

**2010.03.23**

EE		DATE	POWER	DATE	
DRAWER	Pet. Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16	
DESIGN	Pet. Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16	
CHECK	Pet. Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16	
RESPONSIBLE	Chiou, Bryan	2010-03-16	Liang, Tommy	2010-03-16	
TITLE					MAS10M
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P.N. 6050A2355301					SIZE A3
					CODE CS
					DOC. NUMBER 1310A23553-0-0
					SHEET 1 OF 52

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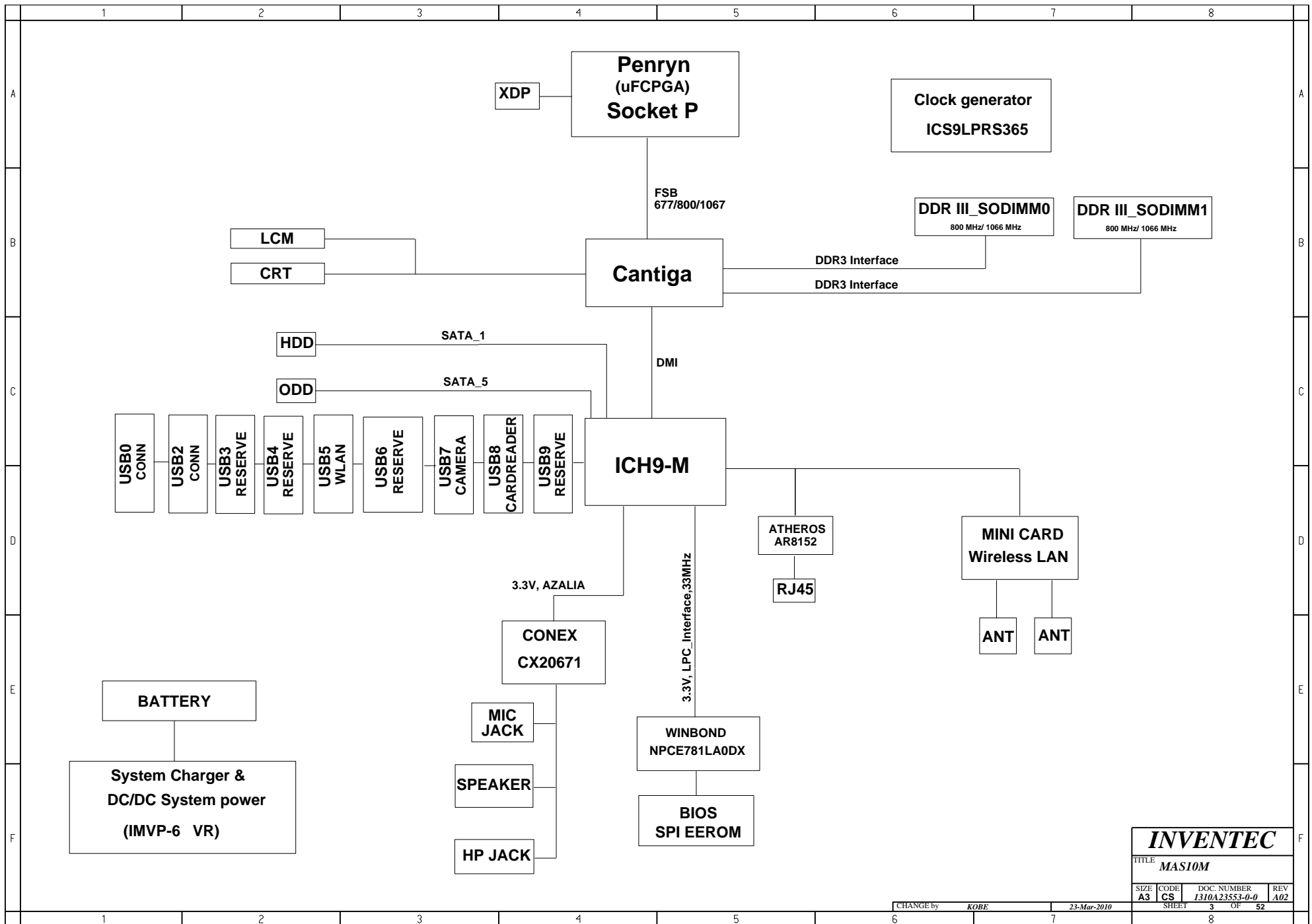
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2.INDEX	32.ICH9-2	
3.BLOCK DIAGRAM	33.ICH9-3	
4.POWER SEQUENCE BLOCK	34.ICH9-4	
5-12.SYSTEM POWER	35.ICH9-5	
13.CLOCK GENERATOR	36.SATA HDD CONN	
14.PENRYN-1	37.ODD CONN	
15.PENRYN-2	38.USB CONN	
16.PENRYN-3	39.Camera	
17.PENRYN-4	40.KBC	
18.FAN & THERMAL CONTROLLER	41.K/B & TP/B CONN	
19.CANTIGA-1	42.Audio Codec	
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	
26.DDR3 DIMM0	49.HALL SENSOR	
27.DDR3 DIMM1	50.Screw	
28.DDR DAMPING	51.EMI	
29.CRT CONN	52. power board	
30.LCM CONN		

**INVENTEC**

TITLE **MAS10M**

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>I310A23553-0-0</b>	REV <b>A02</b>
SHEET <b>2</b>		OF <b>52</b>	

CHANGE by **KOE** 23-Mar-2010

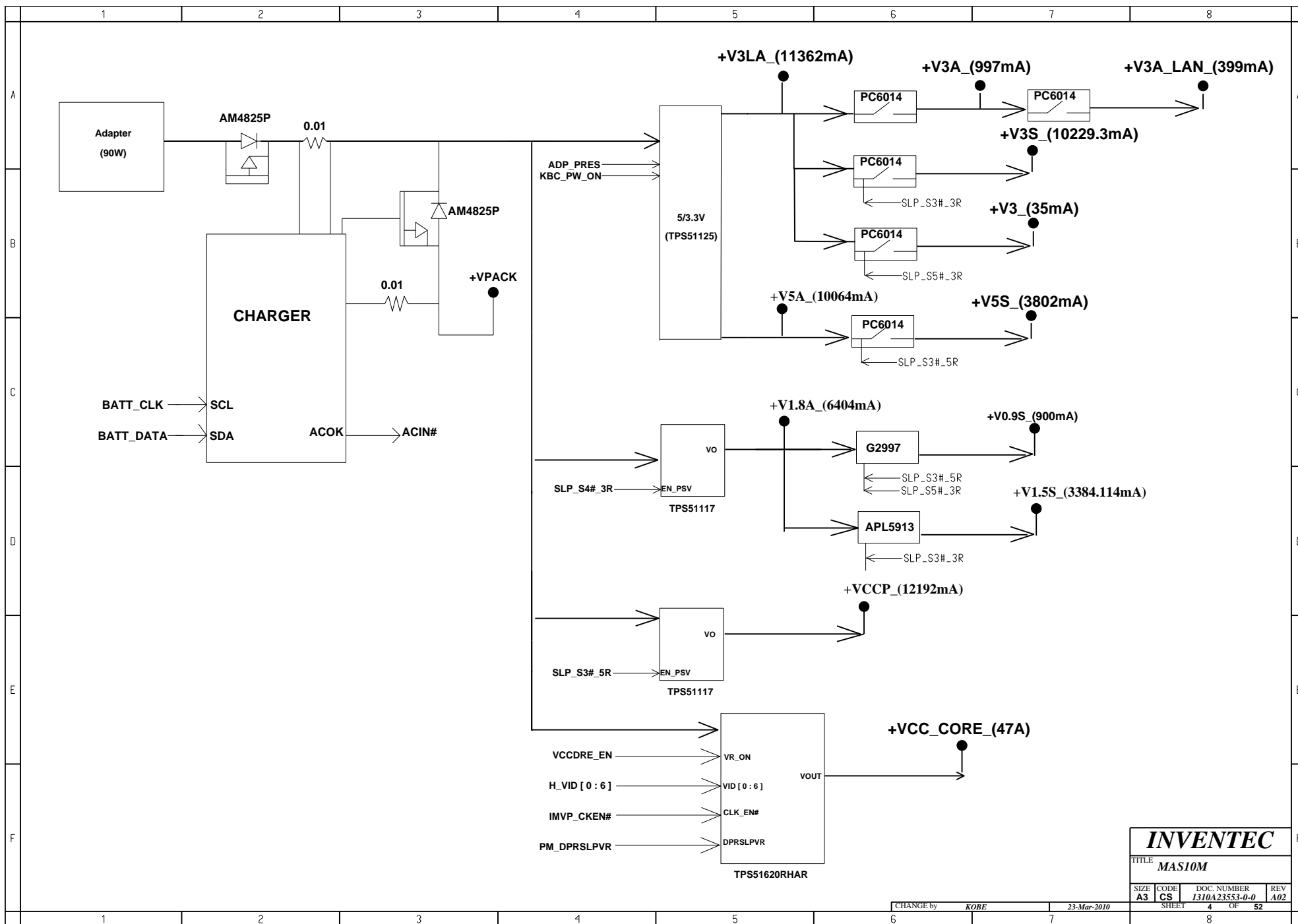


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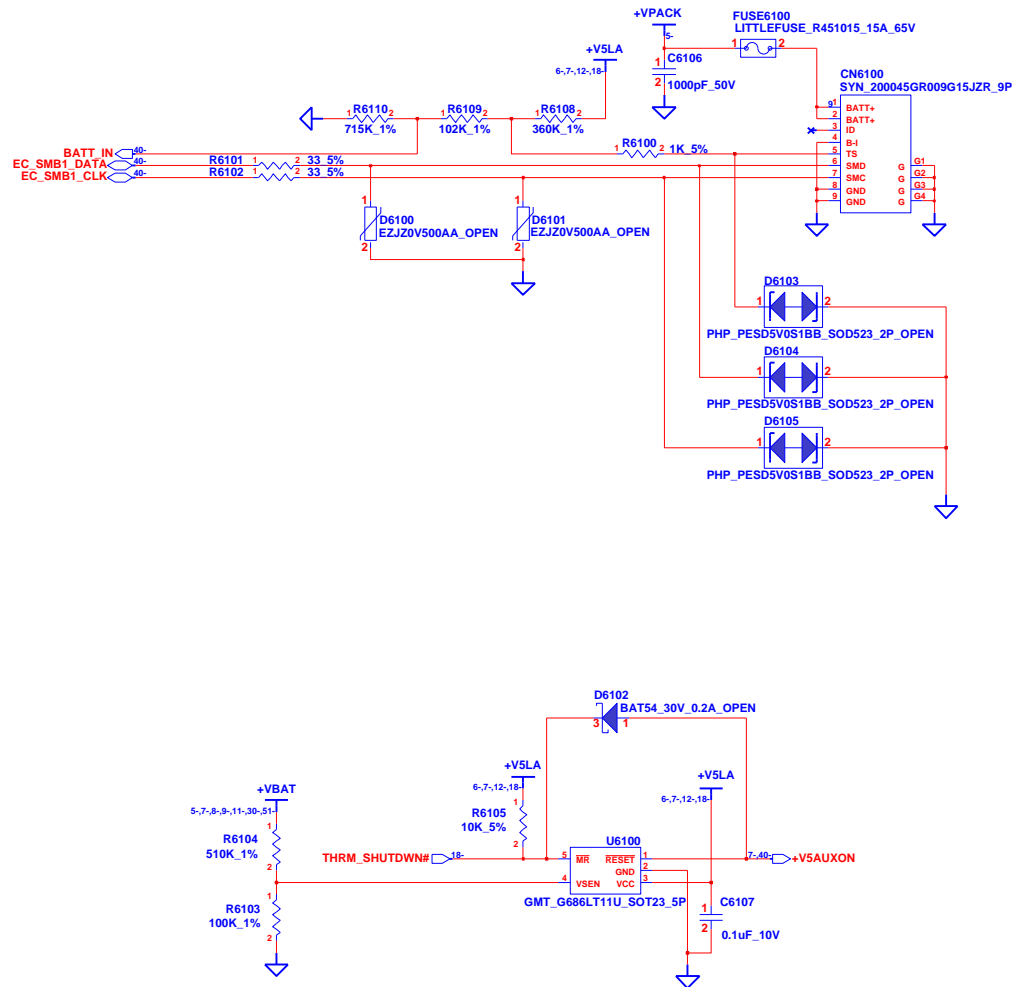
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**MAS10M**

SIZE	CODE	DOC. NUMBER	REV
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SHEET 3 OF 52





