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HSF Property: ROHS or Halogen-Free(5L3?)

CALVIN DIS
SI BUILD
FINAL

2011.08.02

21.OCT.2002		
DATE	CHANGE NO.	REV

		EE	DATE	POWER	DATE	INVENTEC			
DRAWER						TITLE MODEL PROJECT FUNCTION PROJECT NAME			
DESIGN									
CHECK						SIZE CODE DOC NUMBER REV			
RESPONSIBLE									
SIZE=					VER:	SIZE	CODE	DOC NUMBER	REV
FILE NAME:						C	CS	1310XXXX-0-0	X01
PIN		XXX				SHEET 1 of 73			

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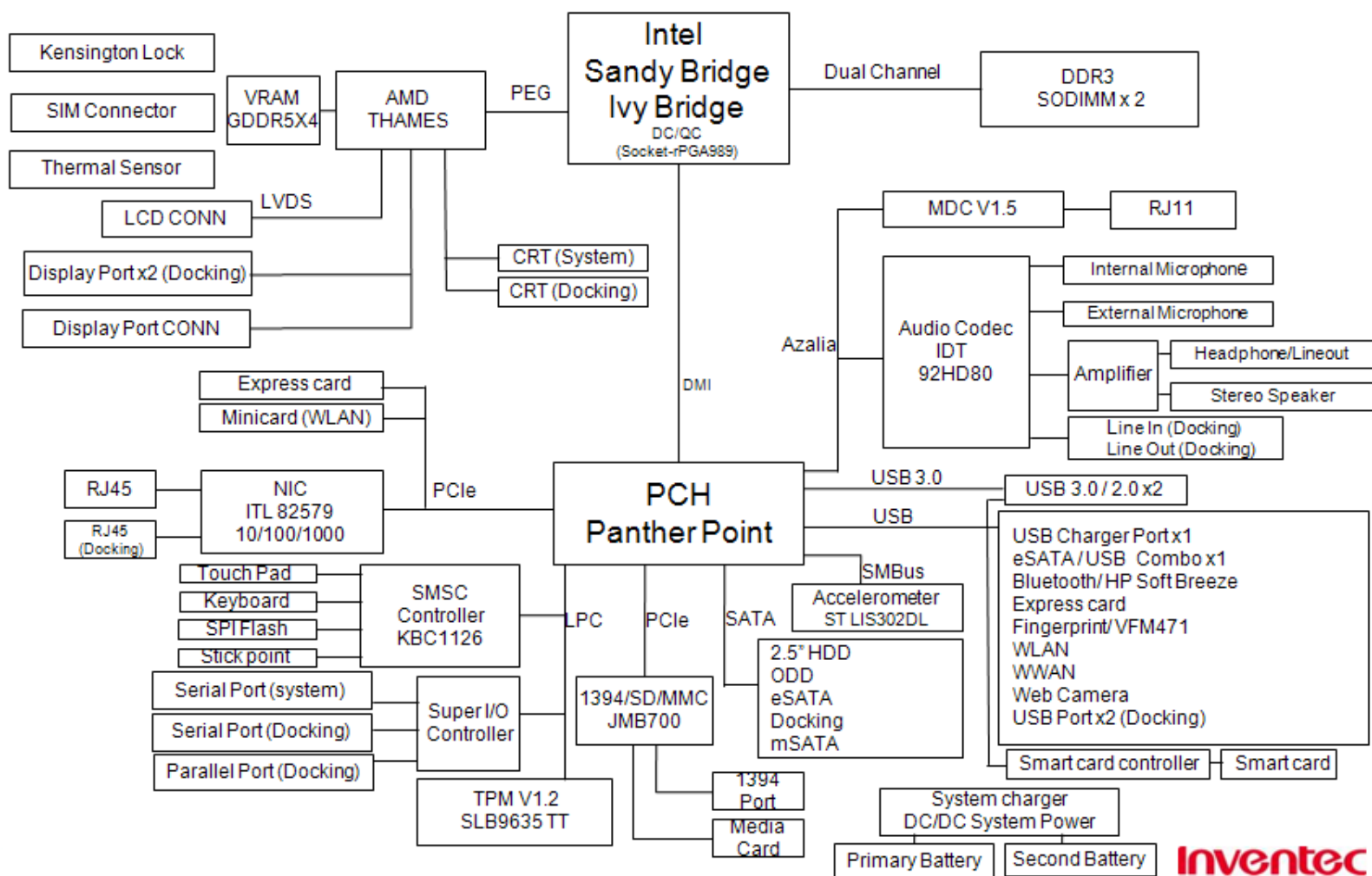
INVENTEC

TITLE
MODEL, PROJECT, FUNCTION
TABLE OF CONTENTS

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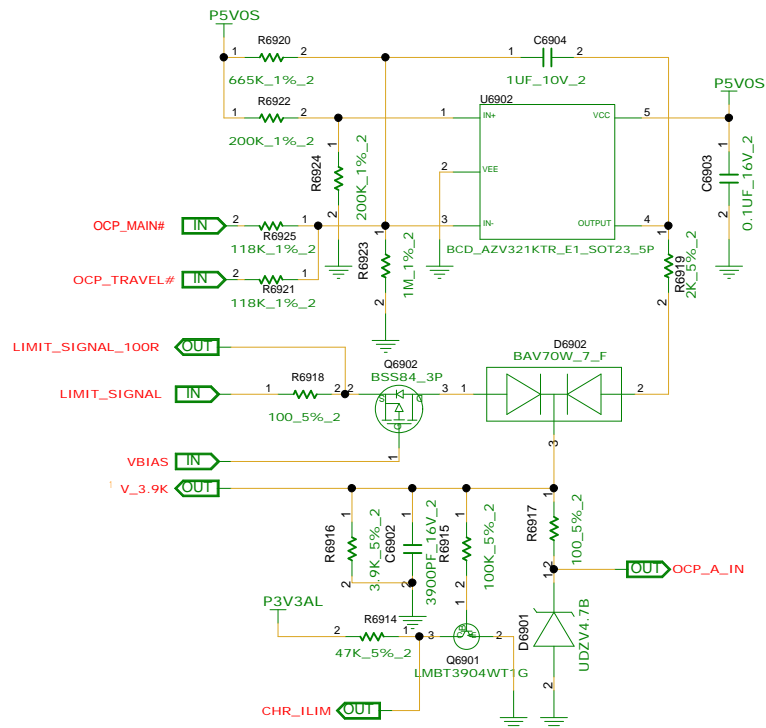
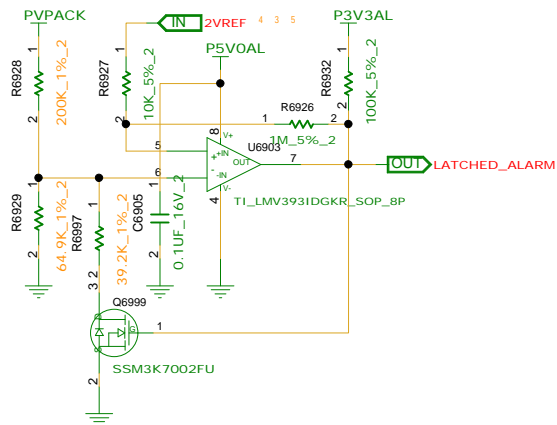
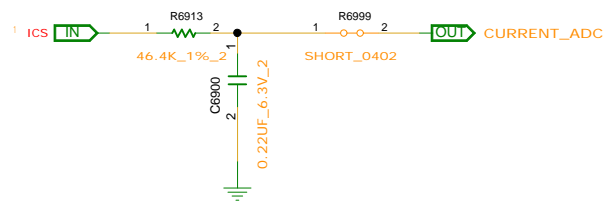
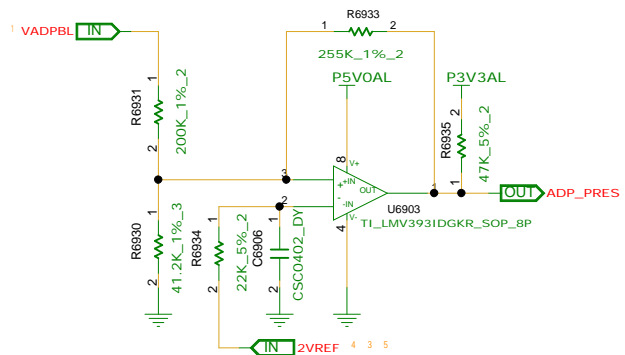
CALVIN Discrete Block Diagram



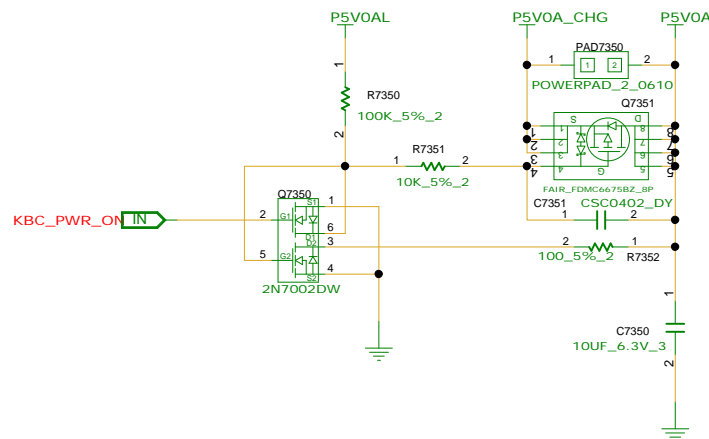
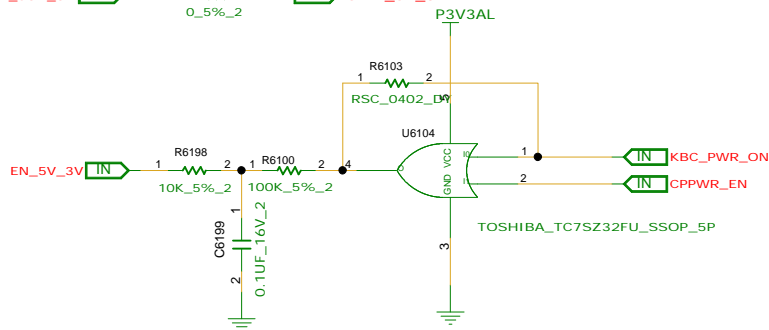
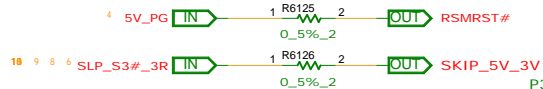
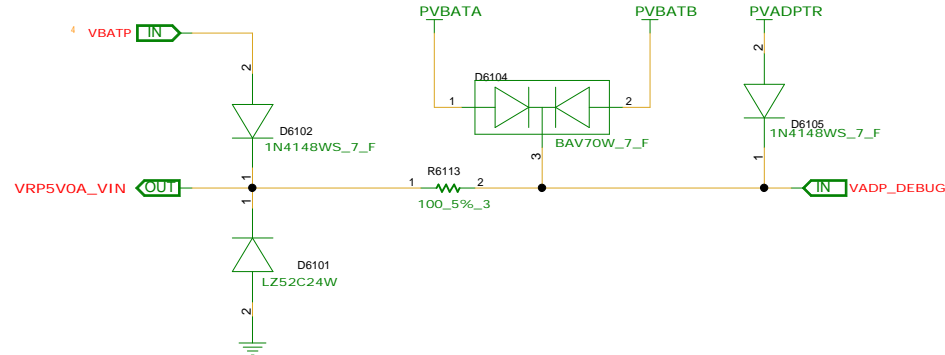
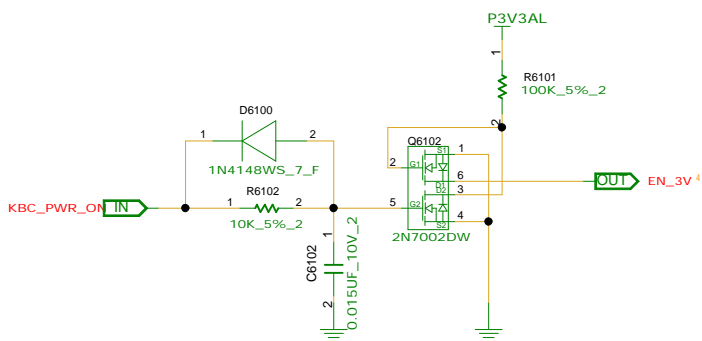
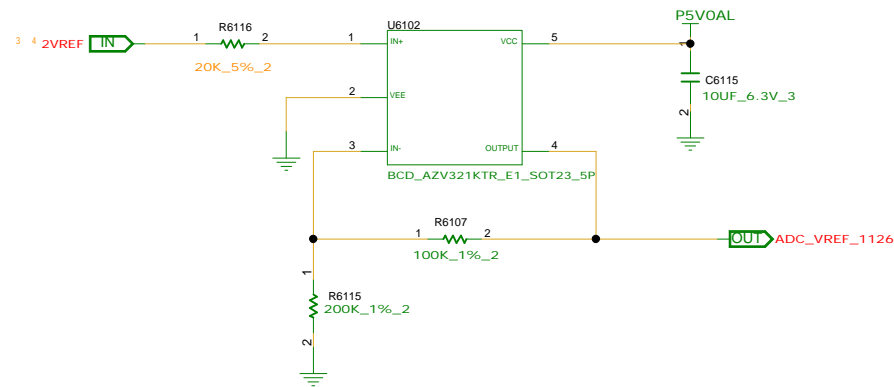
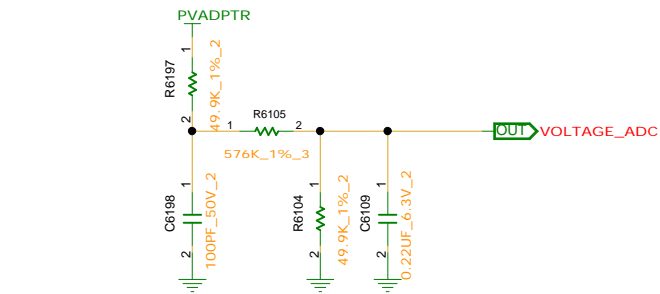
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TITLE			
MODEL,PROJECT,FUNCTION			
BLOCK DIAGRAM			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01



INVENTEC				
TITLE				
MODEL PROJECT FUNCTION				
SYSTEM POWER(OCP)				
SIZE	CODE	DOC NUMBER		REV
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INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
P3V3A&P5V0A_CHG_PORT			
DOC NUMBER		REV	
1310xxxxx-0-0		X01	
SIZE	CODE	SHEET	
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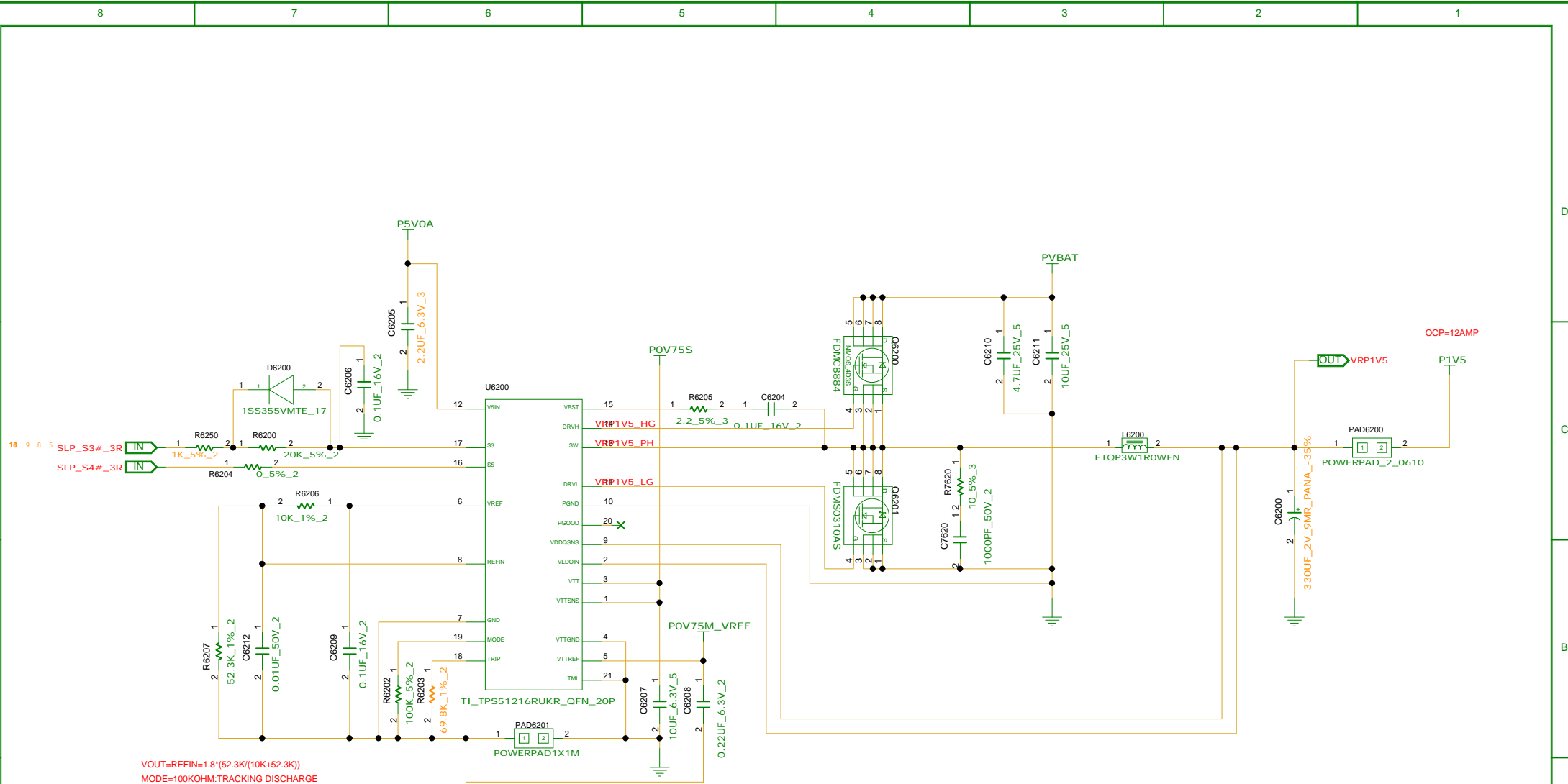
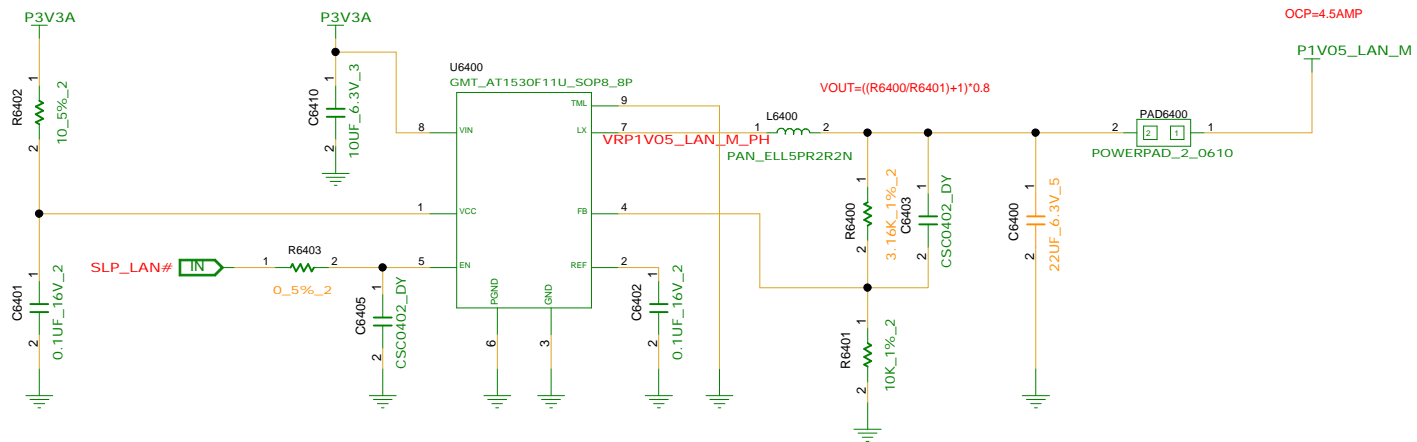


Table 1. S3/S5 Power State Control

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)

