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HSF Property:ROHS or Halogen-Free

BANDIT HD+

MV BUILD

2012.10.25

2012/09/10	2012-ECO-017507	A
DATE	CHANGE NO.	REV

INVENTEC					TITLE		
DRAWER	EE	DATE	POWER	DATE	MODEL PROJECT FUNCTION		
DESIGN	xxx	21-OCT-2002	RAY CHEN	21-OCT-2002	ULTRABOOK MAIN BOARD		
CHECK	xxx	21-OCT-2002	RAY CHEN	21-OCT-2002			
RESPONSIBLE	xxx	21-OCT-2002	RAY CHEN	21-OCT-2002			
SIZE: A3				VER: A02	SIZE: A3	CODE: CS	DOC NUMBER: 1310000000-X-D-0
FILE TYPE: BANDIT.MB: 1310000000-X-D-0				PIN: ggggksc24102	SHEET	REV: 001	

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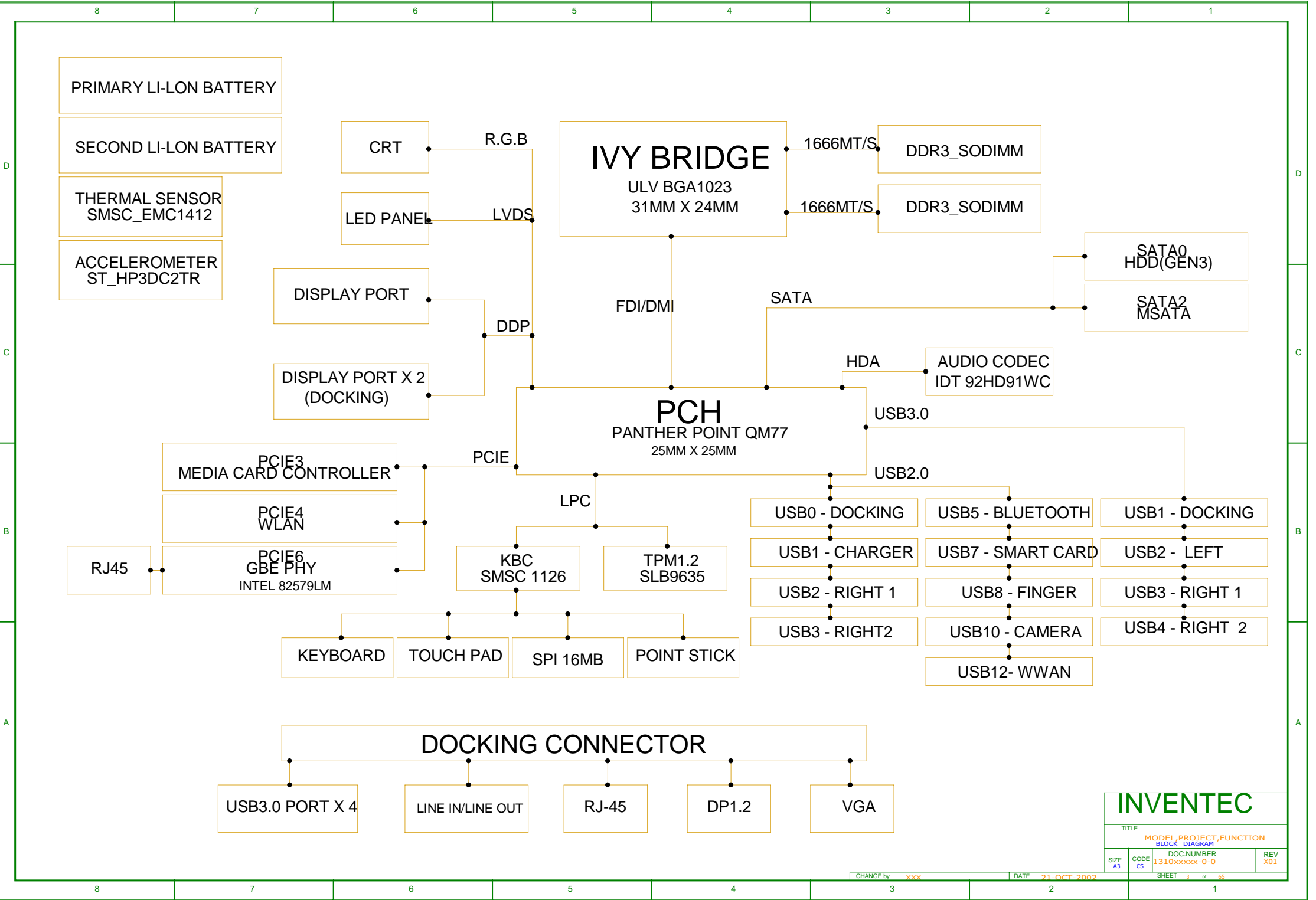
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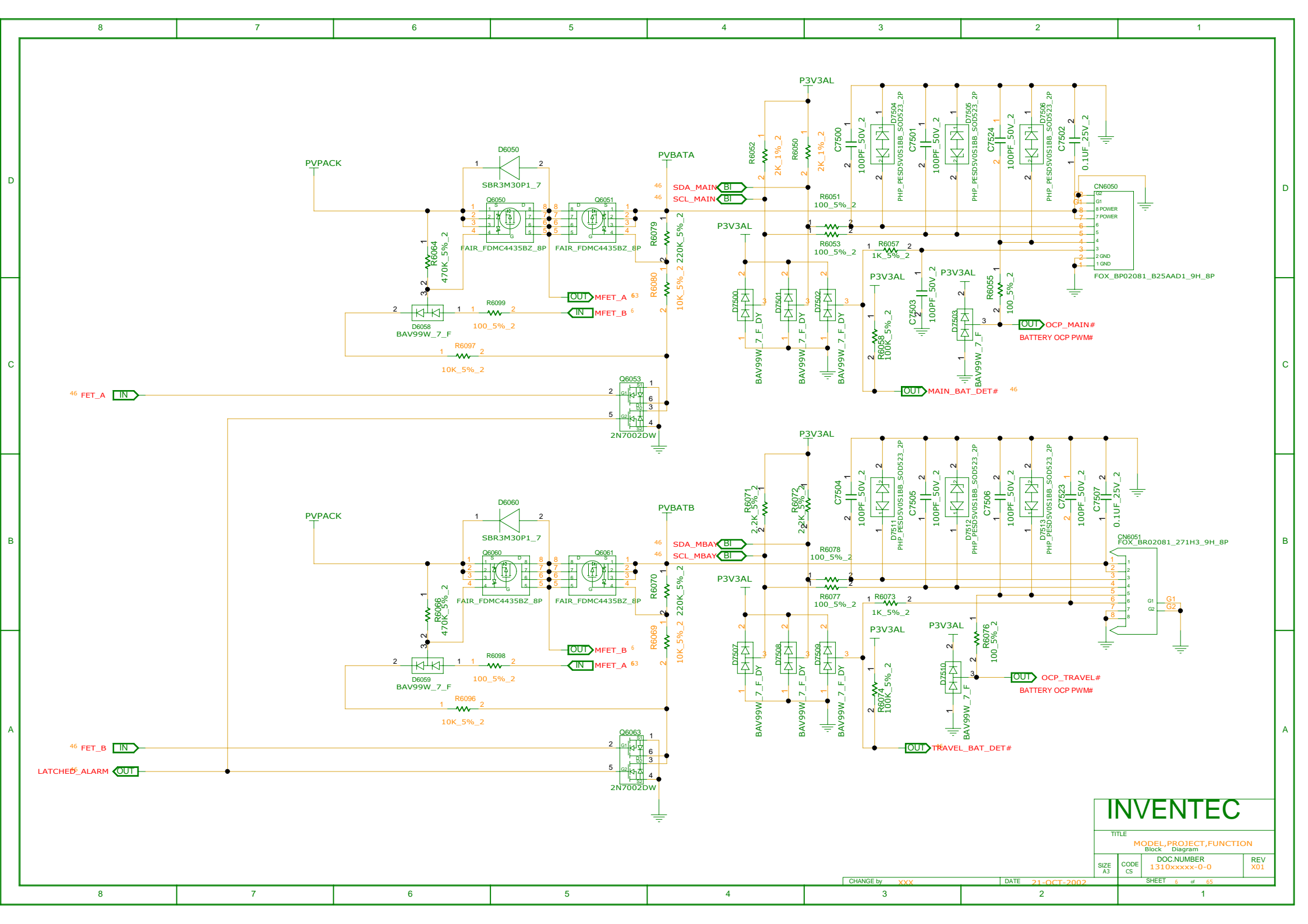
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INVENTEC

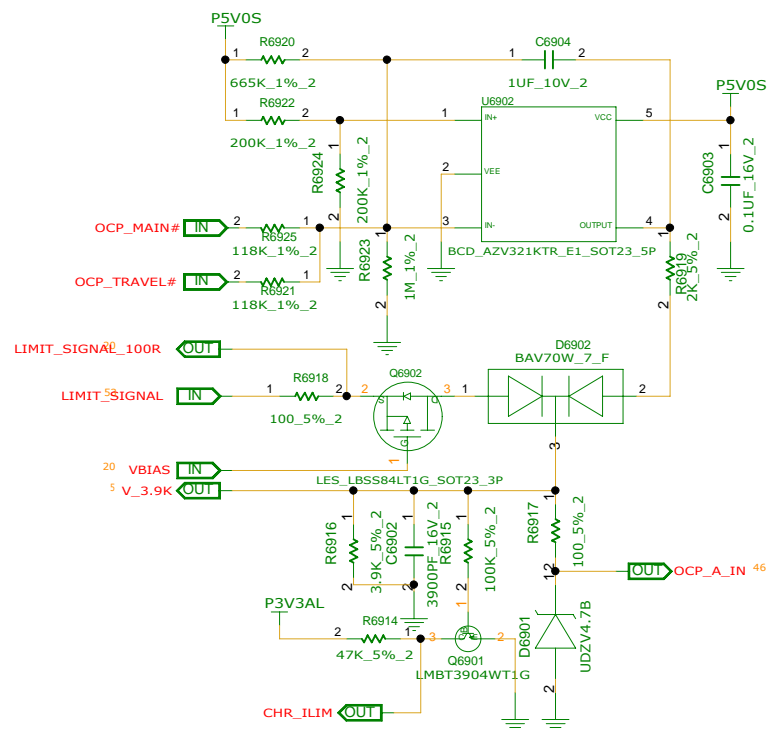
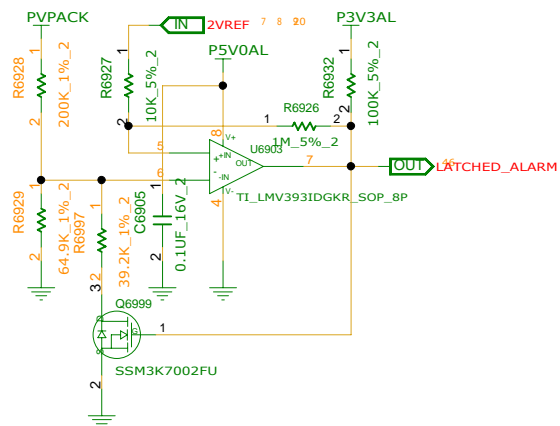
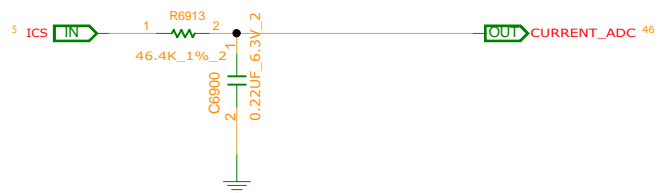
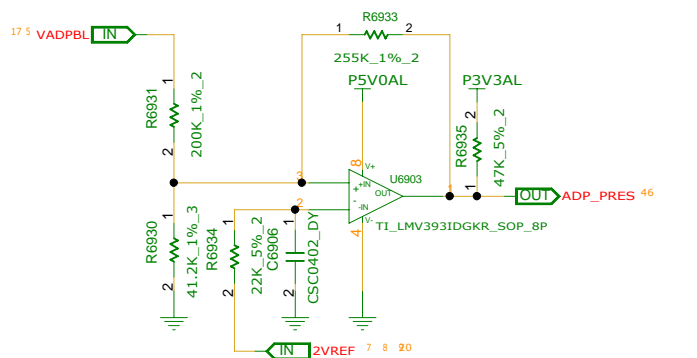
TITLE
MODEL PROJECT FUNCTION
TABLE OF CONTENTS

SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
CHANGE by XXX		DATE 21-OCT-2002	SHEET 2 of 65





INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
CHANGE by XXX			
DATE 21-OCT-2002			
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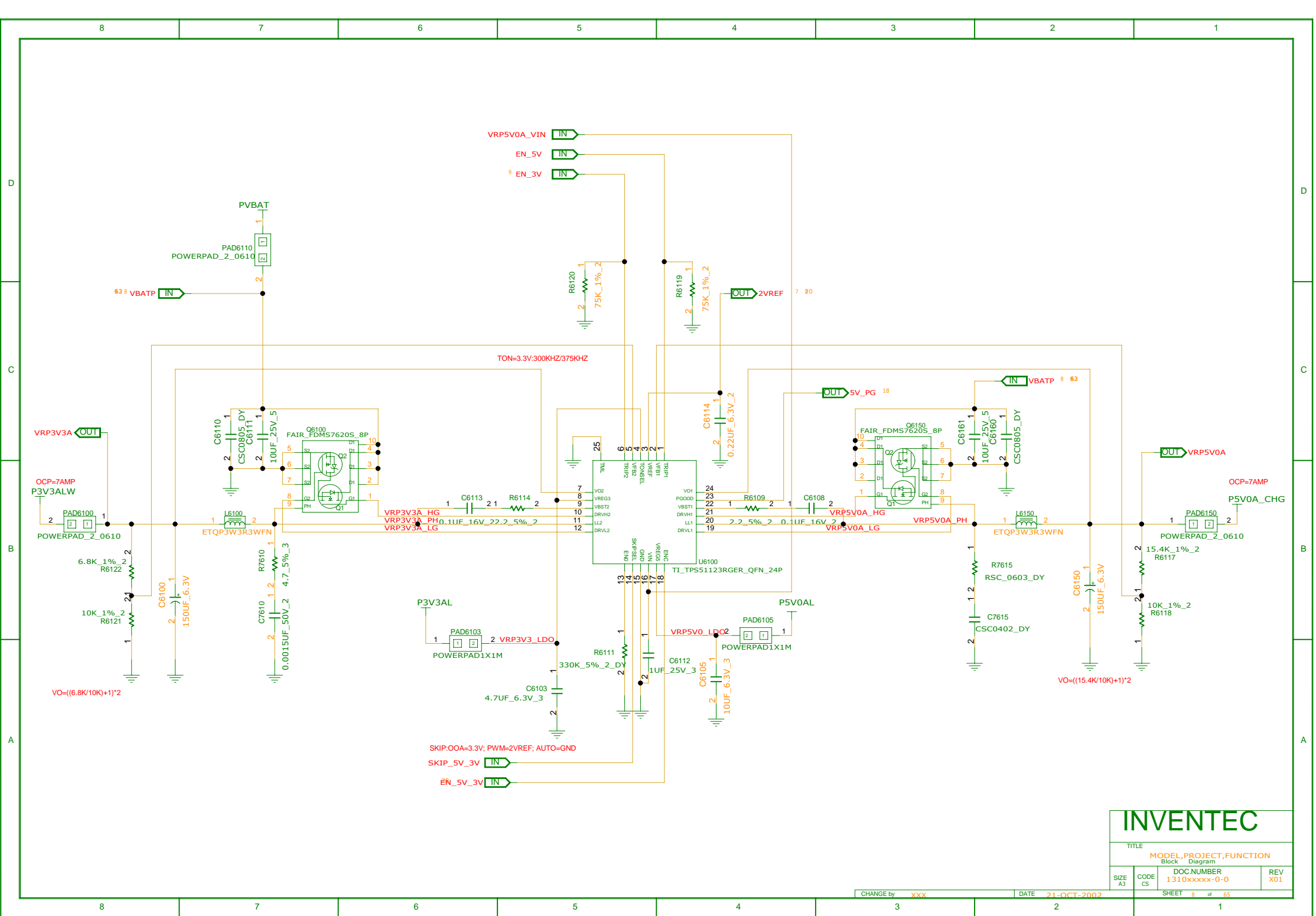


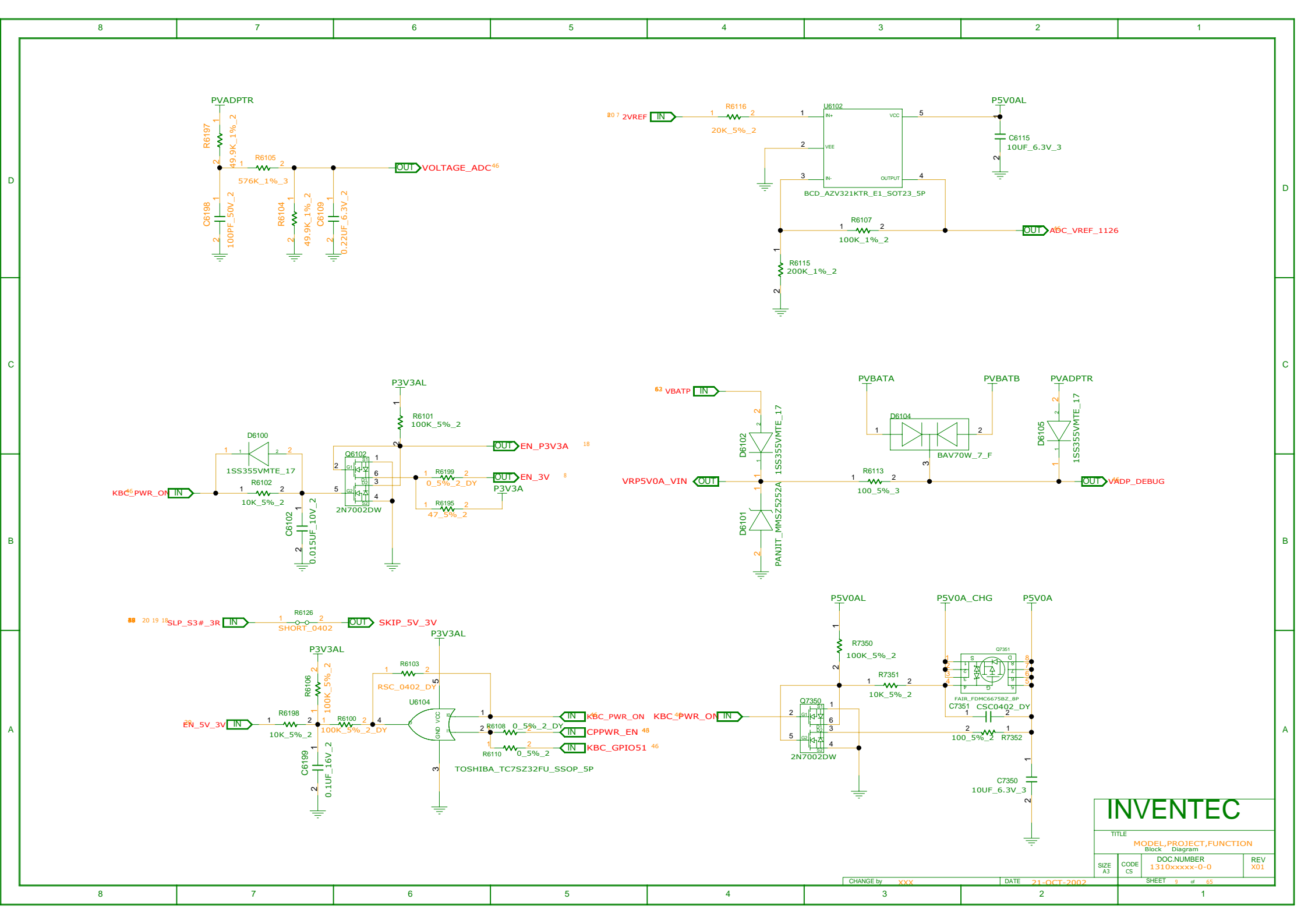
INVENTEC

TITLE	MODEL, PROJECT, FUNCTION
Block Diagram	

SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
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CHANGE by	XXX	DATE	21-OCT-2002
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INVENTEC