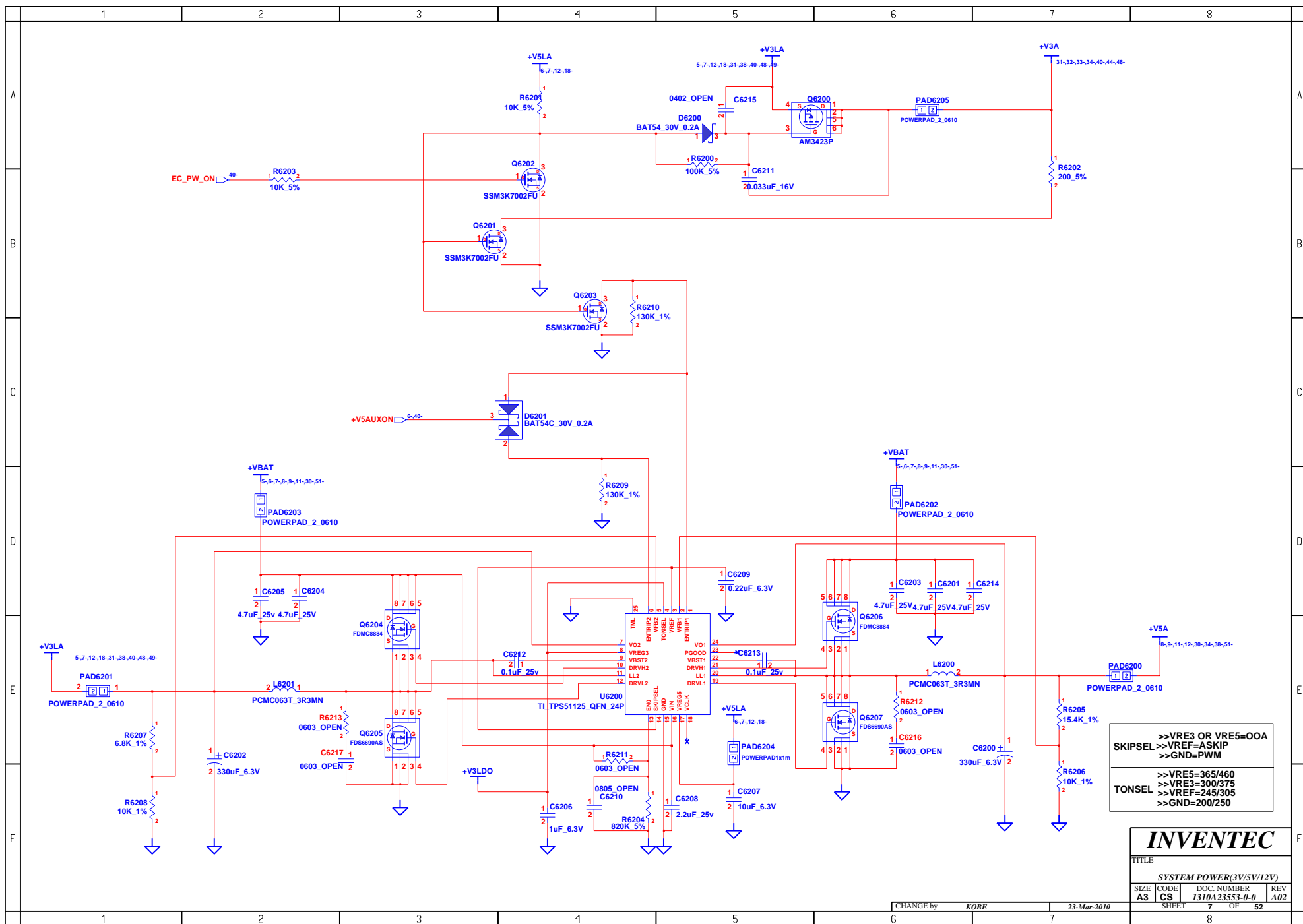


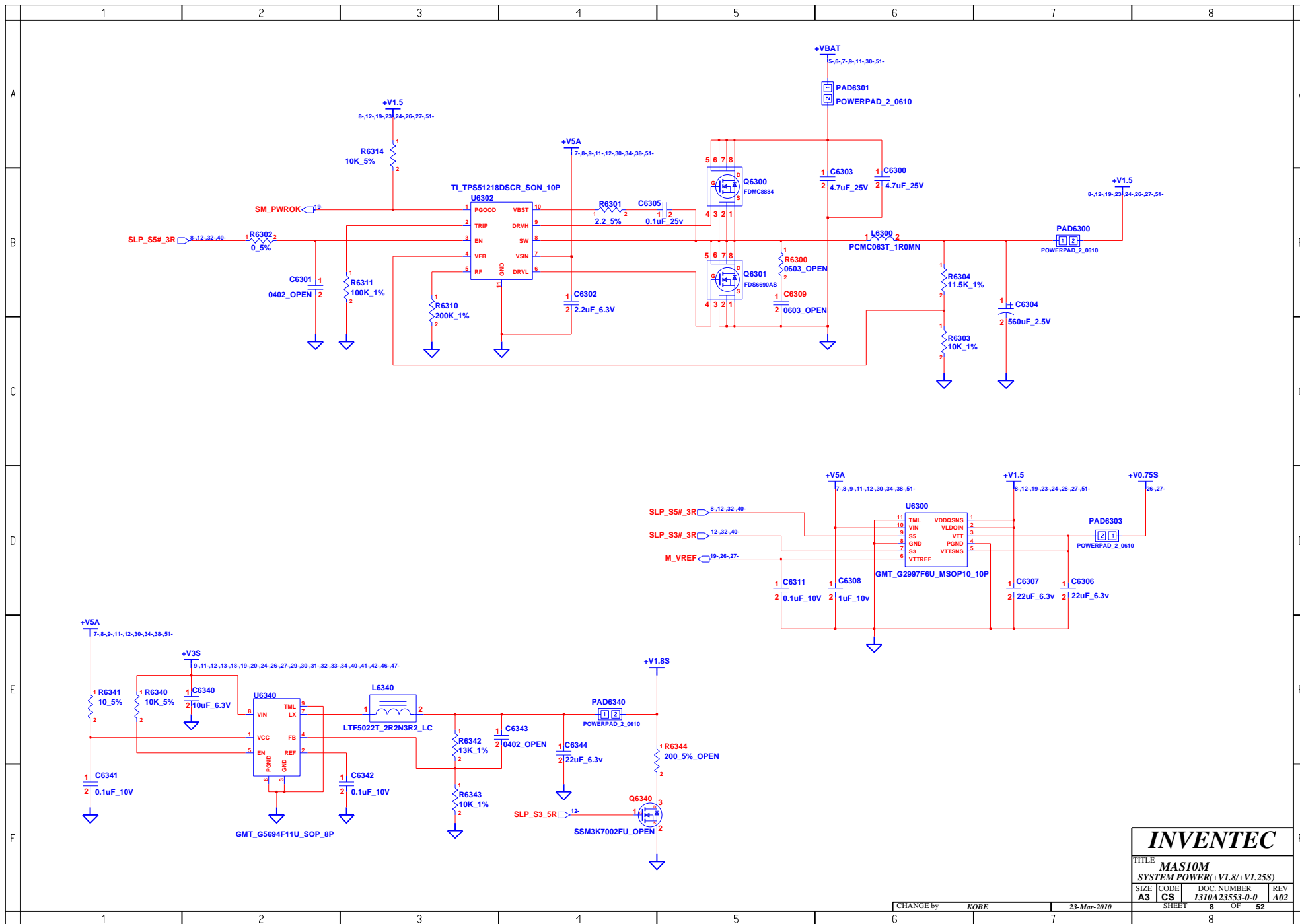
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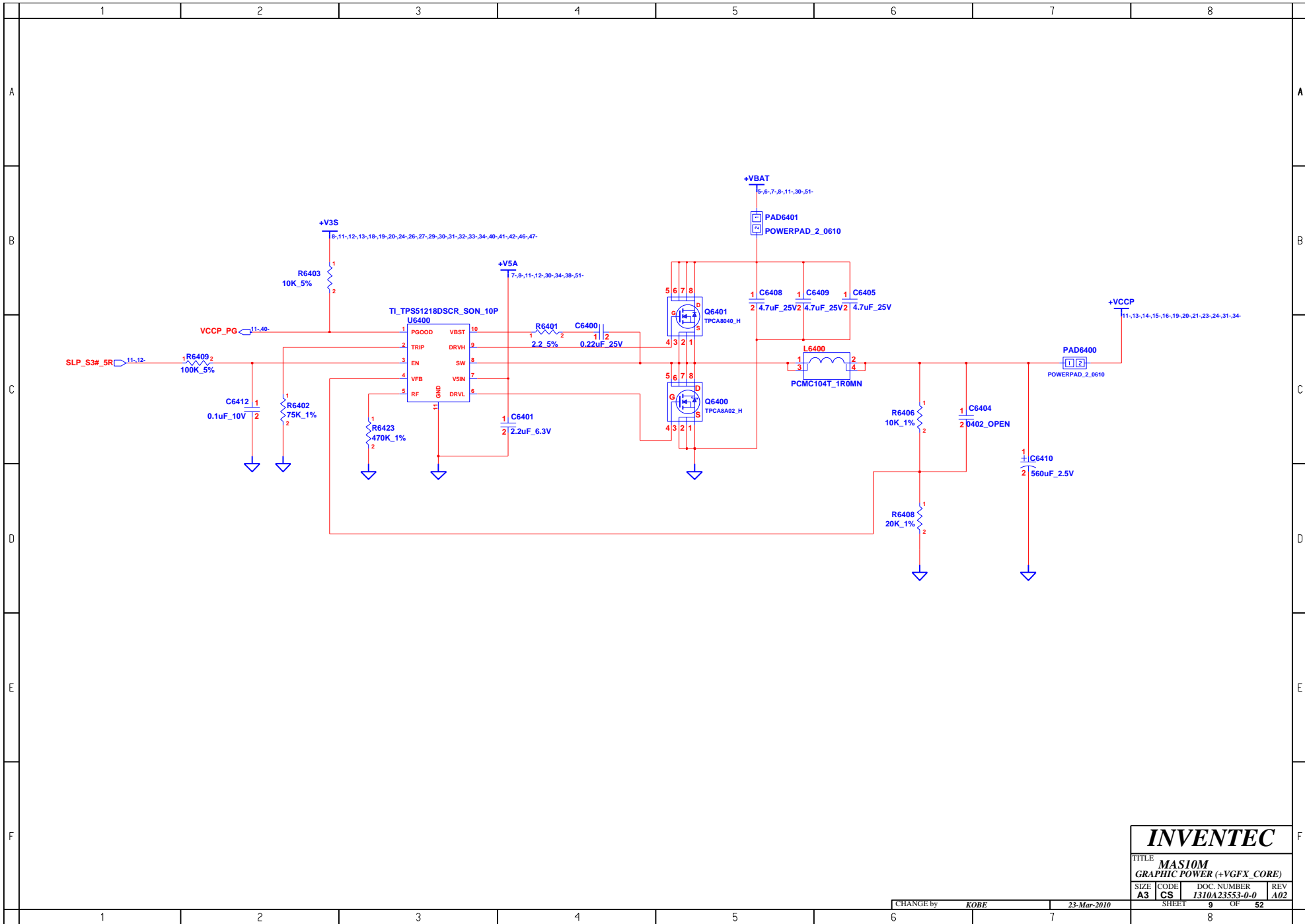
CHANGE by **KOBE** 23-Mar-2010

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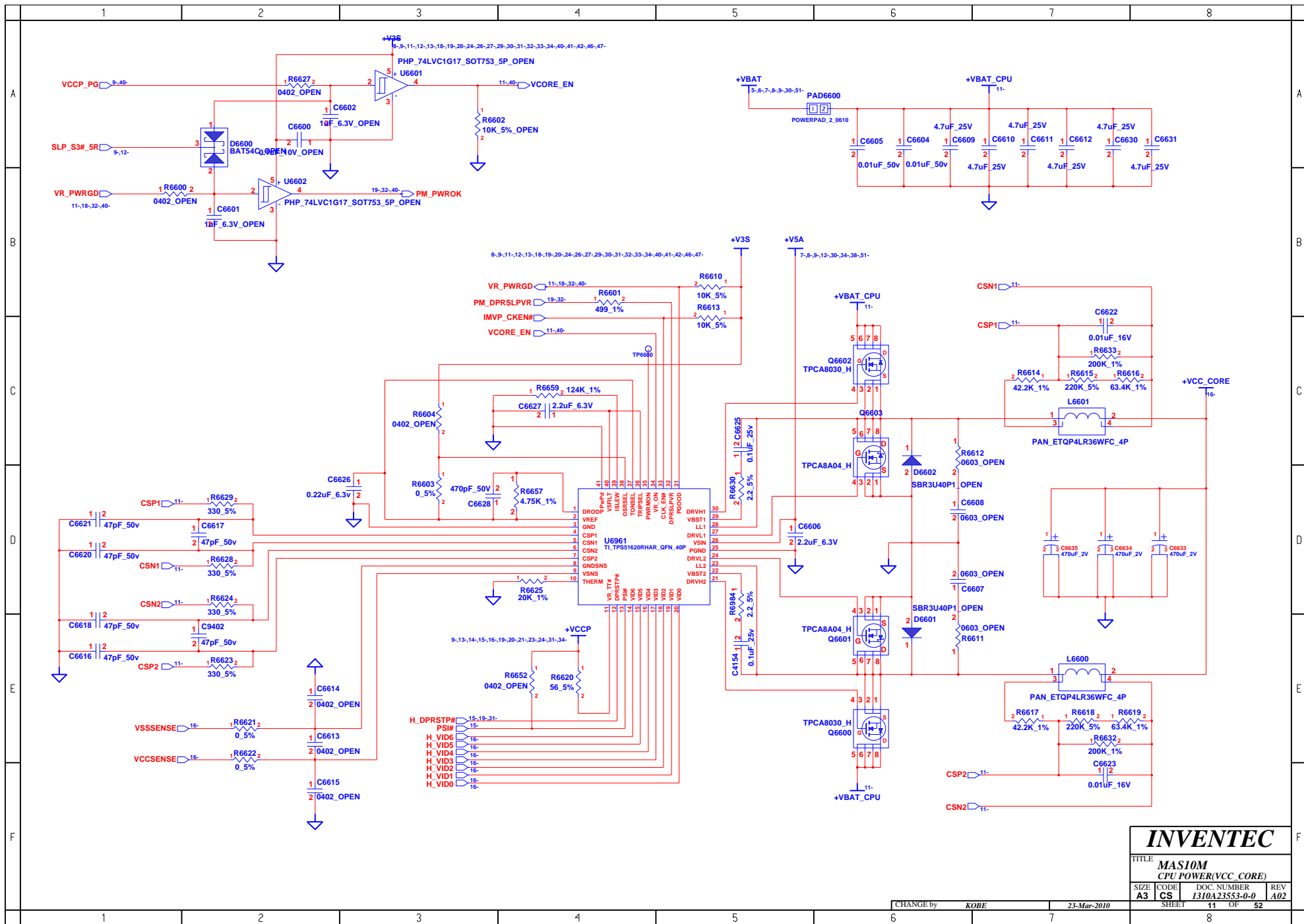
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INVENTEC

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SYSTEM POWER(+VCCP/+V1.5S)			
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CHANGE by KOBE 23-Mar-2010

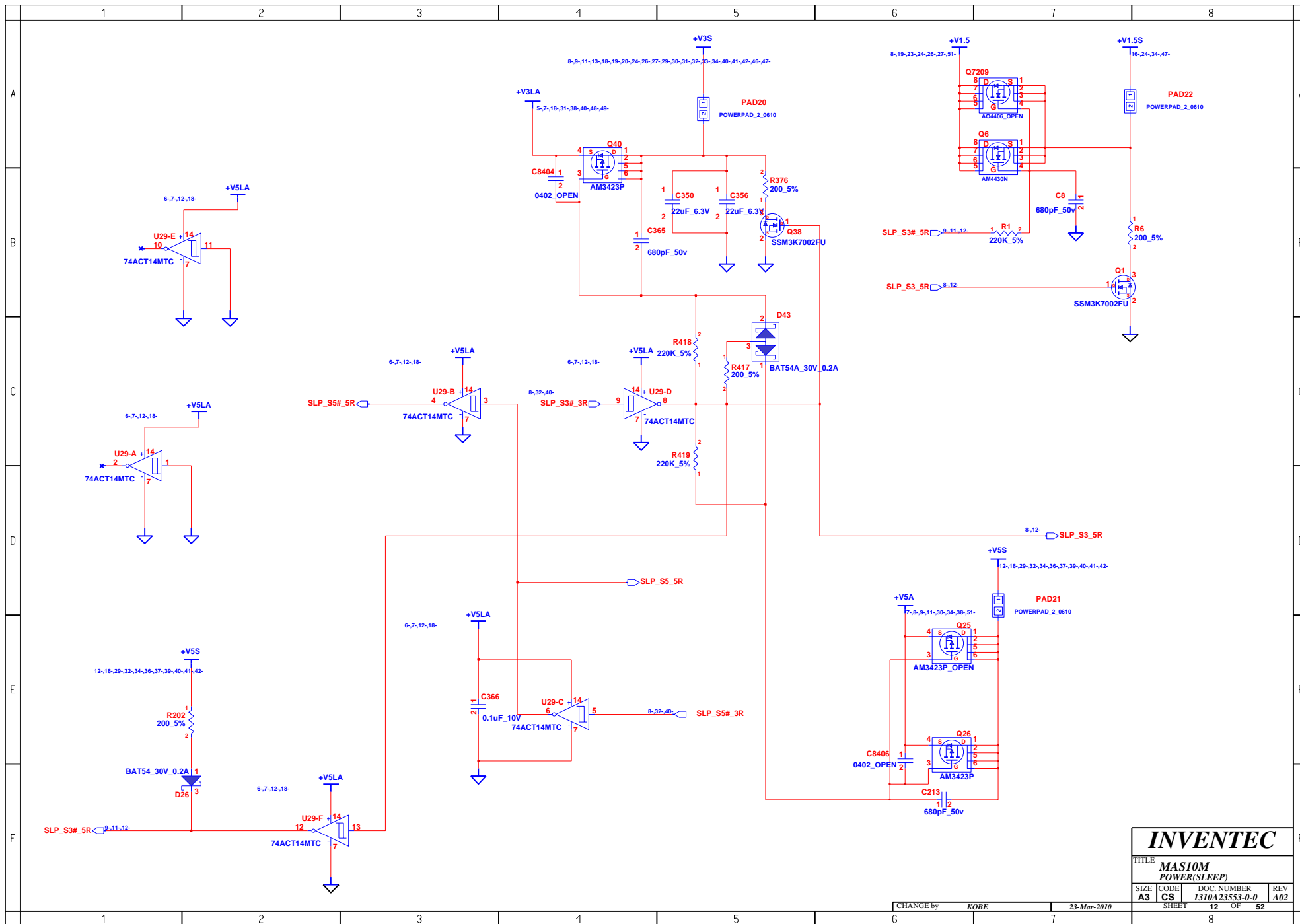


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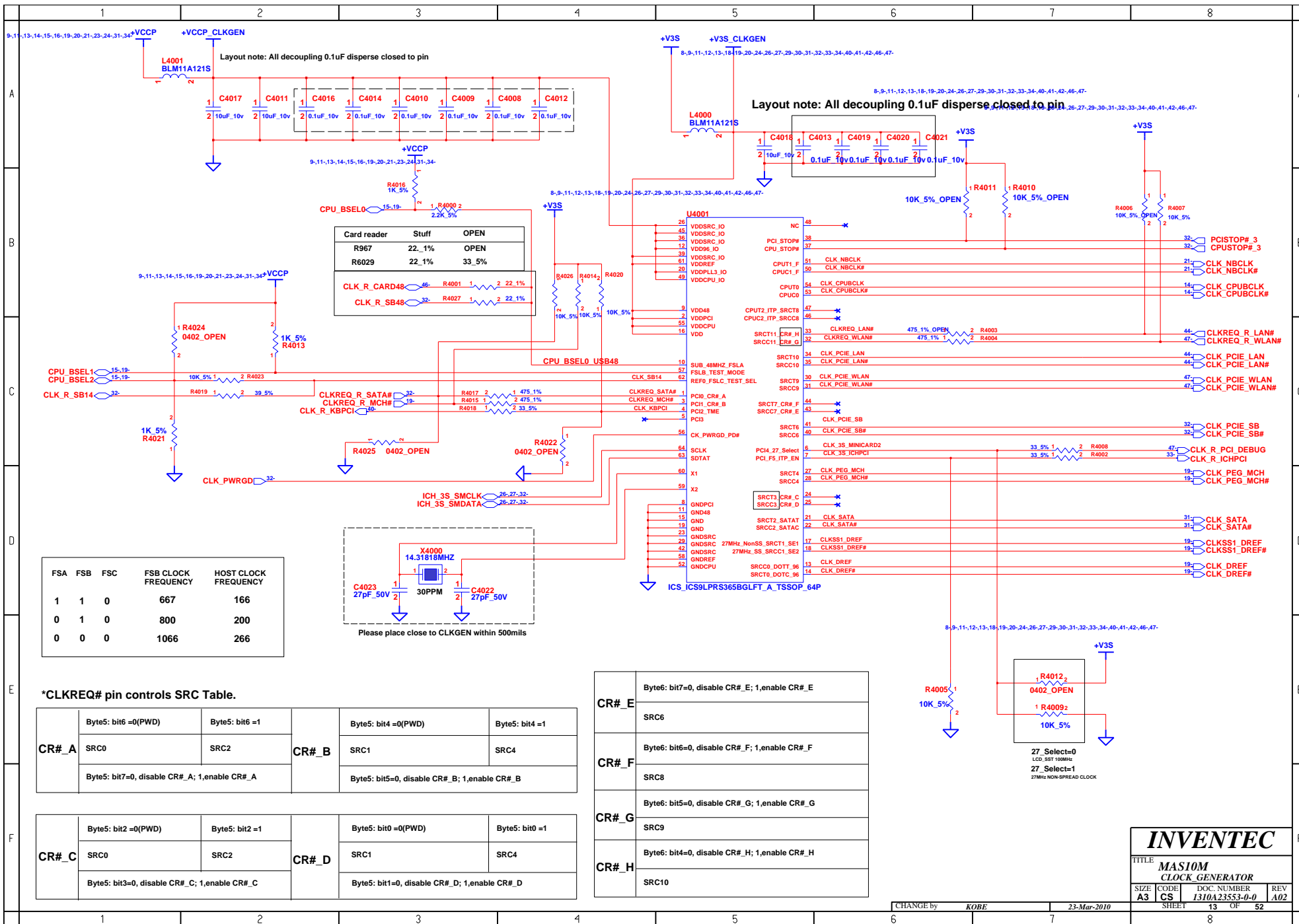
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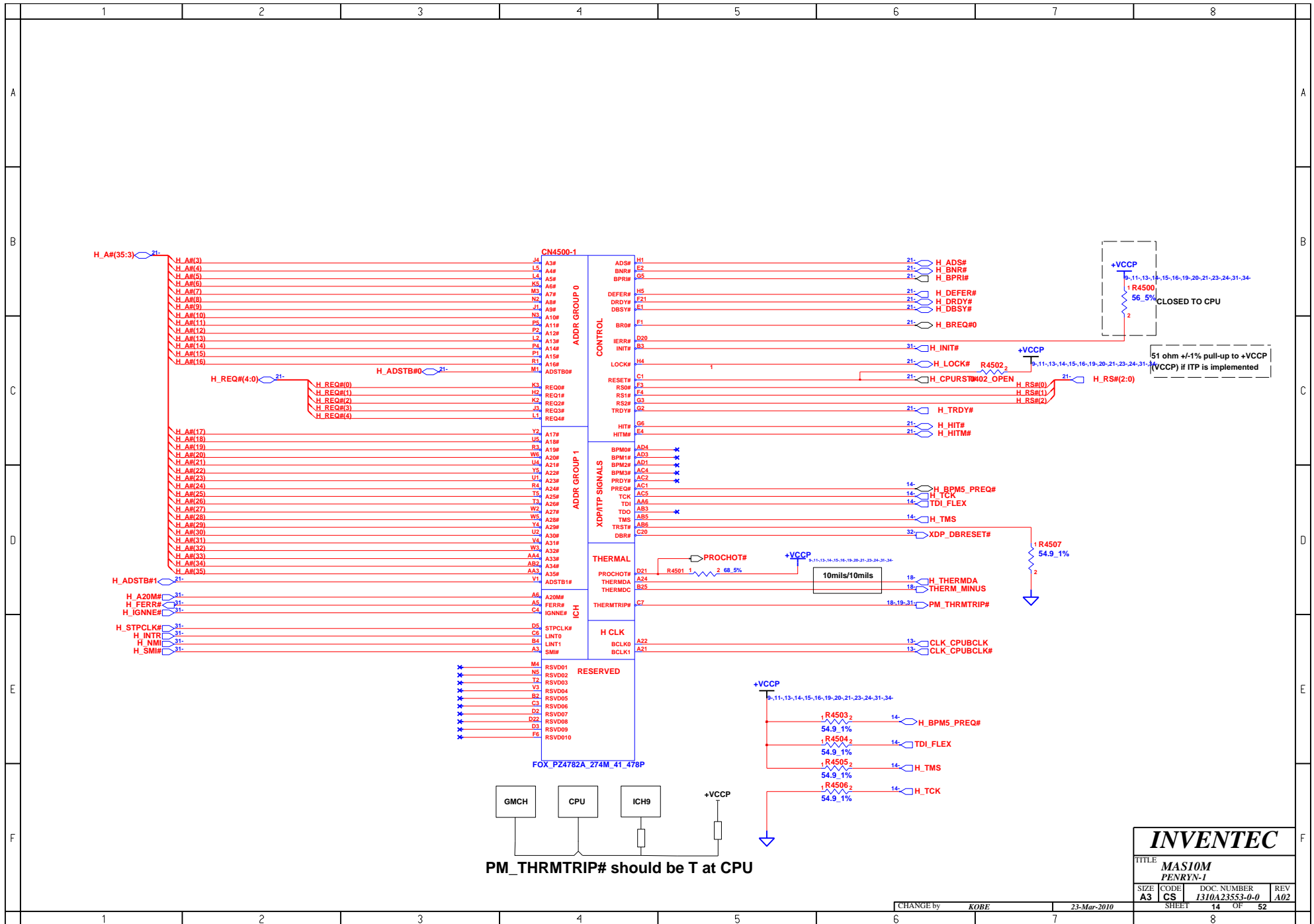
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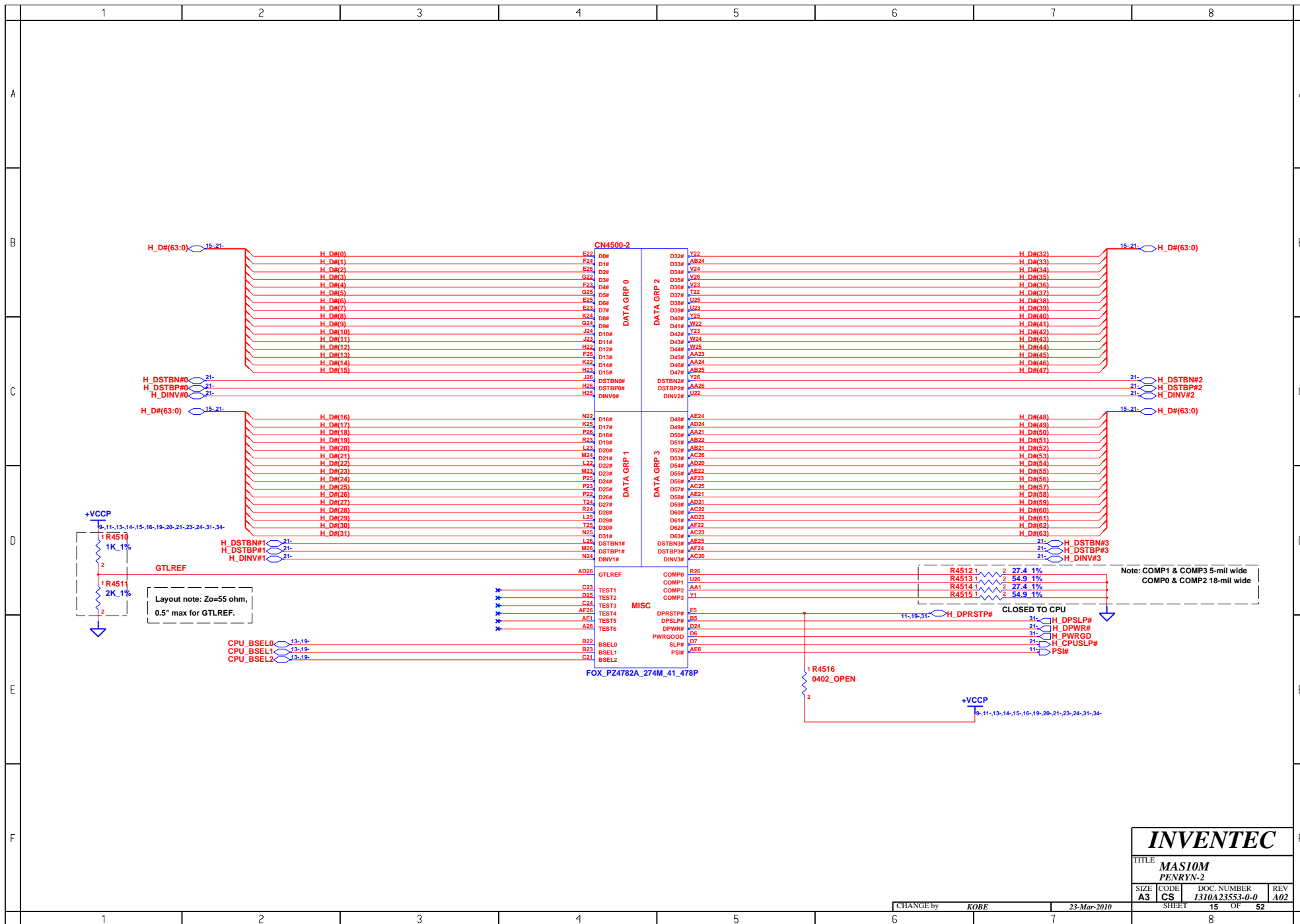
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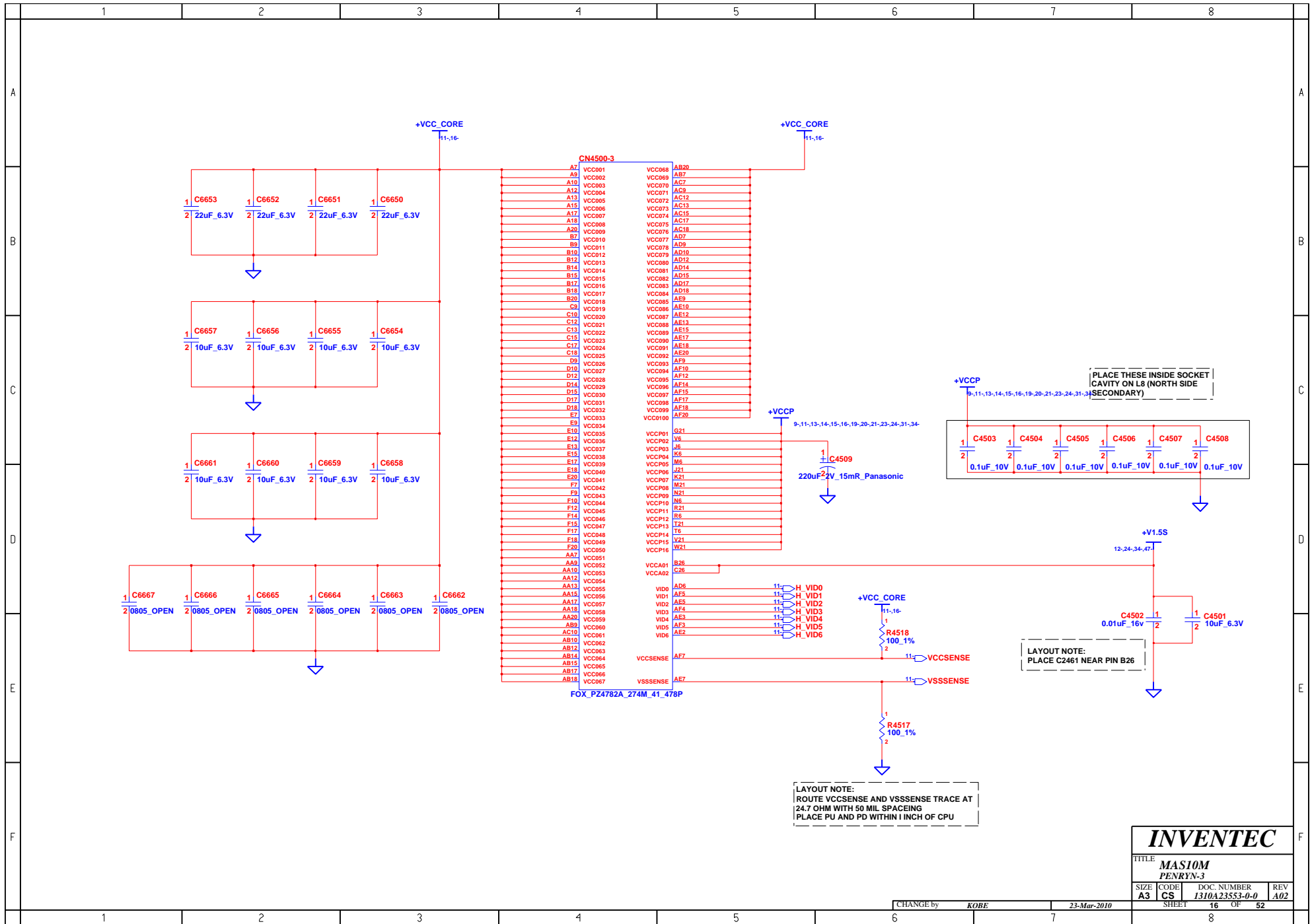


