

8 7 6 5 4 3 2 1
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F HSF Property: ROHS or Halogen-Free(5L3?)

BANDIT
DB BUILD

2011.12.13

21-OCT-2002		
DATE		

<http://sualaptop365.edu.vn>

	EE	DATE	POWER	DATE	INVENTEC			
DRAWER					TITLE			
DESIGN					MODEL, PROJECT, FUNCTION			
CHECK					PROJECT NAME			
RESPONSIBLE								
SIZE				VER:	SIZE	CODE	DOC NUMBER	REV
FILE NAME					C	CS	1310xxxxx-0-0	X01
PIN					SHEET			

TABLE OF CONTENTS

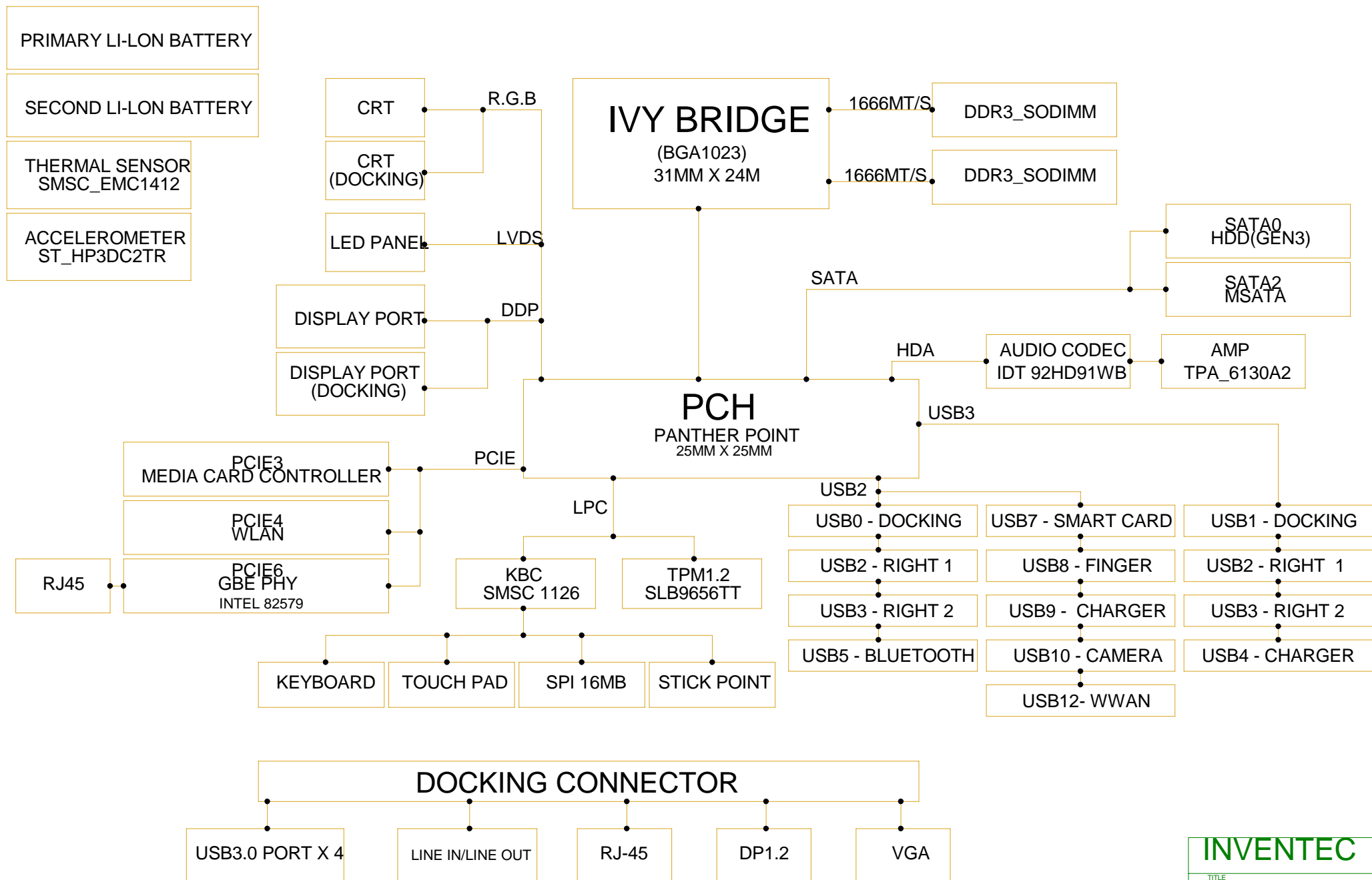
1. PROJECT NAME	18. IVY BRIDGE_1 (CLK,MISC,JTAG)	42. KEYBOARD
2. TABLE OF CONTENTS	19. IVY BRIDGE_2 (POWER)	43. TPM
3. BLOCK DIAGRAM	20. IVY BRIDGE_3 (DMI,DP,PEG,FDI)	44. LAN INTERFACE
4. SYSTEM POWER FLOW	21. IVY BRIDGE_4 (DDR3)	45. LAN RJ45 CNTR
5. SYSTEM POWER(CHARGER)	22. IVY BRIDGE_5 (GRAPHICS POWER)	46. WWAN & WLAN & SIM
6. SYSTEM POWER(BATT SELECTOR)	23. IVY BRIDGE_6 (GND,RESERVED)	47. DOCKING CNTR
7. SYSTEM POWER(OCP)	24. DDR3_SO-DIMM0	48. WLAN / WWAN / BT LED
8. SYSTEM POWER(P3V3A&P5V0A)	25. DDR3_SO-DIMM1	49. WIRELESS / QUICK WEB / MUTE LED
9. P3V3A&P5V0A_CHG PORT	26. PANTER POINT_1 (HDA,JTAG,SPI,SATA)	50. SMART CARD
10. SYSTEM POWER(P1V5)	27. PANTER POINT_2 (PCI-E,SMBUS,CLK)	51. LED BOARD
11. SYSTEM POWER(P1V05M)	28. PANTER POINT_3 (DMI,FDI,GPIO)	52. CODEC
12. SYSTEM POWER(P1V05S_VCCP)	29. PANTER POINT_4 (LVDS,DDI)	53. MIC & HEARPHONE JACK
13. SYSTEM POWER(P1V8S)	30. PANTER POINT_5 (PCI,USB,NVRAM)	54. CARD READER
14. SYSTEM POWER(PVSA)	31. PANTER POINT_6 (GPIO,VSS_NCFT,RSVD)	55. EMI
15. SYSTEM POWER(PVCORE1)	32. PANTER POINT_7 (POWER)	56. SCREW
16. SYSTEM POWER(PVCORE2)	33. PANTER POINT_8 (POWER)	
17. POWER PAD	34. PANTER POINT_9 (GND)	
18. POWER(SLEEP)	35. CRT / DISPLAY PORT CNTR	
19. POWER(SEQUENCE)	36. LCM & WEBCAM	
16. FAN & THERMAL	37. SATA & MSATA CNTR	
17. XDP CONN	38. USB & USB CHARGER	
	39. FINGER PRINTER CNTR	
	40. ACCELEMETOR	
	41. KBC / SPI	

