

**2008/03/25**

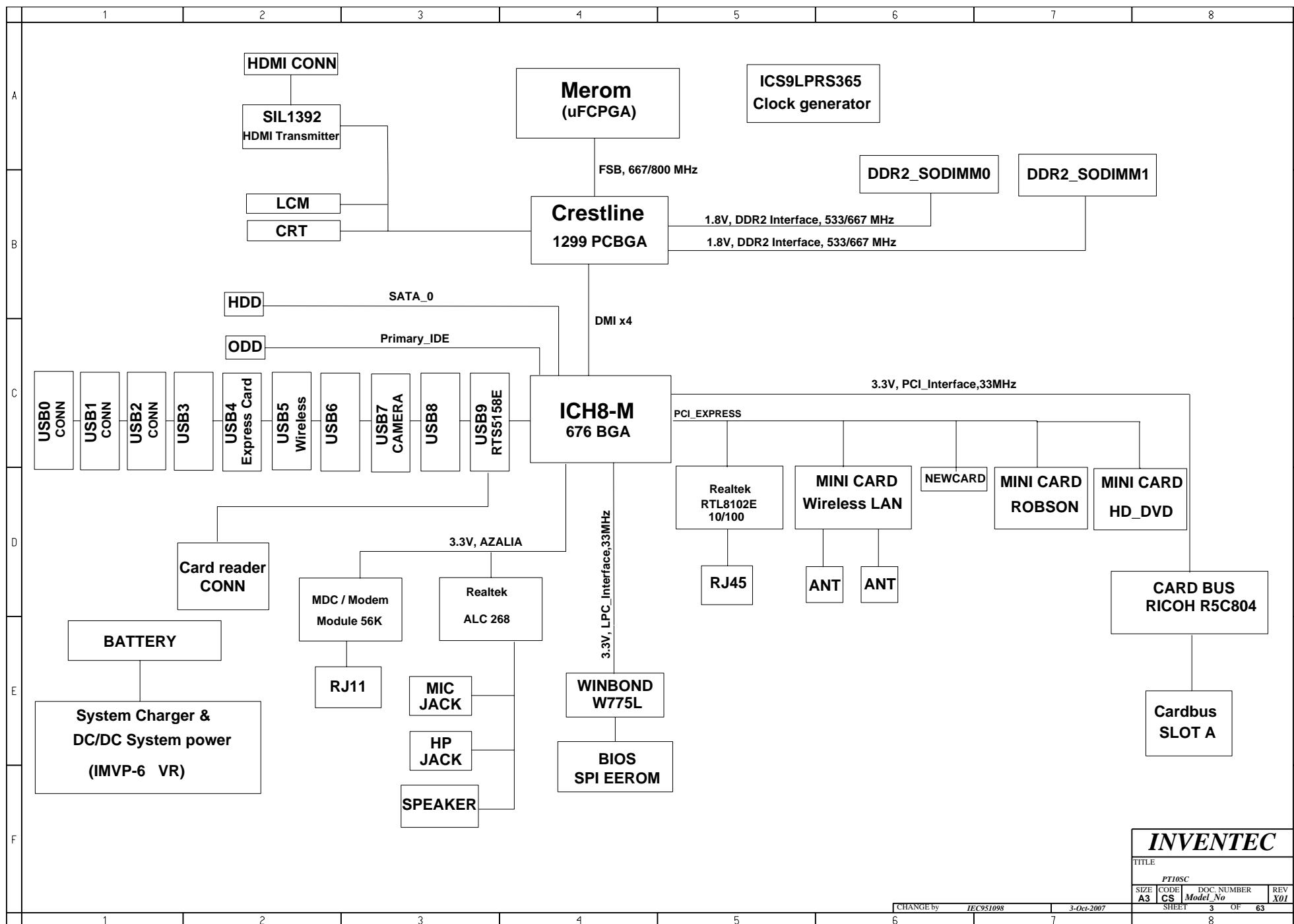
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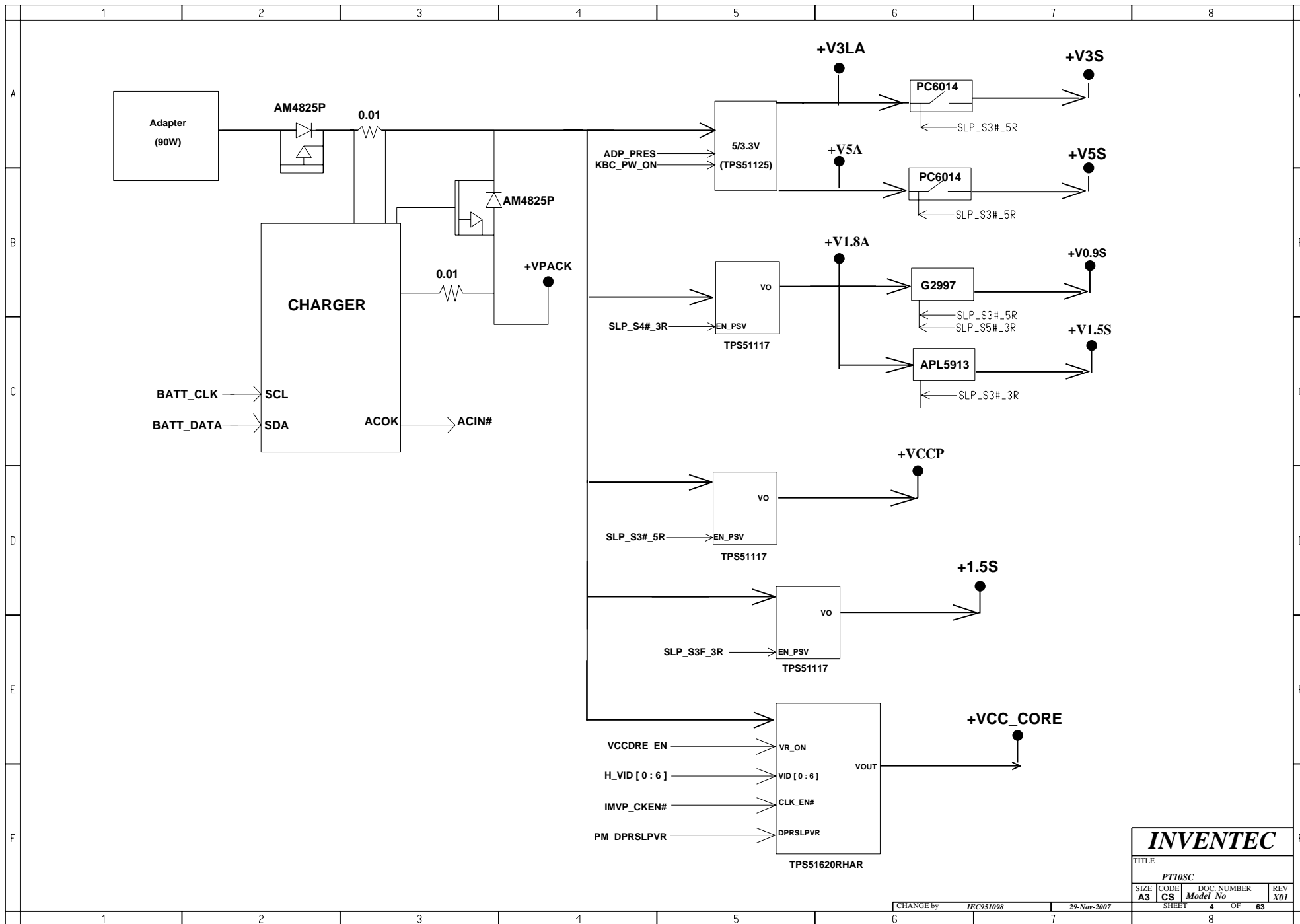
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**INVENTEC**

TITLE			
PT10SC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		2	OF 63

CHANGE by IEC951098 28-Aug-2007





**INVENTEC**

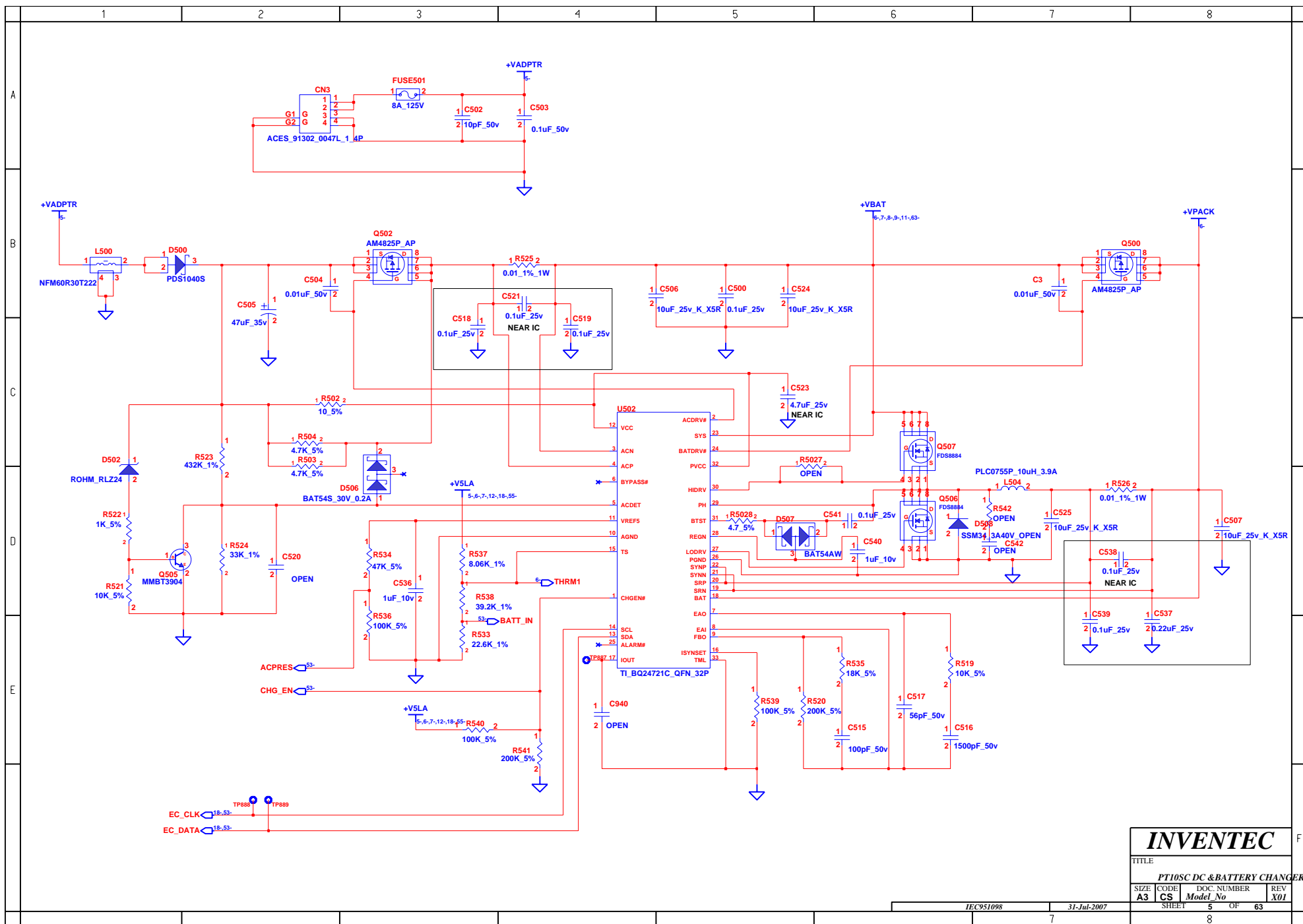
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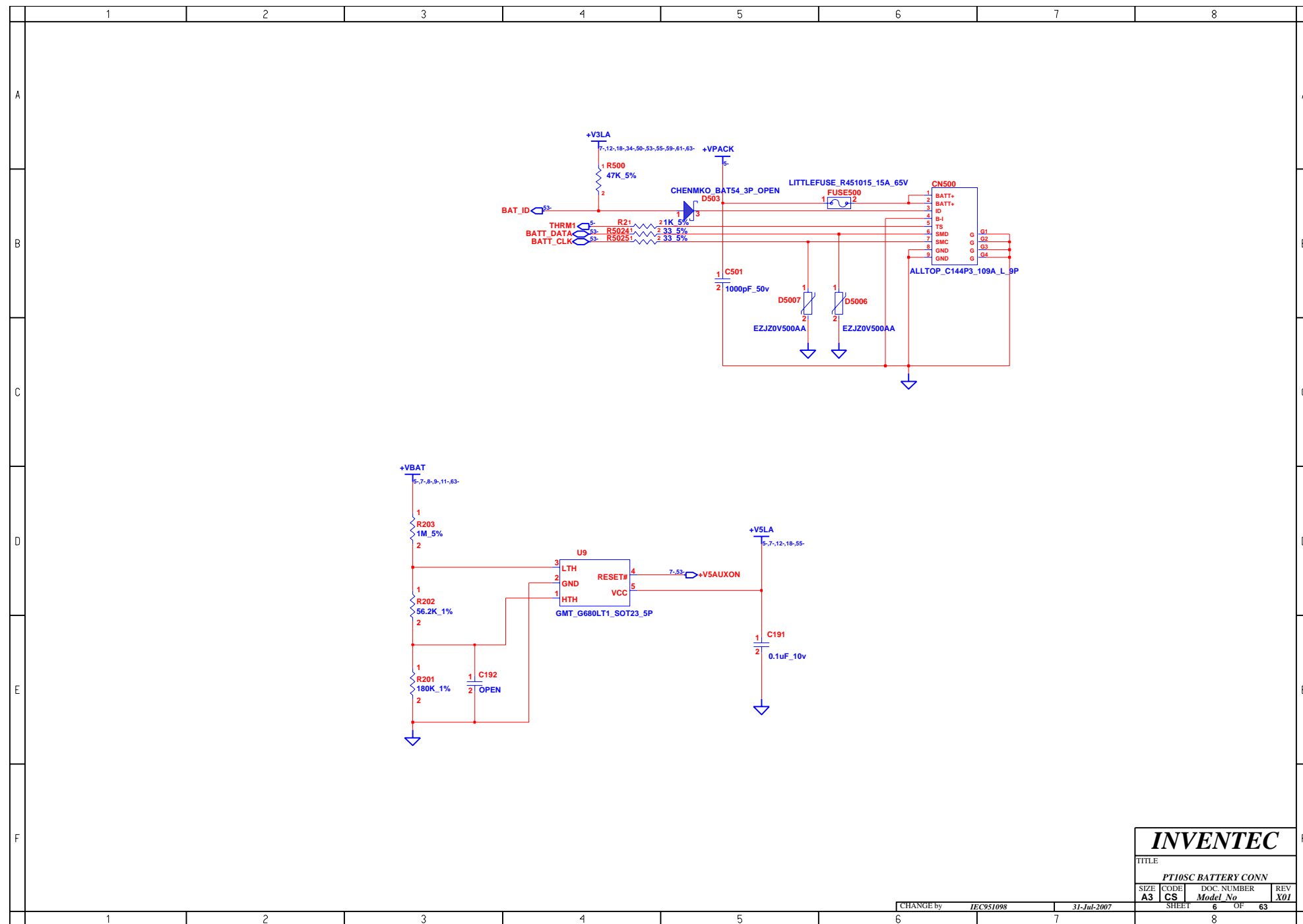
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SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>Model_No</i>	REV <b>X01</b>
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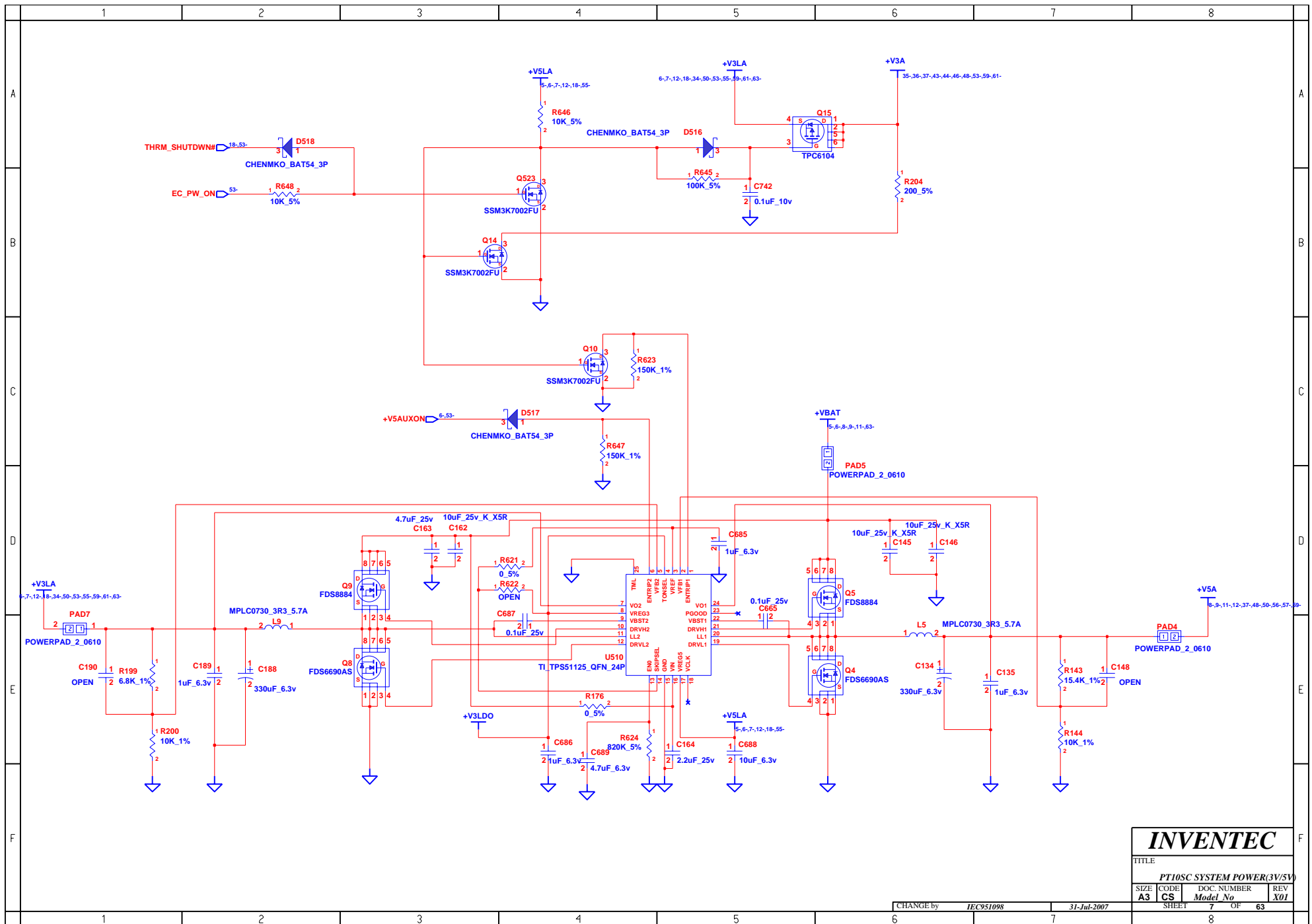
CHANGE by *IEC951098* 29-Nov-2007

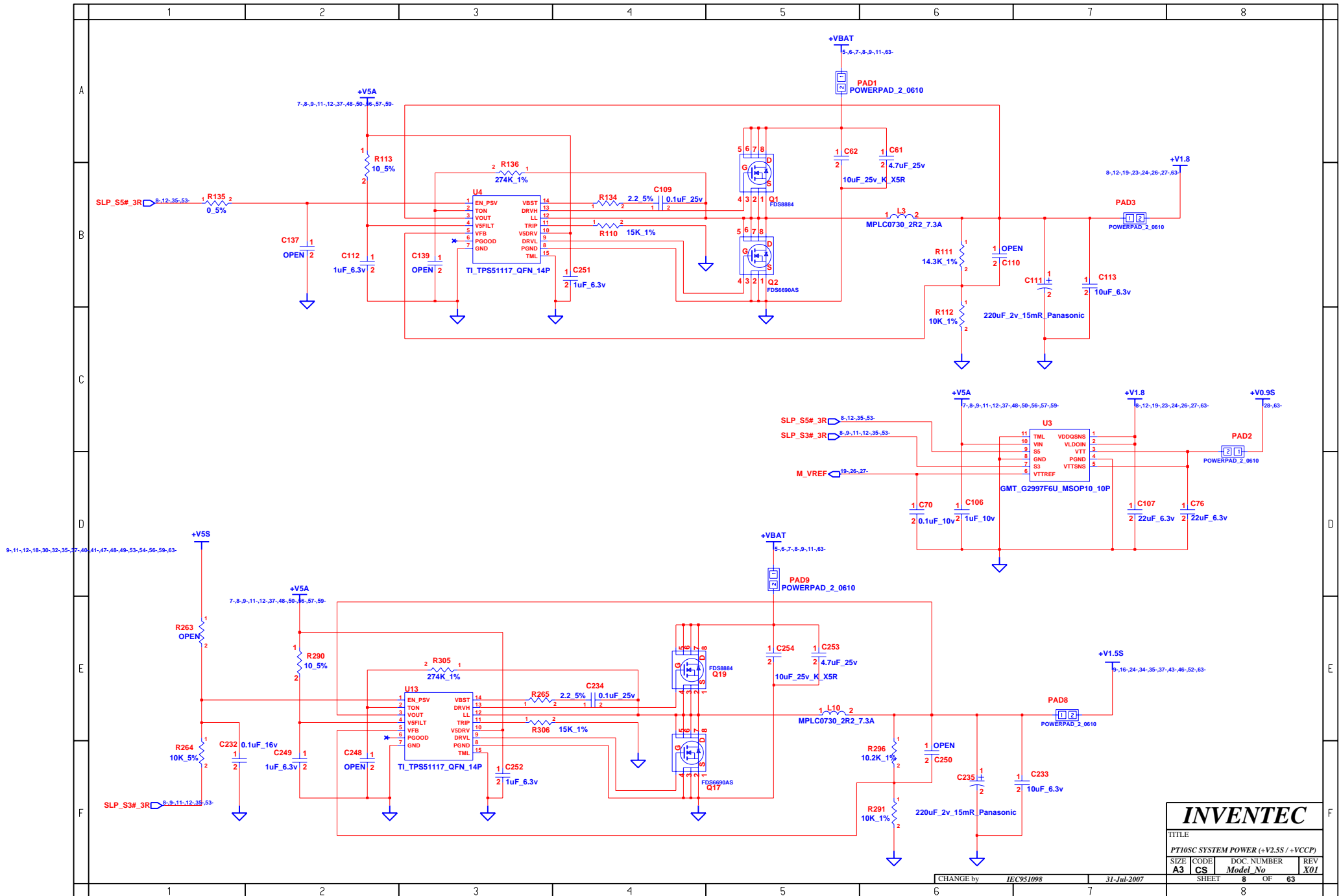
SHEET 4 OF 63





INVENTEC			
TITLE			
PT10SC BATTERY CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
CHANGE by		SHEET	OF
IEC951098		6	63
31-Jul-2007		8	