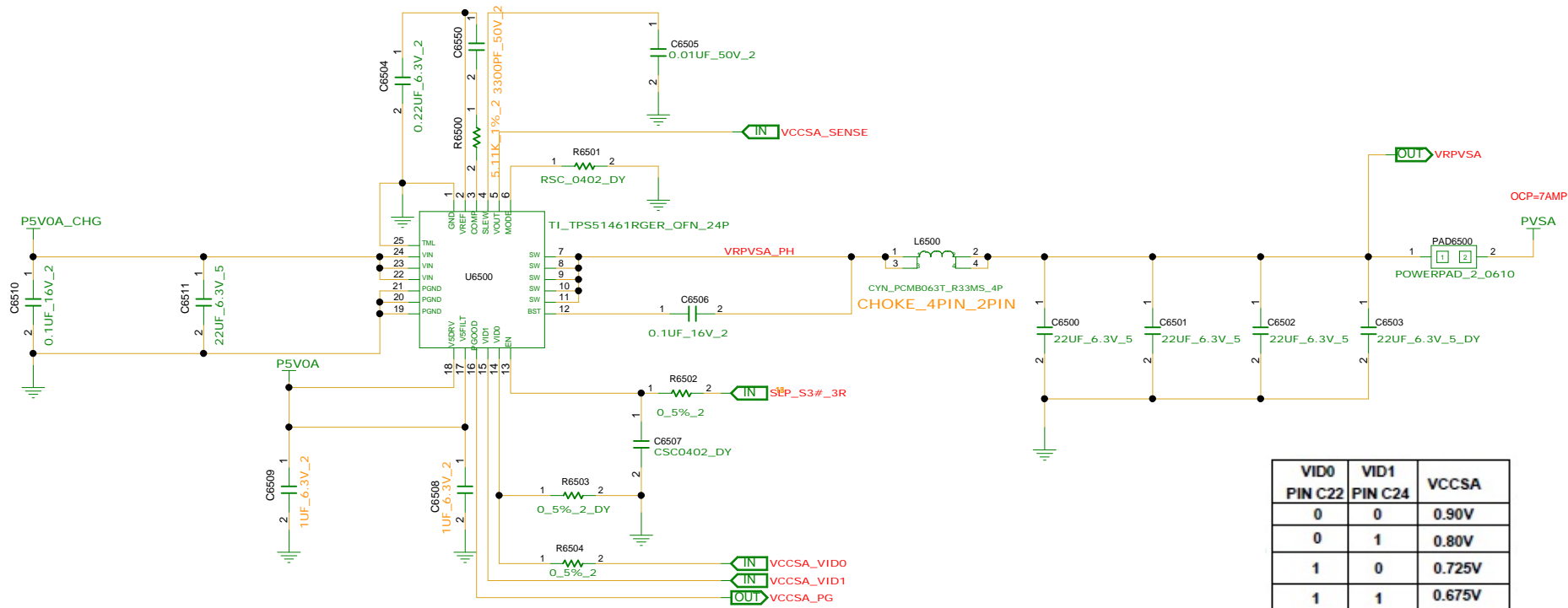


INVENTEC

TITLE			
MODEL PROJECT FUNCTION SYSTEM POWER(P1V05_LAN_M)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01

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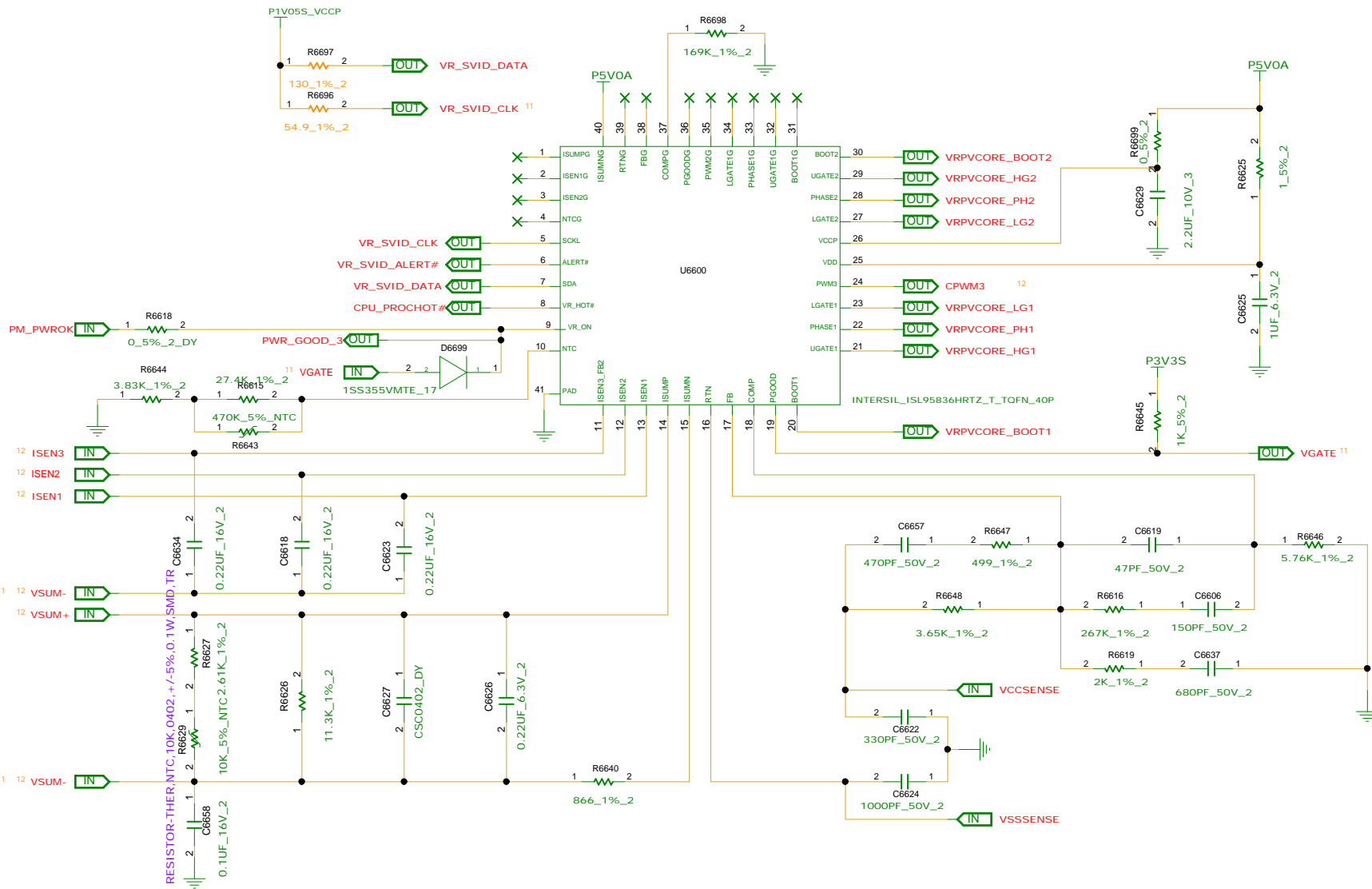
TITLE
MODEL PROJECT FUNCTION
SYSTEM POWER(PVSA)

DOC NUMBER
1310xxxxx-0-0

REV
X01

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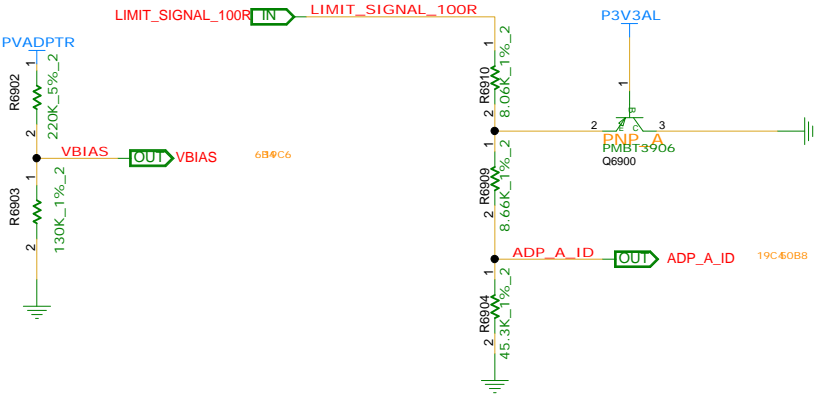


INVENTEC			
TITLE MODEL,PROJECT,FUNCTION			
SYSTEM POWER(PVCORE)			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

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REFERENCE NUMBER : 6900~6999



INVENTEC

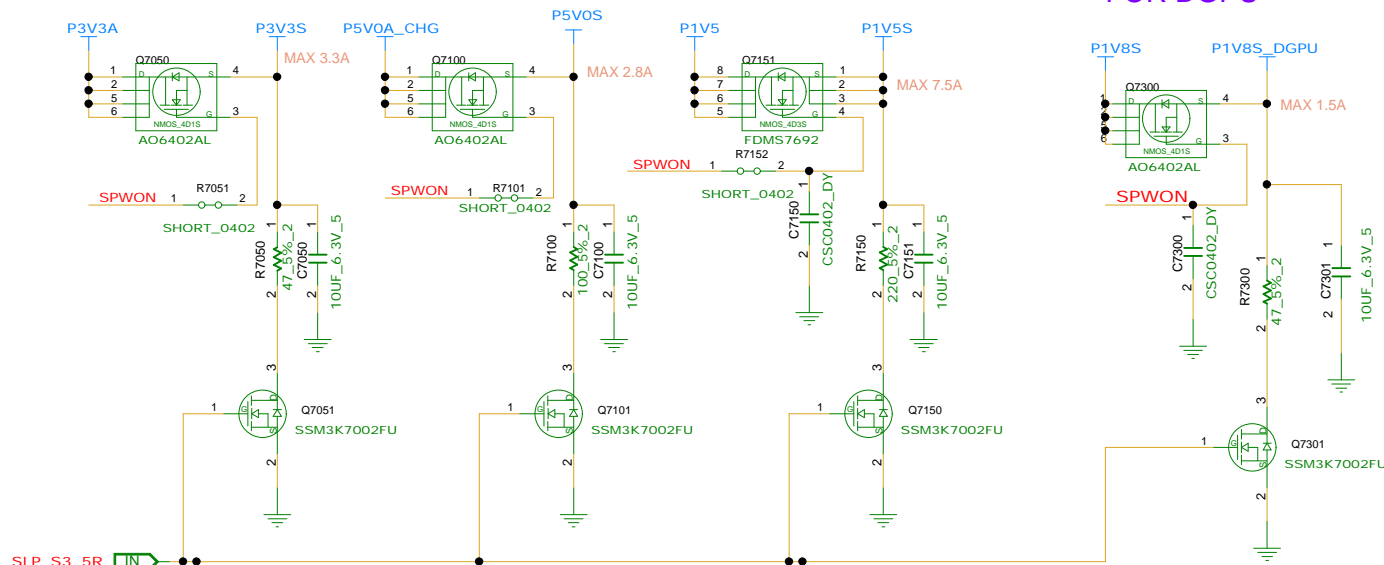
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MODEL, PROJECT, FUNCTION
HP_OCP

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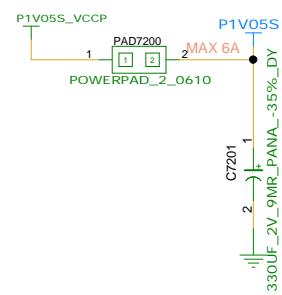
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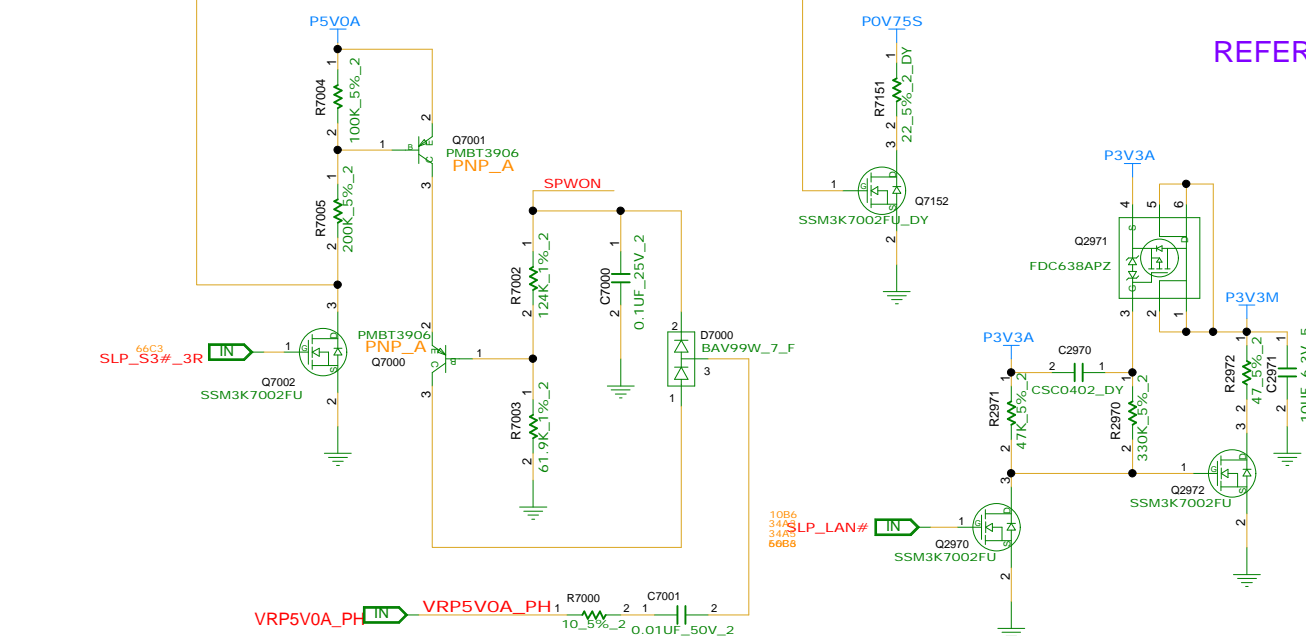
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FOR DGPU

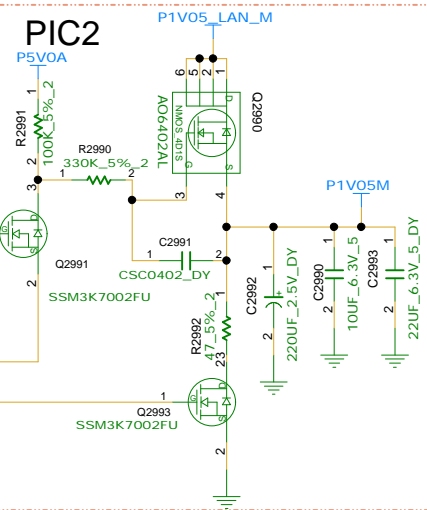
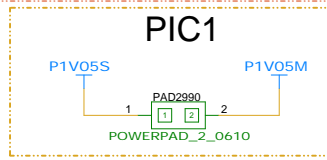


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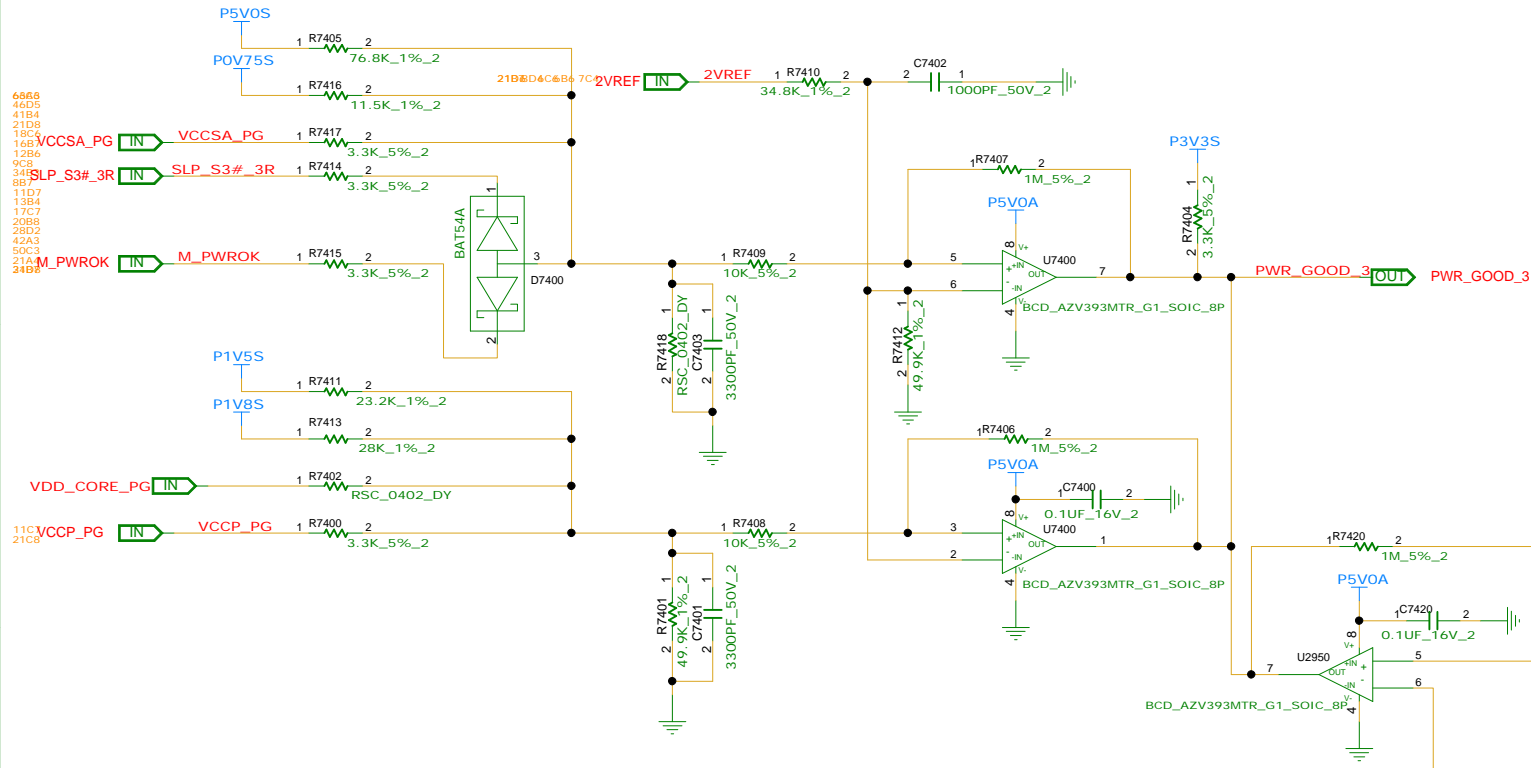
	PIC1	PIC2
NON-AMT	INSTALL	UN-INSTALL
I-AMT	UN-INSTALL	INSTALL



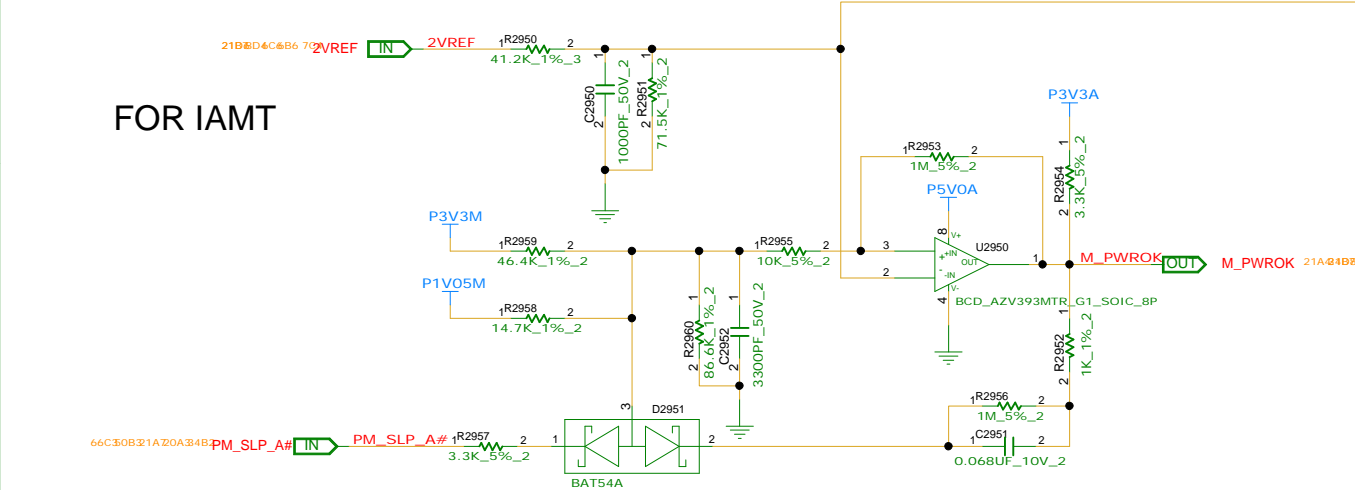
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TITLE			
MODEL PROJECT,FUNCTION			
POWER(SLEEP)			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

REFERENCE NUMER : 7400~7450



FOR IAMT



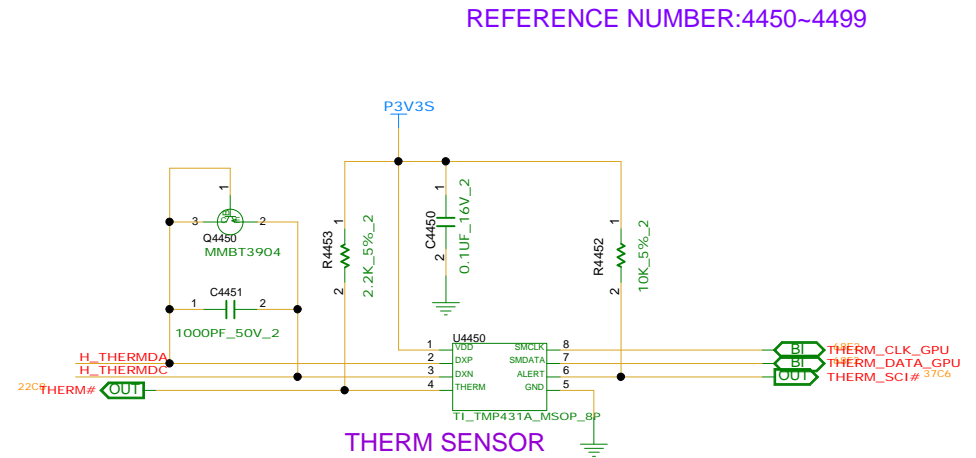
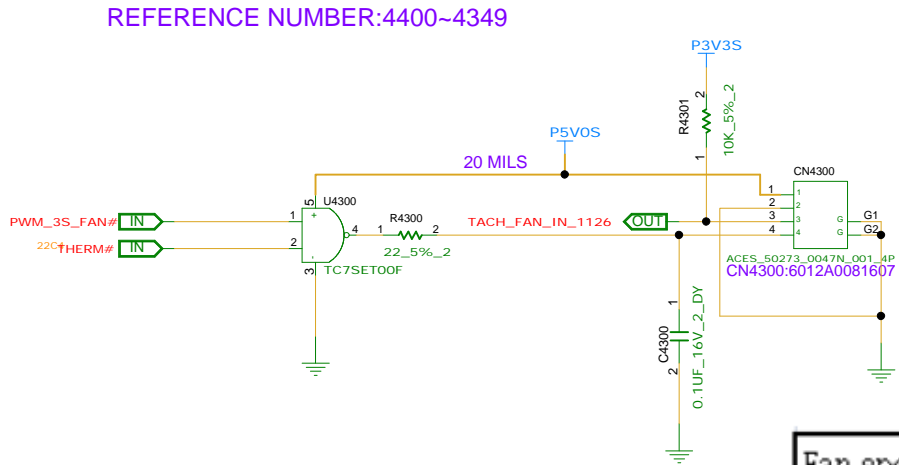
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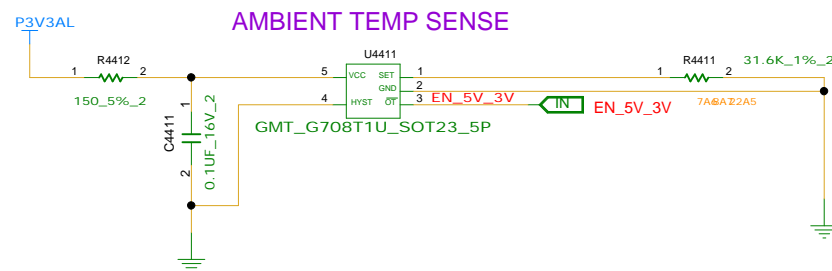
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MODEL/PROJECT/FUNCTION POWER(SEQUENCE)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01

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Fan speeds (RPM) :	2500	3300	3800	4300	5000	0	0	0
CPU temperature trip points :	45	57	68	80	91	0	0	0