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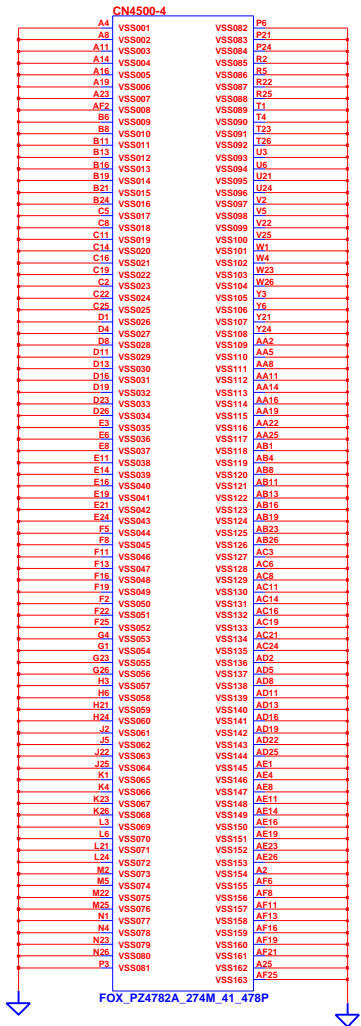


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CHANGE by KOB		23-Mar-2010	
SHEET 16		OF 52	



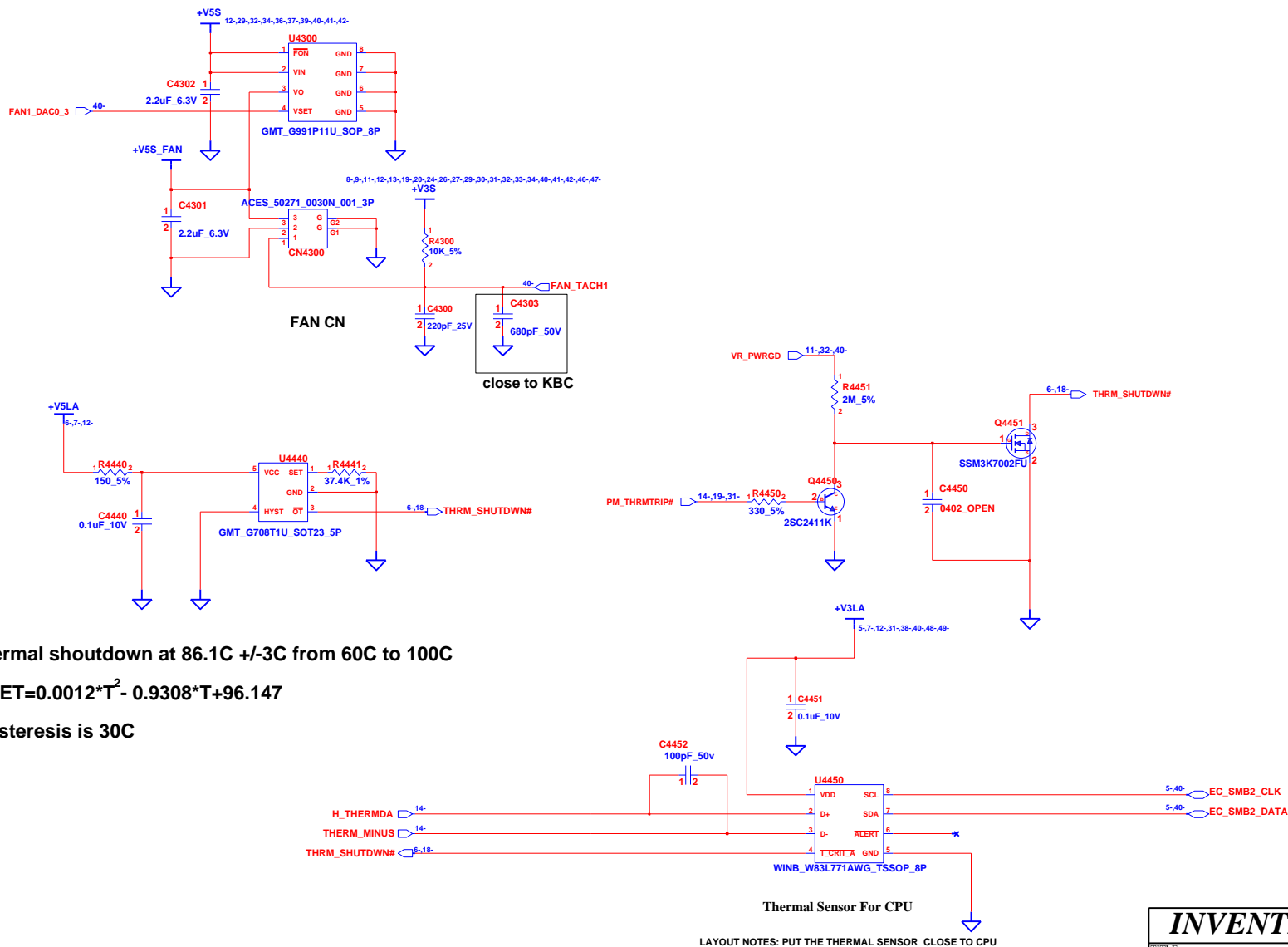
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**INVENTEC**

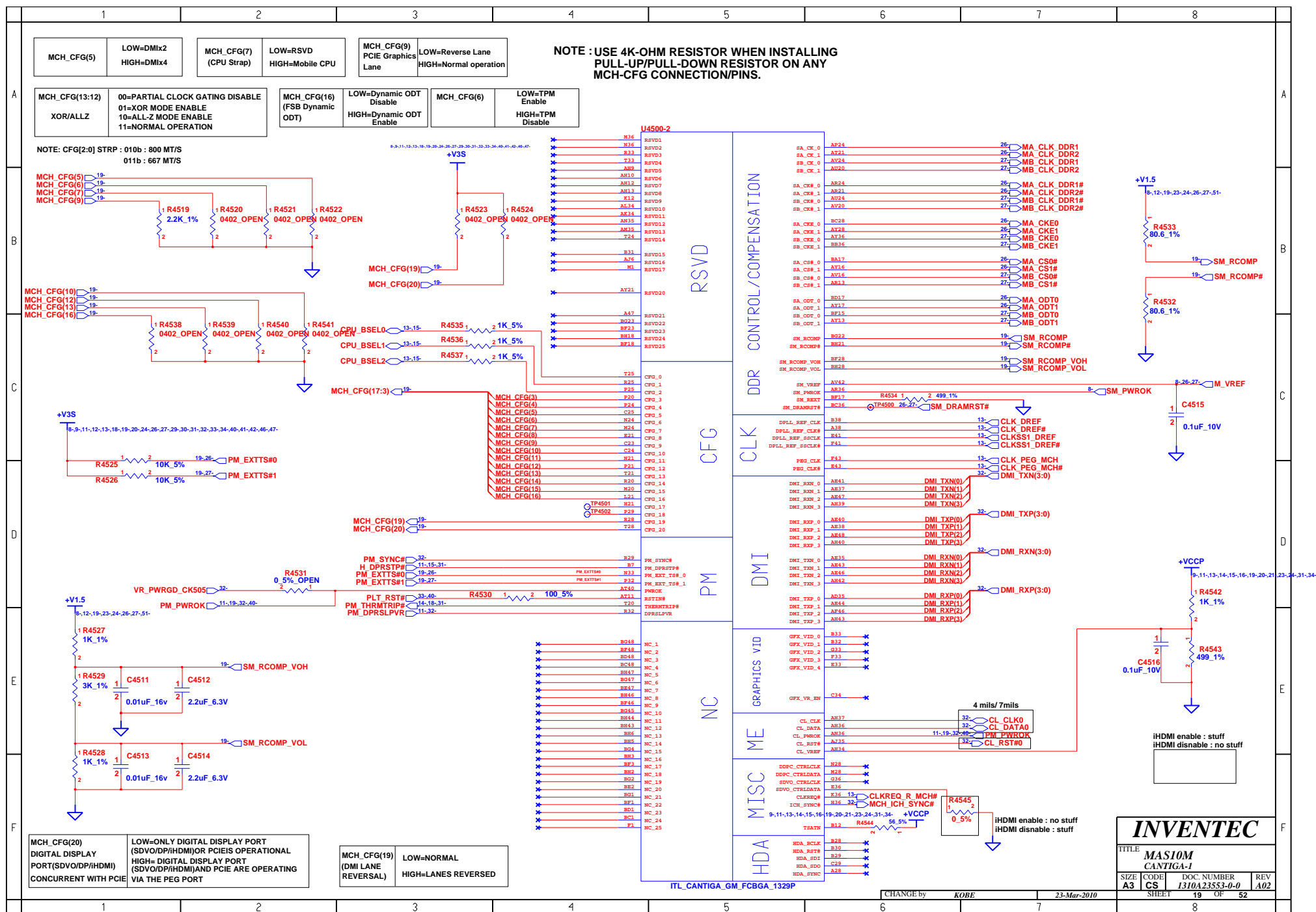
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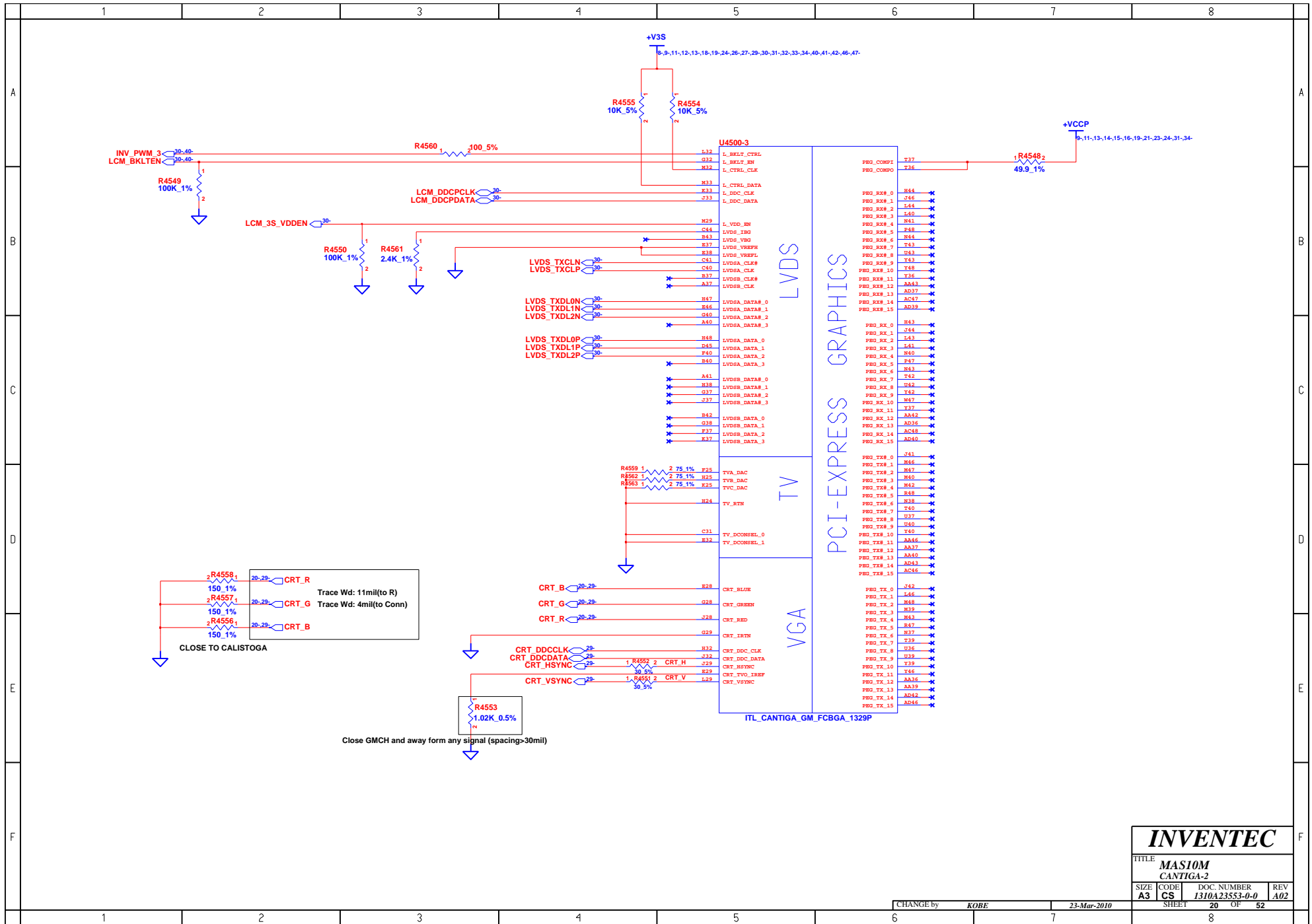
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CHANGE by KOBE 23-Mar-2010