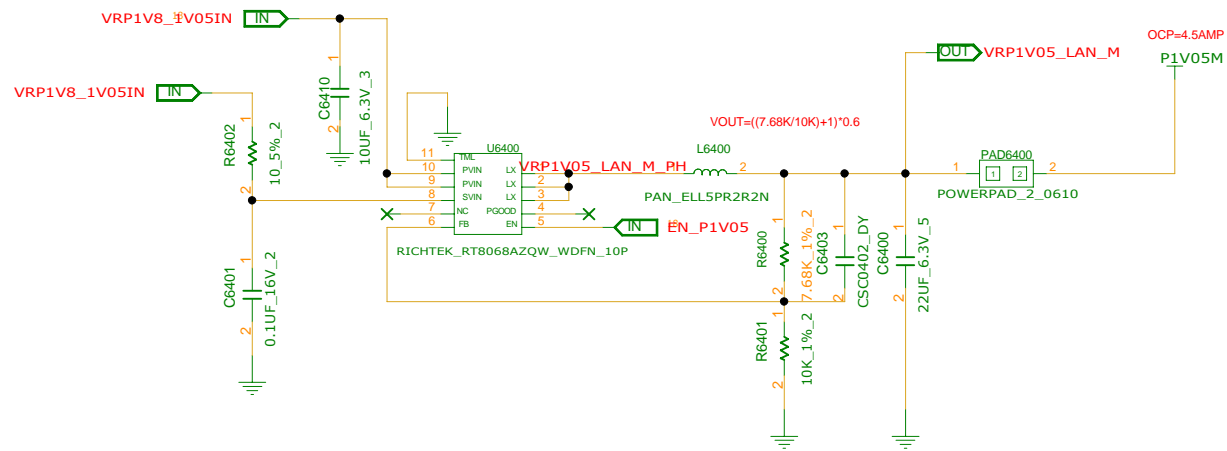
TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
DOC NUMBER		REV	
1310xxxxx-0-0		X01	
SIZE	CODE	SHEET	
A3	CS	8 of 65	



VTT
ON
F(High-Z)
(Discharge)

STATE	S3	S5	VREF	VDDQ	VTTREF	VTT
S0	HI	HI	ON	ON	ON	ON
S3	LO	HI	ON	ON	ON	OFF(High-Z)
S4/S5	LO	LO	OFF	OFF(Discharge)	OFF(Discharge)	OFF(Discharge)

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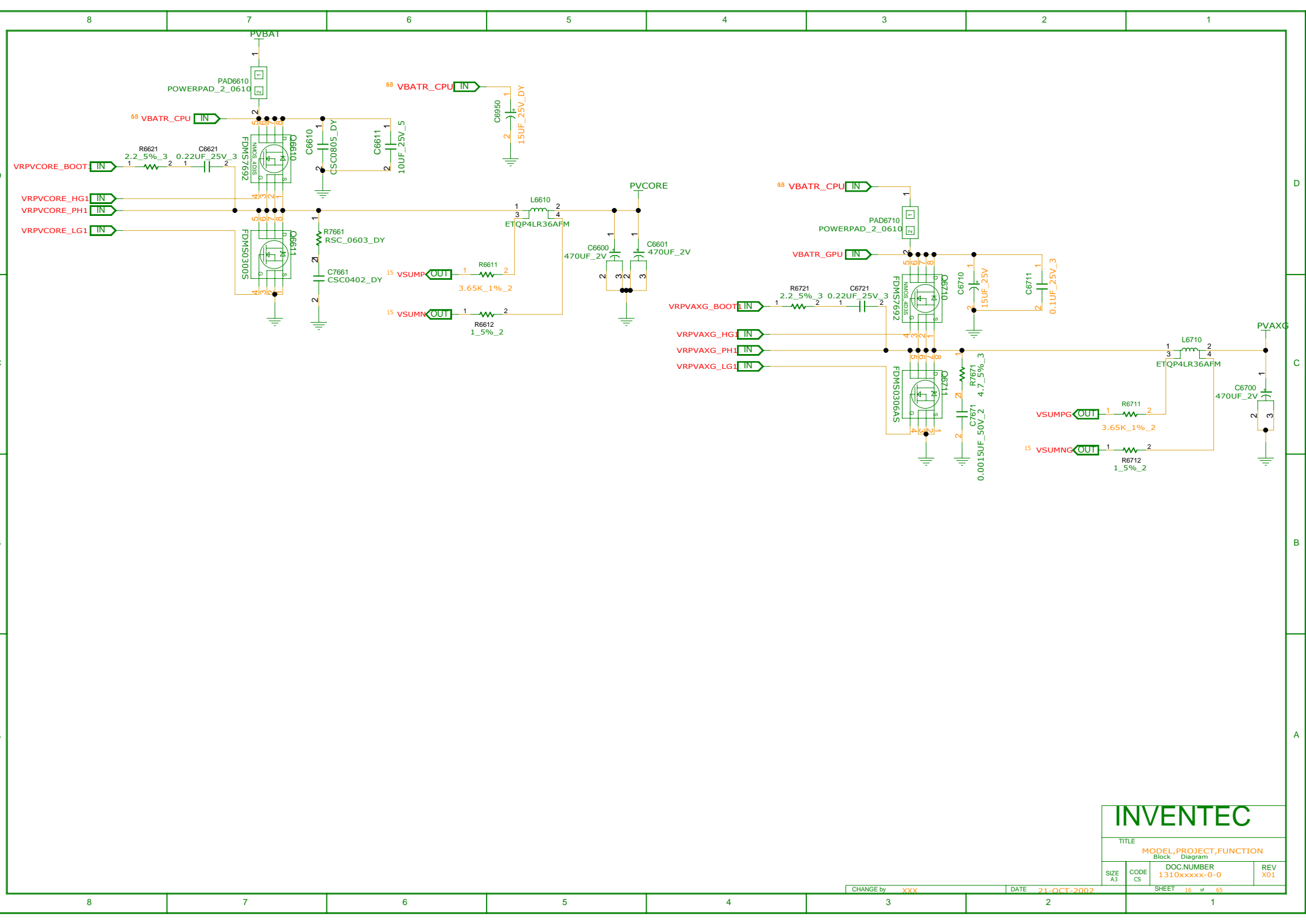


INVENTEC

TITLE
MODEL,PROJECT,FUNCTION
Block Diagram

SIZE A3 CODE CS DOC NUMBER 1310xxxxx-0-0 REV X01

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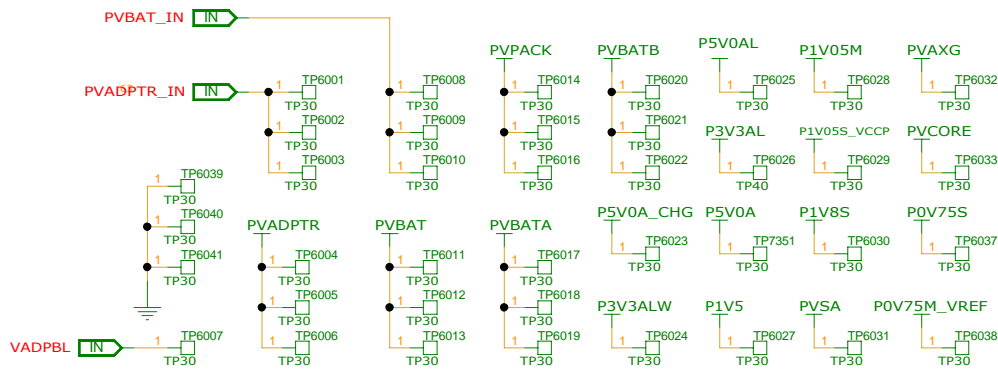


INVENTEC

TITLE
MODEL, PROJECT, FUNCTION
Block Diagram

SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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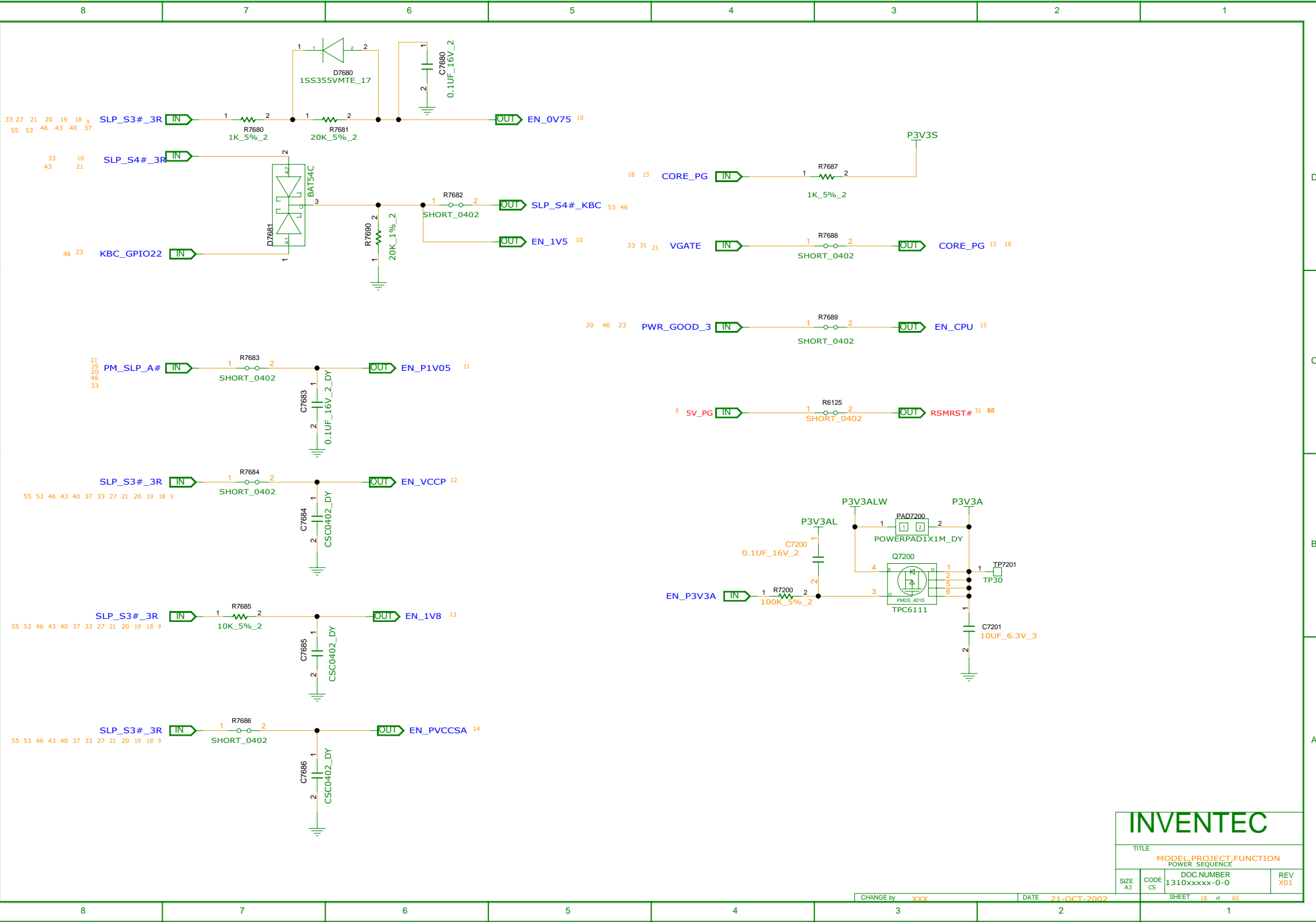
INVENTEC

TITLE
MODEL,PROJECT,FUNCTION
Block Diagram

SIZE A3	CODE CS	DOC NUMBER 1310xxxx-0-0	REV X01
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CHANGE by XXX DATE 21-OCT-2002



INVENTEC

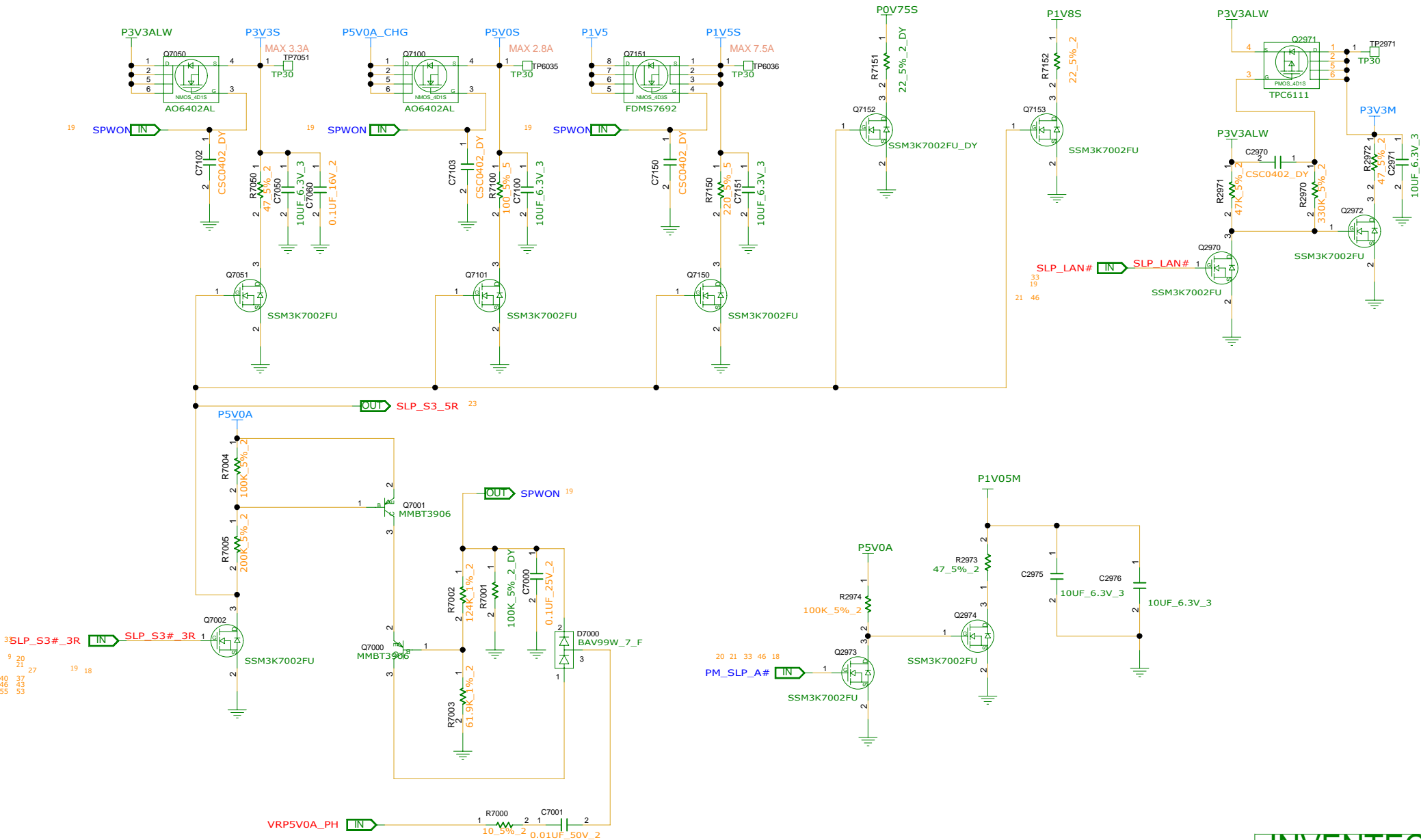
TITLE MODEL PROJECT FUNCTION
POWER SEQUENCE

SIZE CODE DOC NUMBER REV
A3 CS 1310xxxxx-0-0 X01

CHANGE by XXX DATE 21-OCT-2002

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REFERENCE NUMBER : 7000~7350

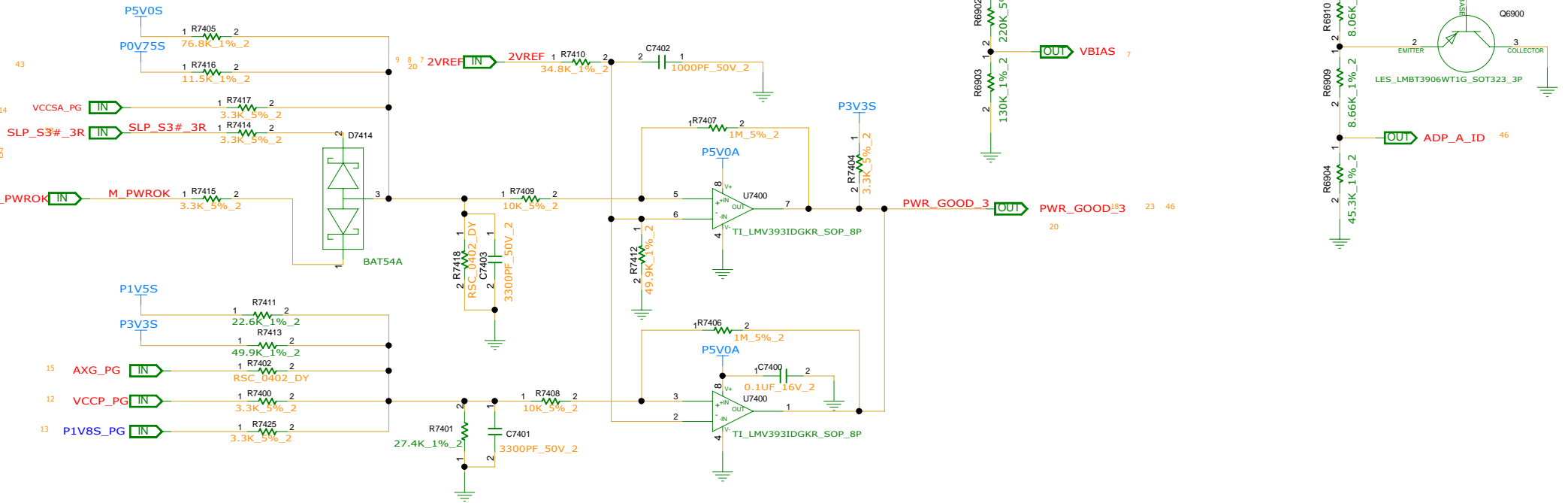


Q2971 WHETHER CAN CHANGE TO
6015B0017101 PMV65XP OR NOT

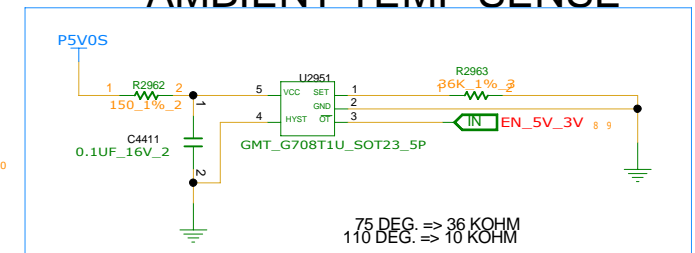
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INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION POWER(SLEEP)			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
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REFERENCE NUMER : 7400~7450