RSET (K OHM) = 0.0012T^2 - 0.9308T + 96.147
THERMAL SHUTDOWN AT 77 DEG. FOR B SERIES

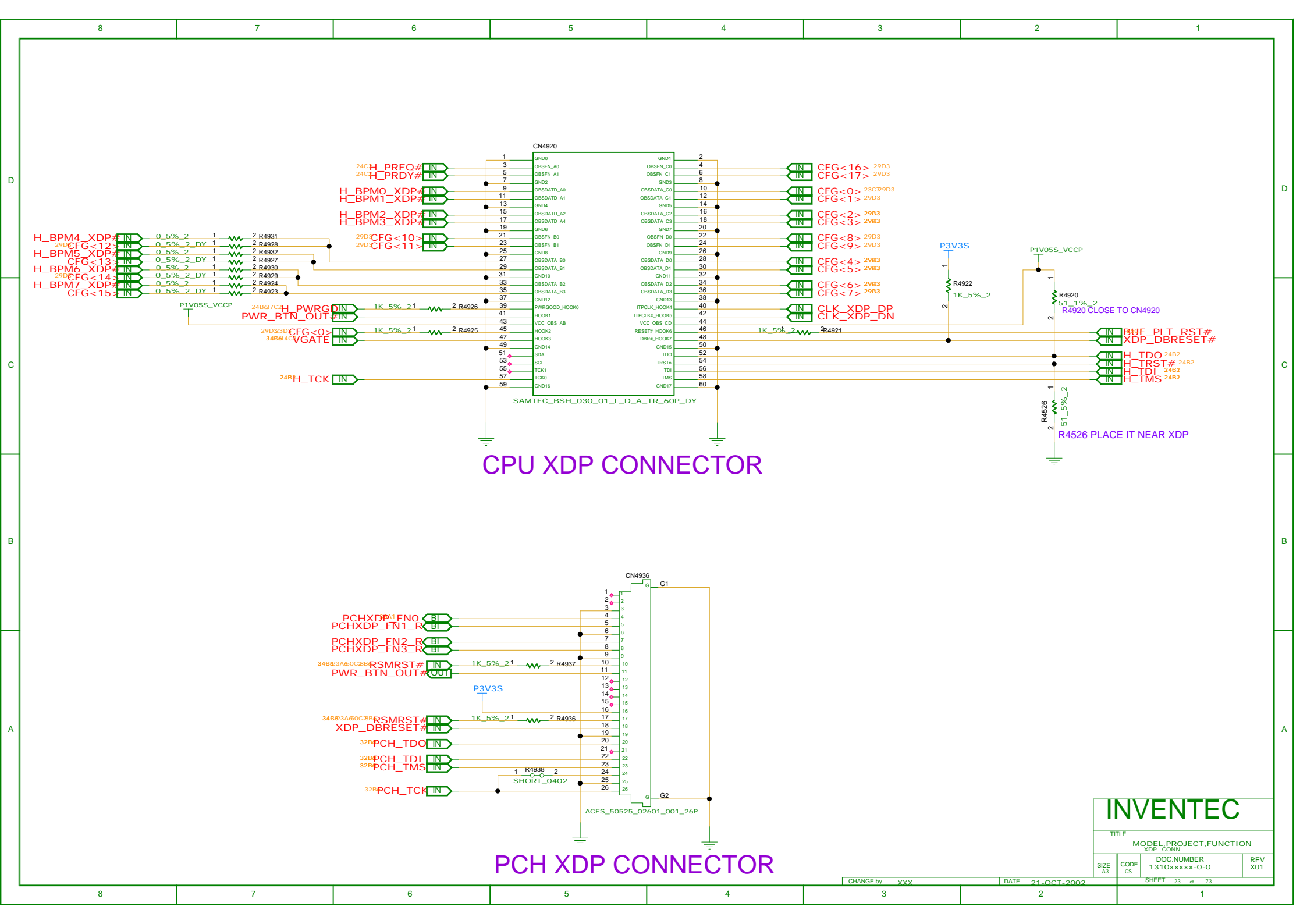
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INVENTEC

TITLE
MODEL,PROJECT,FUNCTION
FAN & THERMAL

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

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CPU XDP CONNECTOR

PCH XDP CONNECTOR

INVENTEC

TITLE MODEL PROJECT FUNCTION
XDP_CONN

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

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REFERENCE NUMBER:4500~4699

PCI EXPRESS* - GRAPHICS

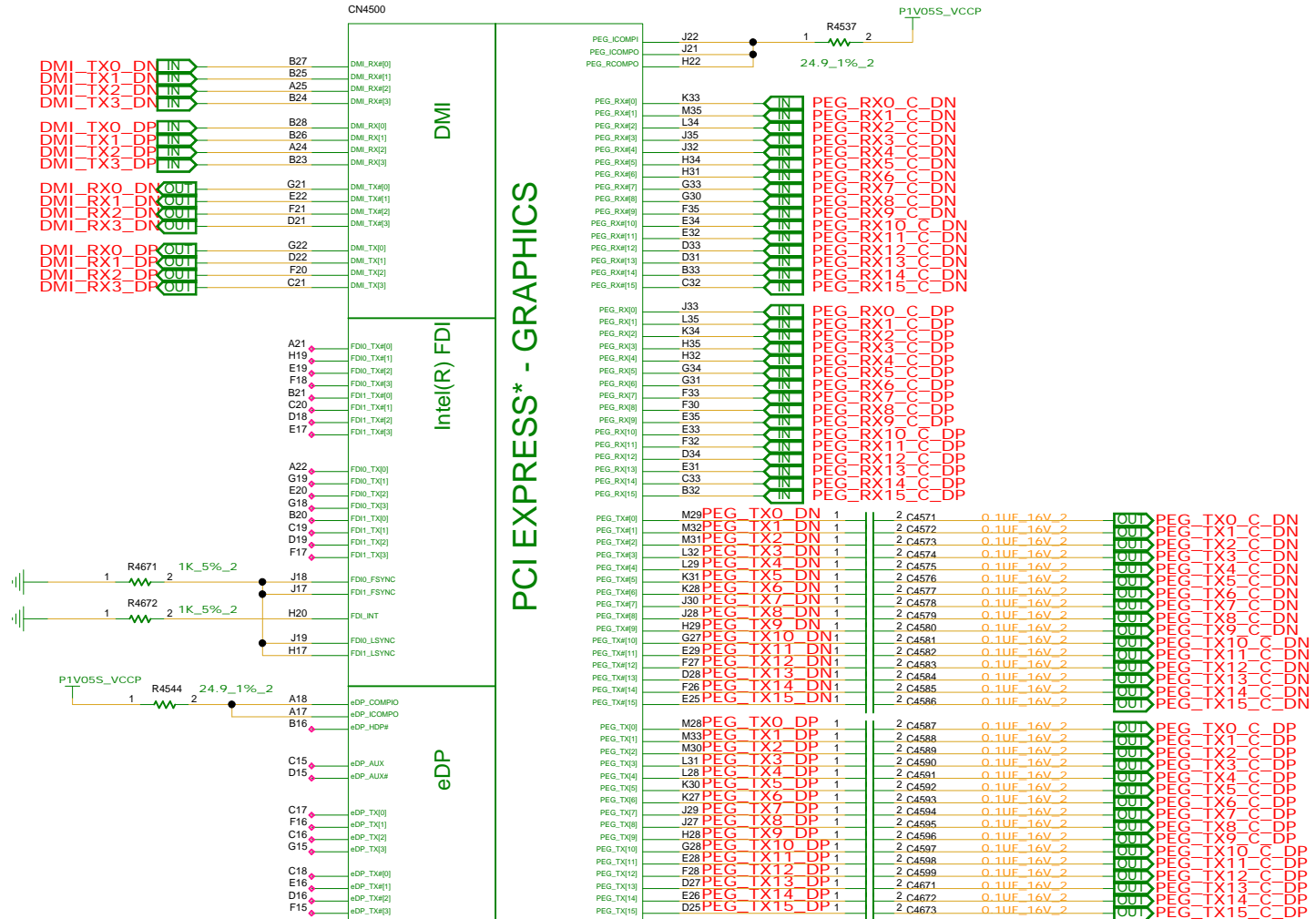
ALL CLOSED TO CPU

INVENTEC

TITLE			
MODEL PROJECT FUNCTION IVY BRIDGE_3 (DMI,DP,PEG,FDI)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01

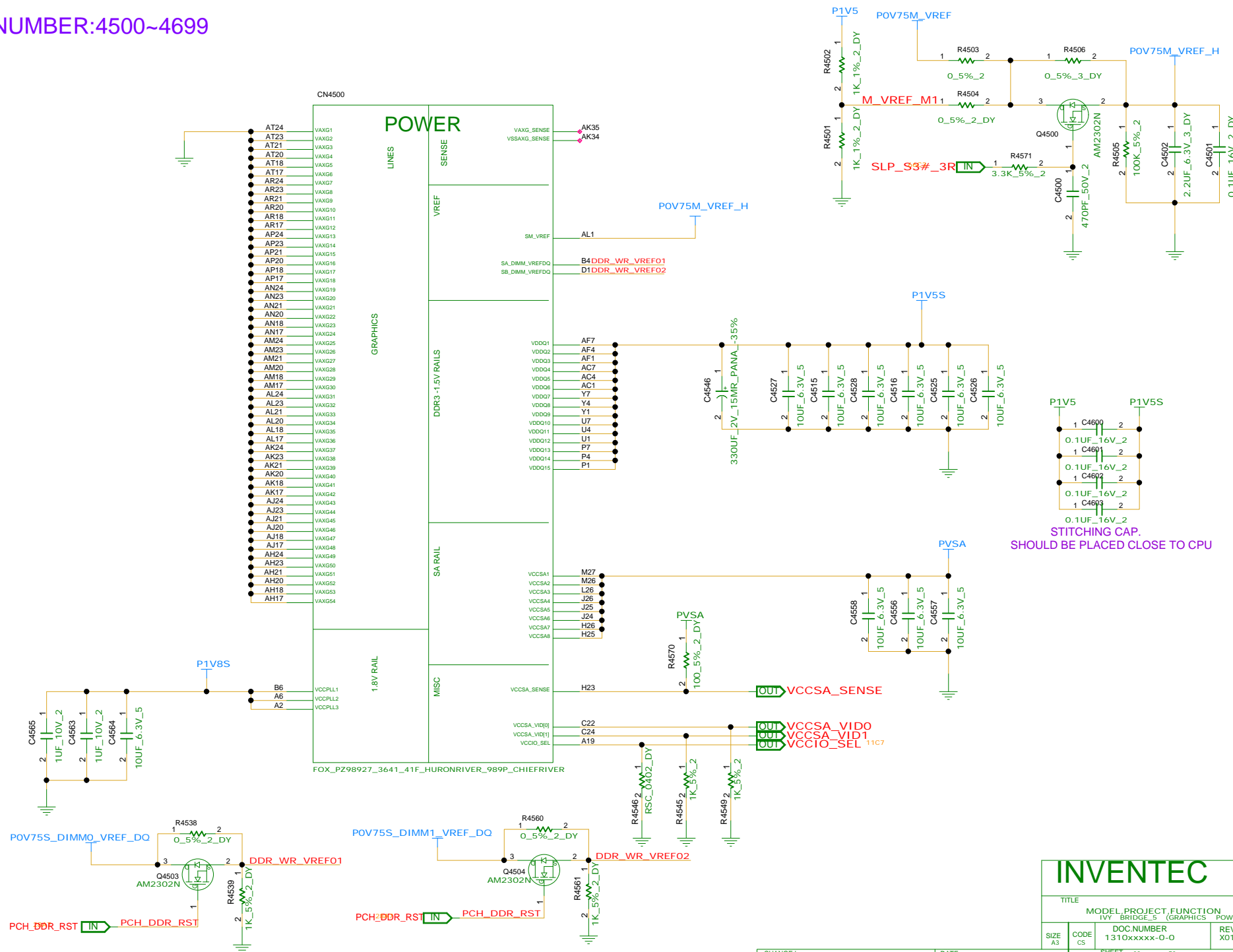
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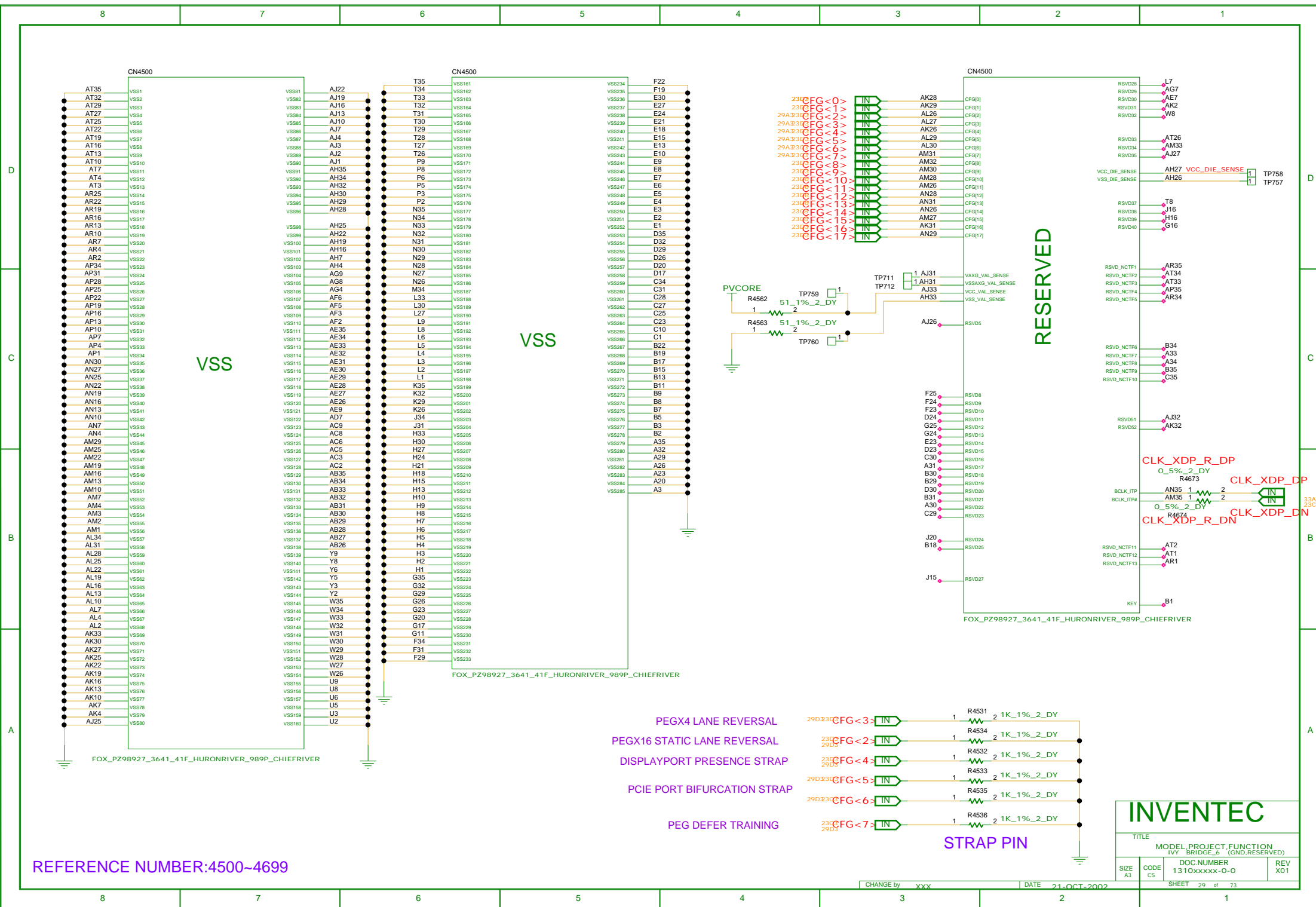
FOX_PZ98927_3641_41F_HURONRIVER_989P_CHIEFRIVER

REFERENCE NUMBER:4500~4699



INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
1310xxxxx-0-0			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01



M_B_A<15..0> BI M_B_DQ<63..0> BI

M_B_BS0
M_B_BS1
M_B_BS2
27V M_CS#2
27V M_CS#3
M_CLK_DDR2_DP
M_CLK_DDR2_DN
M_CLK_DDR3_DP
M_CLK_DDR3_DN
M_CKE2
M_CKE3
27V M_CAS#
M_B_RAS#
M_B_WE#
SA0_DIM1
SA1_DIM1
PCH_3S_SMCLK
PCH_3S_SMDATA

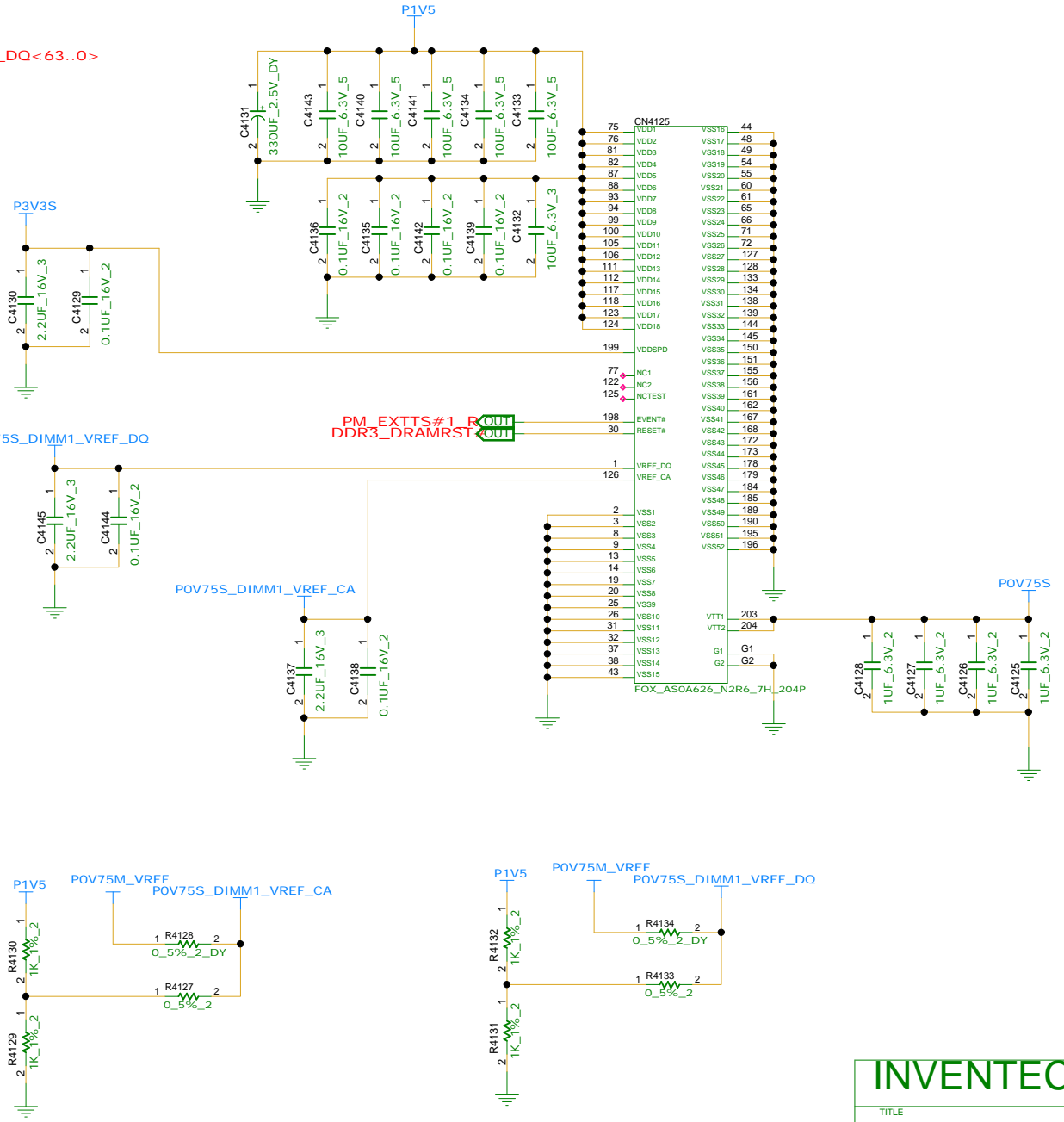
27V M_ODT2
27V M_ODT3

M_B_DQS0
M_B_DQS1
M_B_DQS2
M_B_DQS3
M_B_DQS4
M_B_DQS5
M_B_DQS6
M_B_DQS7
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FOX_AS0A626_N2R6_7H_204P
CN4675:6026B0182502

NOTE:
SO-DIMMB SPD ADDRESS IS 0XA4
SO-DIMMB TS ADDRESS IS 0X34

REFERENCE NUMBER:4100~4299



REFERENCE NUMER : 4700~4949

LAYOUT NOTE: JTAG_TMS TERMINATIONS NEED TO BE PLACED NEAR PCH
LAYOUT NOTE: JTAG_TDI TERMINATIONS NEED TO BE PLACED NEAR PCH
LAYOUT NOTE: JTAG_TDO TERMINATIONS NEED TO BE PLACED NEAR XDP

