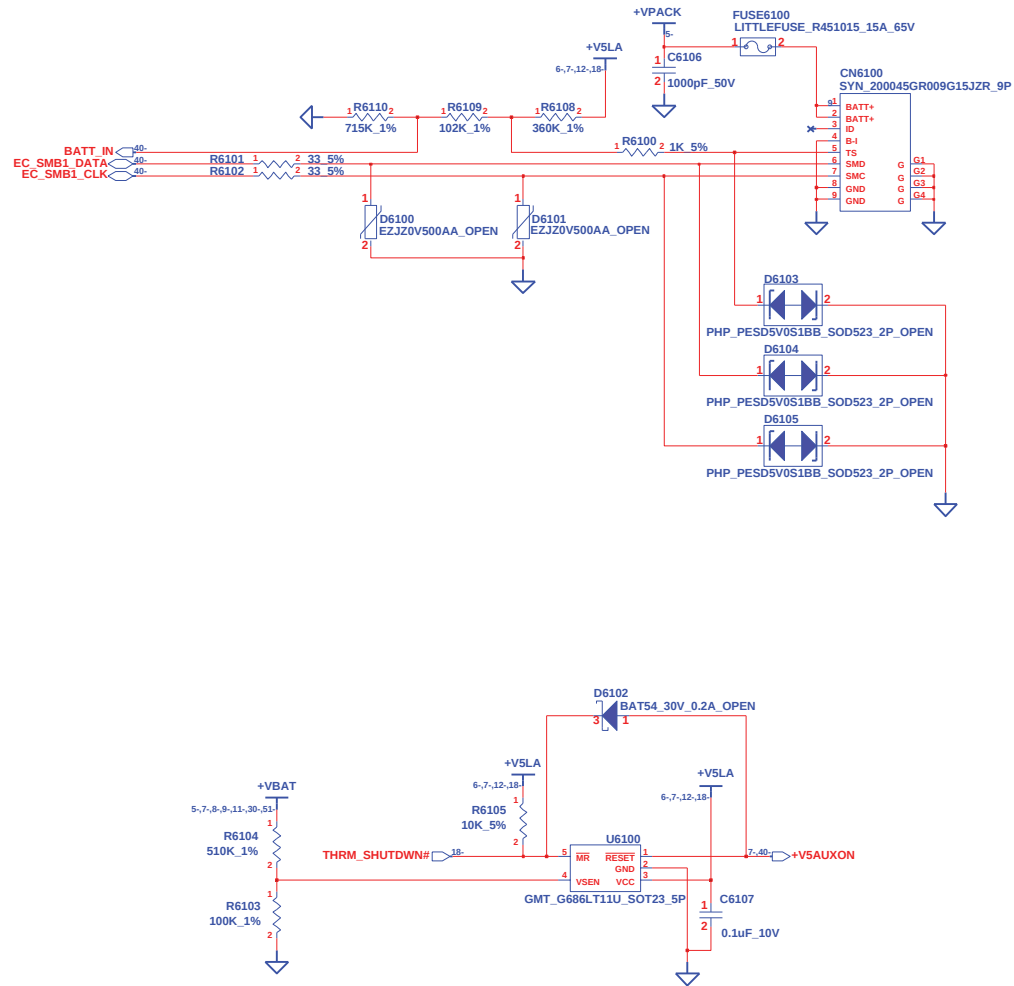
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A	TABLE OF CONTENTS								A
B	PAGE			PAGE			PAGE		B
	1.COVER PAGE			31.ICH9-1					
	2.INDEX			32.ICH9-2					
	3.BLOCK DIAGRAM			33.ICH9-3					
	4.POWER SEQUENCE BLOCK			34.ICH9-4					
	5-12.SYSTEM POWER			35.ICH9-5					
C	13.CLOCK GENERATOR			36.SATA HDD CONN					C
	14.PENRYN-1			37.ODD CONN					
	15.PENRYN-2			38.USB CONN					
	16.PENRYN-3			39.Camera					
	17.PENRYN-4			40.KBC					
	18.FAN & THERMAL CONTROLLER			41.K/B & TP/B CONN					
D	19.CANTIGA-1			42.Audio Codec					D
	20.CANTIGA-2			43.Audio AMP/MIC/Speaker					
	21.CANTIGA-3			44.LAN CONTROLLER					
	22.CANTIGA-4			45.RJ45 & TRANSFORMER					
	23.CANTIGA-5			46.USB Card Reader					
	24.CANTIGA-6			47.WLAN /Debug					
	25.CANTIGA-7			48.LED(M/B) & HOTKEY/B CONN					
E	26.DDR3 DIMM0			49.HALL SENSOR					E
	27.DDR3 DIMM1			50.Screw					
	28.DDR DAMPING			51.EMI					
	29.CRT CONN			52. power board					
	30.LCM CONN								
F									F
						CHANGE by		ROBE	23-Mar-2010
1	2	3	4	5	6	7	8		





INVENTEC			
TITLE MAS10M			
SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
CHANGE by KOBE		23-Mar-2010	
SHEET 4		OF 52	





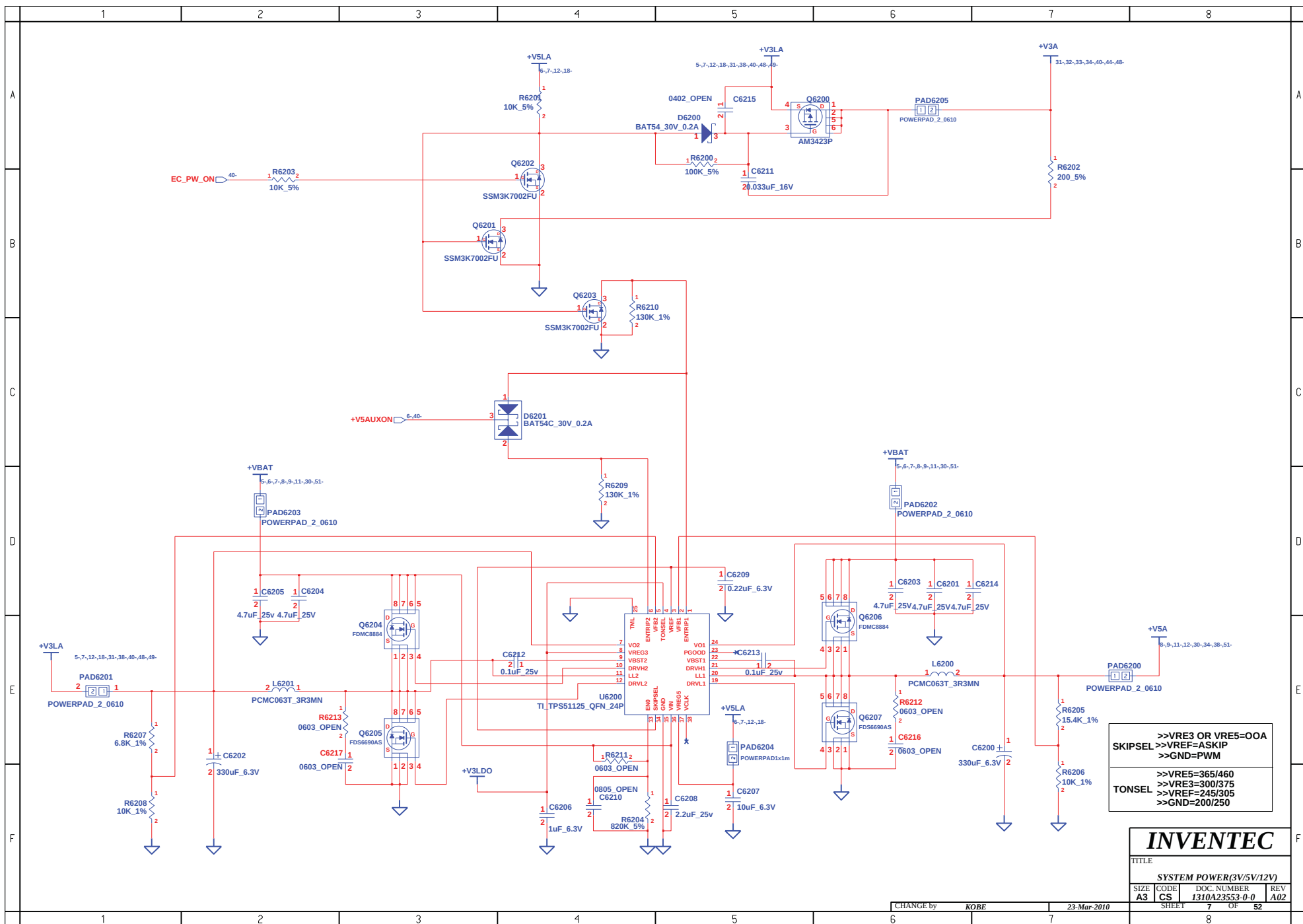
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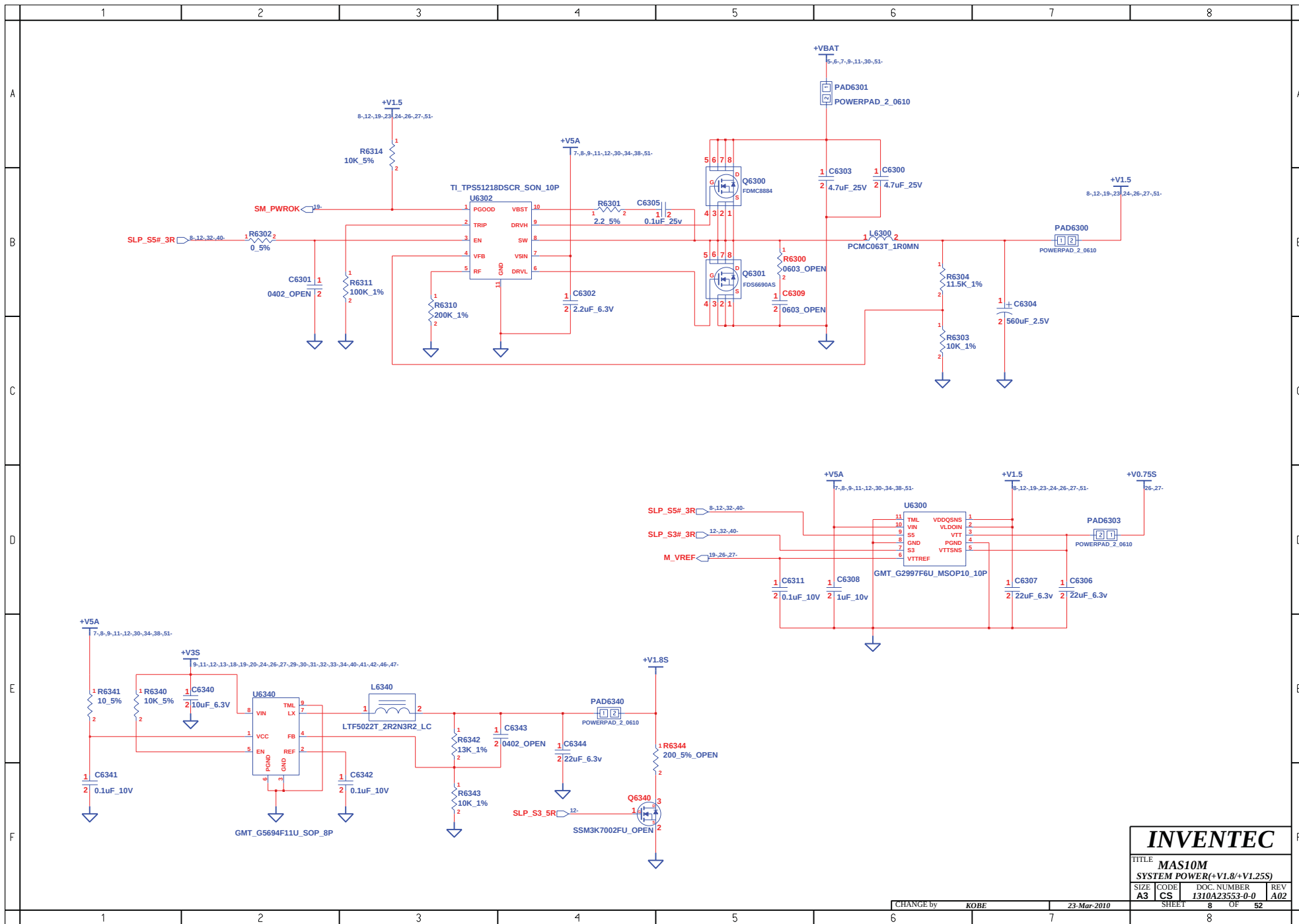
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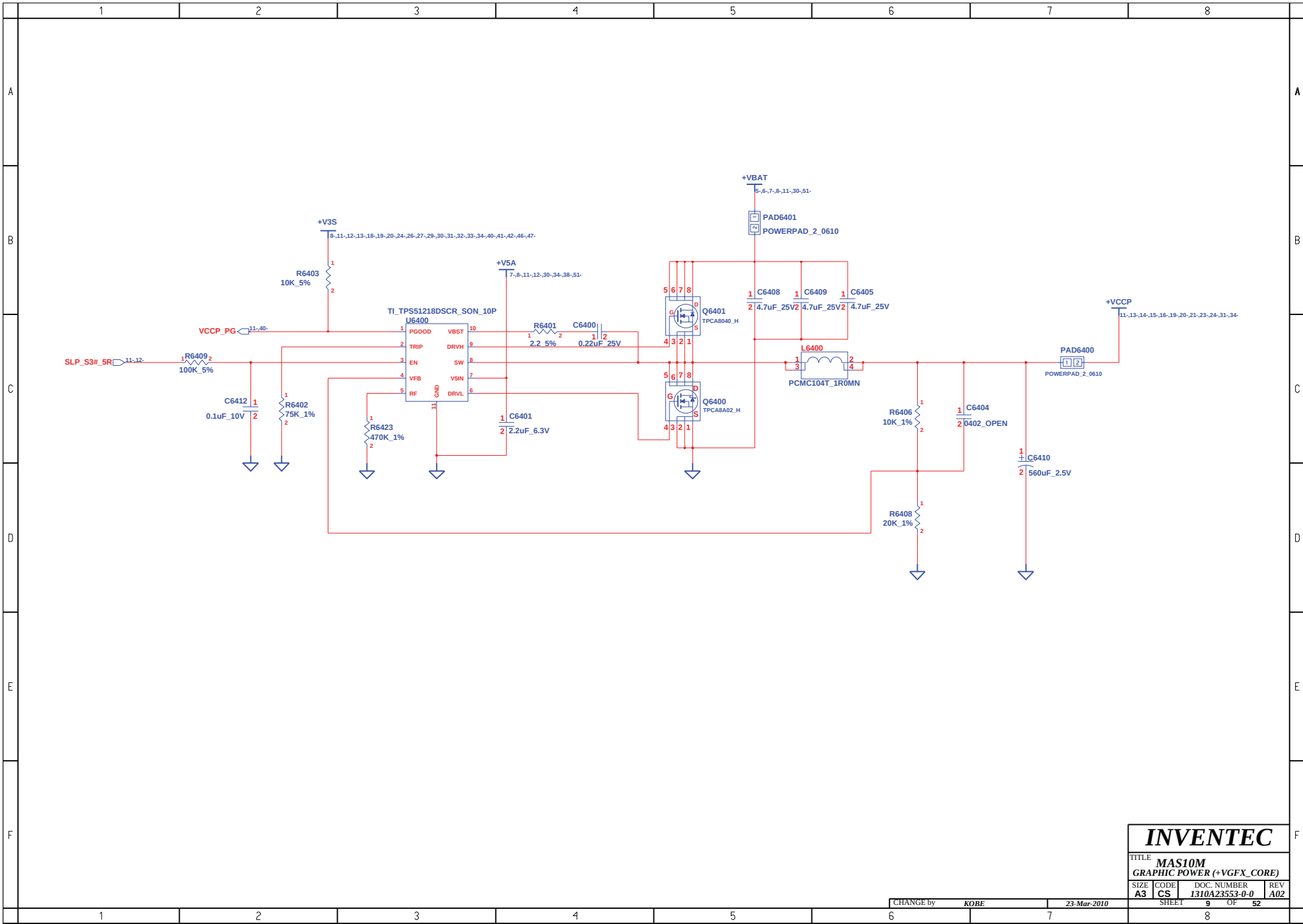
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A3	CS	1310A23553-0-0	A02

CHANGE by KOBE 23-Mar-2010

SHEET 6 OF 52







INVENTEC

TITLE
MAS10M
GRAPHIC POWER (+VGF_X_CORE)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