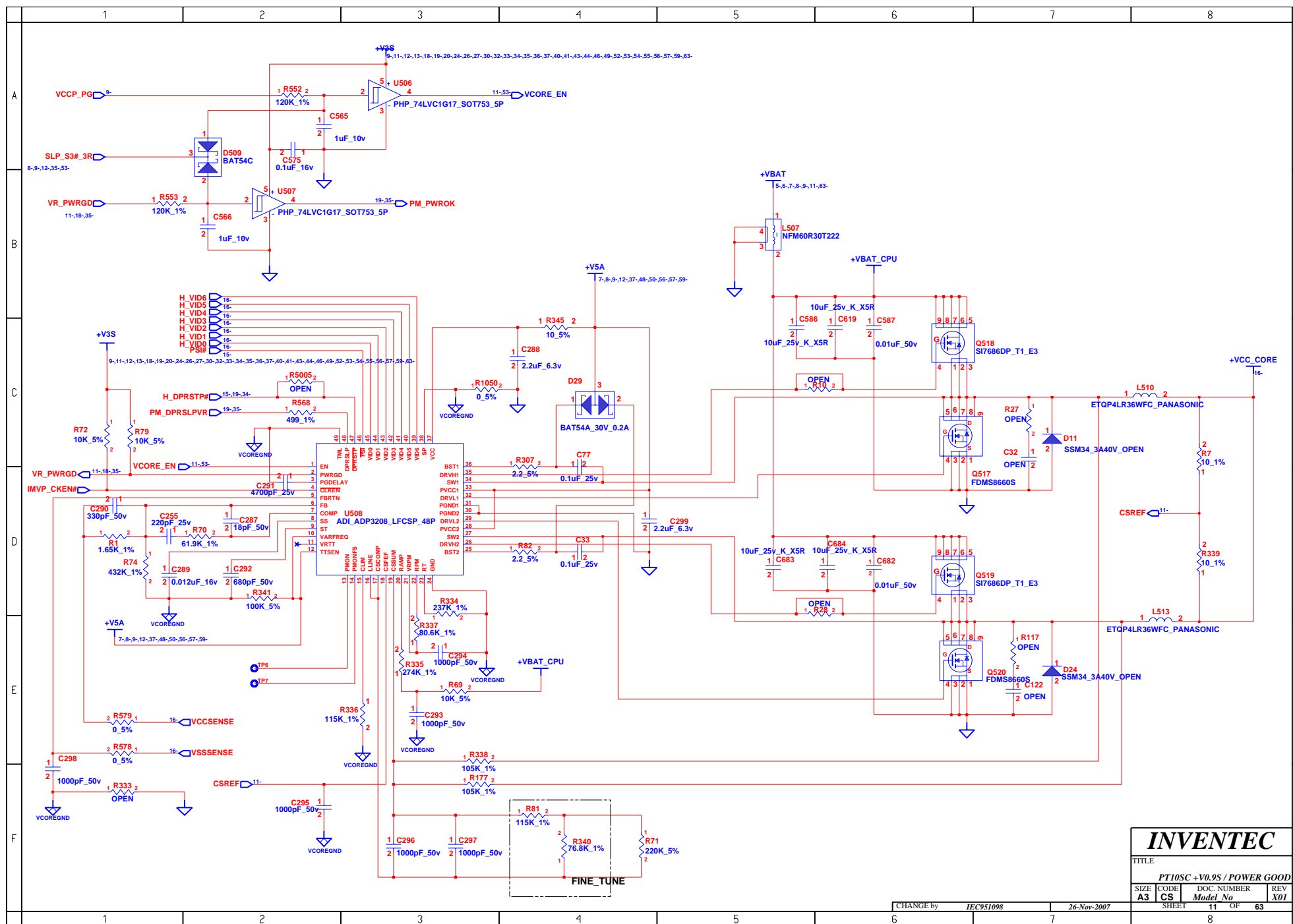


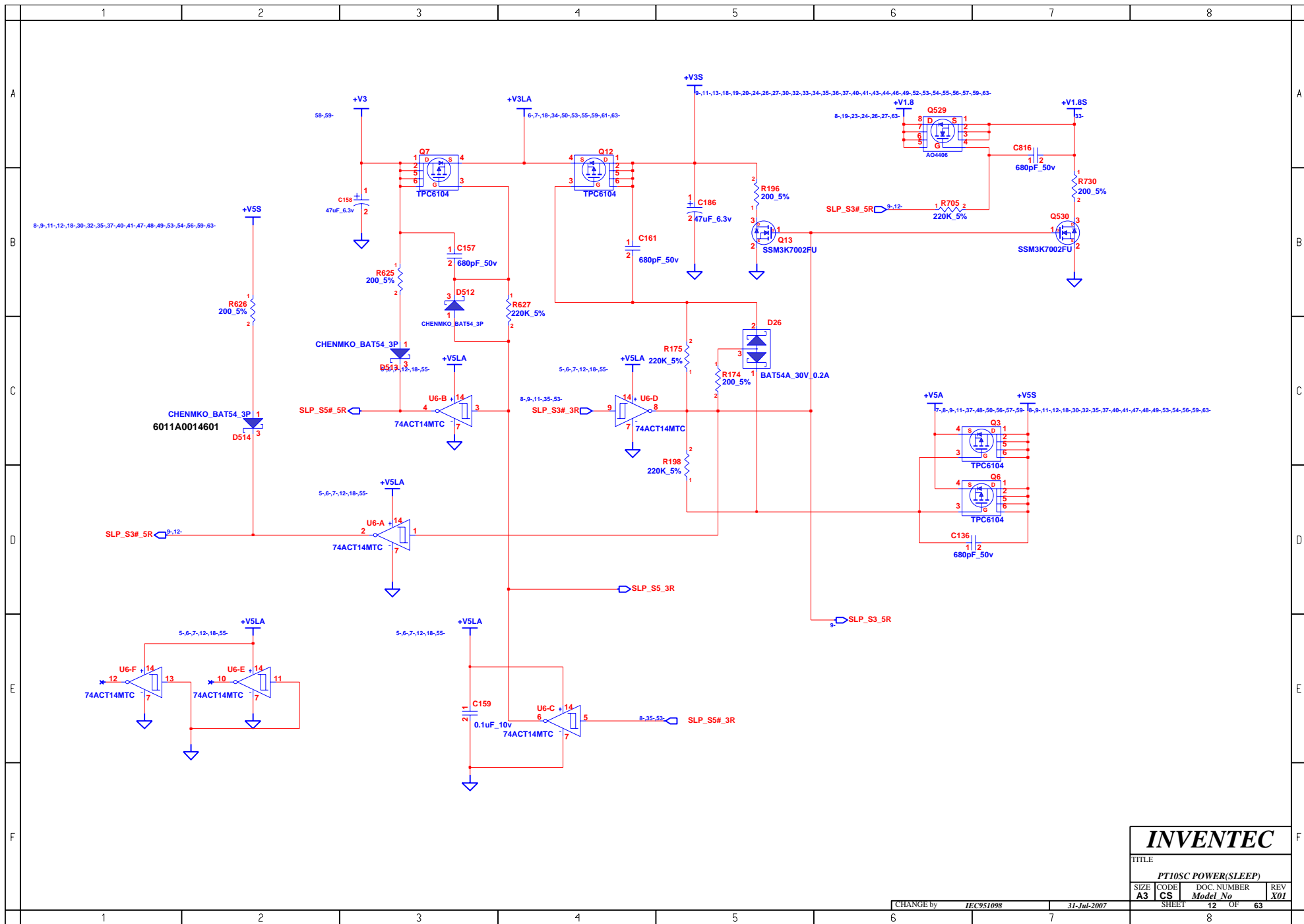


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C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE			
PT10SC CPU POWER(VCC_CORE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		10	OF 63

CHANGE by	IEC951098	30-Nov-2007
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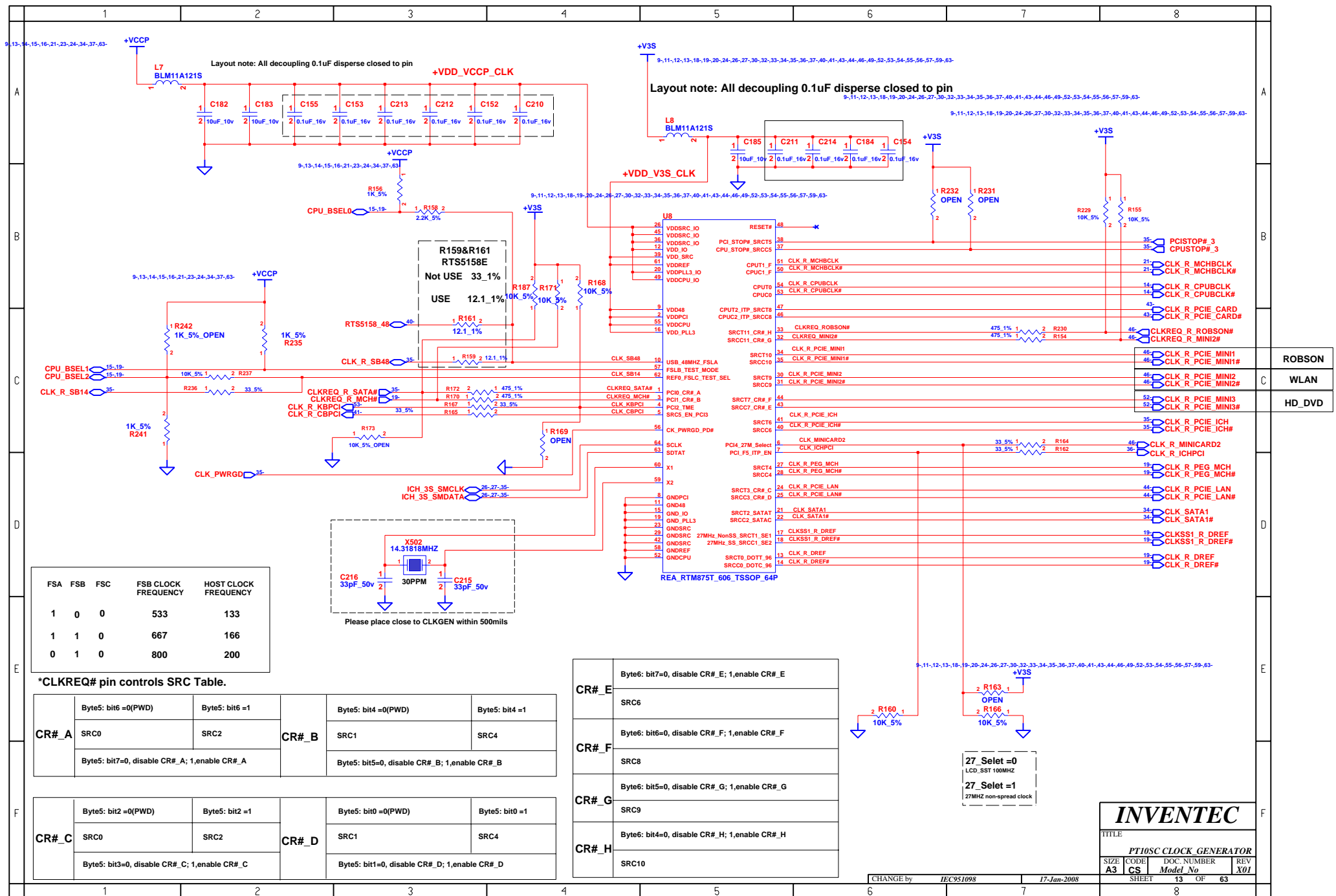


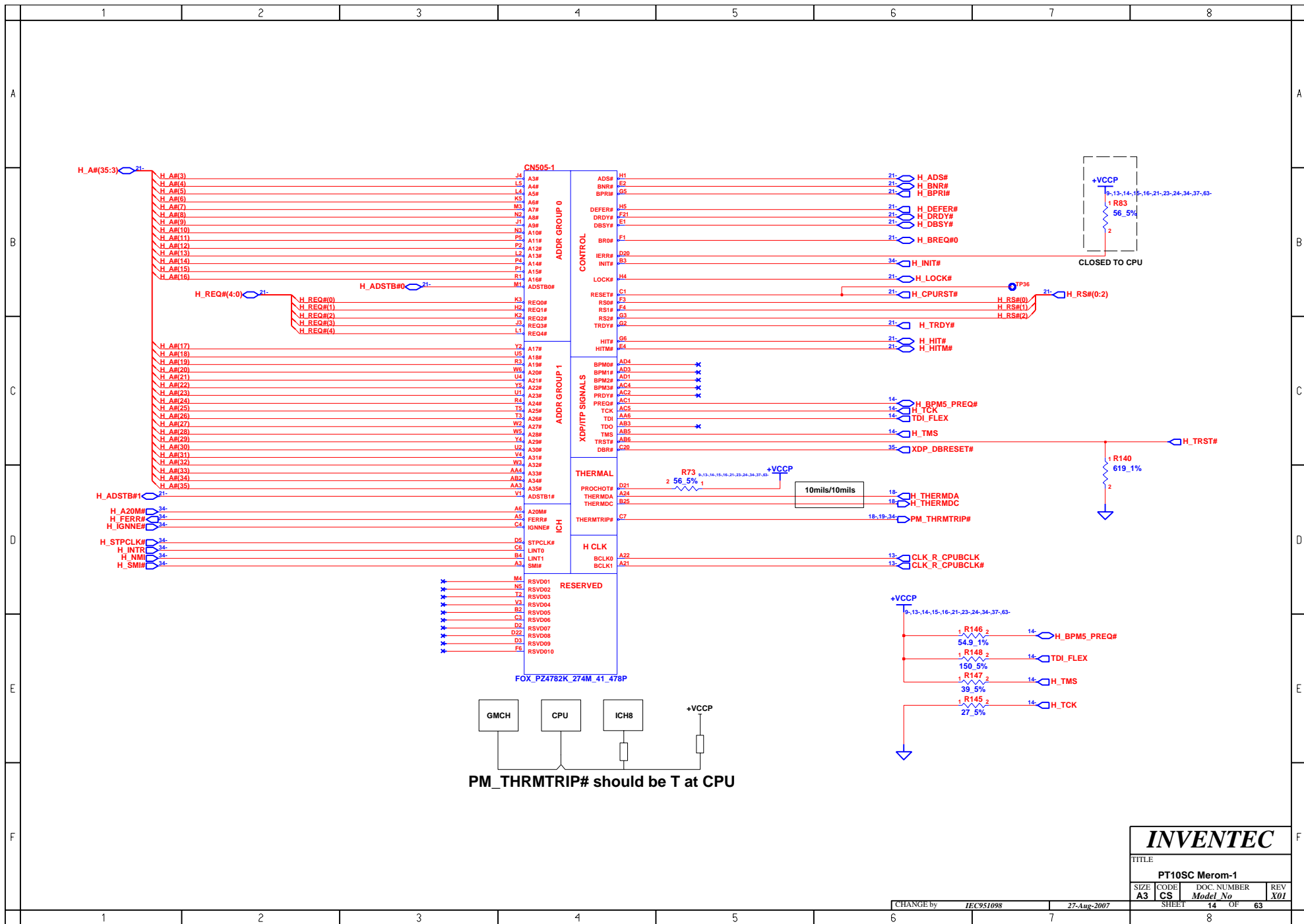


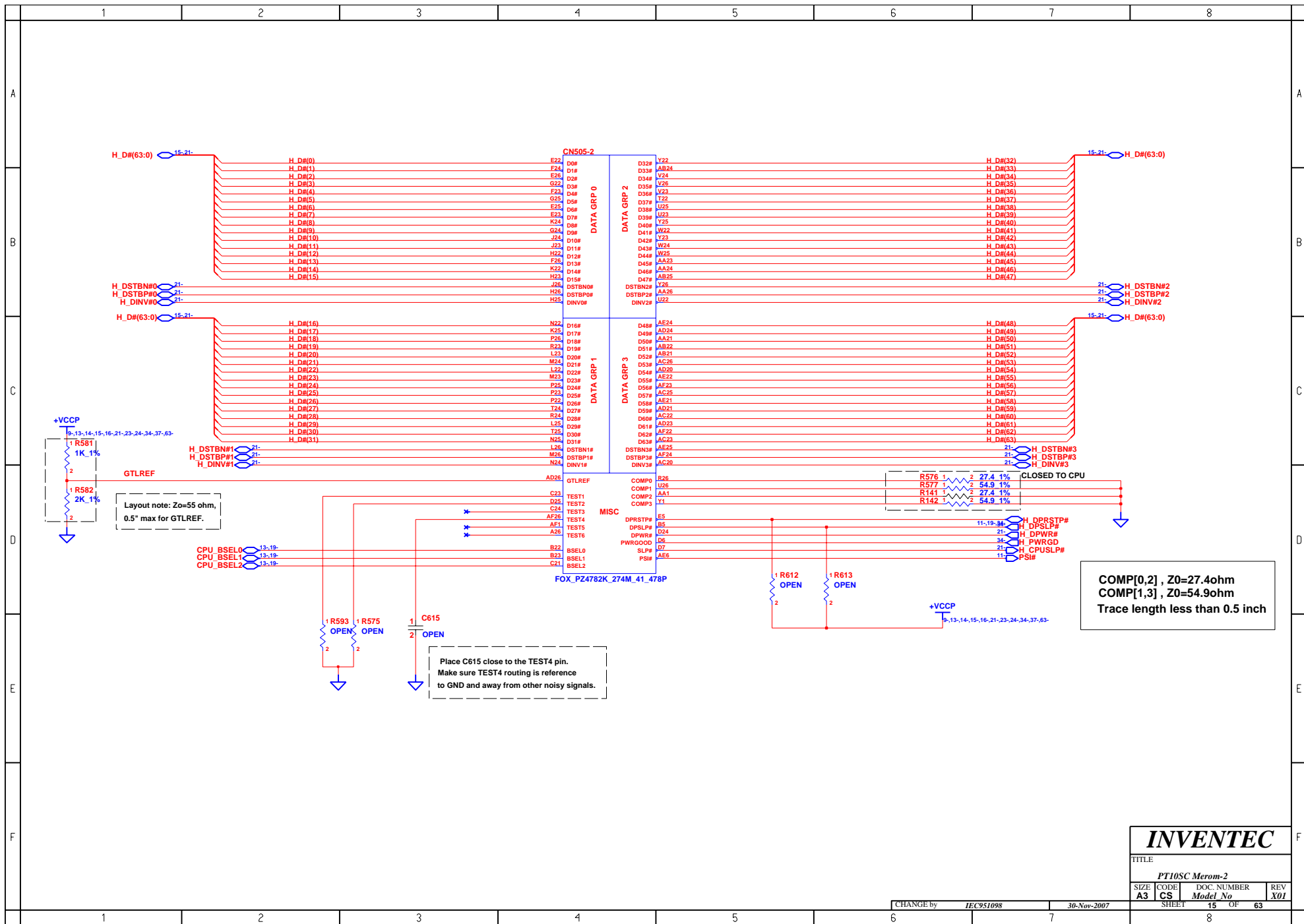
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PT10SC POWER(SLEEP)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		12	OF 63

CHANGE by IEC951098 31-Jul-2007







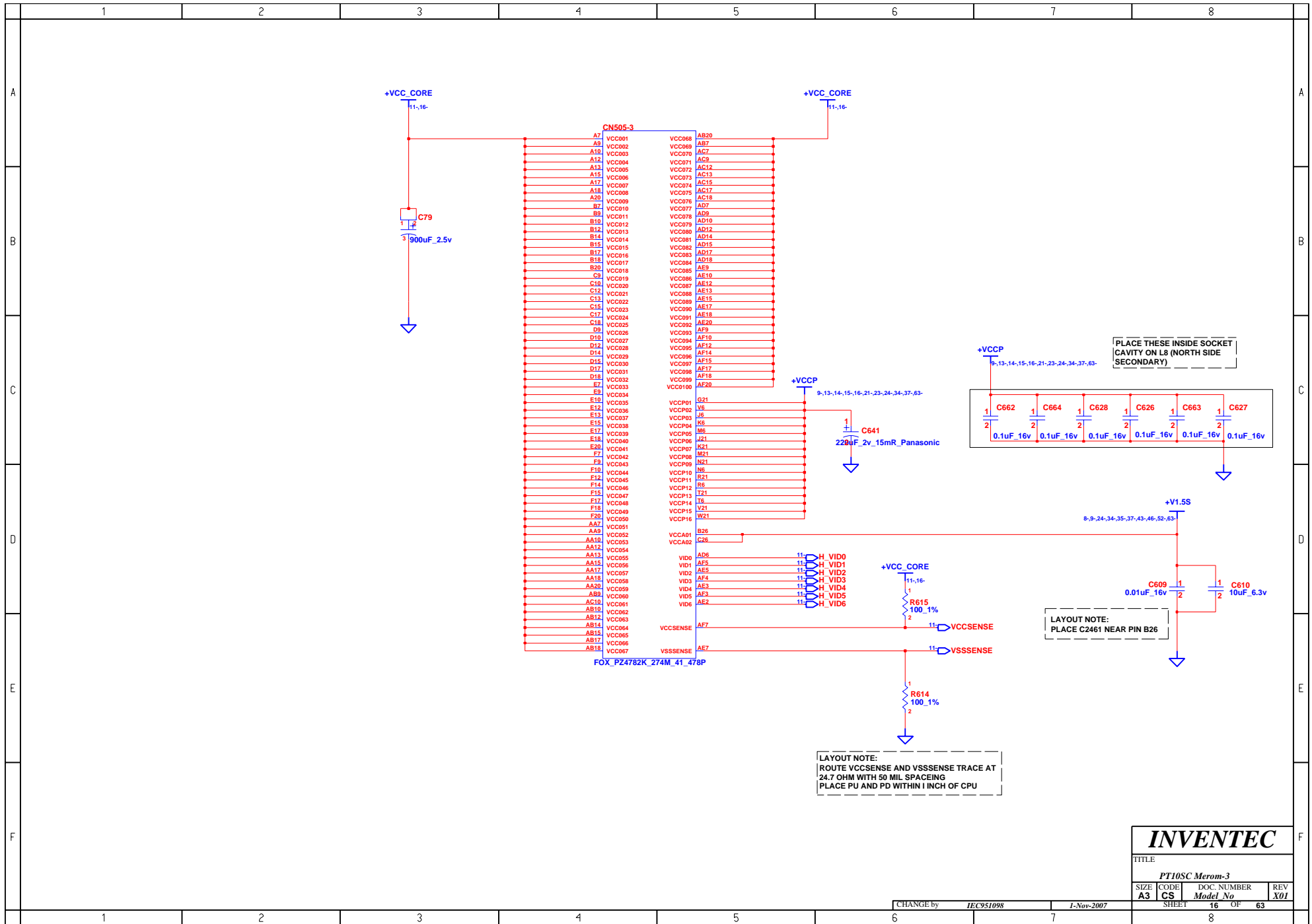
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TITLE			
PT10SC Merom-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by IEC951098

30-Nov-2007

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**INVENTEC**

TITLE			
PT10SC Merom-3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		16	OF 63