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TITLE
MODEL PROJECT FUNCTION
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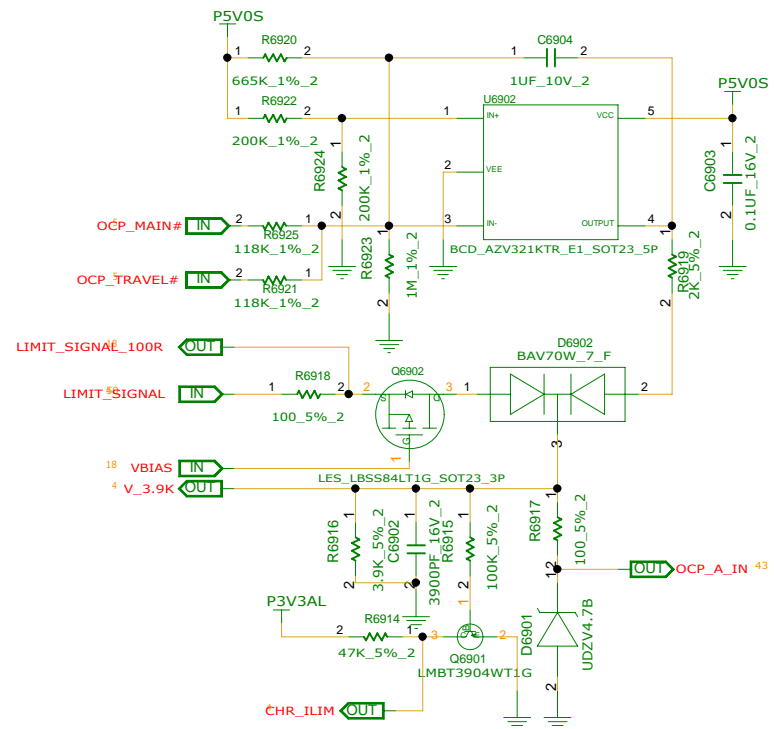
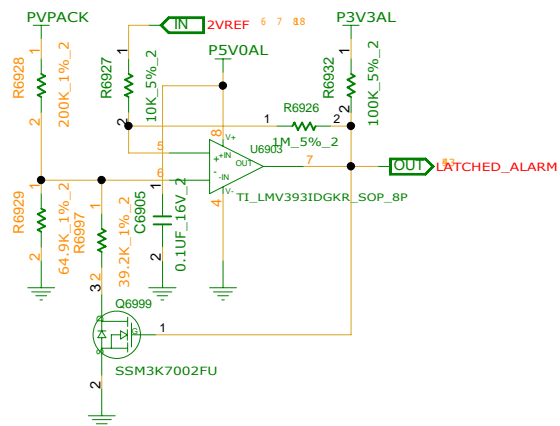
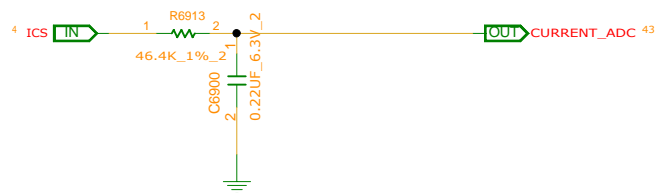
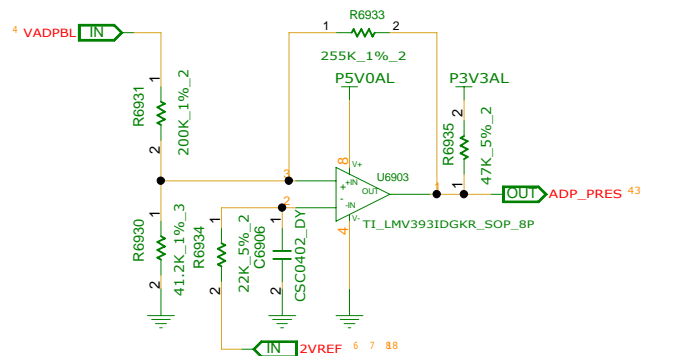
CHANGE by XXX DATE 16-MAR-2011



INVENTEC

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

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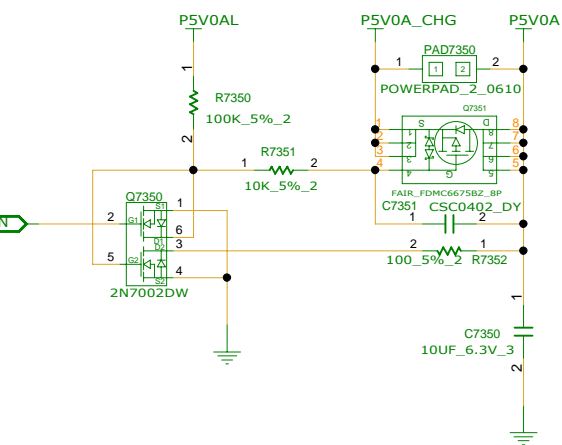
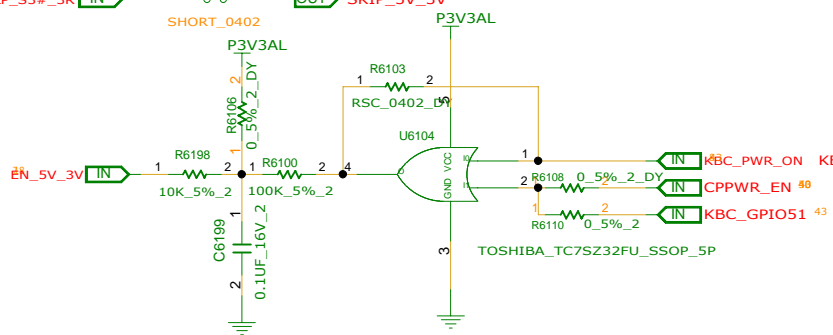
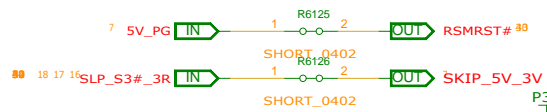
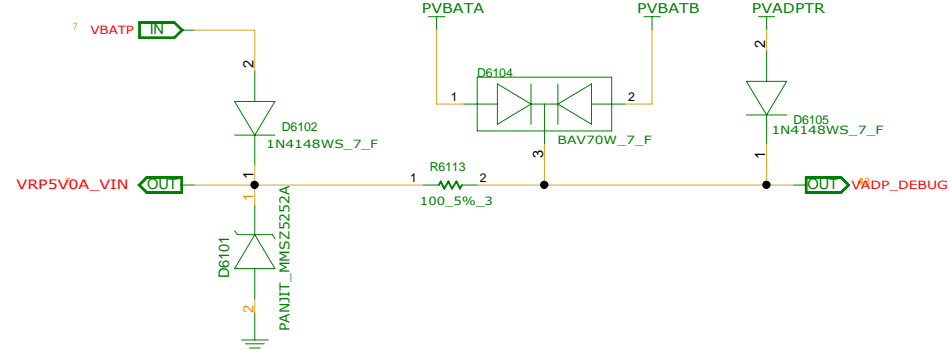
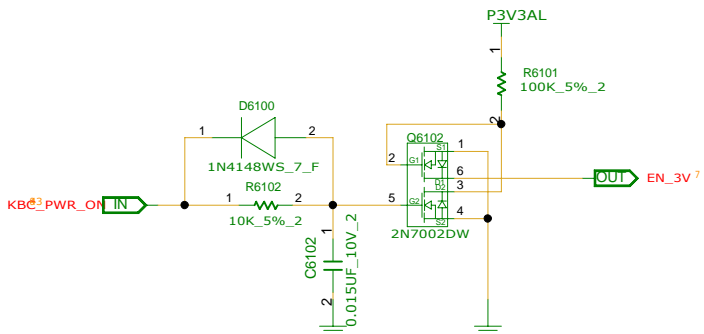
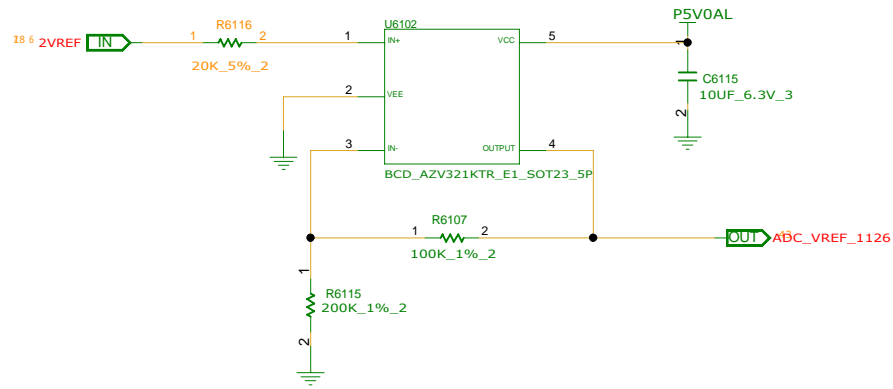
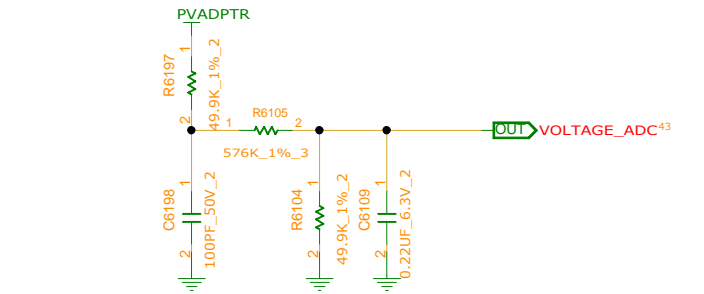
TITLE
MODEL,PROJECT,FUNCTION
Block Diagram