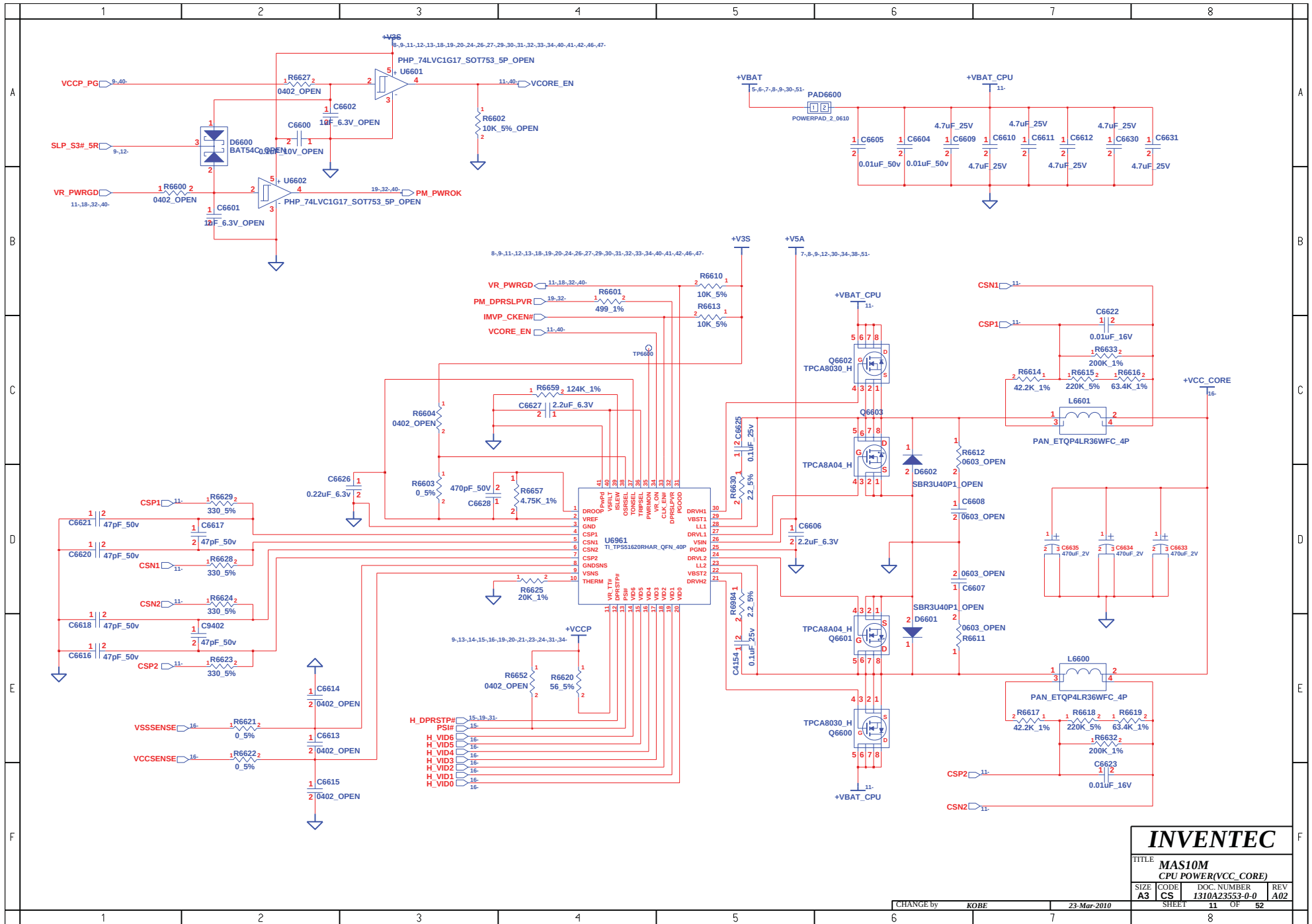
CHANGE by **KOBE** 23-Mar-2010

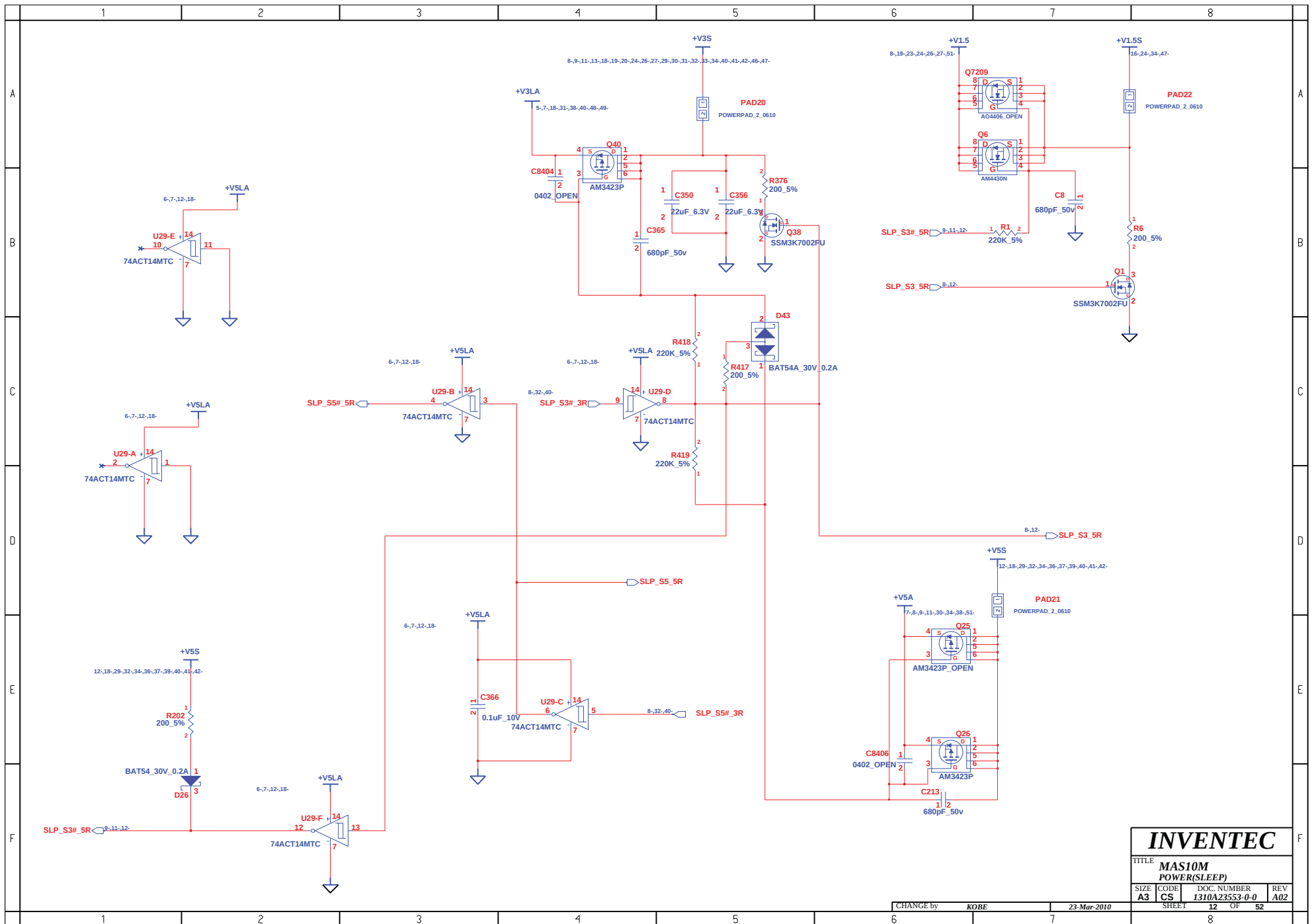
SHEET 9 OF 52

8

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

INVENTEC			
TITLE MAS10M SYSTEM POWER(+VCCP/+V1.5S)			
SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
CHANGE by ROBE		23-Mar-2010	
SHEET 10		OF 52	



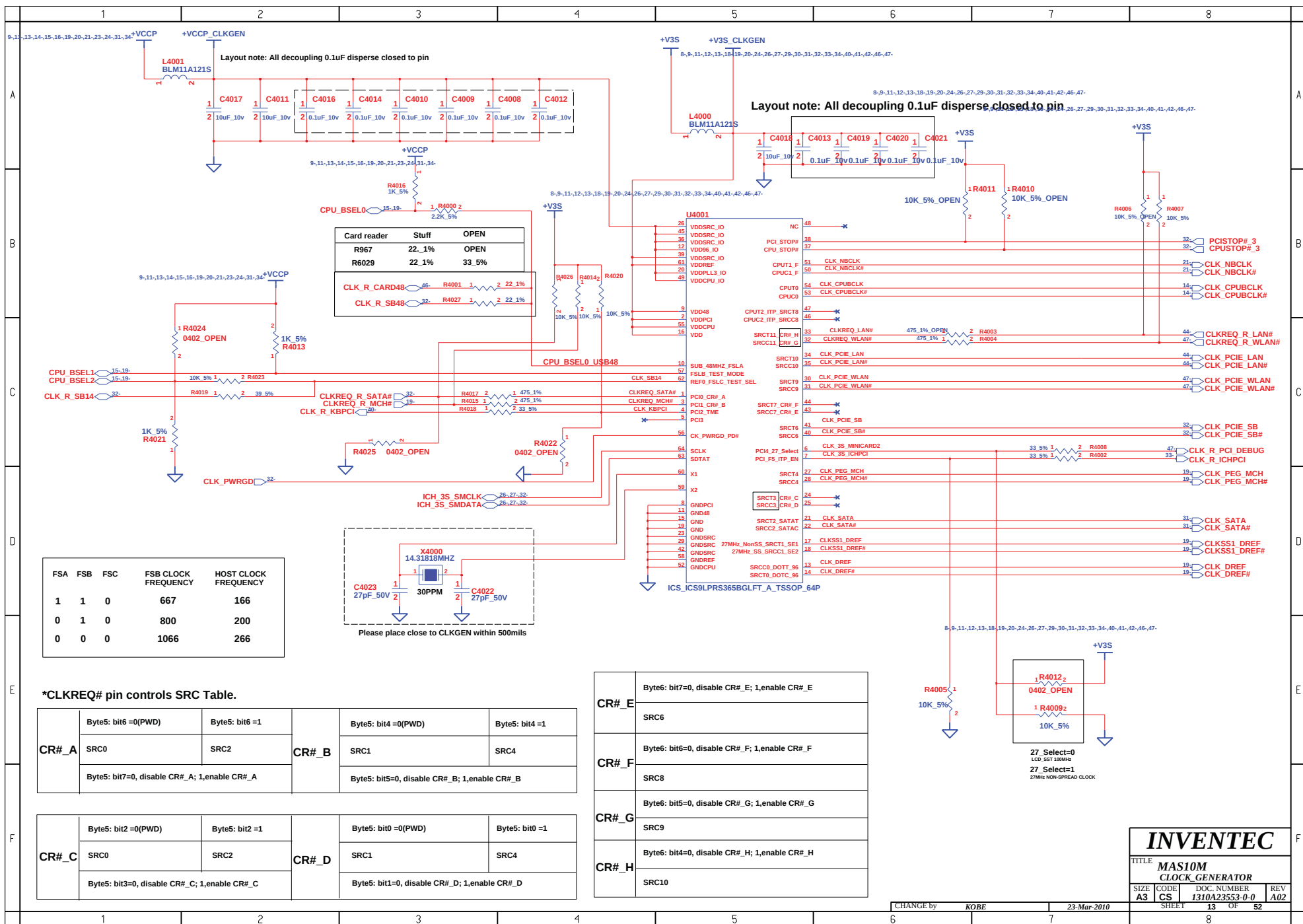


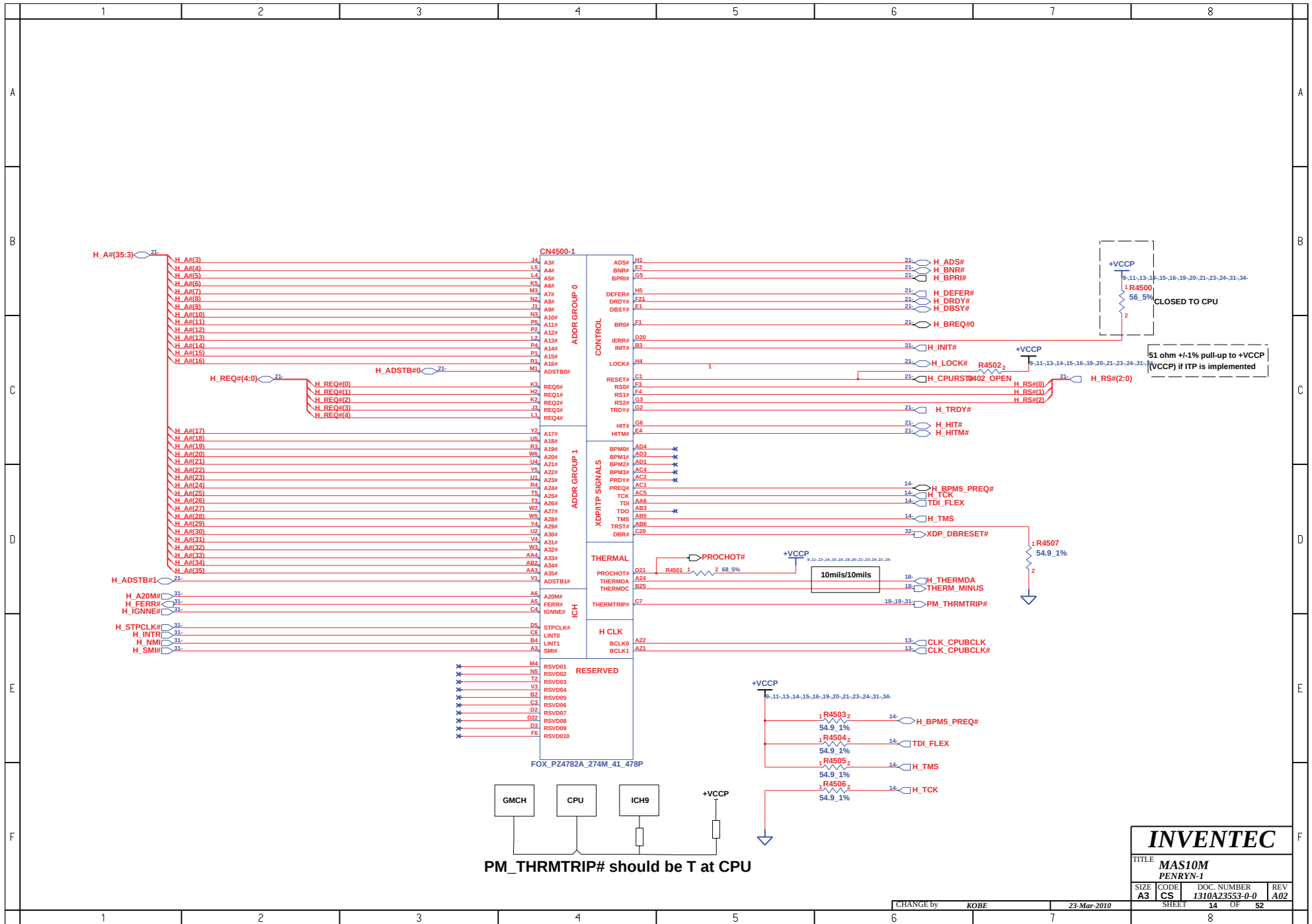
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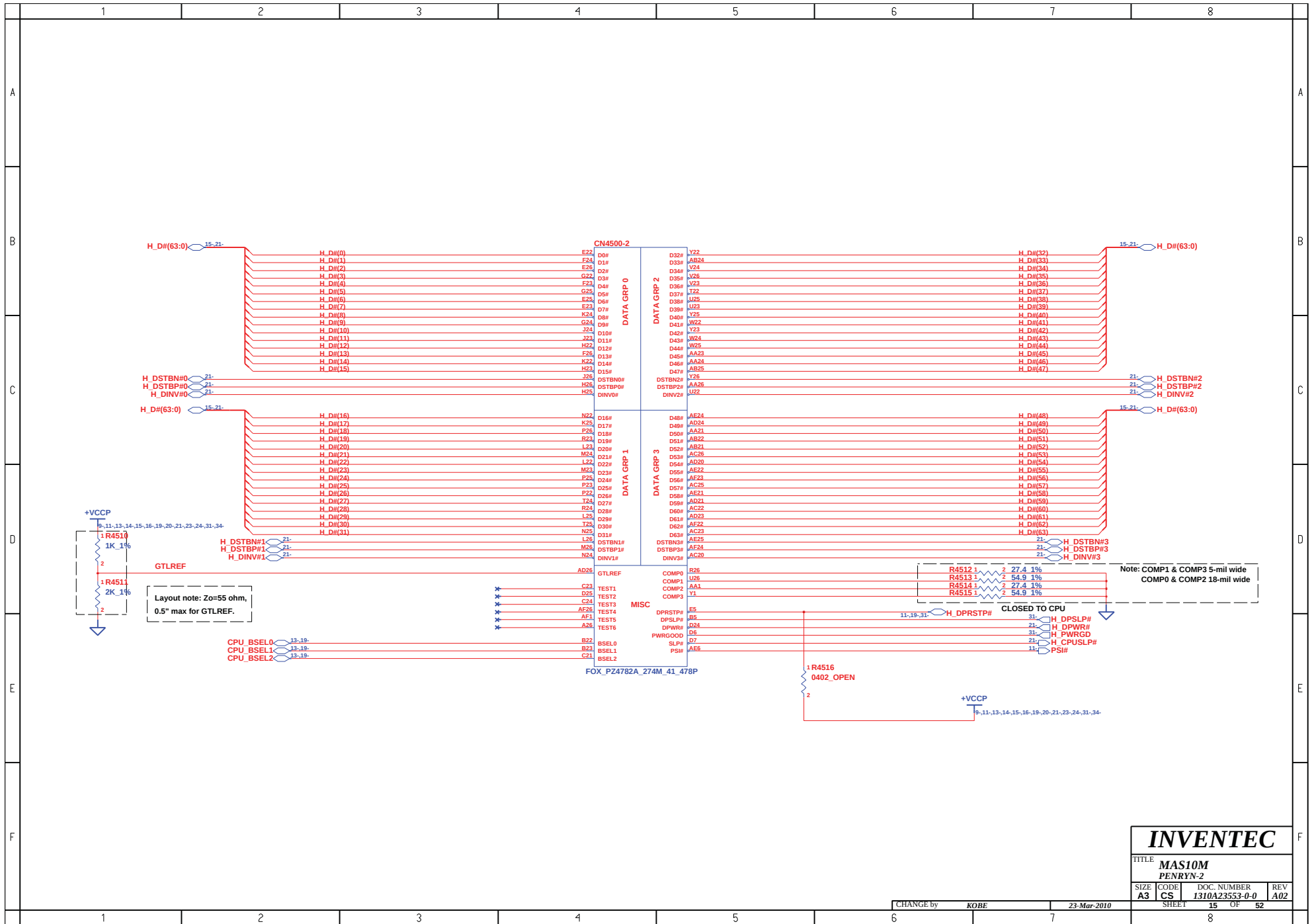
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MAS10M			
POWER(SLEEP)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

CHANGE by KOBE 23-Mar-2010

SHEET 12 OF 52



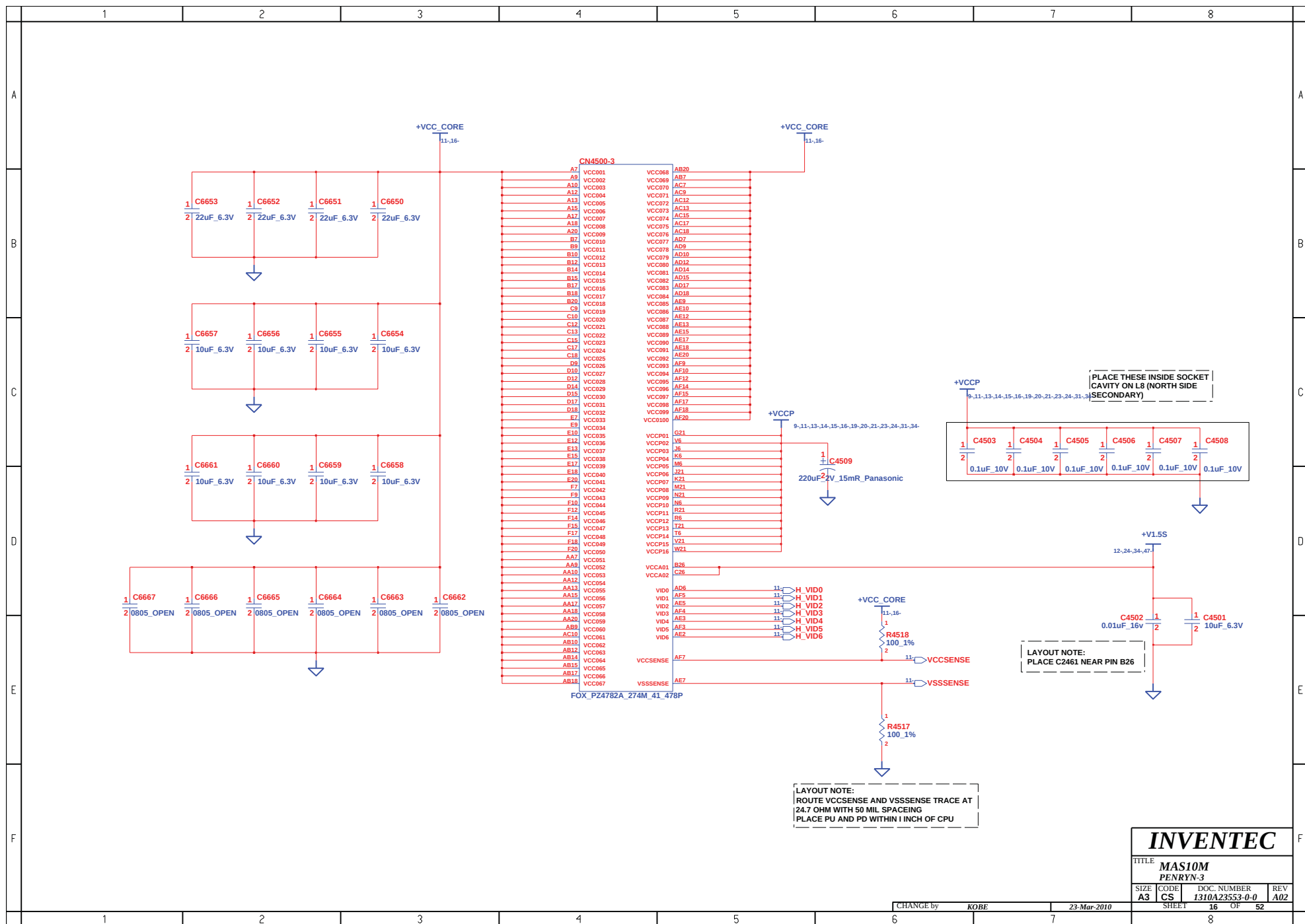




INVENTEC

TITLE			
MAS10M			
PENRYN-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
SHEET		15	OF 52