CHANGE by IEC951098 1-Nov-2007



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

**CN505-4**

A4	VSS001	VSS082	P6
A8	VSS002	VSS083	P21
A11	VSS003	VSS084	P24
A14	VSS004	VSS085	R2
A16	VSS005	VSS086	R5
A19	VSS006	VSS087	R22
A23	VSS007	VSS088	R25
A24	VSS008	VSS089	T1
B6	VSS009	VSS090	T4
B8	VSS010	VSS091	T23
B11	VSS011	VSS092	T26
B13	VSS012	VSS093	U3
B16	VSS013	VSS094	U6
B19	VSS014	VSS095	U21
B21	VSS015	VSS096	U24
B24	VSS016	VSS097	V2
C5	VSS017	VSS098	V5
C8	VSS018	VSS099	V22
C11	VSS019	VSS100	V25
C14	VSS020	VSS101	W1
C16	VSS021	VSS102	W4
C19	VSS022	VSS103	W23
C2	VSS023	VSS104	W26
C22	VSS024	VSS105	Y3
C25	VSS025	VSS106	Y6
D1	VSS026	VSS107	Y21
D4	VSS027	VSS108	Y24
D8	VSS028	VSS109	AA2
D11	VSS029	VSS110	AA5
D13	VSS030	VSS111	AA8
D16	VSS031	VSS112	AA11
D19	VSS032	VSS113	AA14
D23	VSS033	VSS114	AA16
D26	VSS034	VSS115	AA19
E3	VSS035	VSS116	AA22
E6	VSS036	VSS117	AA25
E8	VSS037	VSS118	AB1
E11	VSS038	VSS119	AB4
E14	VSS039	VSS120	AB8
E16	VSS040	VSS121	AB11
E19	VSS041	VSS122	AB13
E21	VSS042	VSS123	AB16
E24	VSS043	VSS124	AB19
F3	VSS044	VSS125	AB23
F8	VSS045	VSS126	AB25
F11	VSS046	VSS127	AC3
F13	VSS047	VSS128	AC6
F16	VSS048	VSS129	AC8
F19	VSS049	VSS130	AC11
F2	VSS050	VSS131	AC14
F22	VSS051	VSS132	AC16
F25	VSS052	VSS133	AC19
G4	VSS053	VSS134	AC21
G1	VSS054	VSS135	AC24
G23	VSS055	VSS136	AD2
G26	VSS056	VSS137	AD5
H3	VSS057	VSS138	AD8
H6	VSS058	VSS139	AD11
H21	VSS059	VSS140	AD13
H24	VSS060	VSS141	AD16
J2	VSS061	VSS142	AD19
J5	VSS062	VSS143	AD22
J22	VSS063	VSS144	AD25
J25	VSS064	VSS145	AE1
K1	VSS065	VSS146	AE4
K4	VSS066	VSS147	AE8
K23	VSS067	VSS148	AE11
K26	VSS068	VSS149	AE14
L3	VSS069	VSS150	AE16
L6	VSS070	VSS151	AE19
L21	VSS071	VSS152	AE23
L24	VSS072	VSS153	AE25
M2	VSS073	VSS154	A2
M5	VSS074	VSS155	AF8
M22	VSS075	VSS156	AF9
N1	VSS076	VSS157	AF11
N4	VSS077	VSS158	AF13
N23	VSS078	VSS159	AF16
N26	VSS079	VSS160	AF19
P3	VSS080	VSS161	AF21
	VSS081	VSS162	A25
		VSS163	AF25

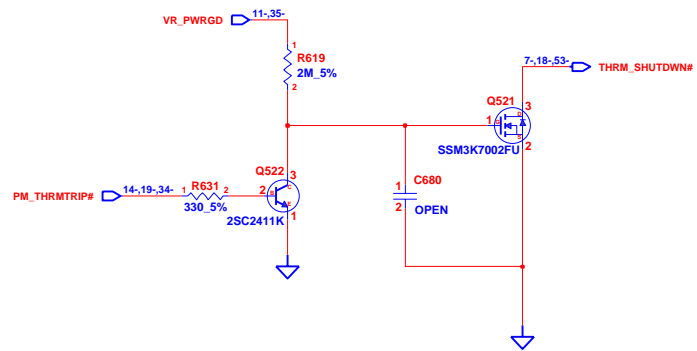
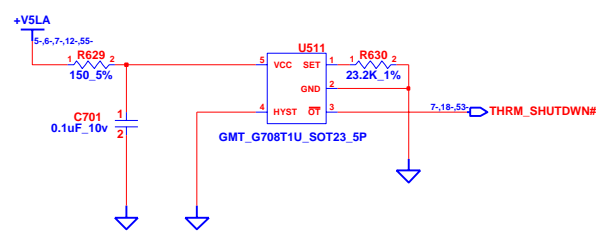
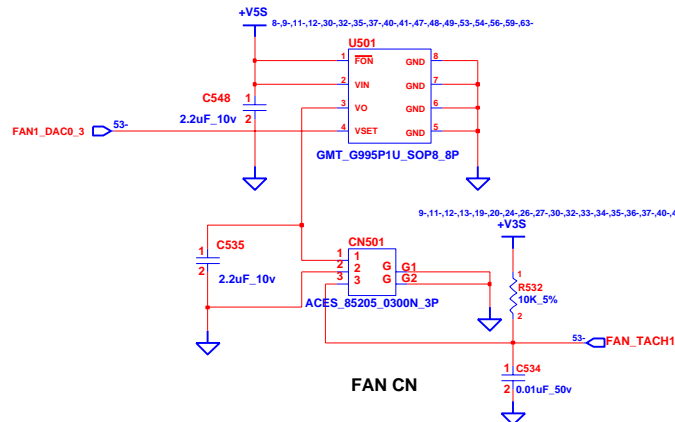
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INVENTEC			
TITLE			
PT10SC Merom-4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by	IEC951098	31-Jul-2007
SHEET		17 OF 63
1	2	8

INVENTEC

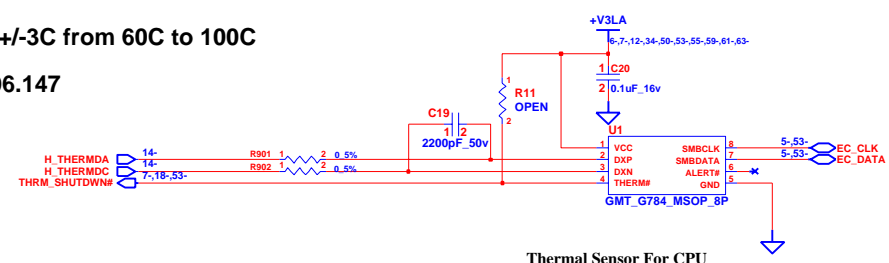
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PT10SC Merom-4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		17	OF 63



Thermal shutdown at 89C +/-3C from 60C to 100C

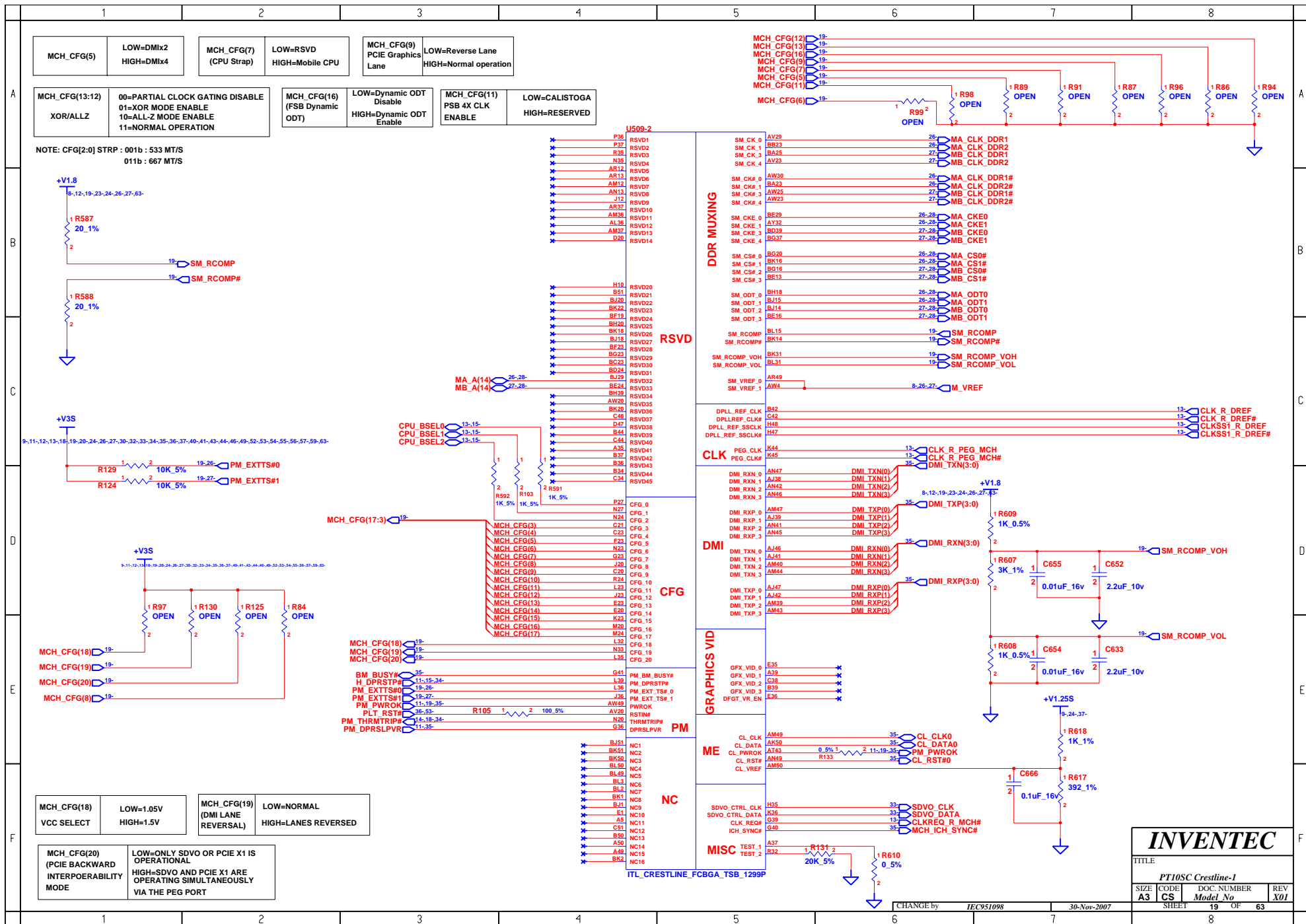
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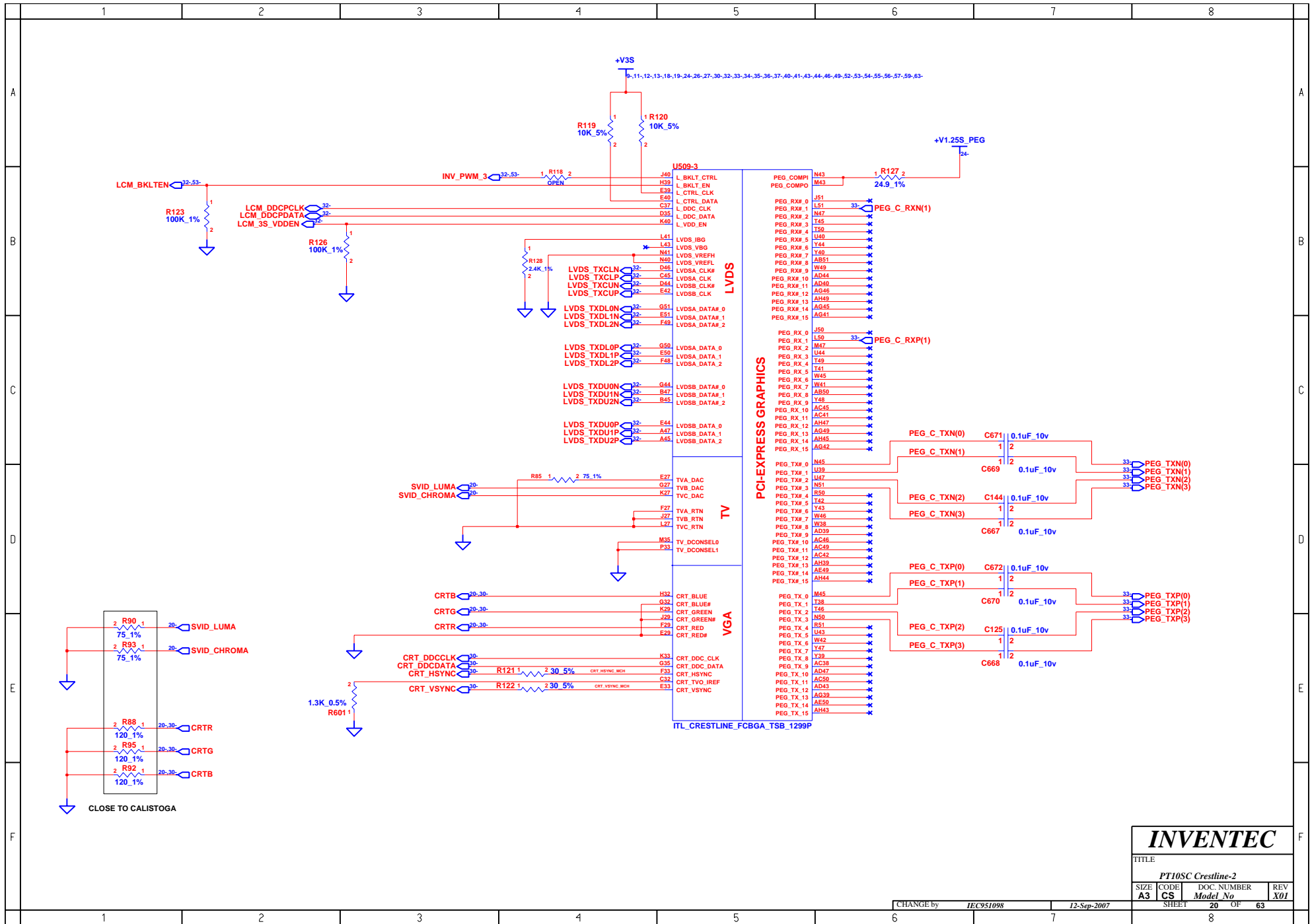
Hysteresis is 30C



Thermal Sensor For CPU

INVENTEC			
TITLE			
PT10SC THERMAL&FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		18	OF 63



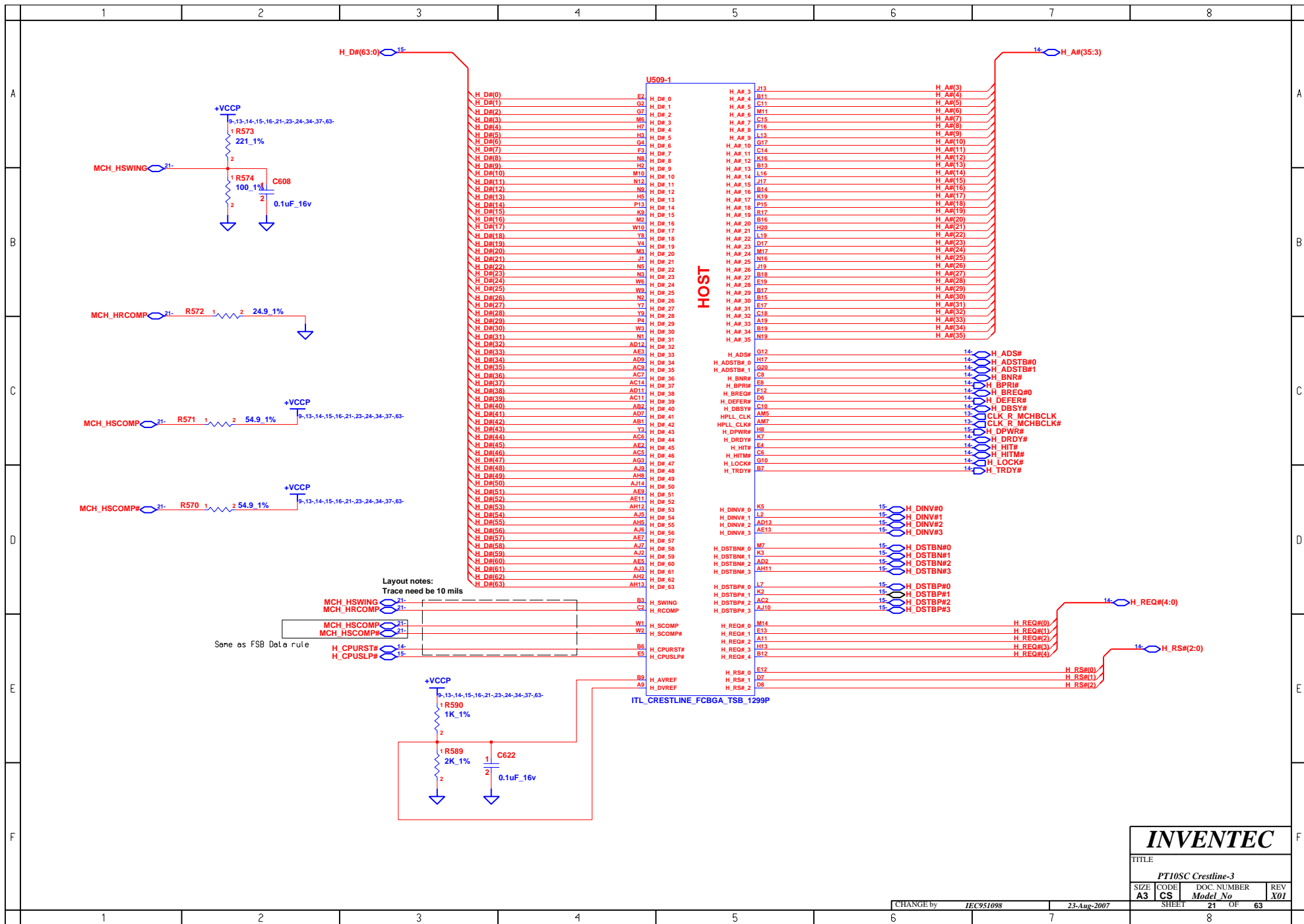


**INVENTEC**

TITLE			
PT10SC Crestline-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by IEC951098 12-Sep-2007