AMBIENT TEMP SENSE



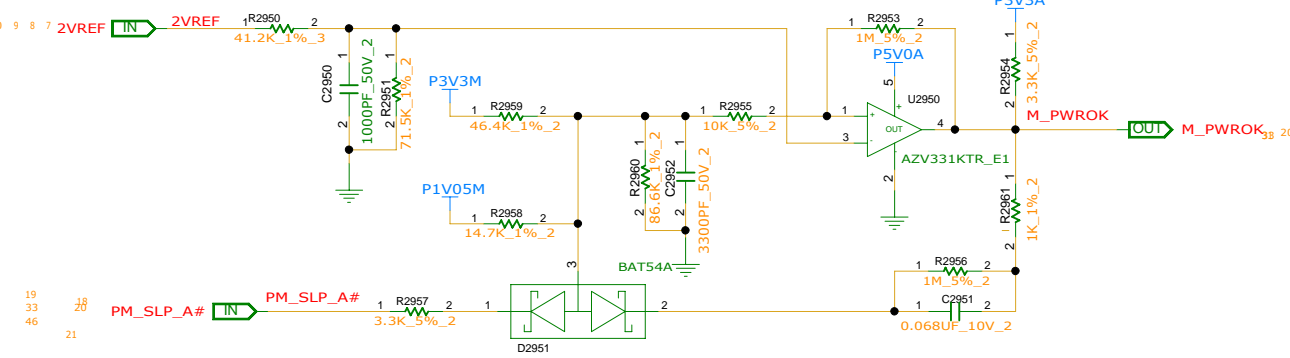
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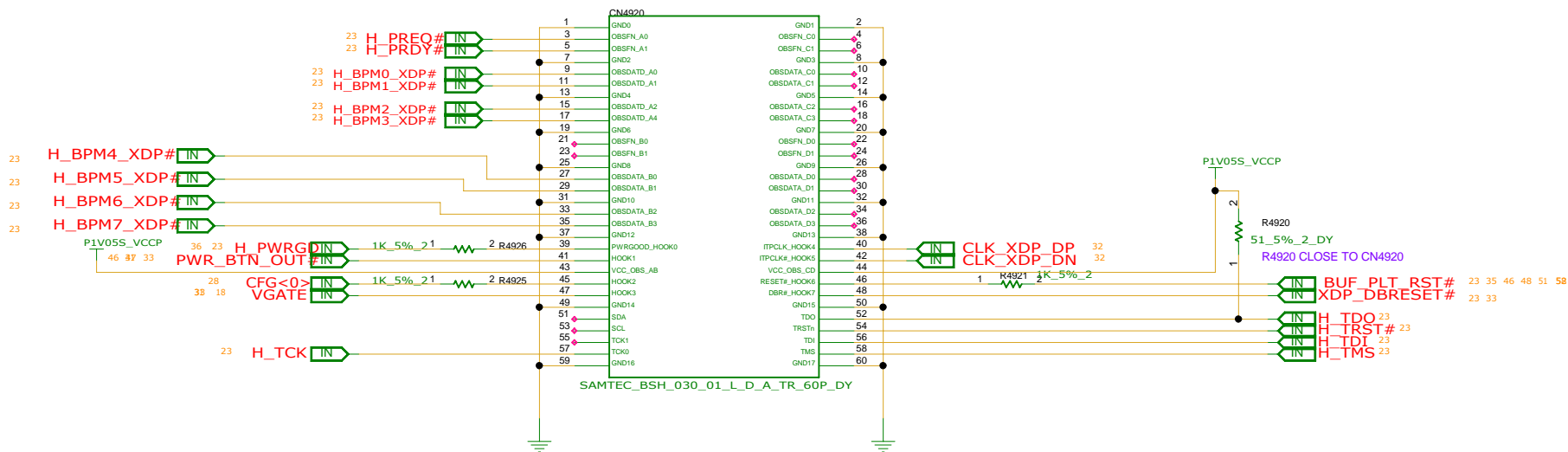
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MODEL PROJECT FUNCTION POWER (SEQUENCE)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxx-0-0	REV X01

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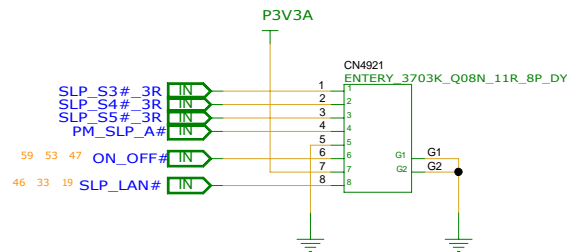
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CPU XDP CONNECTOR



ME DEBUG

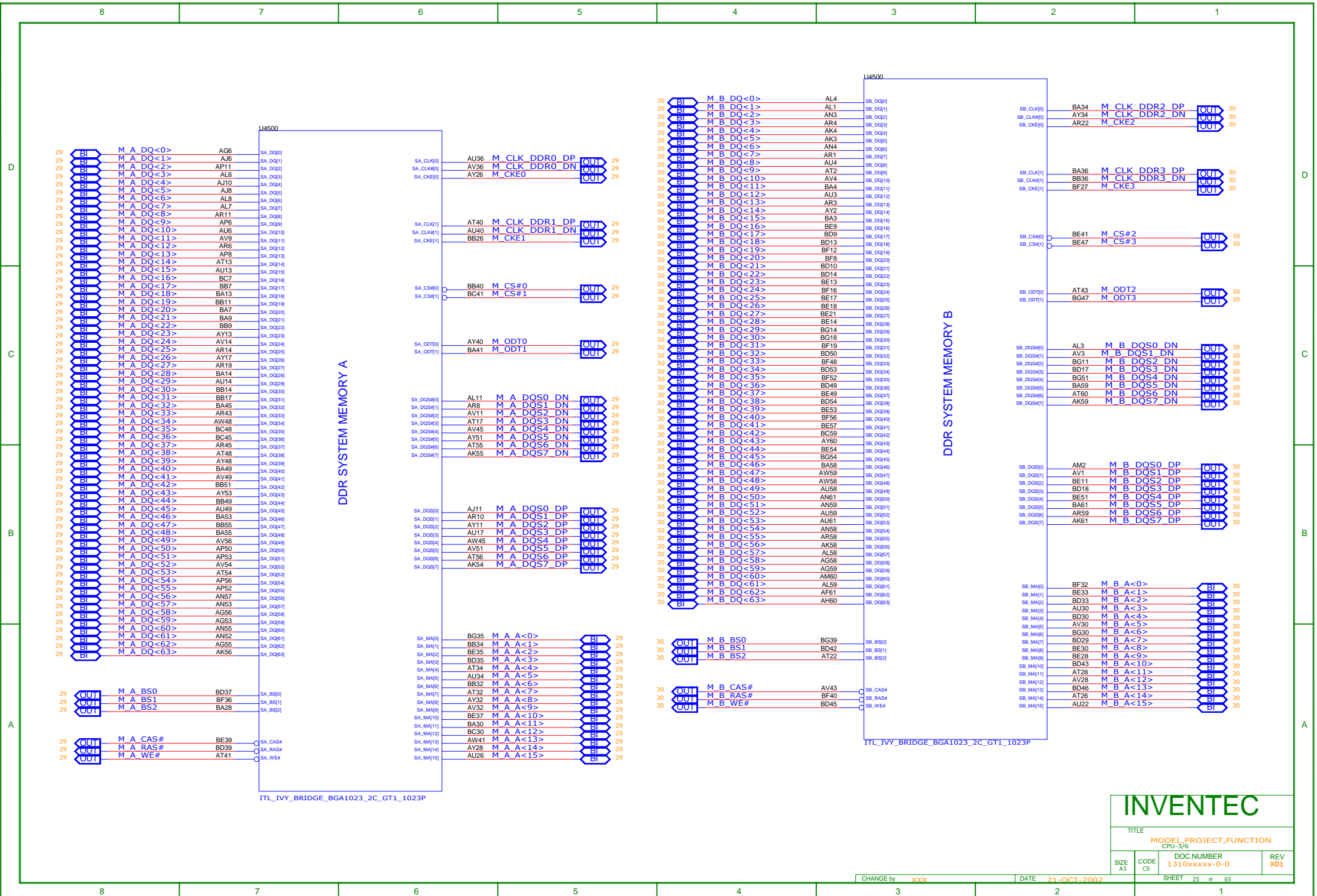
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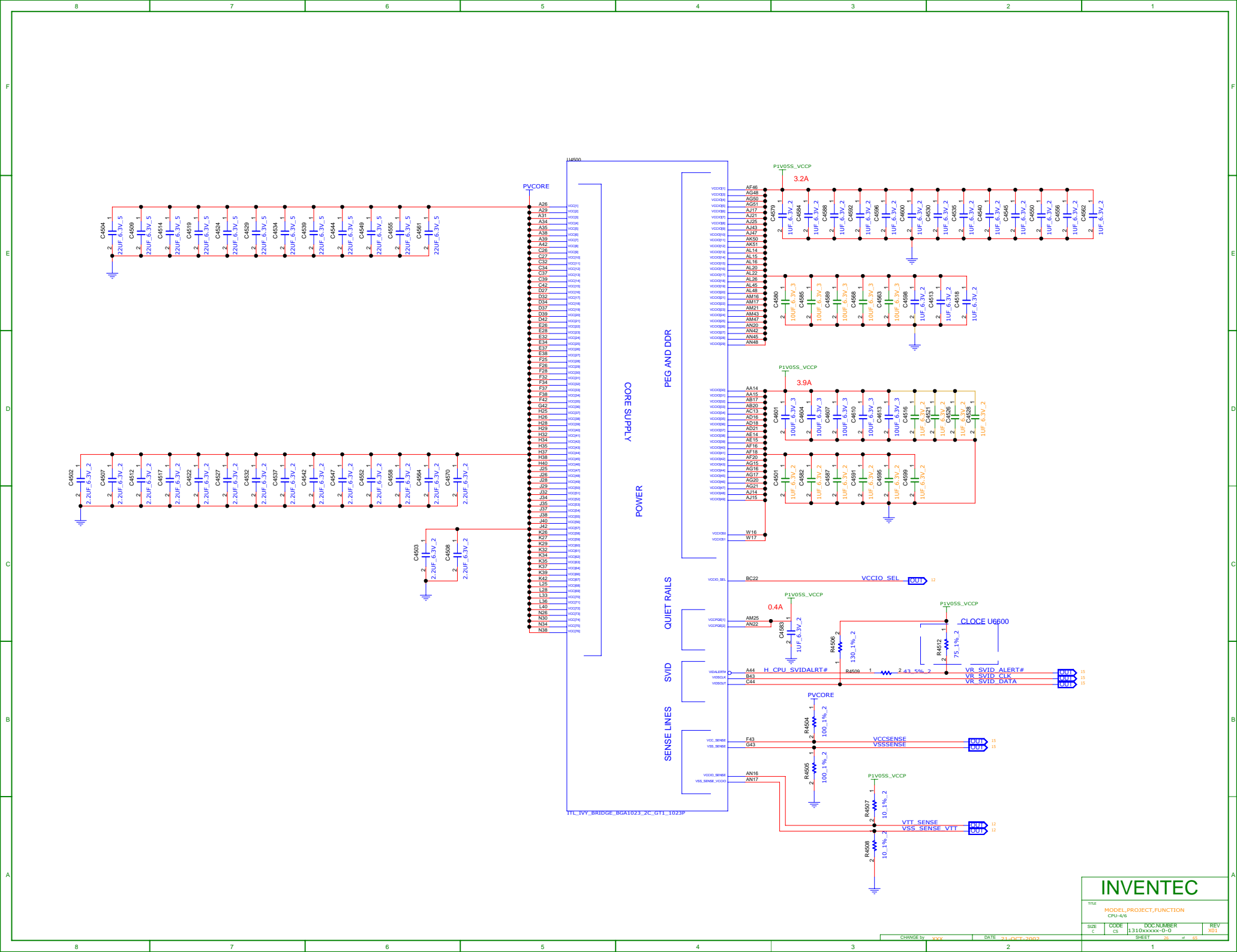
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MODEL PROJECT, FUNCTION
XDP_CONN

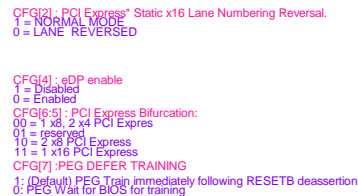
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A3 CS 1310xxxxx-0-0 X01

CHANGE by XXX DATE 21-OCT-2002

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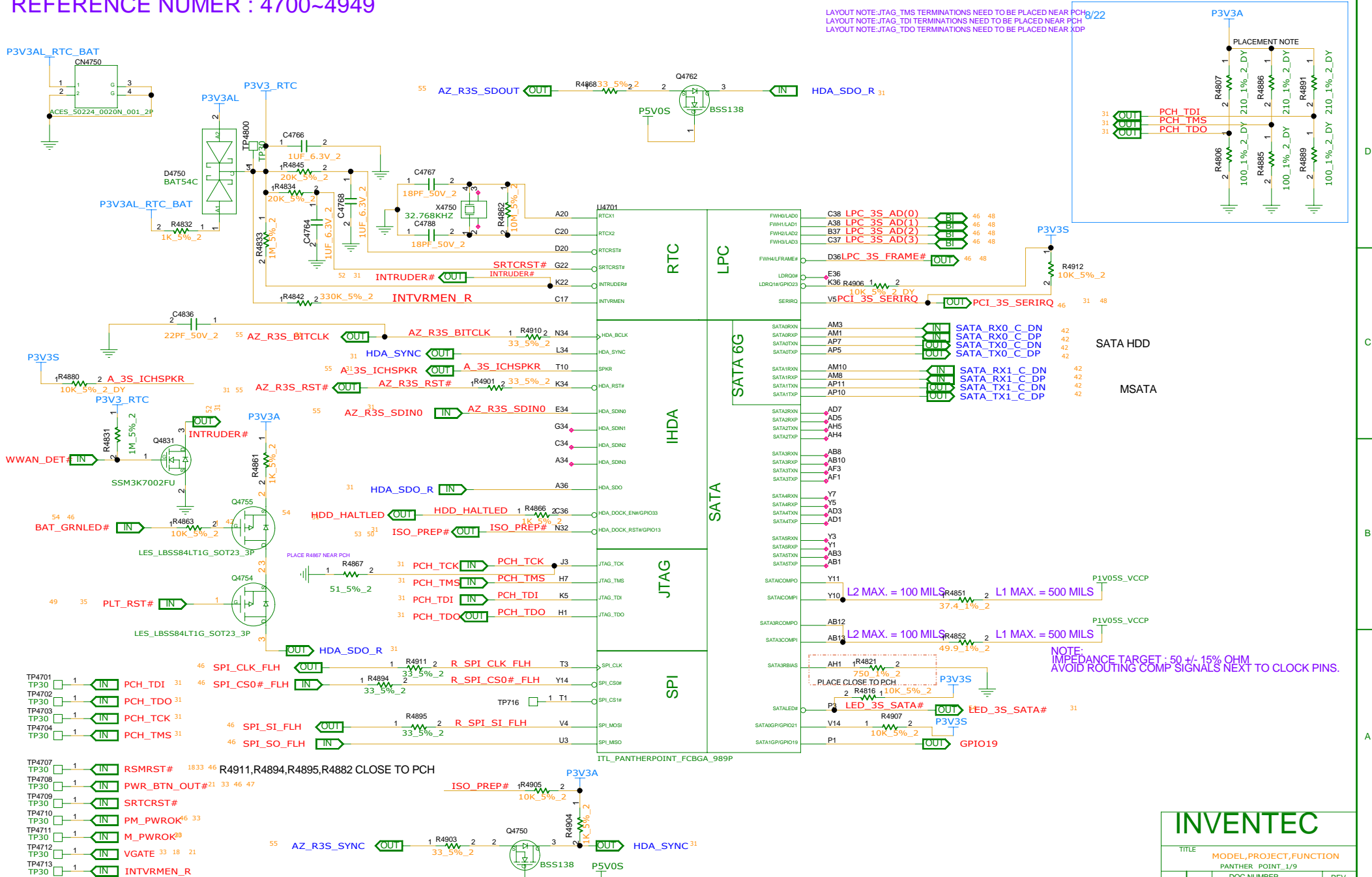








REFERENCE NUMBER : 4700~4949



INVENTEC			
TITLE MODEL,PROJECT,FUNCTION PANTHER POINT_1/9			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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GPIO34	0
GPIO18	1