DOC NUMBER
1310xxxxx-0-0

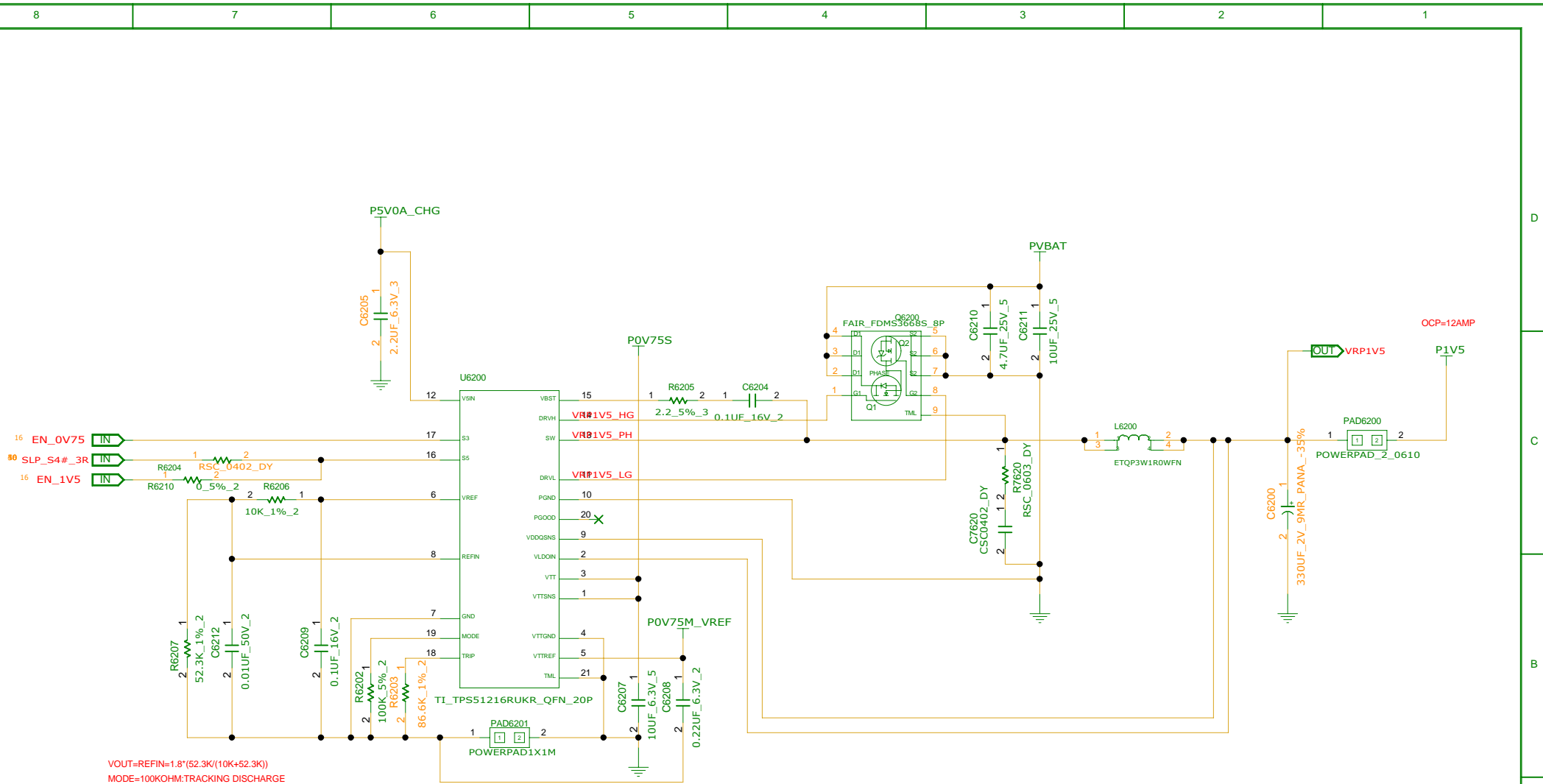
REV
X01

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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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VOUT=REFIN=1.8*(52.3K/(10K+52.3K))
MODE=100KOHM:TRACKING DISCHARGE

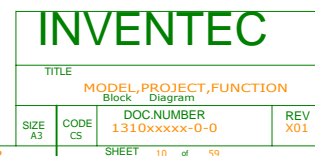
Table 1. S3/S5 Power State Control

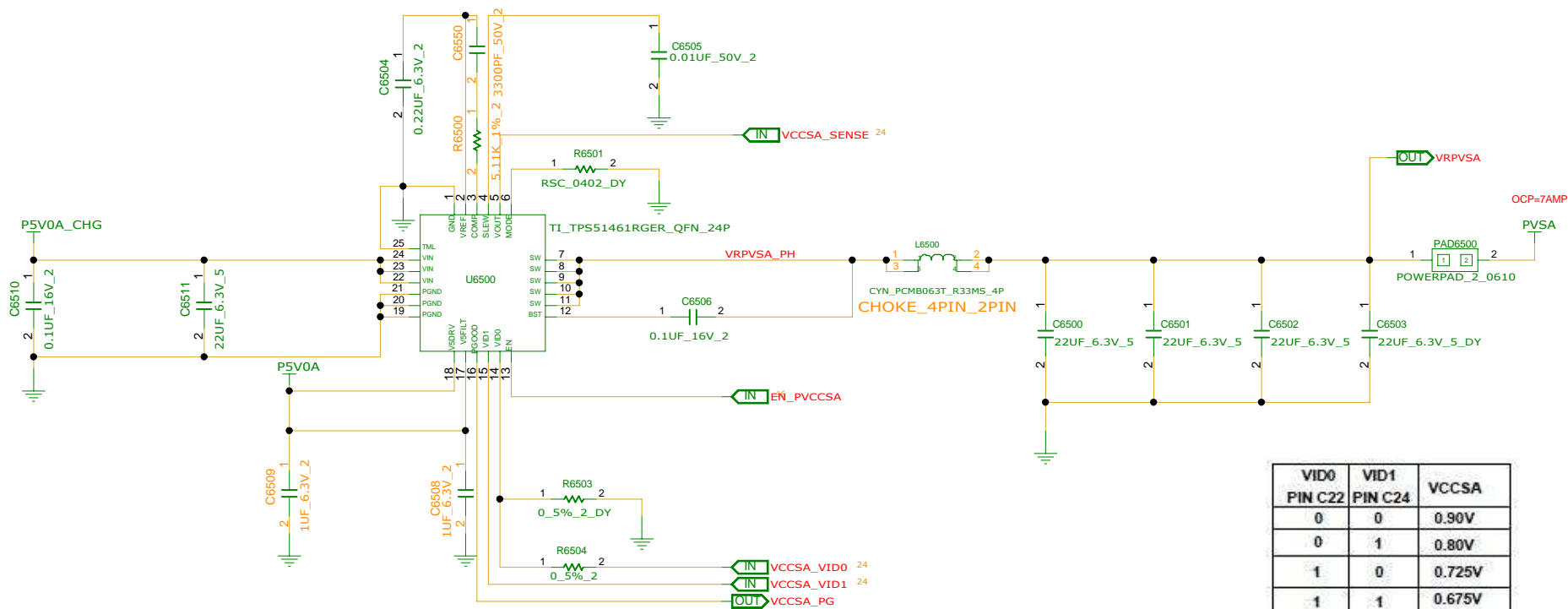
STATE	S3	S5	VREF	VDDQ	VTTREF	VTT
S0	HI	HI	ON	ON	ON	ON
S3	LO	HI	ON	ON	ON	OFF(High-Z)
S4/S5	LO	LO	OFF	OFF(Discharge)	OFF(Discharge)	OFF(Discharge)