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**INVENTEC**

TITLE

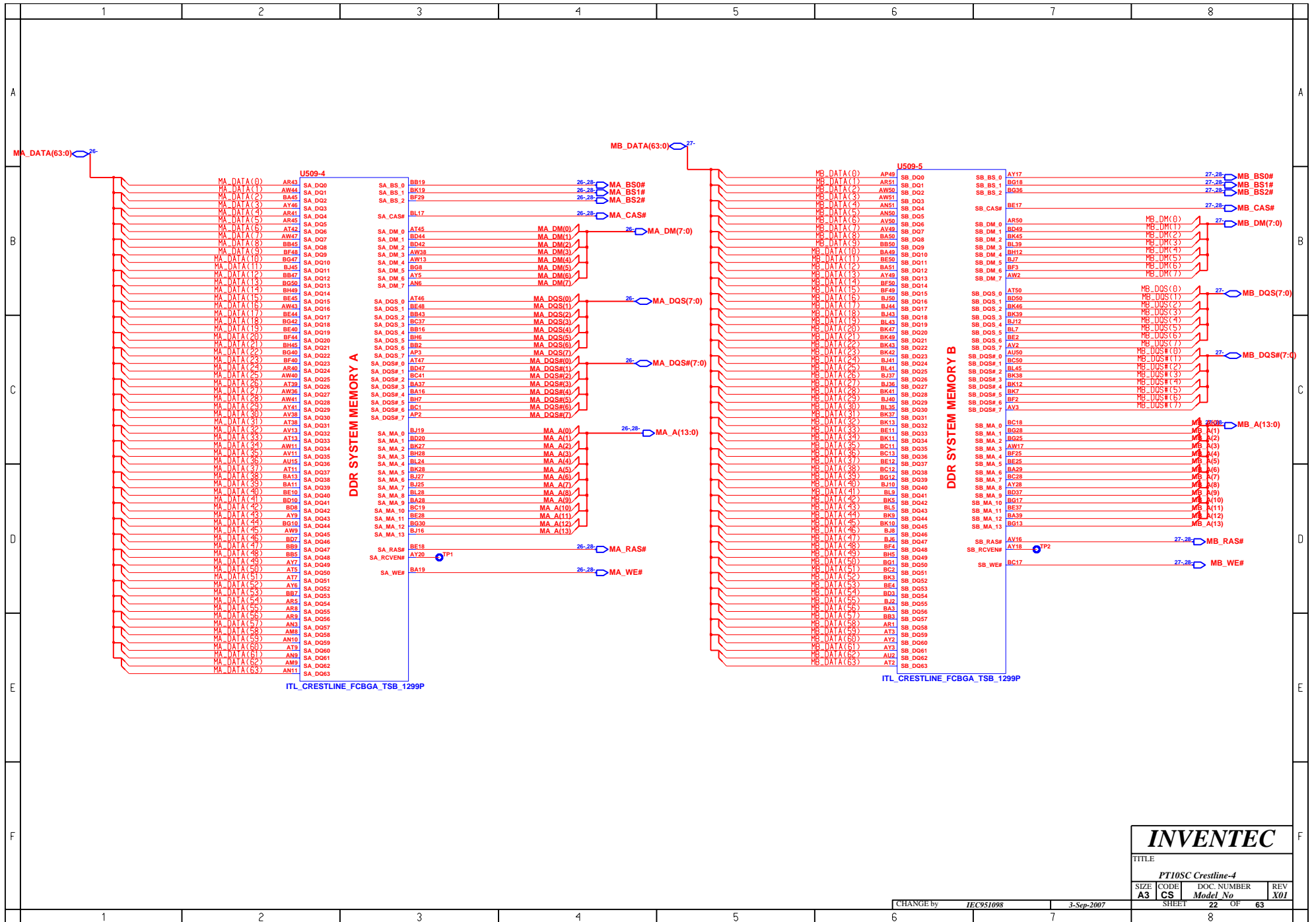
PT10SC Crestline-3

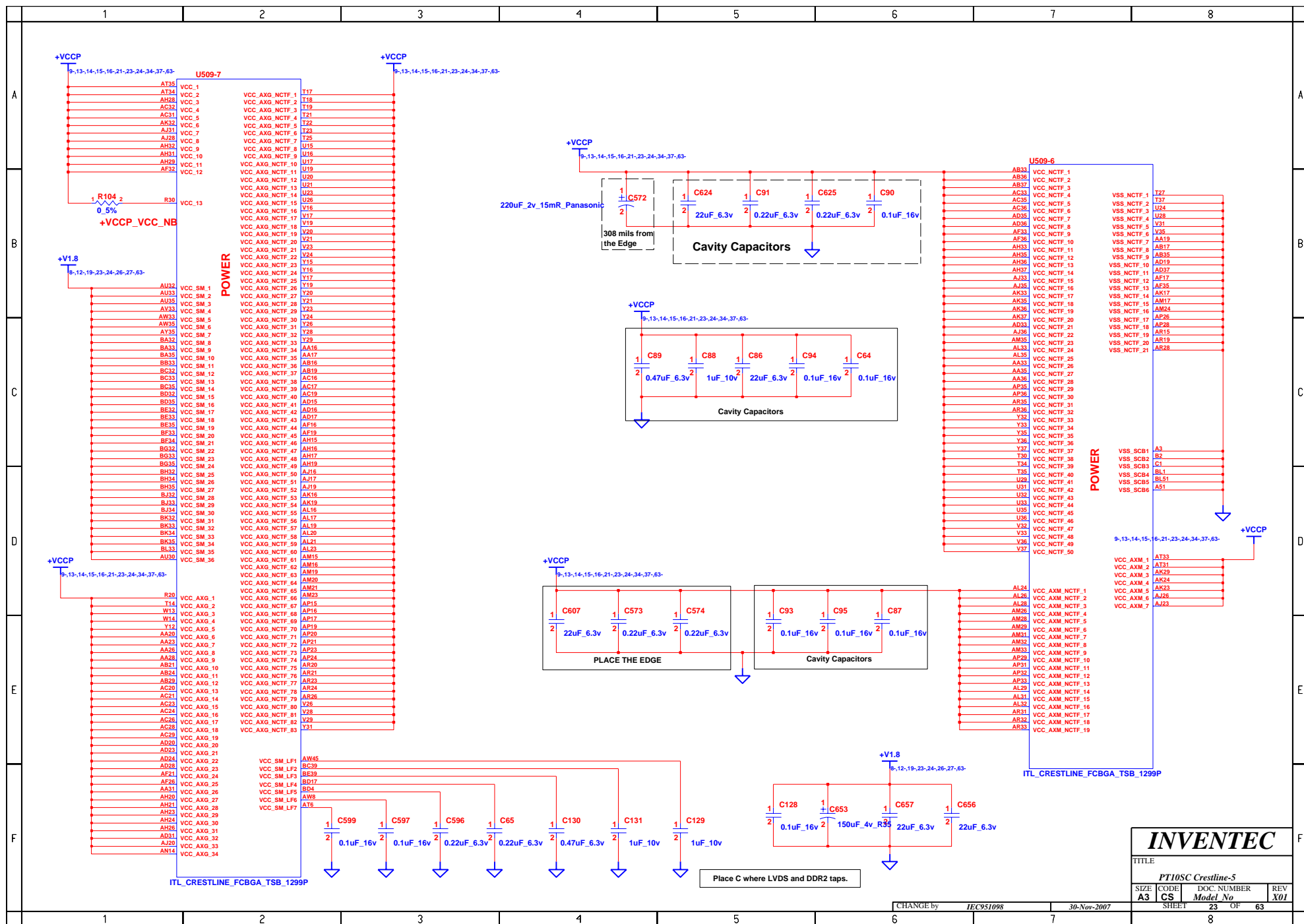
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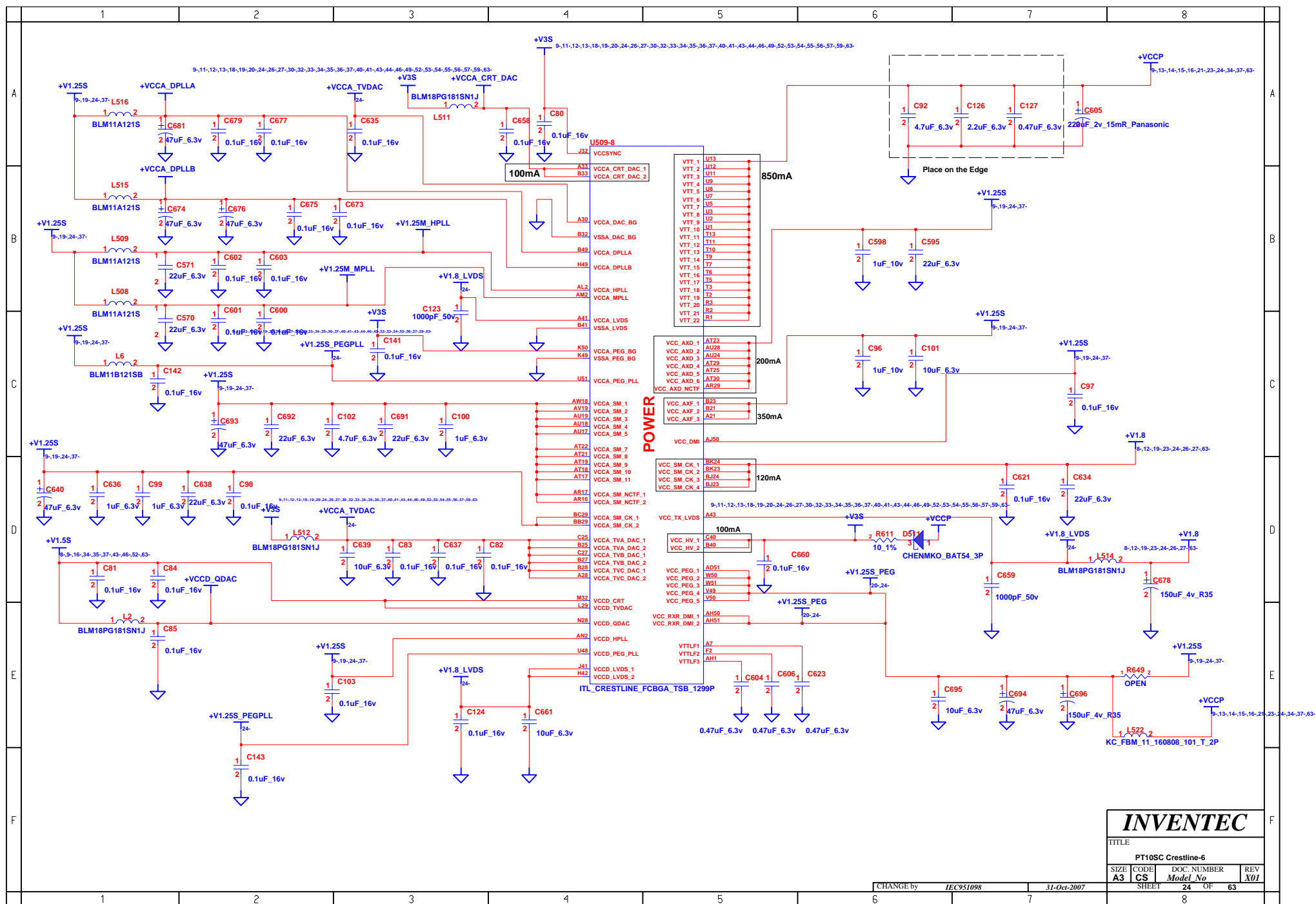
SHEET 21 OF 63

CHANGE by IEC951098

23-Aug-2007

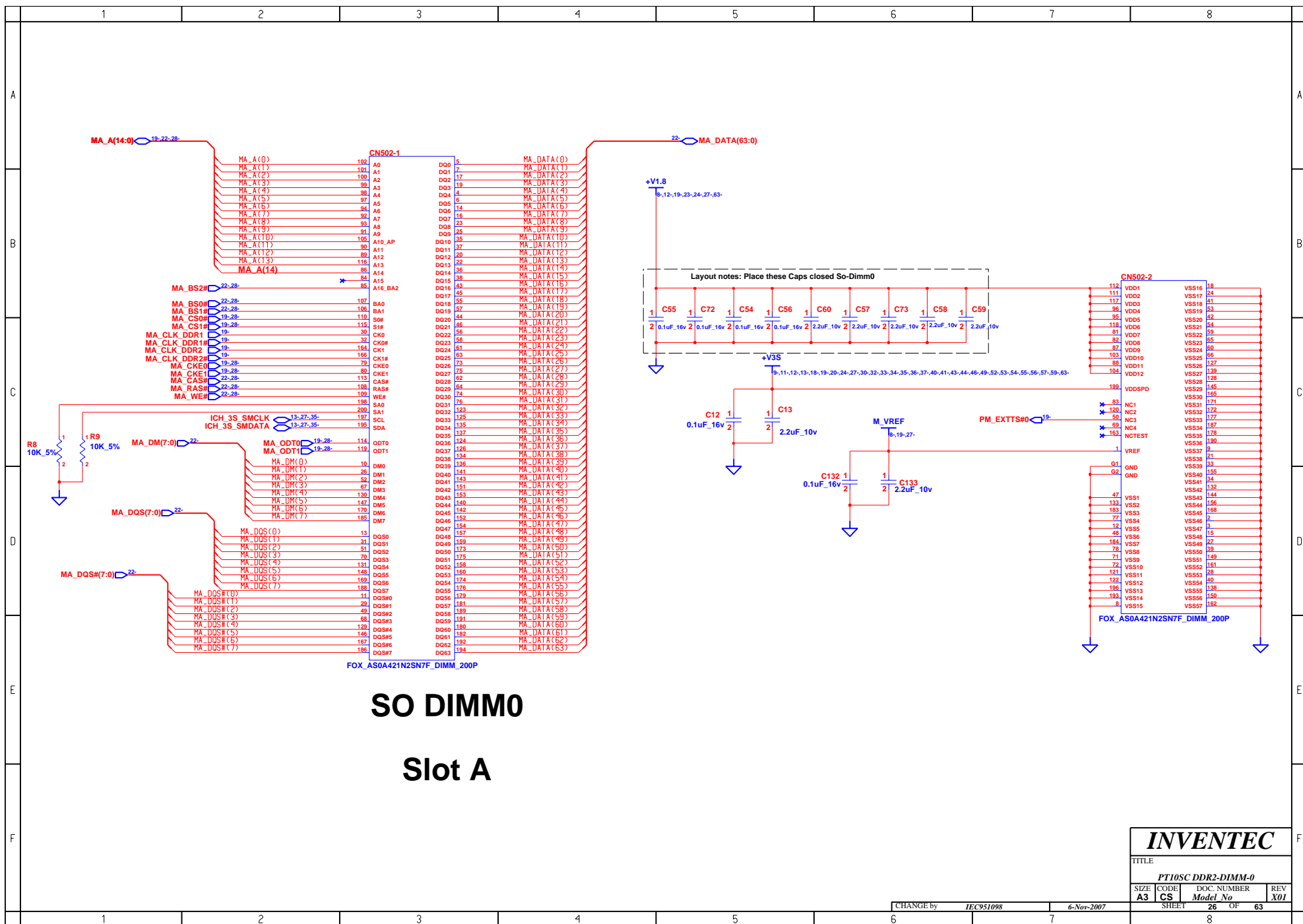


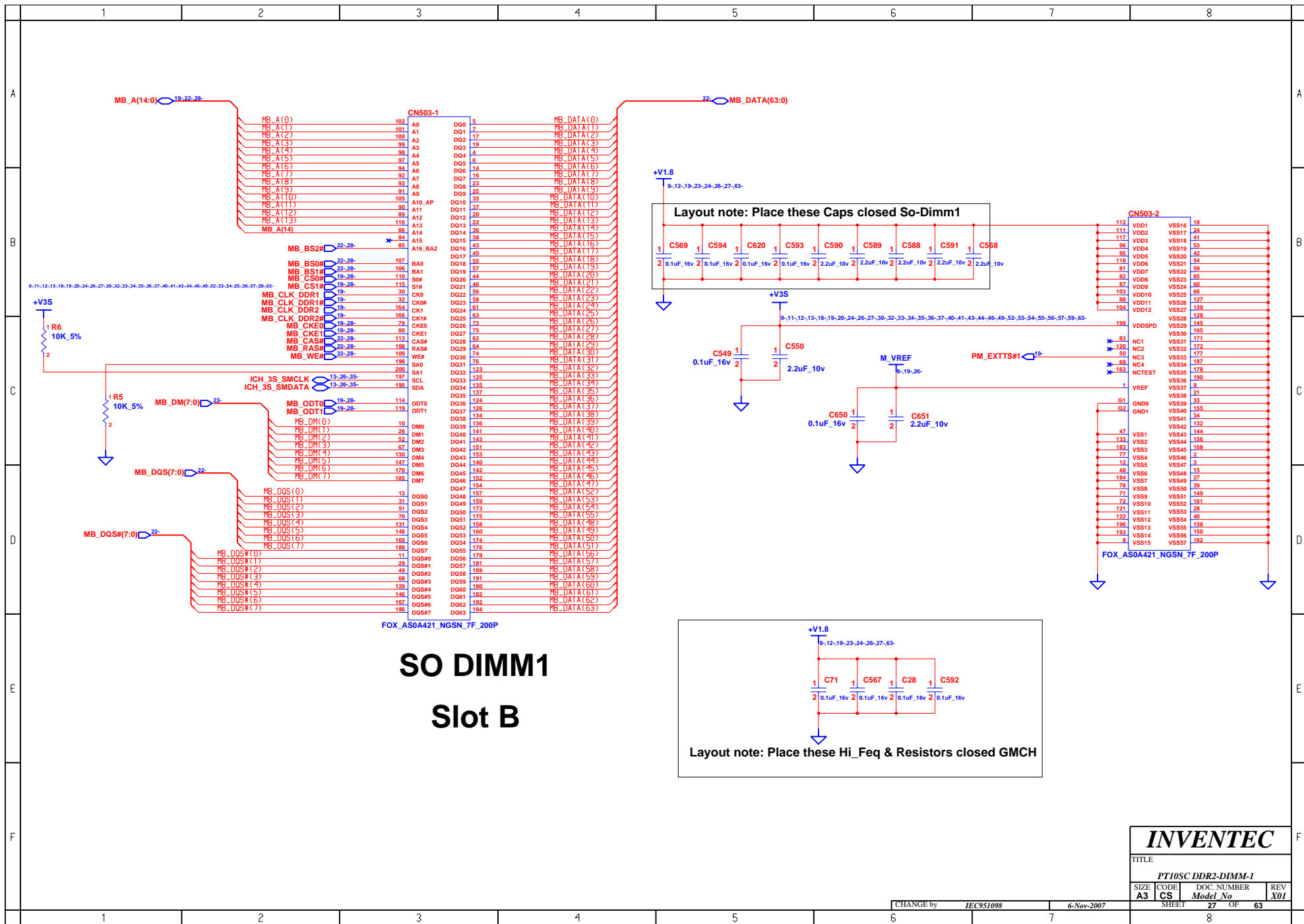












# SO DIMM1

## Slot B

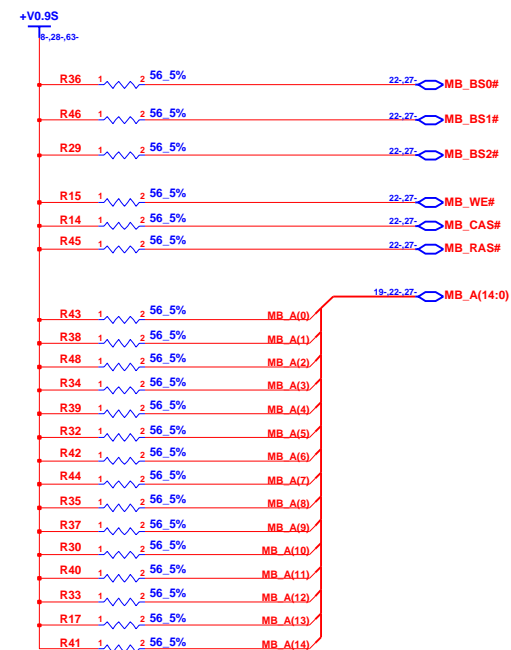
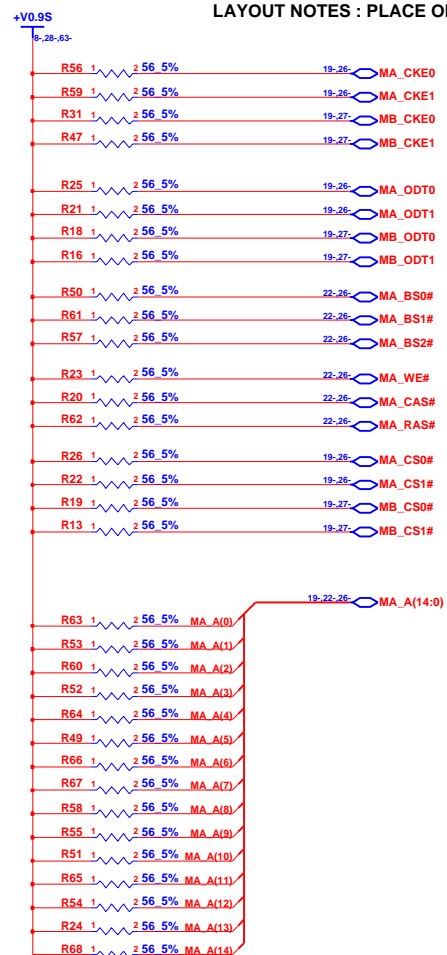
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TITLE			
PT10SC DDR2-DIMM-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by IEC951098

6-Nov-2007

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***INVENTEC***

TITLE
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PT10SC DDR2-DAMPING

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>Model No</i>	REV <i>X01</i>
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28	OF	63
8		

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C									C
D									D
E									E
F									F
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INVENTEC			
TITLE			
PT10SC MXM CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		29	OF 63

CHANGE by	IEC951098	30-Nov-2007
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INVENTEC

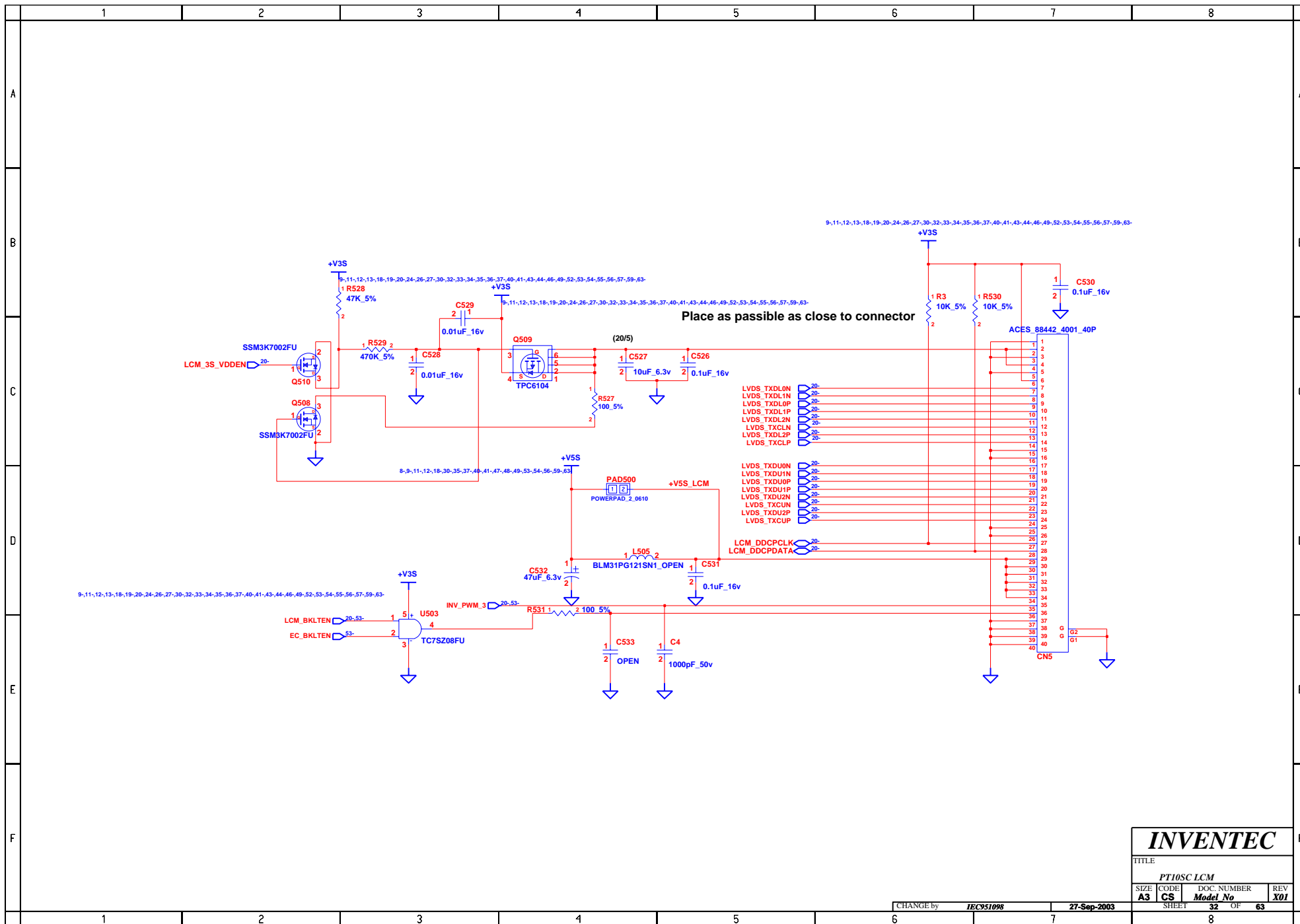
TITLE

PT10SC S-Video CONN

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A3	CS	Model No	X01

CHANGE by	IEC951098	30-Nov-2007
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SHEET	31	OF	63
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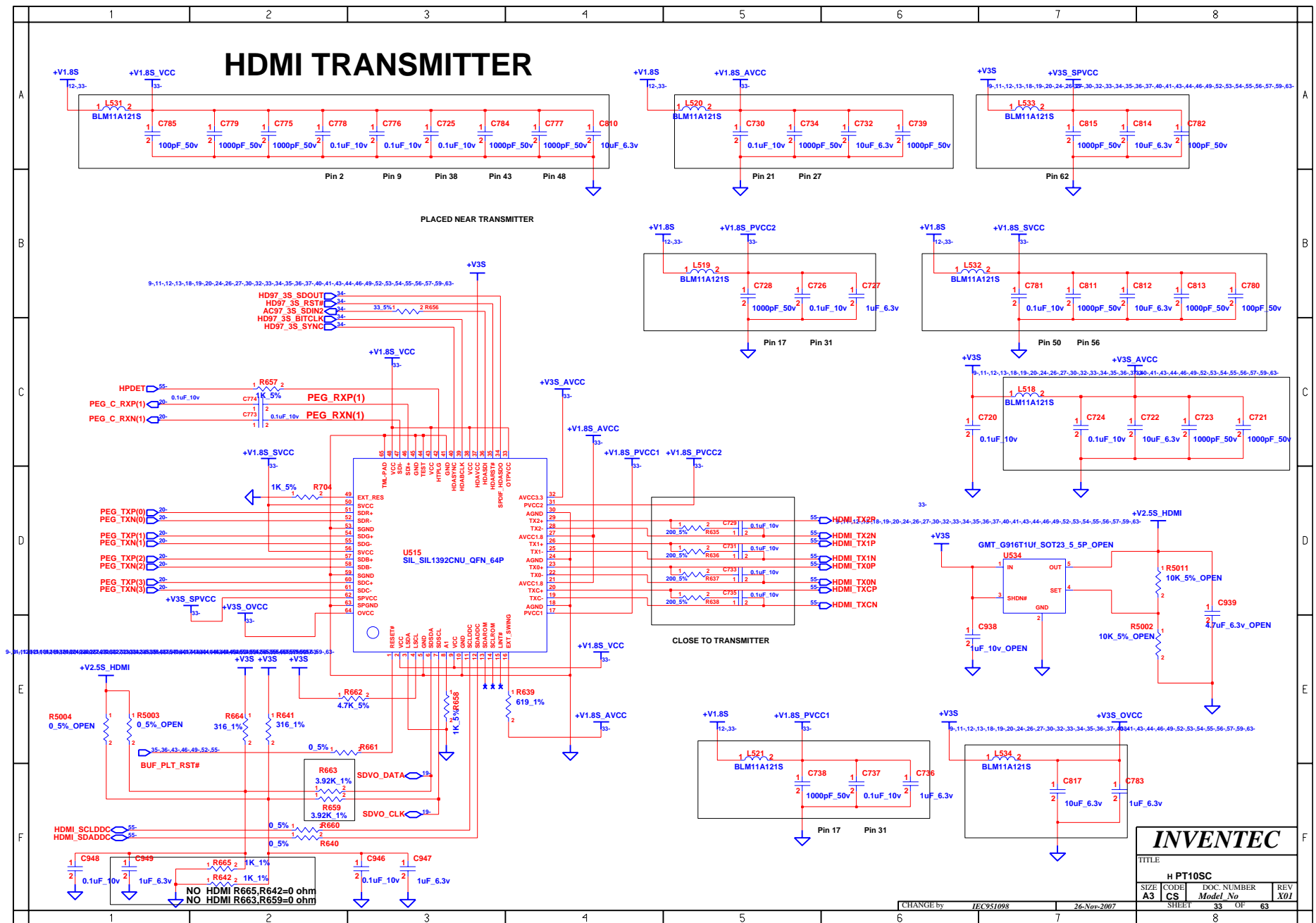
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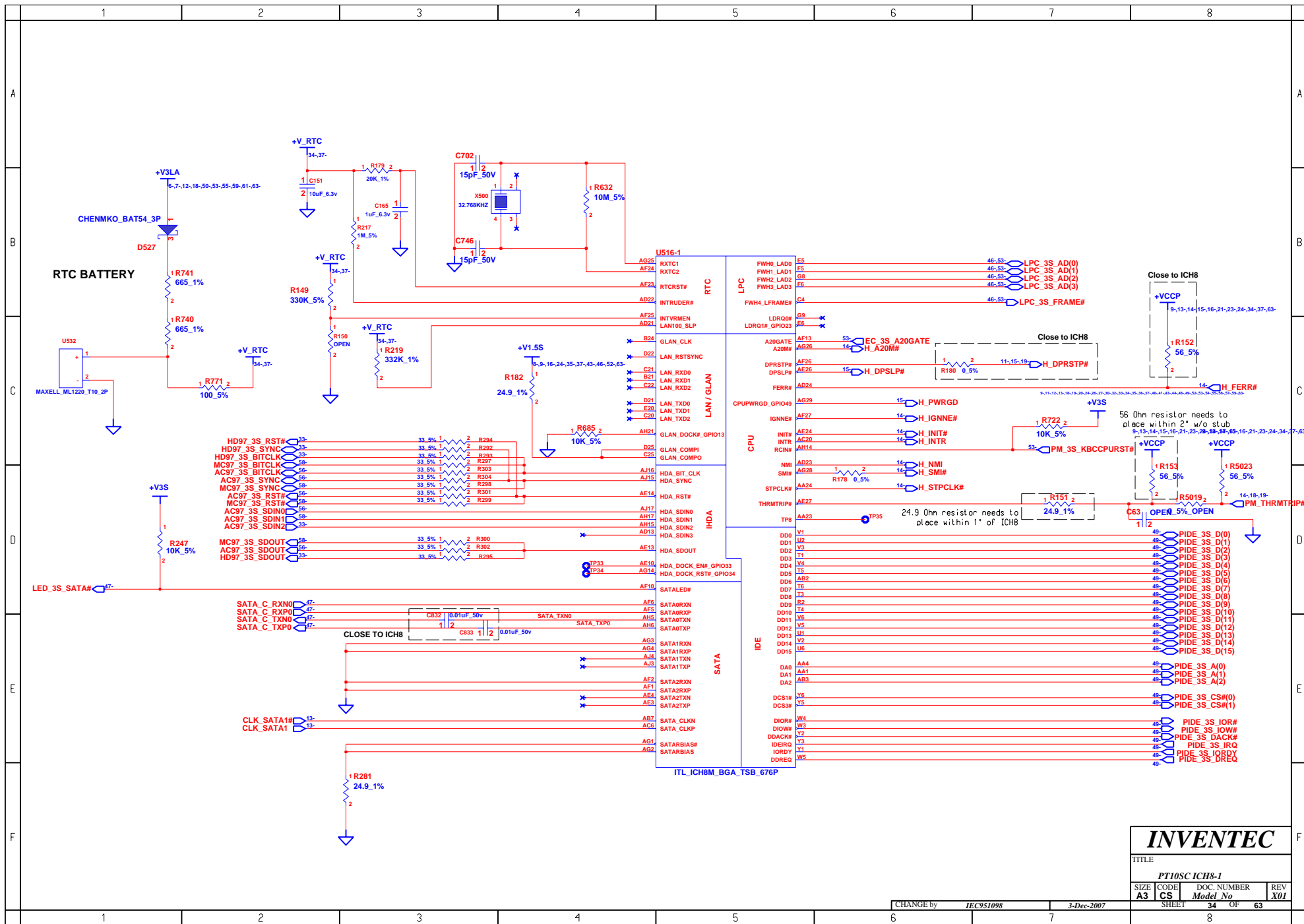
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SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		32	OF 63