TITLE _____

PANTHER POINT_2/9	
DOC NUMBER	DE

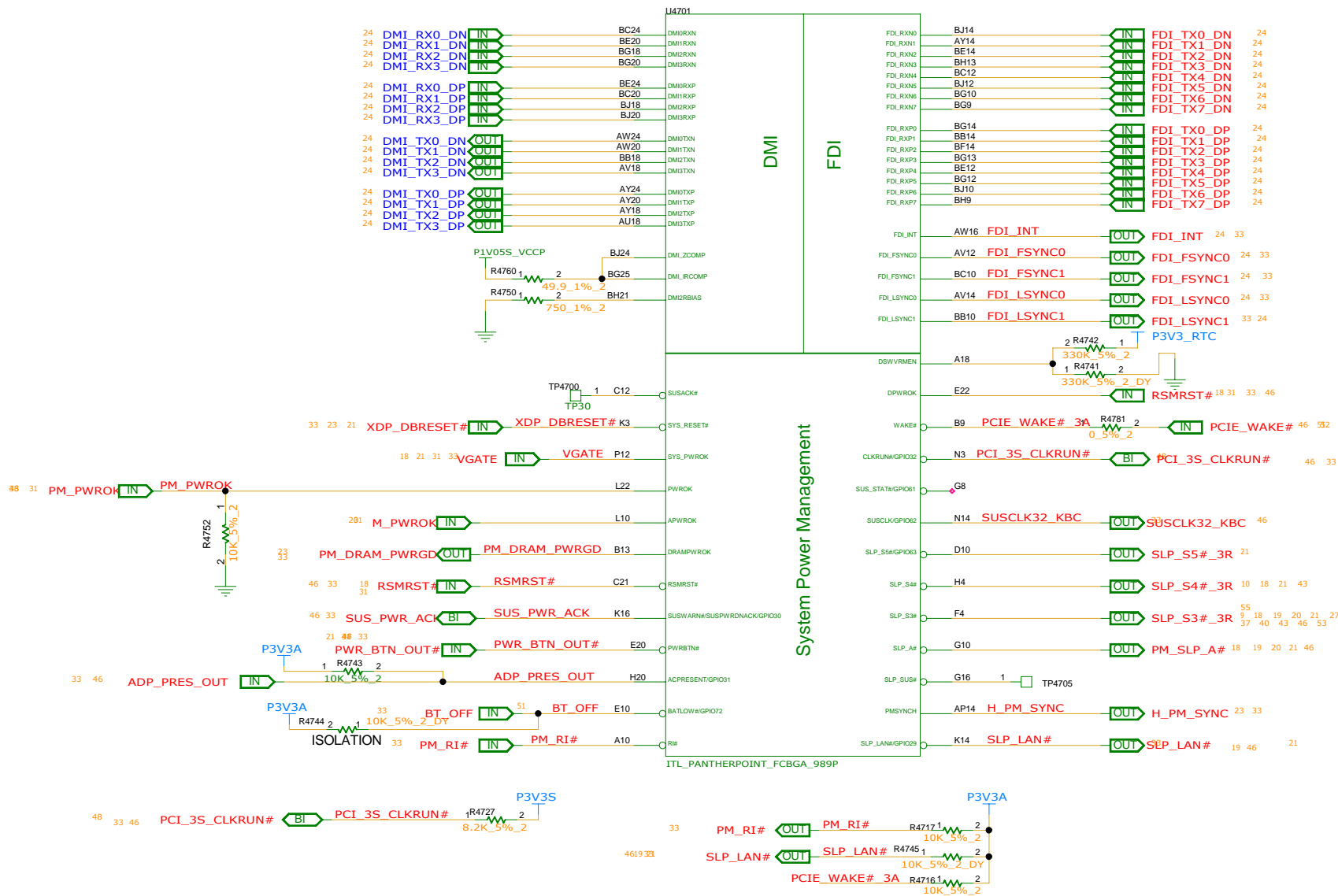
SIZE A3	CODE CS	1310xxxxx-0-0	X0
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REFERENCE NUMBER : 4700~4949

NOTE:

- 1.SLP_SUS AND SUSACK# ARE NC IF DSW IS NOT SUPPORTED
- 2.DPWROK SHOULD CONNECT TO RSMRST# IF DSW NOT SUPPORTED
- 3.PCH_DPWROK PULL UP TO P3V3S ENABLES DSW WUPPORT. NO INSTALL R4752 TO DISABLE DSW



INVENTEC

TITLE
MODEL PROJECT FUNCTION
PANTHER POINT 3/9

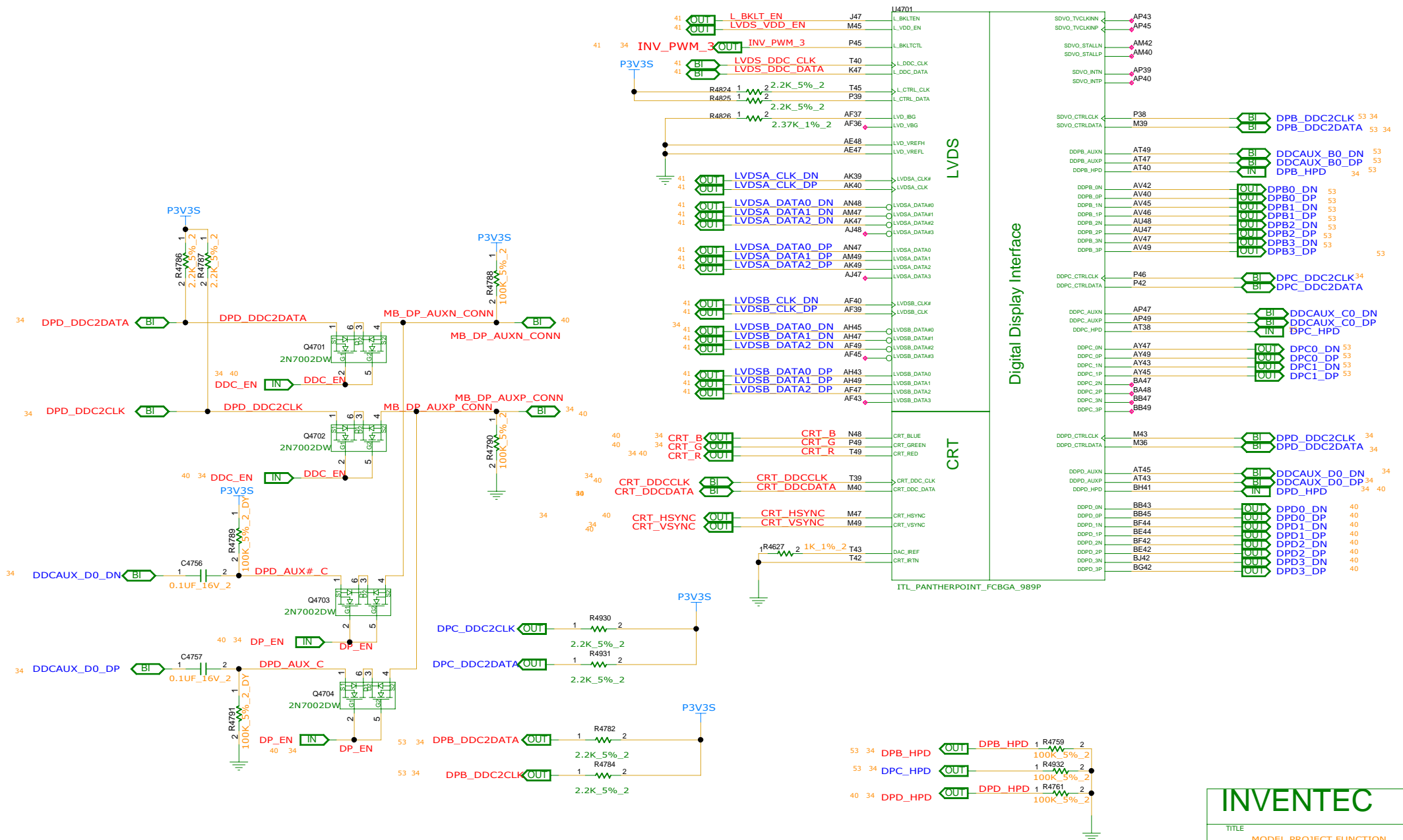
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1310xxxxx-0-0

REV
X01

CHANGE by XXX DATE 21-OCT-2002

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REFERENCE NUMBER : 4700~4949



INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION PANTHER POINT_4/9			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
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REFERENCE NUMER : 4700~4949

D

D

C

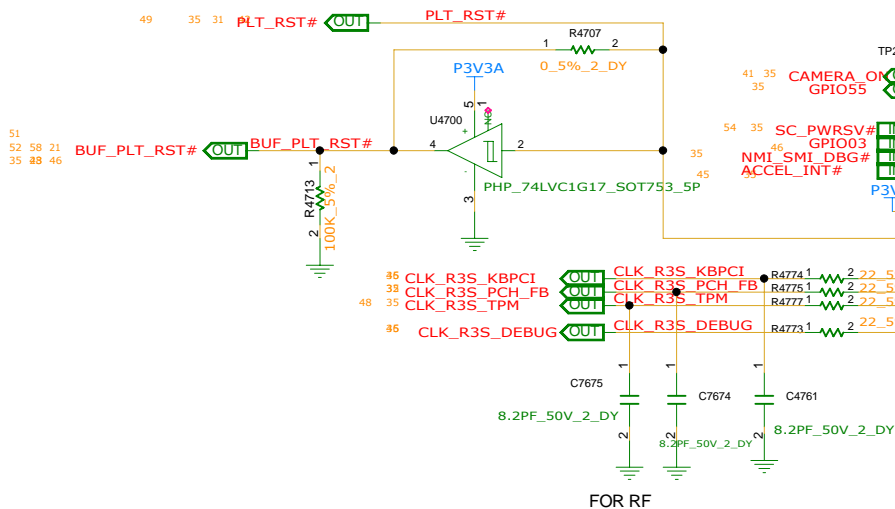
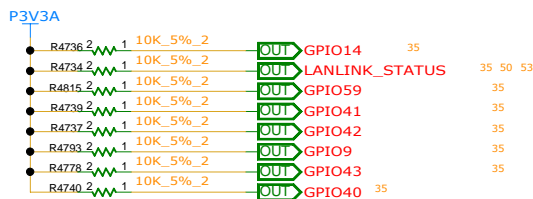
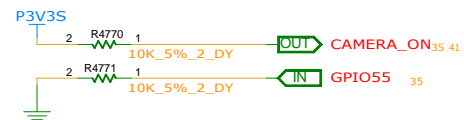
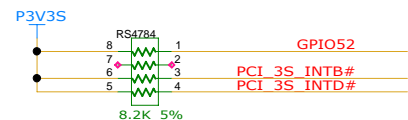
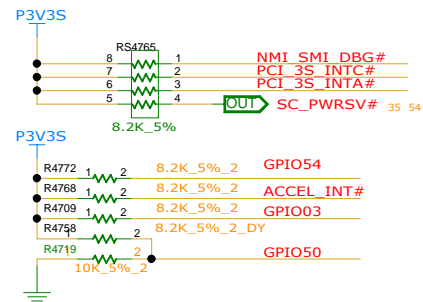
C

B

B

A

A

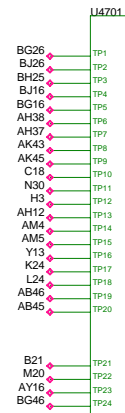
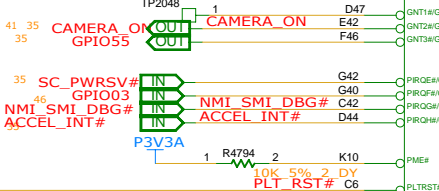
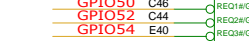
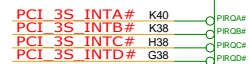
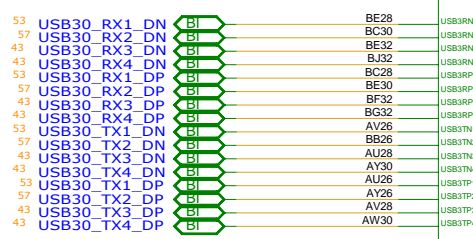


PORT1:DOCKING

PORT2:LEFT USB2.0(CHARGE PORT)+USB3.0

PORT3:RIGHT1 USB2.0+USB3.0

PORT4:RIGHT2 USB2.0+USB3.0



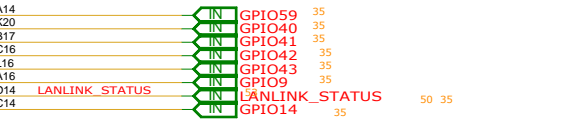
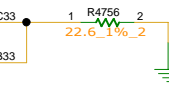
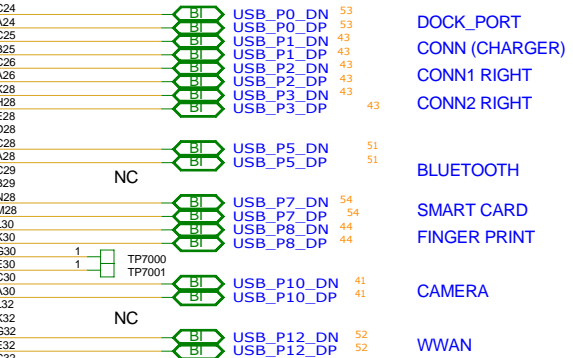
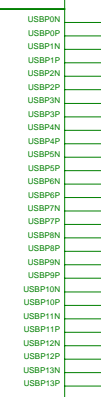
RSVD

NVRAM

PCI

USB

ITL_PANTHERPOINT_FCBGA_989P



INVENTEC

TITLE

MODEL PROJECT FUNCTION

PANTHER POINT_5/6

DOC NUMBER

1310xxxx-0-0

REV

X01

SIZE

A3

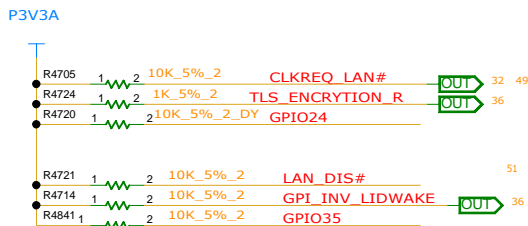
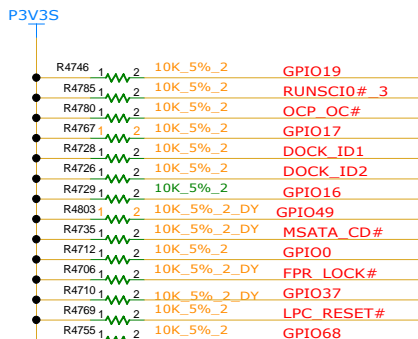
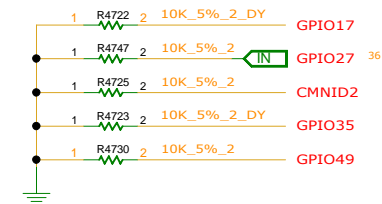
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CS

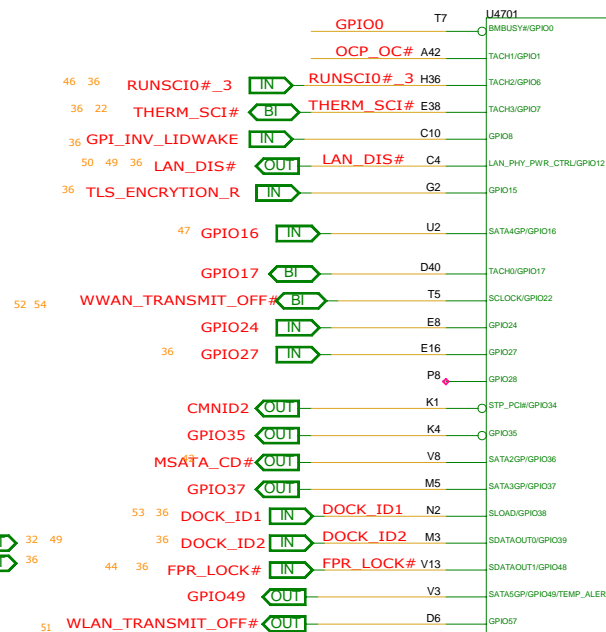
SHEET

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REFERENCE NUMER : 4700~4949



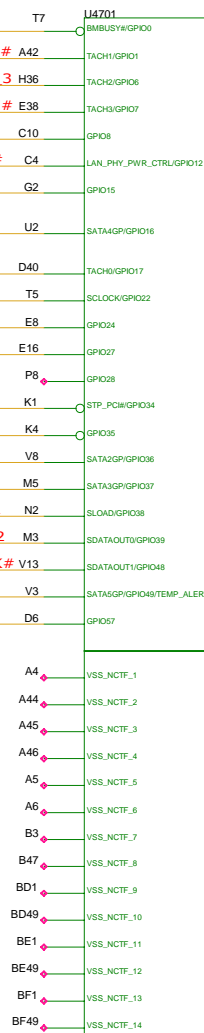
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R4767	R4841	R4803	R4758	H
R4722	R4723	R4730	R4719	L
0	1	0	0	SI 1
0	1	0	1	SI 1B
0	1	1	0	SI 2
1	0	0	0	PV 1
1	1	0	0	MV