D

C

C8

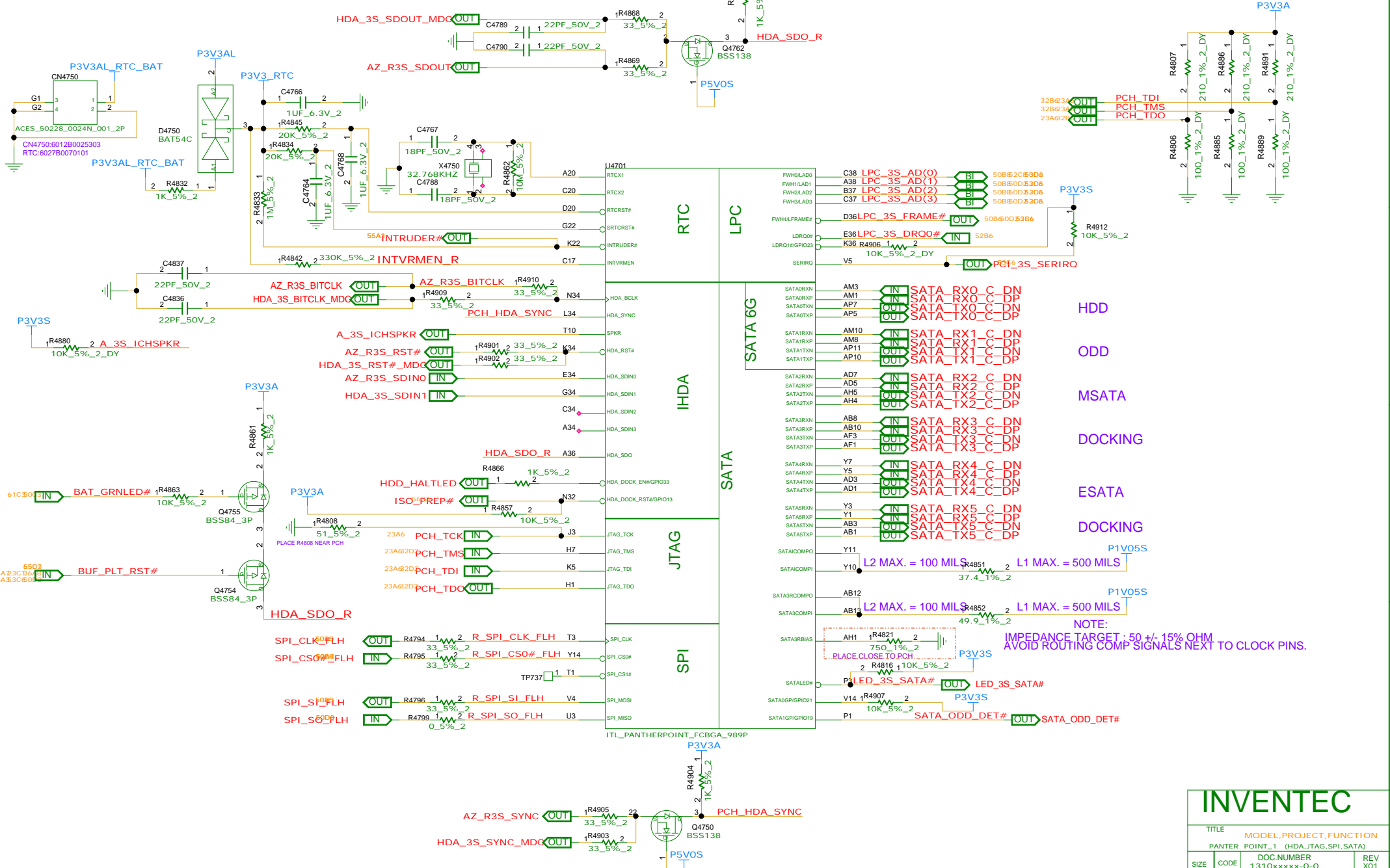
A

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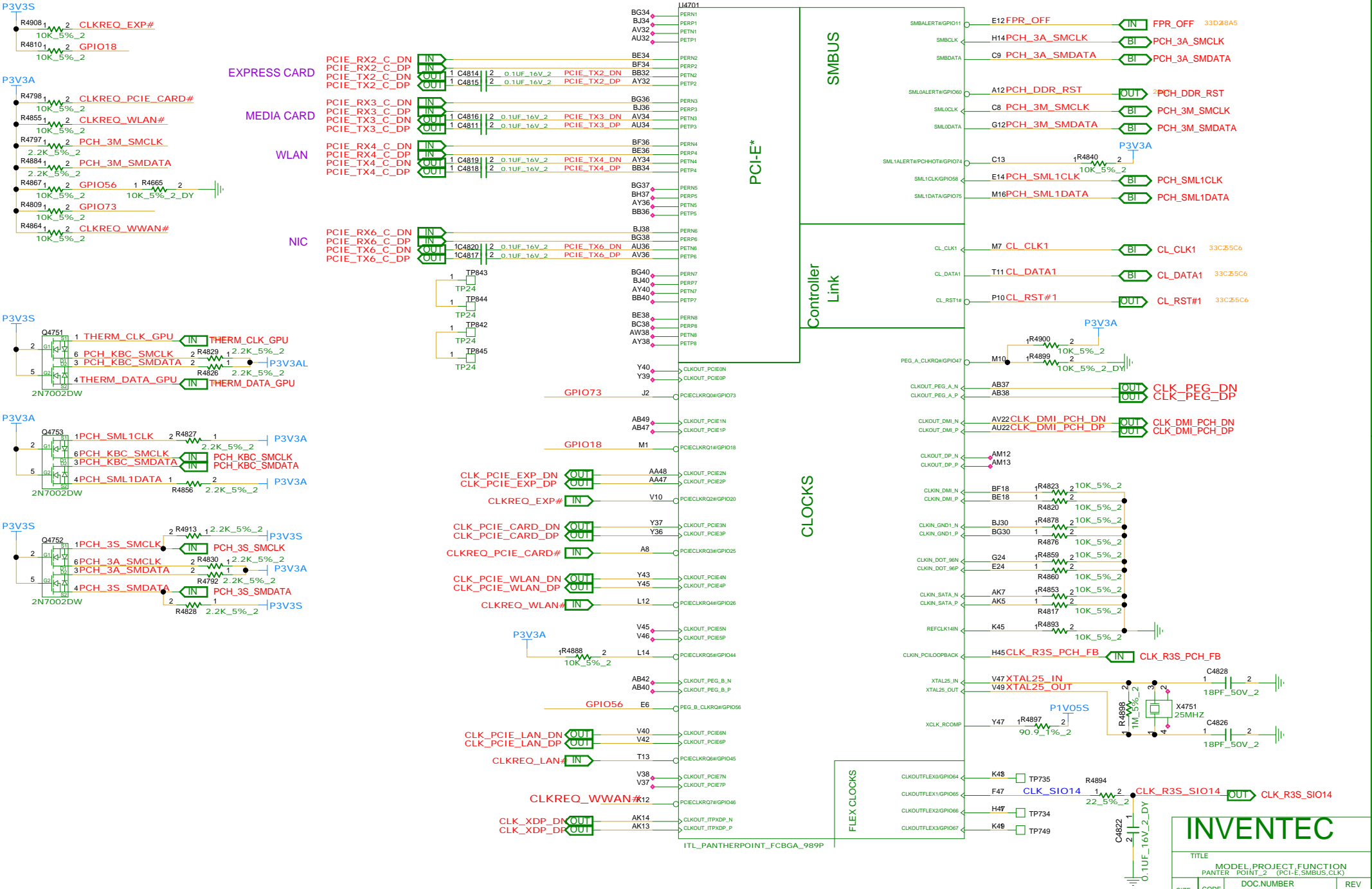
A



INVENTEC			
TITLE MODEL PROJECT FUNCTION			
PANTER POINT_1 (HDA,JTAG,SPI,SATA)			
SIZE A3		DOC NUMBER 1310xxxxx-0-0	REV X01
CODE CS		SHEET 32 of 73	

CHANGE by XXX DATE 21-OCT-2002

REFERENCE NUMBER : 4700~4949



INVENTEC

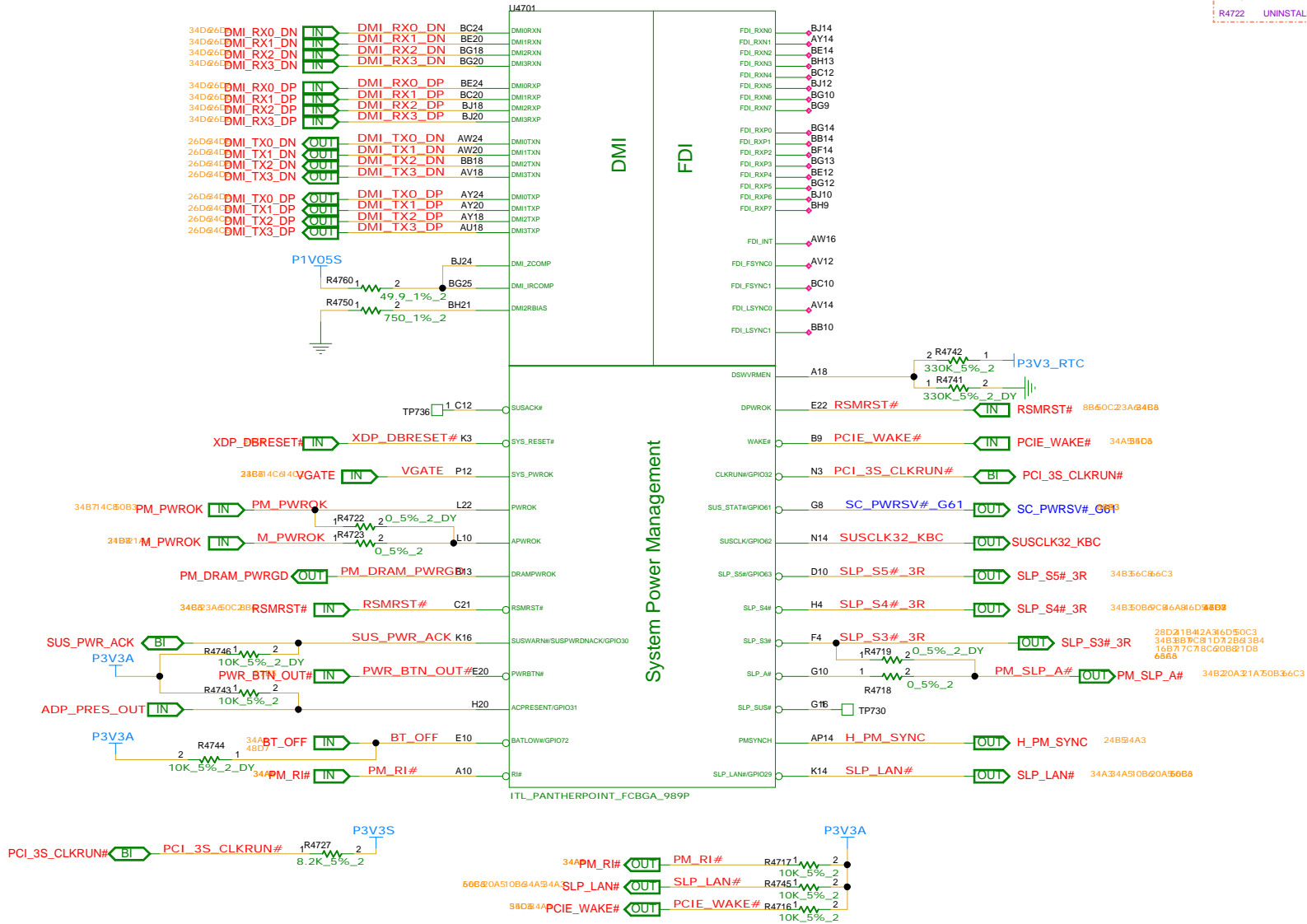
TITLE			
PANTHER	POINT_2	(PCI-E, SMBUS, CLK)	
MODEL	PROJECT	FUNCTION	
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

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 +V3S ENABLES DSW WUPPORT. NO INSTALL R5261 TO DISABLE DSW

	IAMT	NON-IAMT
R4718	INSTALL	UNINSTALL
R4723	INSTALL	UNINSTALL
R4719	UNINSTALL	INSTALL
R4722	UNINSTALL	INSTALL



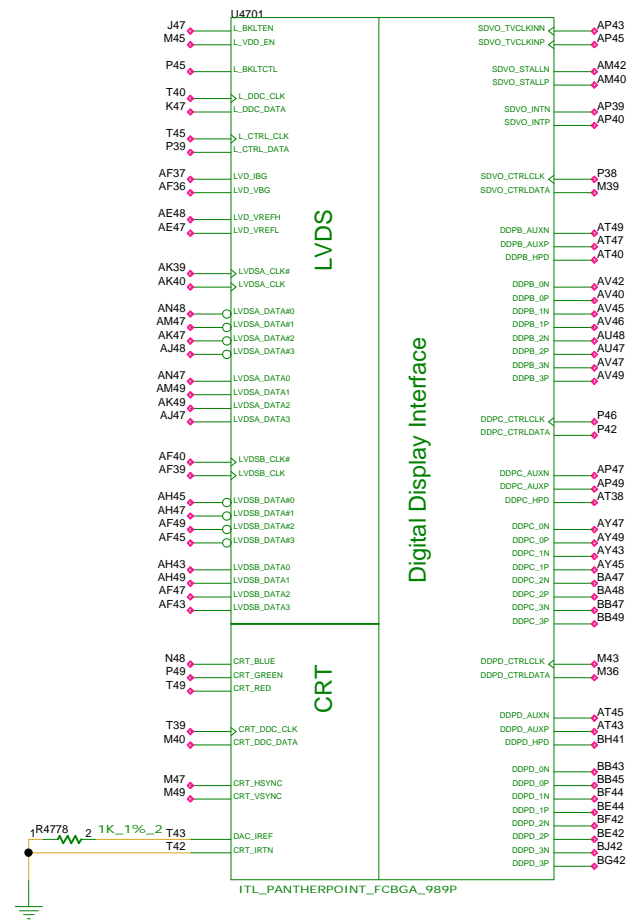
INVENTEC

TITLE			
MODEL PROJECT FUNCTION PANTER POINT-3 (DMI,FDI,GPIO)			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

CHANGE by XXX DATE 21-OCT-2002

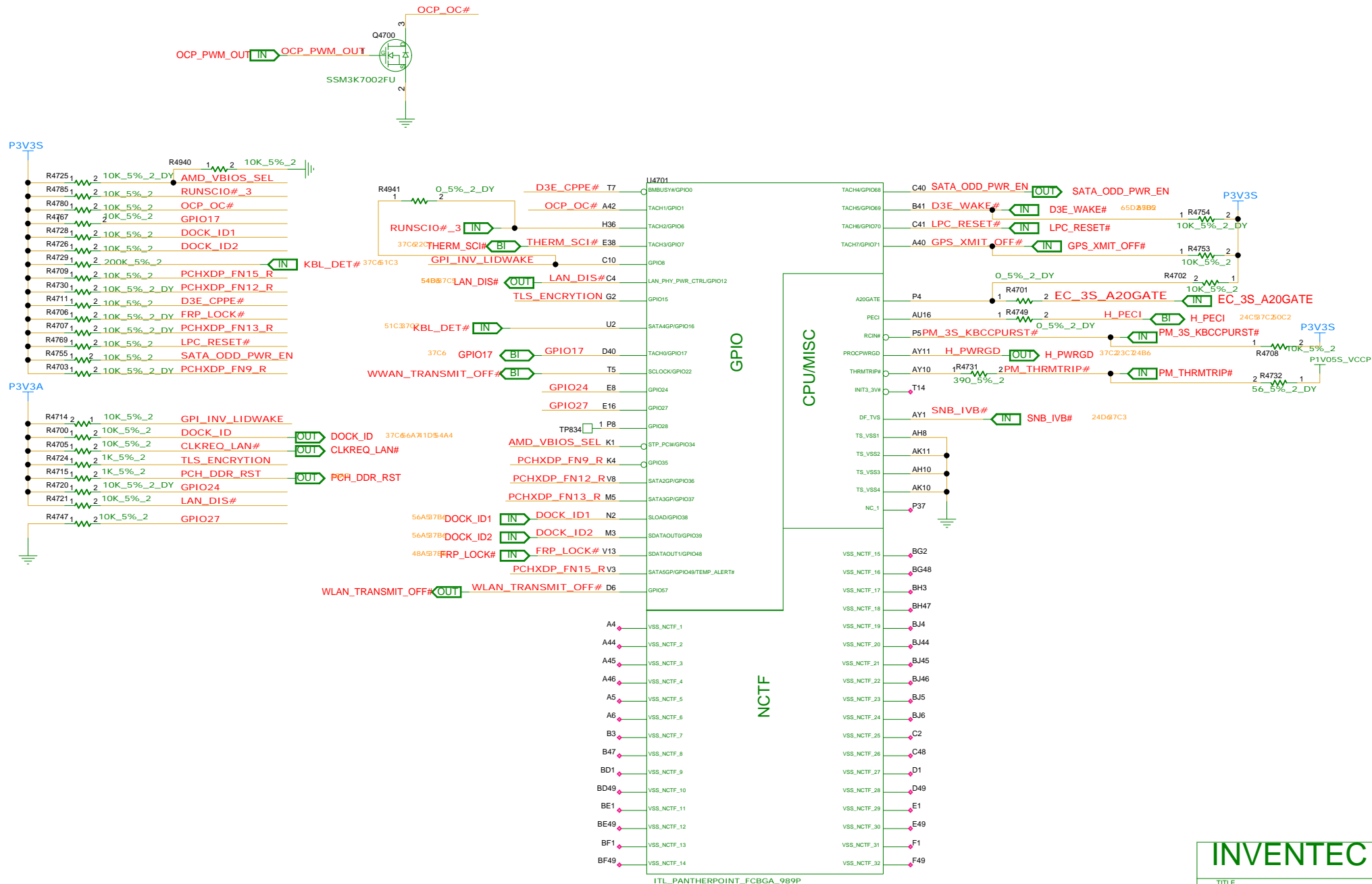
SHEET 34 of 73

REFERENCE NUMER : 4700~4949



INVENTEC			
TITLE			
MODEL PROJECT FUNCTION PANTHER POINT_4 (LVDS,DDI)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01

REFERENCE NUMBER : 4700~4949

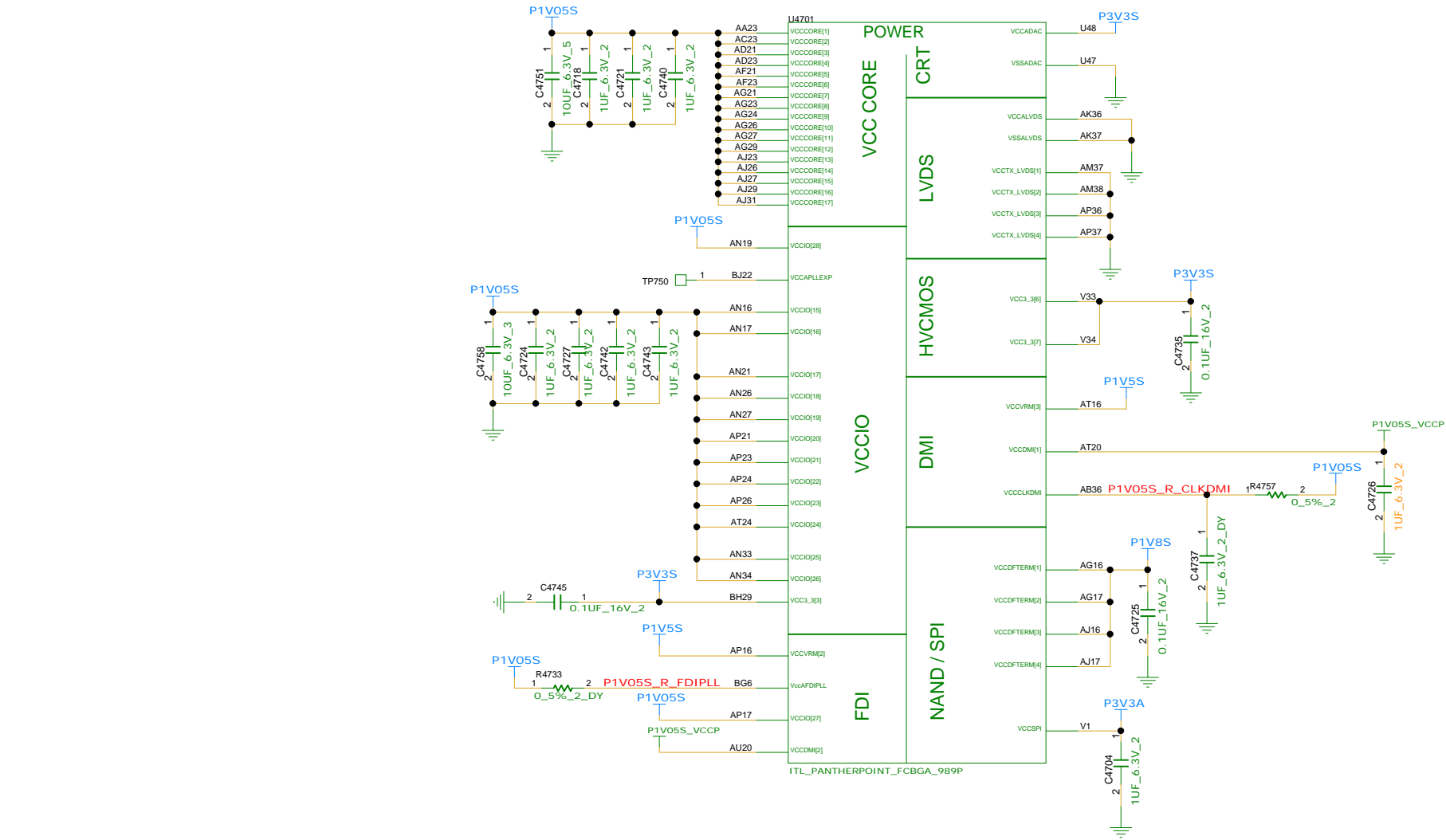


INVENTEC

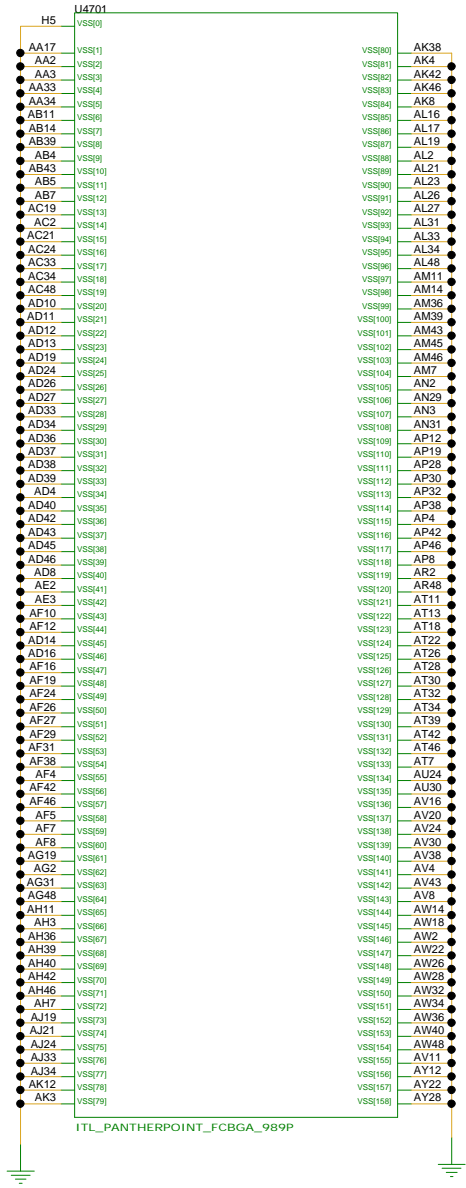
TITLE MODEL PROJECT FUNCTION
PANTHER POINT_6 (GPIO,VSS,NCTF,RSVD)