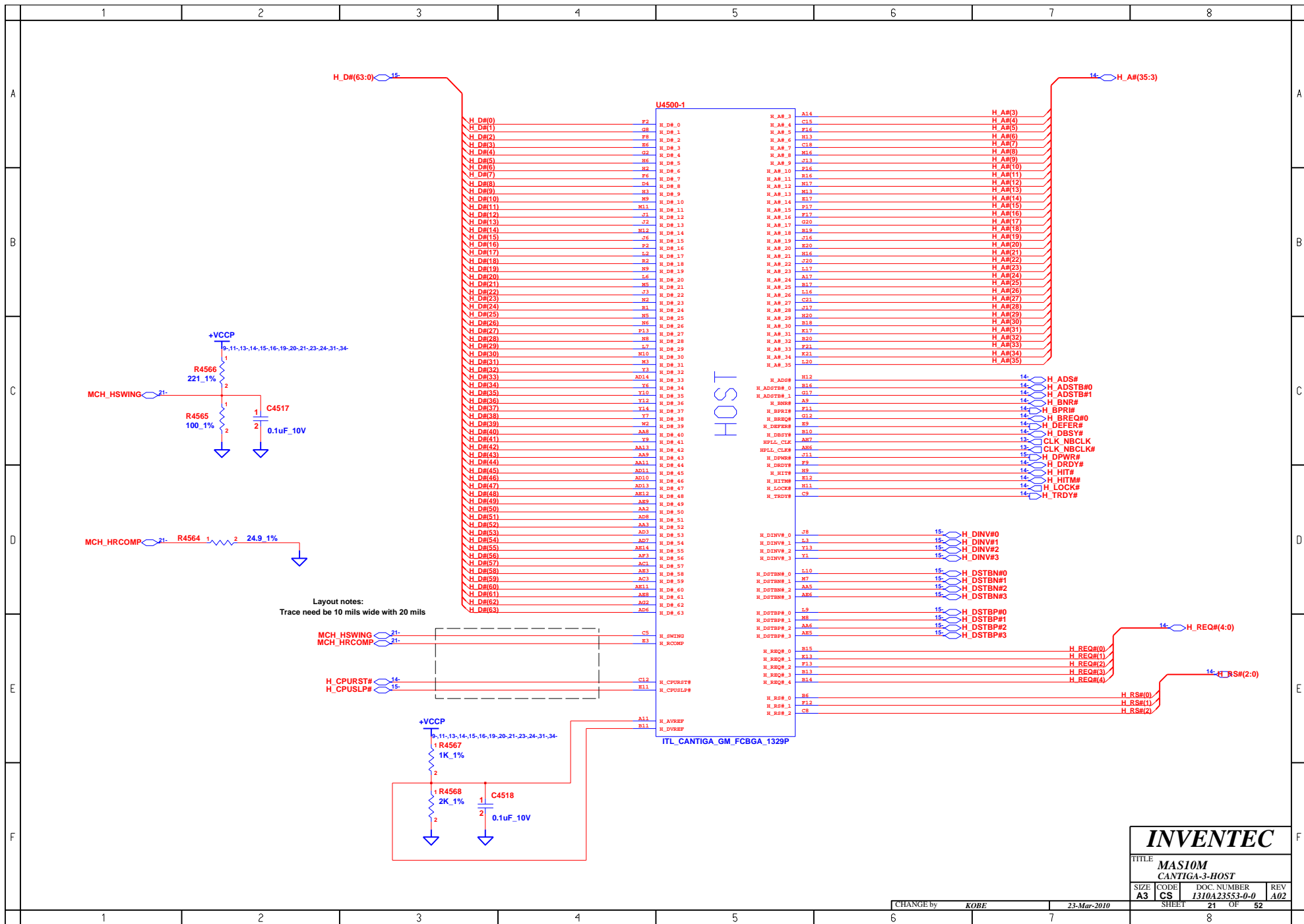
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CHANGE by KOBE 23-Mar-2010

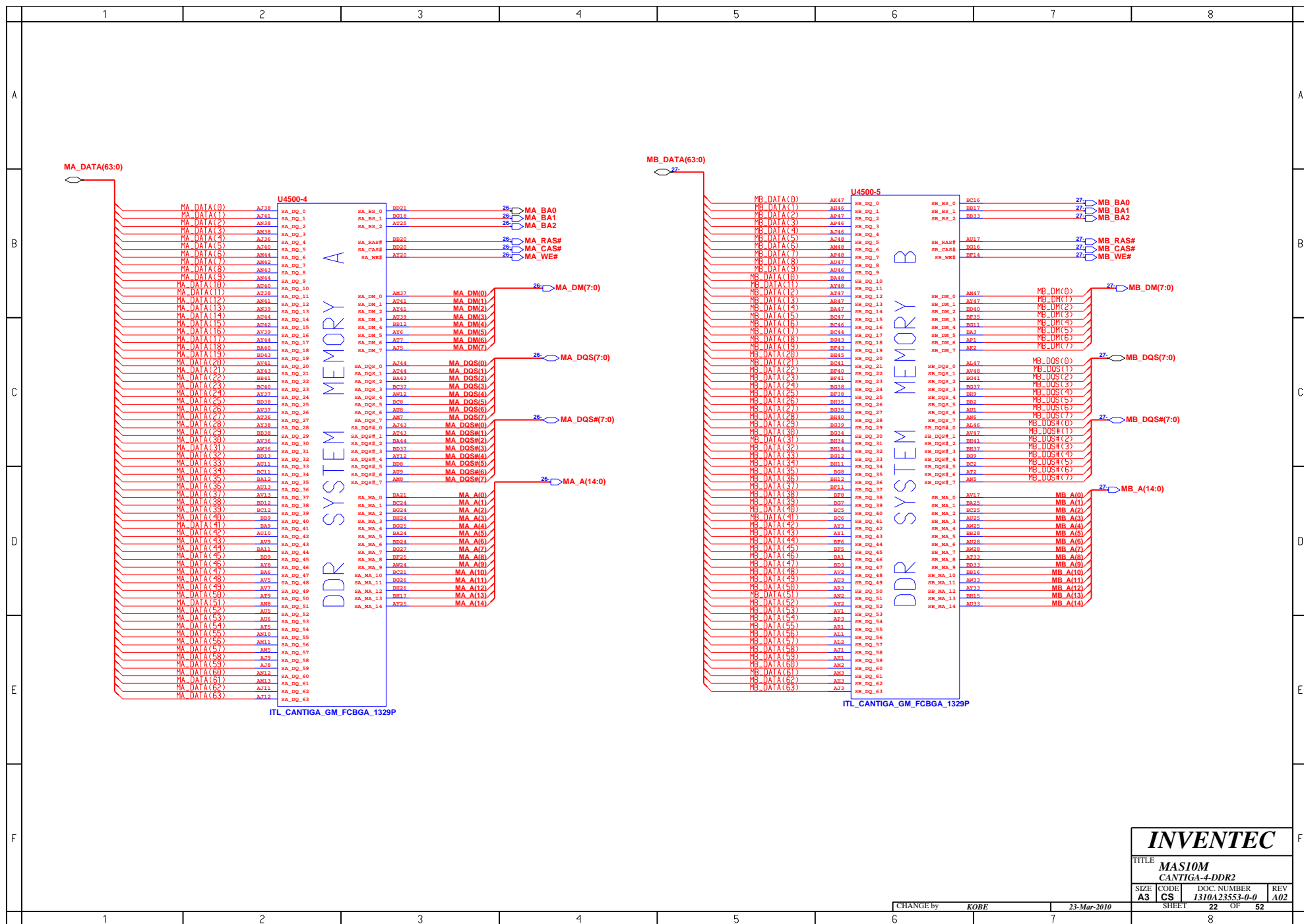
SHEET 20 OF 52

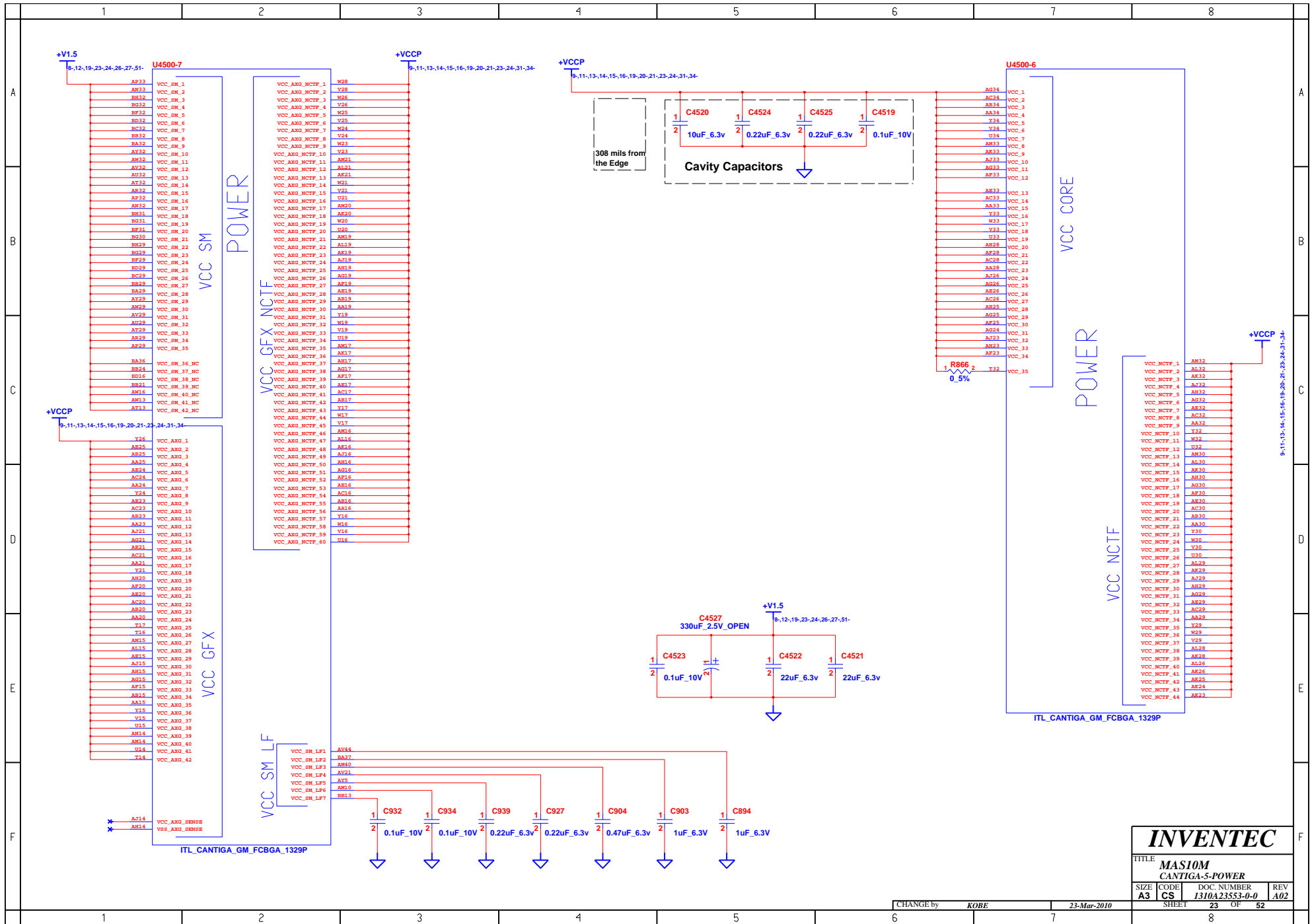


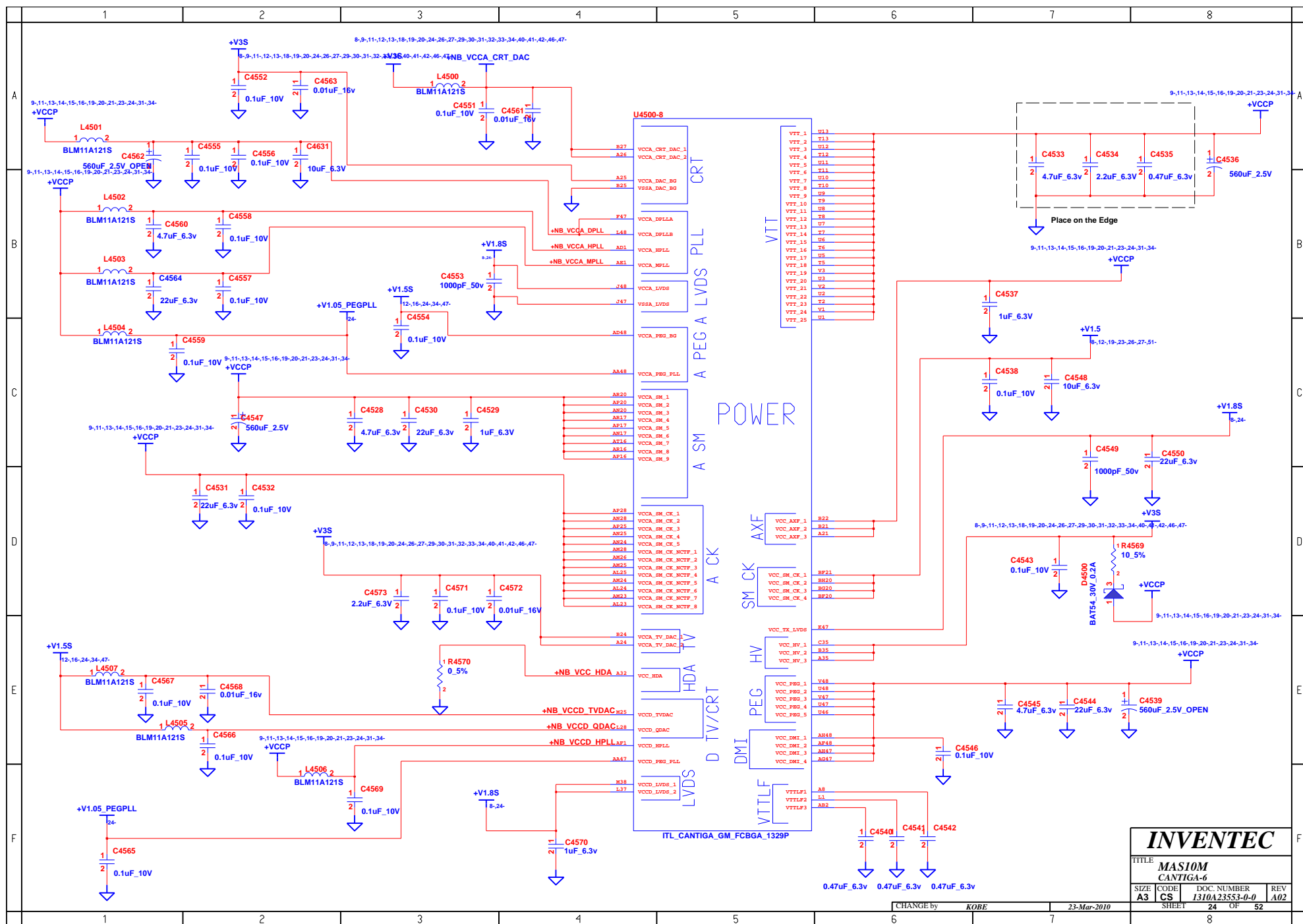
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**MAS10M  
CANTIGA-3-HOST**

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A23553-0-0</b>	REV <b>A02</b>
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C								
D								
E								
F								

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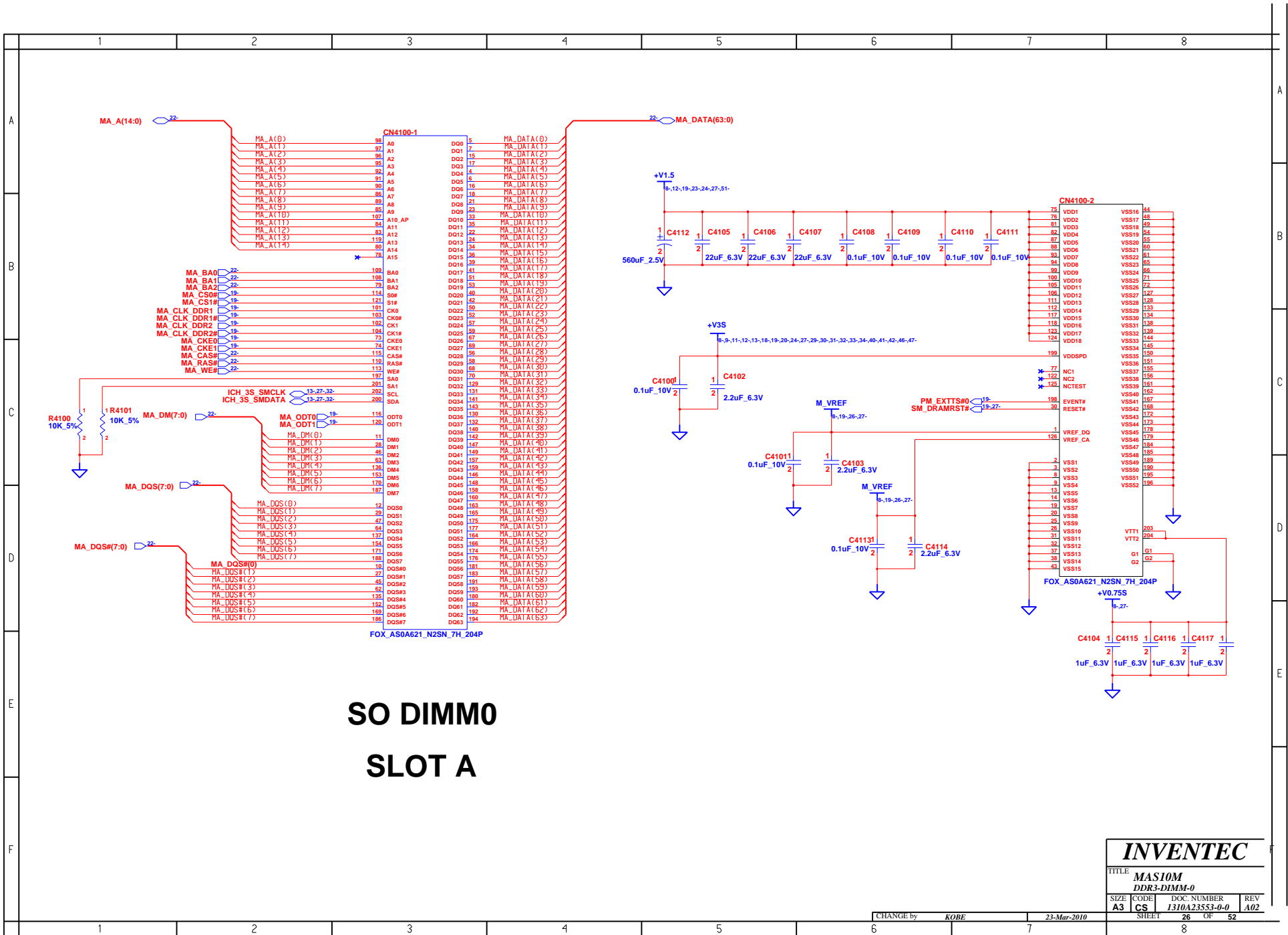
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CANTIGA-7**