CHANGE by KOBE 23-Mar-2010



	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	

CN4500-4		
A4	VSS001	VSS082
A8	VSS002	VSS083
A11	VSS003	VSS084
A14	VSS004	VSS085
A16	VSS005	VSS086
A19	VSS006	VSS087
A23	VSS007	VSS088
AF2	VSS008	VSS089
B6	VSS009	VSS090
B8	VSS010	VSS091
B11	VSS011	VSS092
B13	VSS012	VSS093
B16	VSS013	VSS094
B19	VSS014	VSS095
B21	VSS015	VSS096
B24	VSS016	VSS097
C5	VSS017	VSS098
C8	VSS018	VSS099
C11	VSS019	VSS100
C14	VSS020	VSS101
C16	VSS021	VSS102
C19	VSS022	VSS103
C2	VSS023	VSS104
C22	VSS024	VSS105
C25	VSS025	VSS106
D1	VSS026	VSS107
D4	VSS027	VSS108
D8	VSS028	VSS109
D11	VSS029	VSS110
D14	VSS030	VSS111
D16	VSS031	VSS112
D19	VSS032	VSS113
D23	VSS033	VSS114
D26	VSS034	VSS115
E1	VSS035	VSS116
E6	VSS036	VSS117
E8	VSS037	VSS118
E11	VSS038	VSS119
E14	VSS039	VSS120
E16	VSS040	VSS121
E19	VSS041	VSS122
E21	VSS042	VSS123
E24	VSS043	VSS124
F5	VSS044	VSS125
F8	VSS045	VSS126
F11	VSS046	VSS127
F13	VSS047	VSS128
F16	VSS048	VSS129
F19	VSS049	VSS130
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F25	VSS052	VSS133
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G1	VSS054	VSS135
G23	VSS055	VSS136
G26	VSS056	VSS137
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H6	VSS058	VSS139
H21	VSS059	VSS140
H24	VSS060	VSS141
J2	VSS061	VSS142
J5	VSS062	VSS143
J22	VSS063	VSS144
J25	VSS064	VSS145
K1	VSS065	VSS146
K4	VSS066	VSS147
K23	VSS067	VSS148
K26	VSS068	VSS149
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N4	VSS078	VSS159
N23	VSS079	VSS160
N26	VSS080	VSS161
P1	VSS081	VSS162
P6		VSS163
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P24		
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R5		
R22		
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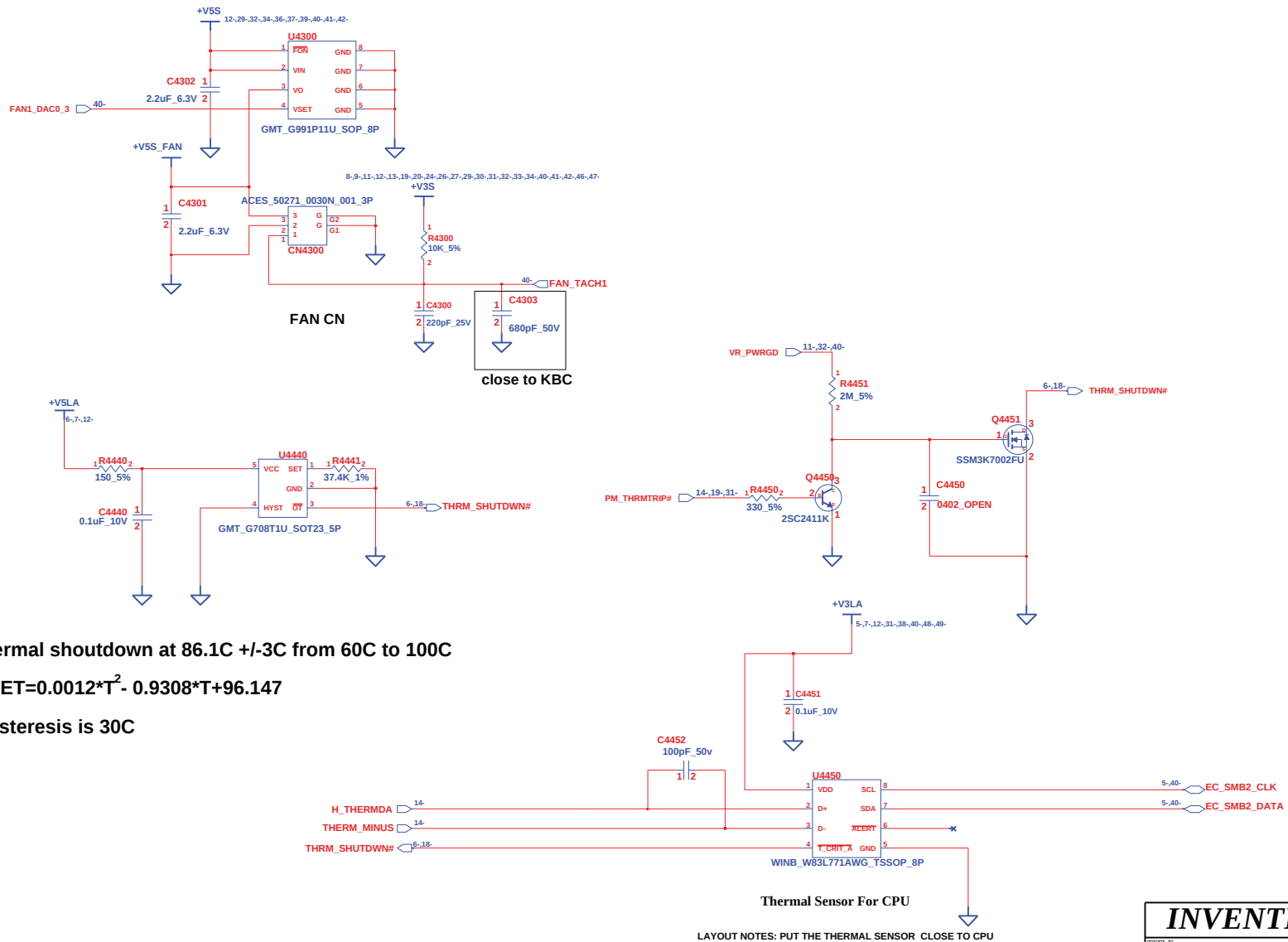
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TITLE
MAS10M
PENRYN-4

SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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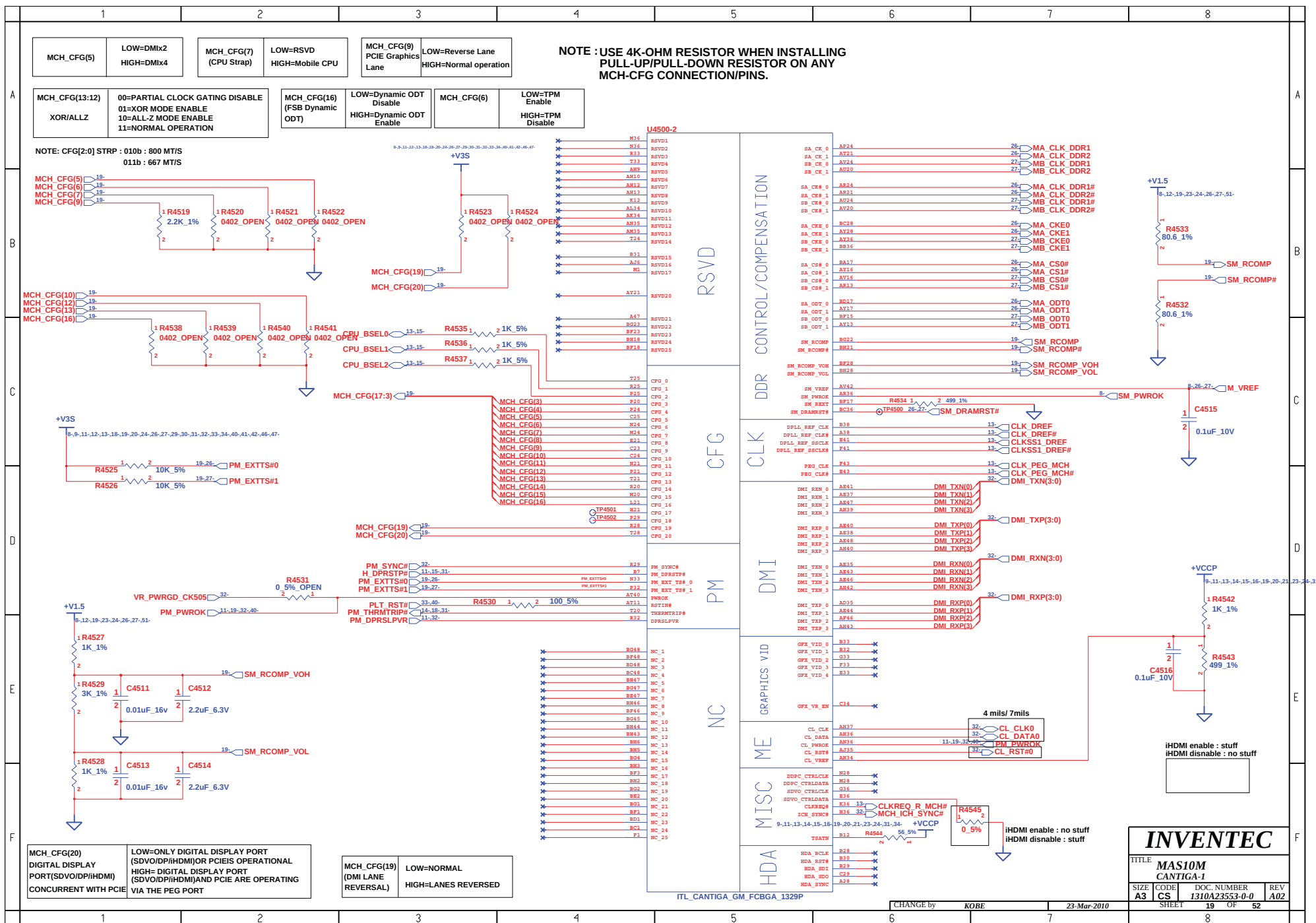
CHANGE by **KOBE** 23-Mar-2010

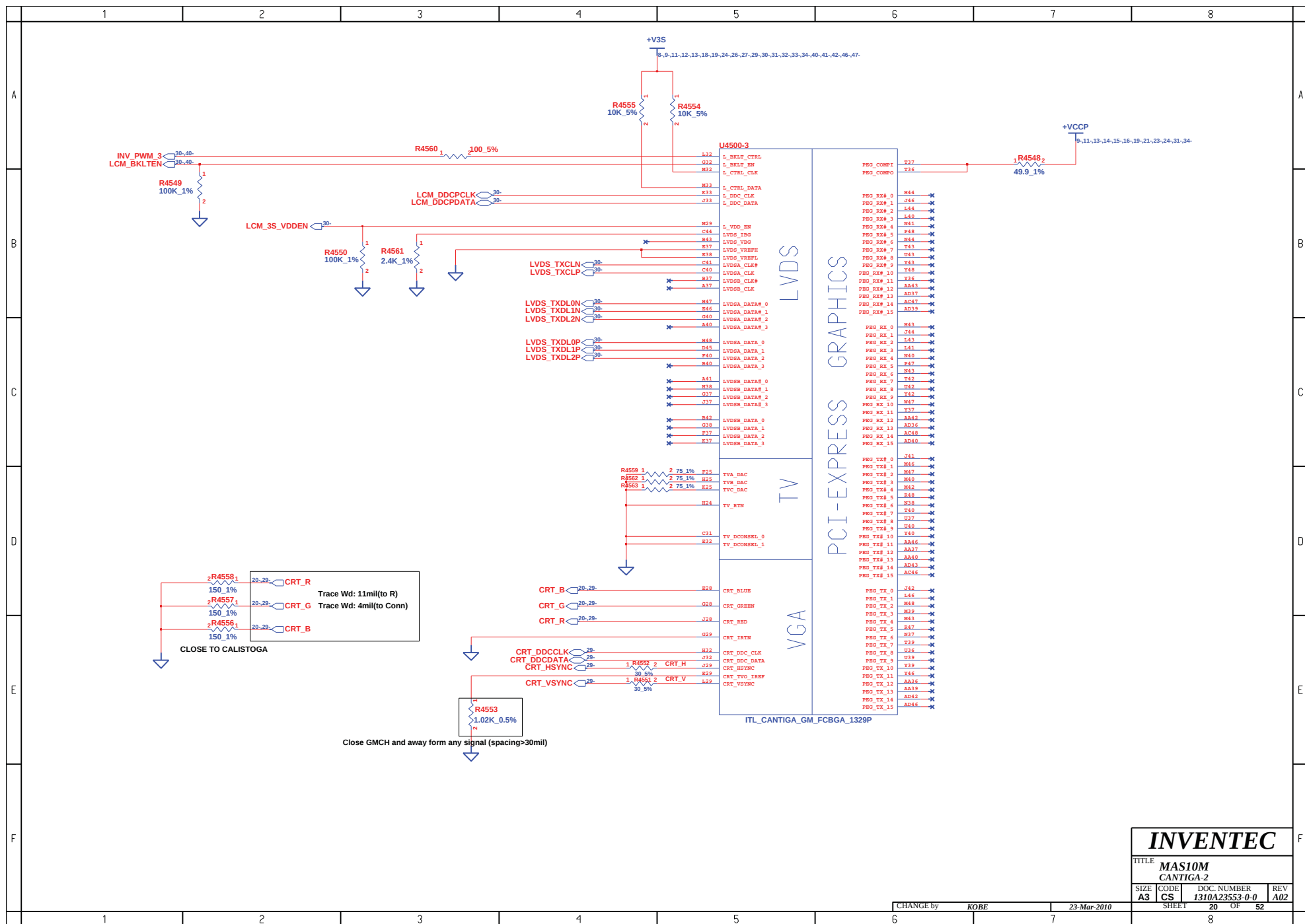
SHEET 17 OF 52

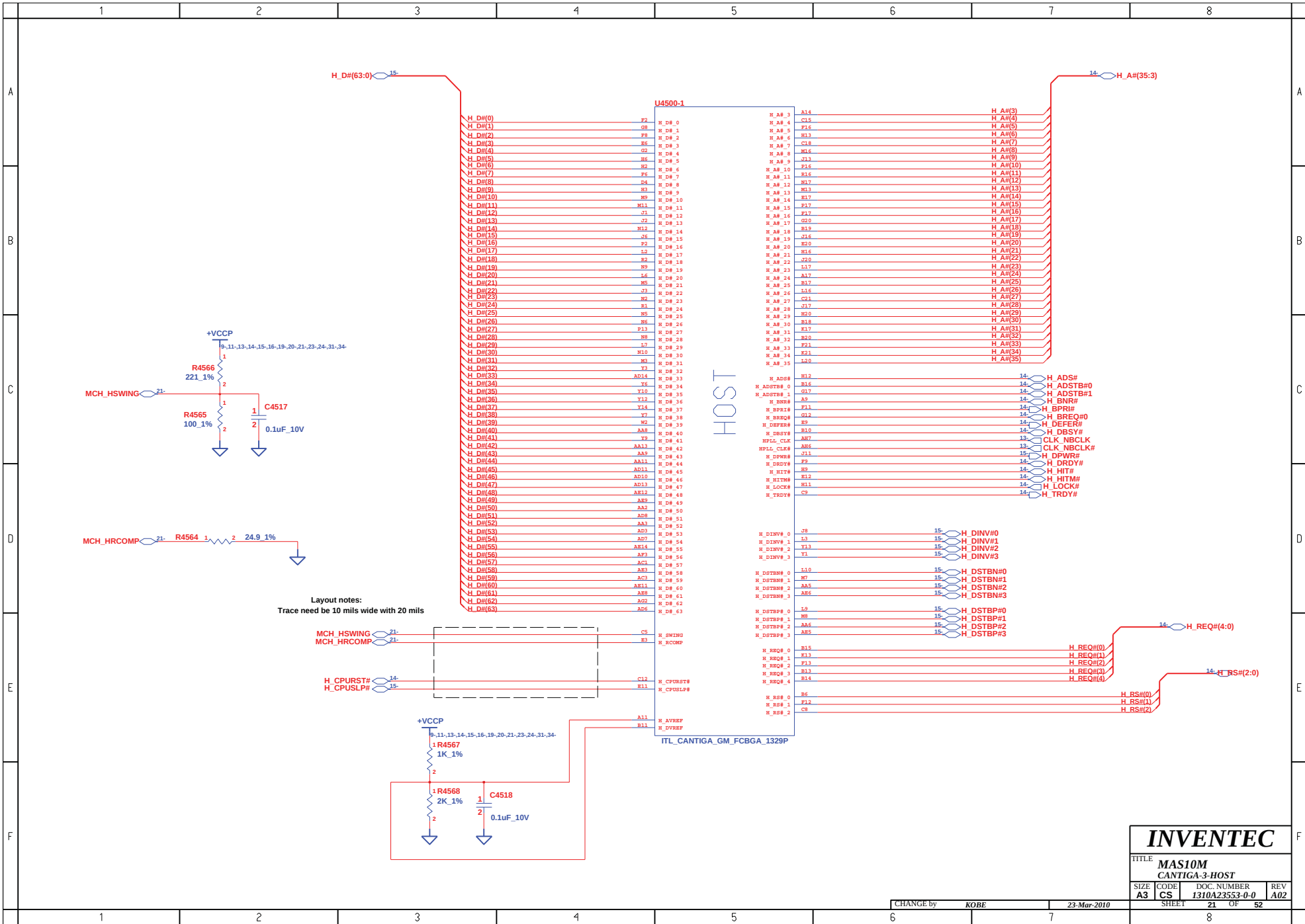


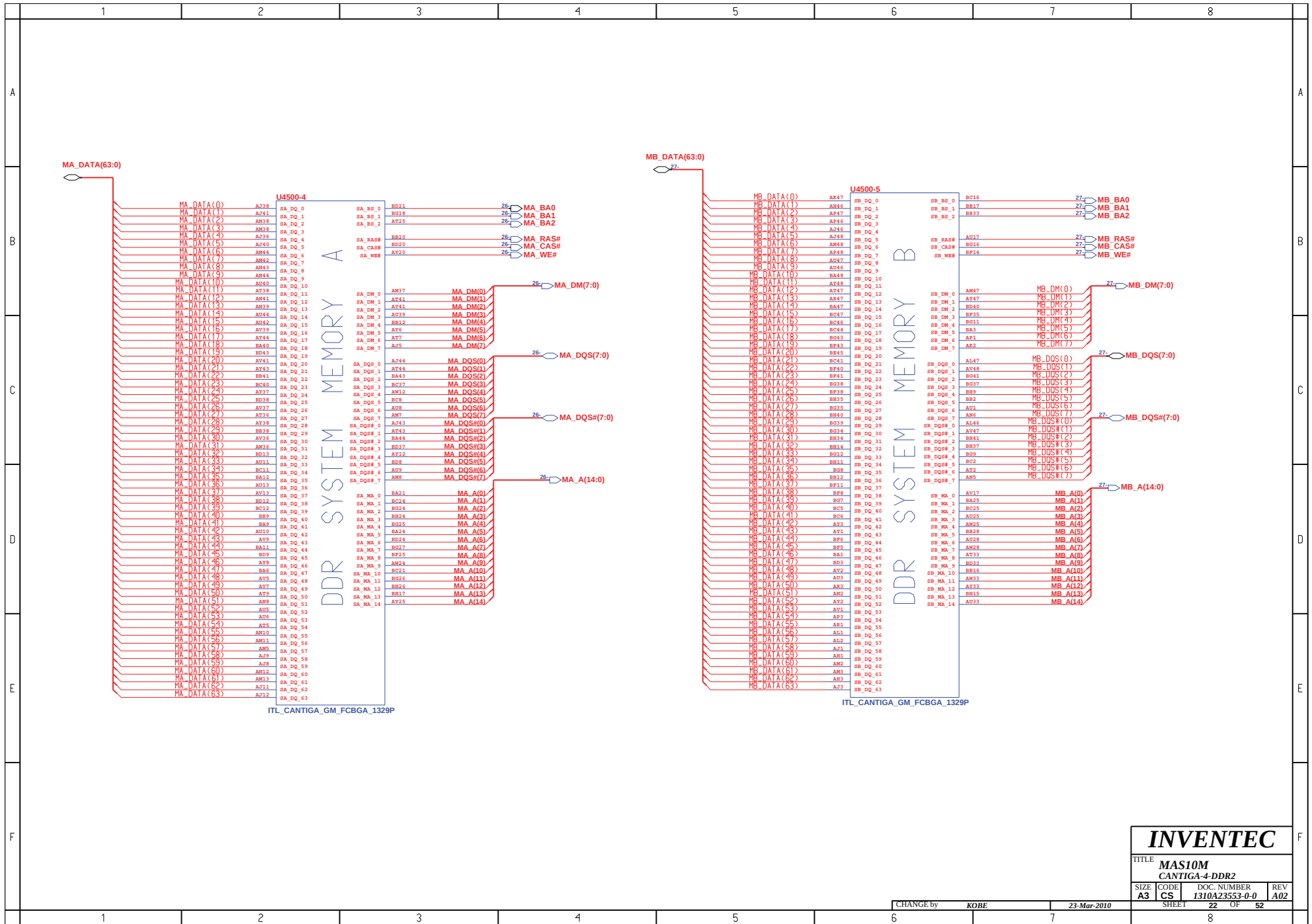
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MAS10M			
THERMAL&FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
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CHANGE by KOBE 23-Mar-2010