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

CHANGE by XXX DATE 21-OCT-2002 SHEET 37 of 73

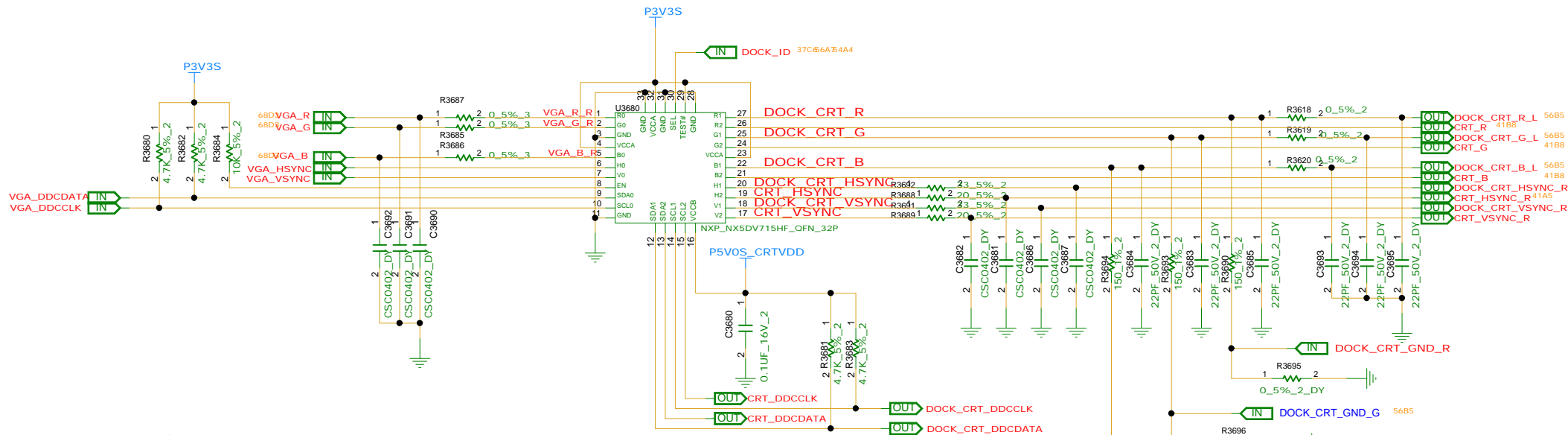


REFERENCE NUMBER : 4700~4949

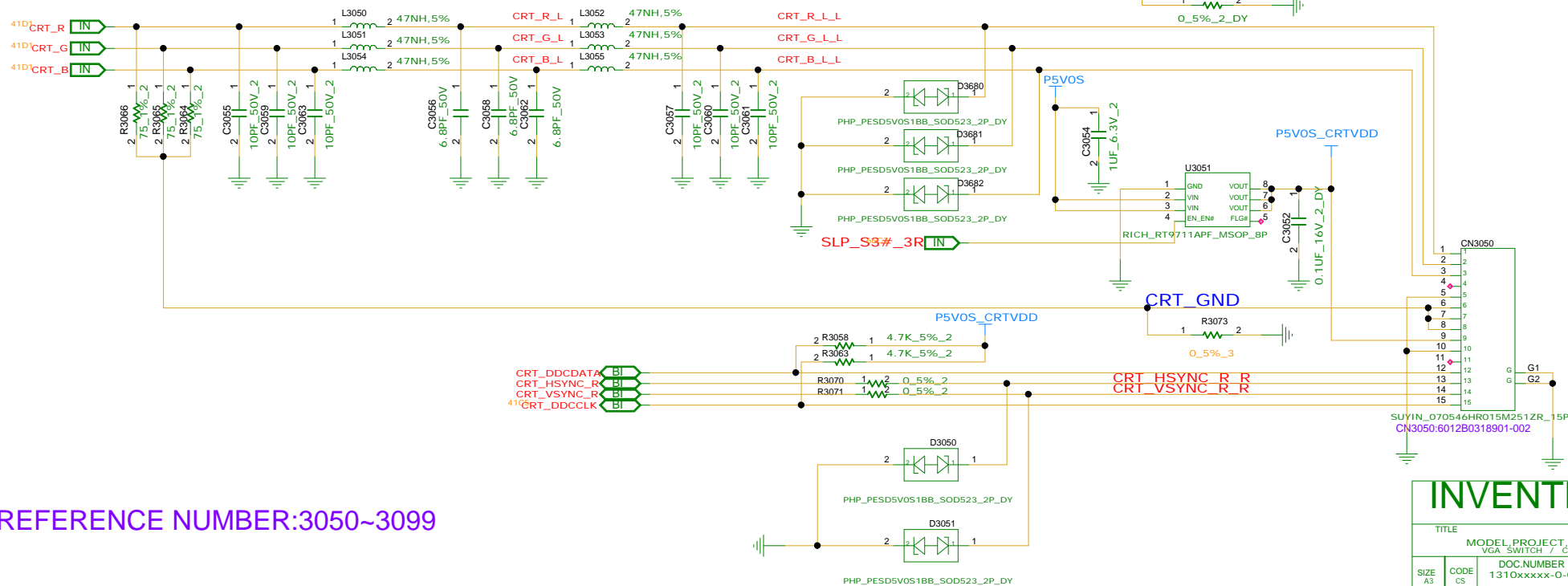


INVENTEC

TITLE			
MODEL PROJECT FUNCTION PANTER POINT-9 (GND)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-O-O	REV X01



REFERENCE NUMBER:3680~3699

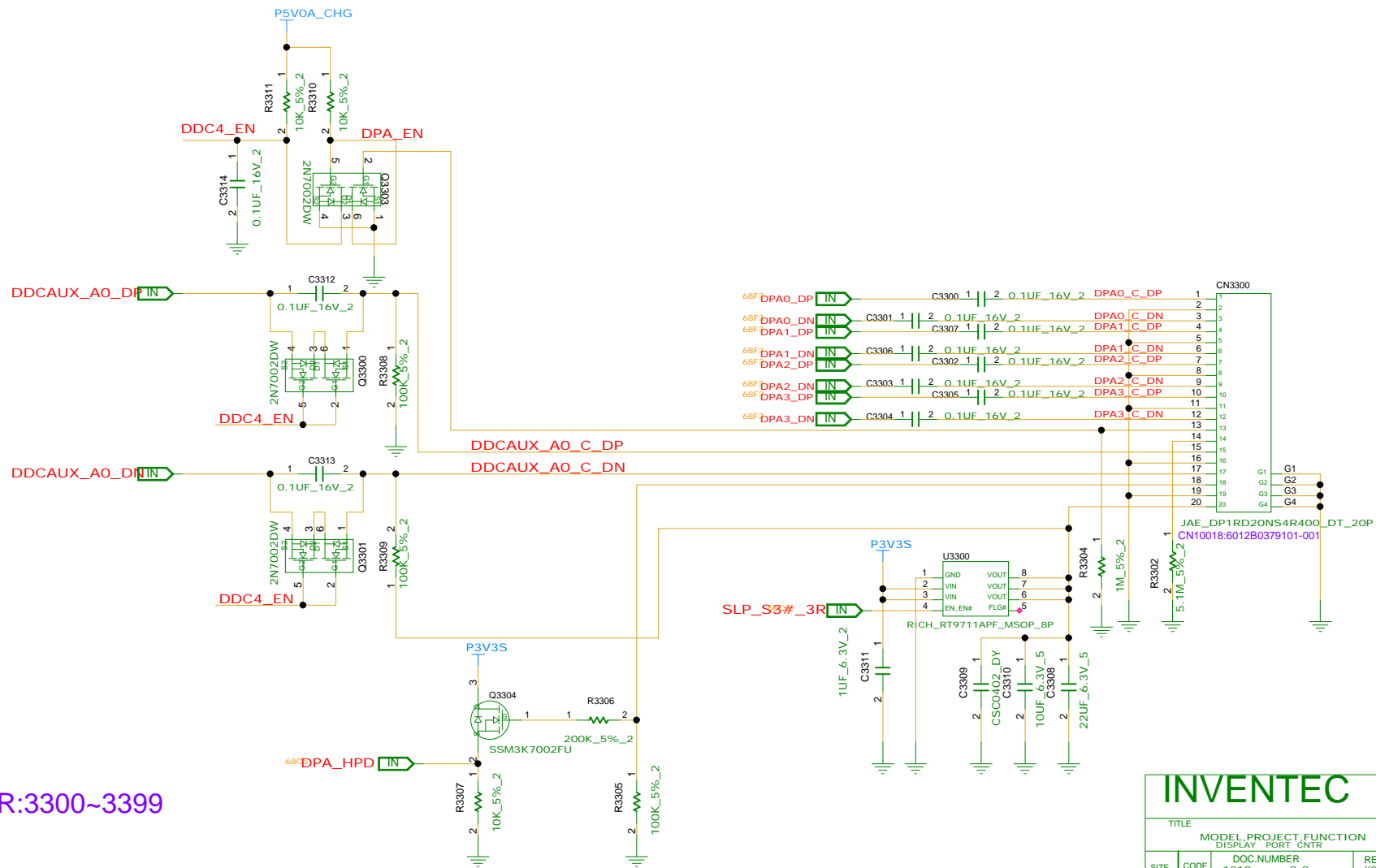


REFERENCE NUMBER:3050~3099

INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
VGA SWITCH / CRT			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

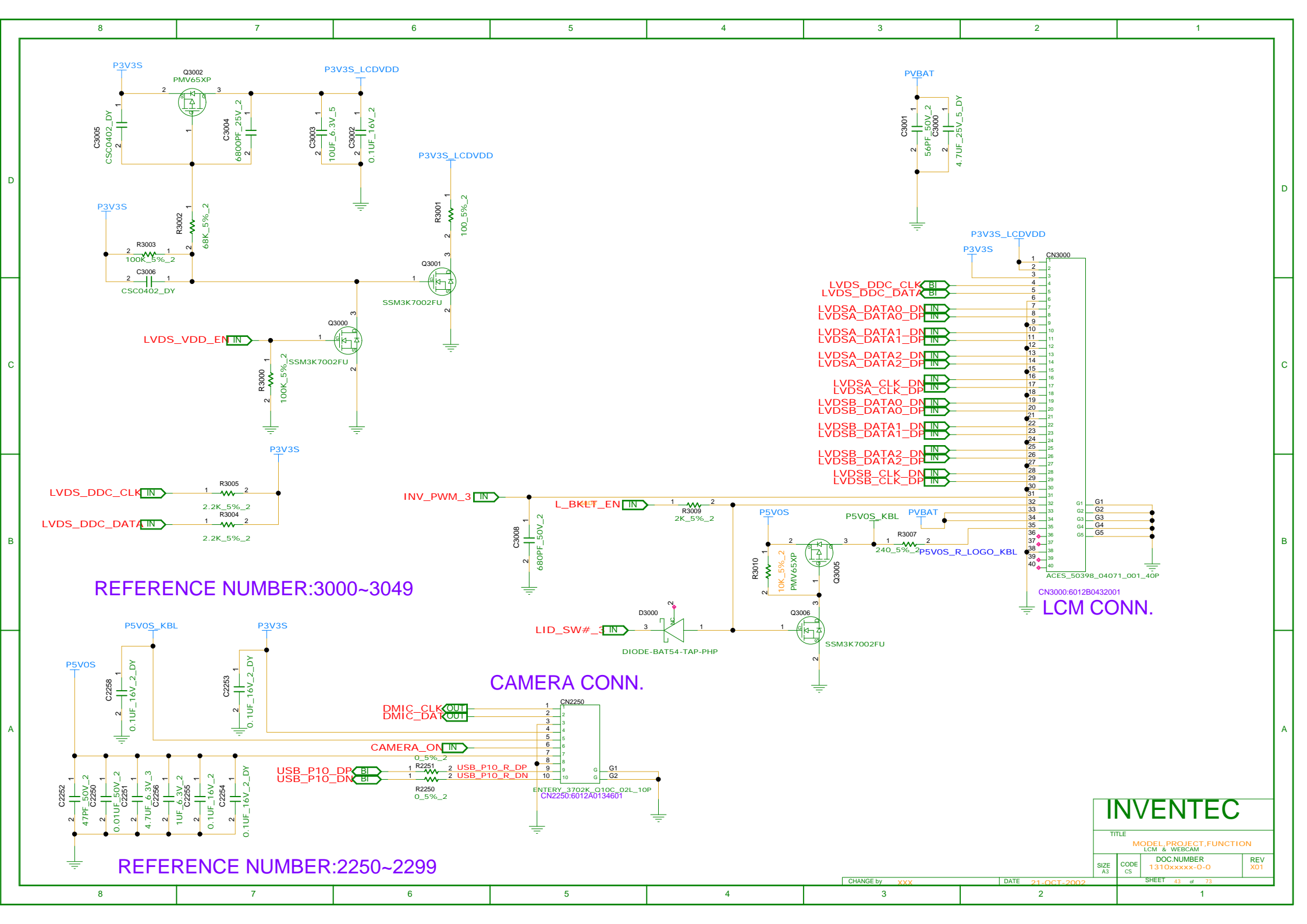
REFERENCE NUMBER:3300~3399



INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
DISPLAY PORT CNTR			
DOC NUMBER		REV	
1310xxxxx-0-0		X01	
SIZE	CODE	SHEET	
A3	CS	42 of 73	

CHANGE by XXX DATE 21-OCT-2002



REFERENCE NUMBER:3000~3049

CAMERA CONN.

LCM CONN.

REFERENCE NUMBER:2250~2299

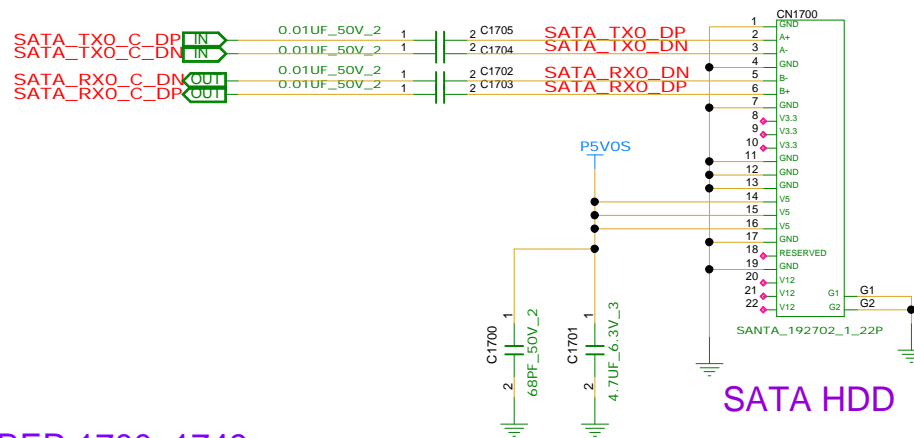
INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
LCM & WEBCAM			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 43 of 73			

BLANK

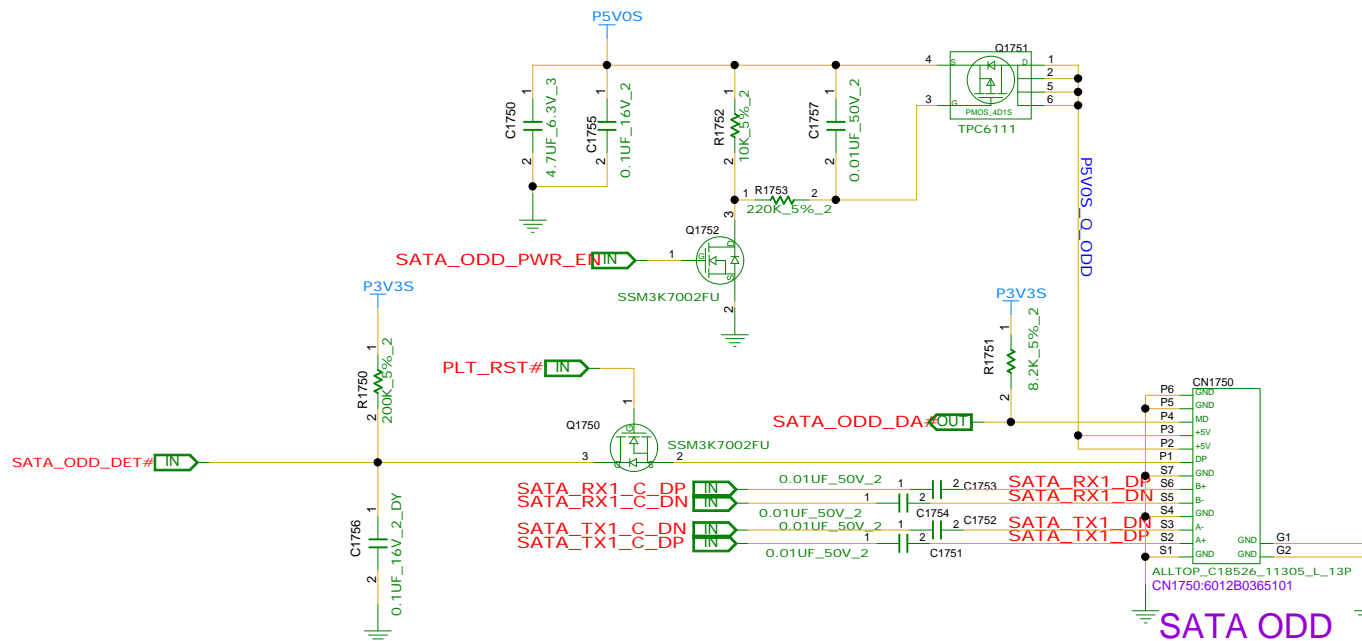
REFERENCE NUMBER:3400~3499

INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION EDP TO LVDS			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
SHEET 44 of 73			