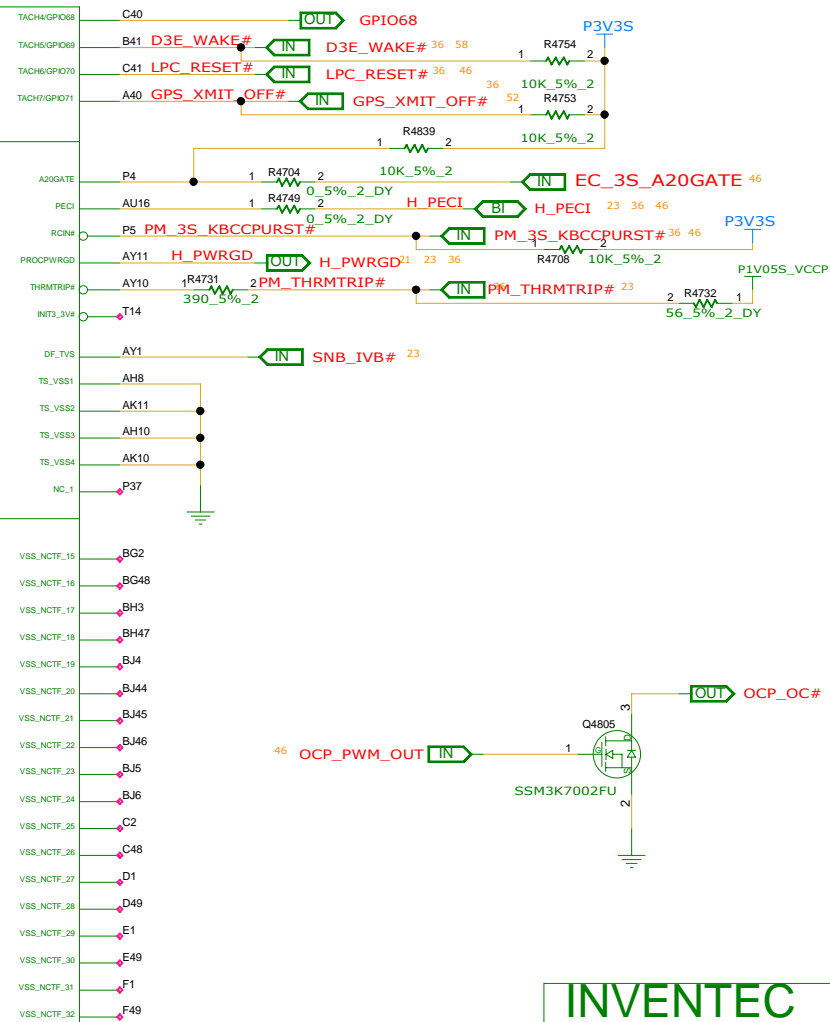
GPIO

CPU/MISC

NCTF



ITL_PANTHERPOINT_FCBGA_989P



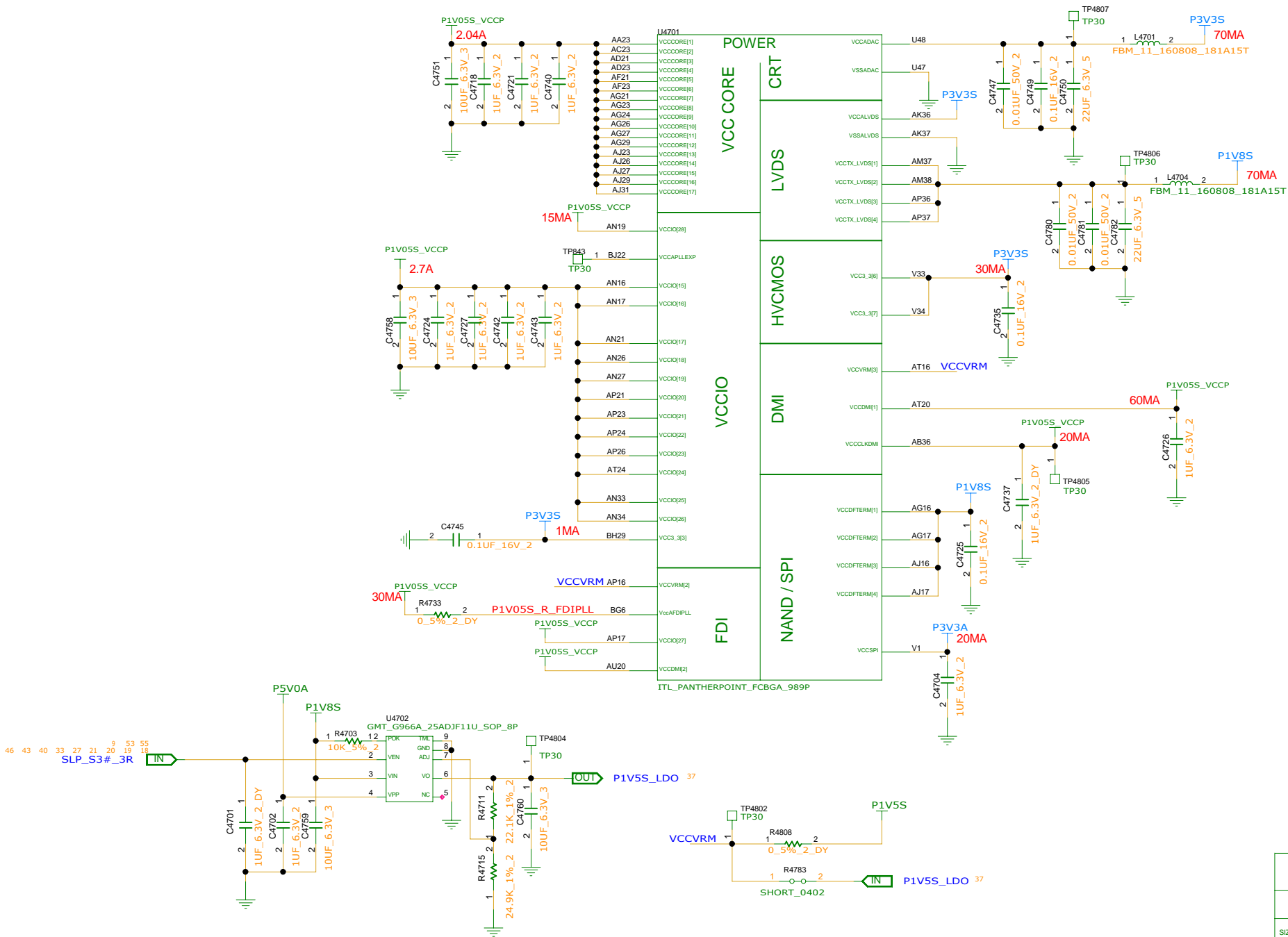
INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
PANTHER POINT_6/9			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	X01

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INVENTEC

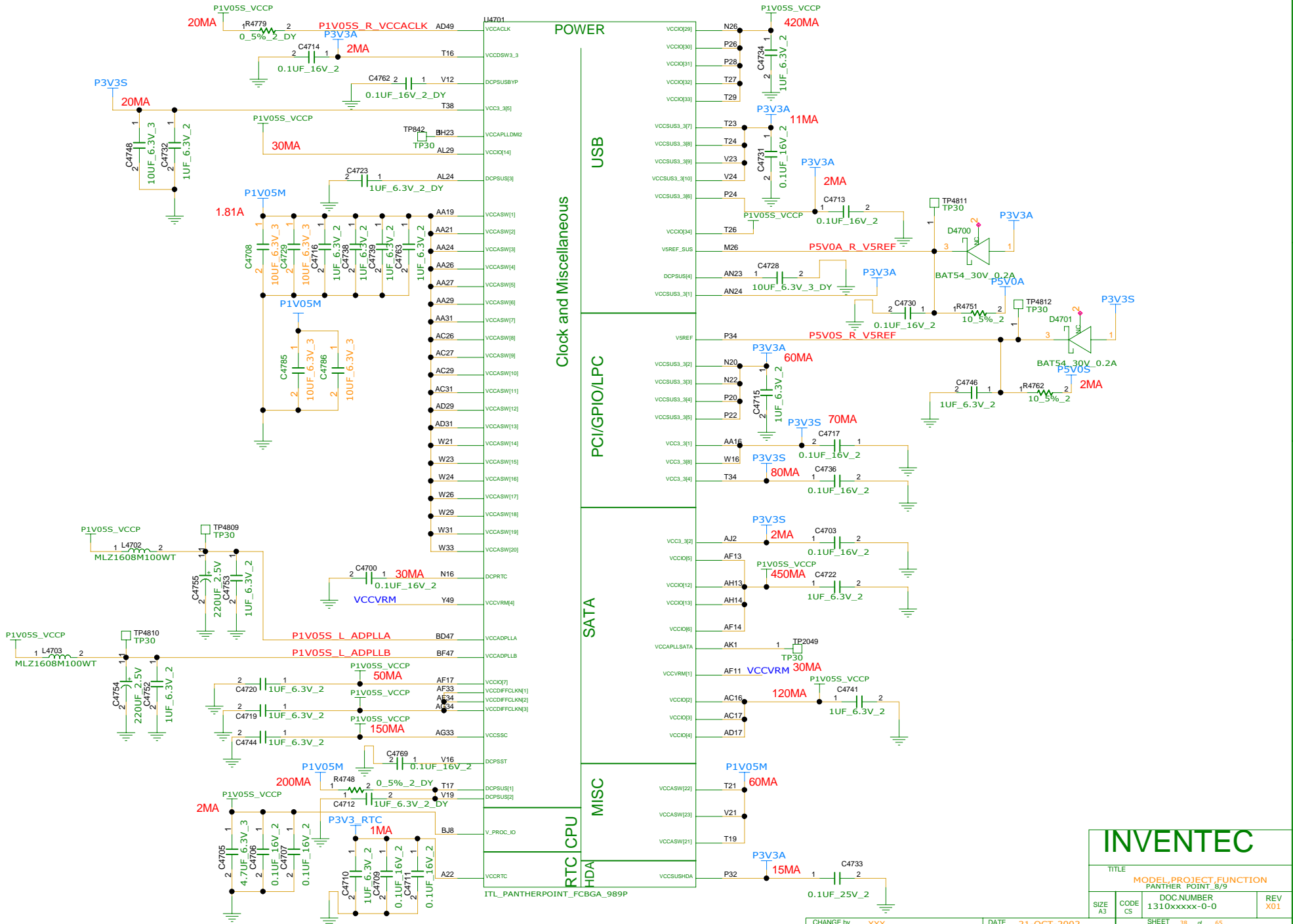
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	PANTHER POINT 7/9

SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	R X
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CHANGE by	XXX	DATE	21-OCT-2002
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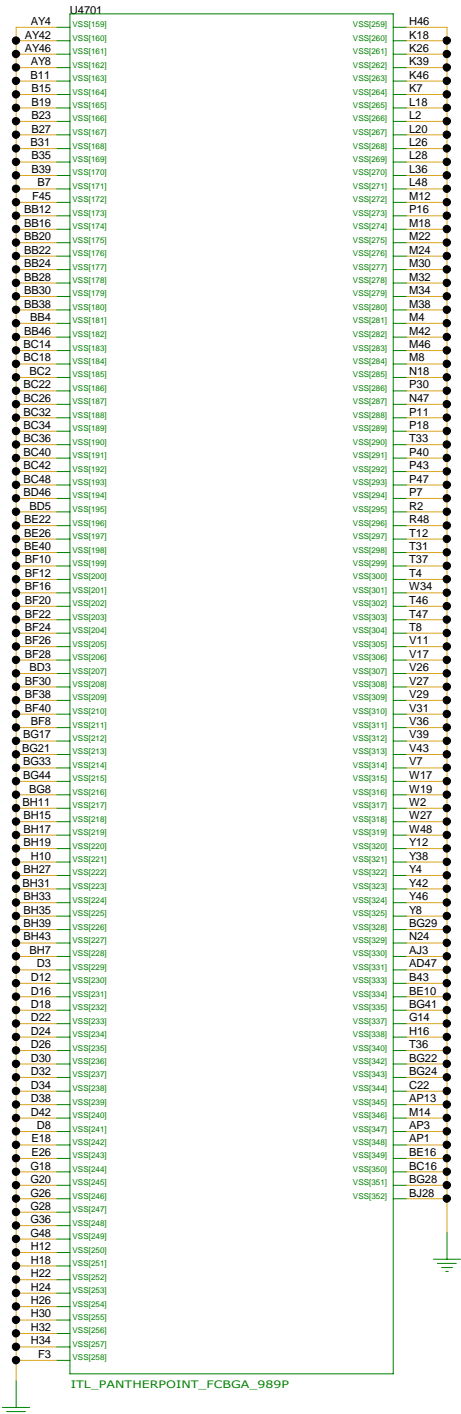
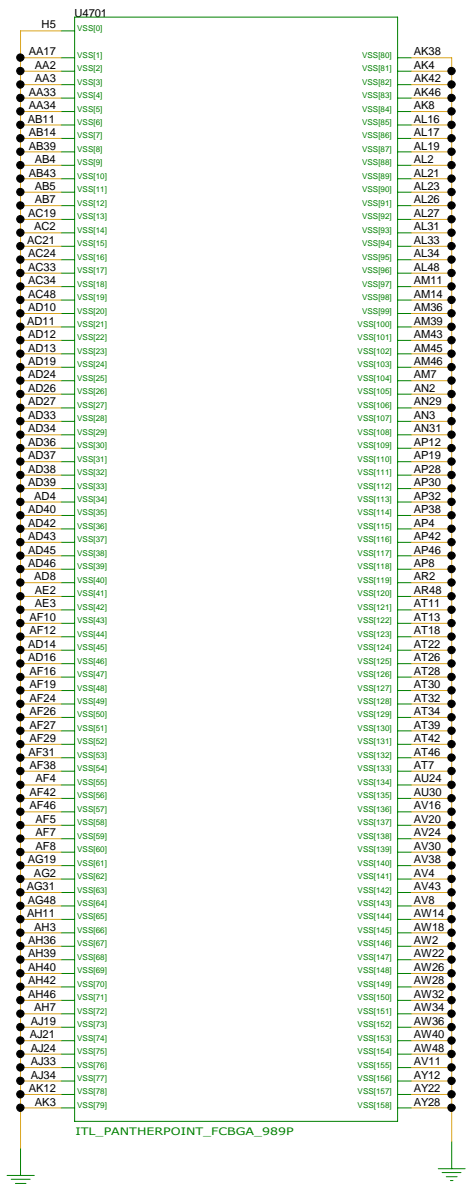
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INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
PANTHER POINT 8/9			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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REFERENCE NUMBER : 4700~4949



INVENTEC

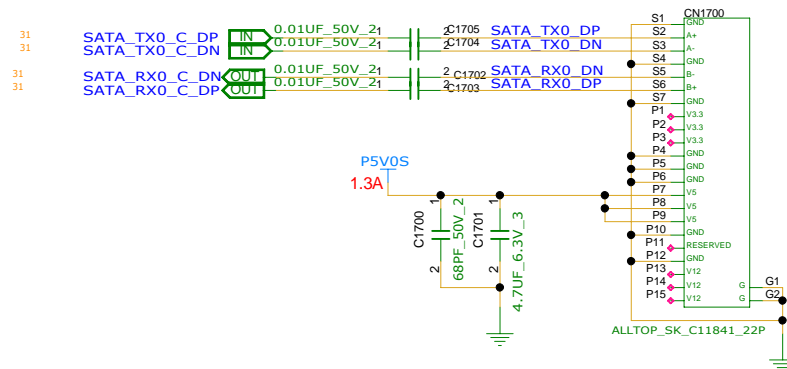
TITLE

MODEL PROJECT FUNCTION
PANTHER POINT 3/9

SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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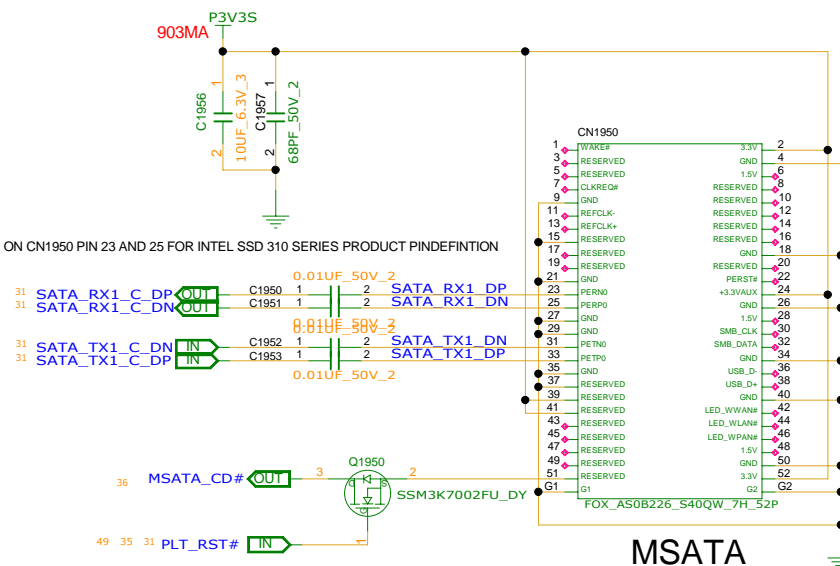
CHANGE by XXX DATE 21-OCT-2002



HDD (CN1700) : P/N 6012B0449501
HDD TRANSFOR CNTR (CN1701) : P/N 6012B0451301

SATA HDD

REFERENCE NUMBER:1700~1749



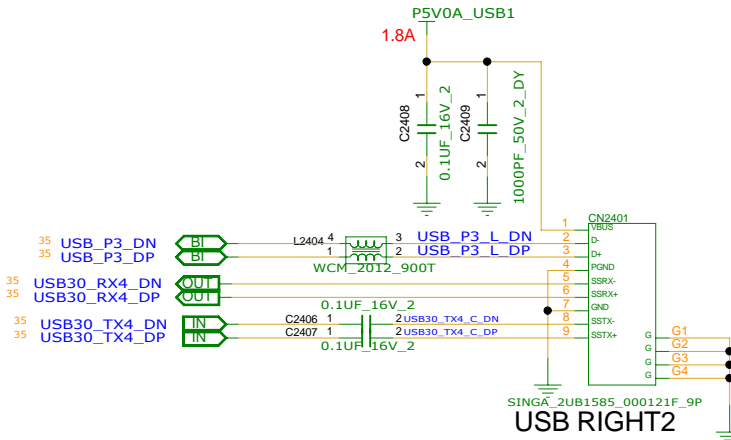
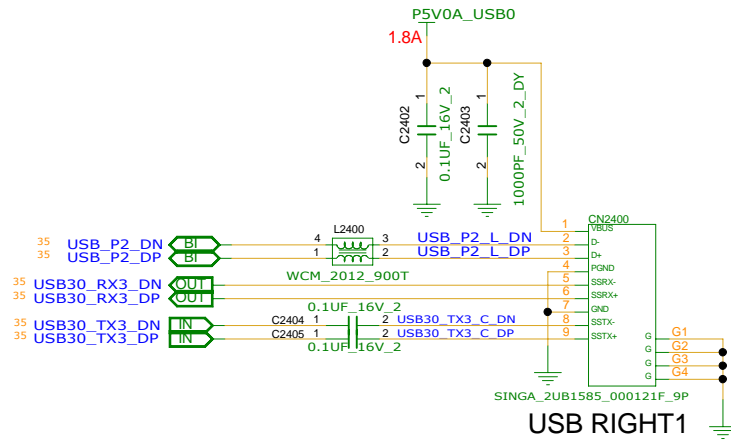
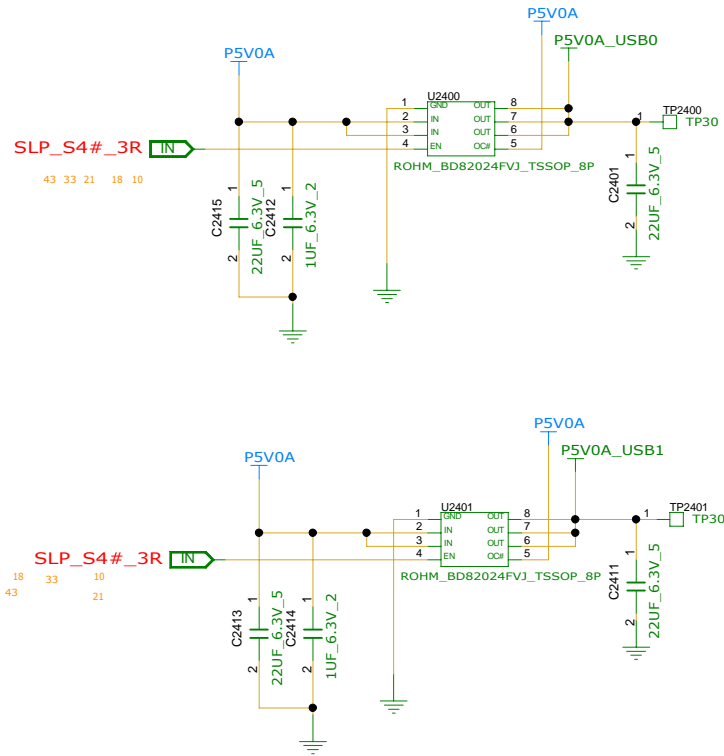
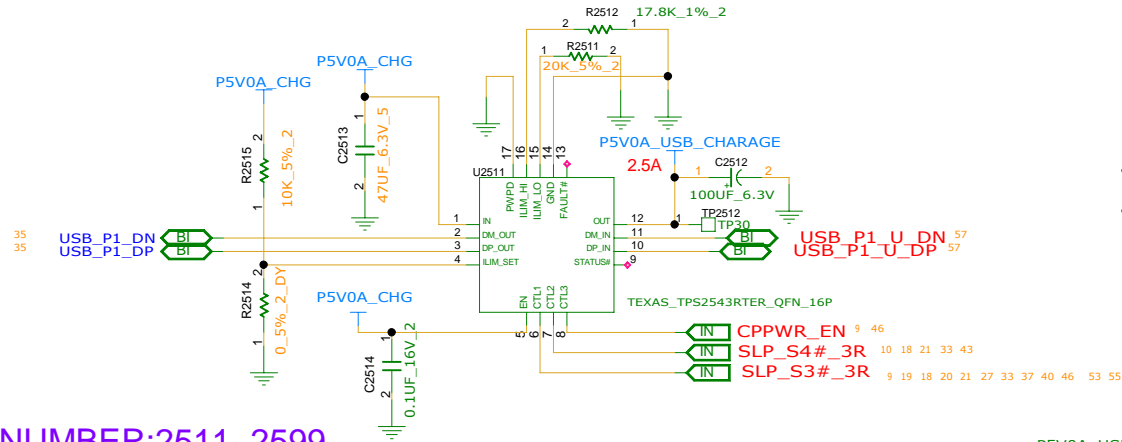
NOTE : SWAP SATA_RXP2 AND SATA_RXN2 ON CN1950 PIN 23 AND 25 FOR INTEL SSD 310 SERIES PRODUCT PINDEFINTION