CHANGE by JEC951098 27-Sep-2003



# HDMI TRANSMITTER



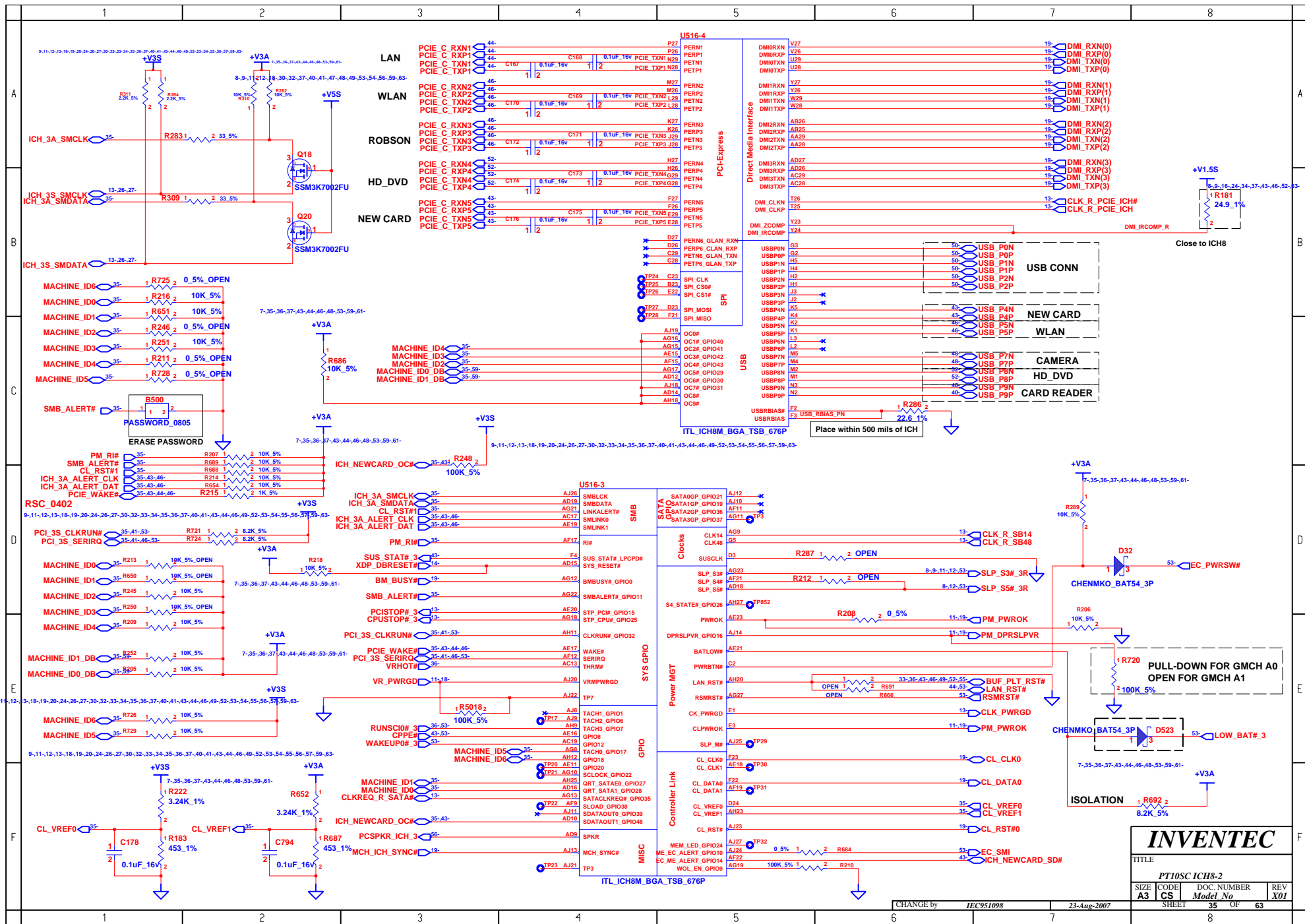


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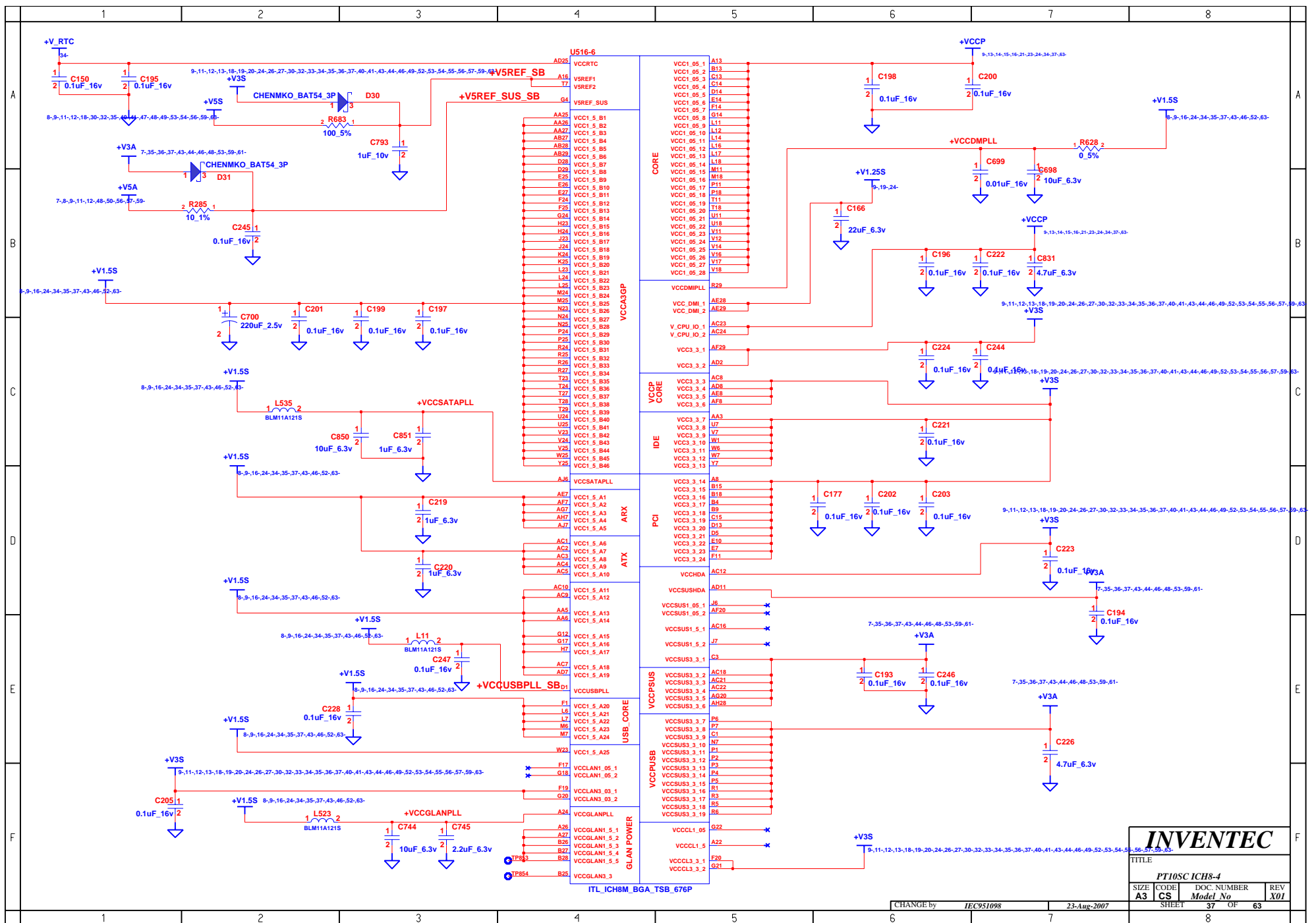
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SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by	IEC951098	3-Dec-2007
SHEET	34	OF 63







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

U516-5

The diagram shows a grid of connections between pins A22 through K6 (rows) and VSS001 through VSS098 (columns). Red lines indicate specific pin-to-pin connections. Blue arrows point downwards from the bottom of the grid.

INVENTEC			
TITLE			
PT10SC ICH8-5			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		38 OF	63

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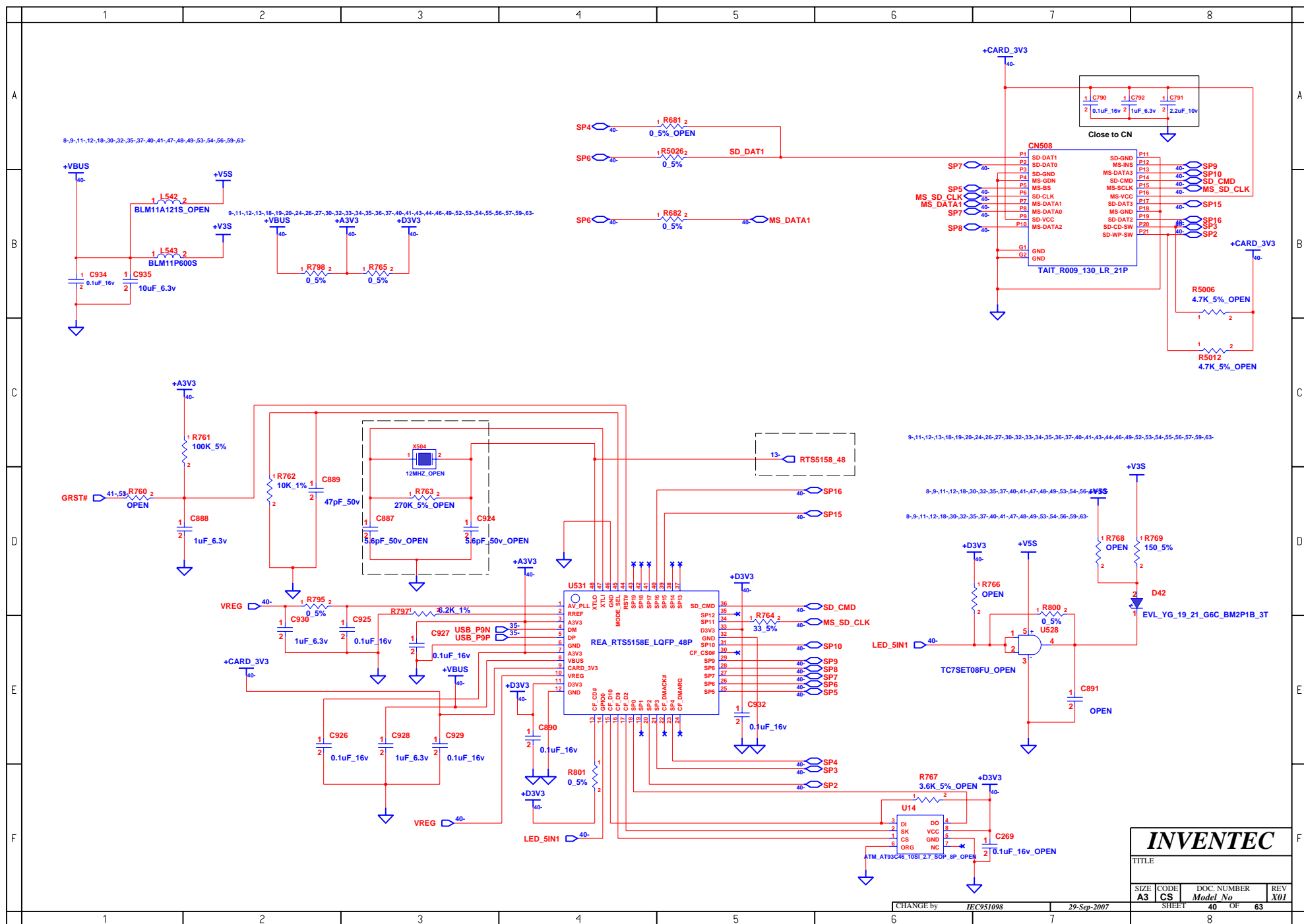
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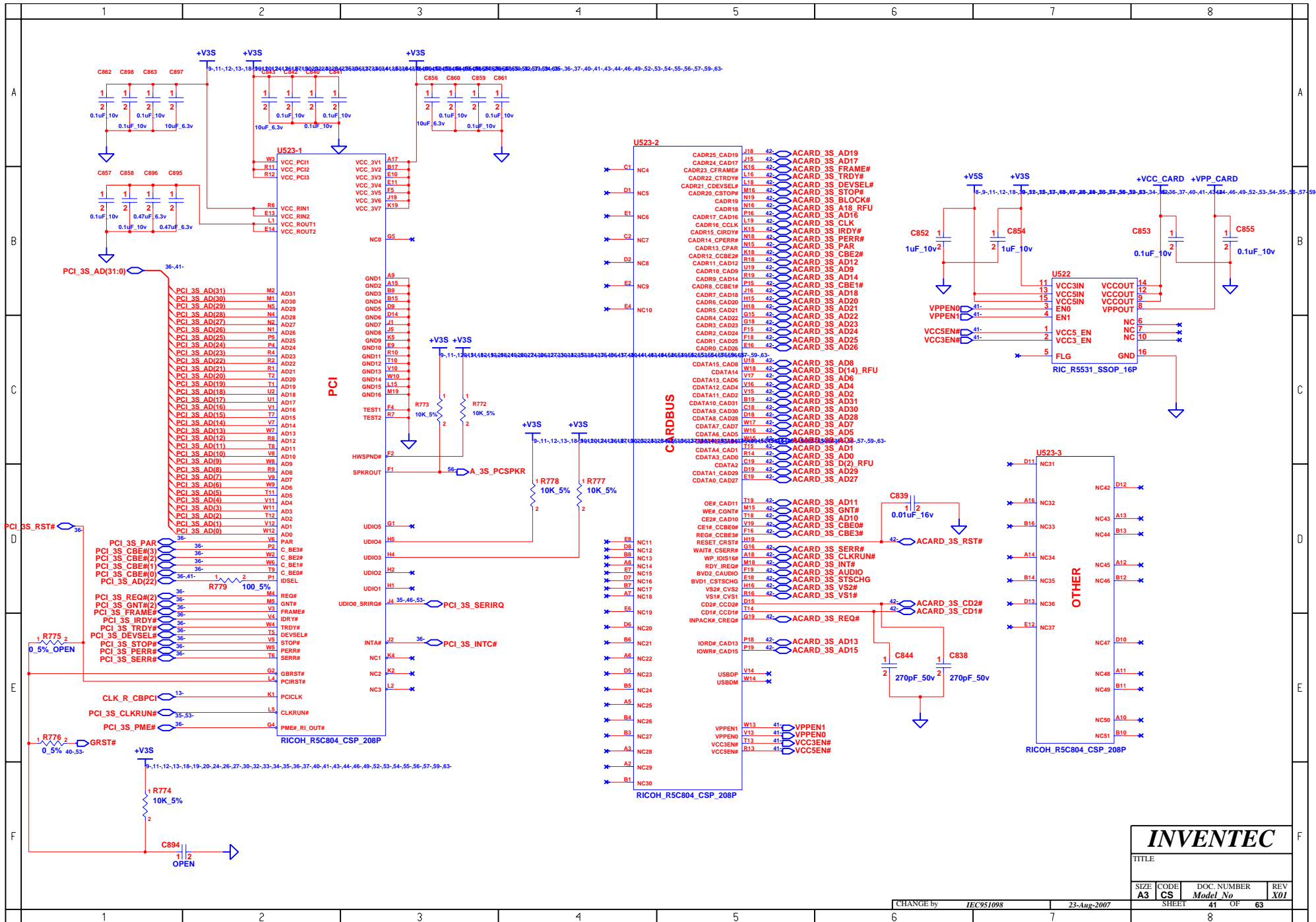
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A3	CS	Model No	X01

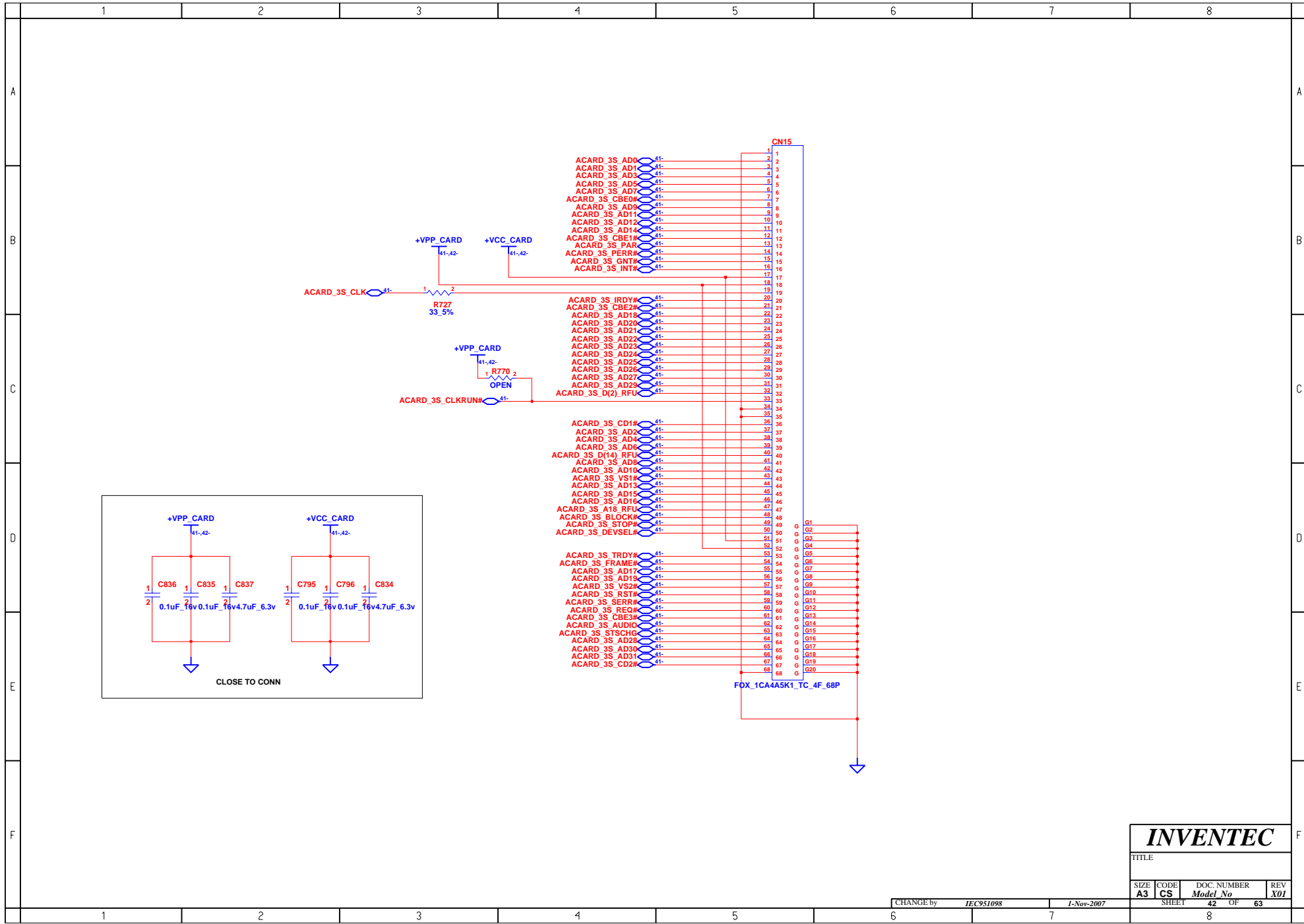
CHANGE by	IEC951098	30-Nov-2007
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SHEET	39	OF	63
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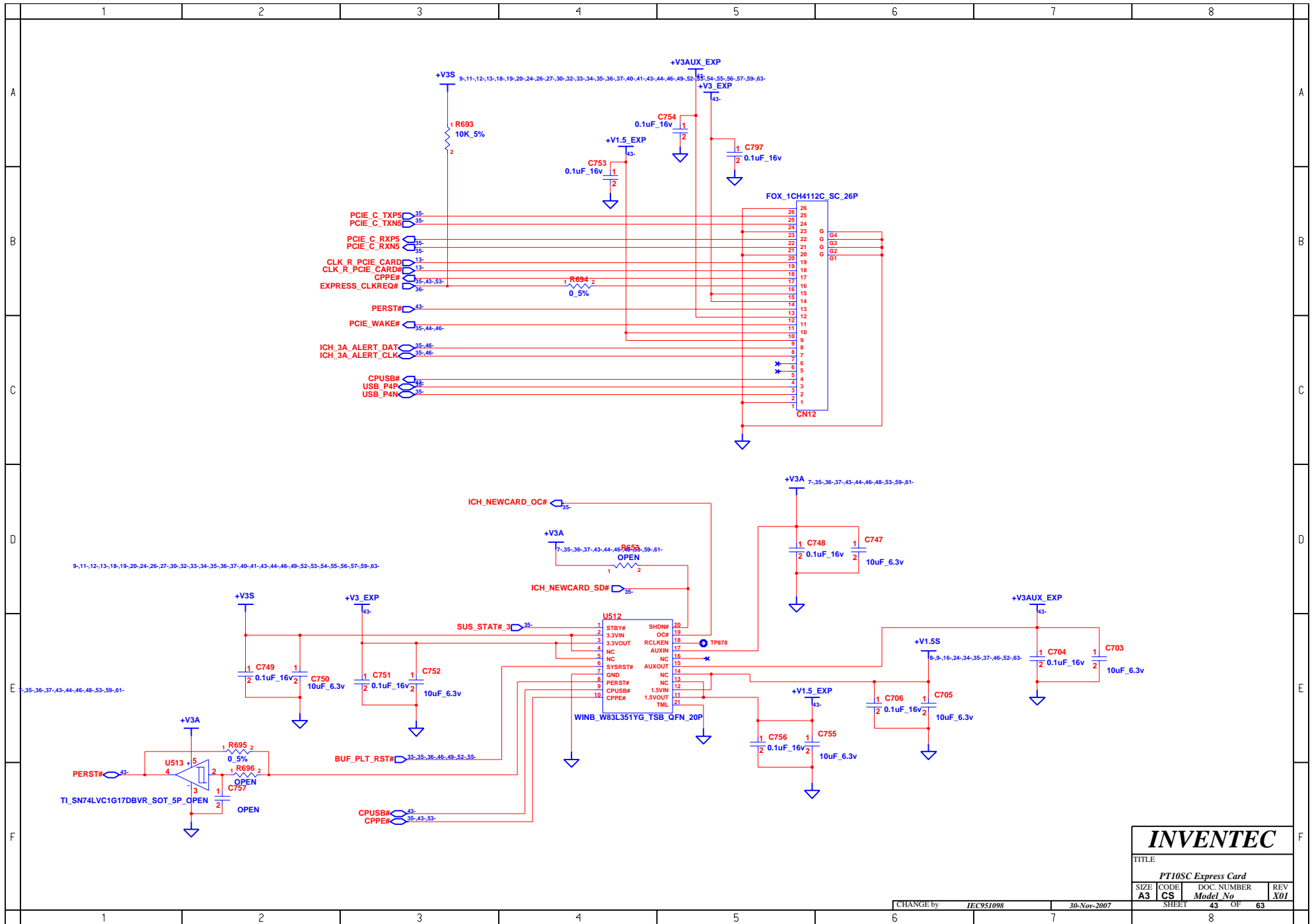
**INVENTEC**