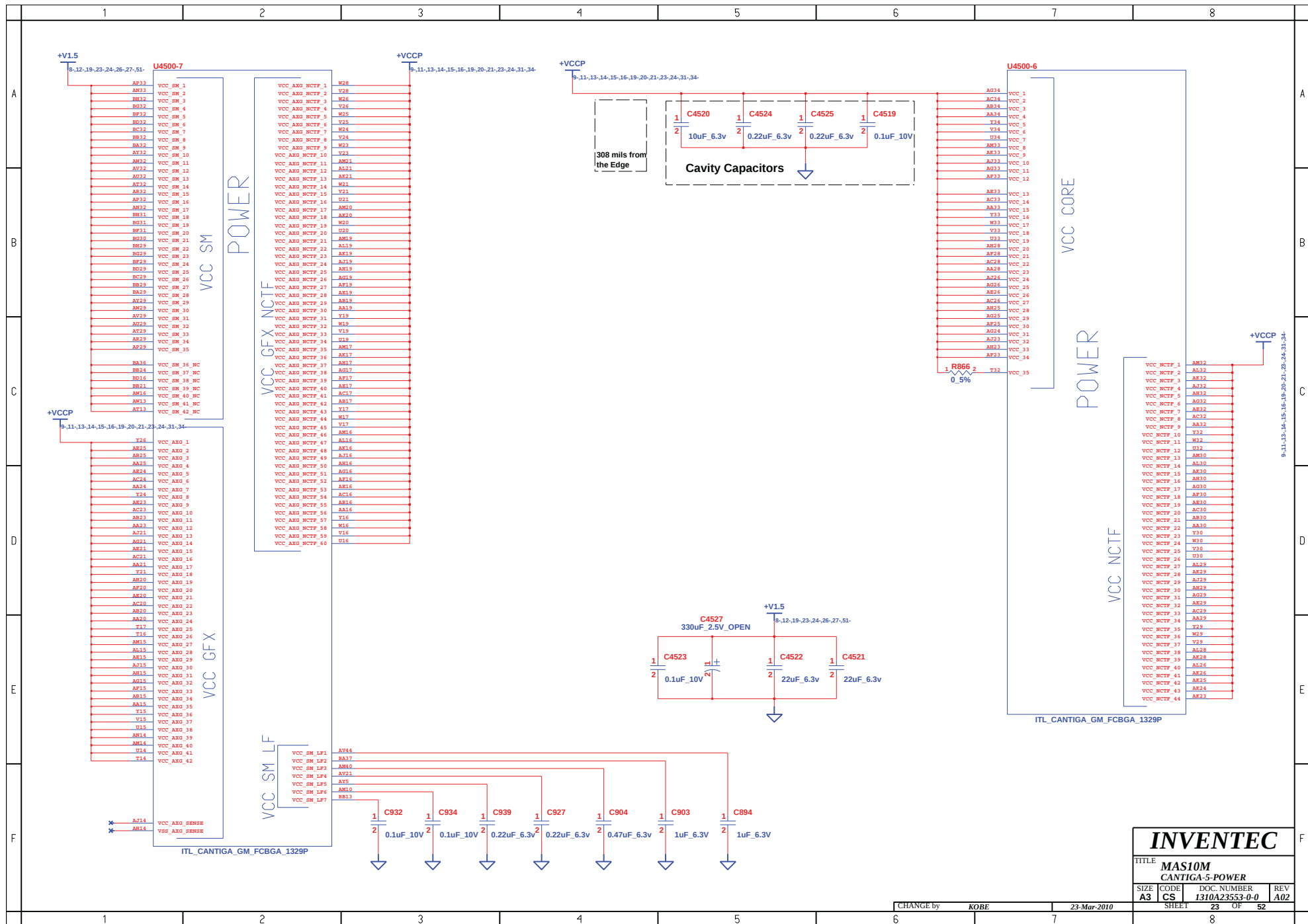




INVENTEC

TITLE		
MAS10M CANTIGA-4-DDR2		
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SHEET		REV
22		A02

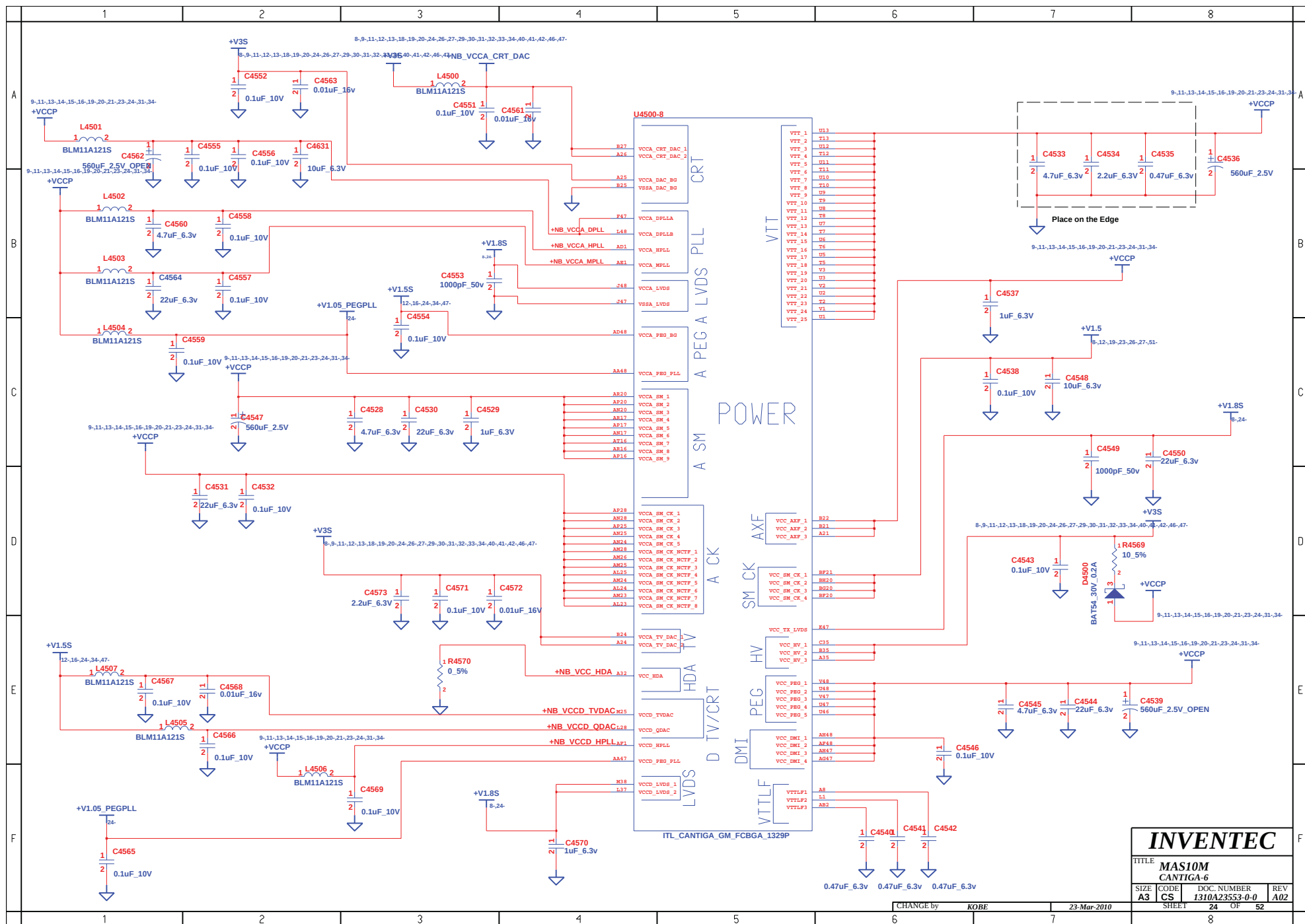
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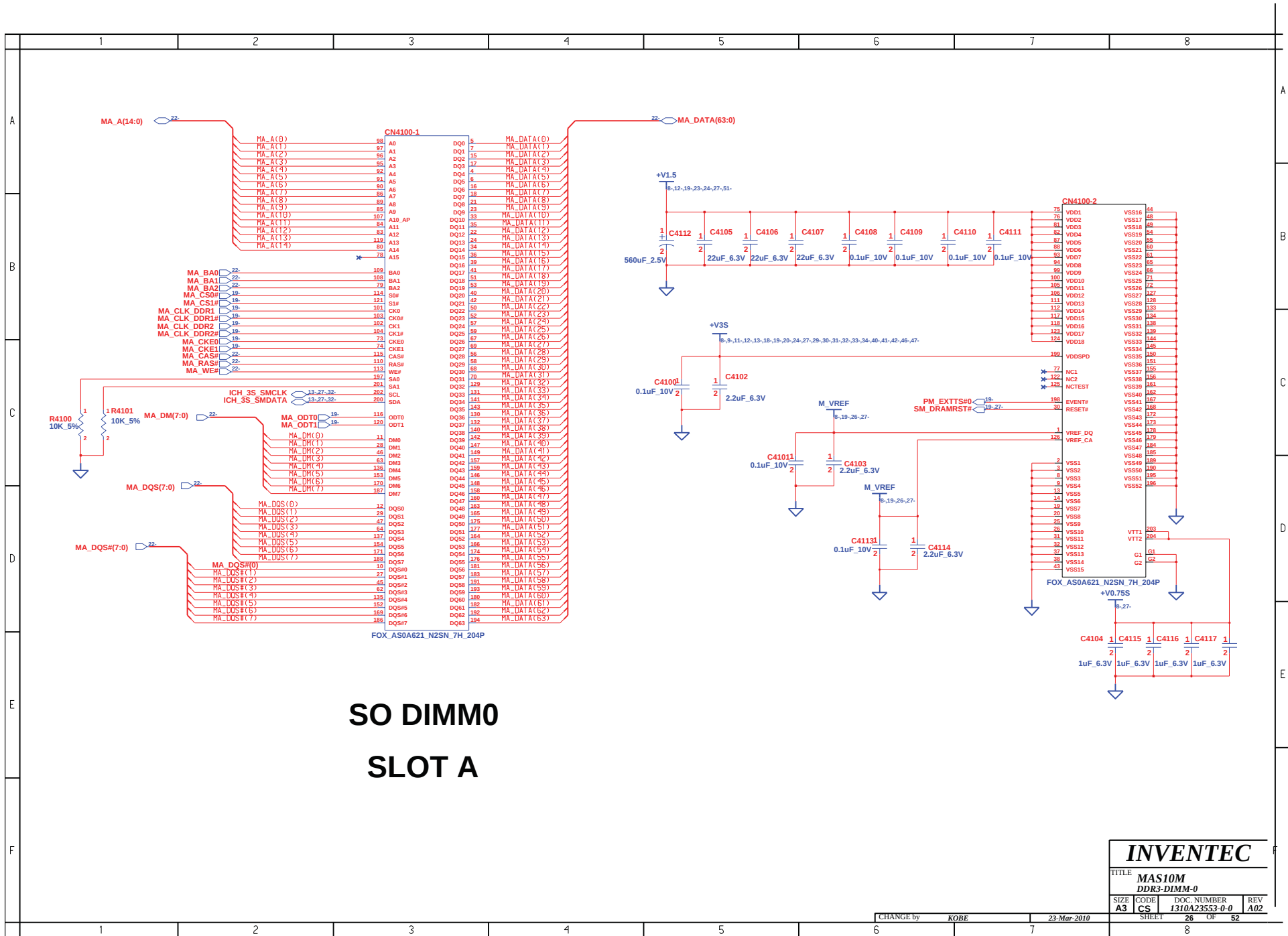
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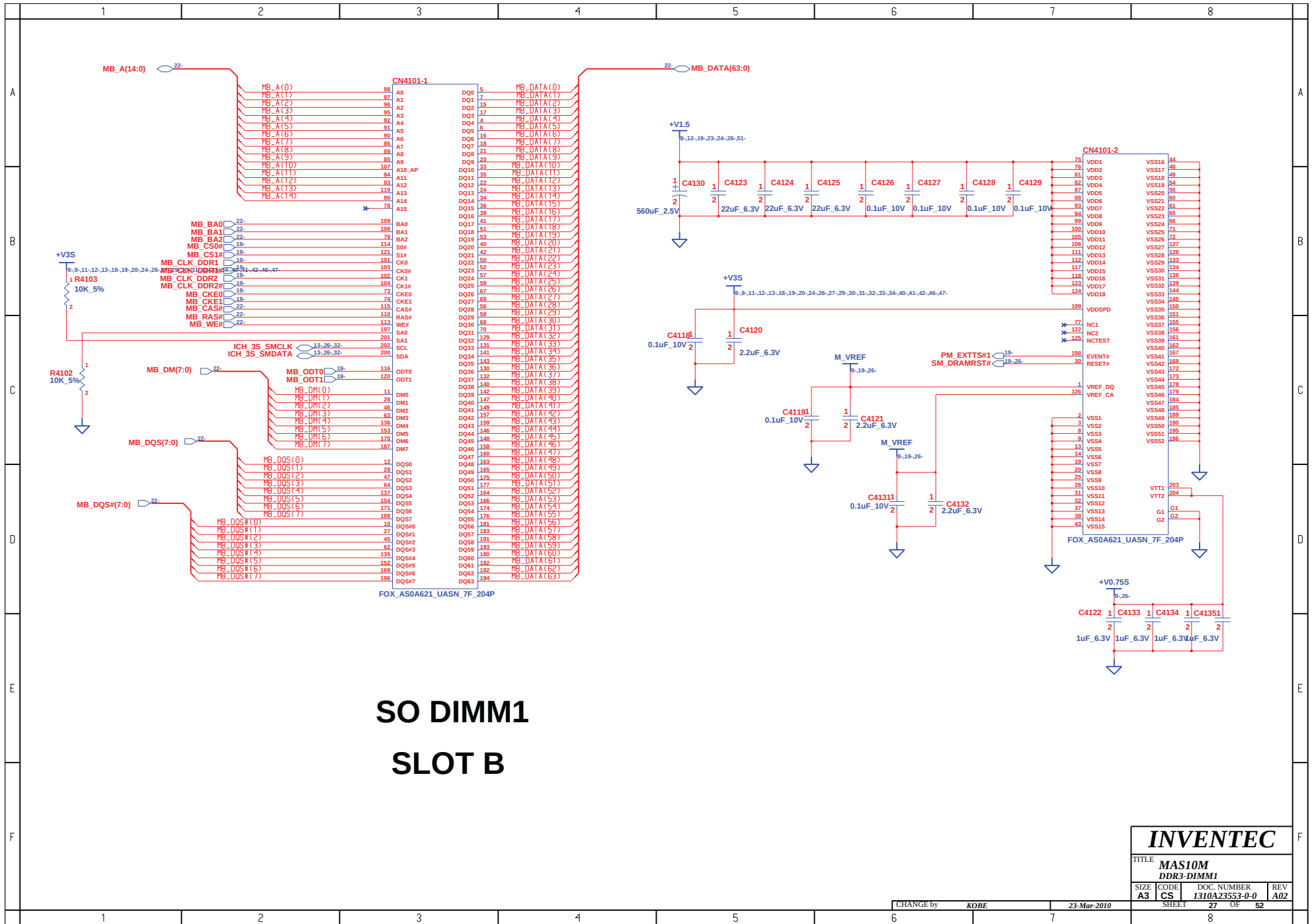
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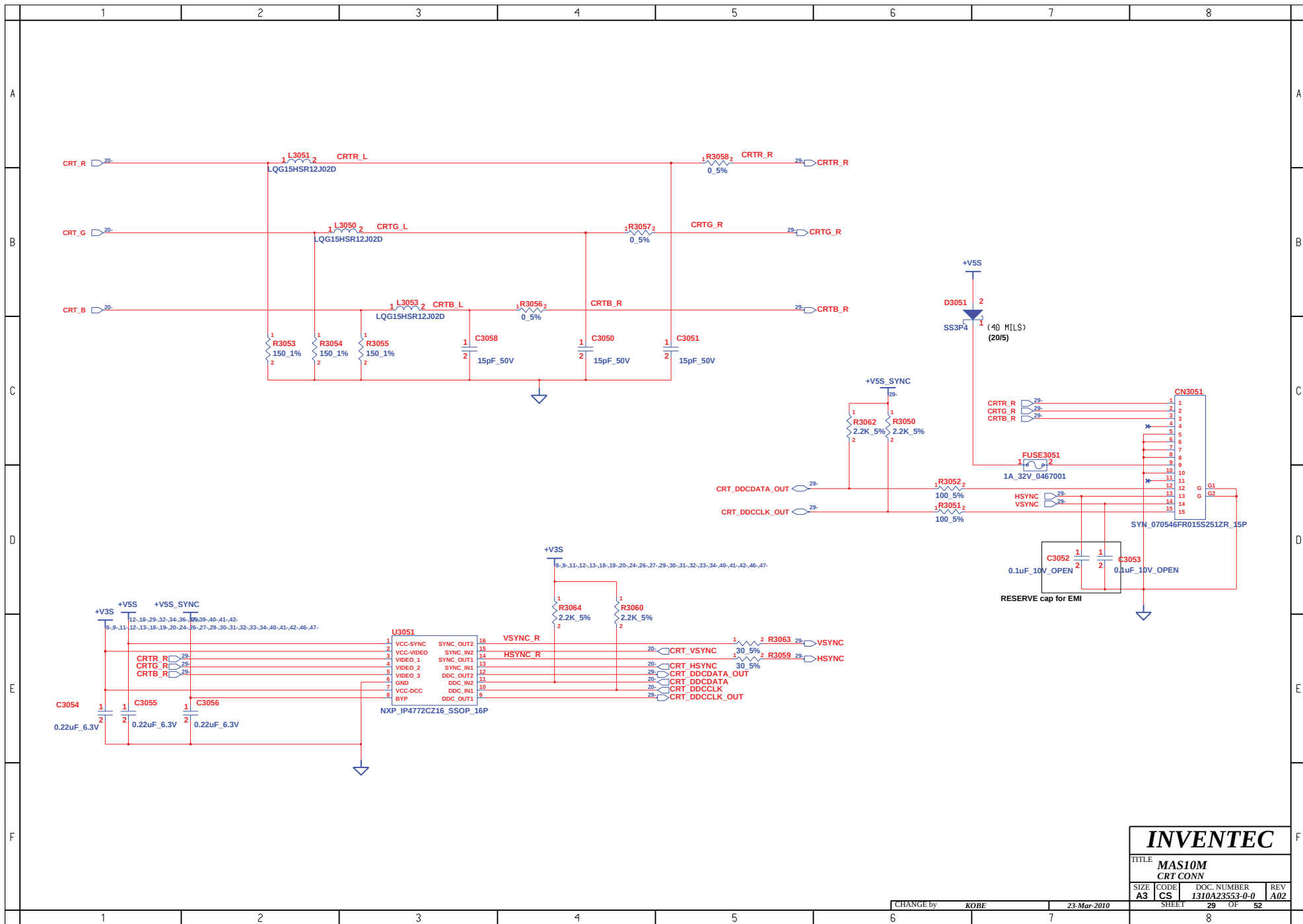
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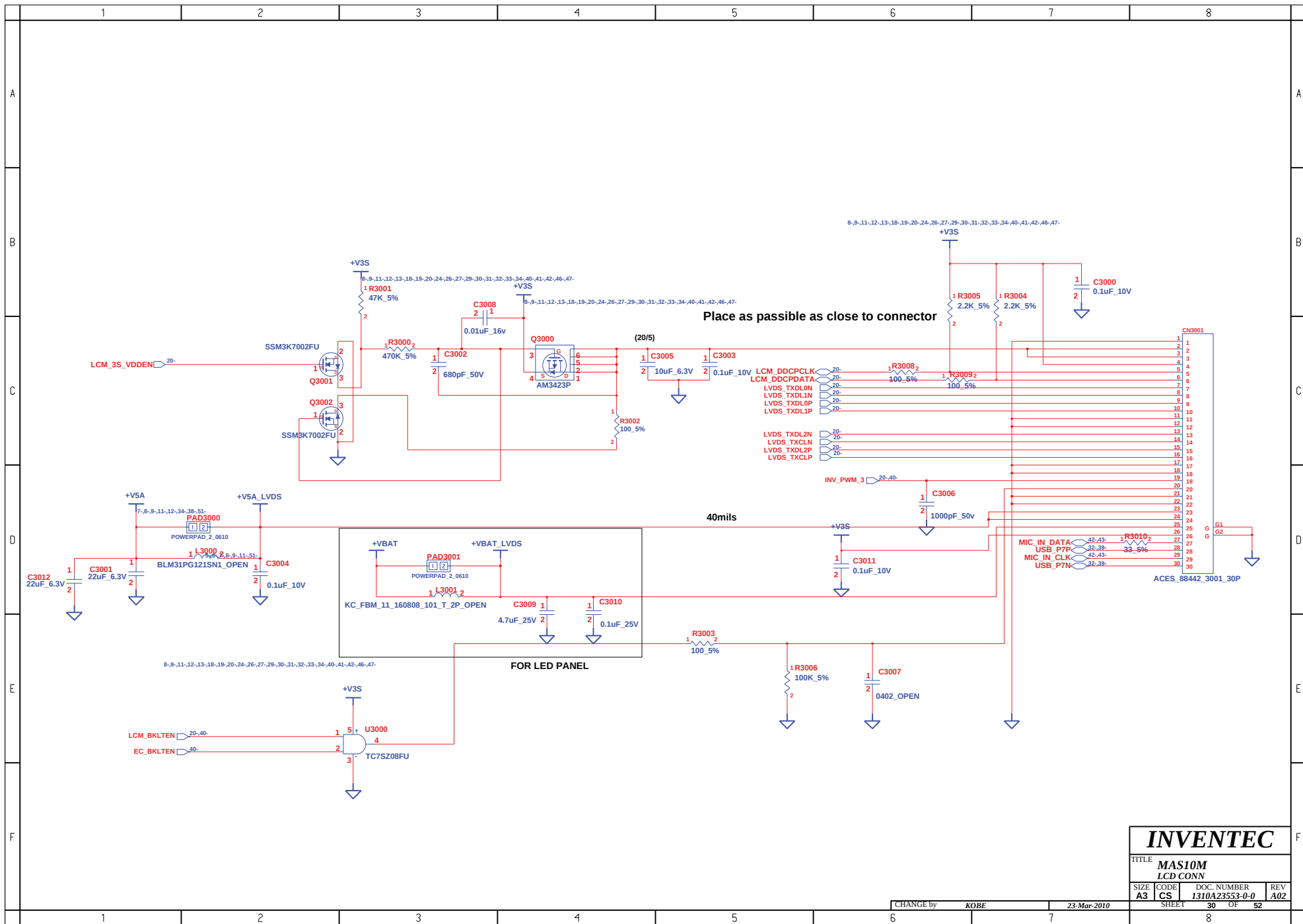