MSATA

REFERENCE NUMBER:1950~1999

INVENTEC				
TITLE				
MODEL PROJECT FUNCTION SATA HDD & M-SATA CNTR				
SIZE A3	CODE CS	DOC NUMBER 1310xxxxxx-0-0		REV X01
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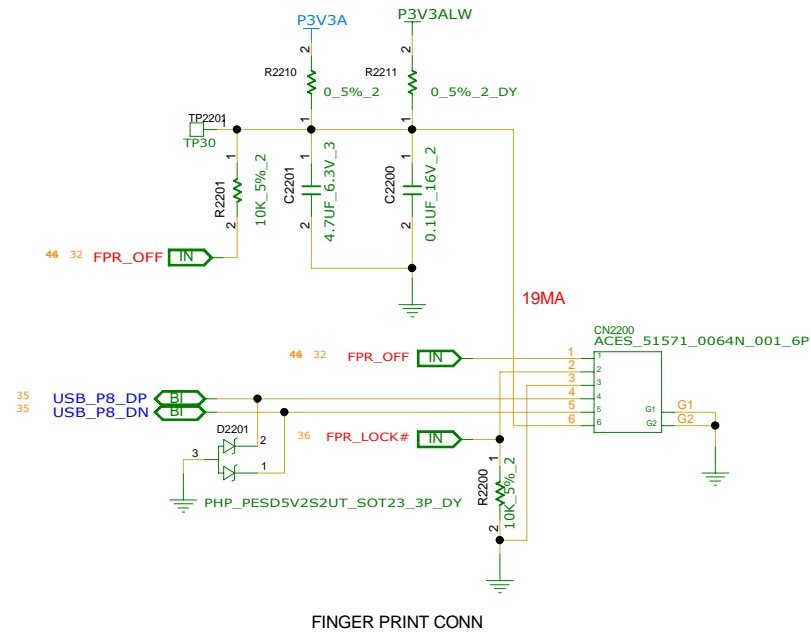
REFERENCE NUMBER:2511~2599



REFERENCE NUMBER:2400~2499

INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
USB & USB CHARGER			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	X01
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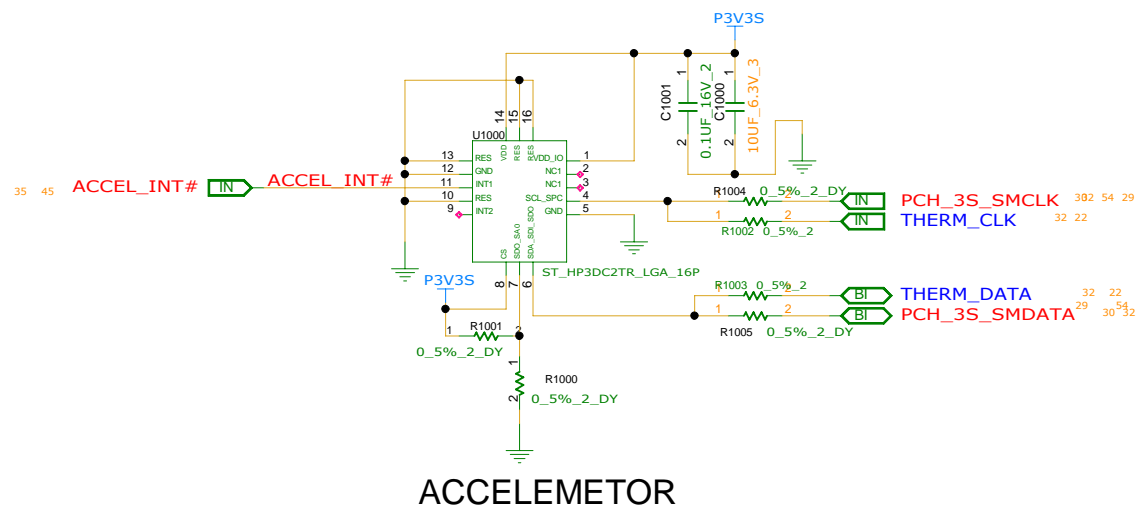
CHANGE by XXX DATE 21-OCT-2002



FINGER PRINT CONN

REFERENCE:2200~2249

INVENTEC				
TITLE				
MODEL PROJECT FUNCTION FINGER PRINTER CNTR				
SIZE	CODE	DOC NUMBER	REV	
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XXX		21-OCT-2002	44 of 65	



REFERENCE NUMER : 1000~1099

INVENTEC

TITLE
MODEL,PROJECT,FUNCTION
ACCELEMATOR

SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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CHANGE by XXX DATE 21-OCT-2002

SHEET 45 of 65

8	7	6	5	4	3	2	1
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8	7	6	5	4	3	2	1
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SPI BIOS

INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION KBC & SPI			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
SHEET 13 OF 13			

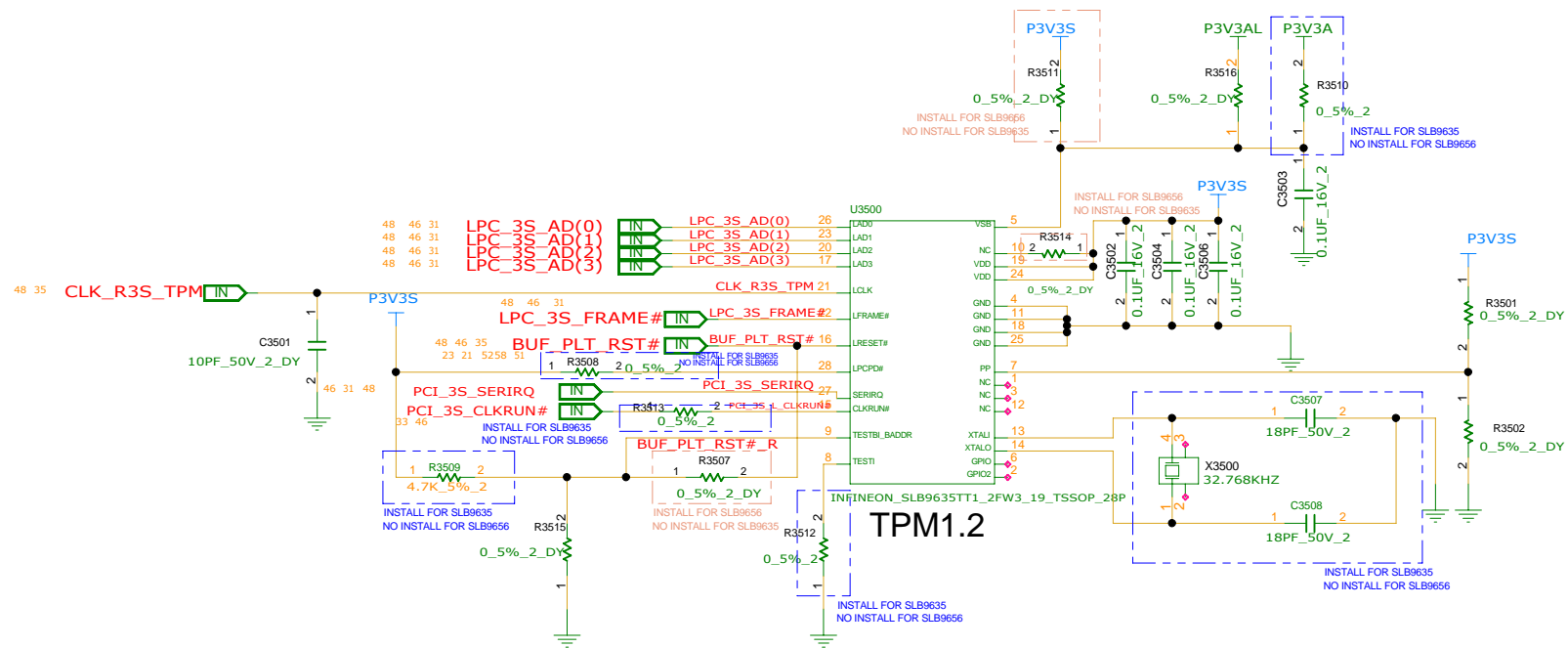
CHANGE by	XXX	DATE	21-OCT-2002	SHEET	46	of	65
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A



CHANGE by	XXX	DATE	21-OCT-2002	SHEET	47	of	65
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INVENTEC			
TITLE MODEL,PROJECT,FUNCTION KEYBOARD			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
SHEET 47 of 65			



SLB9656TT1.2 SLB9635TT1.2

R3507	INSTALL	OPEN
R3508	OPEN	INSTALL
R3509	OPEN	INSTALL
R3510	OPEN	INSTALL
R3511	INSTALL	OPEN
R3512	OPEN	INSTALL
R3513	OPEN	INSTALL
R3514	INSTALL	OPEN
X3500	OPEN	INSTALL
C3507	OPEN	INSTALL
C3508	OPEN	INSTALL