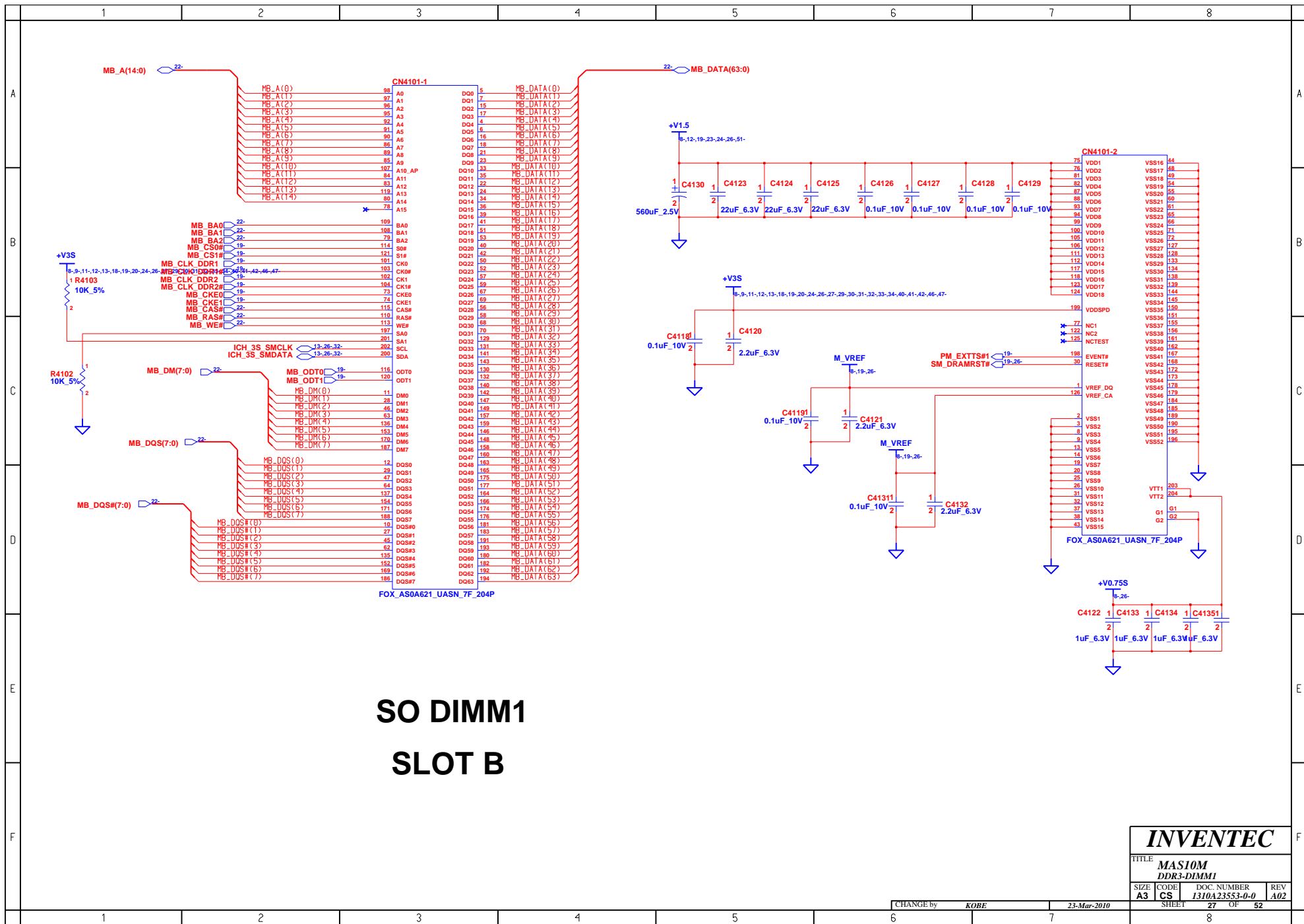
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SHEET <b>25</b>		OF <b>52</b>	

CHANGE by **KOBE**

**23-Mar-2010**

8





SO DIMM1  
SLOT B

INVENTEC

TITLE  
MAS10M  
DDR3-DIMM1

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

CHANGE by KOB 23-Mar-2010

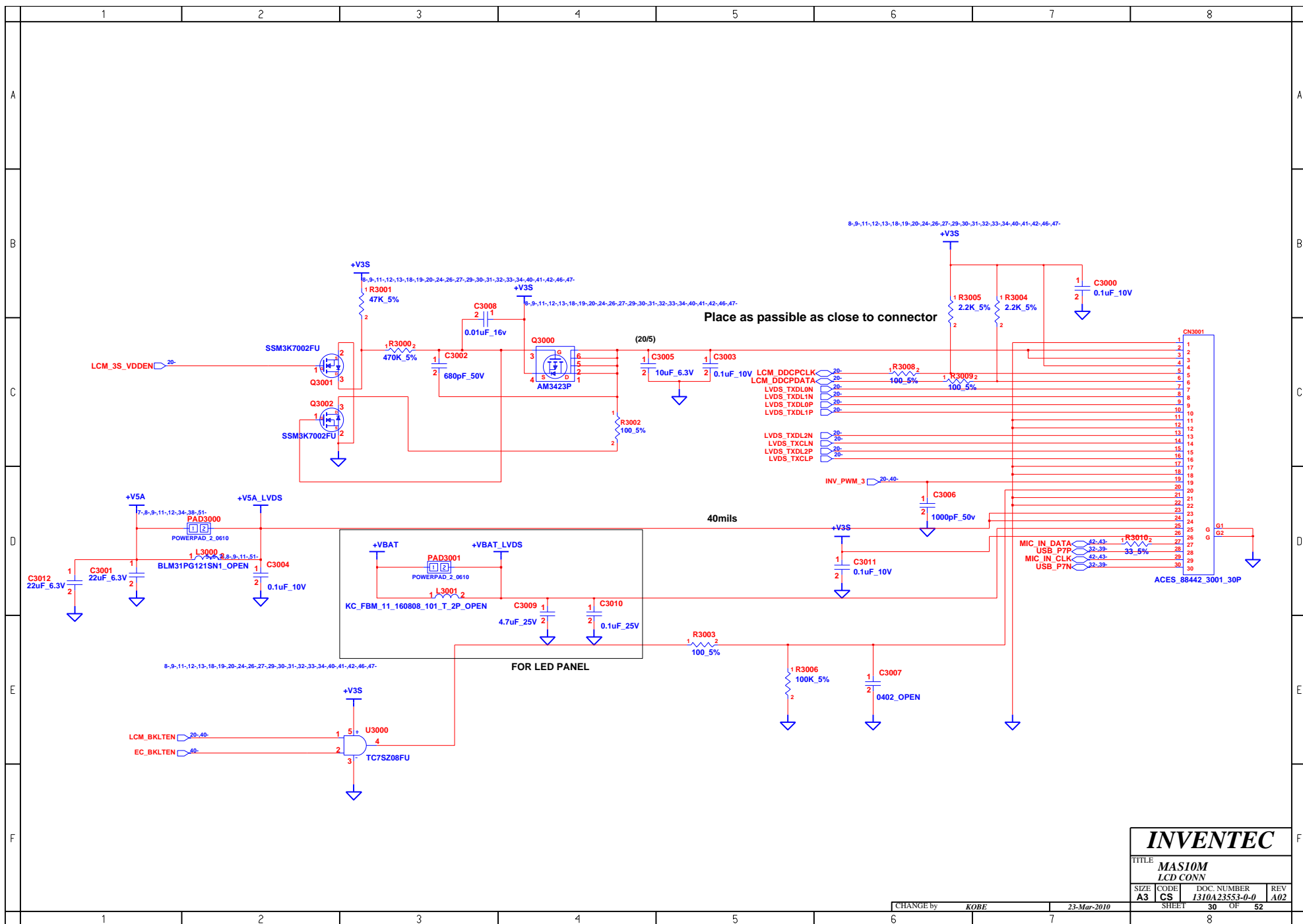
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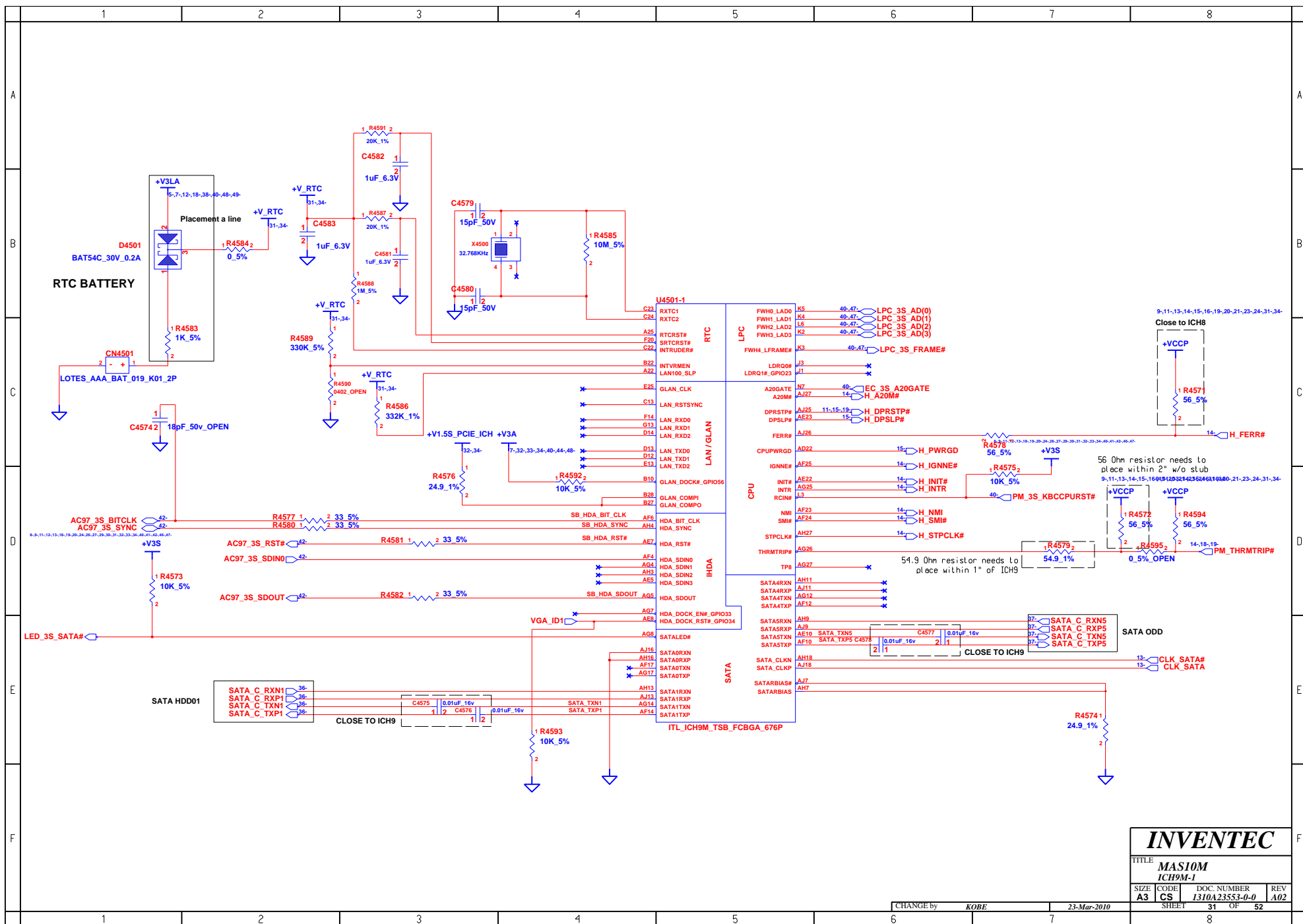
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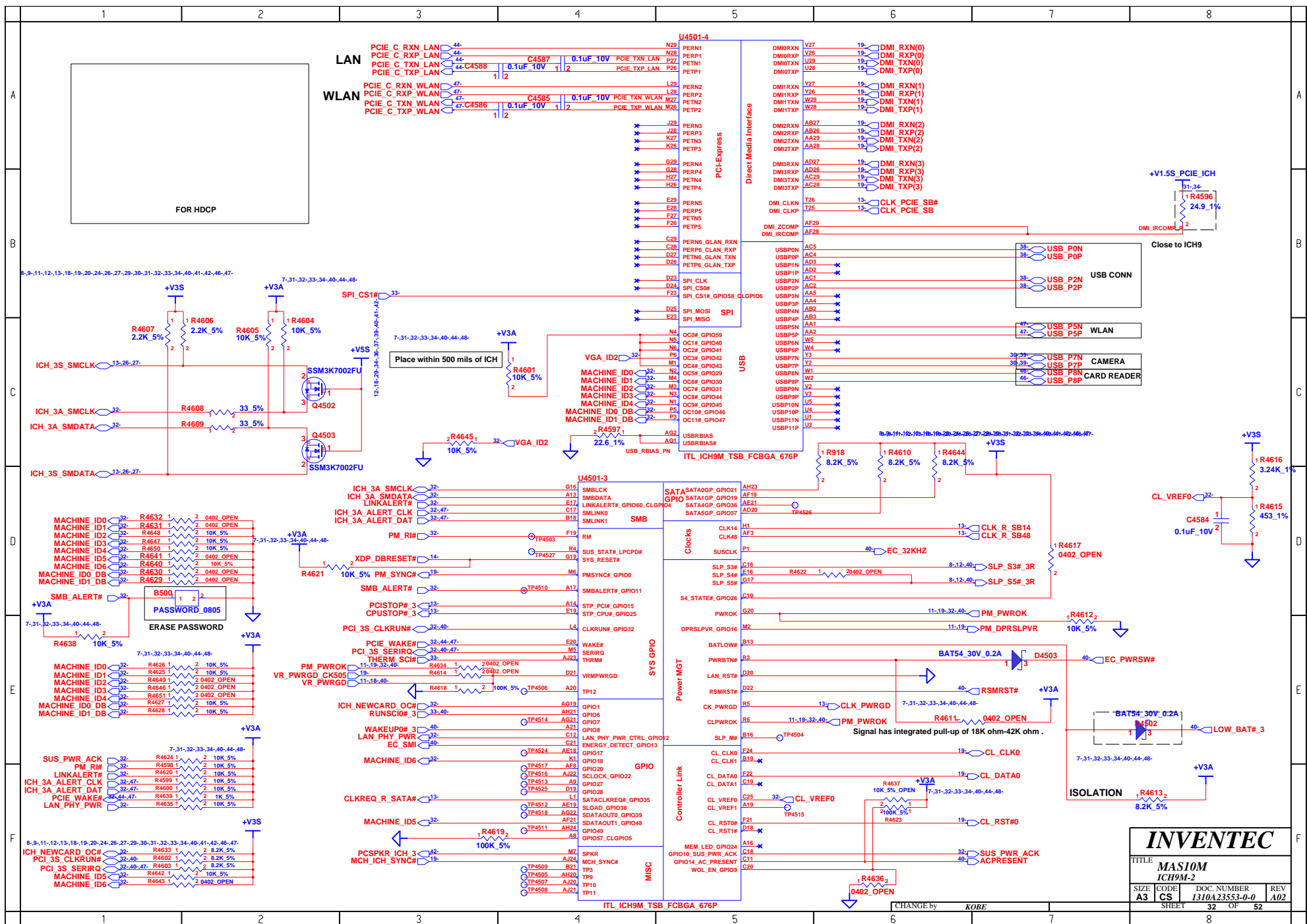
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CHANGE by **KOE** 27-Sep-2003