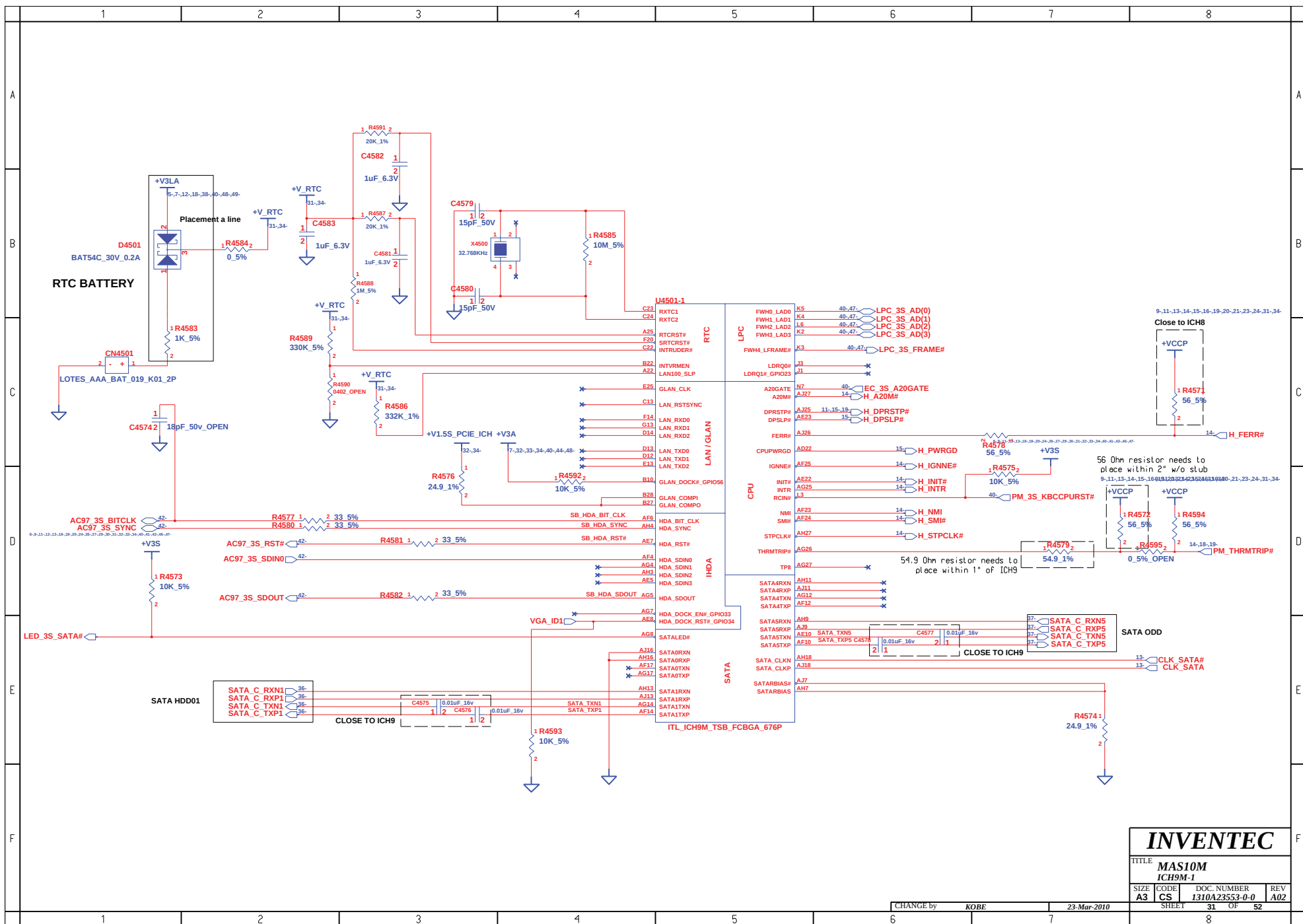


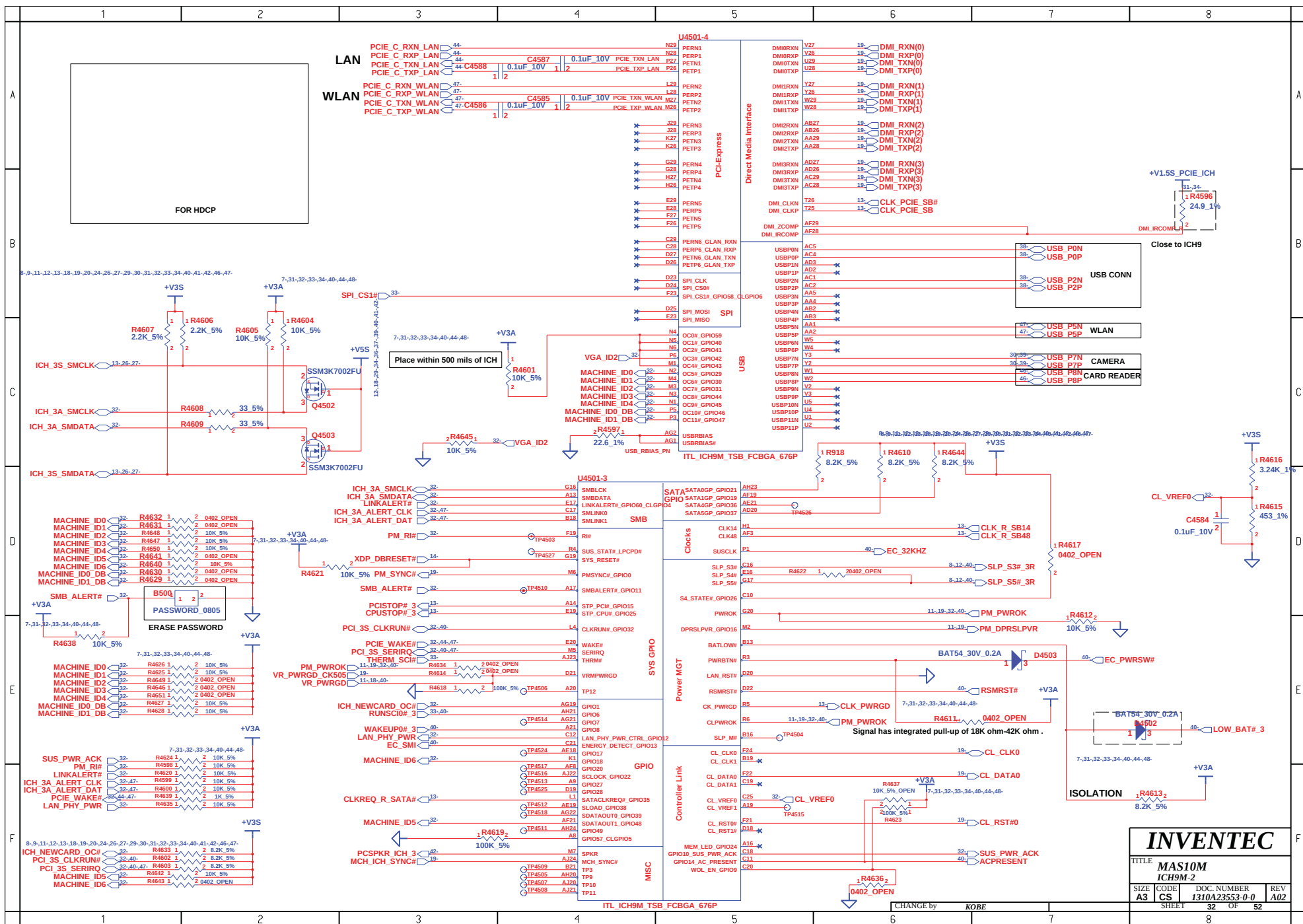
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D									D
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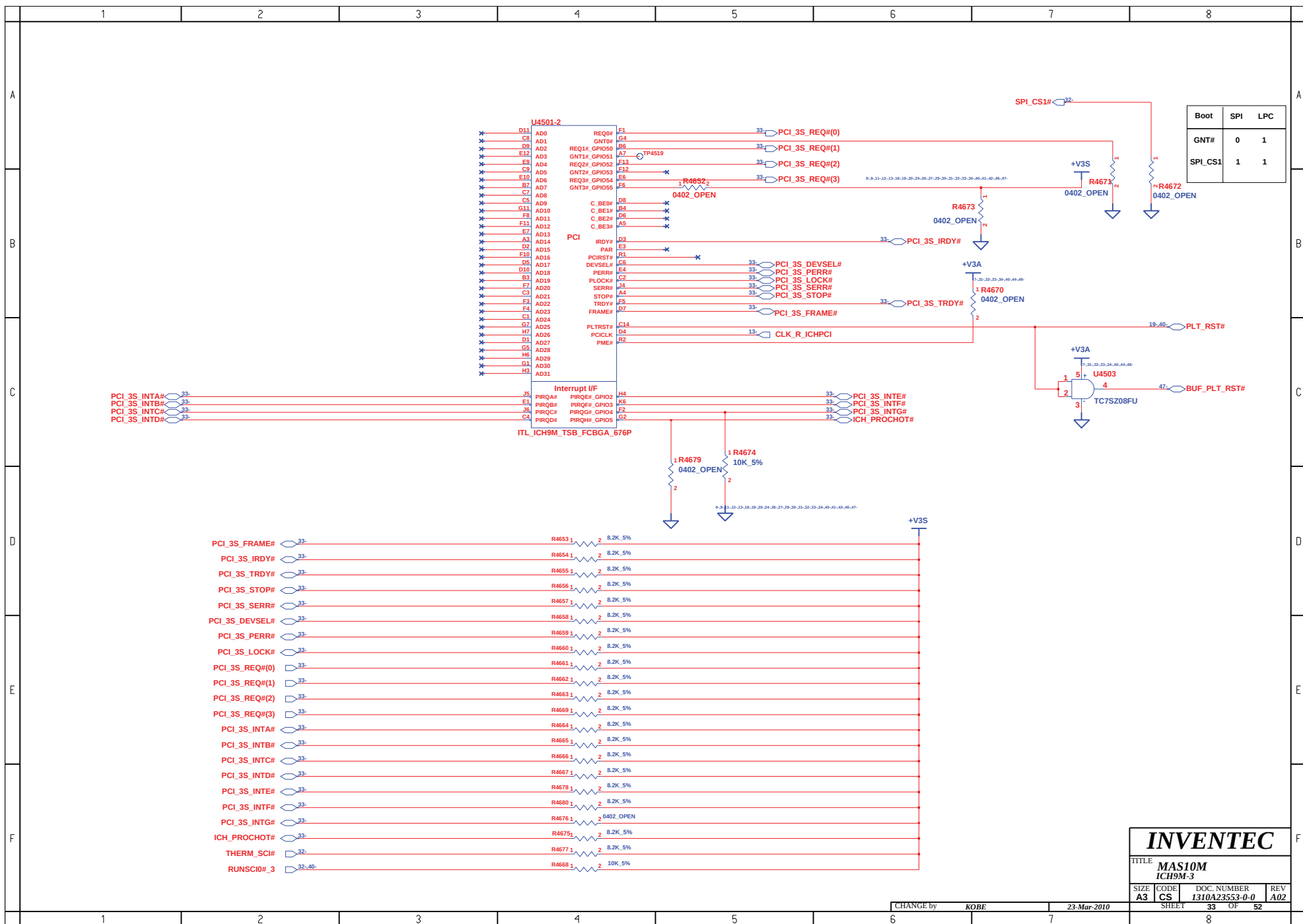
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TITLE MAS10M BLANK			
SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
CHANGE by KOBE		27-Sep-2003	
SHEET 28		OF 52	