REFERENCE NUMER : 3500~3549

INVENTEC

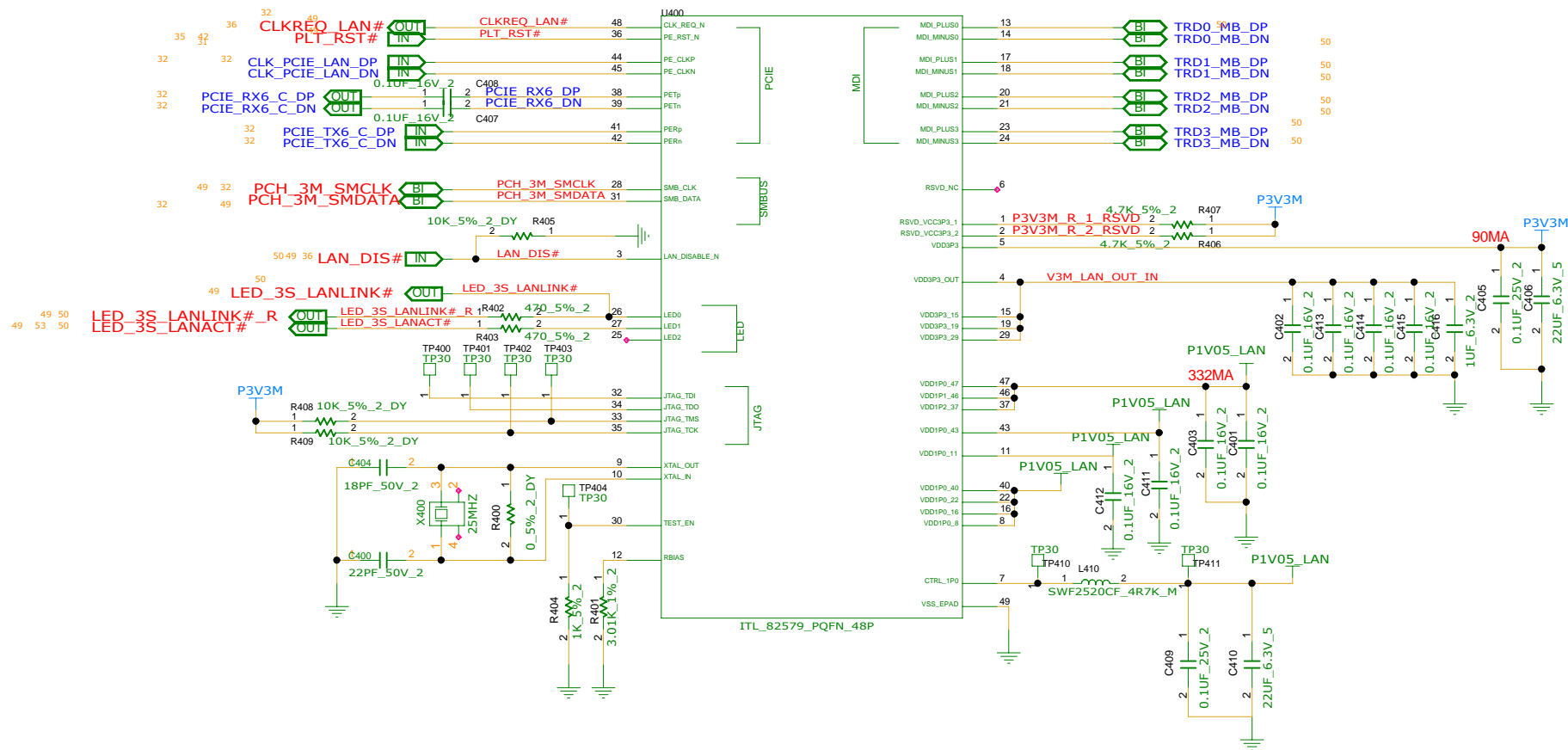
TITLE
MODEL,PROJECT,FUNCTION

SIZE CODE DOC NUMBER REV
A3 CS 1310xxxx-0-0 X01

CHANGE by XXX DATE 21-OCT-2002

SHEET 48 of 65

REFERENCE NUMER : 400~469



INVENTEC

TITLE
MODEL,PROJECT,FUNCTION
LAN

DOC NUMBER
1310xxxxx-0-0

REV
X01

CHANGE by XXX DATE 21-OCT-2002

SHEET 49 of 65

D



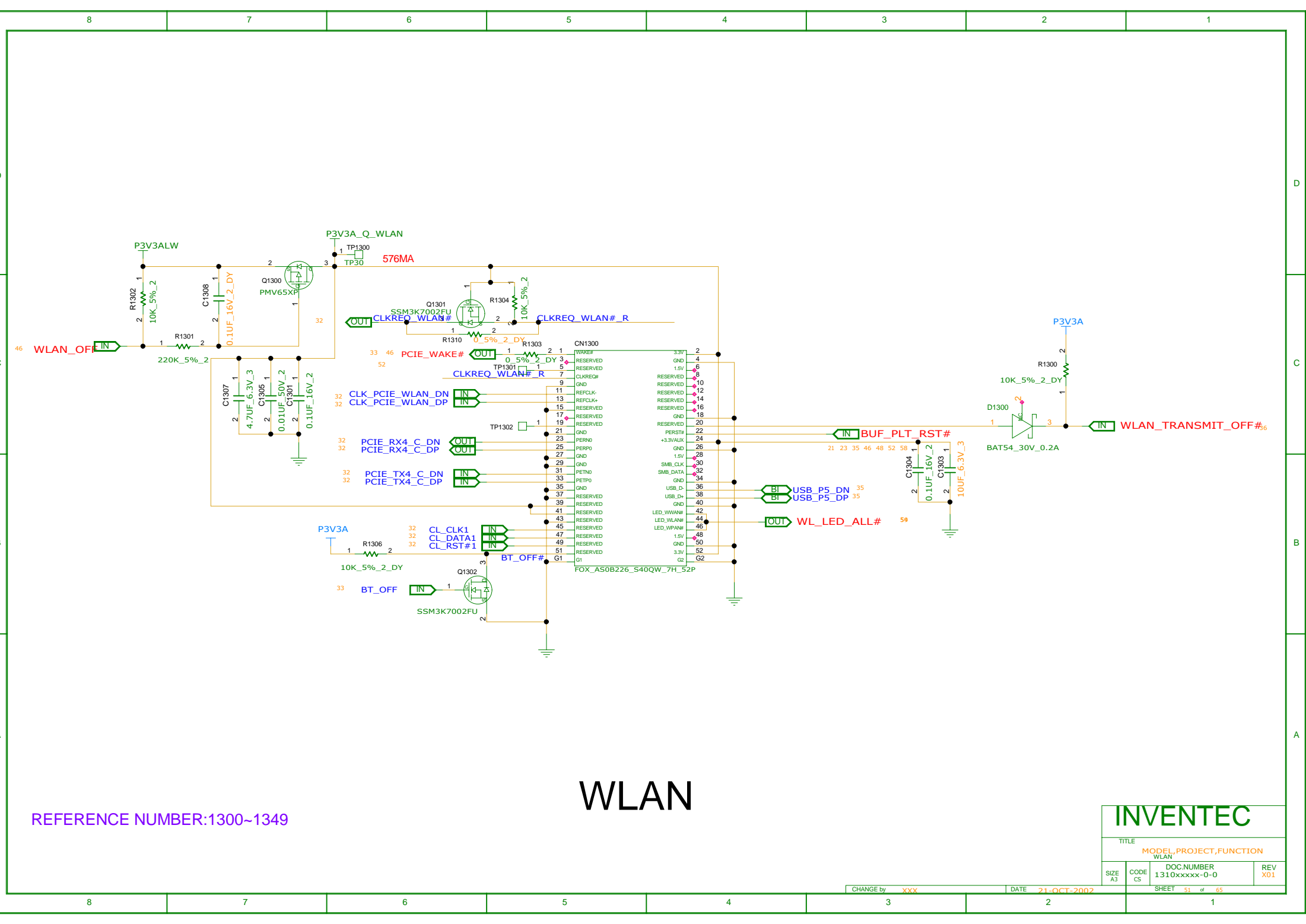
C



B

A

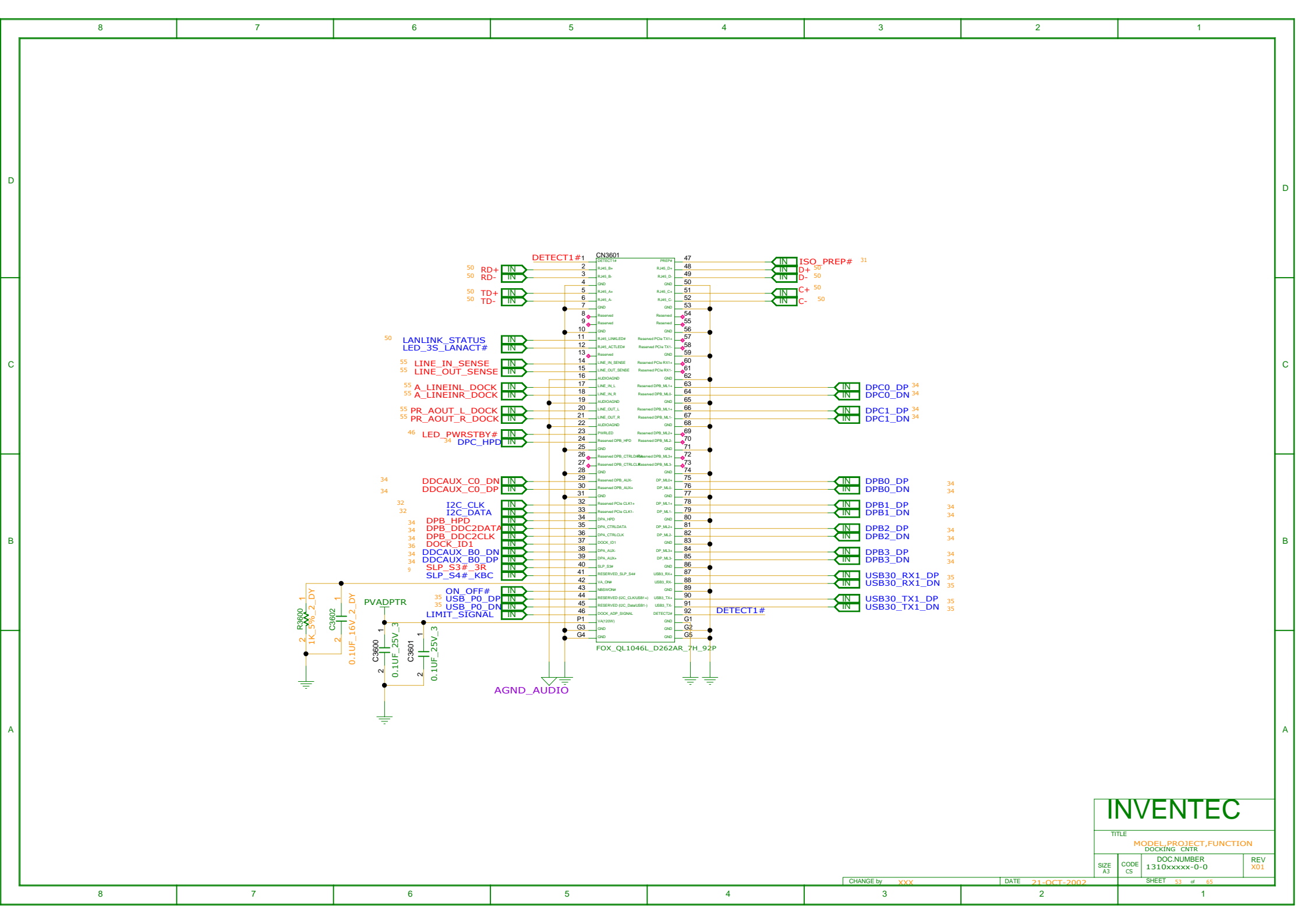
CHANGE by	XXX	DATE	21-OCT-2002
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WLAN

REFERENCE NUMBER:1300~1349

INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
WLAN			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	X01
SHEET 51 of 65			

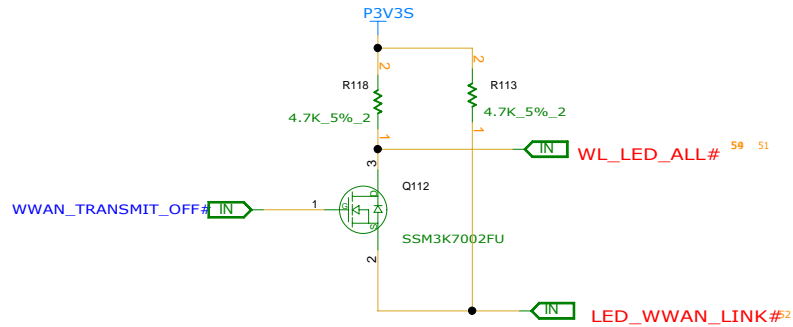


INVENTEC

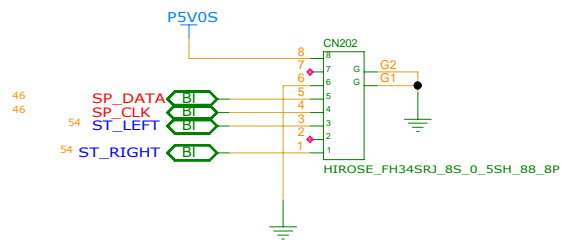
TITLE
MODEL PROJECT,FUNCTION
DOCKING CNTR

SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
SHEET 53 of 65			

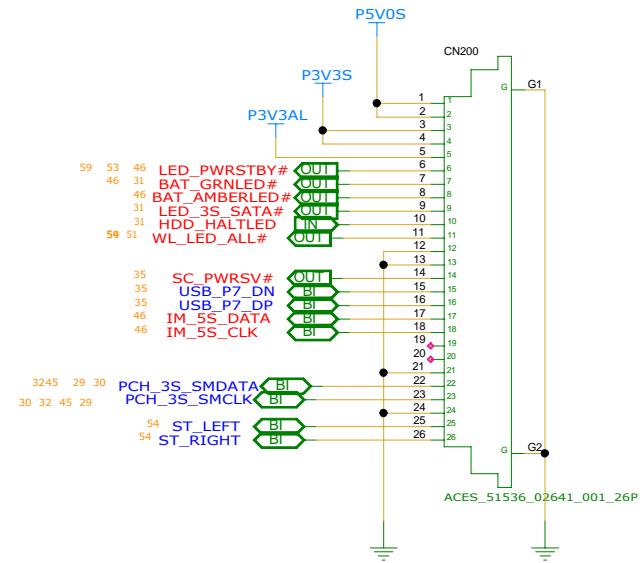
CHANGE by XXX DATE 21-OCT-2002



WLAN_WWAN_BLUETOOTH_LED



POINT STICK



SMART CARD

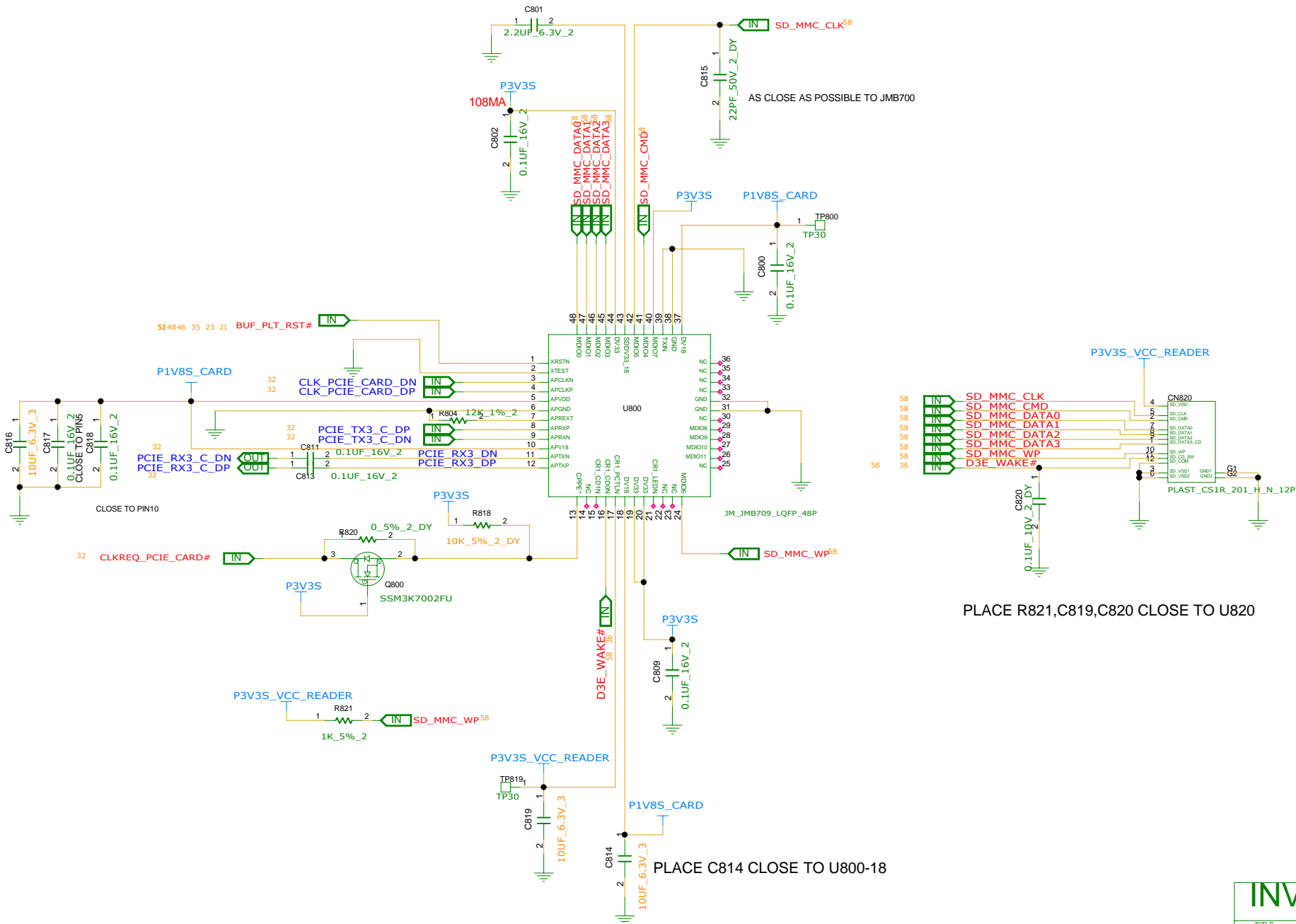
INVENTEC

REFERENCE NUMBER:100~199

TITLE			
MODEL PROJECT FUNCTION STICK POINT & B2B CNTR			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
SHEET 54 of 65			

CHANGE by XXX DATE 21-OCT-2002

REFERENCE NUMBER:800~899



PLACE R821,C819,C820 CLOSE TO U820

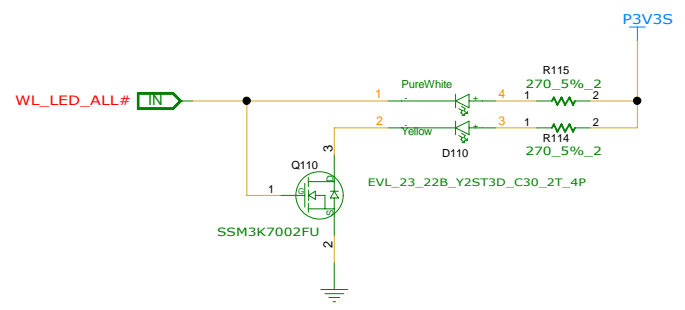
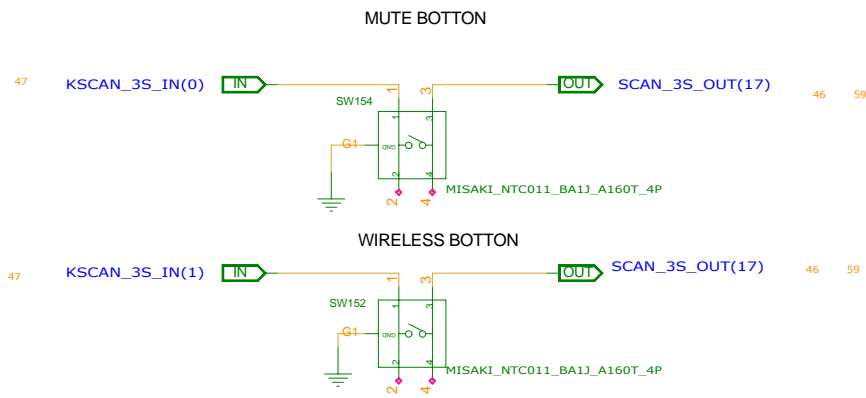
PLACE C814 CLOSE TO U800-18

INVENTEC

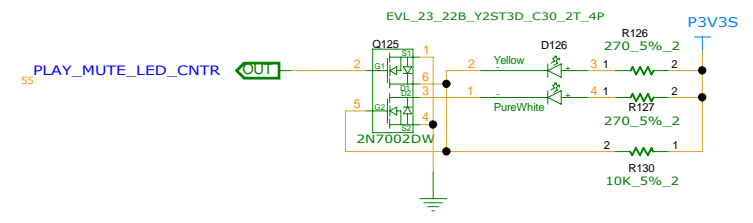
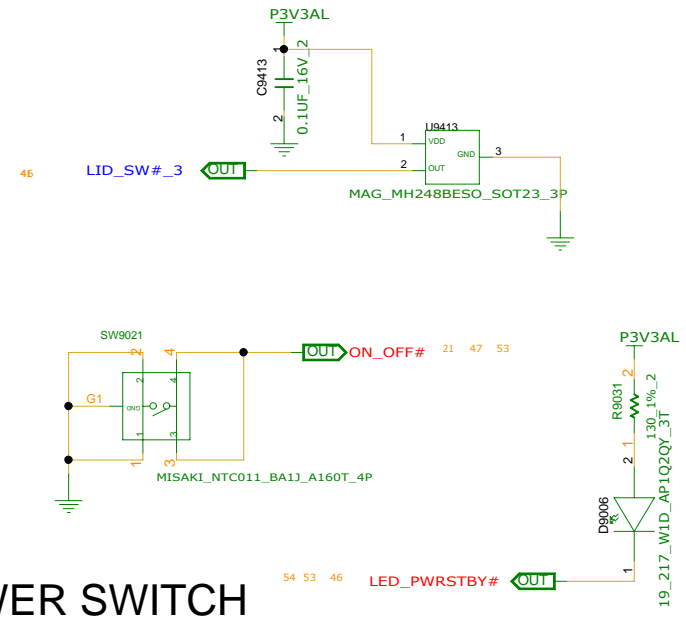
TITLE
MODEL PROJECT,FUNCTION
CARD READER

SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
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CHANGE by XXX DATE 21-OCT-2002 SHEET 58 of 65



WIRELESS/BLUETOOTH LED



MUTE LED

INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
SIZE A3	CODE CS	DOC NUMBER 1310xxxx-0-0	REV X01
SHEET 59 of 65			

SMART CARD DOUGHTER BOARD

REFERENCE NUMBER:9400~9499

TOUCHPAD

SATA LED & HDD-HALTED LED

WIRELESS LED

BATTERY LED

POWER LED

INVENTEC

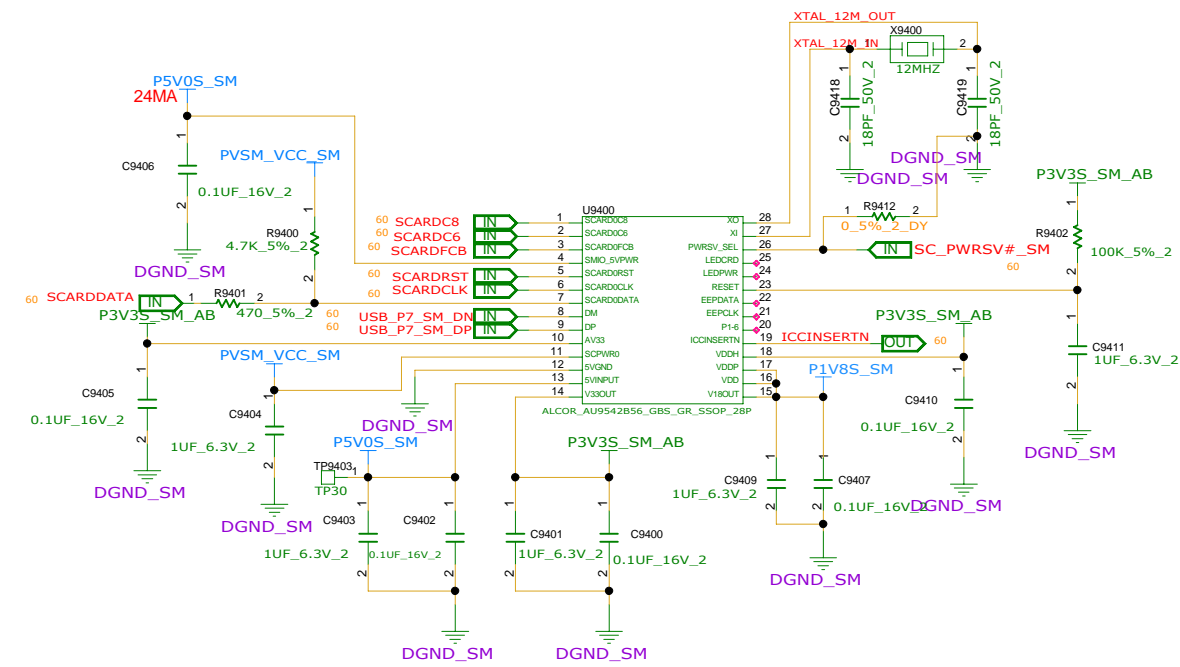
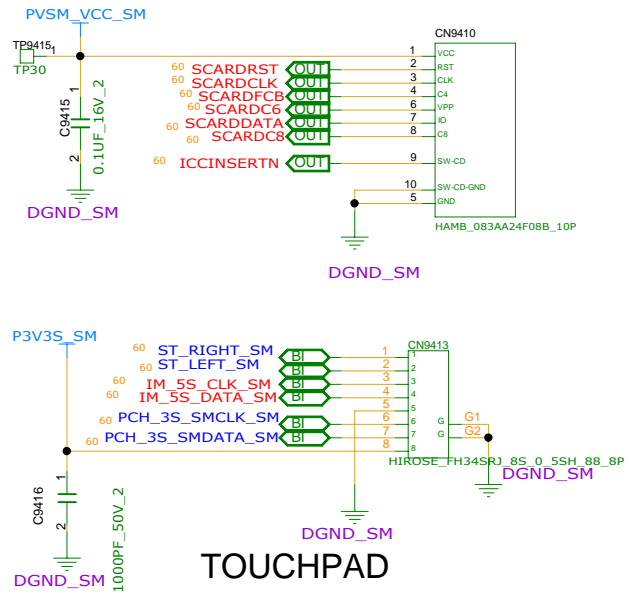
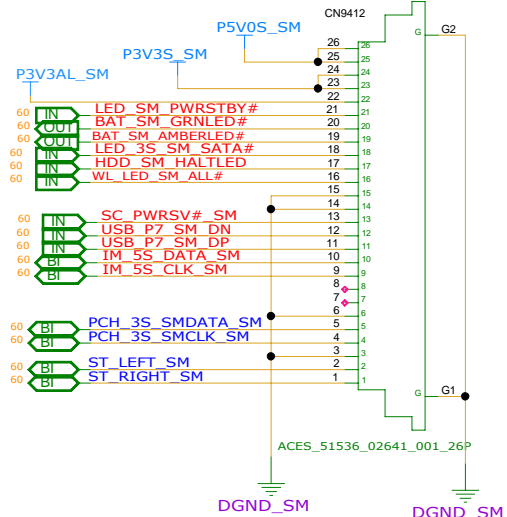
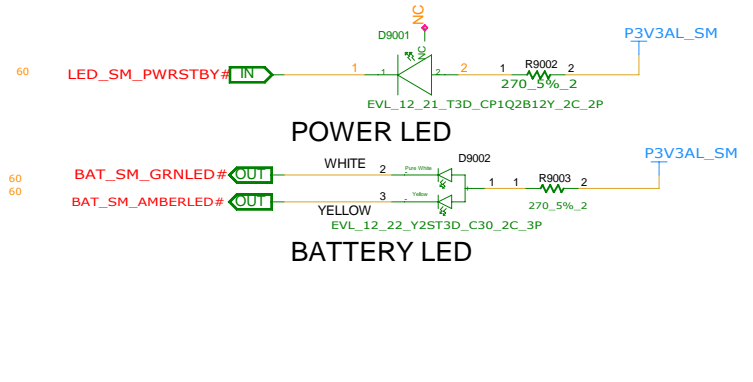
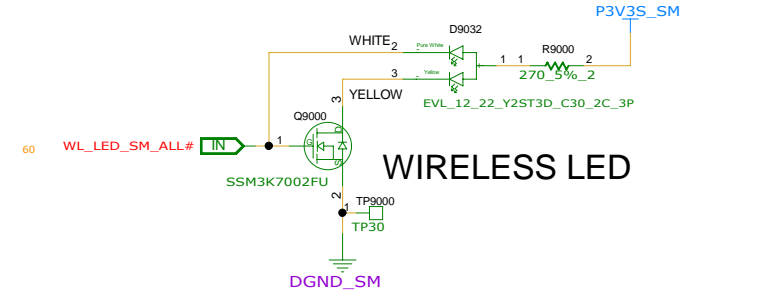
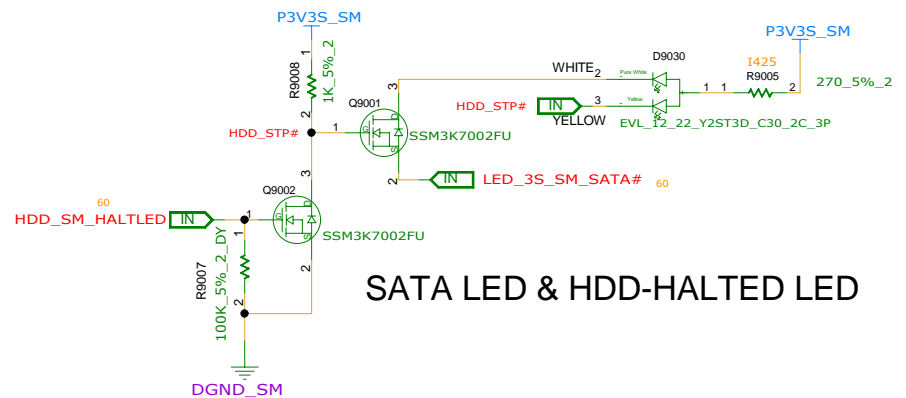
TITLE MODEL PROJECT FUNCTION
SMART CARD DB