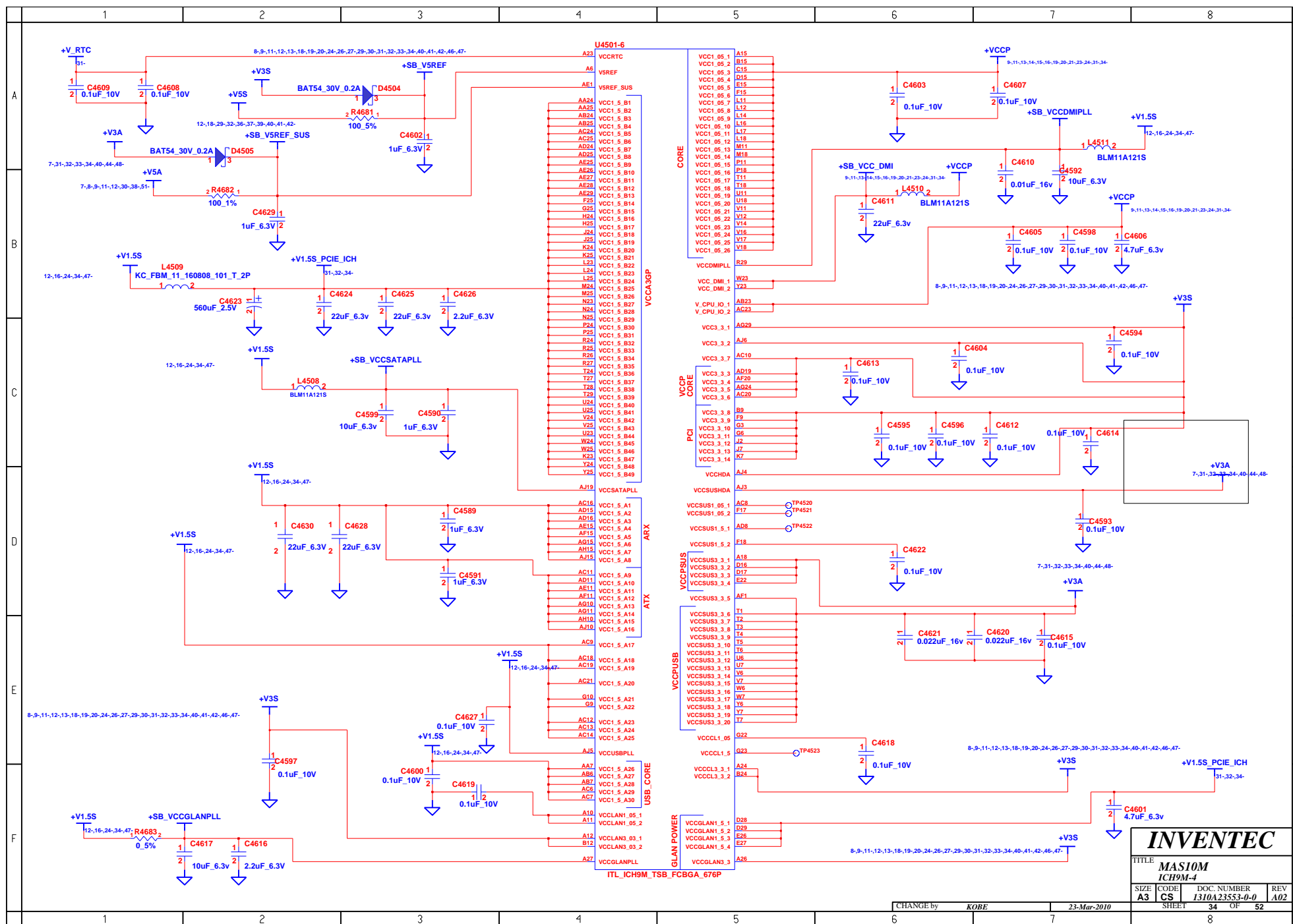












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E									E
F									F

U4501-5

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AA27	VSS002	VSS108	J23
AA3	VSS003	VSS109	J26
AA4	VSS004	VSS110	J27
AB1	VSS005	VSS111	AC22
AA23	VSS006	VSS112	K28
AB26	VSS007	VSS113	K29
AB25	VSS008	VSS114	L13
AB4	VSS009	VSS115	L15
AB5	VSS010	VSS116	L2
AC17	VSS011	VSS117	L26
AC25	VSS012	VSS118	L27
AC27	VSS013	VSS119	L5
AC3	VSS014	VSS120	L7
AD1	VSS015	VSS121	M12
AD10	VSS016	VSS122	M13
AD12	VSS017	VSS123	M14
AD13	VSS018	VSS124	M15
AD14	VSS019	VSS125	M16
AD17	VSS020	VSS126	M17
AD18	VSS021	VSS127	M23
AD21	VSS022	VSS128	M28
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AD23	VSS024	VSS130	N11
AD4	VSS025	VSS131	N12
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AD7	VSS028	VSS134	N15
AD9	VSS029	VSS135	N16
AE13	VSS030	VSS136	N17
AE13	VSS031	VSS137	N18
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AE20	VSS036	VSS142	P14
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AE9	VSS041	VSS147	P23
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AF28	VSS047	VSS153	R12
AF27	VSS048	VSS154	R13
AF3	VSS049	VSS155	R14
AF7	VSS050	VSS156	R15
AF9	VSS051	VSS157	R16
AG13	VSS052	VSS158	R17
AG16	VSS053	VSS159	R18
AG18	VSS054	VSS160	R28
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AG23	VSS056	VSS162	T13
AG3	VSS057	VSS163	T14
AG5	VSS058	VSS164	T15
AG9	VSS059	VSS165	T16
AH12	VSS060	VSS166	T17
AH14	VSS061	VSS167	T23
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AH19	VSS063	VSS169	U12
AH2	VSS064	VSS170	U13
AH22	VSS065	VSS171	U14
AH23	VSS066	VSS172	U15
AH28	VSS067	VSS173	U16
AH5	VSS068	VSS174	U17
AH6	VSS069	VSS175	AD23
AJ12	VSS070	VSS176	U26
AJ14	VSS071	VSS177	U27
AJ17	VSS072	VSS178	U3
AJ8	VSS073	VSS179	V1
B11	VSS074	VSS180	V13
B14	VSS075	VSS181	V15
B17	VSS076	VSS182	V23
B3	VSS077	VSS183	V28
B20	VSS078	VSS184	V29
B23	VSS079	VSS185	V4
B5	VSS080	VSS186	V5
B5	VSS081	VSS187	W26
C26	VSS082	VSS188	W27
C27	VSS083	VSS189	W3
E11	VSS084	VSS190	Y1
E14	VSS085	VSS191	Y28
E18	VSS086	VSS192	Y29
E2	VSS087	VSS193	Y4
E21	VSS088	VSS194	Y5
E24	VSS089	VSS195	AG28
E5	VSS090	VSS196	AH6
E8	VSS091	VSS197	AF2
F16	VSS092	VSS198	B25
F28	VSS093		
F29	VSS094	VSS_NCTF1	A1
G14	VSS095	VSS_NCTF2	A2
G14	VSS096	VSS_NCTF3	A28
G19	VSS097	VSS_NCTF4	A29
G21	VSS098	VSS_NCTF5	AH1
G24	VSS099	VSS_NCTF6	AH28
G25	VSS100	VSS_NCTF7	AJ1
G27	VSS101	VSS_NCTF8	AJ2
G8	VSS102	VSS_NCTF9	AJ28
H3	VSS103	VSS_NCTF10	AJ29
H25	VSS104	VSS_NCTF11	B1
H28	VSS105	VSS_NCTF12	B29
H28	VSS106		

ITL ICH9M\_TSB\_FCBGA\_676P

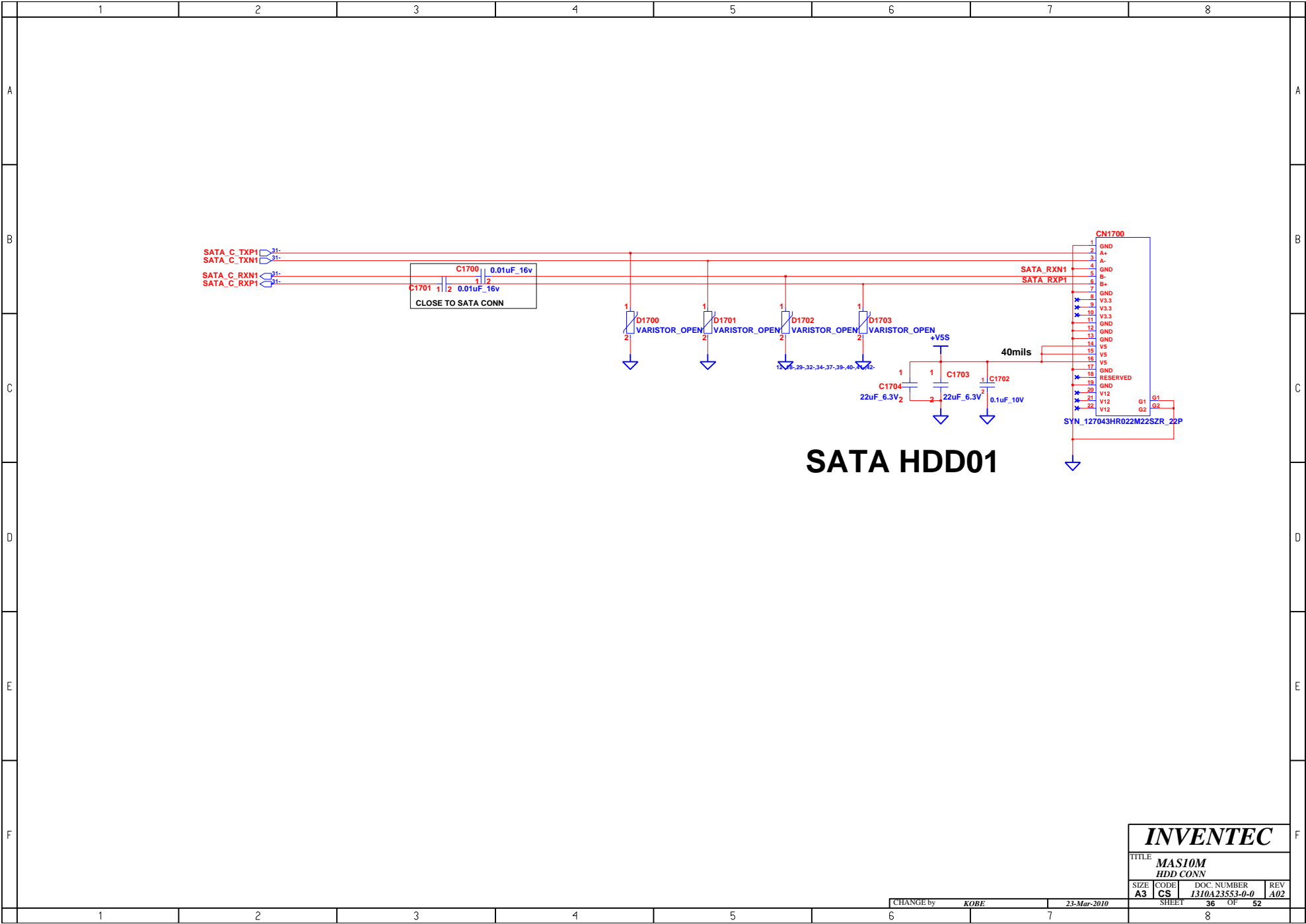
INVENTEC

TITLE  
MAS10M  
ICH9M-5

SIZE A3	CODE CS	DOC. NUMBER I310A23553-0-0	REV A02
SHEET		35 OF	52

CHANGE by KOBE 23-Mar-2010

8

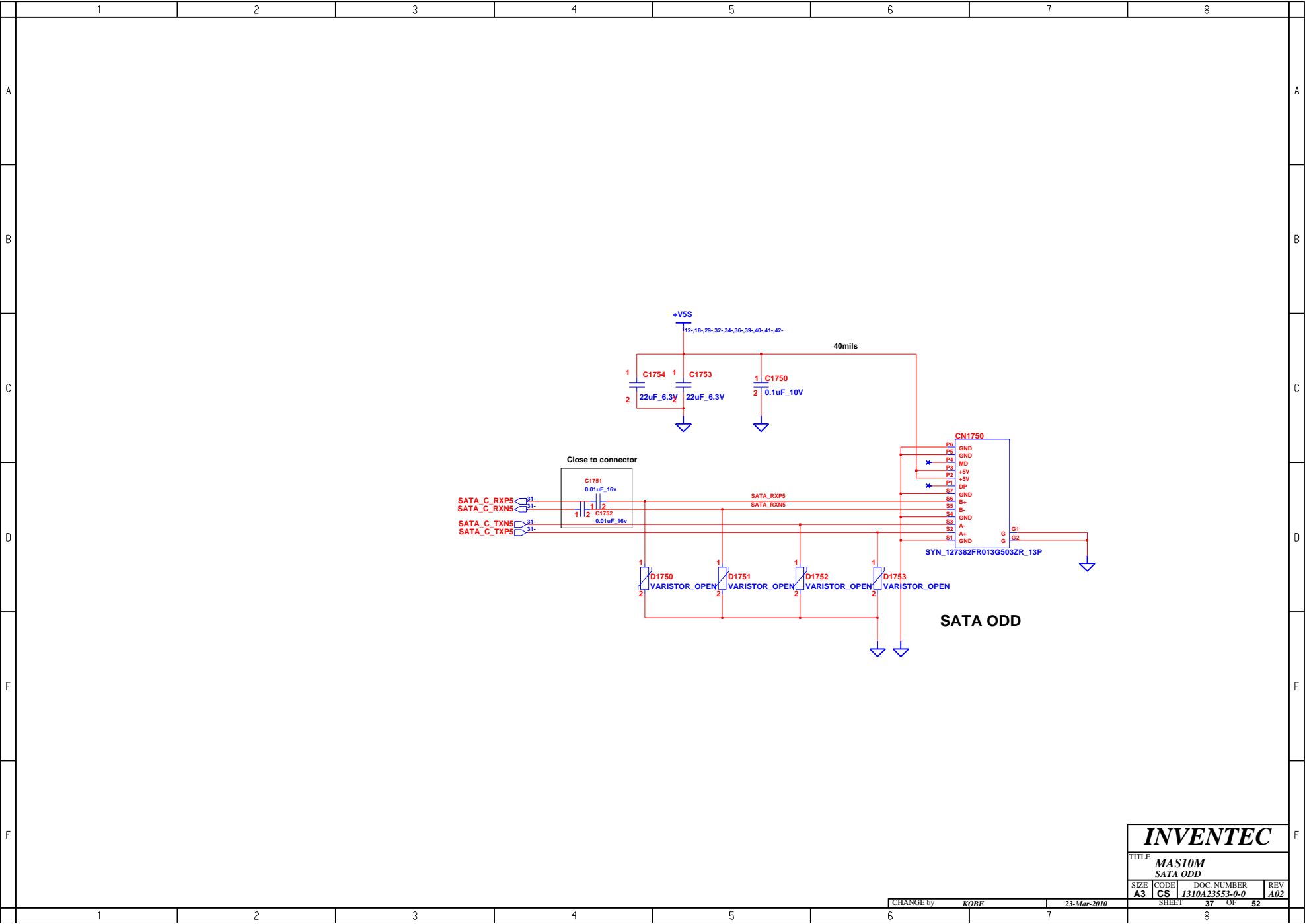


**INVENTEC**

TITLE  
**MAS10M  
HDD CONN**

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>I310A23553-0-0</b>	REV <b>A02</b>
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CHANGE by <b>KOBE</b>	23-Mar-2010	SHEET <b>36</b>	OF <b>52</b>
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# INVENTEC

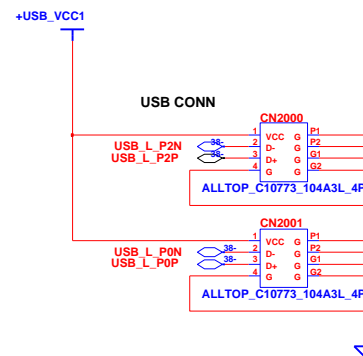
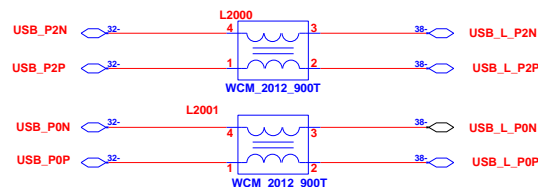
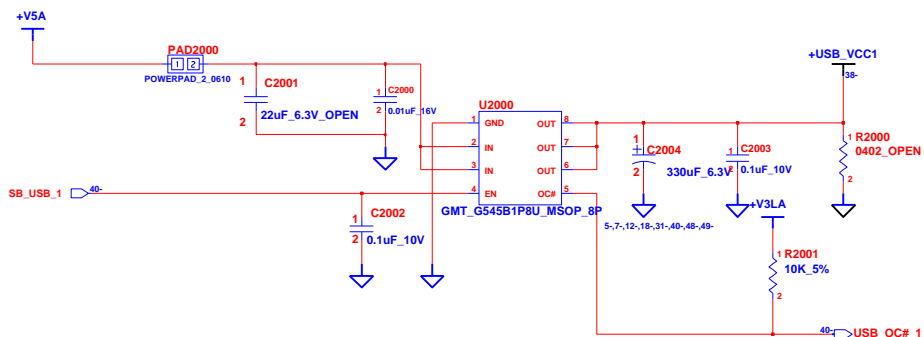
TITLE  
**MAS10M**  
**SATA ODD**

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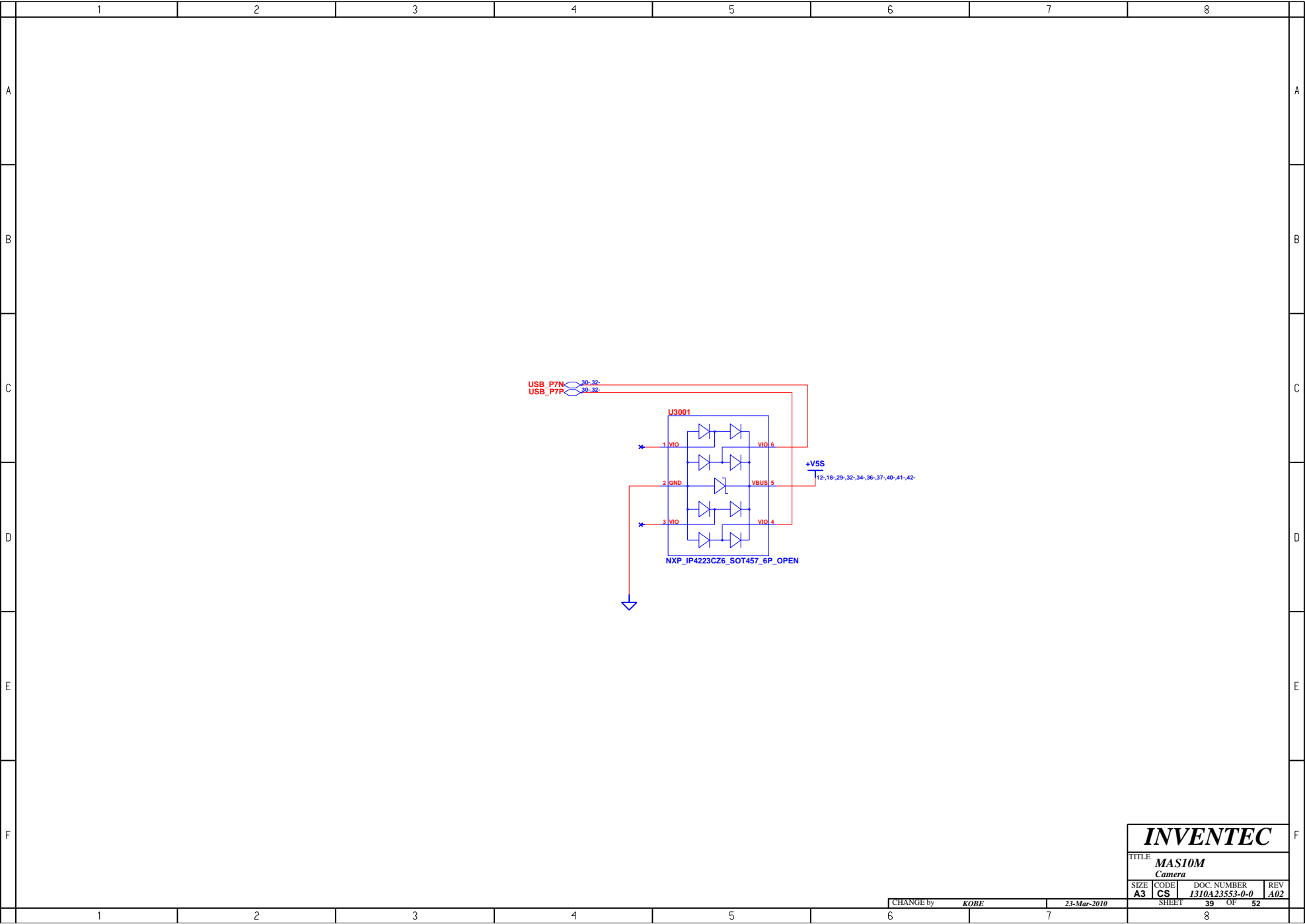
CHANGE by **KOBE** 23-Mar-2010

SHEET 37 OF 52

7,-8,-9,-11,-12,-30,-34,-51-

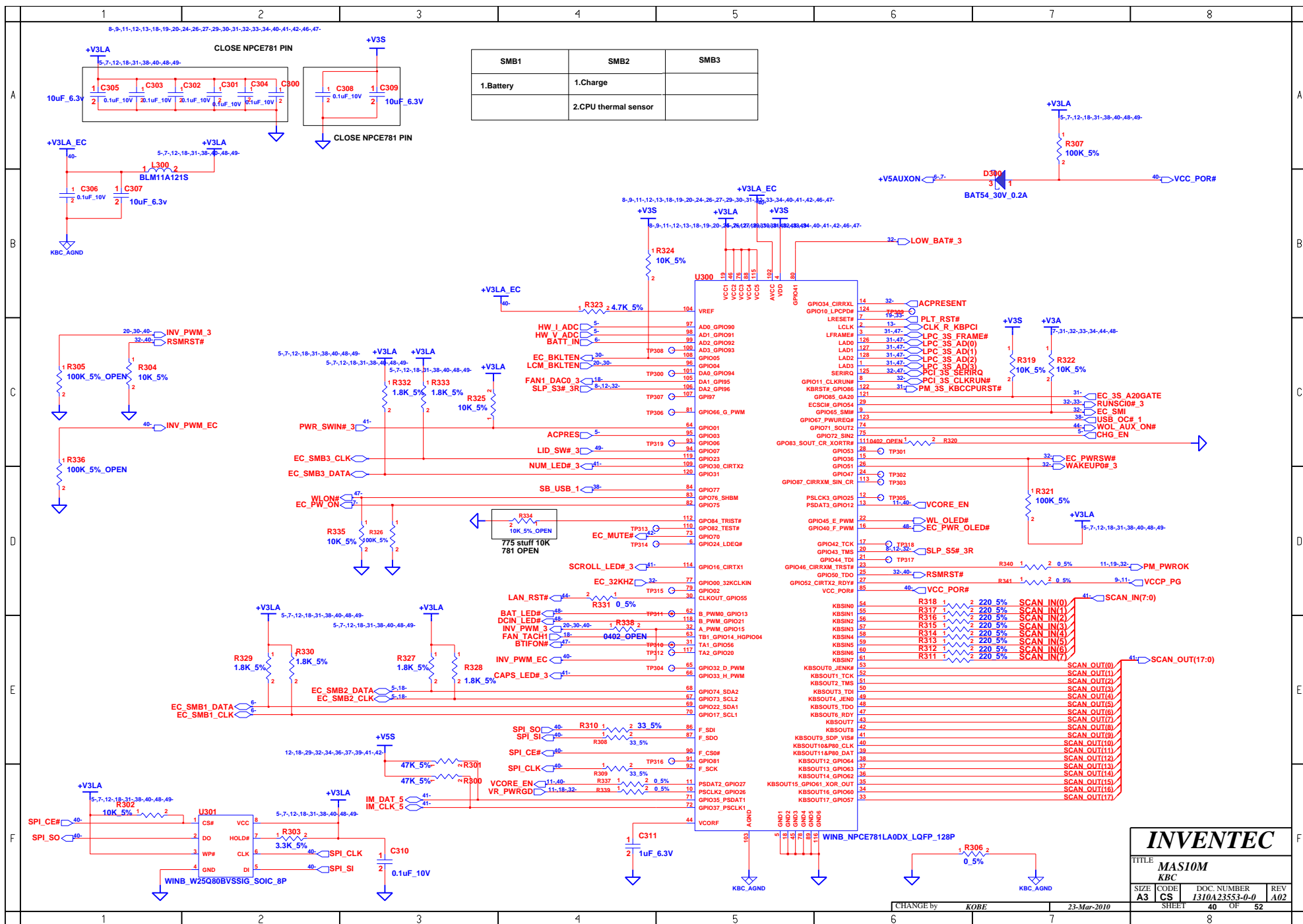


INVENTEC			
TITLE			
MAS10M			
USB CONN/USB(DB)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23553-0-0	A02
CHANGE by		23-Mar-2010	
SHEET		38	OF 52