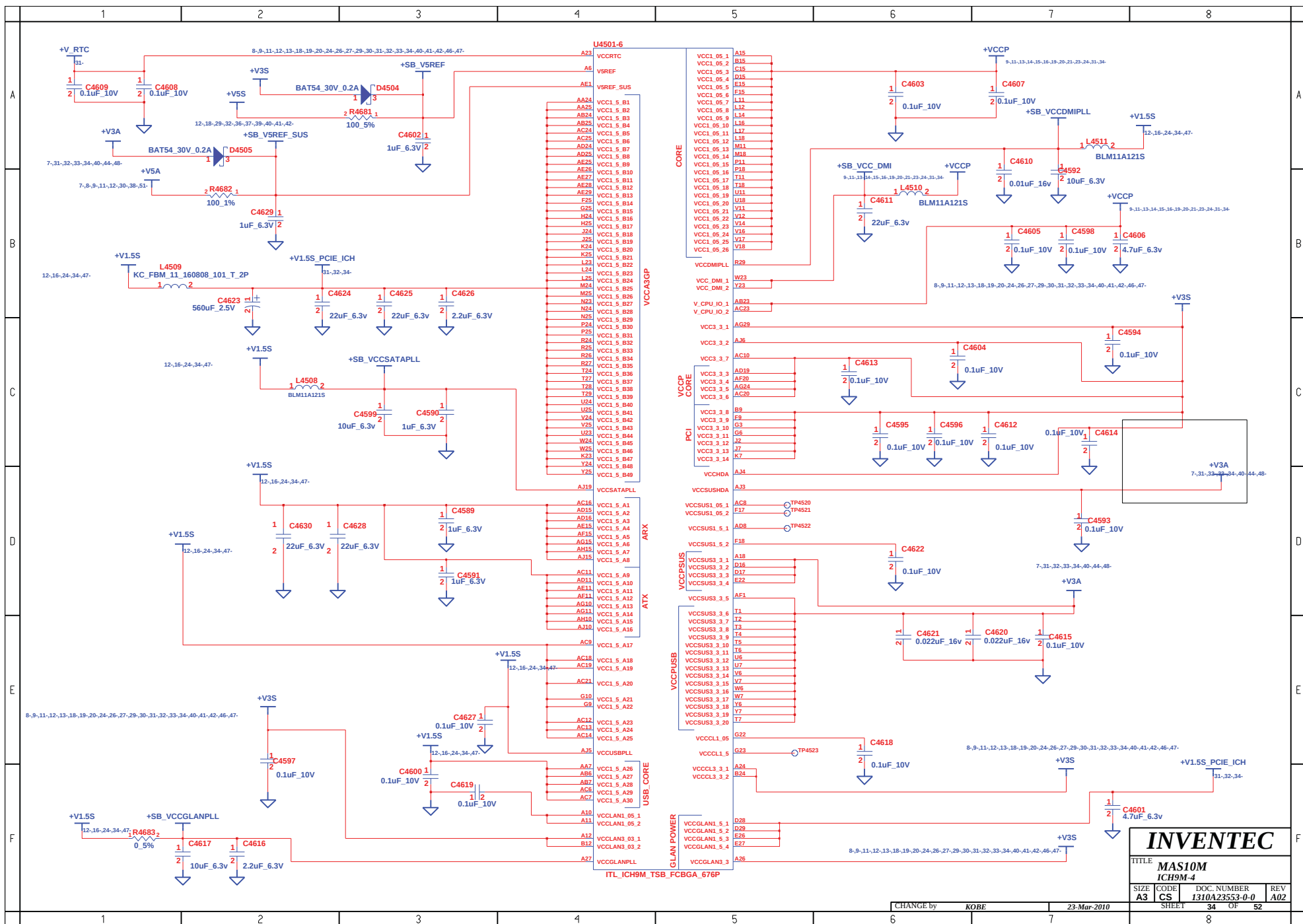








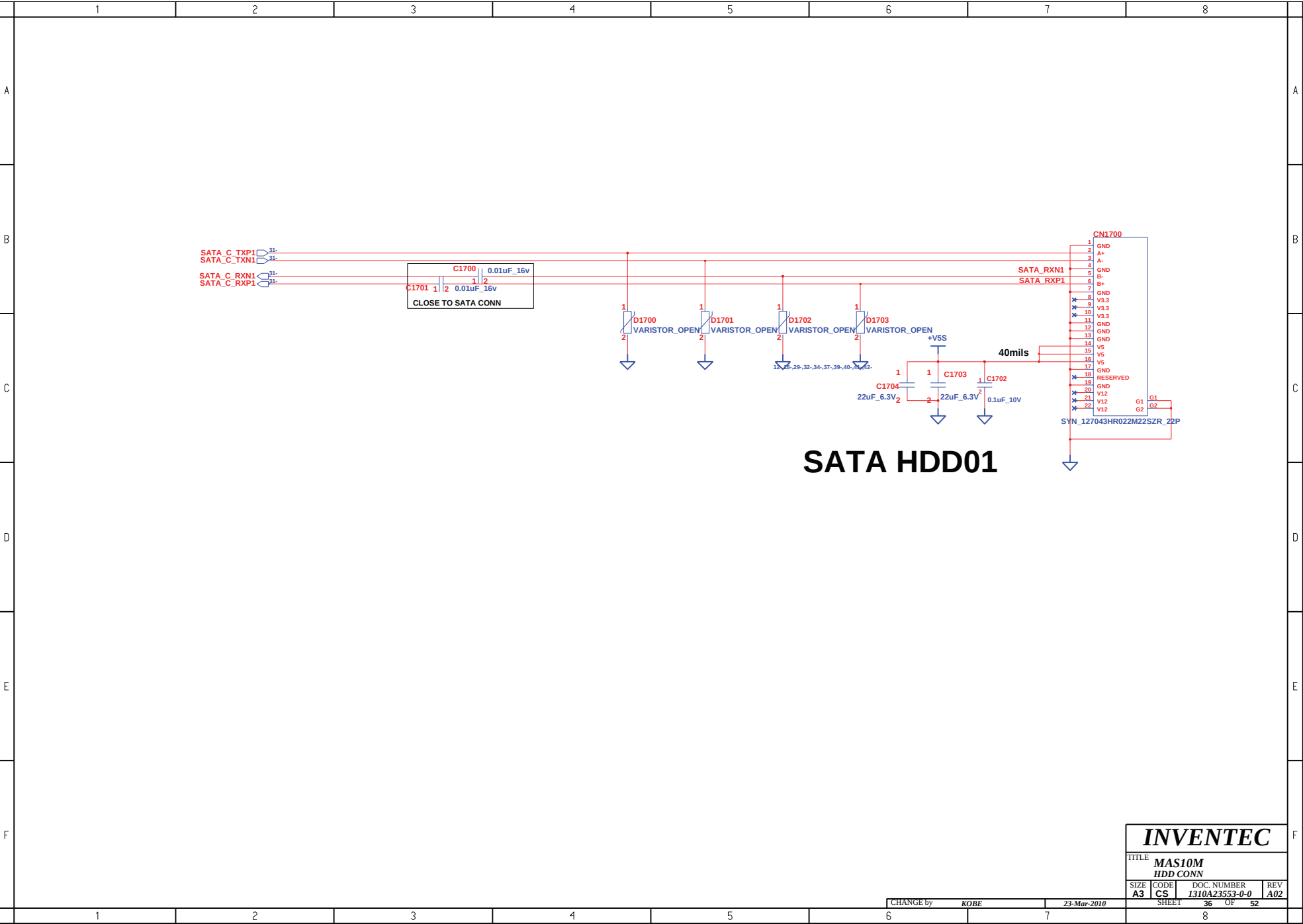




	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								

TITLE			
MAS10M			
ICH9M-5			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
SHEET		35	OF 52

CHANGE by	KOBE	23-Mar-2010
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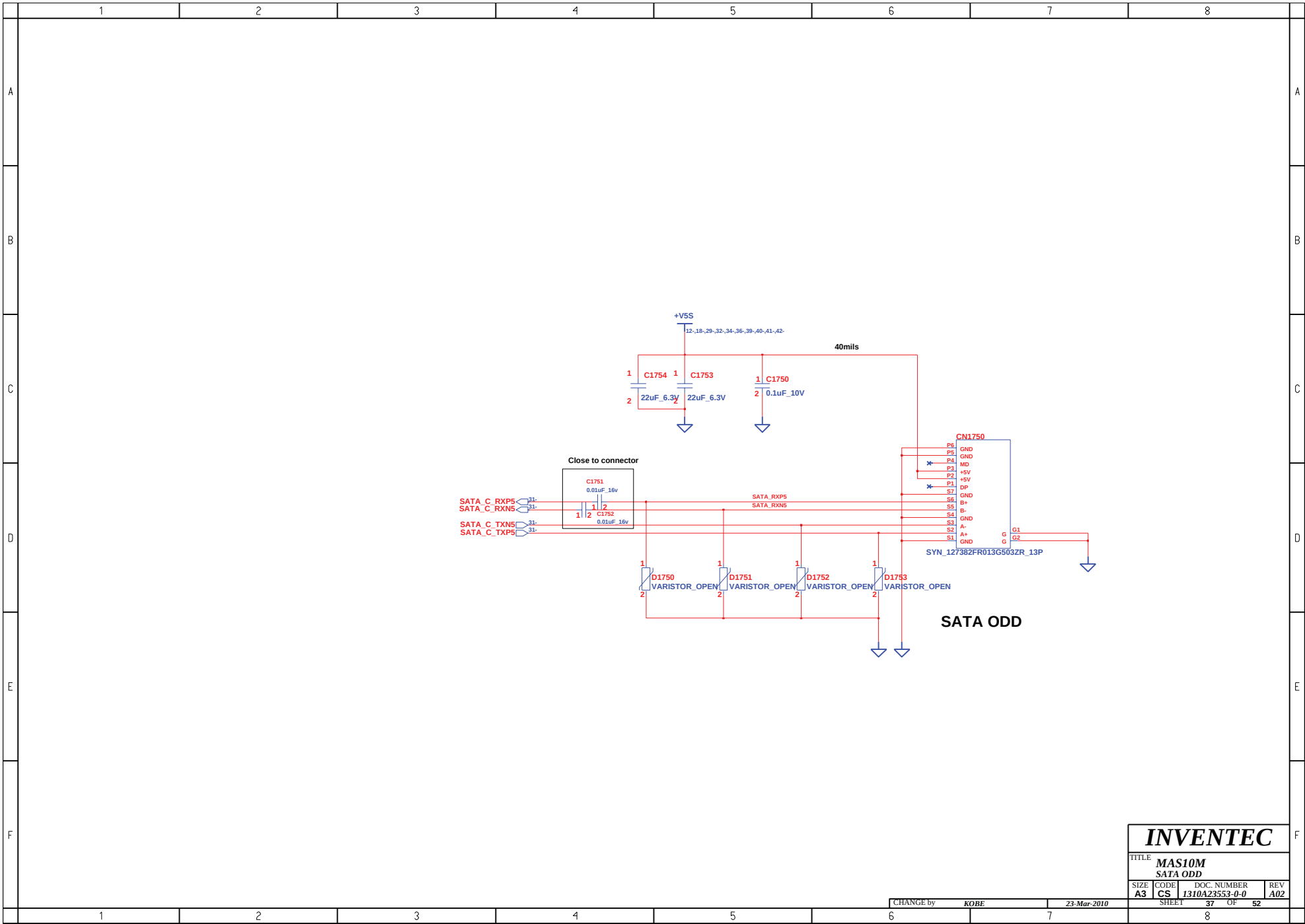
INVENTEC

TITLE
**MAS10M
HDD CONN**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

CHANGE by **KOBE** 23-Mar-2010

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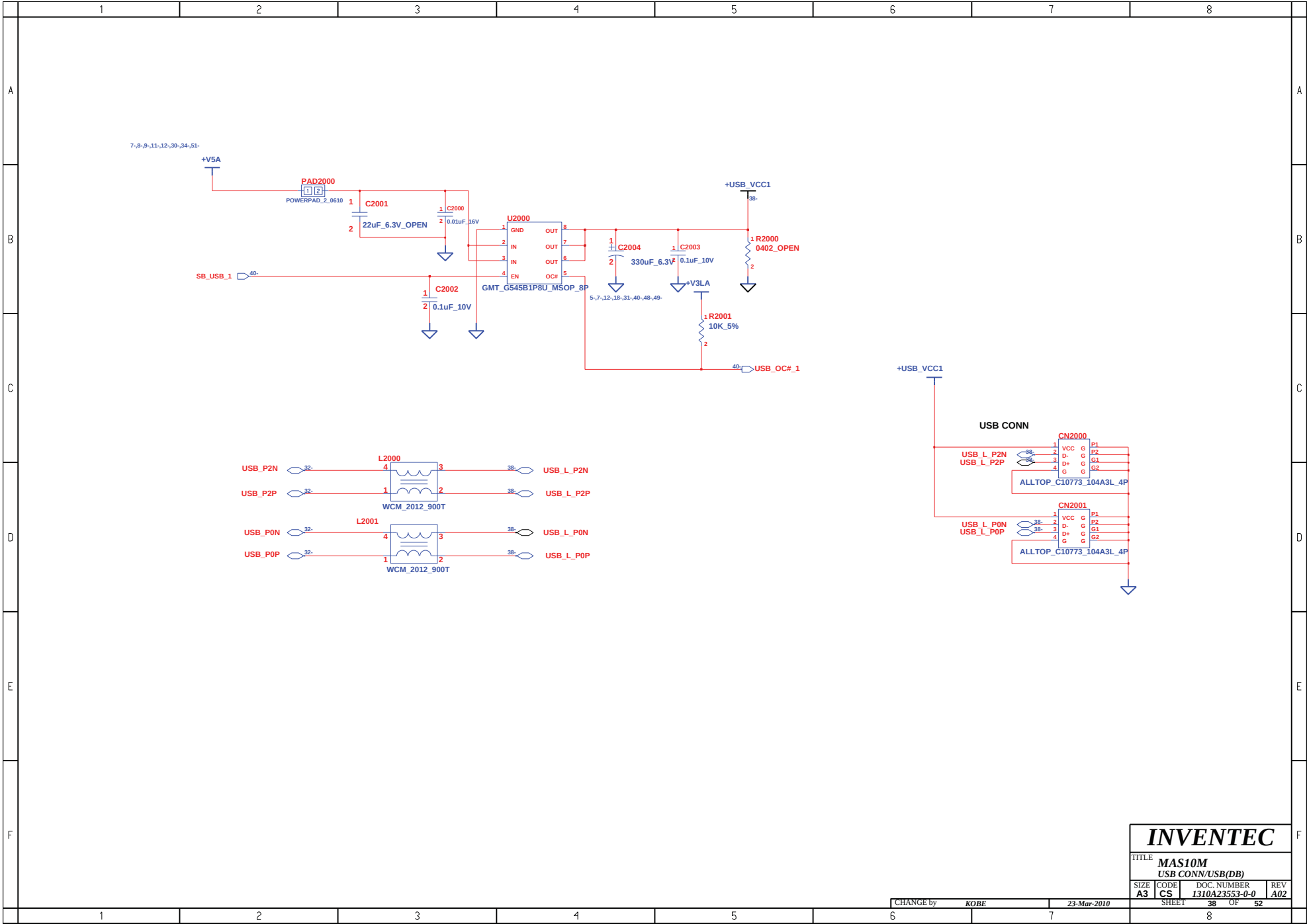
INVENTEC

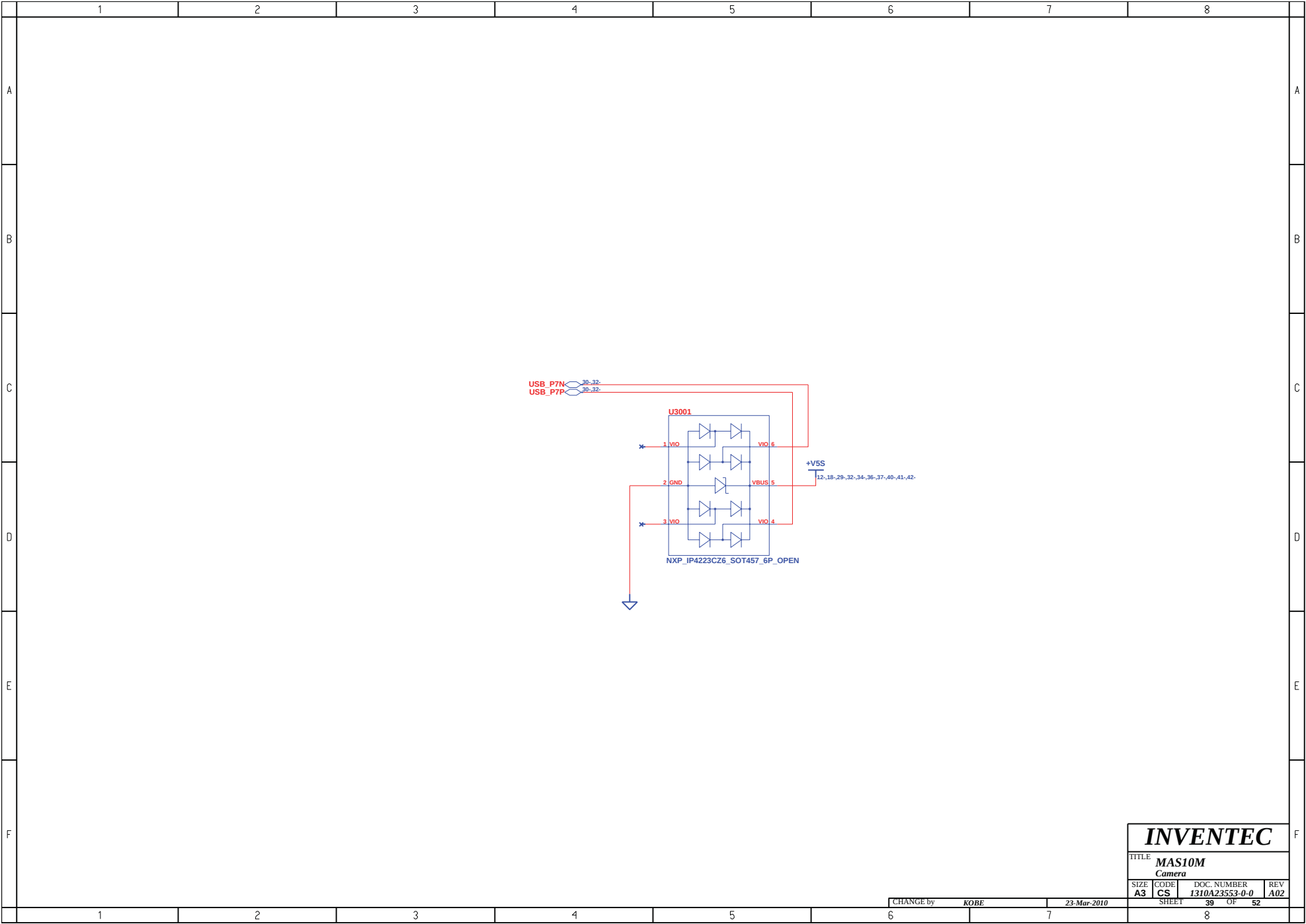
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**MAS10M
SATA ODD**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

CHANGE by ROBE 23-Mar-2010

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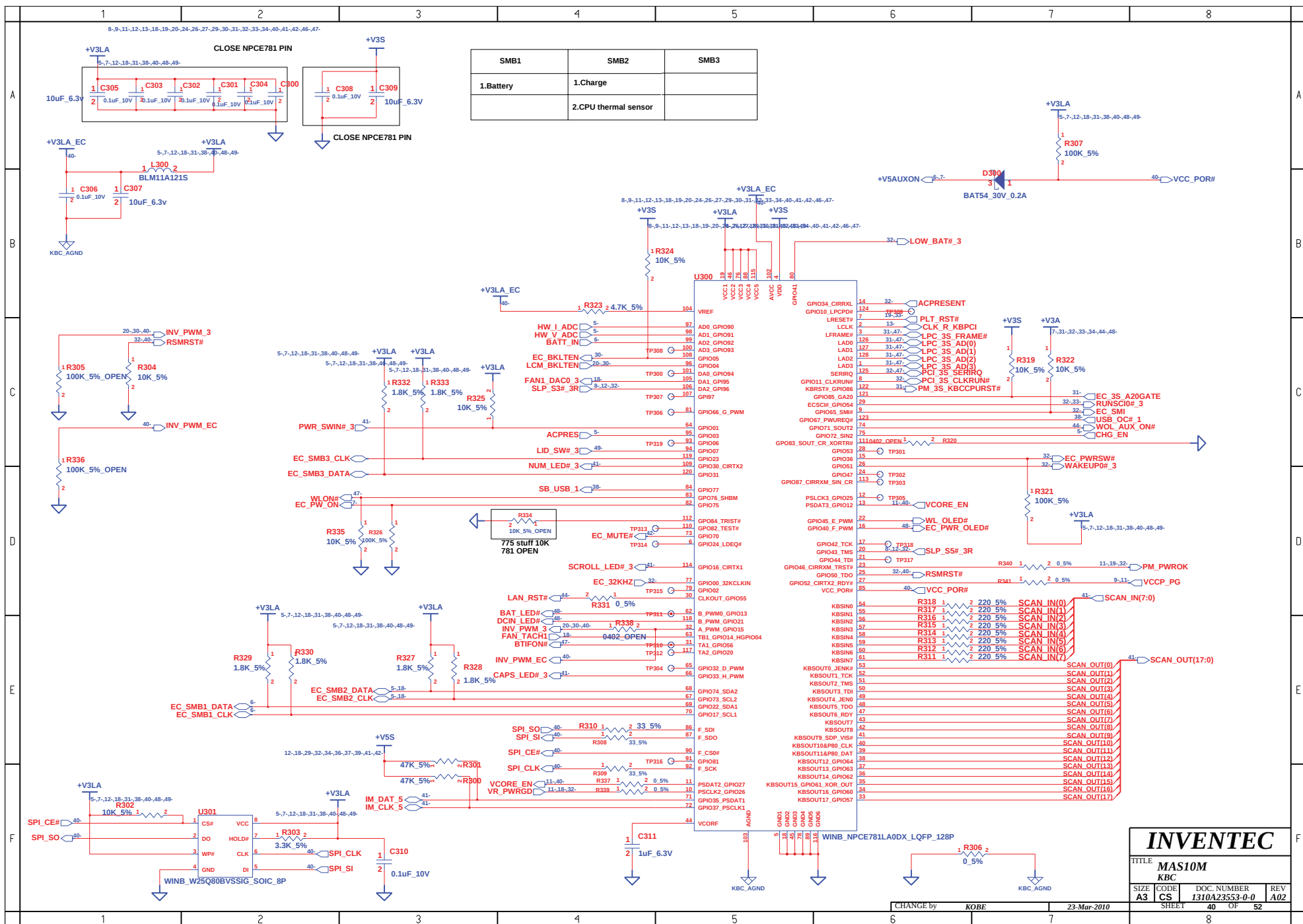
INVENTEC