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TITLE			
MODEL,PROJECT,FUNCTION			
SIZE	CODE	DOC NUMBER	REV
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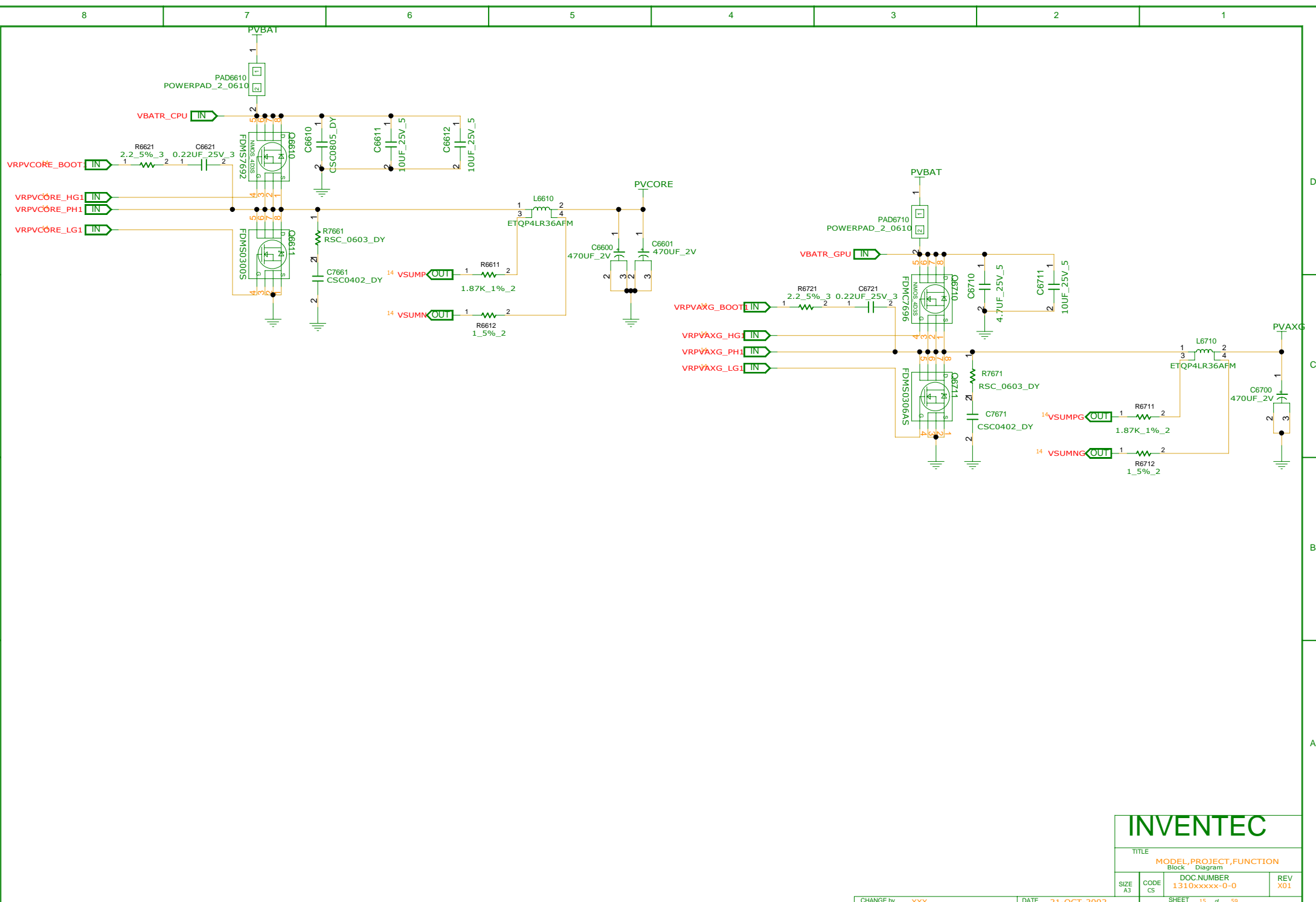
VID0 PIN C22	VID1 PIN C24	VCCSA
0	0	0.90V
0	1	0.80V
1	0	0.725V
1	1	0.675V

INVENTEC

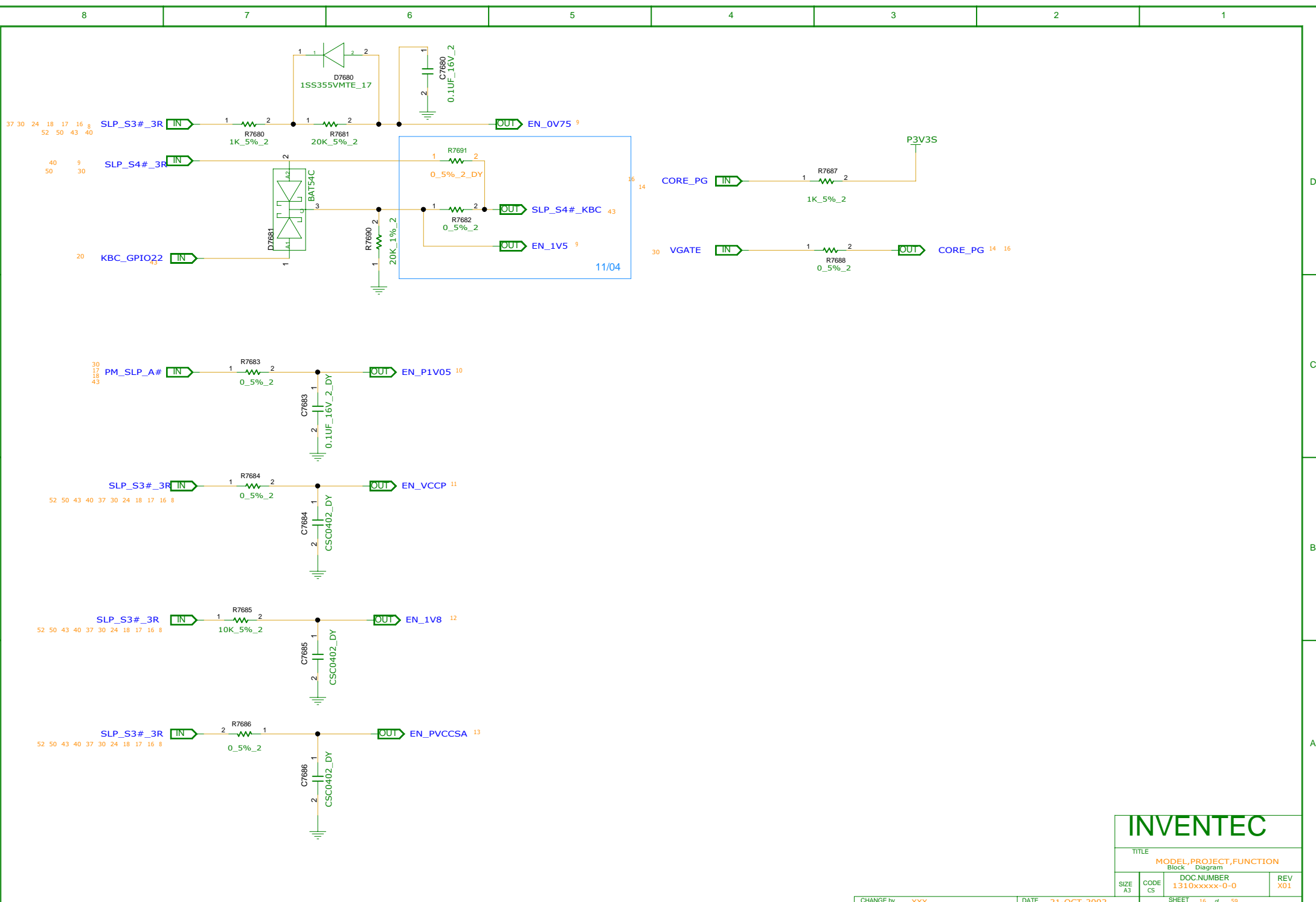
TITLE
MODEL, PROJECT, FUNCTION

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

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INVENTEC			
TITLE			
MODEL, PROJECT, FUNCTION			
Block Diagram			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	X01
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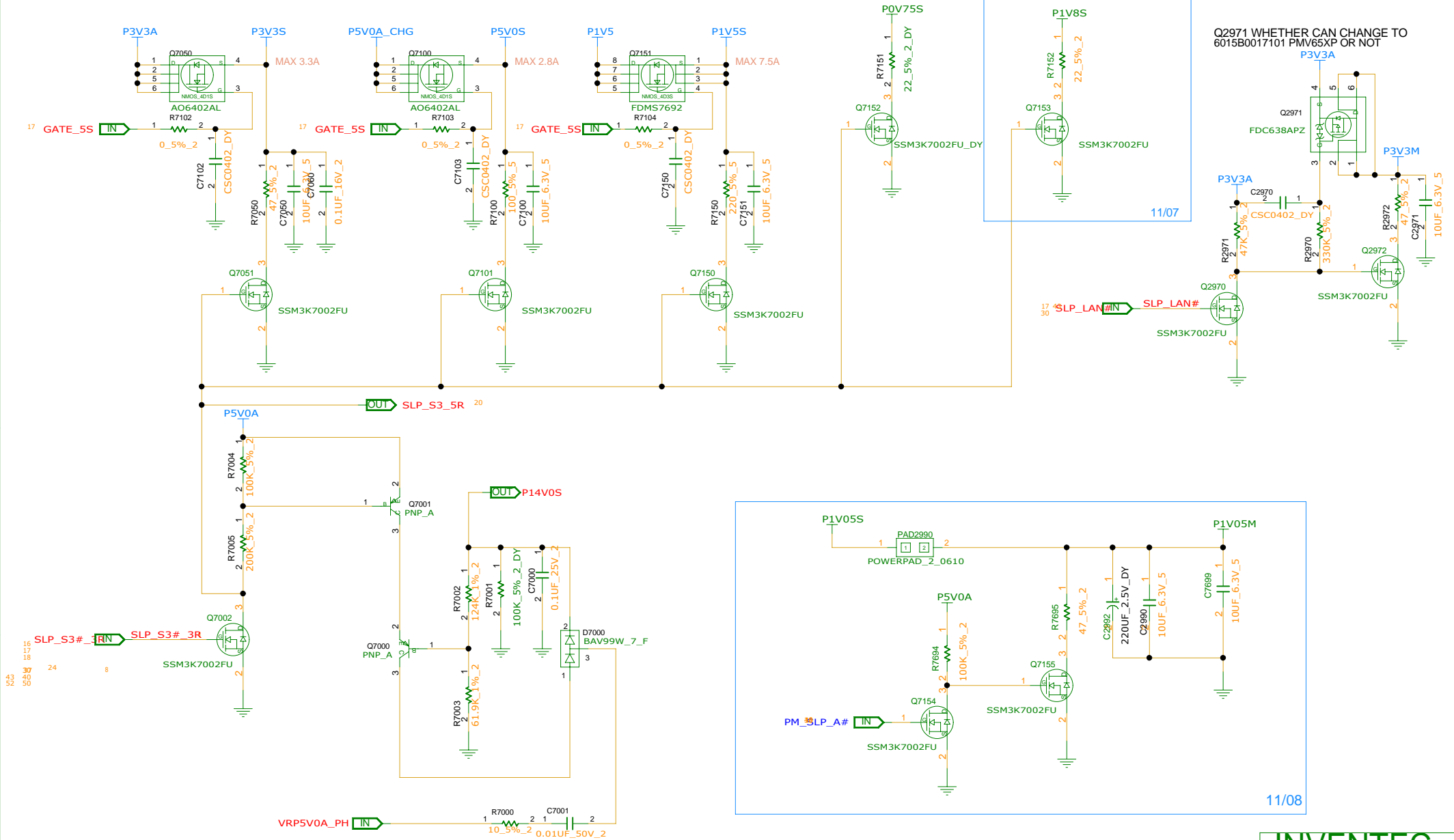