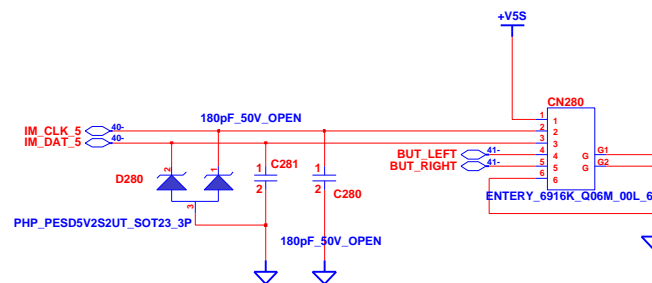
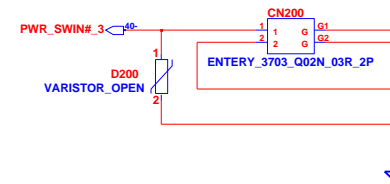


**INVENTEC**

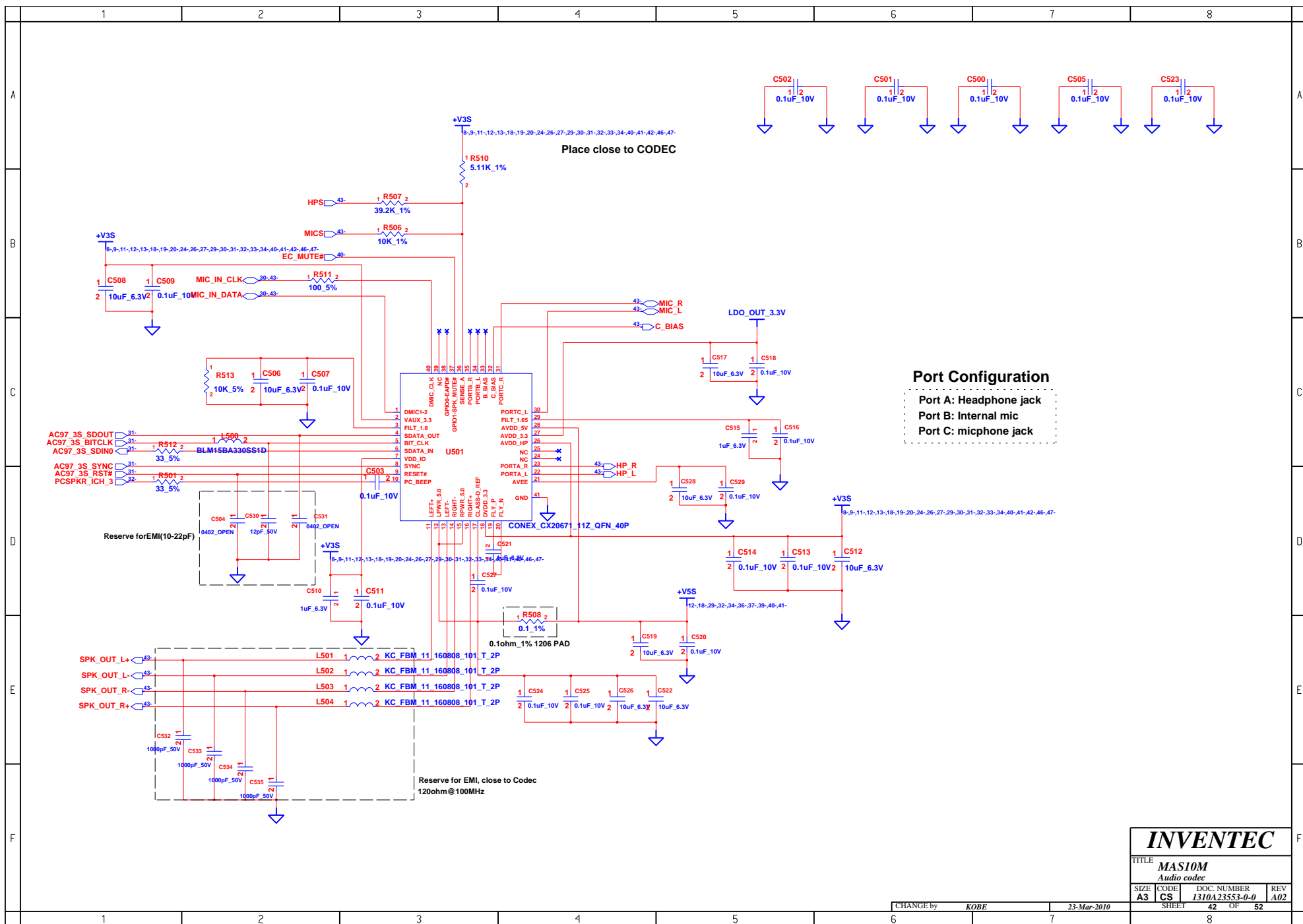
TITLE			
MAS10M			
Camera			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23553-0-0	A02
SHEET		39	OF 52



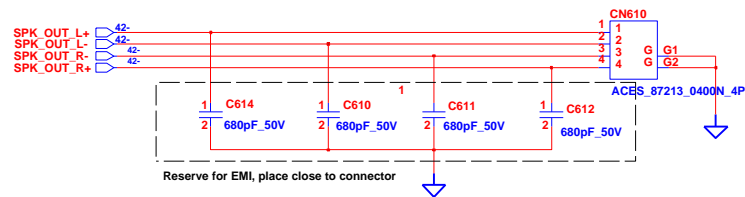




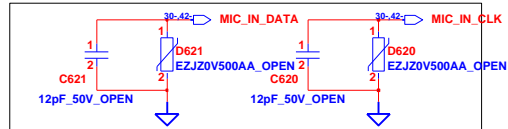
CHANGE by	<b>KOBE</b>	23-Mar-2010
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## INTERNAL SPEAKERS

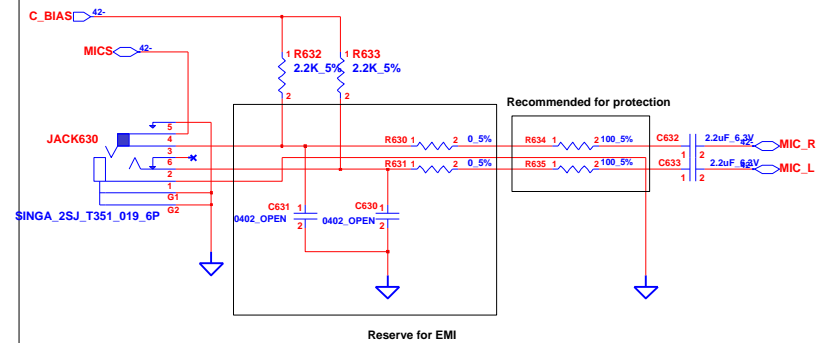


## INTERNAL MIC

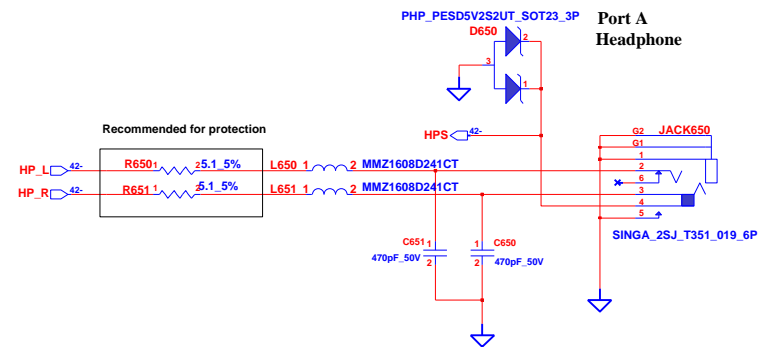


## AUDIO JACKS

### Port C External microphone



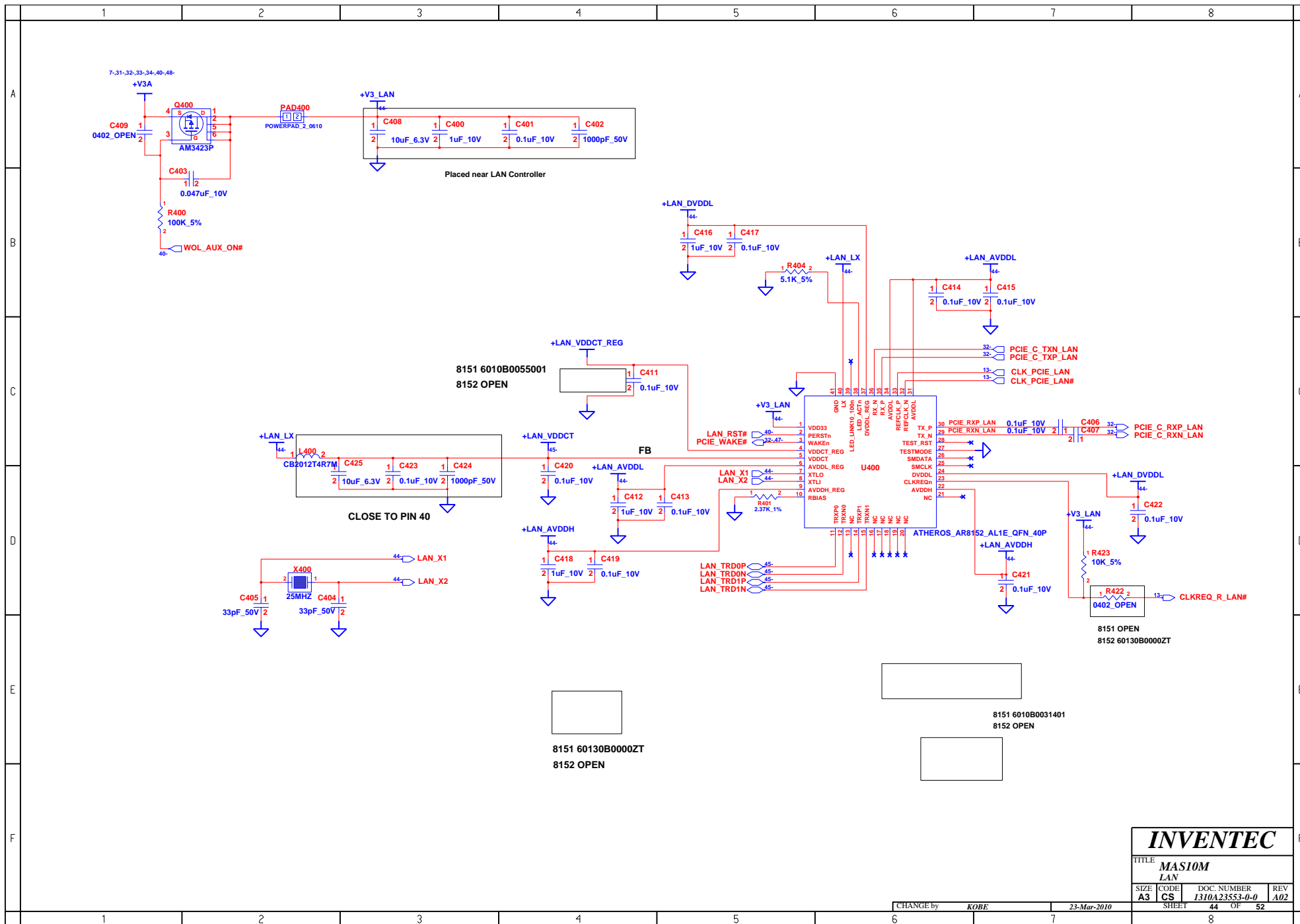
### Port A Headphone

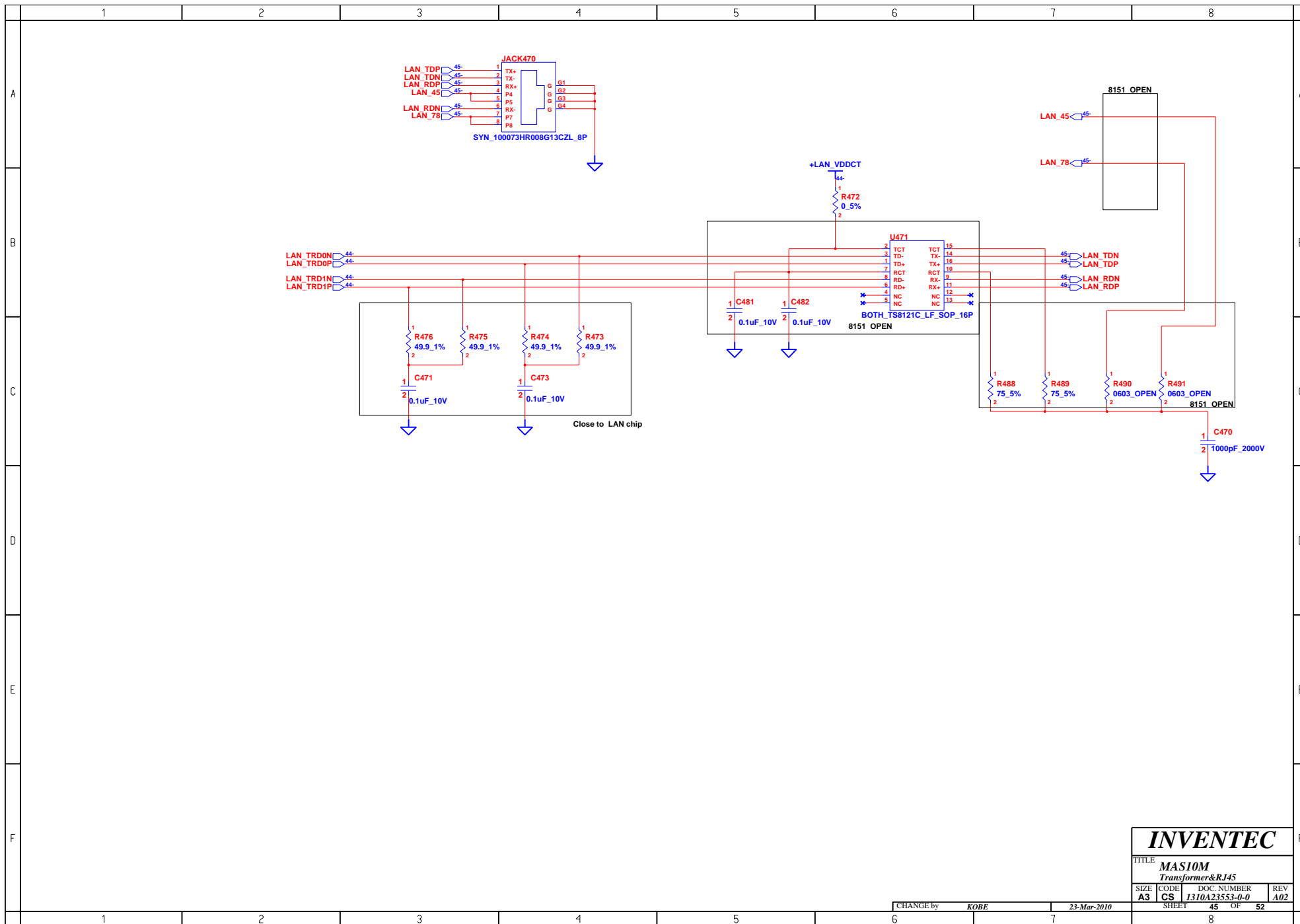


**INVENTEC**

TITLE			
MAS10M			
Audio AMP&MIC&Speaker			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
SHEET		43	OF 52

CHANGE by KOBE 23-Mar-2010



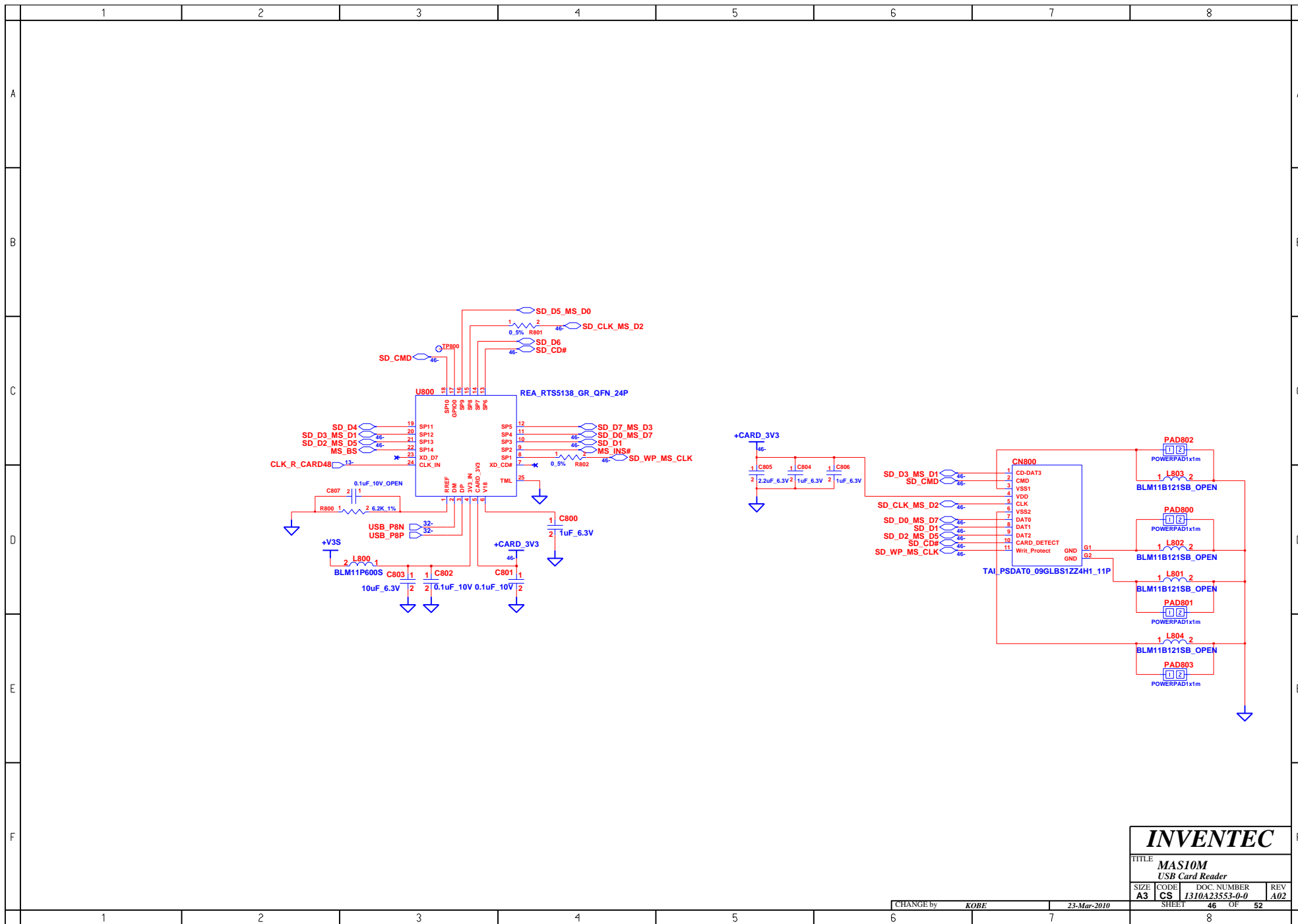


**INVENTEC**

TITLE			
MAS10M			
Transformer&RJ45			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