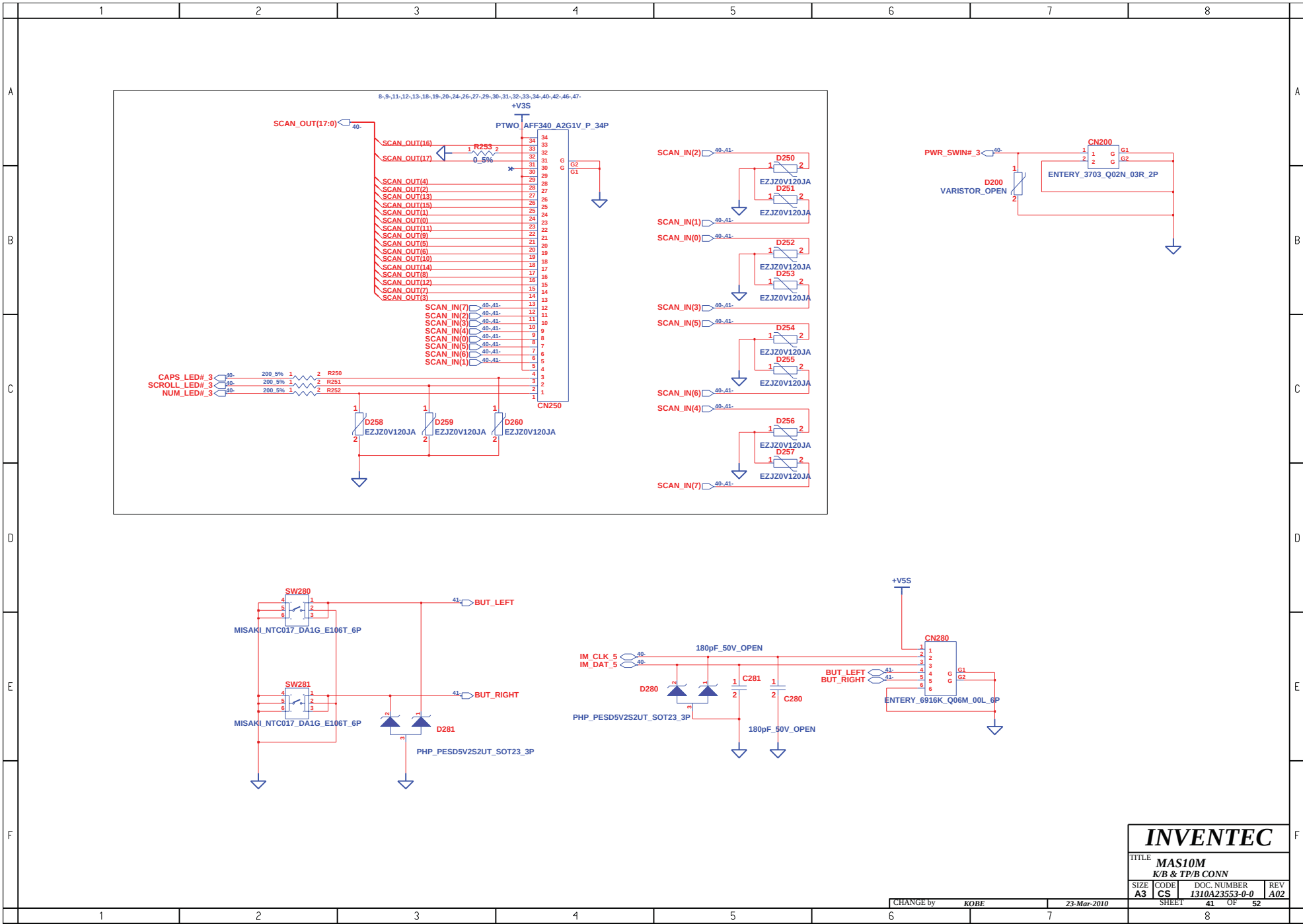
TITLE
MAS10M
Camera

SIZE A3	CODE CS	DOC. NUMBER I310A23553-0-0	REV A02
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CHANGE by **KOBE** 23-Mar-2010

SHEET 39 OF 52



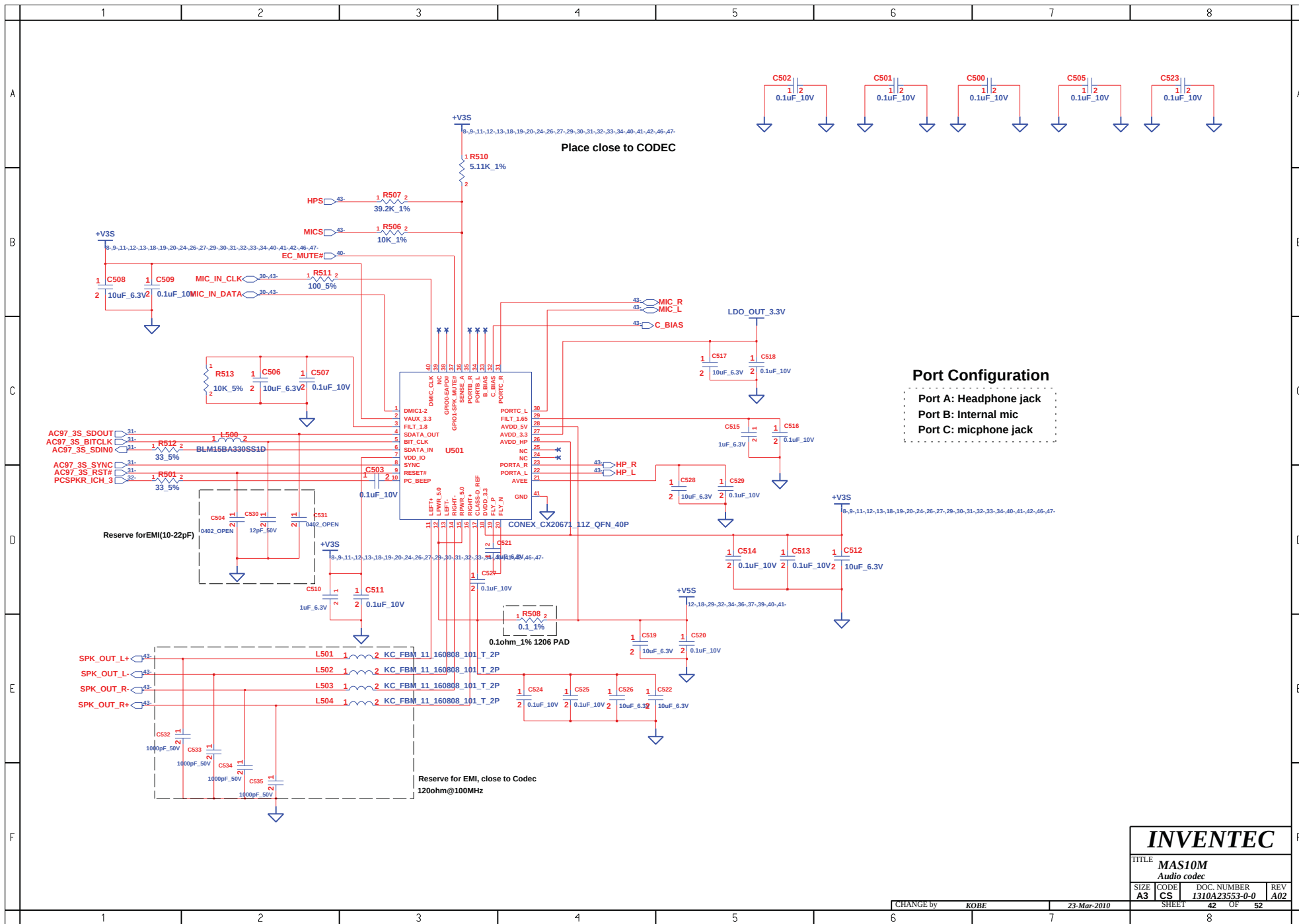


INVENTEC

TITLE			
MAS10M			
K/B & TP/B CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

CHANGE by KOBE 23-Mar-2010

SHEET 41 OF 52

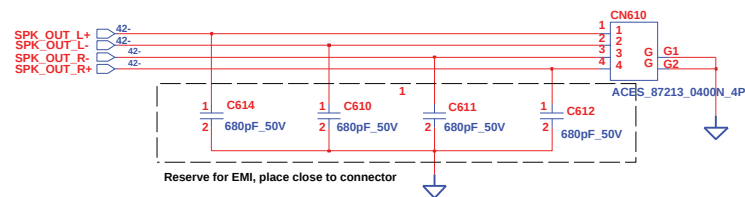


INVENTEC

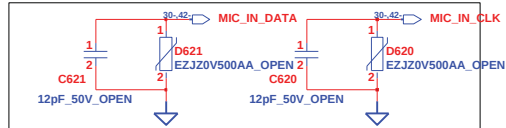
TITLE			
MAS10M			
Audio codec			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
SHEET		42	OF 52

CHANGE by KOBE 23-Mar-2010

INTERNAL SPEAKERS

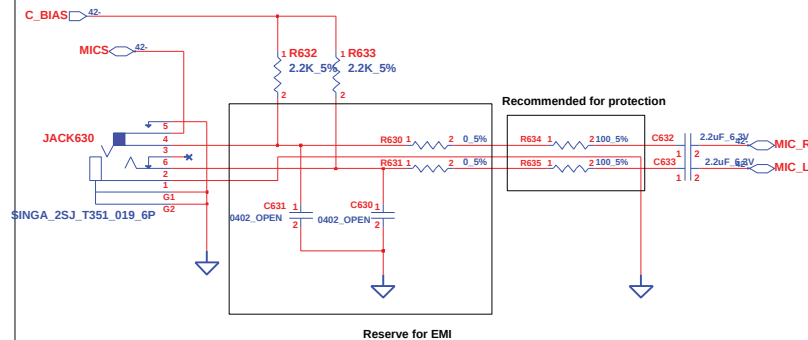


INTERNAL MIC

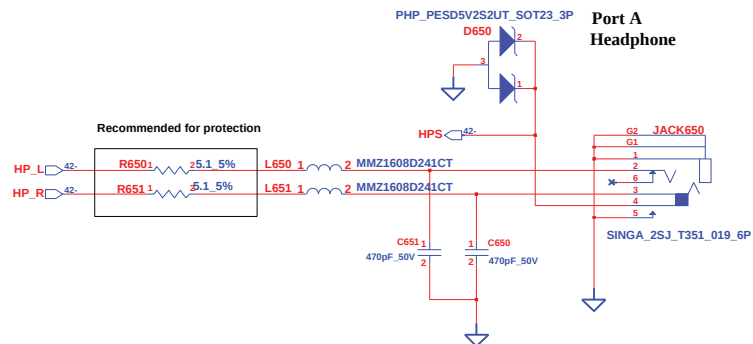


AUDIO JACKS

Port C External microphone



Port A Headphone

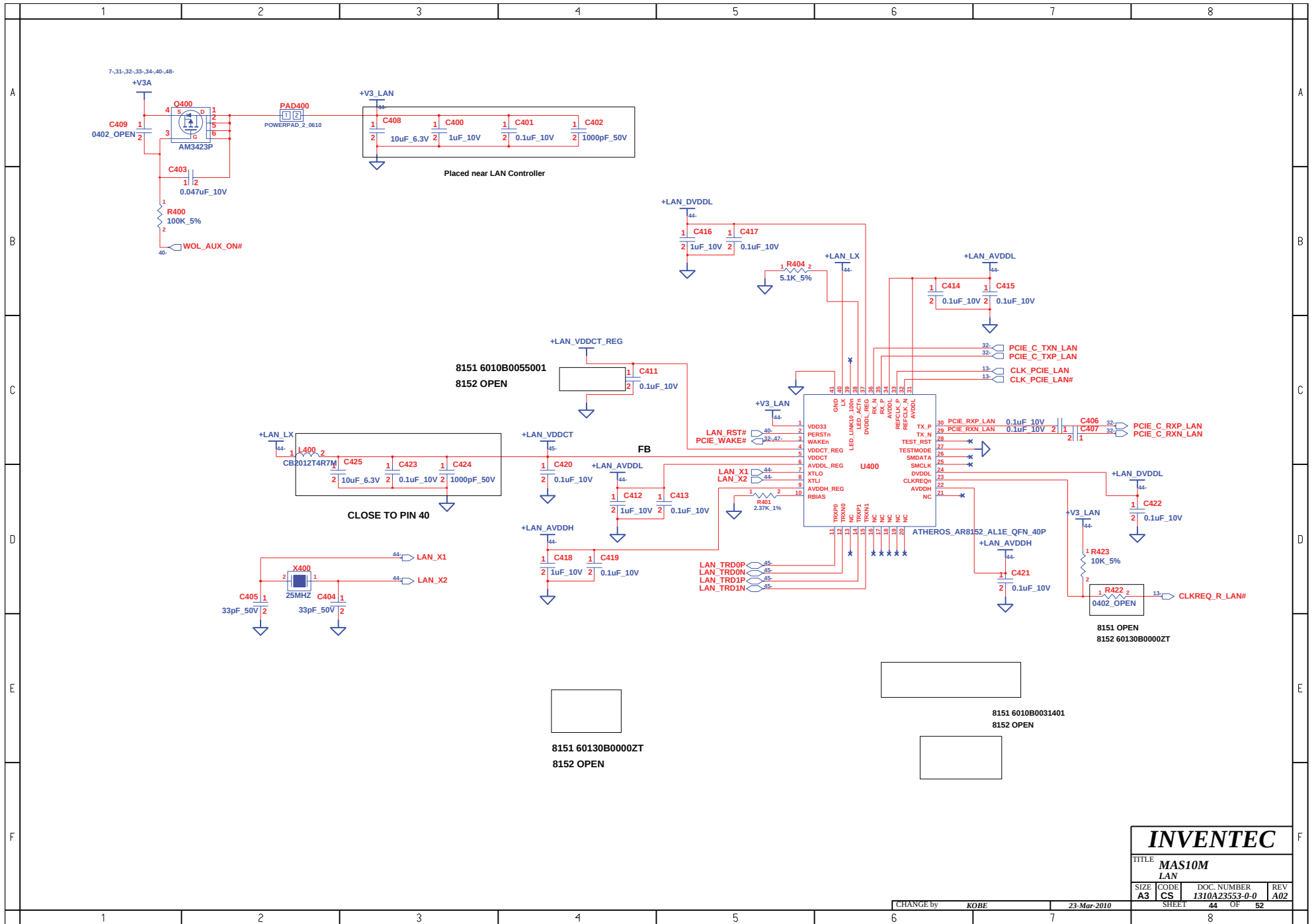


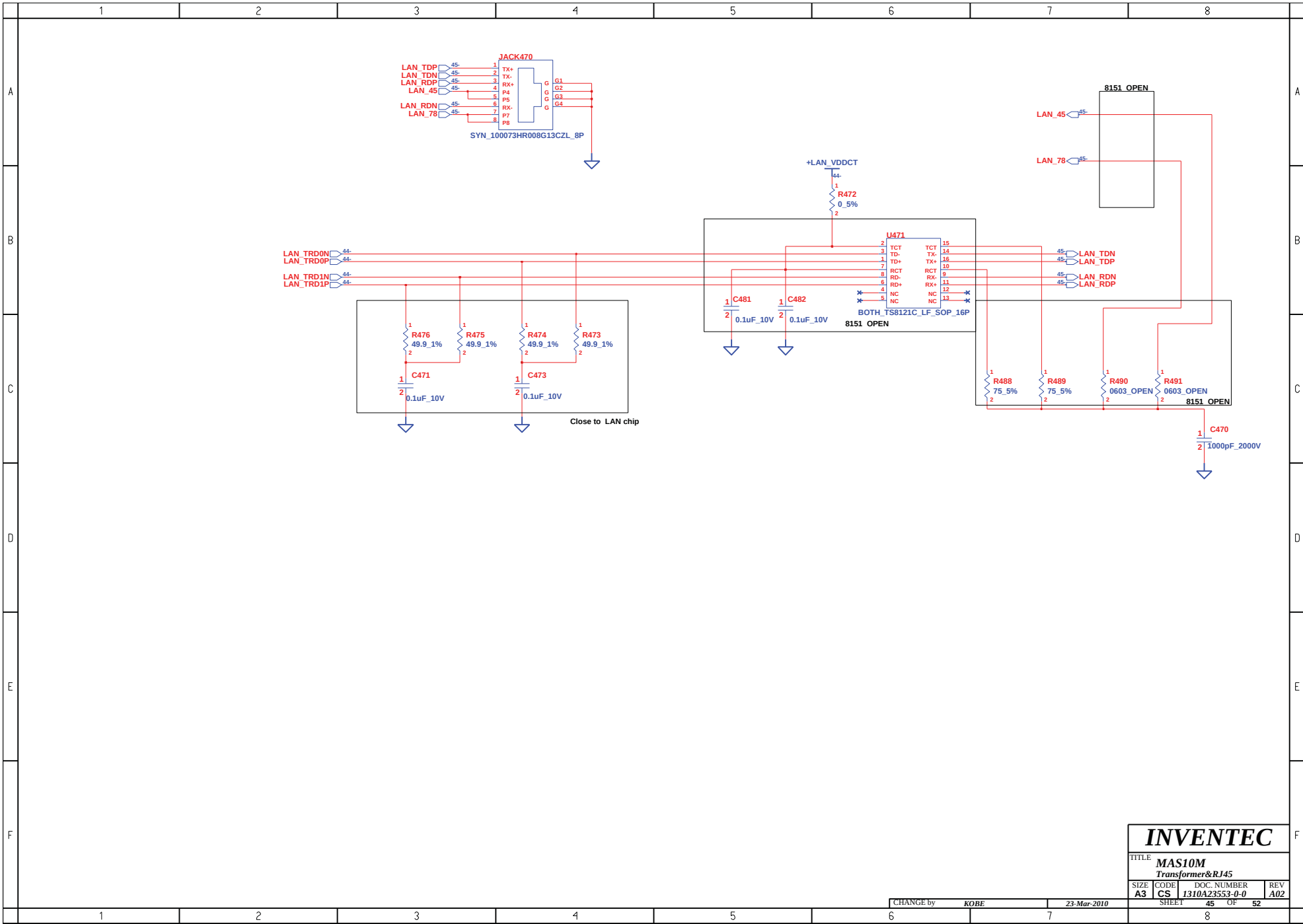
INVENTEC

TITLE			
MAS10M			
Audio AMP&MIC&Speaker			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