INVENTEC

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

REFERENCE NUMBER : 7000~7350

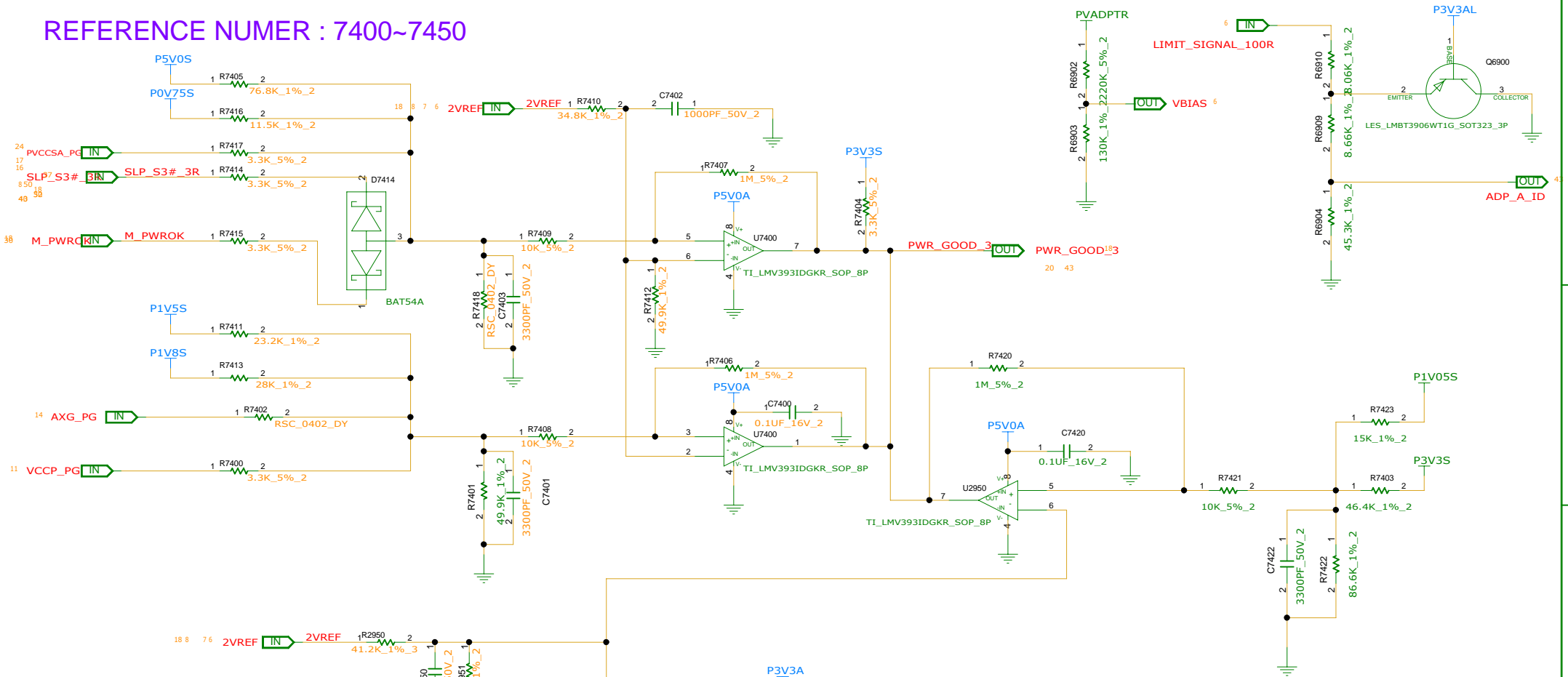


REFERENCE NUMBER : 2950~2999

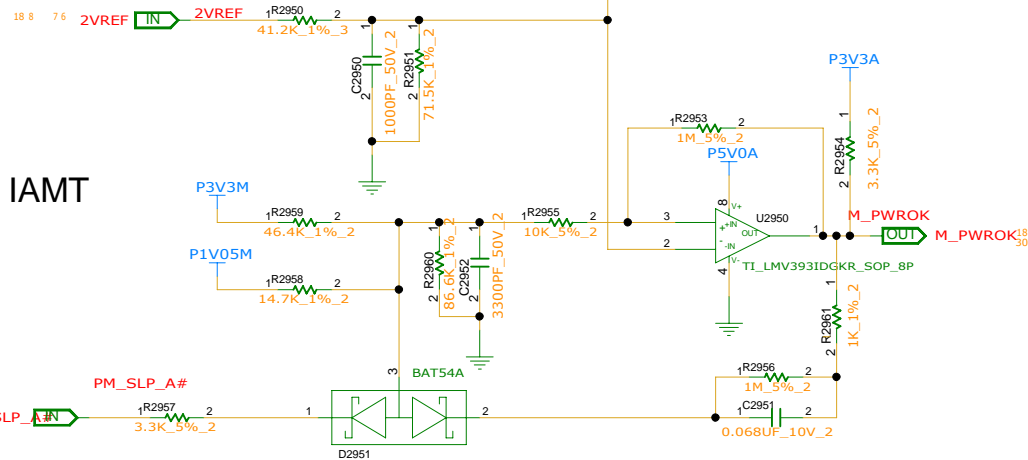
INVENTEC

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

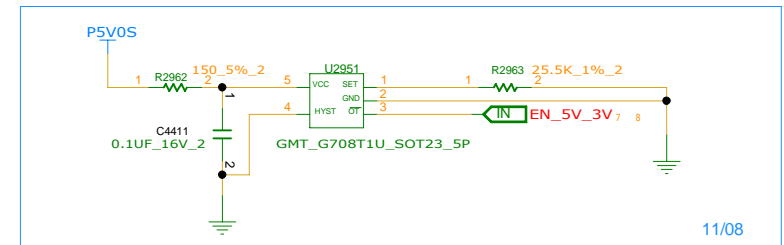


FOR IAMT



REFERENCE NUMER : 2950~2999

AMBIENT TEMP SENSE

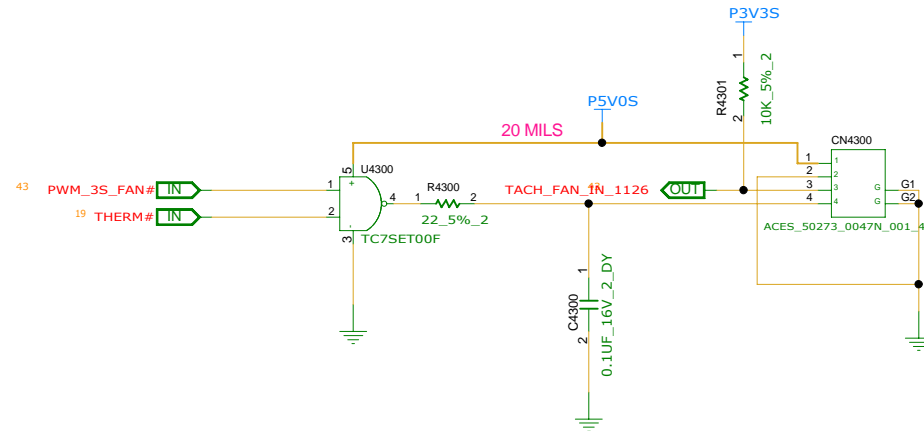


INVENTEC

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

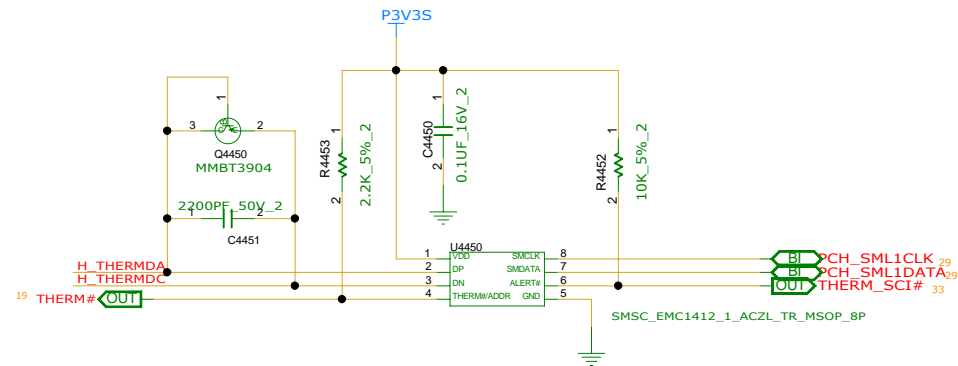
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REFERENCE NUMBER:4400~4349