TITLE

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>Model No</i>	REV <b>X01</b>
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CHANGE by IEC951098 I-Nov-2007

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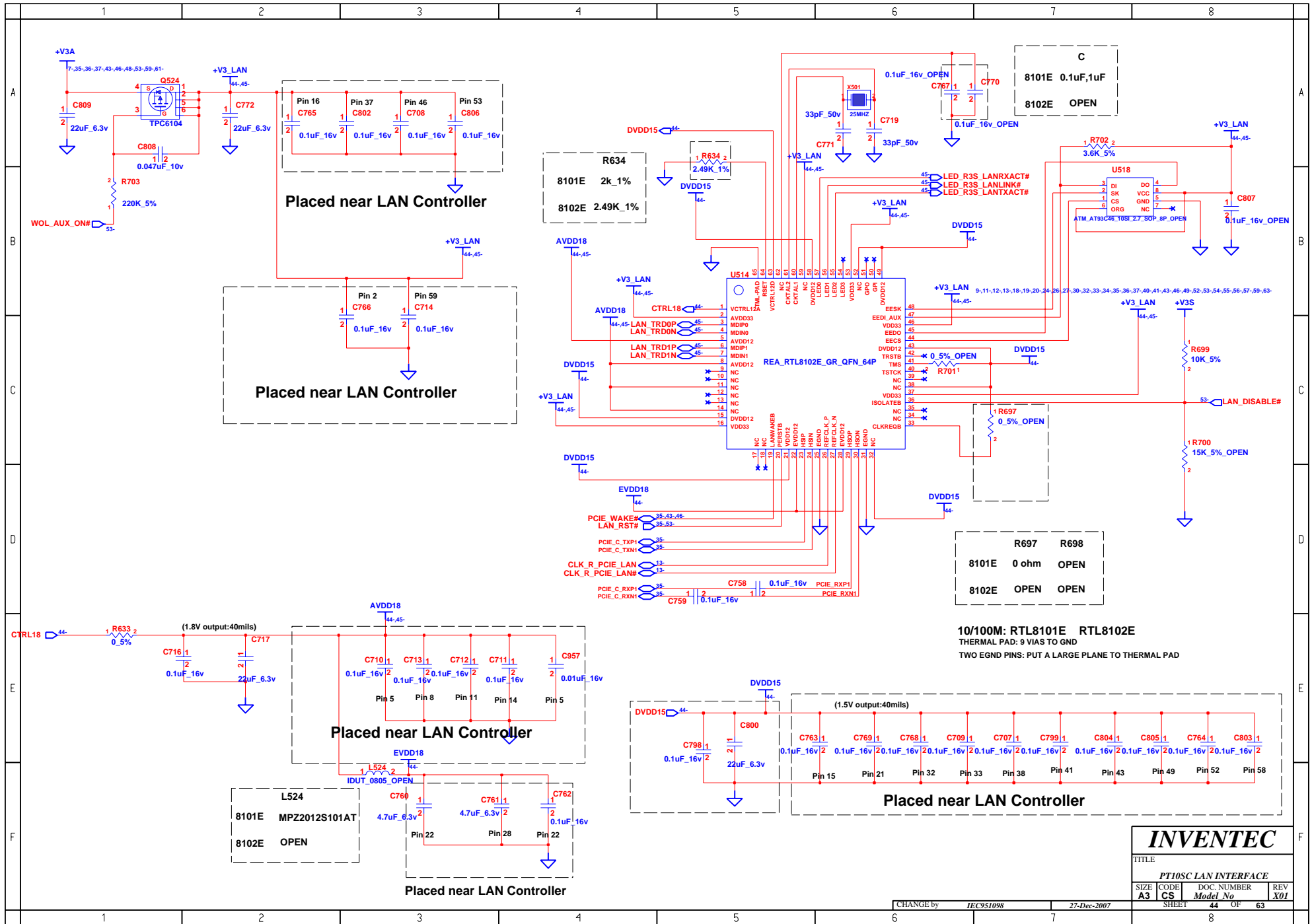


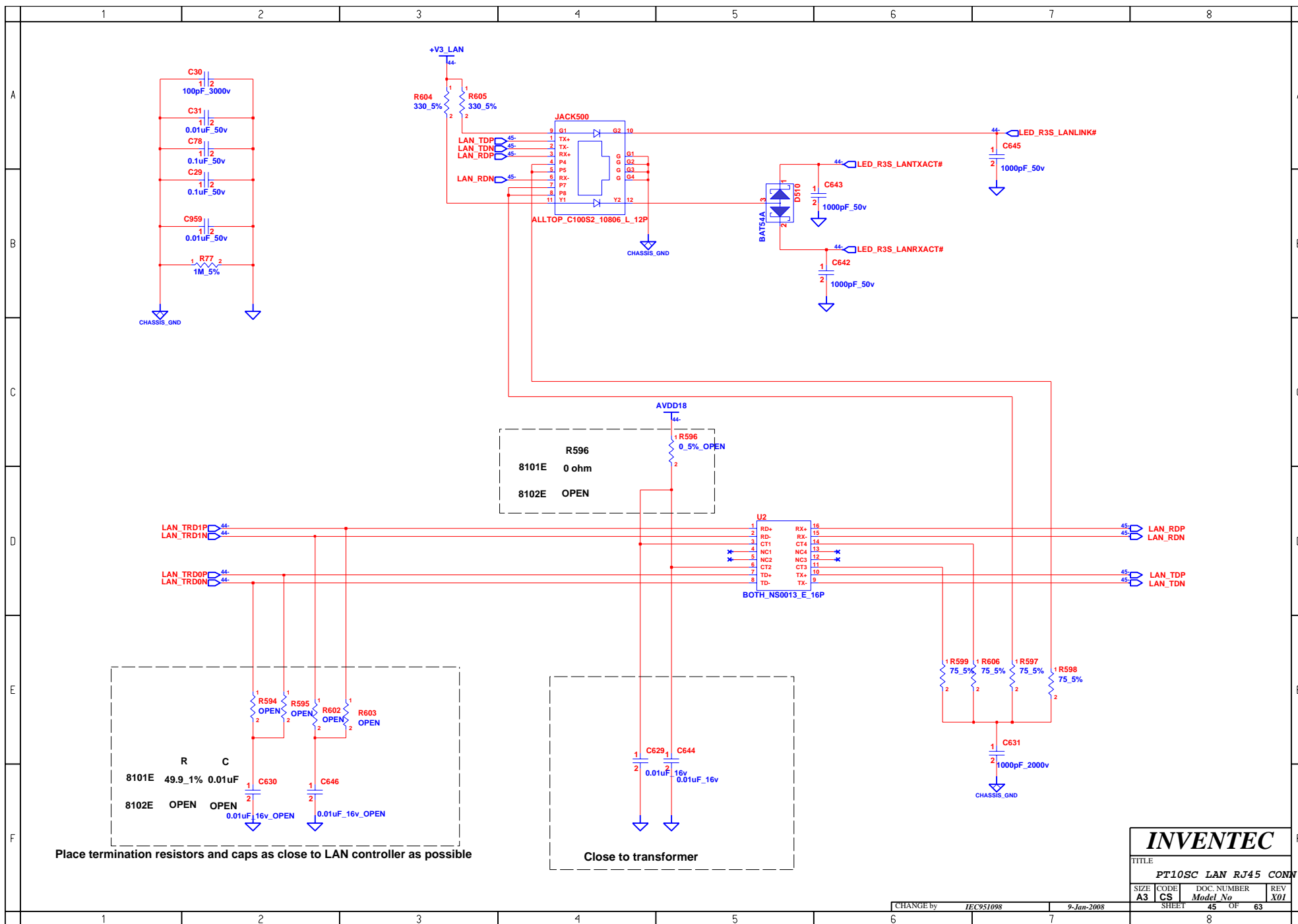
**INVENTEC**

TITLE			
PT10SC Express Card			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by IEC951098 30-Nov-2007

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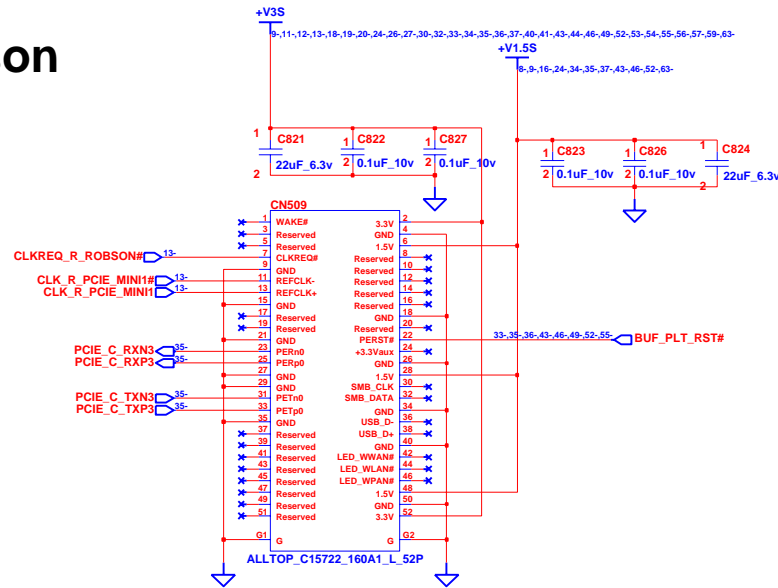




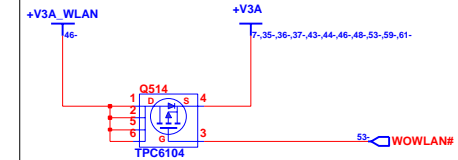
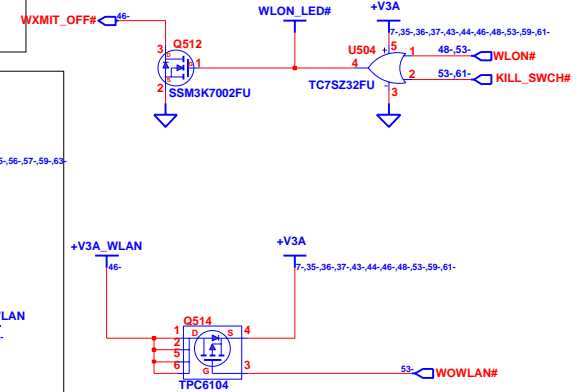
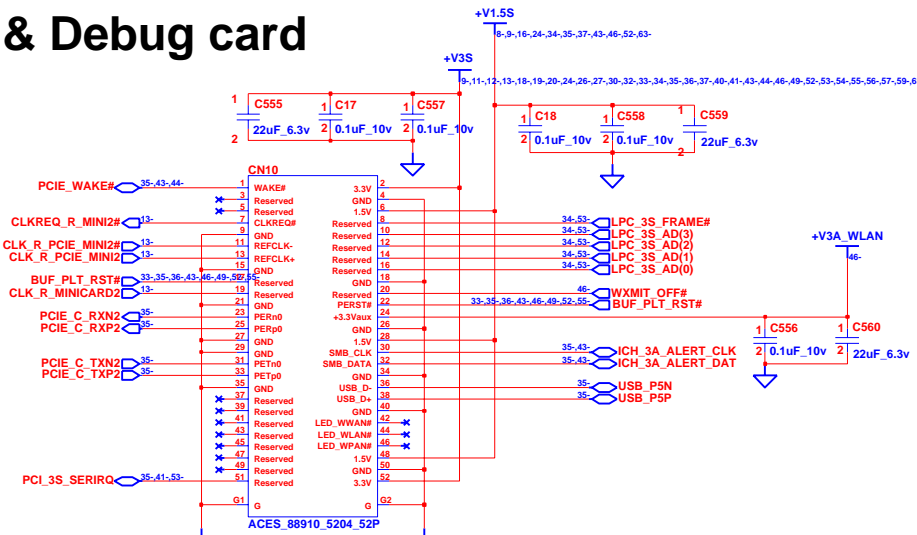
INVENTEC			
TITLE			
PT10SC LAN RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		45	OF 63

CHANGE by IEC951098 9-Jan-2008

# Robson



# Wireless & Debug card



**INVENTEC**

TITLE			
PT10SC Robson & WLAN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by IEC951098

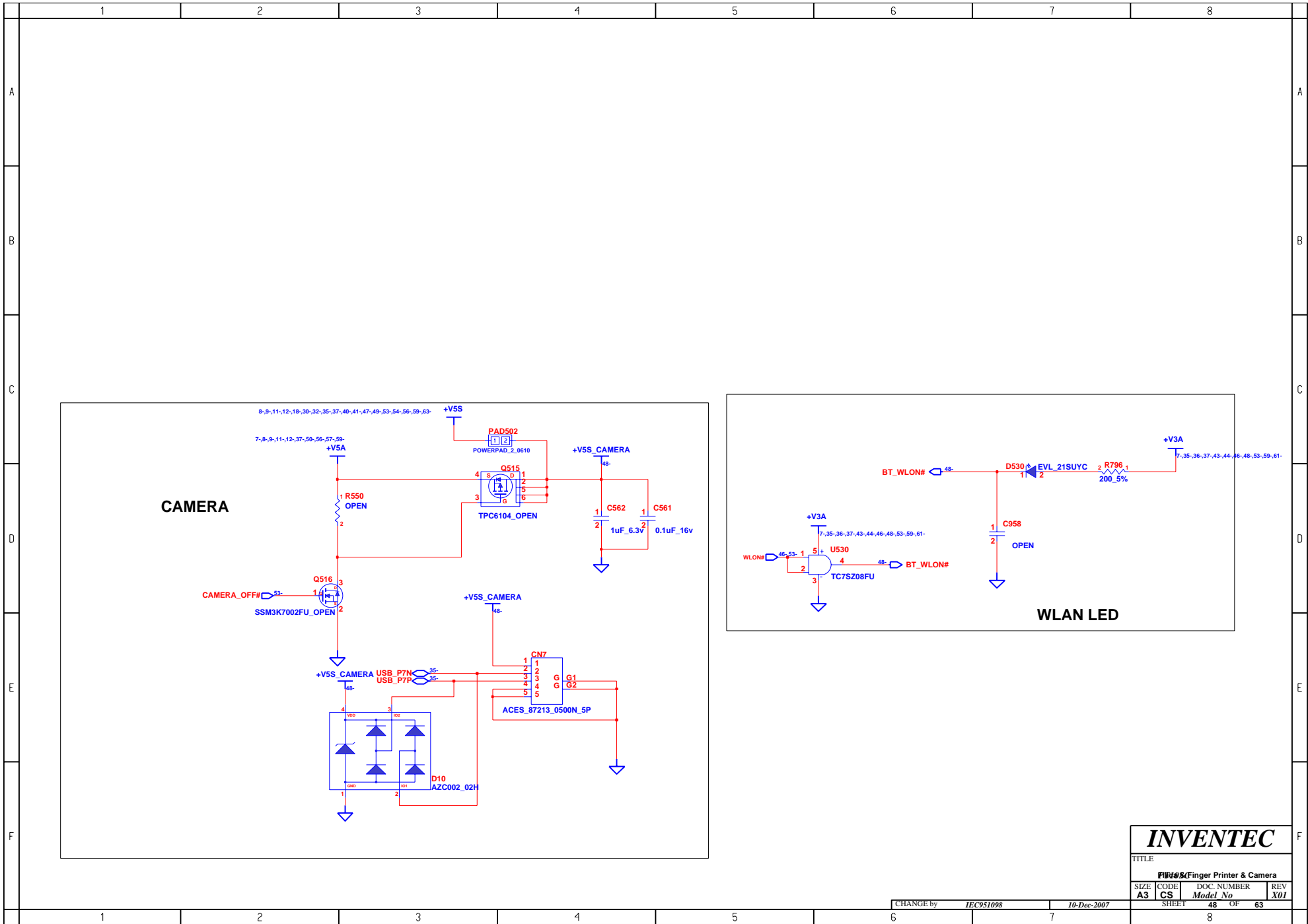
4-Dec-2007

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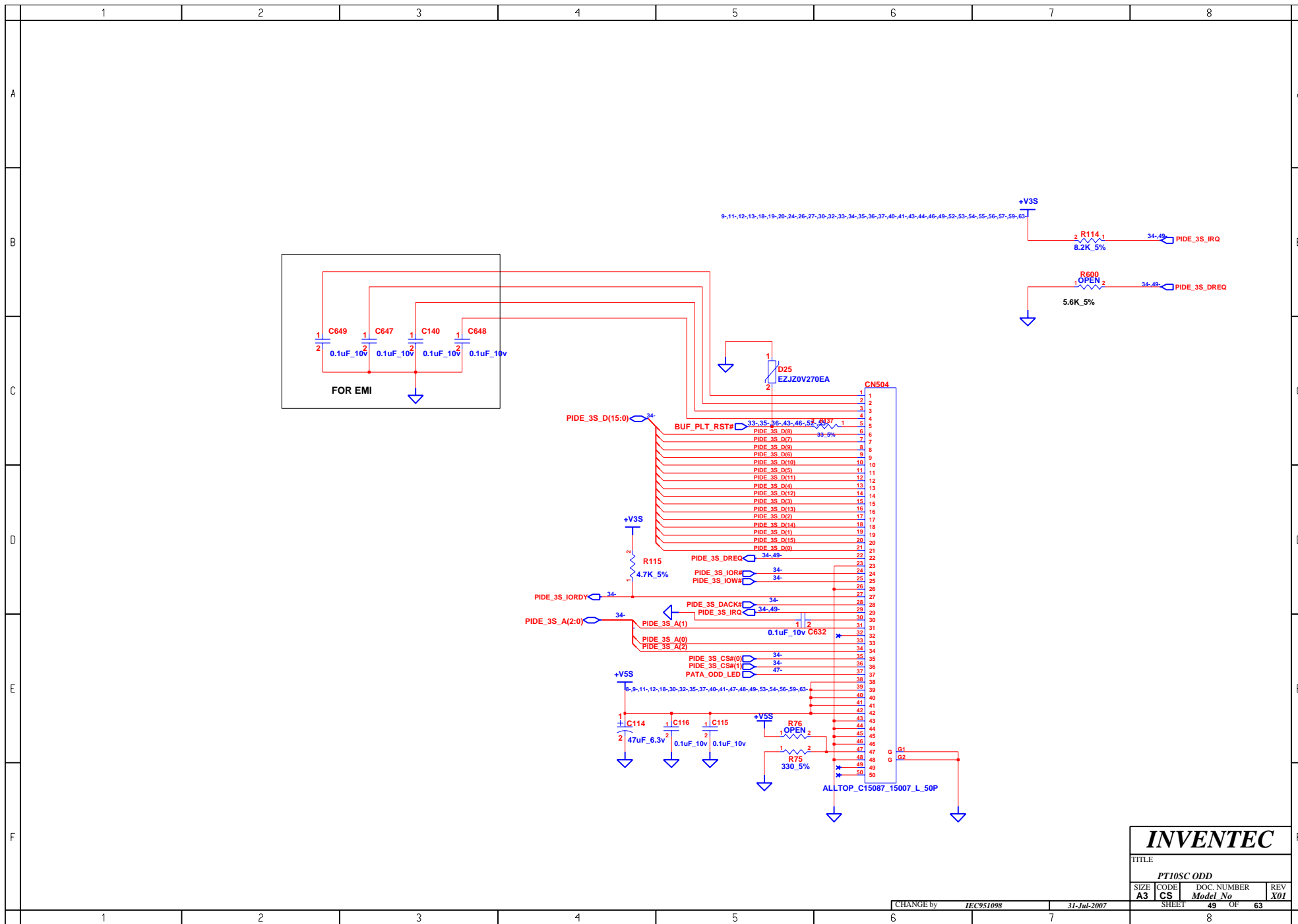
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CHANGE by	IEC951098	30-Nov-2007
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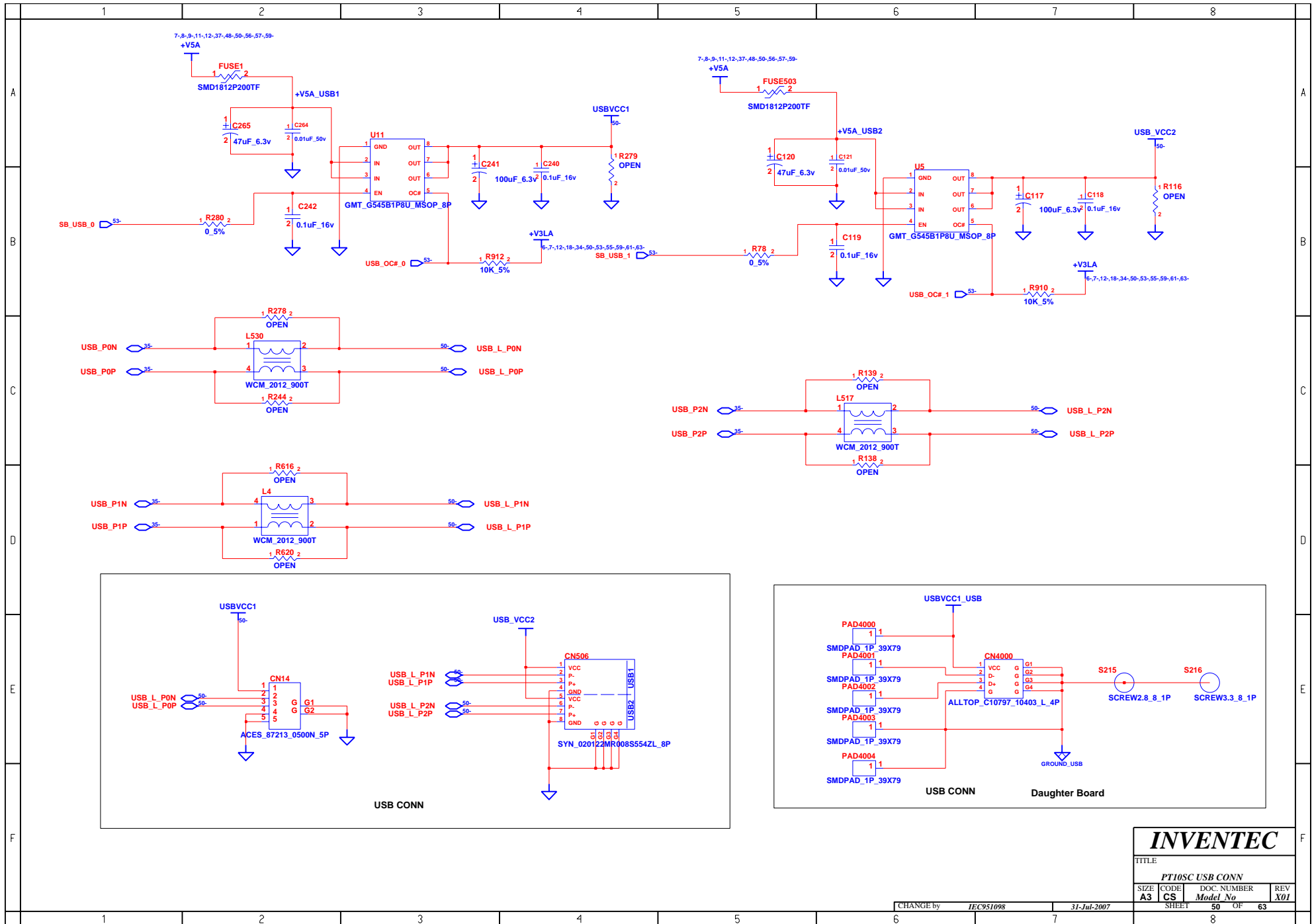
**INVENTEC**