CHANGE by KOBE 23-Mar-2010

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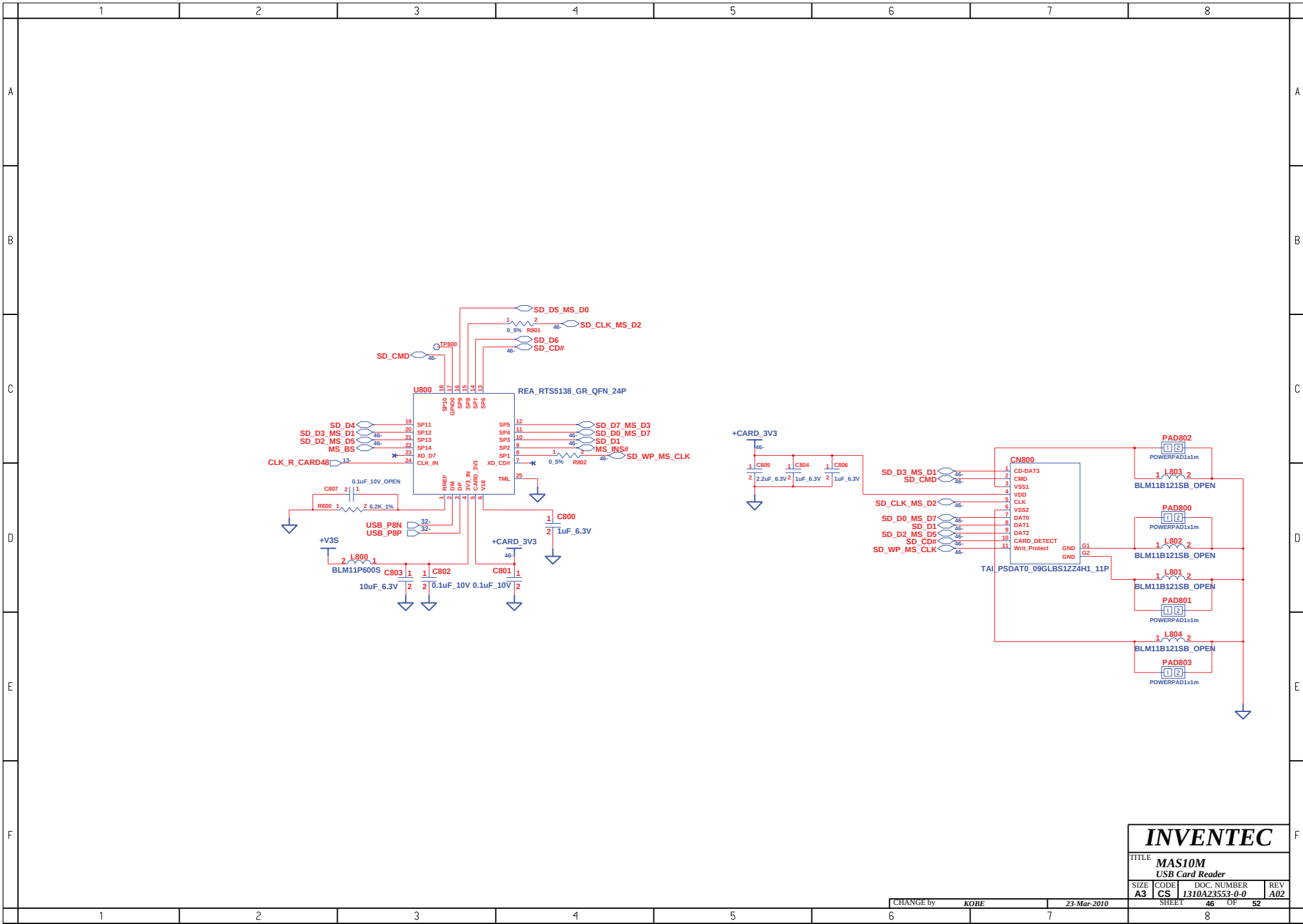
INVENTEC

TITLE
MAS10M
Transformer&RJ45

SIZE CODE DOC. NUMBER REV
A3 CS 1310A23553-0-0 A02

CHANGE by **KOBE** 23-Mar-2010

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INVENTEC

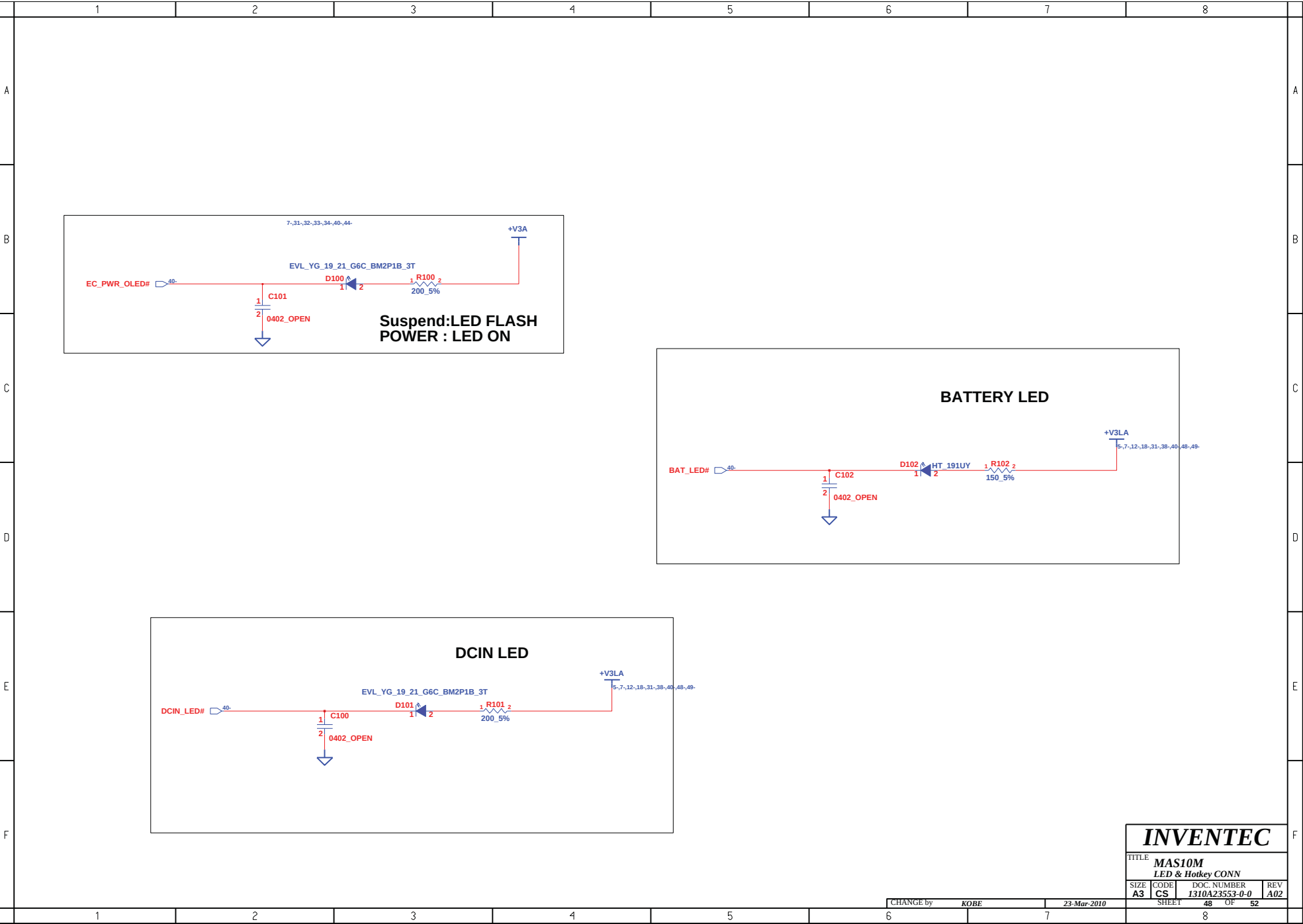
TITLE			
MAS10M			
USB Card Reader			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

CHANGE by KOBE 23-Mar-2010

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[illegible]

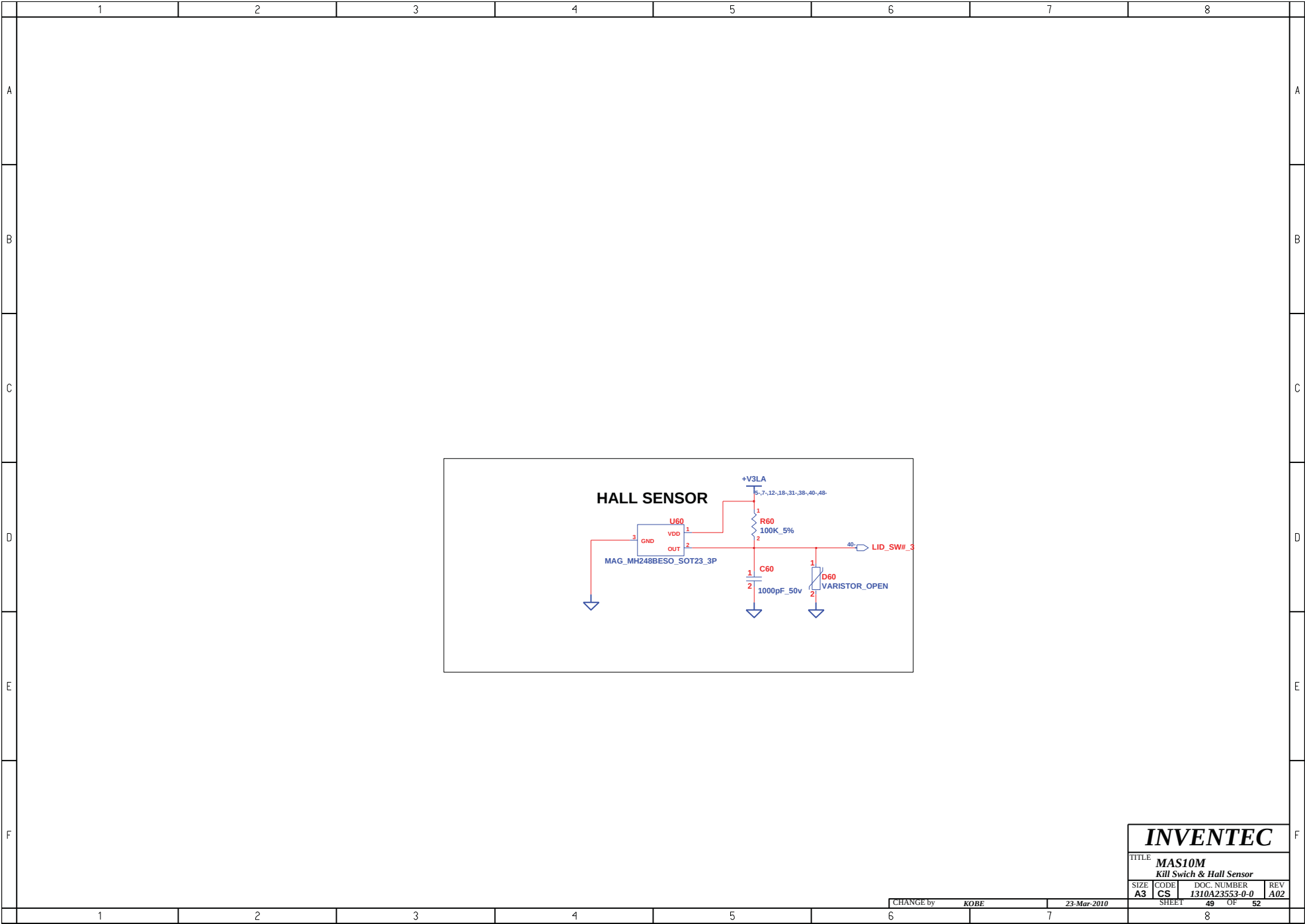
INVENTEC			
TITLE		MAS10M <i>Wireless & debug card</i>	
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
SHEET		47	OF 52
8			



INVENTEC

TITLE			
MAS10M			
LED & Hotkey CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
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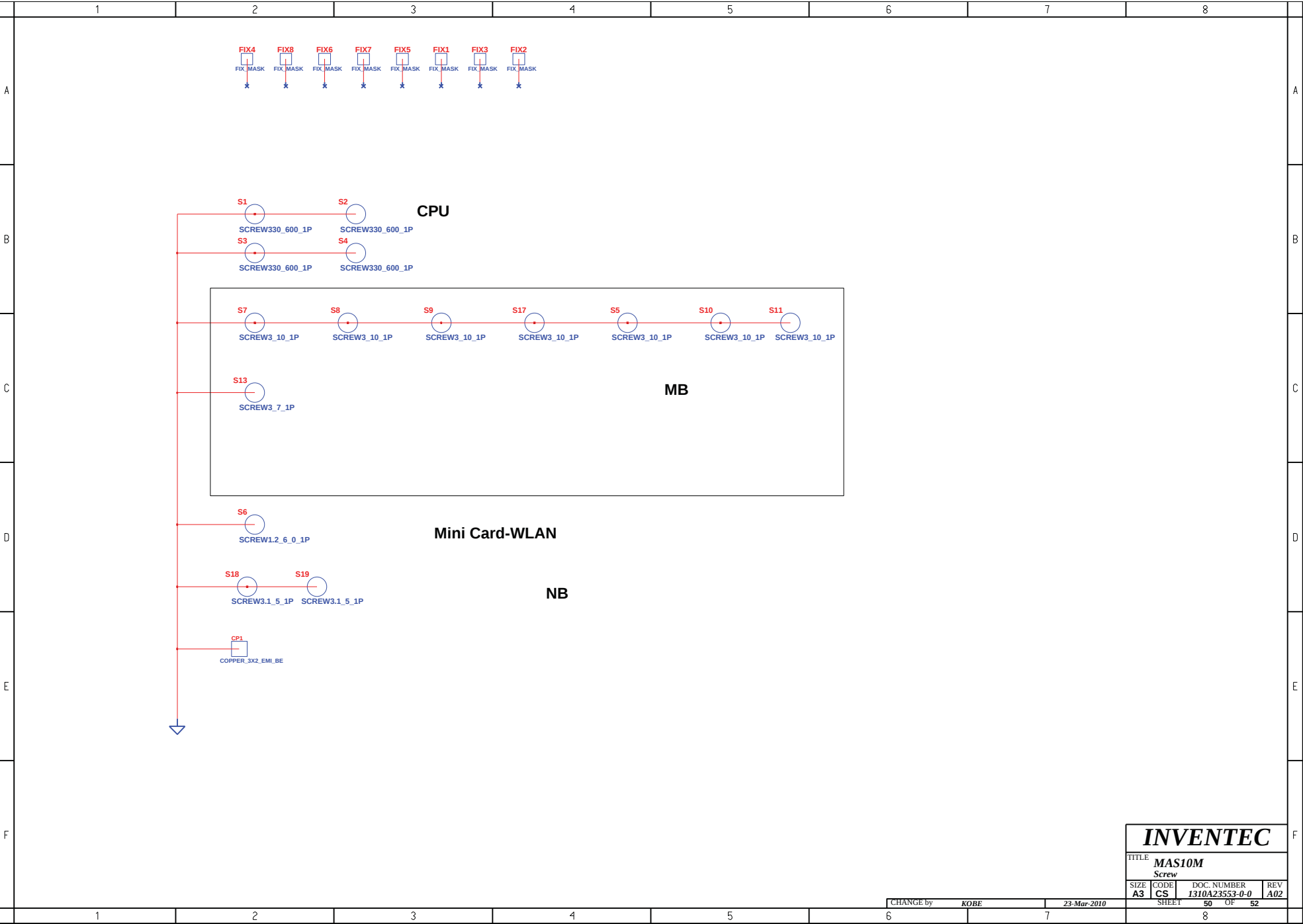
CHANGE by KOBE 23-Mar-2010



INVENTEC

TITLE
MAS10M
Kill Swich & Hall Sensor

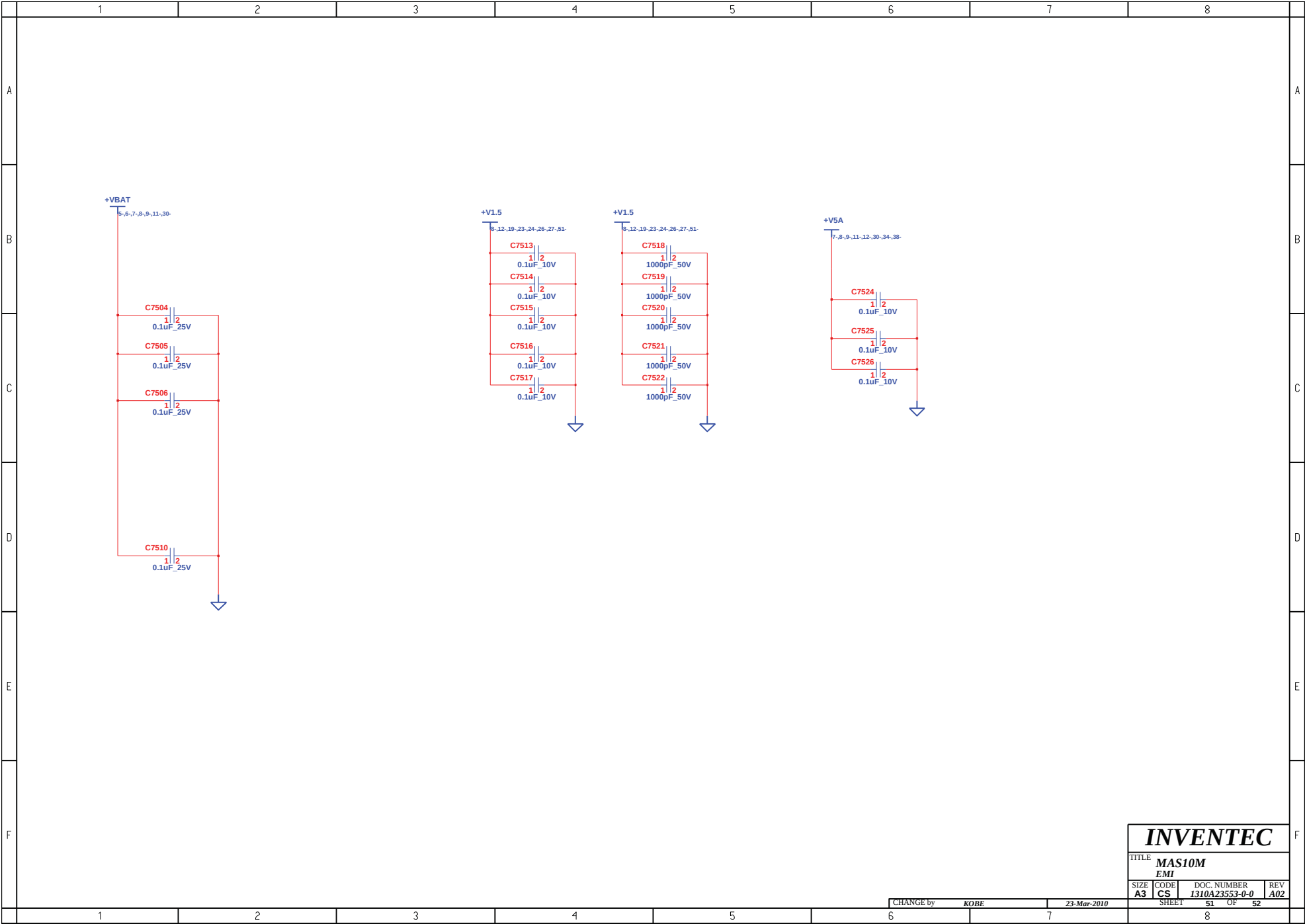
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02



INVENTEC

TITLE			
MAS10M			
Screw			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
SHEET		50 OF	52

CHANGE by ROBE 23-Mar-2010



INVENTEC

TITLE			
MAS10M			
EMI			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
SHEET		51	OF 52

CHANGE by ROBE 23-Mar-2010