REFERENCE NUMBER:4450~4499

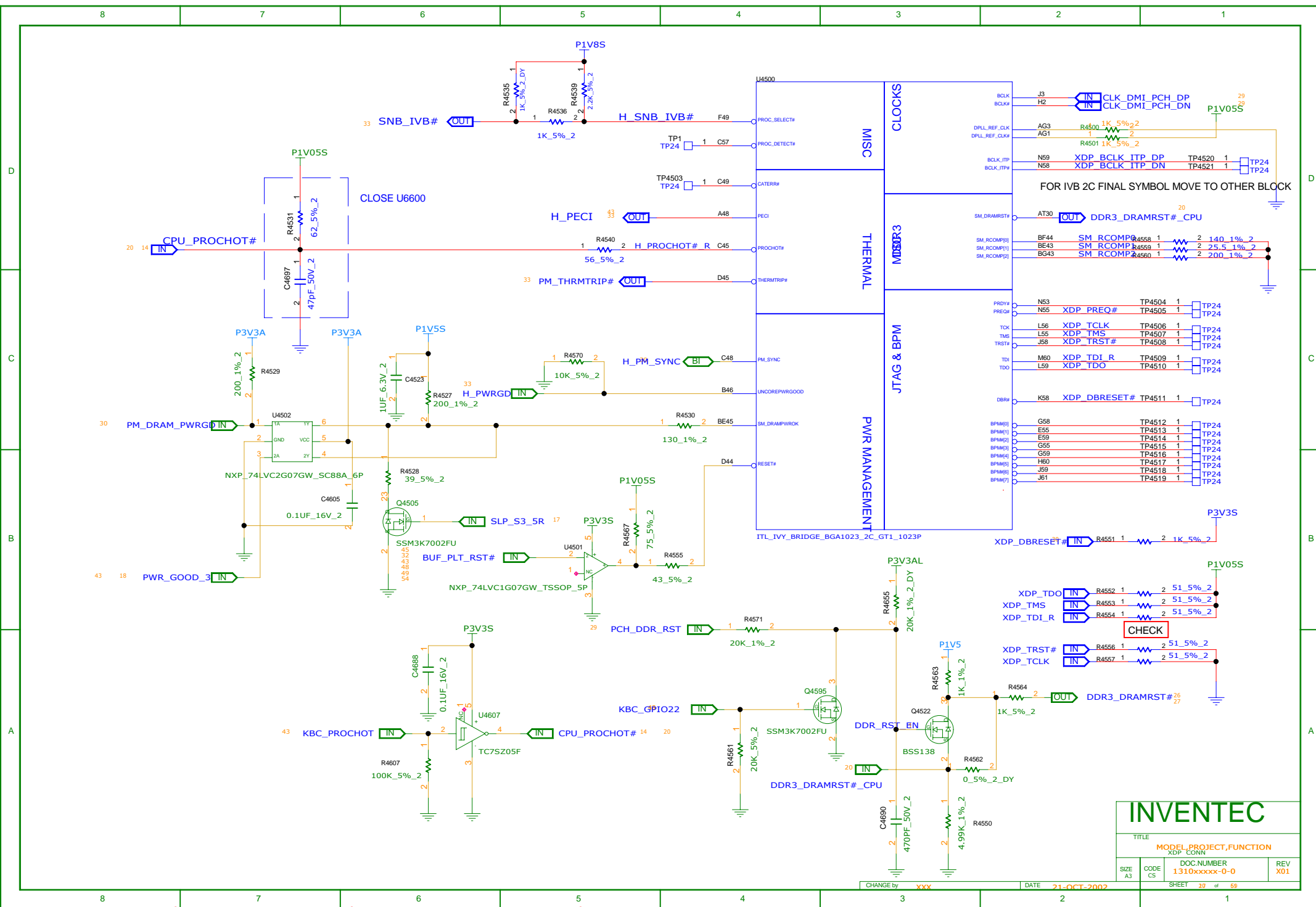
THERM SENSOR

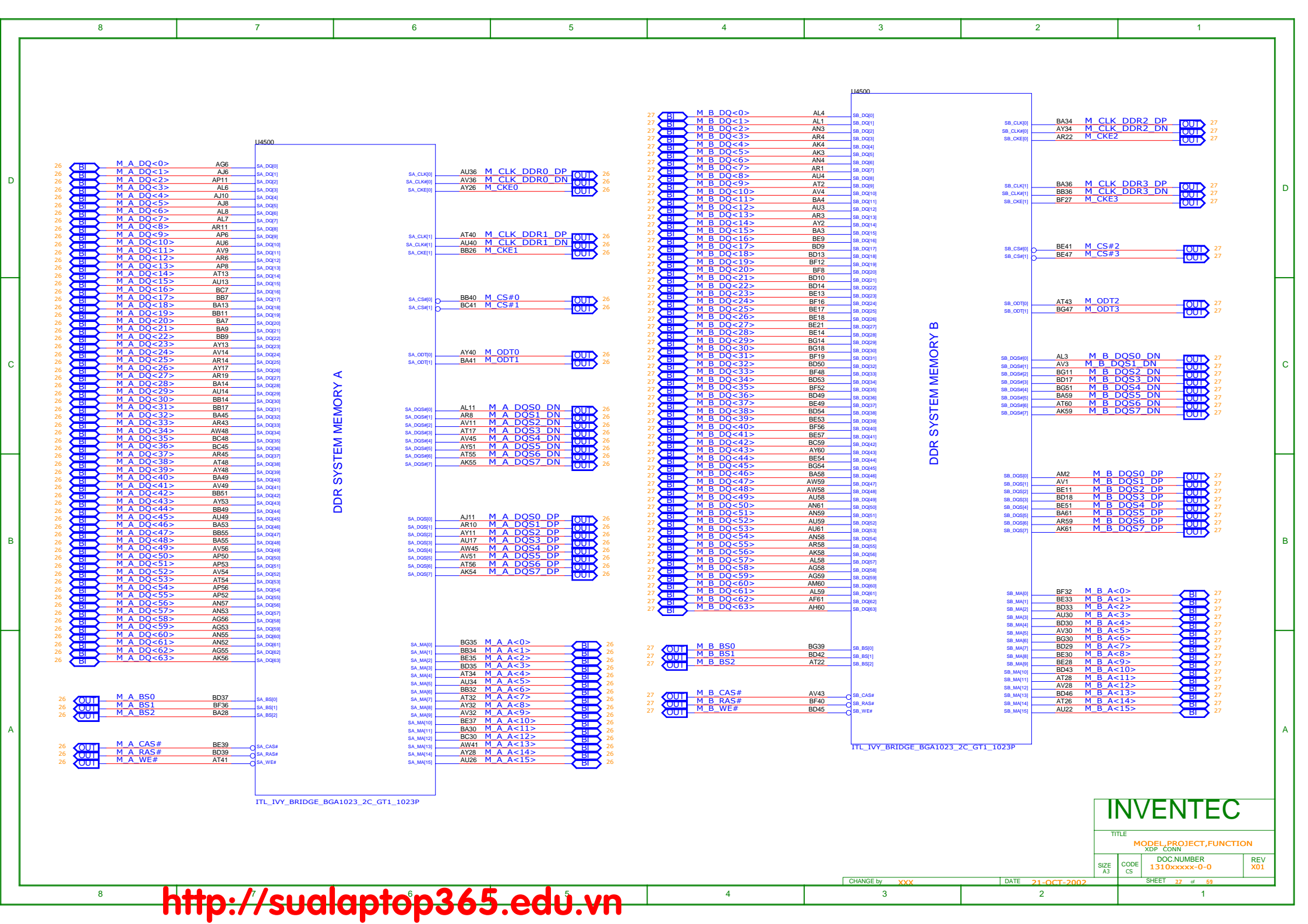


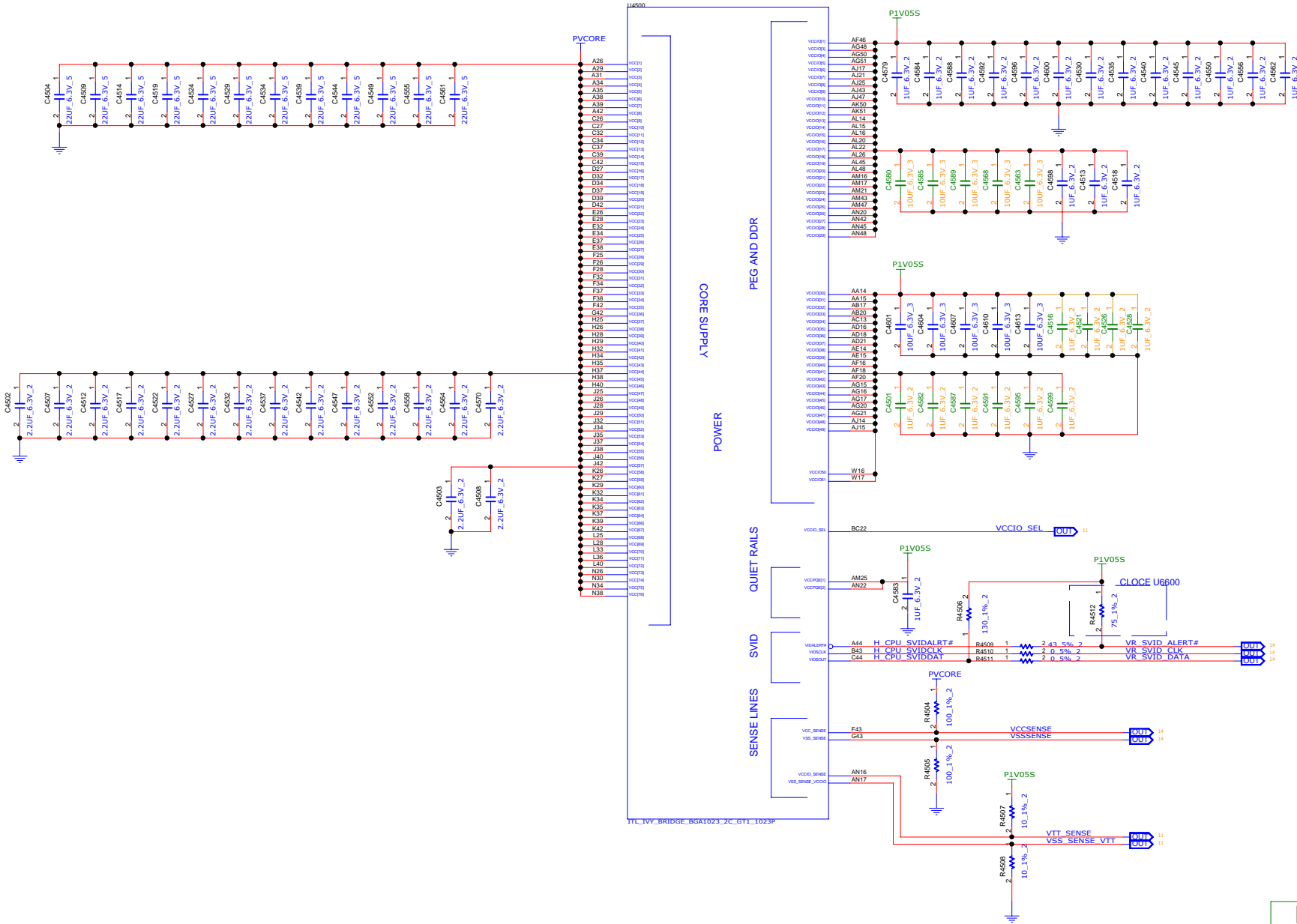
REFERENCE NUMBER:4411~4449

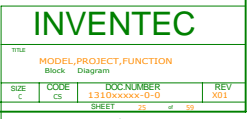
INVENTEC

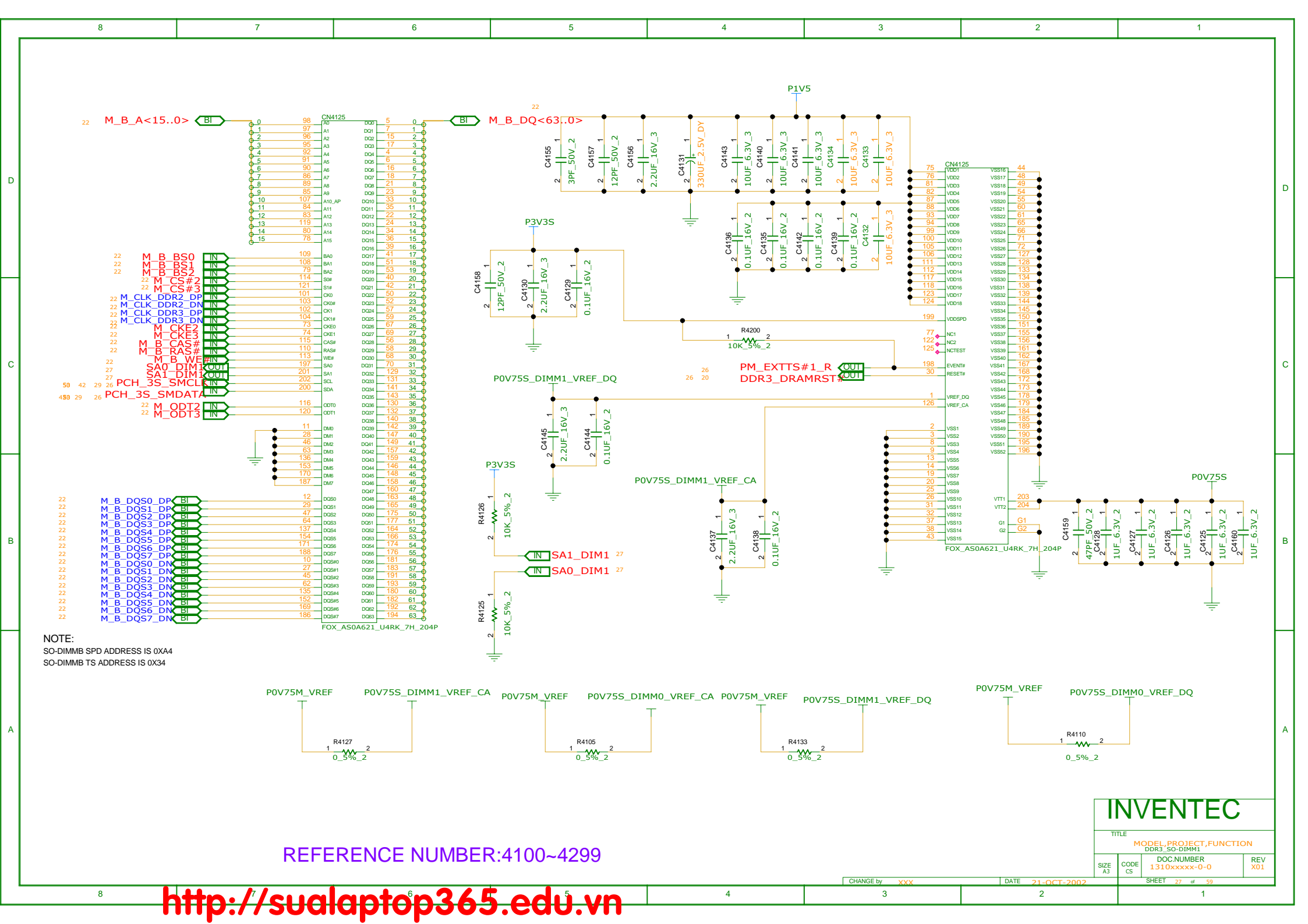
TITLE			
MODEL PROJECT,FUNCTION			