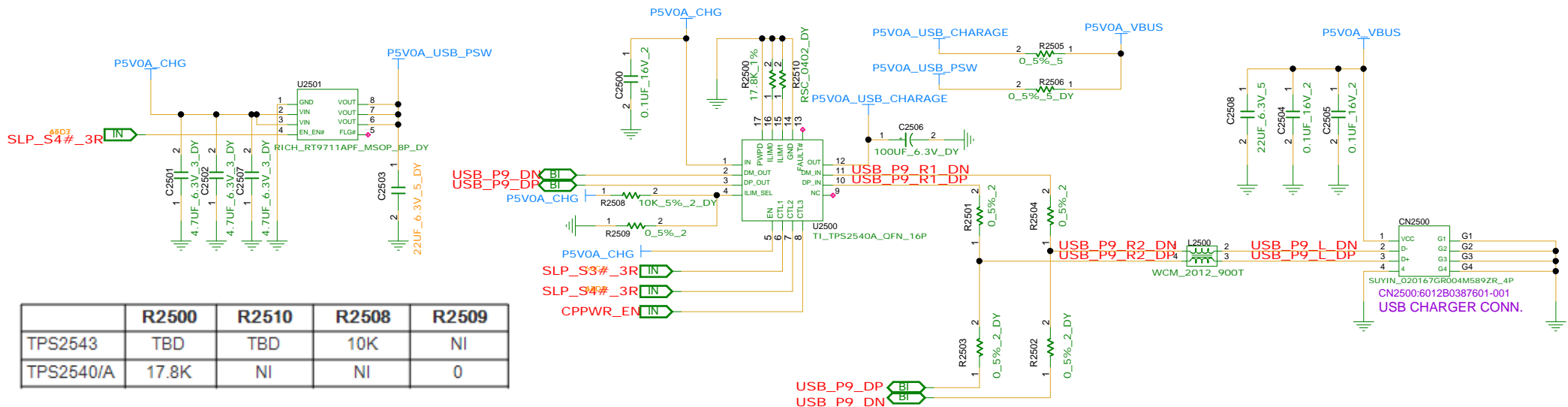


REFERENCE NUMBER:1700~1749

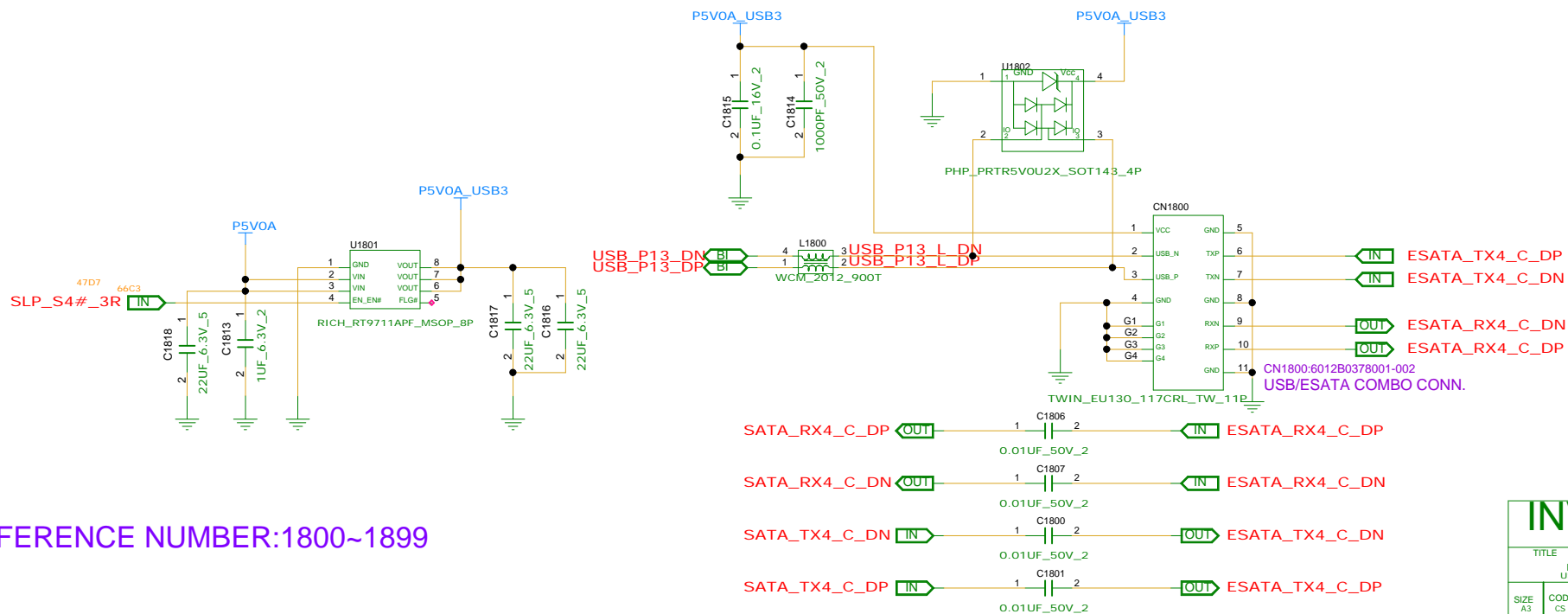


REFERENCE NUMBER:1750~1799

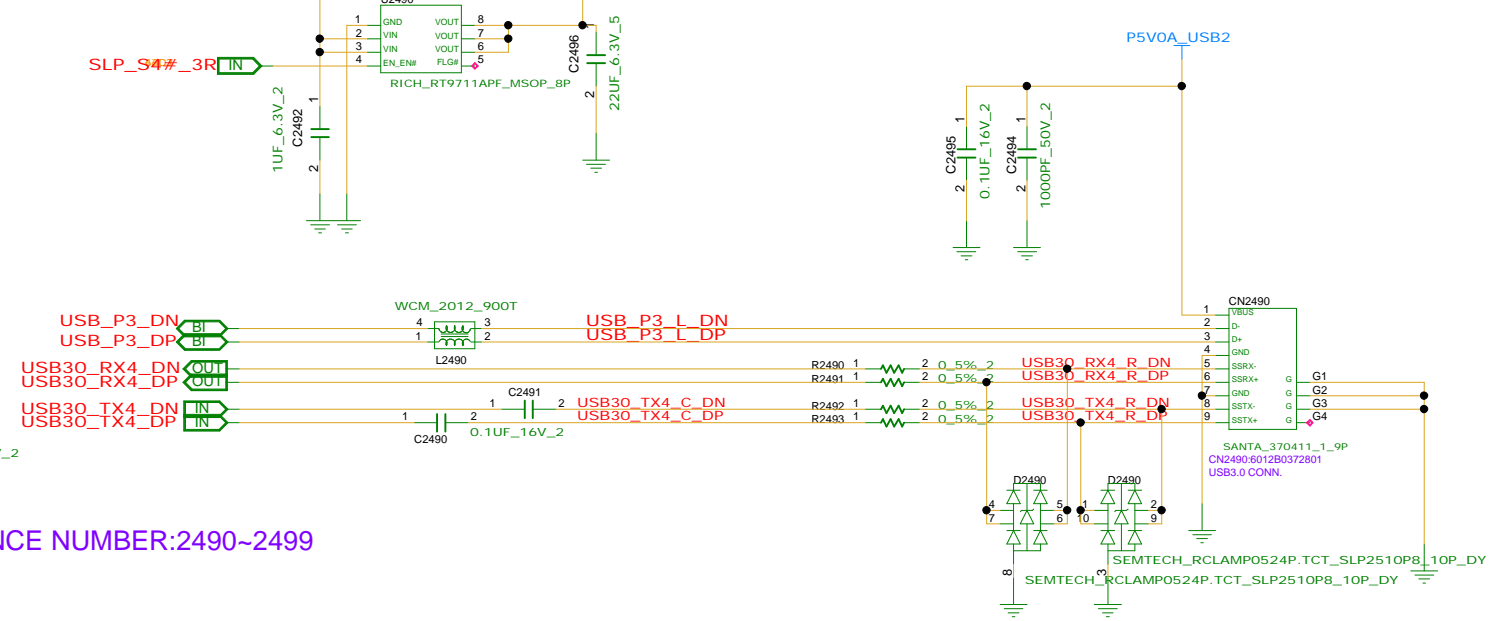
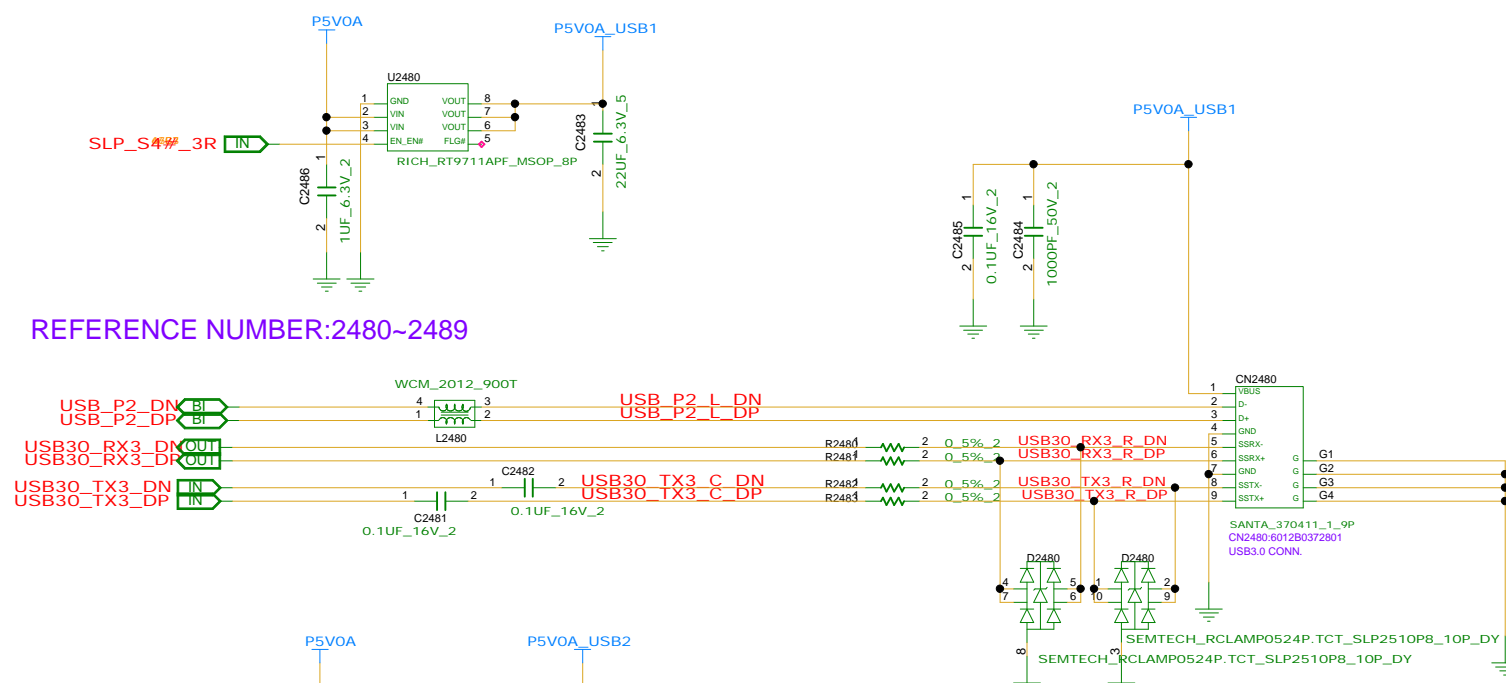
INVENTEC			
TITLE			
MODEL, PROJECT, FUNCTION SATA HDD & ODD CNTR			
SIZE A3	CODE CS	DOC. NUMBER 1310xxxxxx-0-0	REV X01
SHEET 45 of 73			



REFERENCE NUMBER:2500~2599

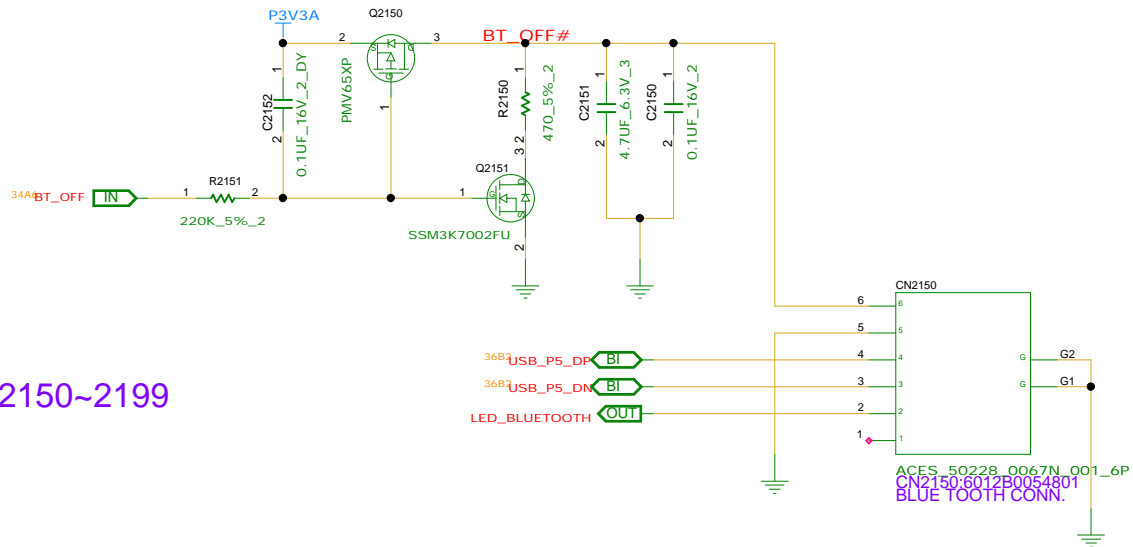


REFERENCE NUMBER:1800~1899

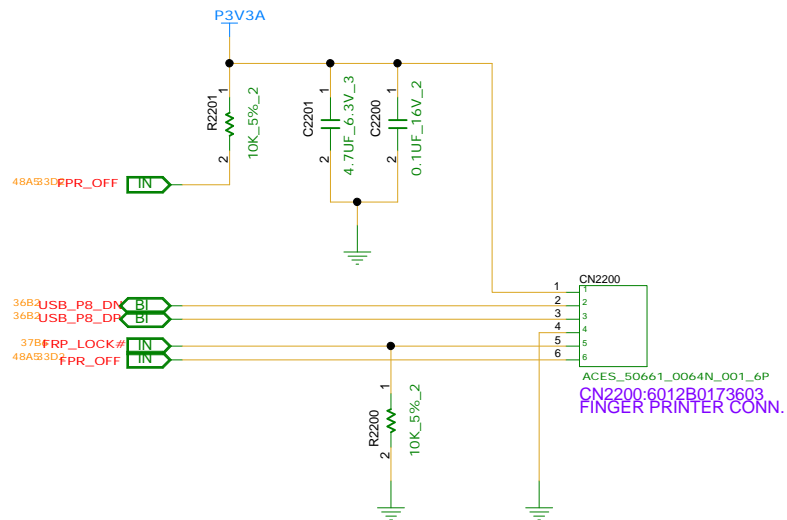


INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
USB_CONN			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 47 of 73			

REFERENCE:2150~2199



REFERENCE:2200~2249



INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
BLUE TOOTH & FINGER PRINTER CNTR			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

D

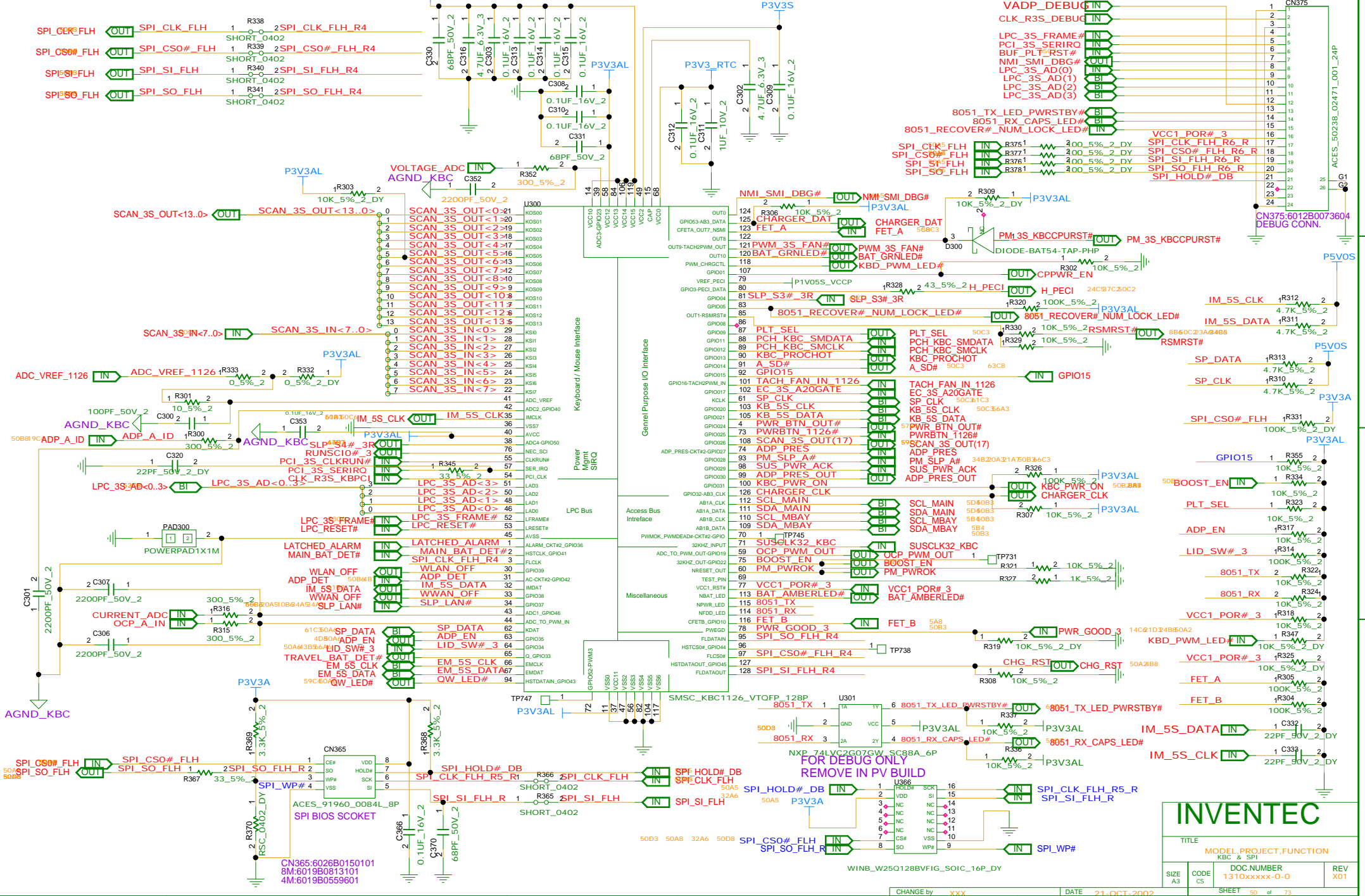


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CHANGE by	XXX	DATE	21-OCT-2002	SHEET	49	of	73
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REFERENCE NUMBER : 300~399



INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
KBC & SPI			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 50 of 73			

REFERENCE NUMER : 300~389

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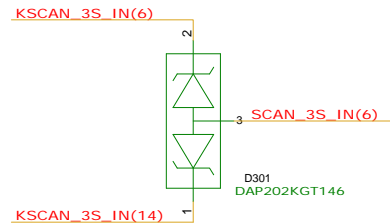
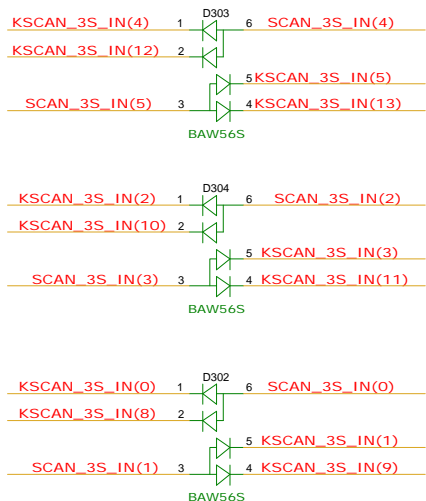
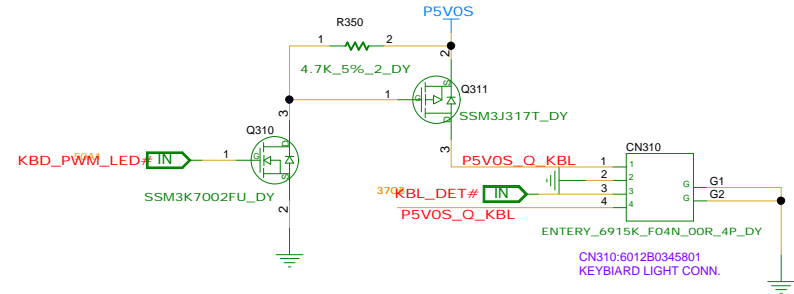
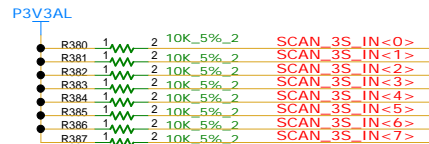
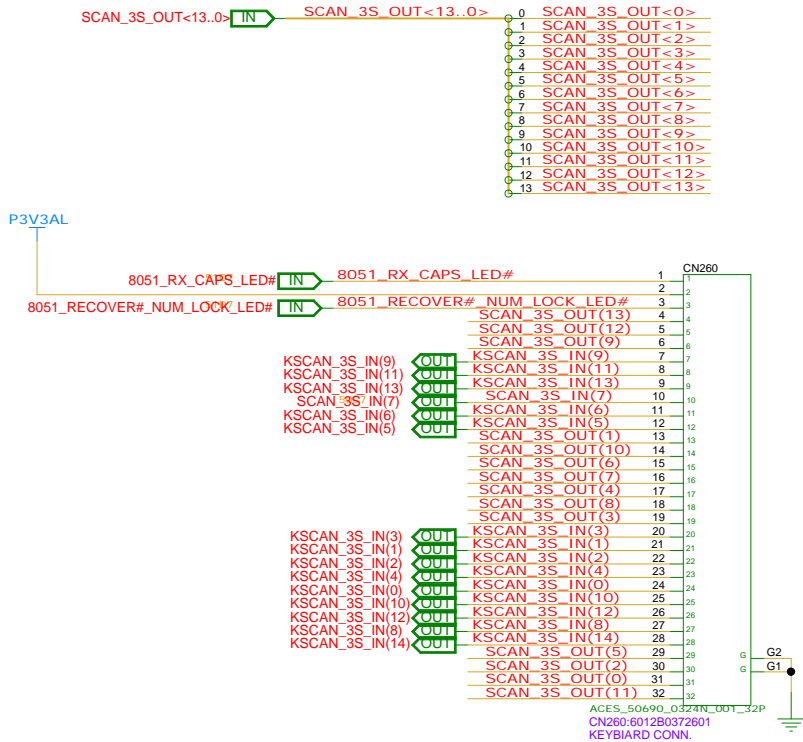
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INVENTEC

TITLE

MODEL,PROJECT,FUNCTION

KEYBOARD

SIZE A3

CODE CS

DOC NUMBER 1310xxxxx-0-0

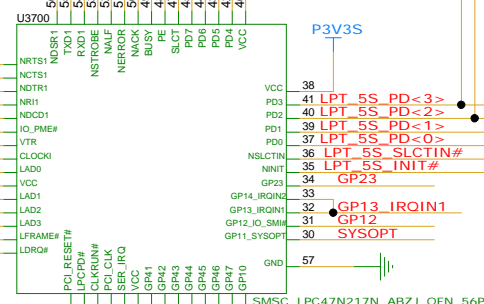
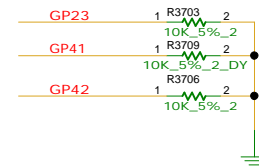
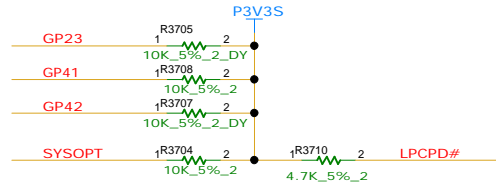
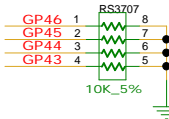
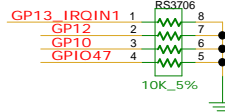
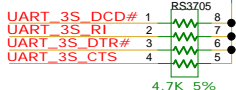
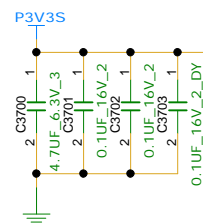
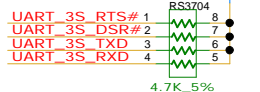
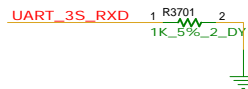
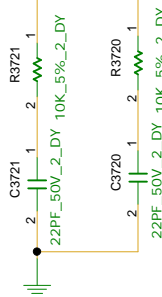
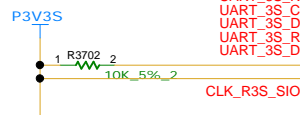
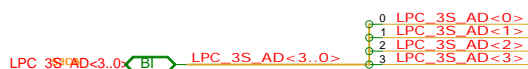
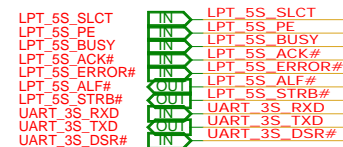
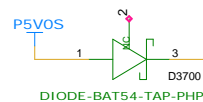
REV X01

CHANGE by XXX

DATE 21-OCT-2002

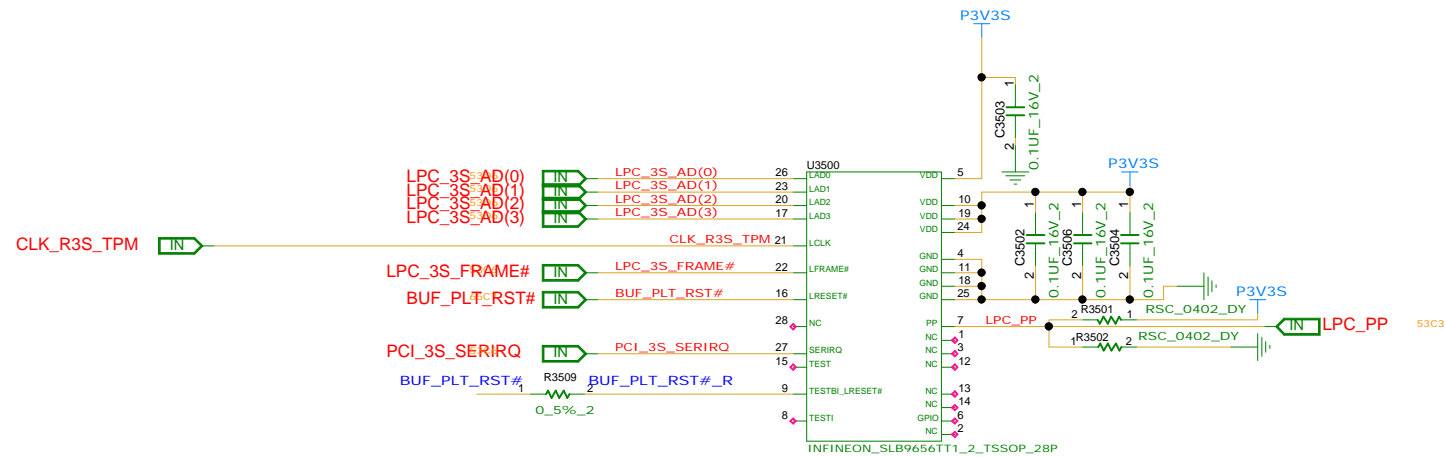
SHEET 51 of 73

REFERENCE NUMER : 3700~3799



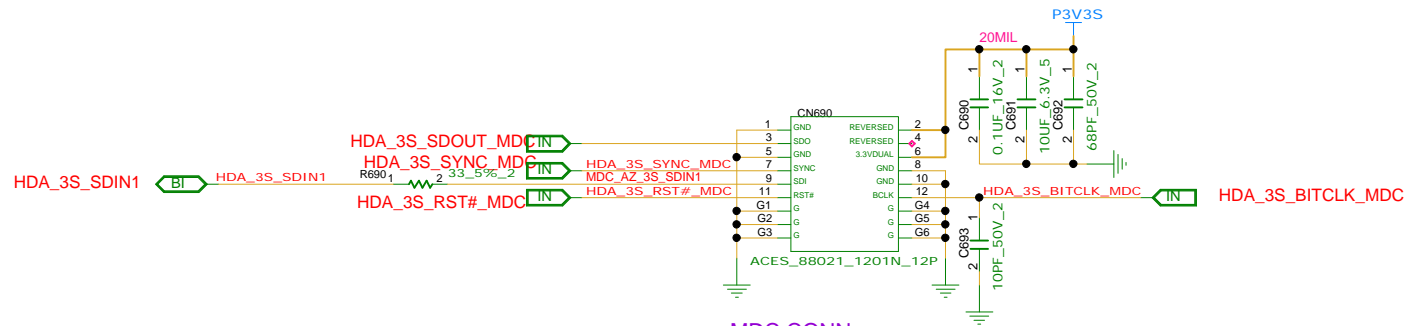
INVENTEC			
TITLE			
MODEL, PROJECT, FUNCTION			
SUPER I/O			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

REFERENCE NUMER : 3500~3549



TPM1.2

REFERENCE NUMER : 650~699



MDC CONN.
CN690:6012B0126901

INVENTEC

TITLE			
MODEL, PROJECT, FUNCTION			
TPM & MDC			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 53 of 73			