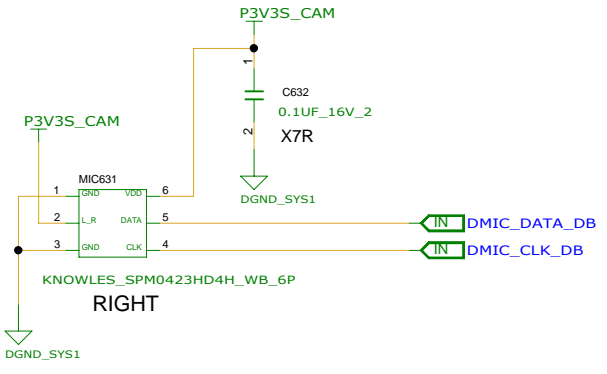
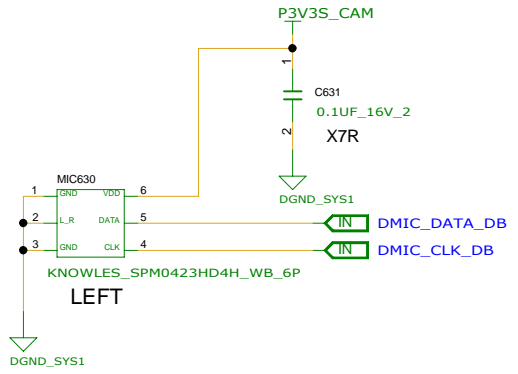
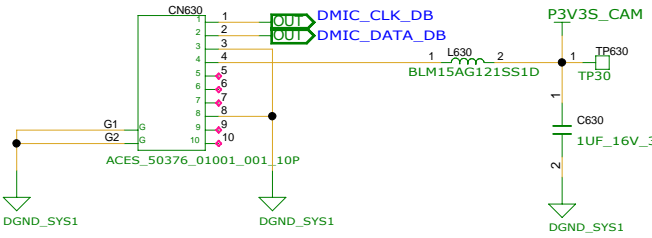
SIZE CODE DOC NUMBER
A3 CS 1310xxxxx-0-0

SHEET 60 of 65 REV X01

DATE 21-OCT-2002

CHANGE by XXX





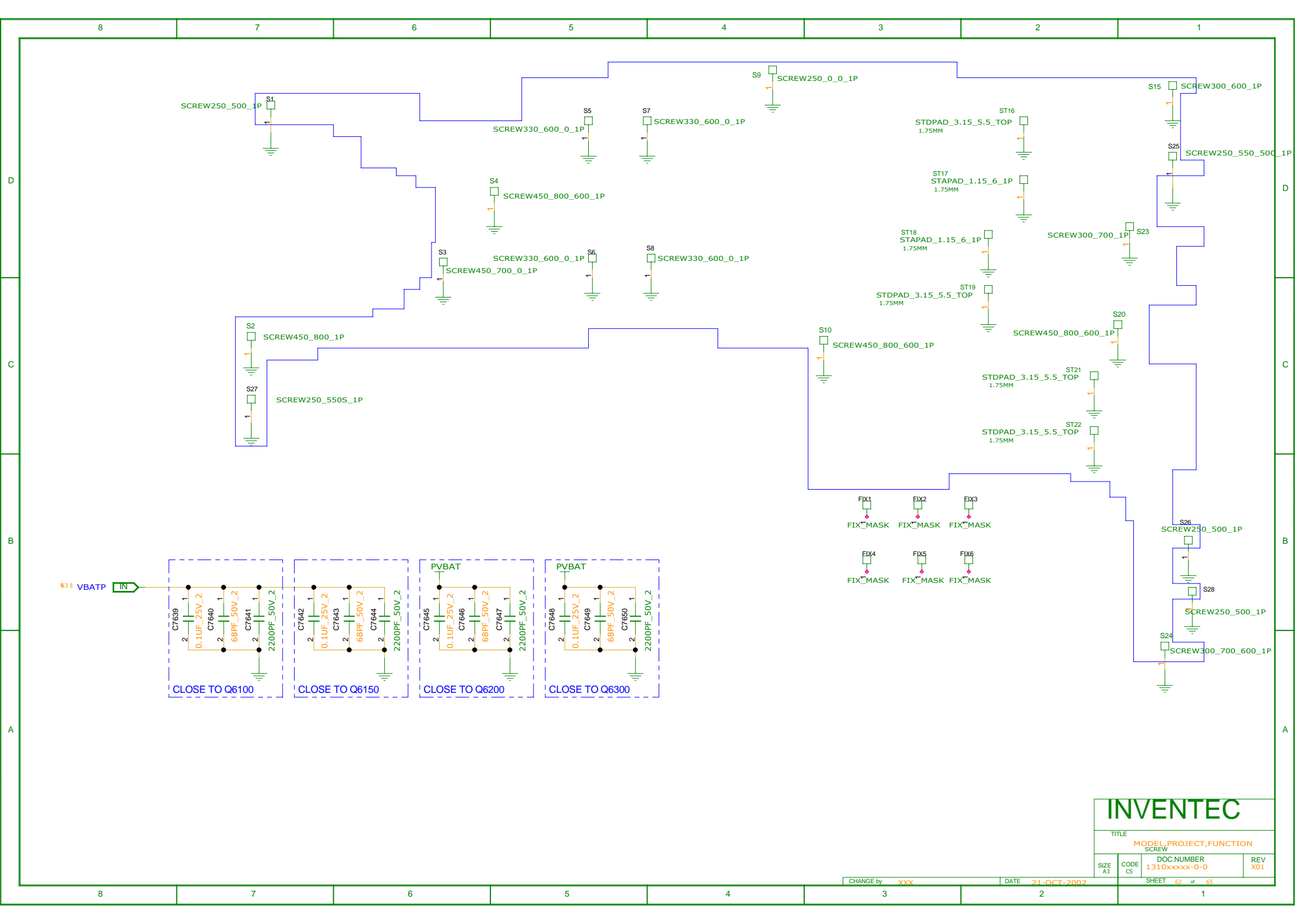
REFERENCE NUMBER:630-639
MIC DOUGHTER BOARD

FIX630
FIX_MASK_0.8

FIX631
FIX_MASK_0.8

FIX632
FIX_MASK_0.8

INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
MIC DB			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 61 of 65			



D

C

B

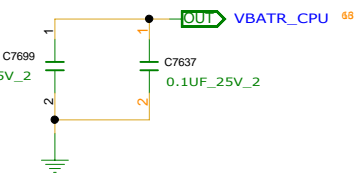
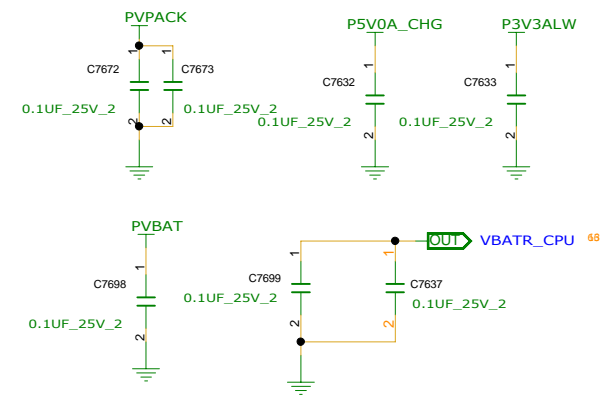
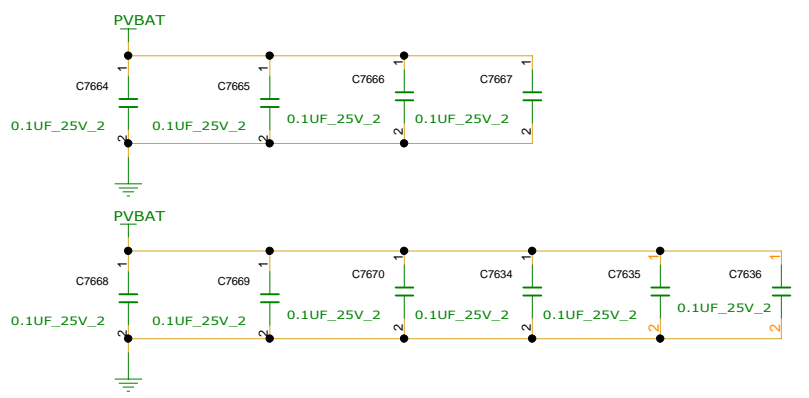
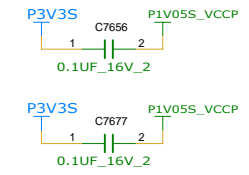
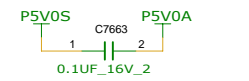
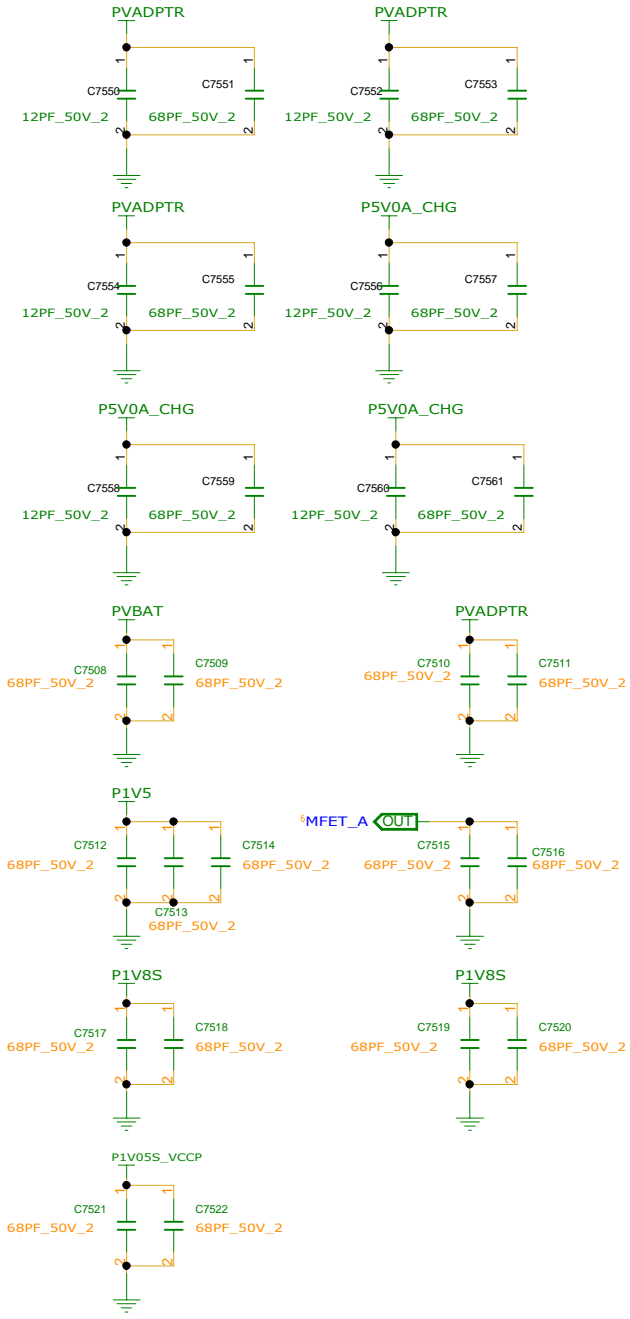
A

D

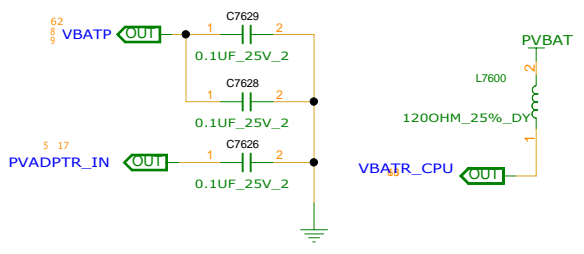
C

B

A

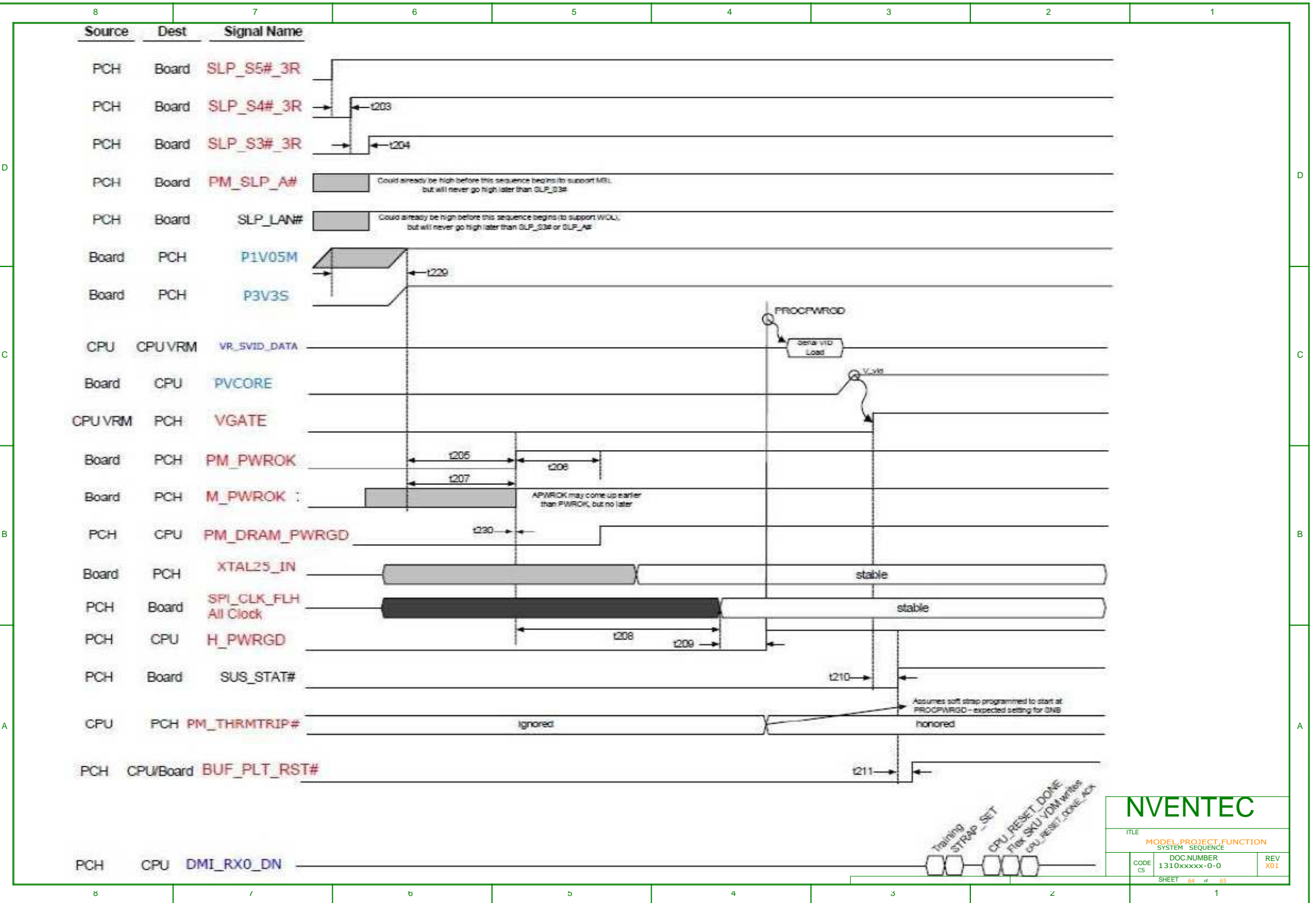


EMI SOLUTION



INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
EMI & RF SOLUTION			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 63 of 65			



INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION Block Diagram			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxxx-0-0	REV X01
SHEET 65 of 65			