FAN & THERMAL			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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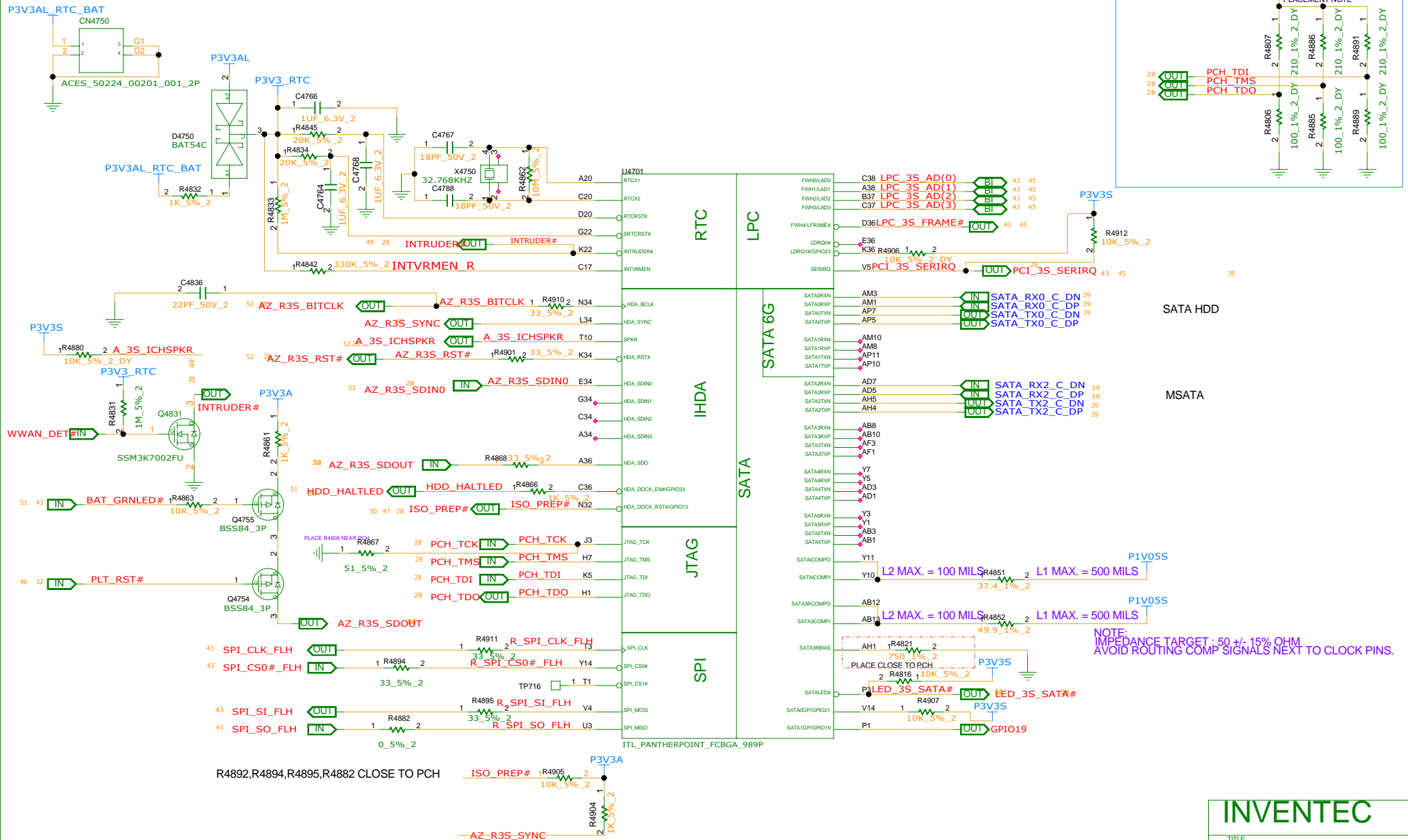
NOTE:
SO-DIMMB SPD ADDRESS IS 0XA4
SO-DIMMB TS ADDRESS IS 0X34

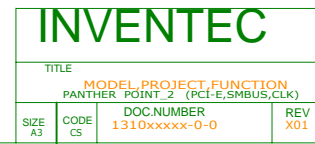
REFERENCE NUMBER:4100~4299

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INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