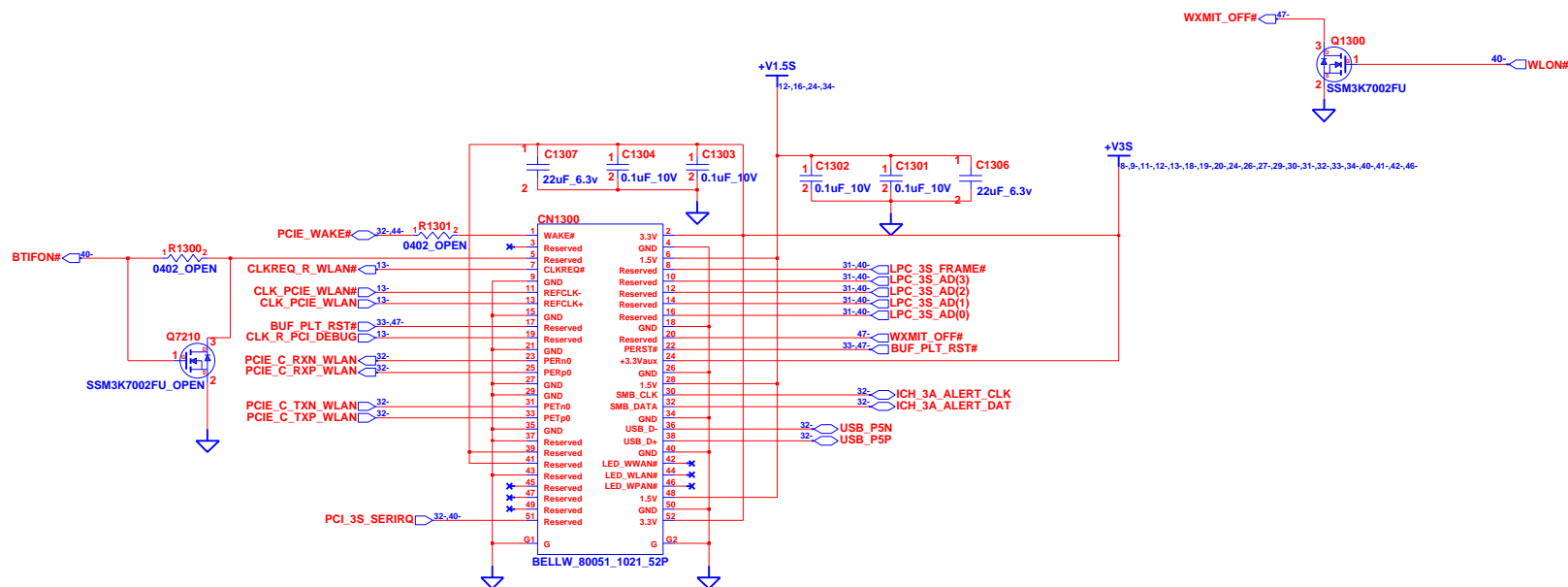
CHANGE by KOBE 23-Mar-2010

SHEET 45 OF 52



INVENTEC			
TITLE			
MAS10M			
USB Card Reader			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
CHANGE by		23-Mar-2010	
SHEET		46	OF 52

# Wireless & Debug card

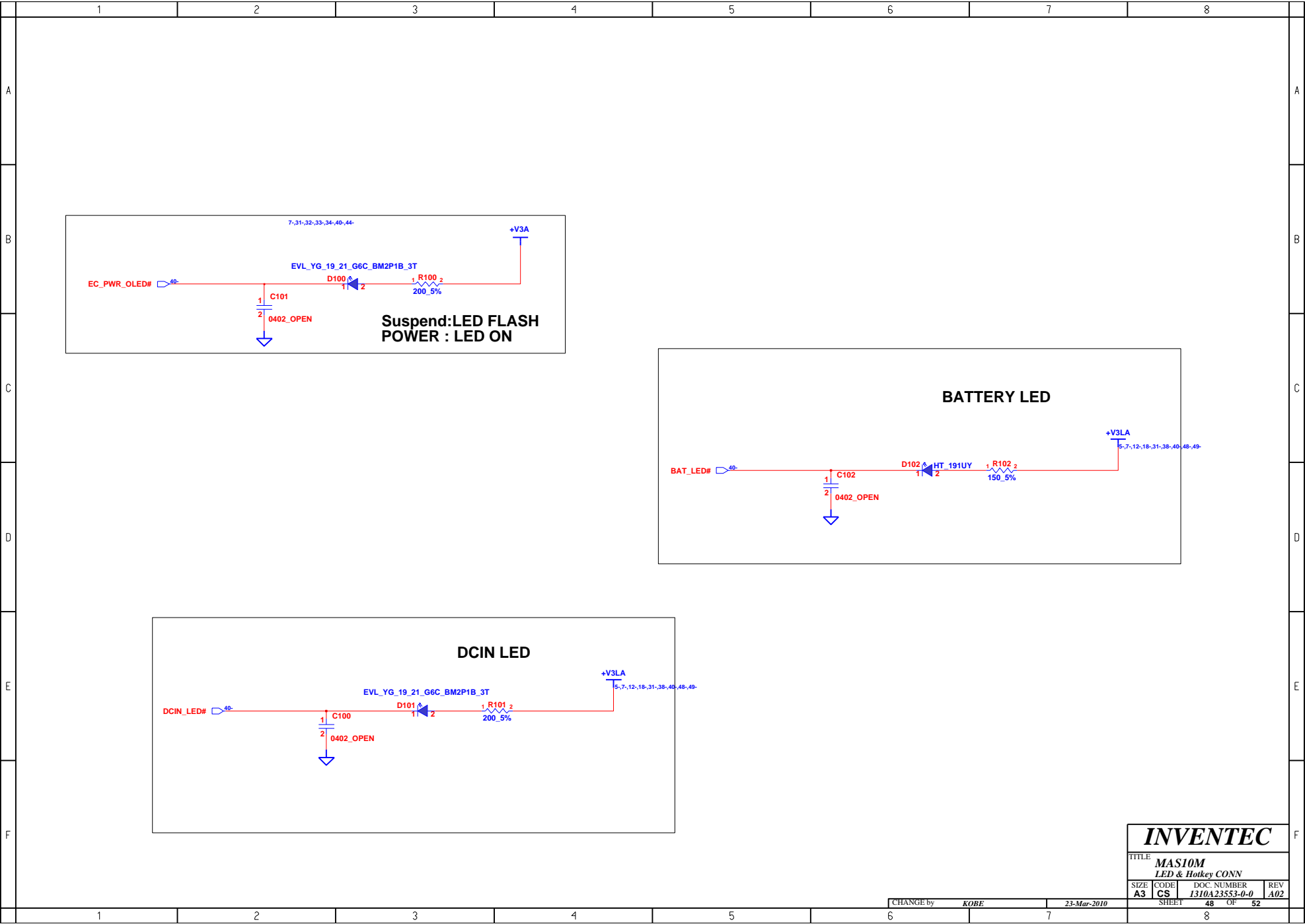


**INVENTEC**

TITLE			
MAS10M			
Wireless & debug card			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23553-0-0	A02

CHANGE by KOBE 23-Mar-2010

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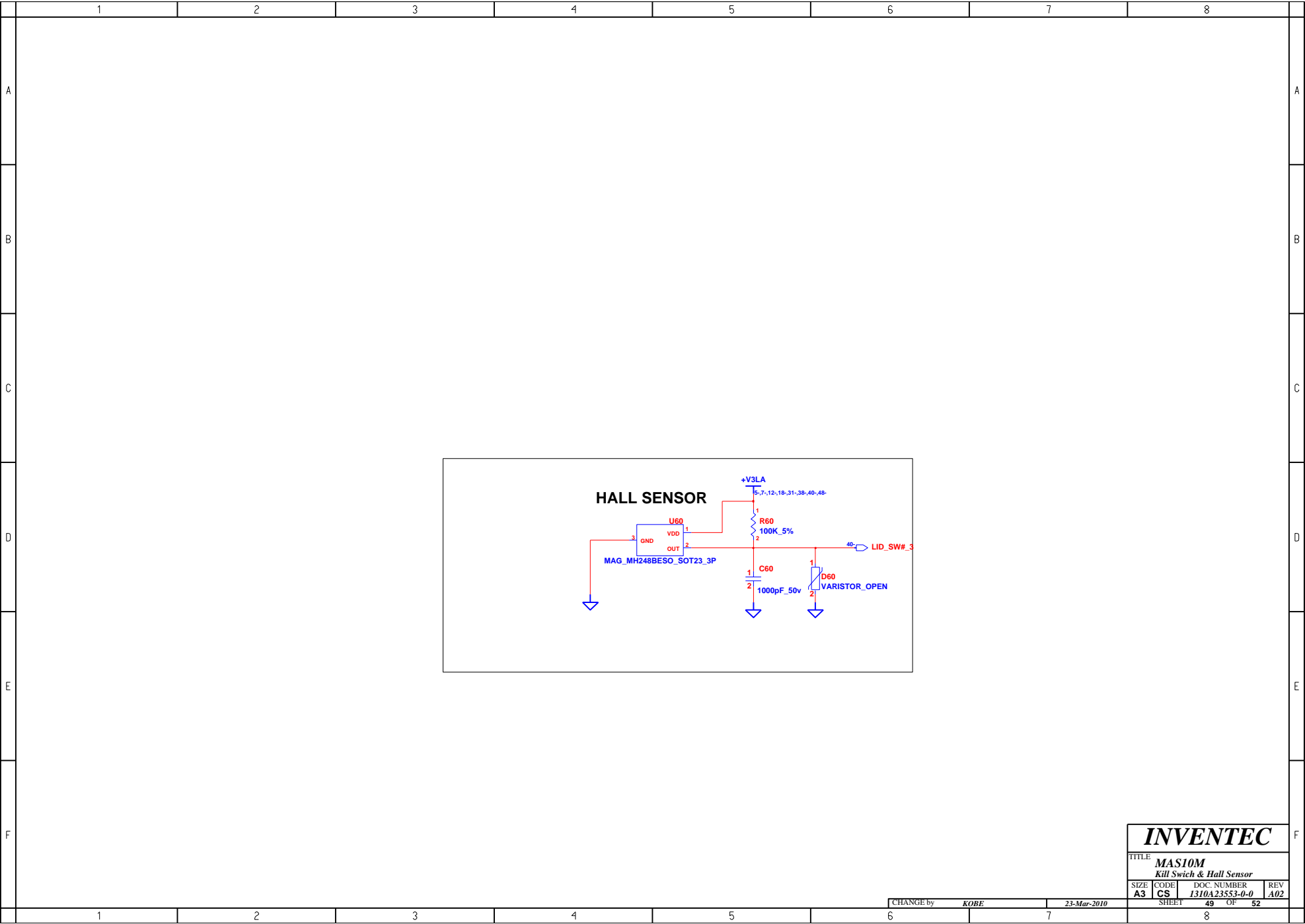
INVENTEC

TITLE  
MAS10M  
LED & Hotkey CONN

SIZE CODE DOC. NUMBER REV  
A3 CS I310A23553-0-0 A02

SHEET 48 OF 52



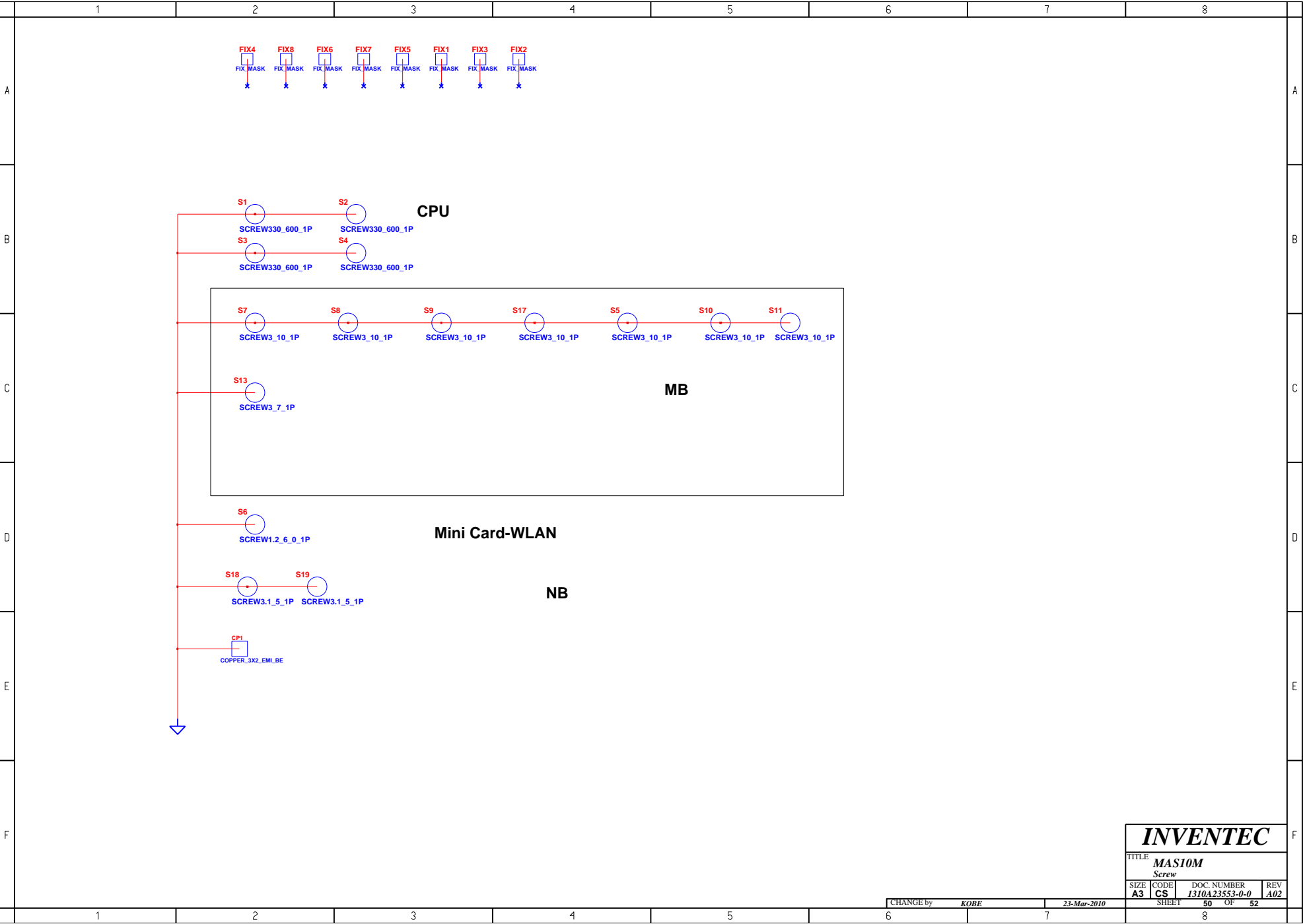


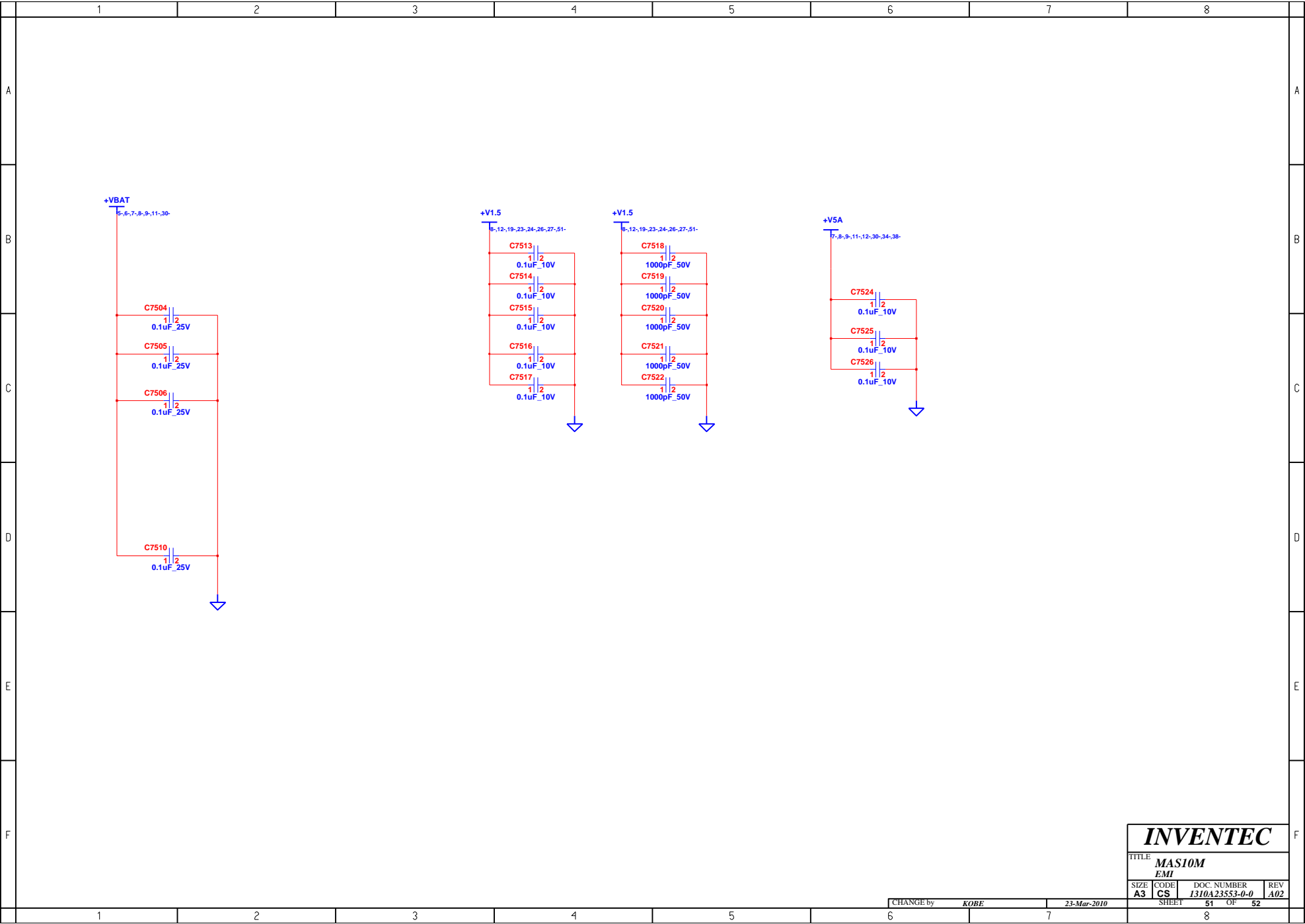
**INVENTEC**

TITLE  
**MAS10M**  
*Kill Switch & Hall Sensor*

SIZE CODE DOC. NUMBER REV  
**A3 CS I310A23553-0-0 A02**

SHEET 49 OF 52





**INVENTEC**

TITLE			
MAS10M			
EMI			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23553-0-0	A02

CHANGE by KOBE 23-Mar-2010

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