TITLE  
PT10SC ODD

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by IEC951098 31-Jul-2007

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**INVENTEC**

TITLE			
PT10SC USB CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		50	OF 63

CHANGE by IEC951098 31-Jul-2007

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

INVENTEC

TITLE

PT10SC BLUETOOTH

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by	IEC951098	30-Nov-2007
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SHEET	51	OF	63
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# HD\_DVD

9-11,12-13,18,19-20,24-26,27-30,32-33,34-35,36-37,40-41,43-44,46-49,53-54,55,56-57,59-63-  
8-9,16-24-34,35-37,43-46,63-

+V3S  
+V1.5S

C900 C864 C818 C845 C846 C901  
22uF\_6.3v 0.1uF\_10v 0.1uF\_10v 0.1uF\_10v 0.1uF\_10v 22uF\_6.3v

CNS10  
WAKE# 3.3V  
Reserved GND  
Reserved 1.5V  
Reserved  
Reserved  
GND  
REFCLK-  
REFCLK+  
Reserved  
Reserved  
GND  
Reserved  
Reserved  
GND  
Reserved  
Reserved  
PERST#  
+3.3Vaux  
PERP0  
GND  
GND  
SMB\_CLK  
SMB\_DATA  
PETP0  
USB\_D-  
USB\_D+  
Reserved  
GND  
Reserved  
LED\_WWAN#  
Reserved  
LED\_WLAN#  
Reserved  
1.5V  
Reserved  
3.3V  
G1 G2  
ACES\_88910\_5204\_52P

CLK\_R\_PCIE\_MINI3#  
CLK\_R\_PCIE\_MINI3#  
PCIE\_C\_RXN4  
PCIE\_C\_RXP4  
PCIE\_C\_TXN4  
PCIE\_C\_TXP4

4.7K\_5%  
R780

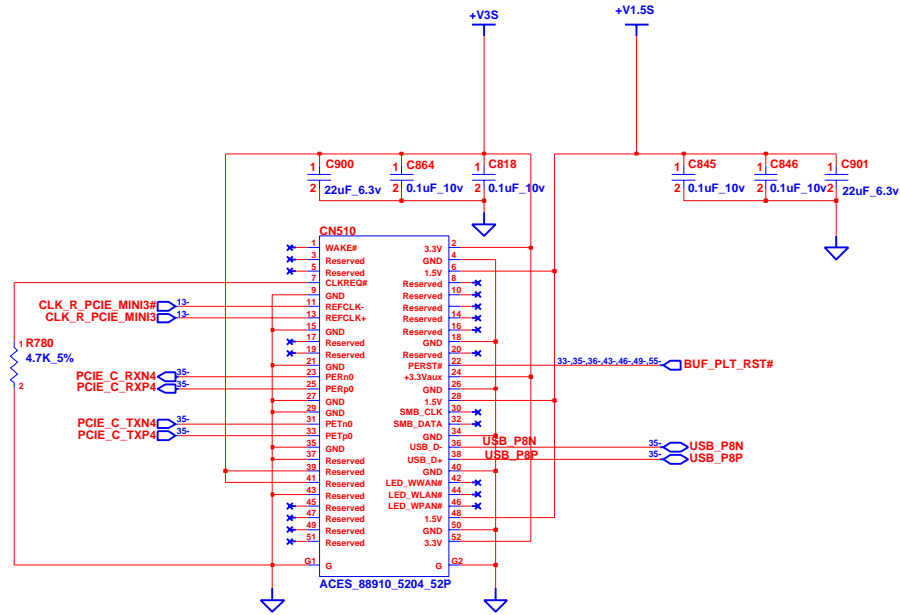
BUF\_PLT\_RST#  
USB\_P8N  
USB\_P8P

PT10SC 3G\_SIM  
SIZE A3 CODE CS DOC. NUMBER Model No REV X01  
SHEET 52 OF 63

CHANGE by IEC951098 27-Dec-2007

9-11-12-13-18-19-20-24-26-27-30-32-33-34-35-36-37-40-41-43-44-46-49-53-54-55-56-57-59-63

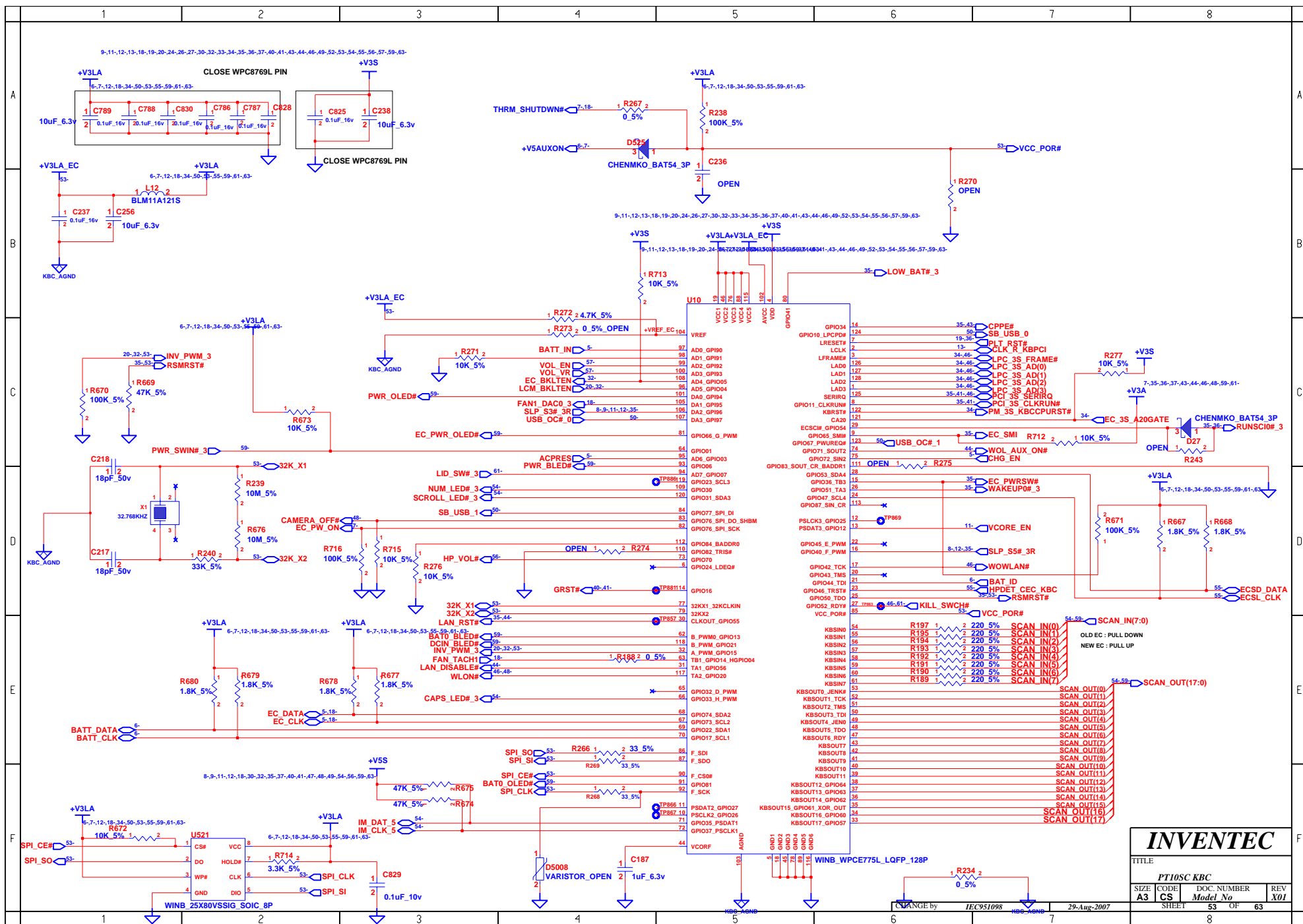
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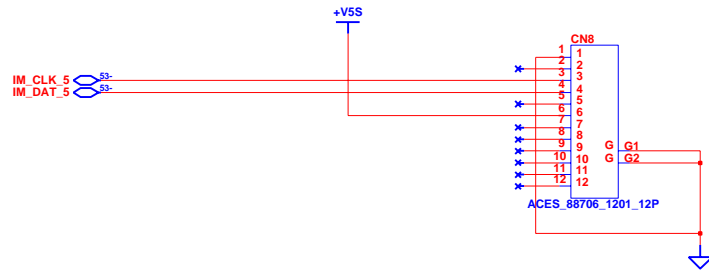
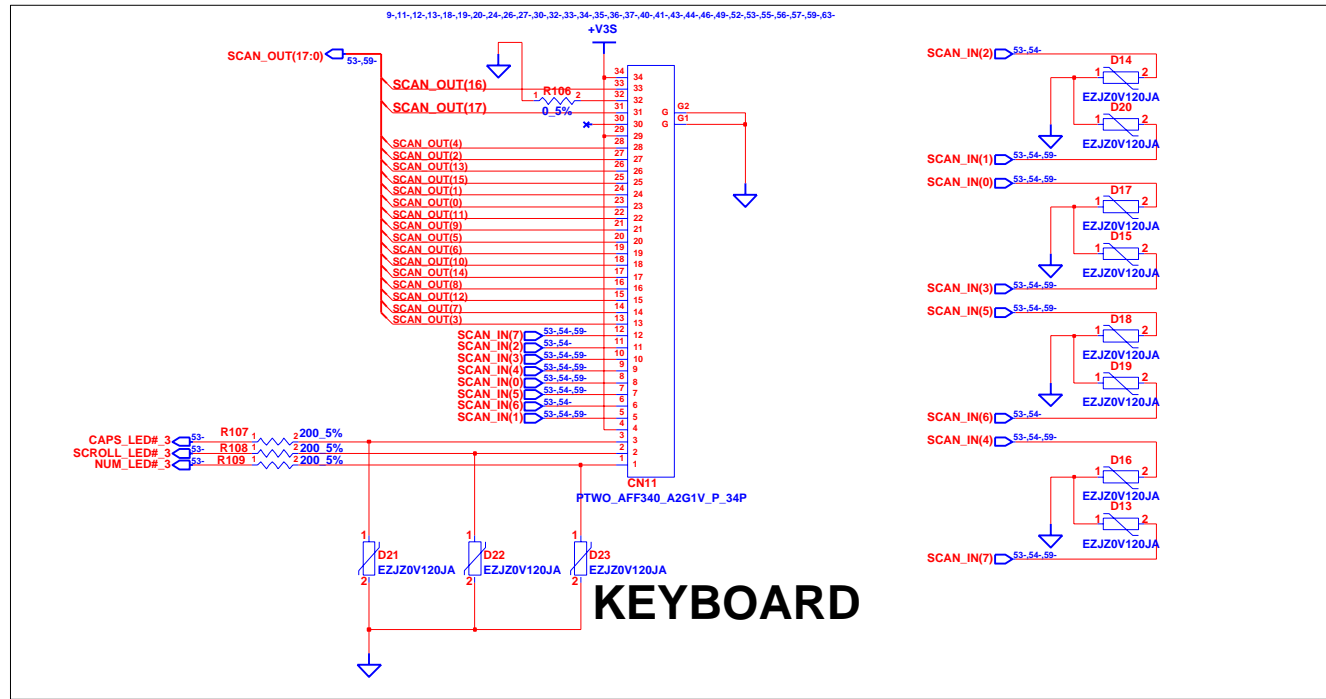


TITLE			
<i>PT10SC 3G SIM</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>Model No</i>	REV <i>X01</i>
SHEET 52 OF 63			

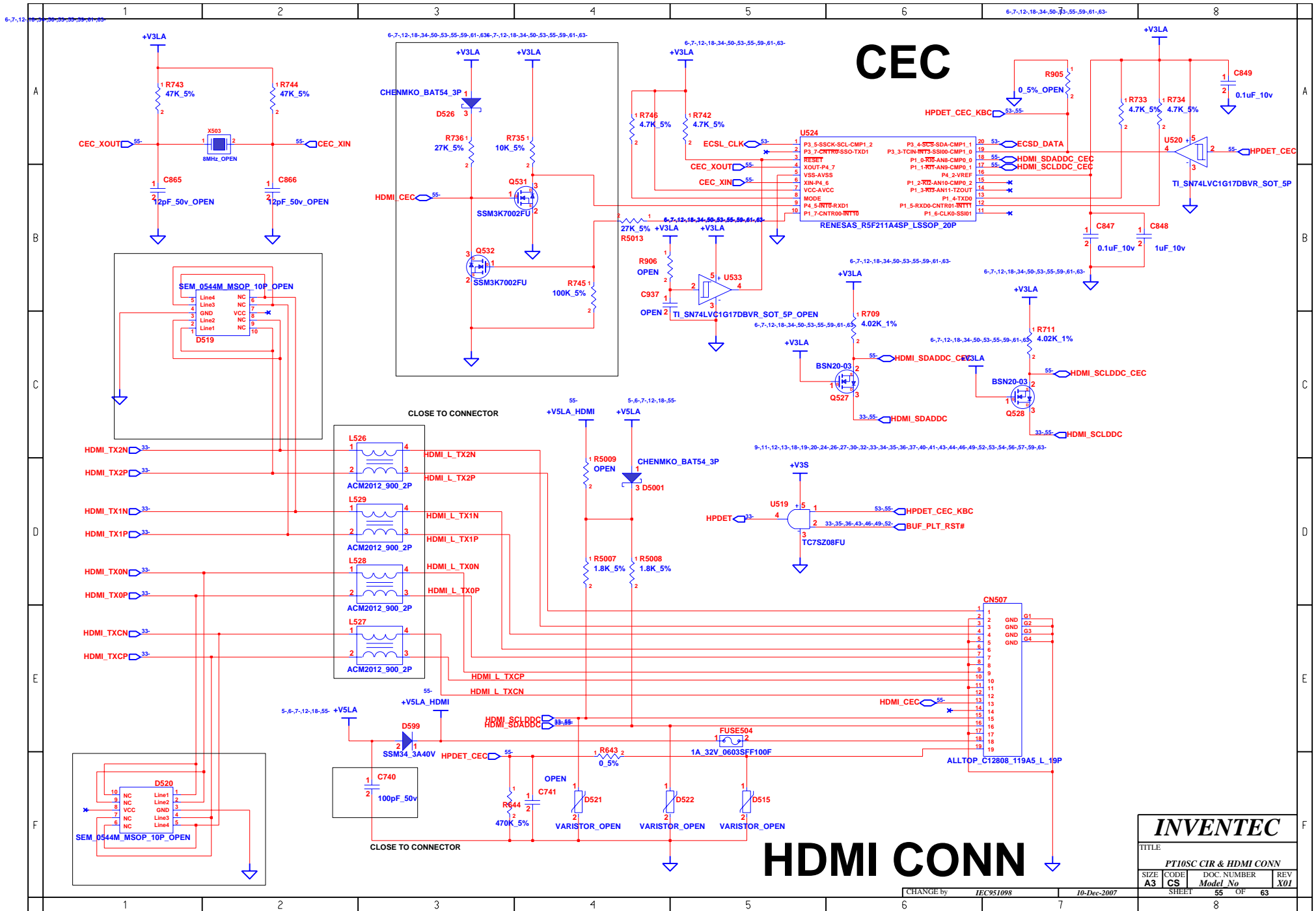
CHANGE by	IEC951098	27-Dec-2007
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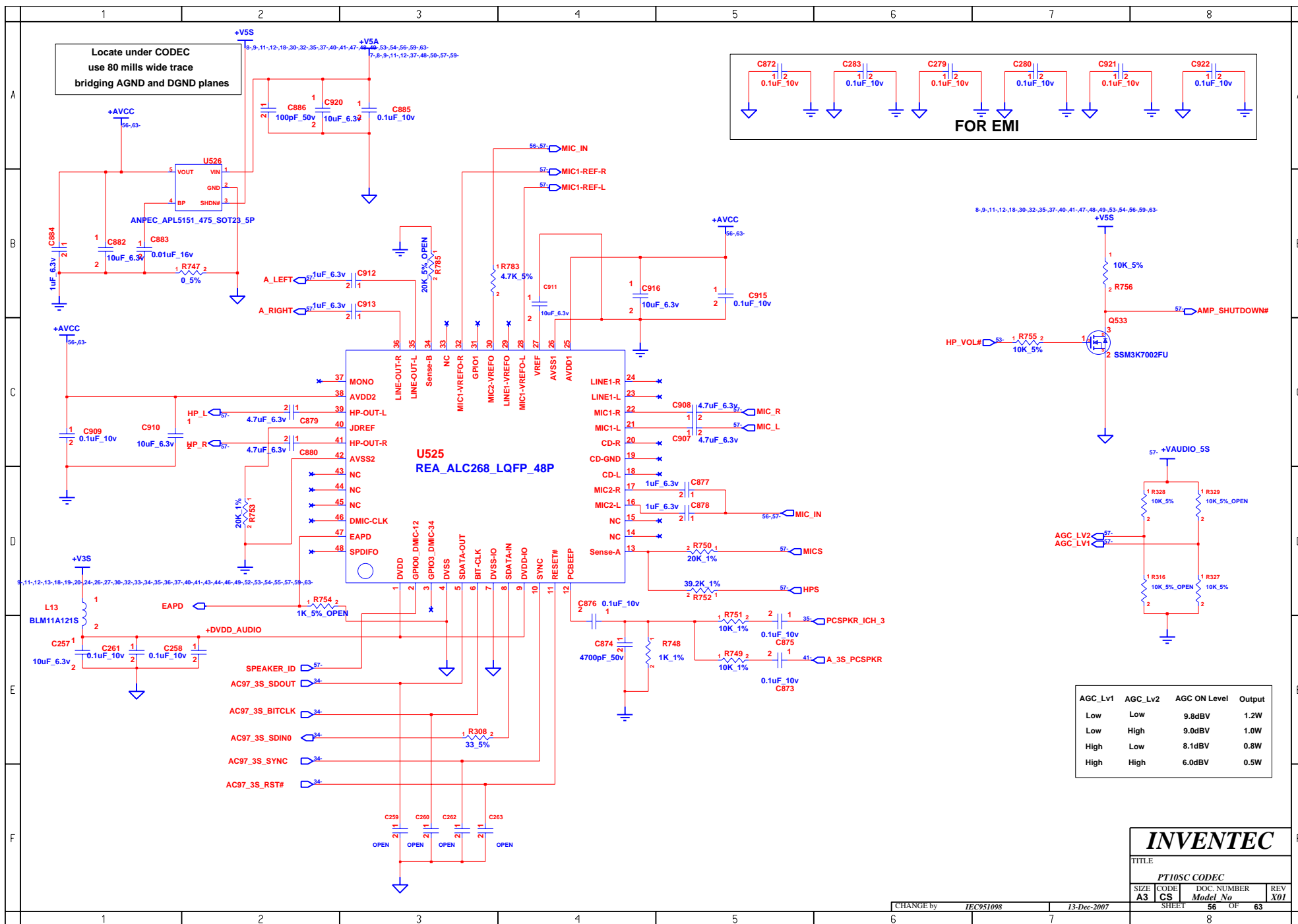
CS Model No  
SHEET 52 OF 63