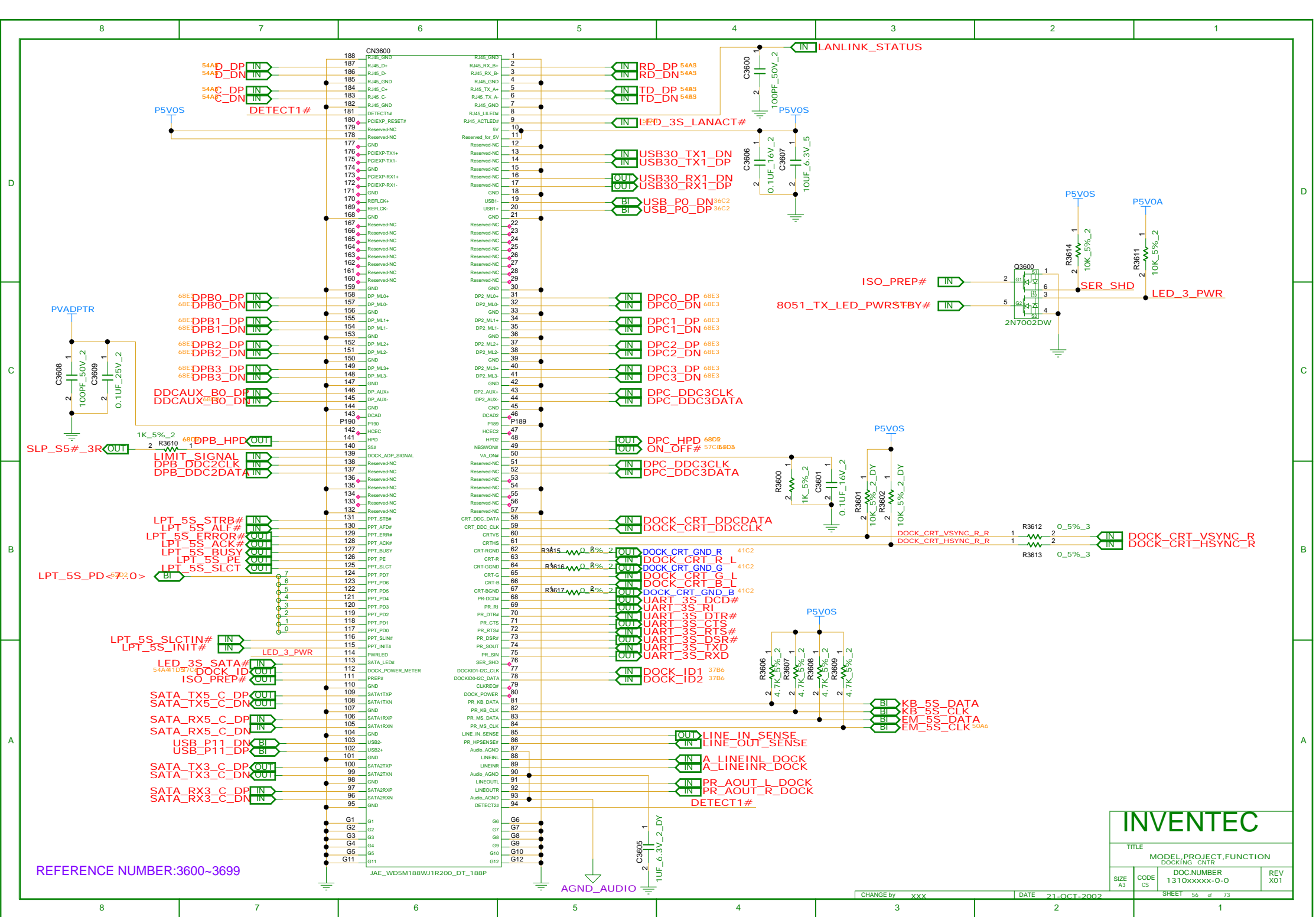
D

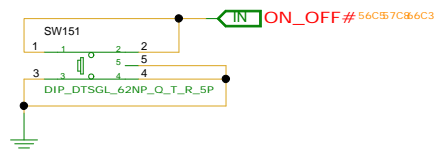


B

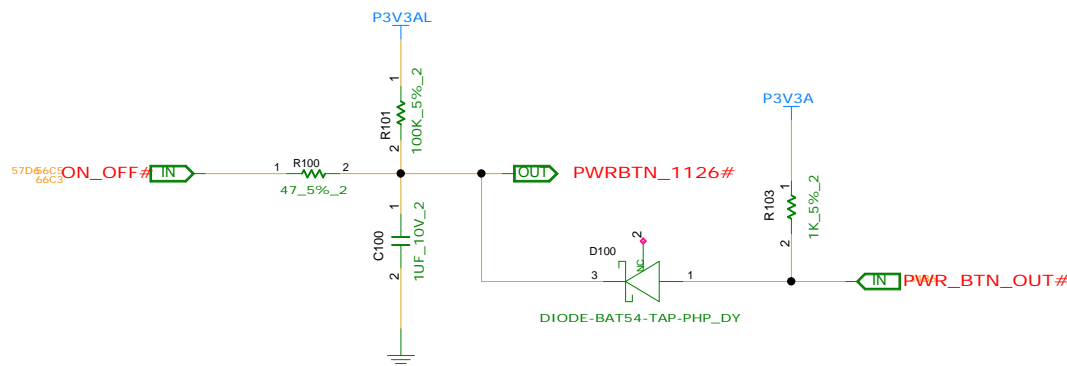
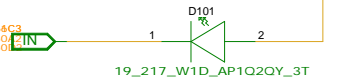


LAYOUT NOTE:
TO PLACE ONE 0.1UF AT EACH PIN 1 , 4 , 7 , 10
AND PLACE THE 1UF IN THE SPOT THAT
IS AS CLOSE AS POSSIBLE TO ALL 4 PINS

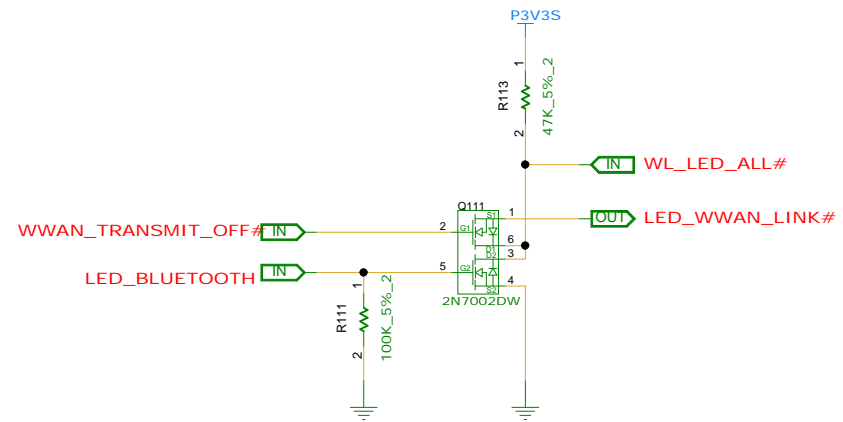




8051_TX_LED_PWRSTBY#



POWER / STANDBY LED

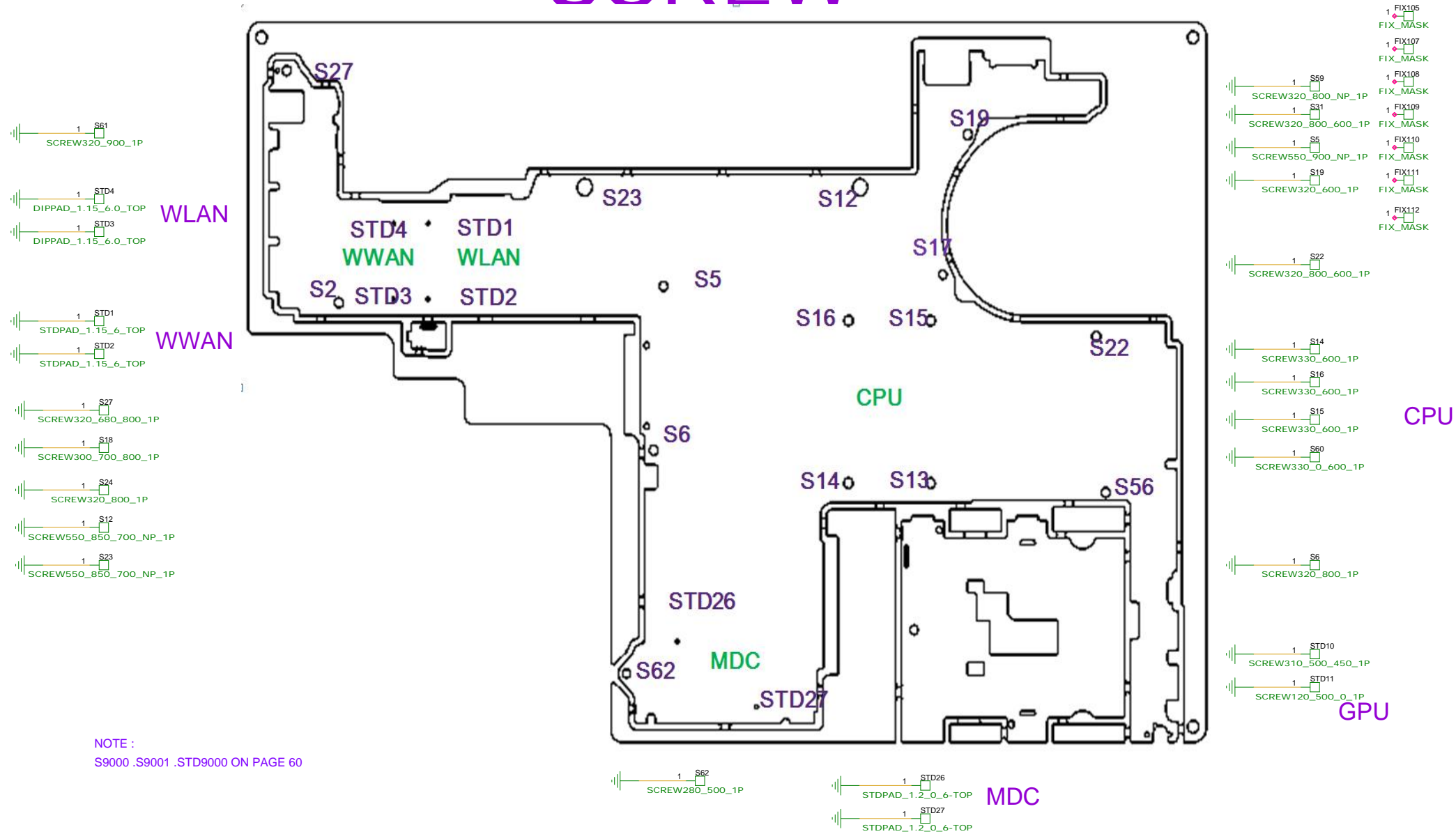


WLAN_WWAN_BLUETOOTH_LED

REFERENCE NUMBER:100~199

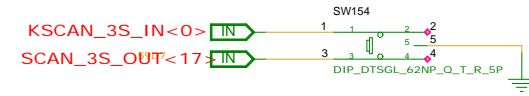
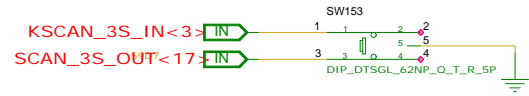
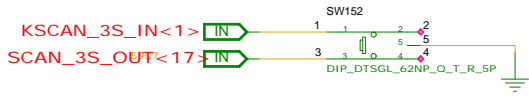
INVENTEC			
TITLE			
MODEL PROJECT FUNCTION POWER & WLAN_LED			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01

SCREW

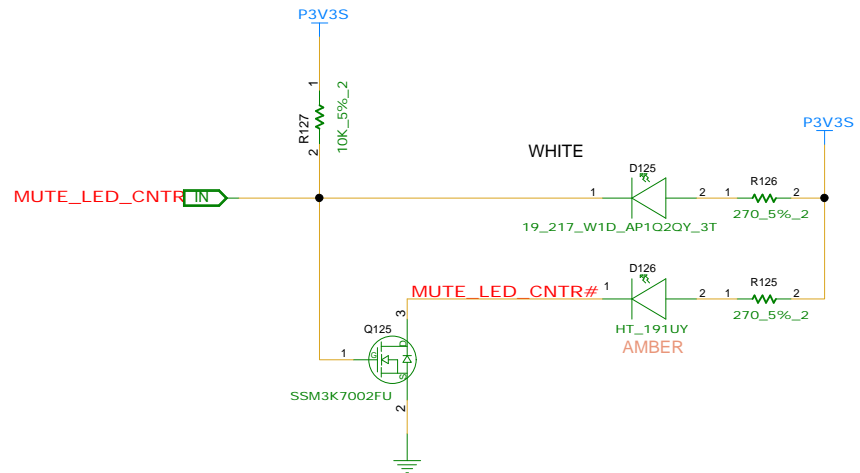
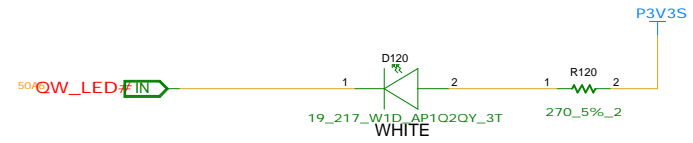
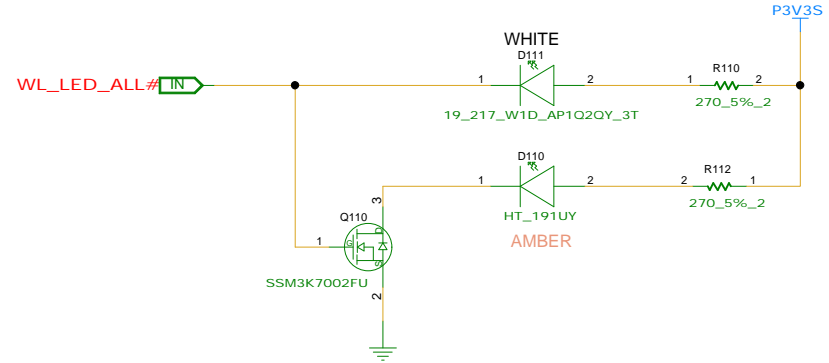


INVENTEC

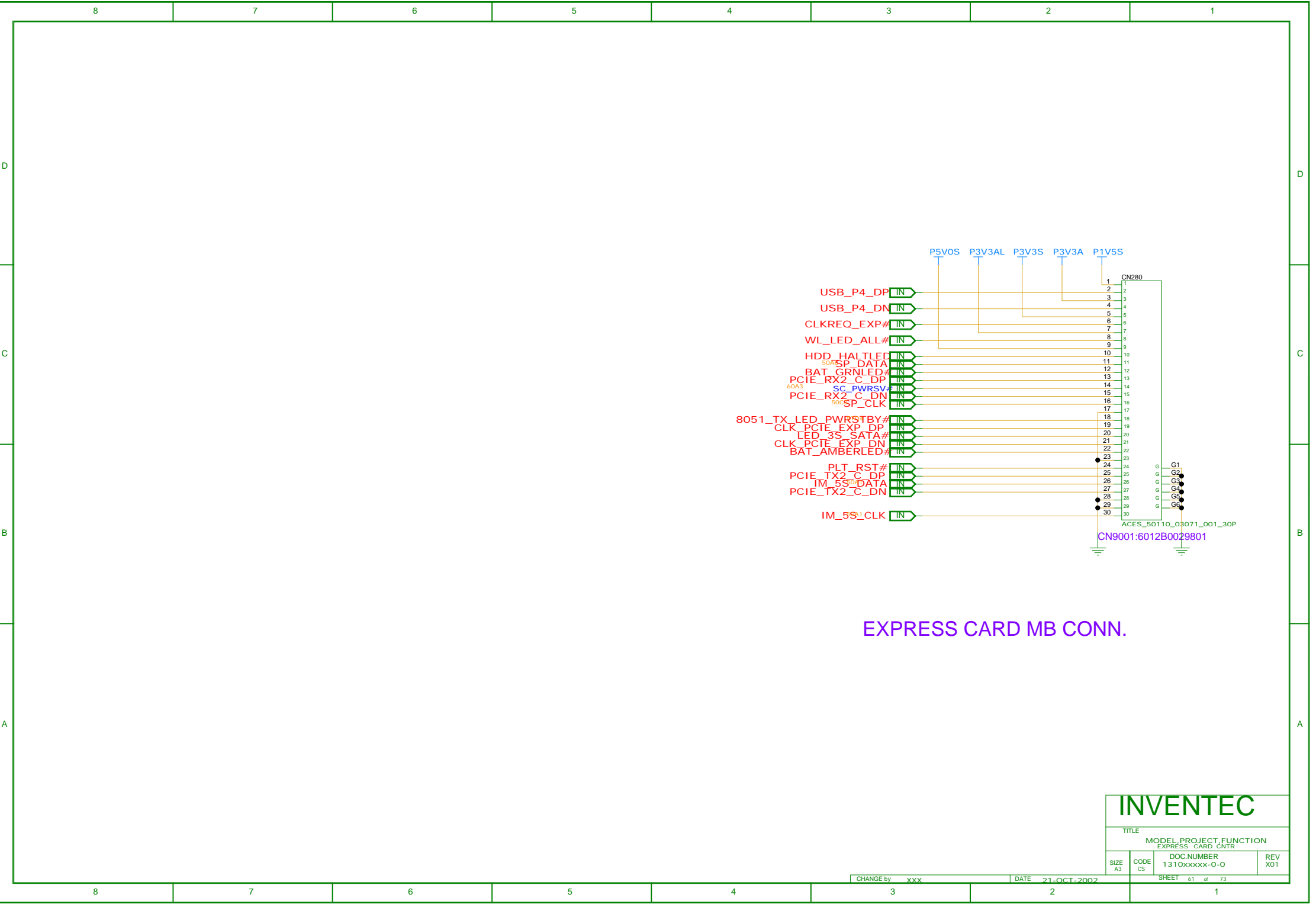
TITLE			
MODEL,PROJECT,FUNCTION SCREW			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
SHEET 58 of 73			



REFERENCE NUMBER:100~199



INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
WIRELESS / QUICK WEB / MUTE LED			
DOC NUMBER		REV	
1310xxxxx-0-0		X01	
SIZE	CODE	SHEET	
A3	CS	59 of 73	



EXPRESS CARD MB CONN.

INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
EXPRESS CARD CNTR			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 61 of 73			

BLANK

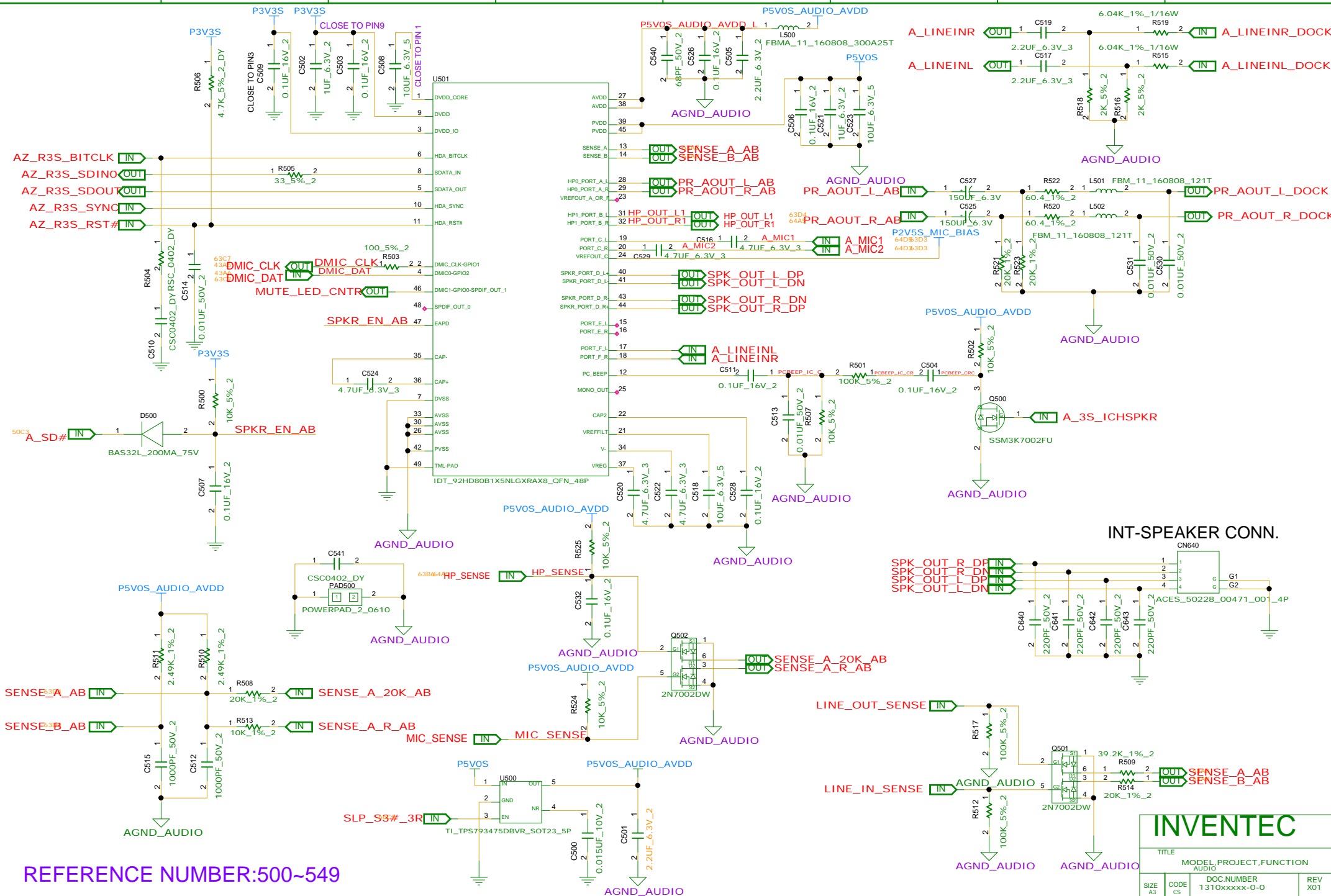
INVENTEC

TITLE
MODEL, PROJECT, FUNCTION

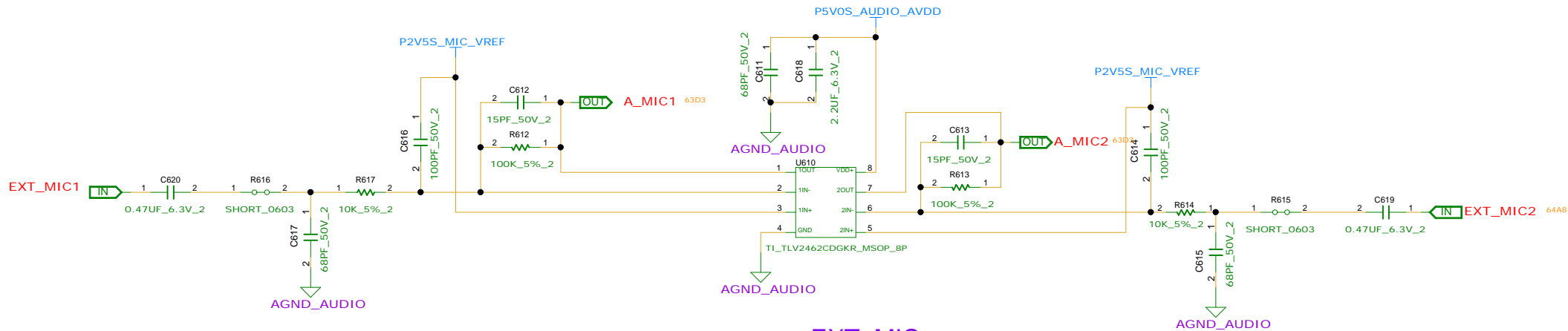
SIZE A3	CODE CS	DOC. NUMBER 1310xxxxx-0-0	REV X01
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CHANGE by XXX DATE 21-OCT-2002

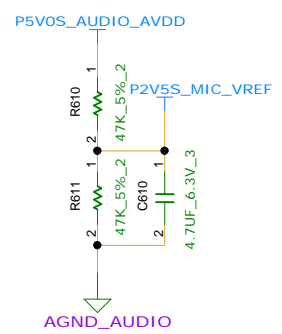
SHEET 62 of 73



INVENTEC			
TITLE			
MODEL, PROJECT, FUNCTION			
AUDIO			
SIZE A3	CODE CS	DOC. NUMBER 1310xxxxx-0-0	REV X01
SHEET 62 OF 72			