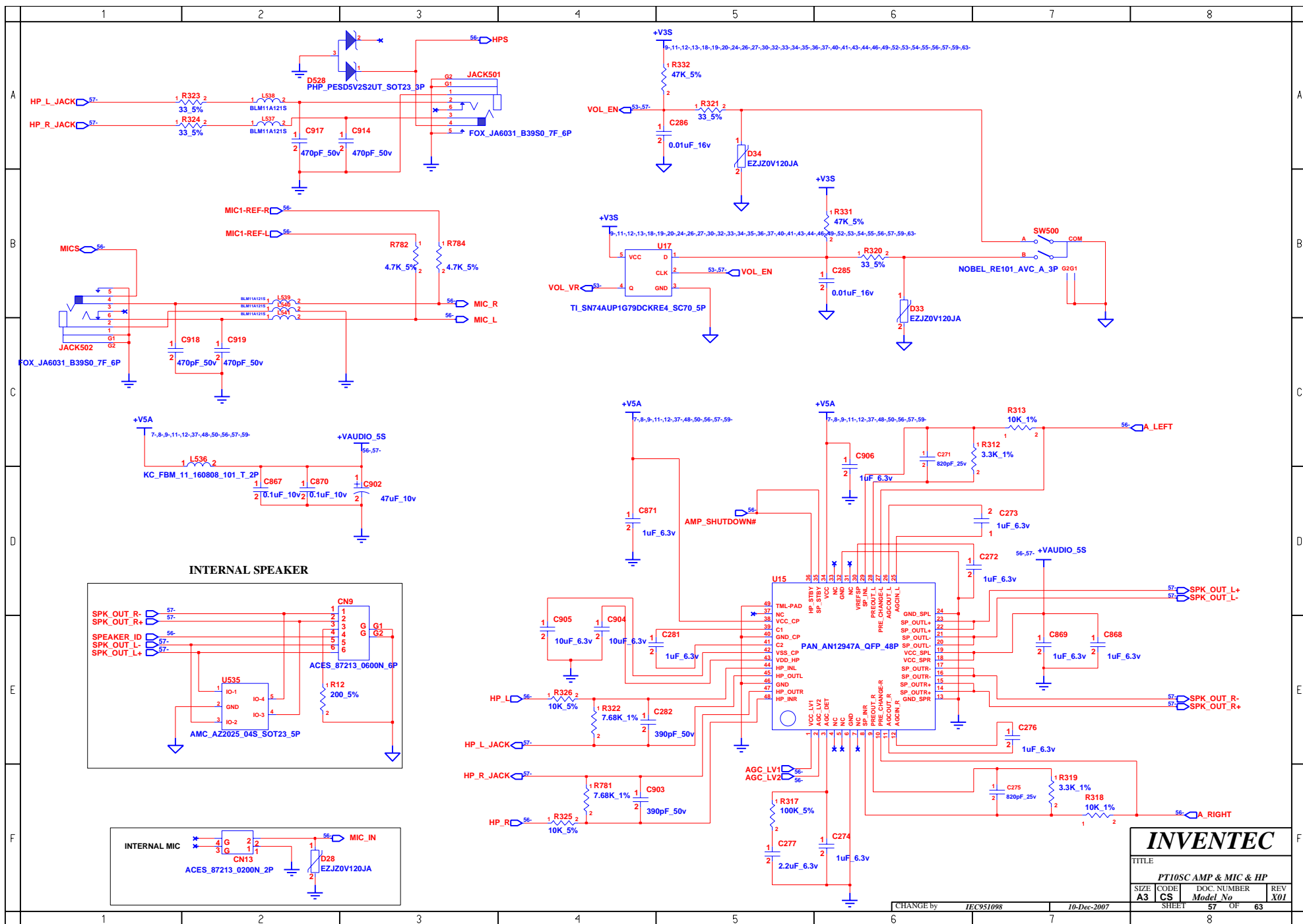


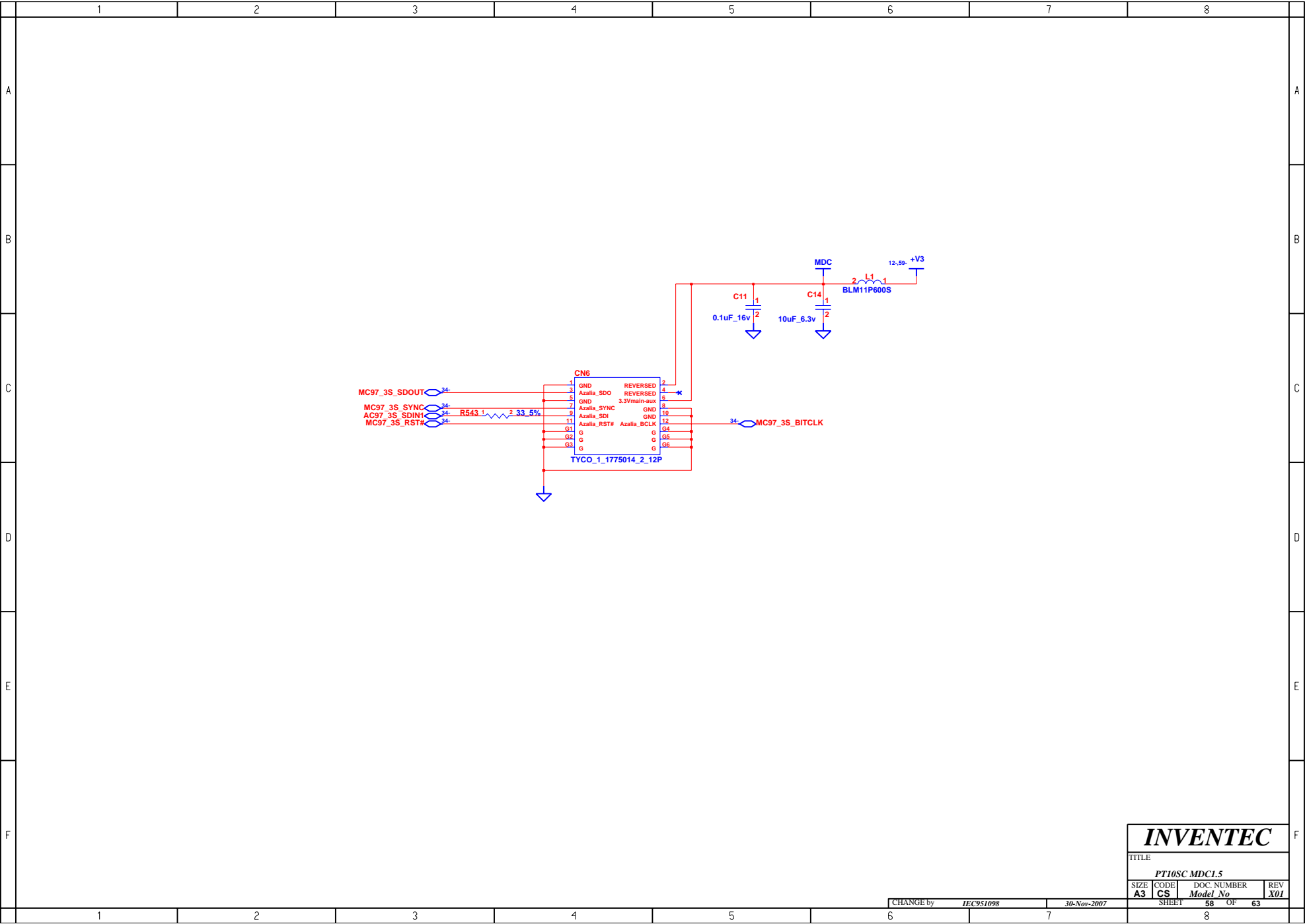
INVENTEC			
TITLE			
PT10SC INT.KBC/POINT DEVICES			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
CHANGE by		10-Dec-2007	
SHEET		54	OF 63











**INVENTEC**

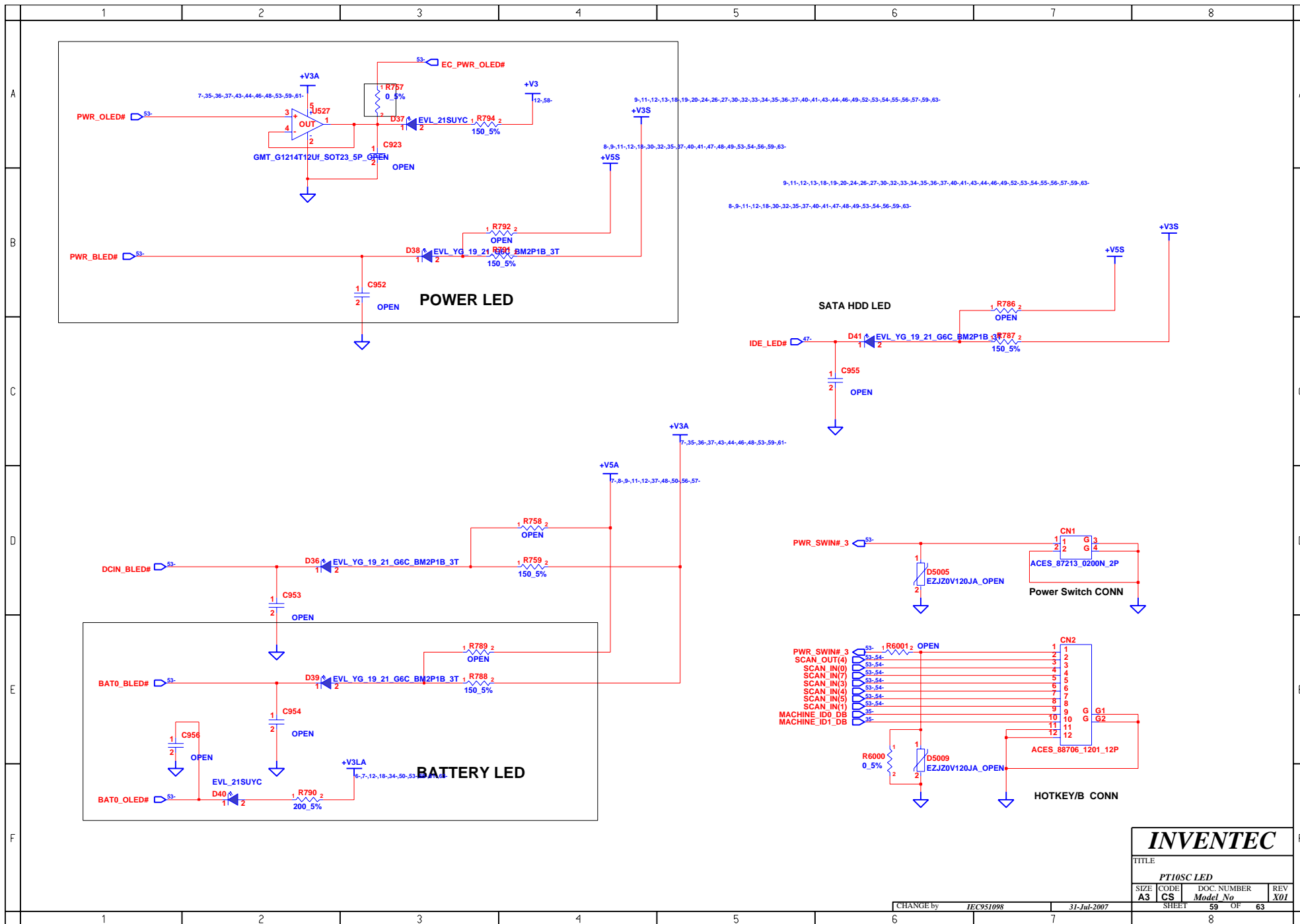
TITLE

PT10SC MDCL.5

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

SHEET 58 OF 63

CHANGE by IEC951098 30-Nov-2007

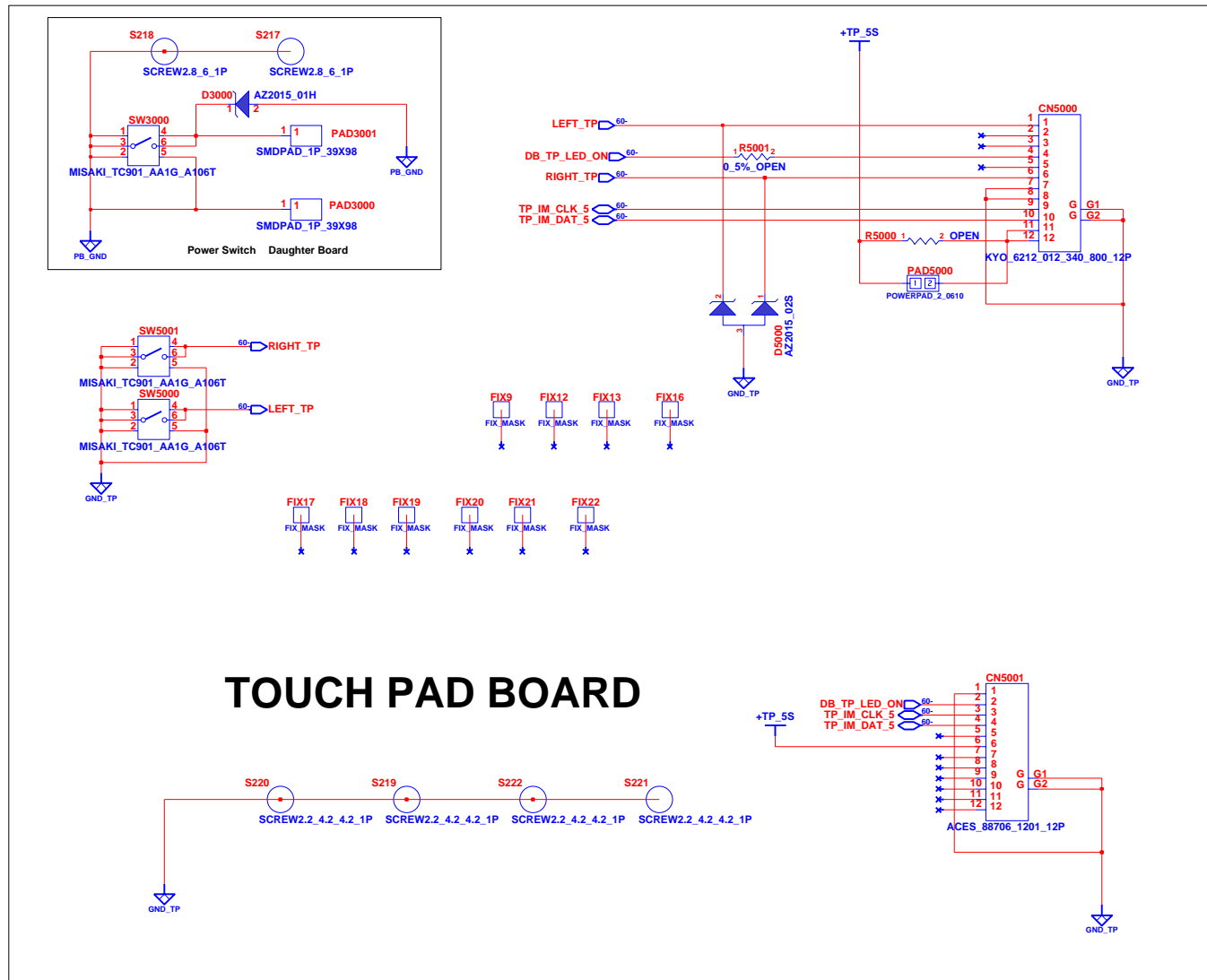


**INVENTEC**

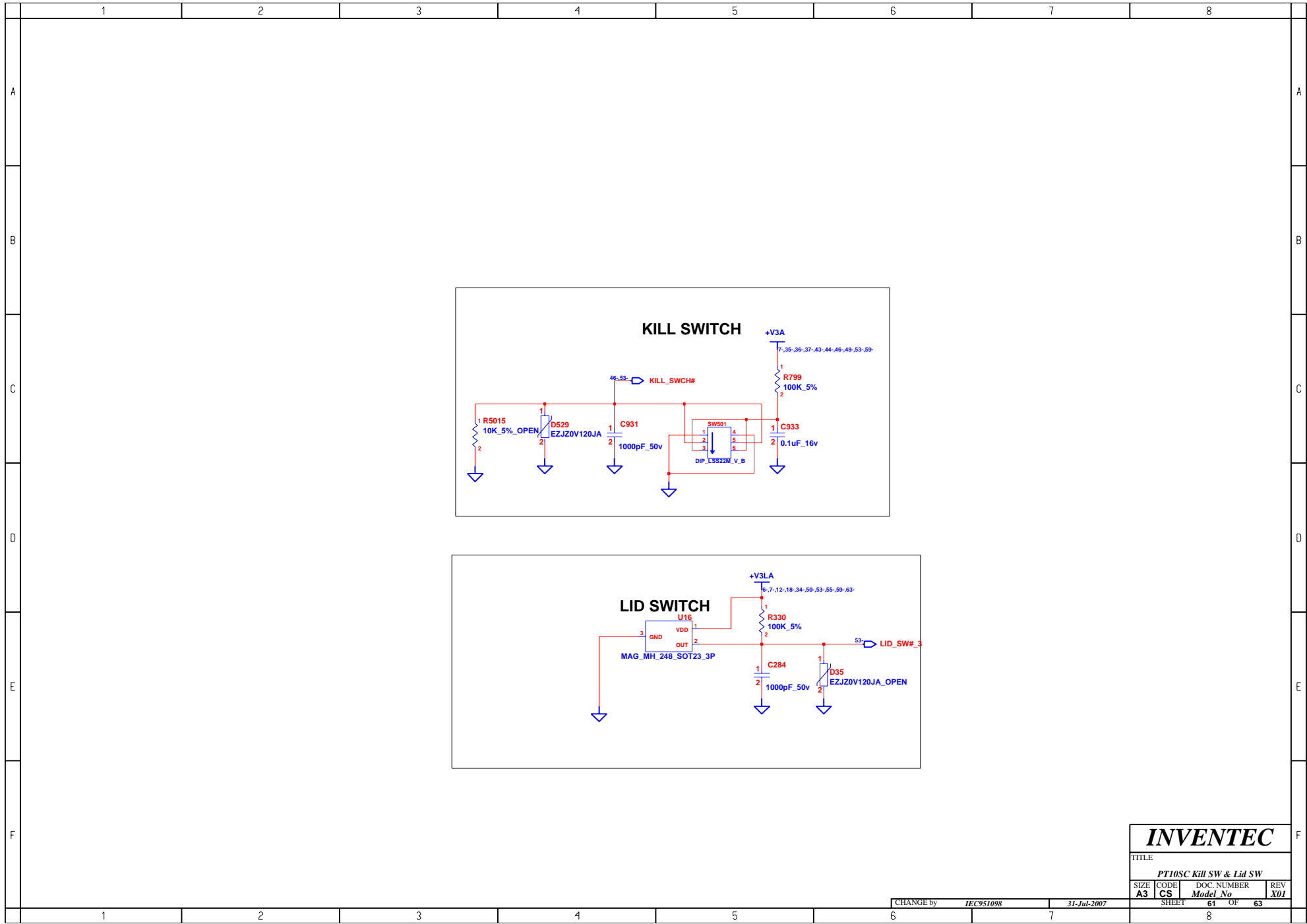
TITLE			
PT10SC LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by IEC951098 31-Jul-2007

SHEET 59 OF 63



INVENTEC			
TITLE			
Touch Pad Board			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
CHANGE by IEC951098		5-Nov-2007	
SHEET 60		OF 63	
1		8	



**INVENTEC**

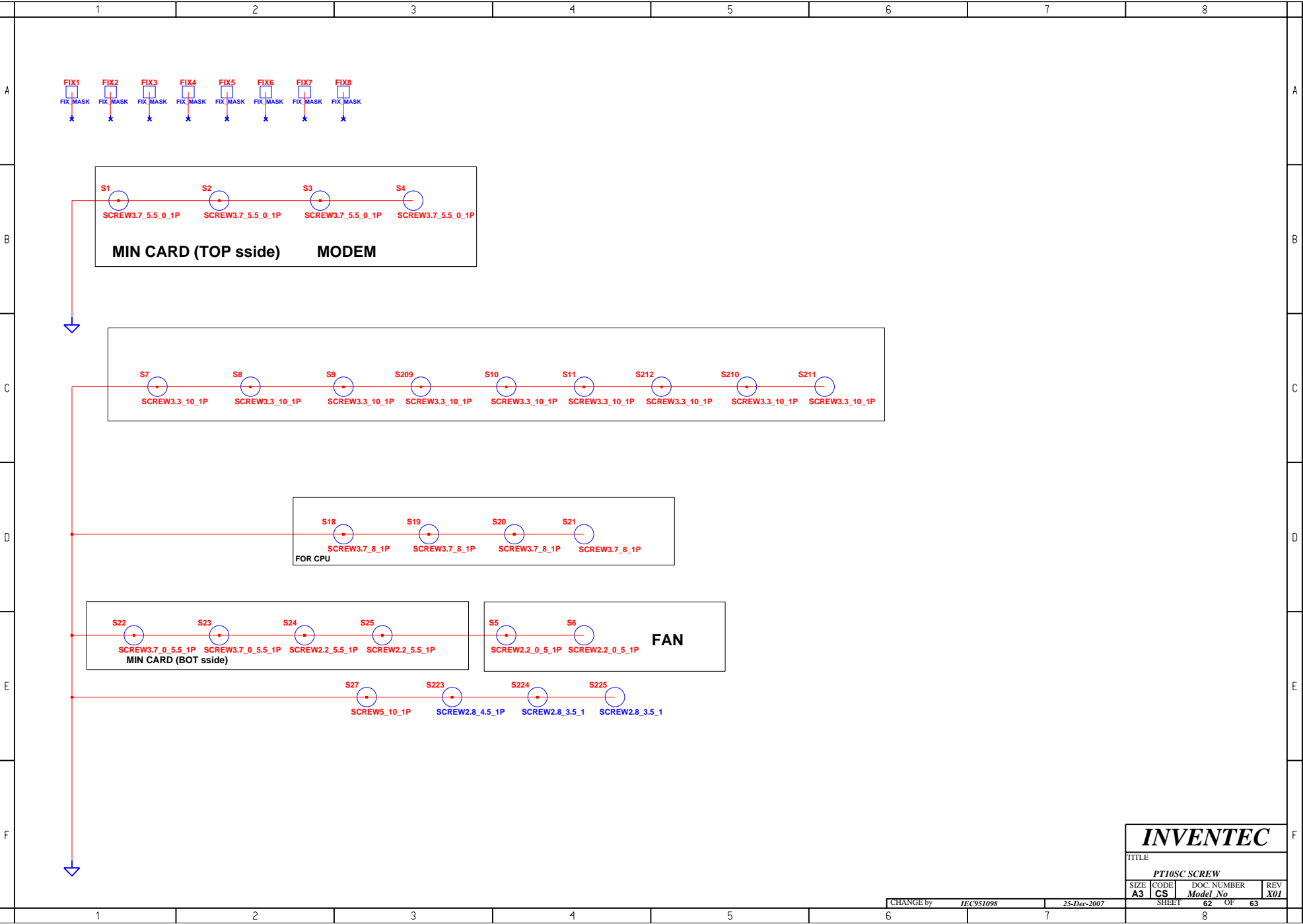
TITLE

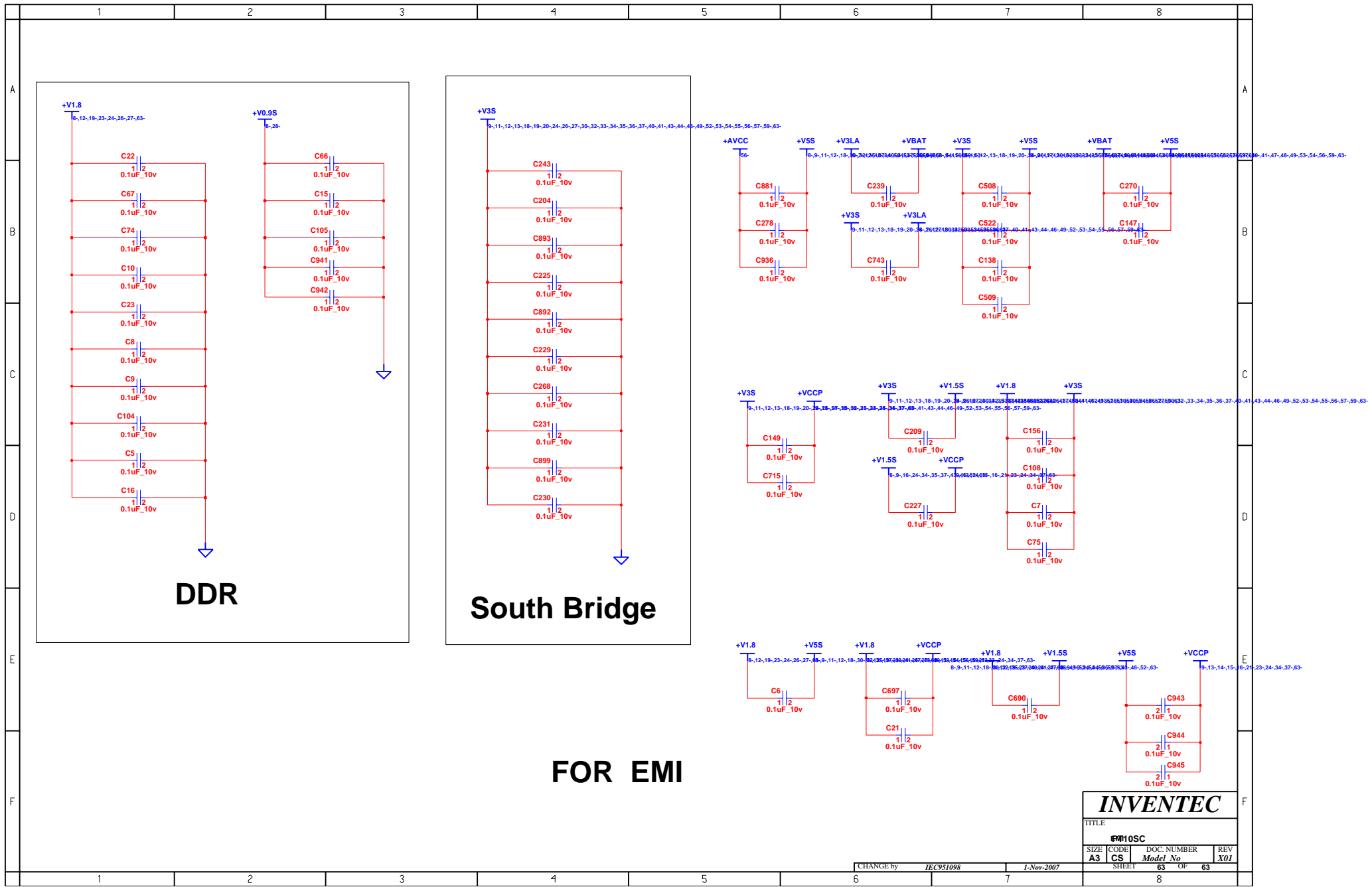
PT10SC Kill SW & Lid SW

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

SHEET 61 OF 63

CHANGE by IEC951098 31-Jul-2007





**INVENTEC**

TITLE

EM10SC

SIZE CODE DOC. NUMBER REV

A3 CS Model No

SHEET 63 OF 63

CHANGE by IEC951098 I-Nov-2007

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