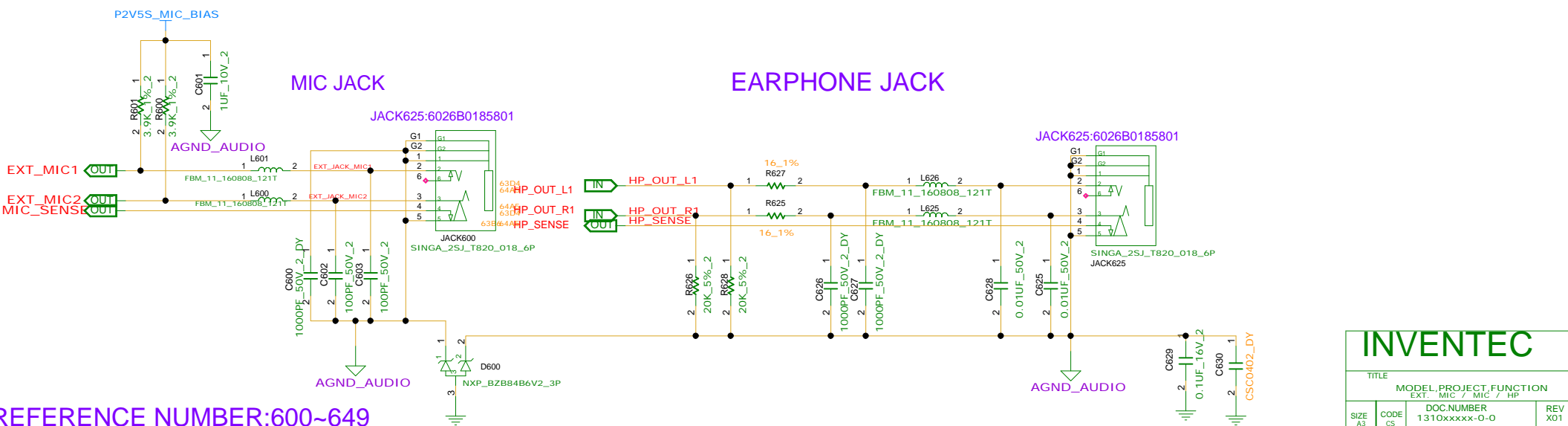


EXT. MIC
REFERENCE NUMBER:610~624



MIC JACK

EARPHONE JACK



REFERENCE NUMBER:600~649

INVENTEC			
TITLE			
MODEL, PROJECT, FUNCTION			
EXT. MIC / MIC / HP			
DOC. NUMBER			
1310xxxxx-0-0			
REV			
X01			
SIZE	CODE	DATE	
A3	CS	21-OCT-2002	
CHANGE by		XXX	
SHEET		64	of 73

REFERENCE NUMBER:800~899

SD/MMC CONN

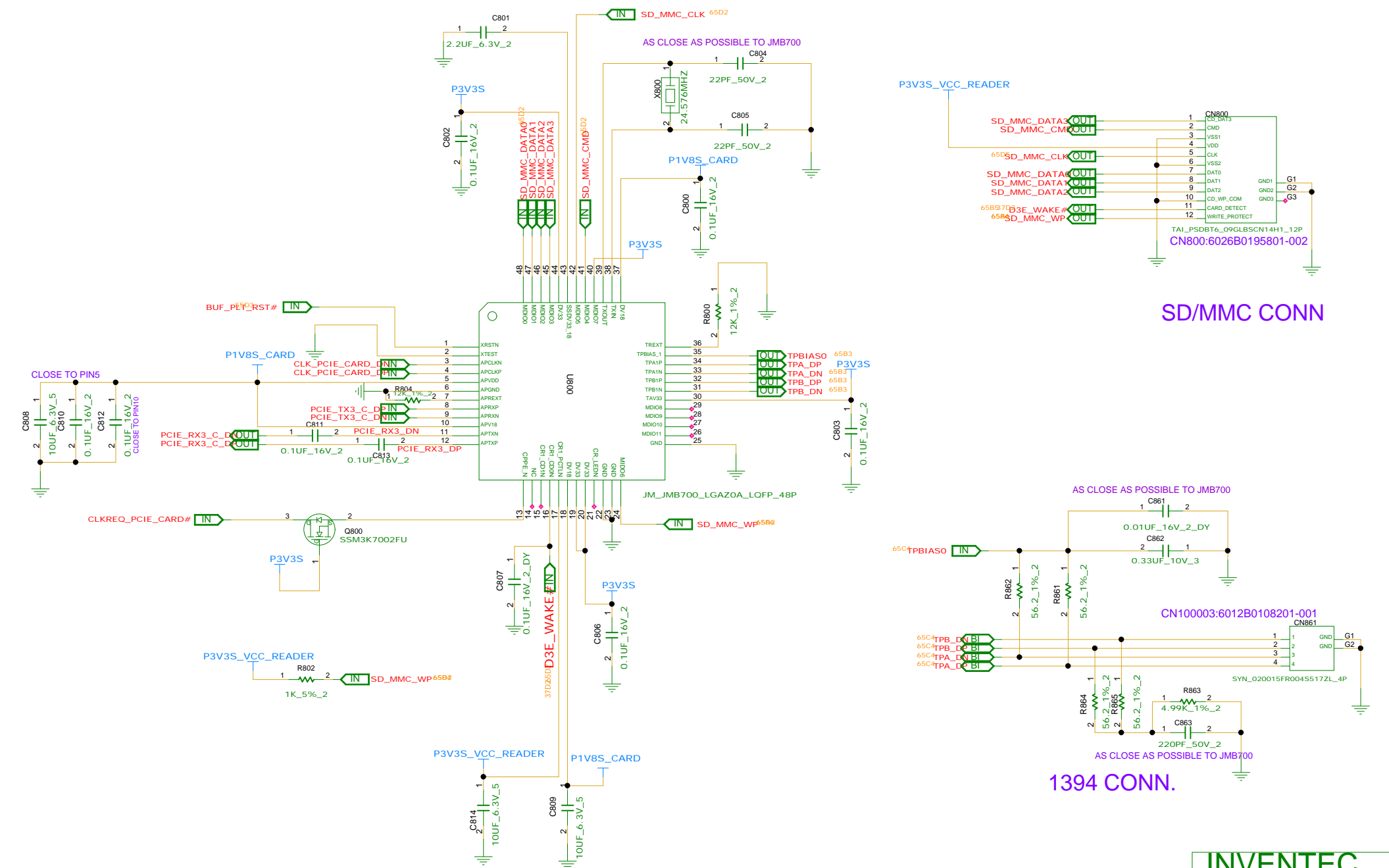
1394 CONN.

INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
CARD READER CTRL / 1394 CONN / SD CONN			
SIZE		DOC NUMBER	
A3	CS	1310xxxxx-0-0	REV X01

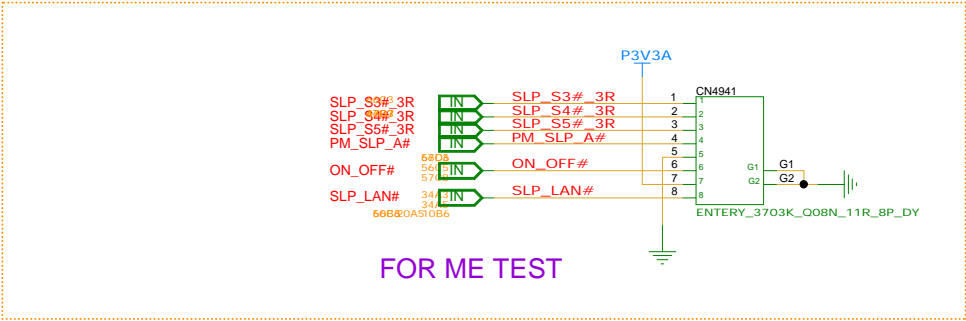
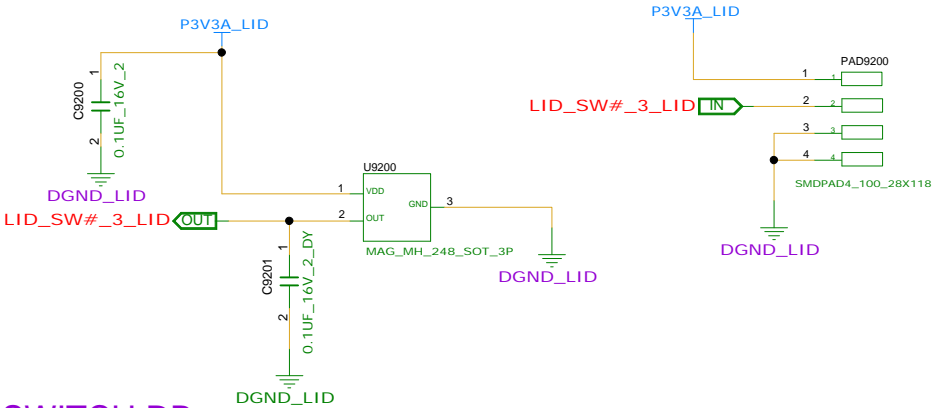
CHANGE by XXX DATE 21-OCT-2002

SHEET 65 of 73

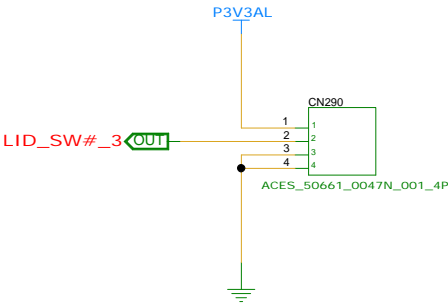


LID SWITCH DB

REFERENCE NUMBER:9200~9299



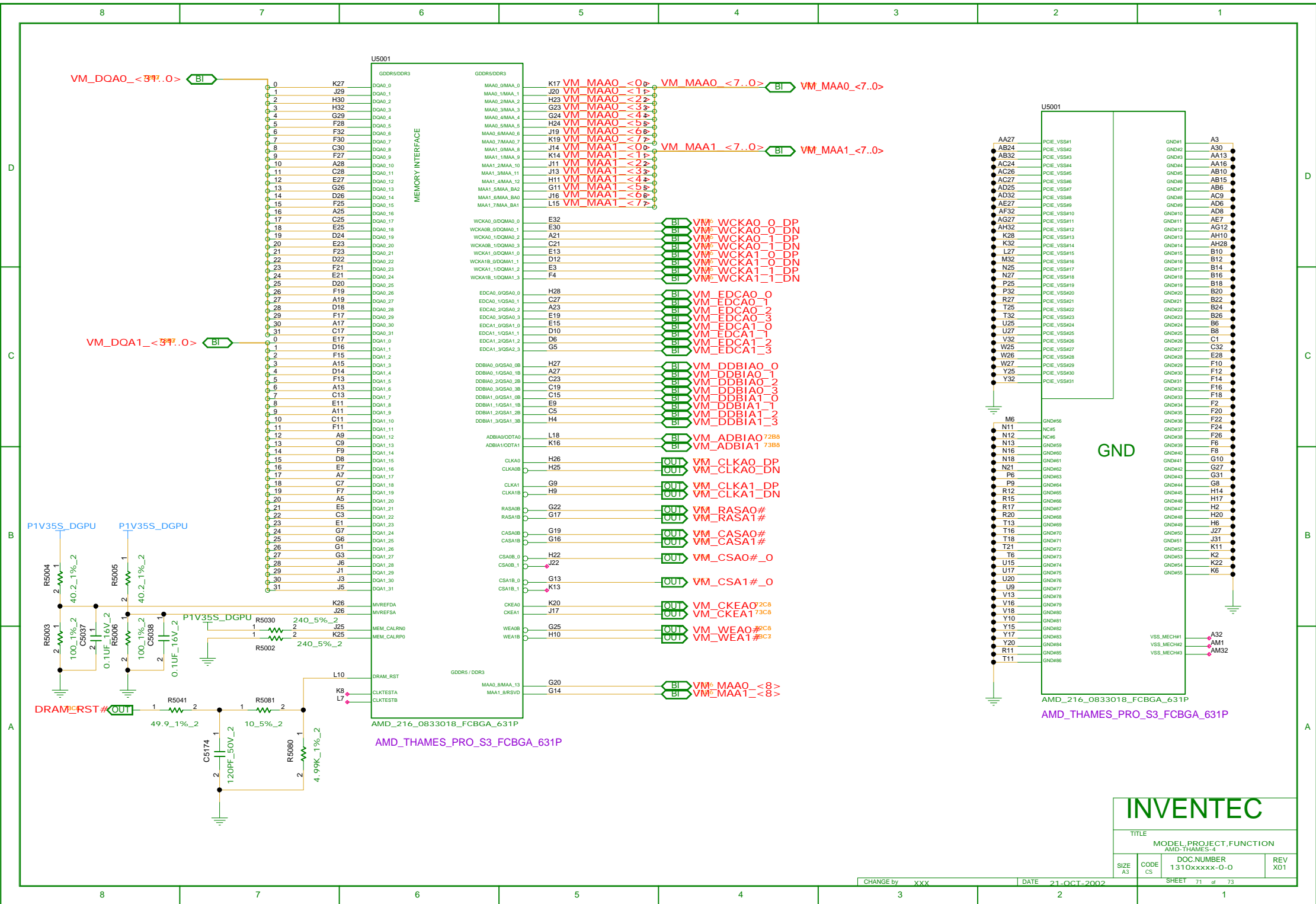
FOR ME TEST

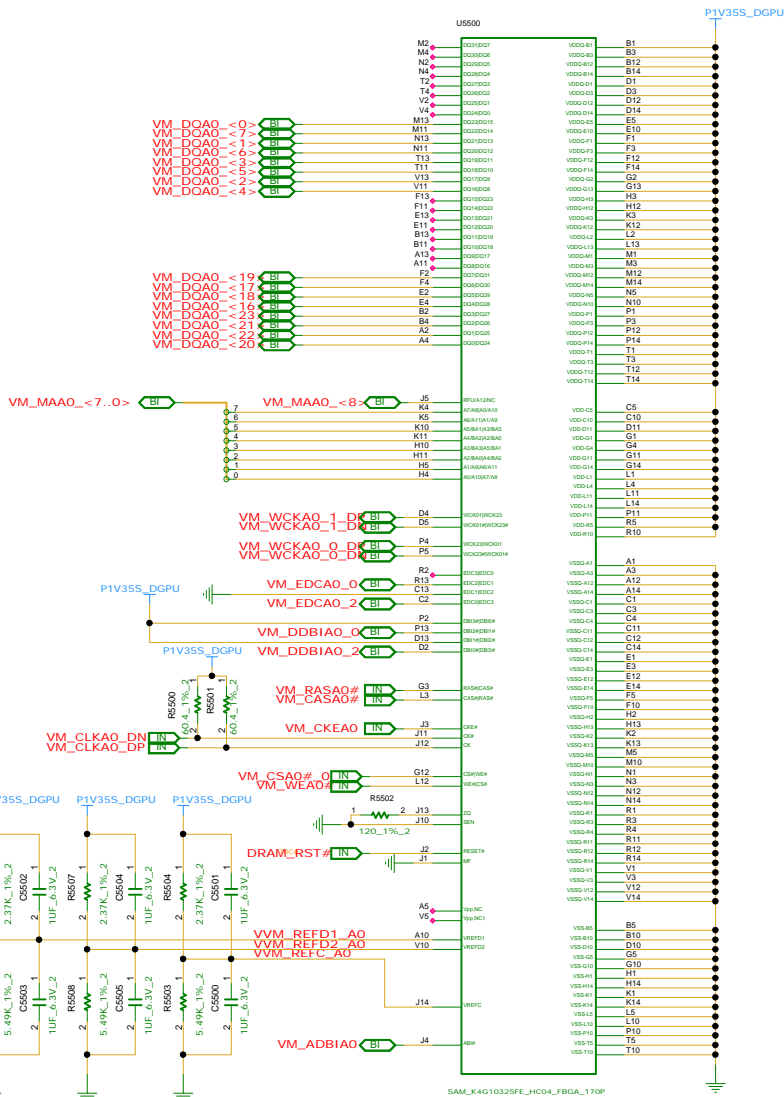


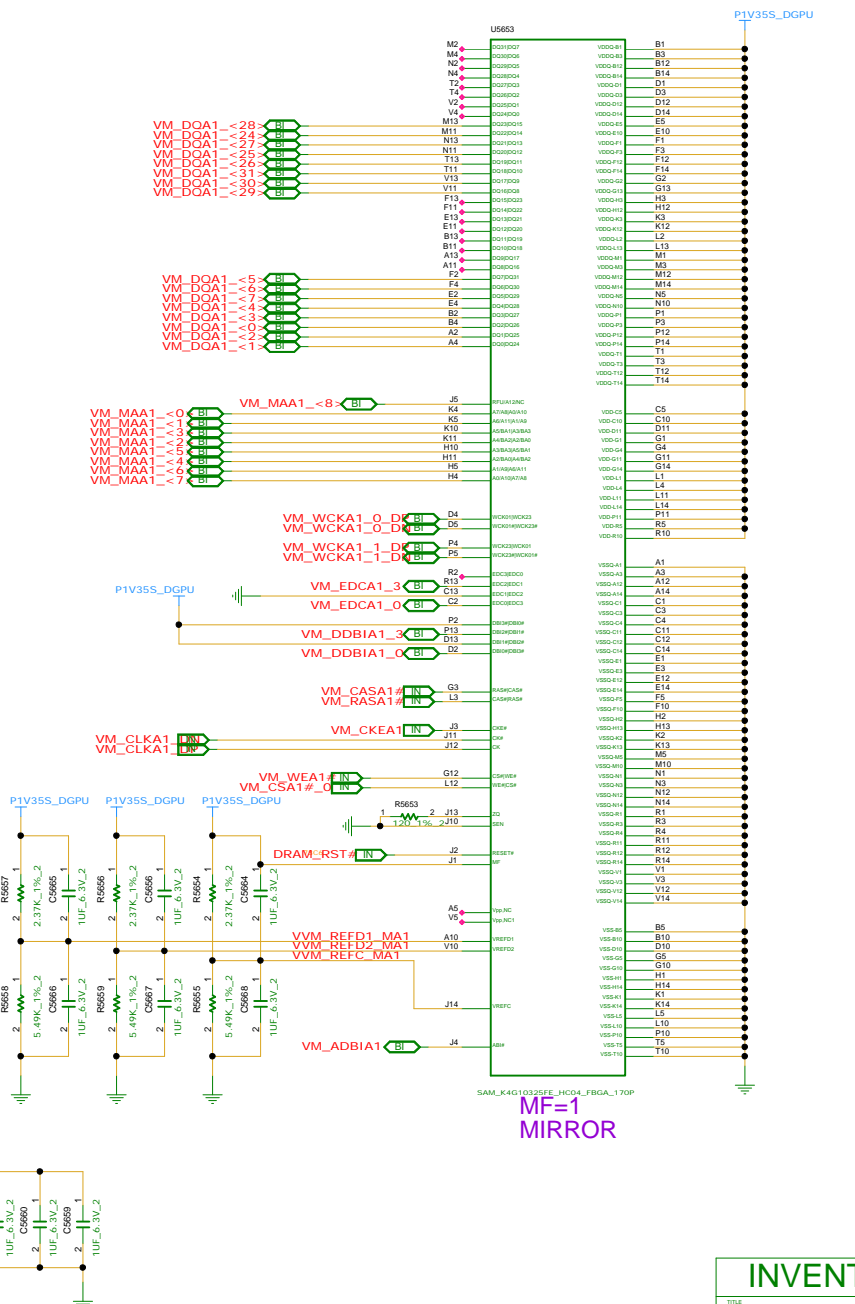
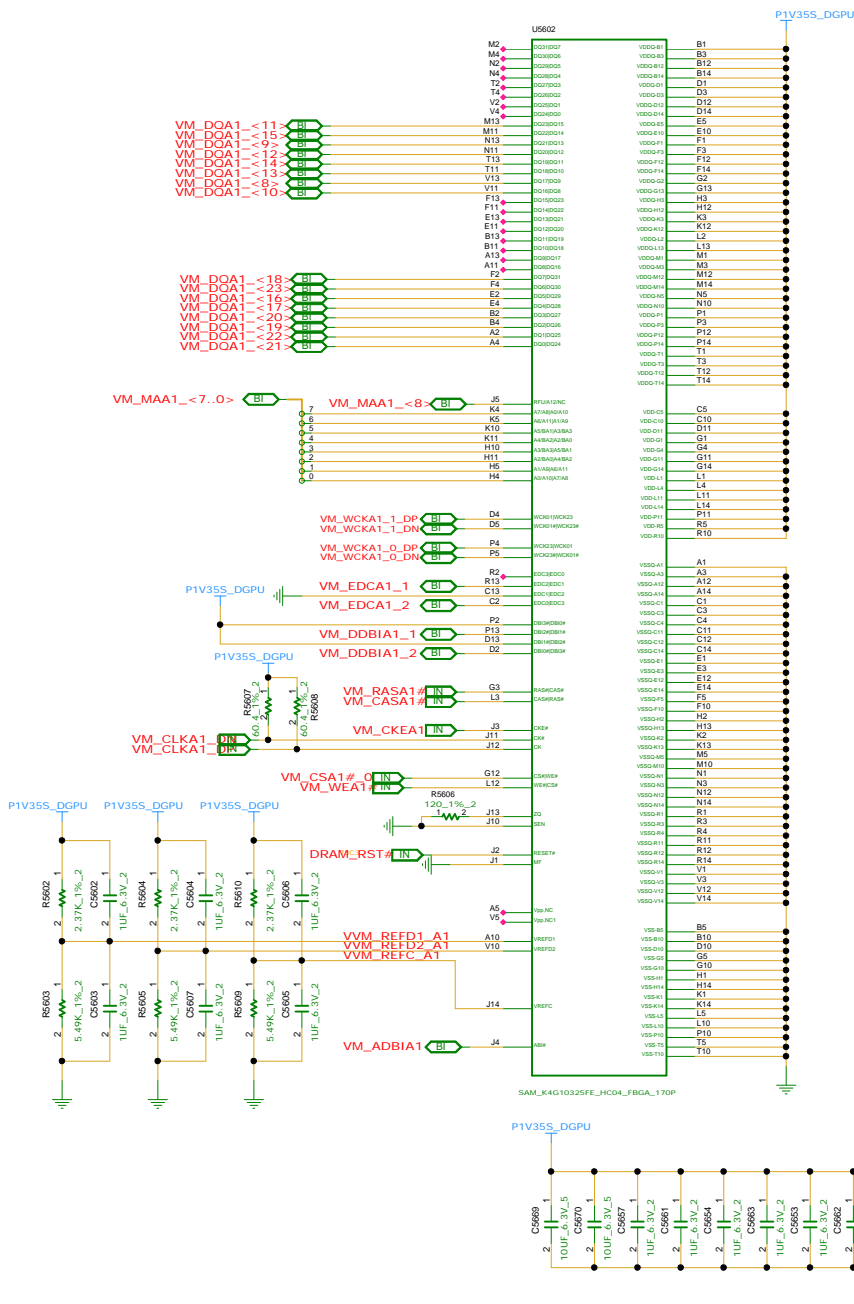
LID SWITCH MB CONN.

INVENTEC

TITLE			
MODEL PROJECT,FUNCTION			
LID SWITCH			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01







MF=1
MIRROR