DDR3_SO_DIMM1			
SIZE	CODE	DOC NUMBER	REV
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REFERENCE NUMER : 4700~4949



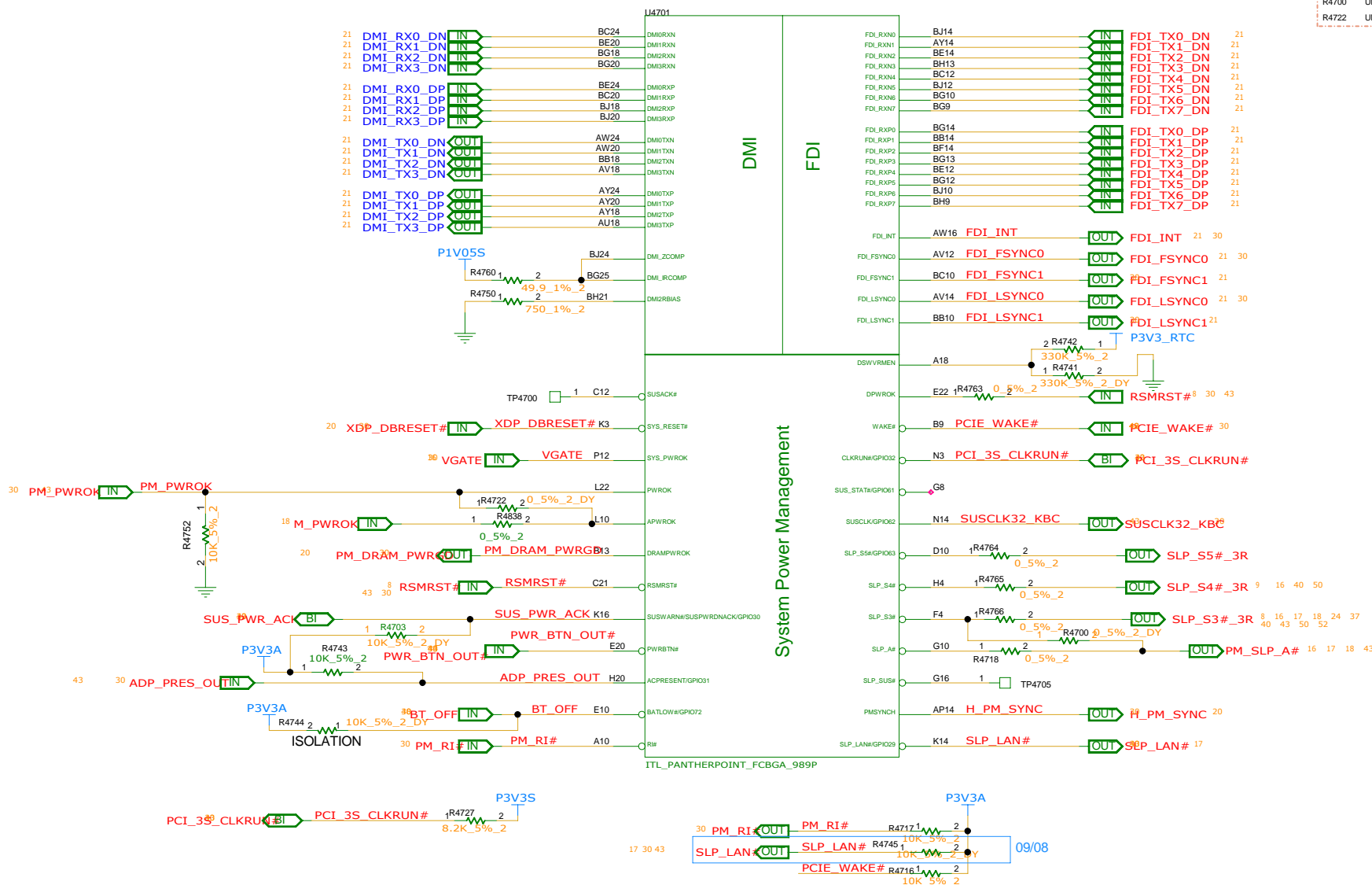


REFERENCE NUMER : 4700~4949

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

	IAMT	NON-IAMT
R4718	INSTALL	UNINSTALL
R4838	INSTALL	UNINSTALL
R4700	UNINSTALL	INSTALL
R4722	UNINSTALL	INSTALL

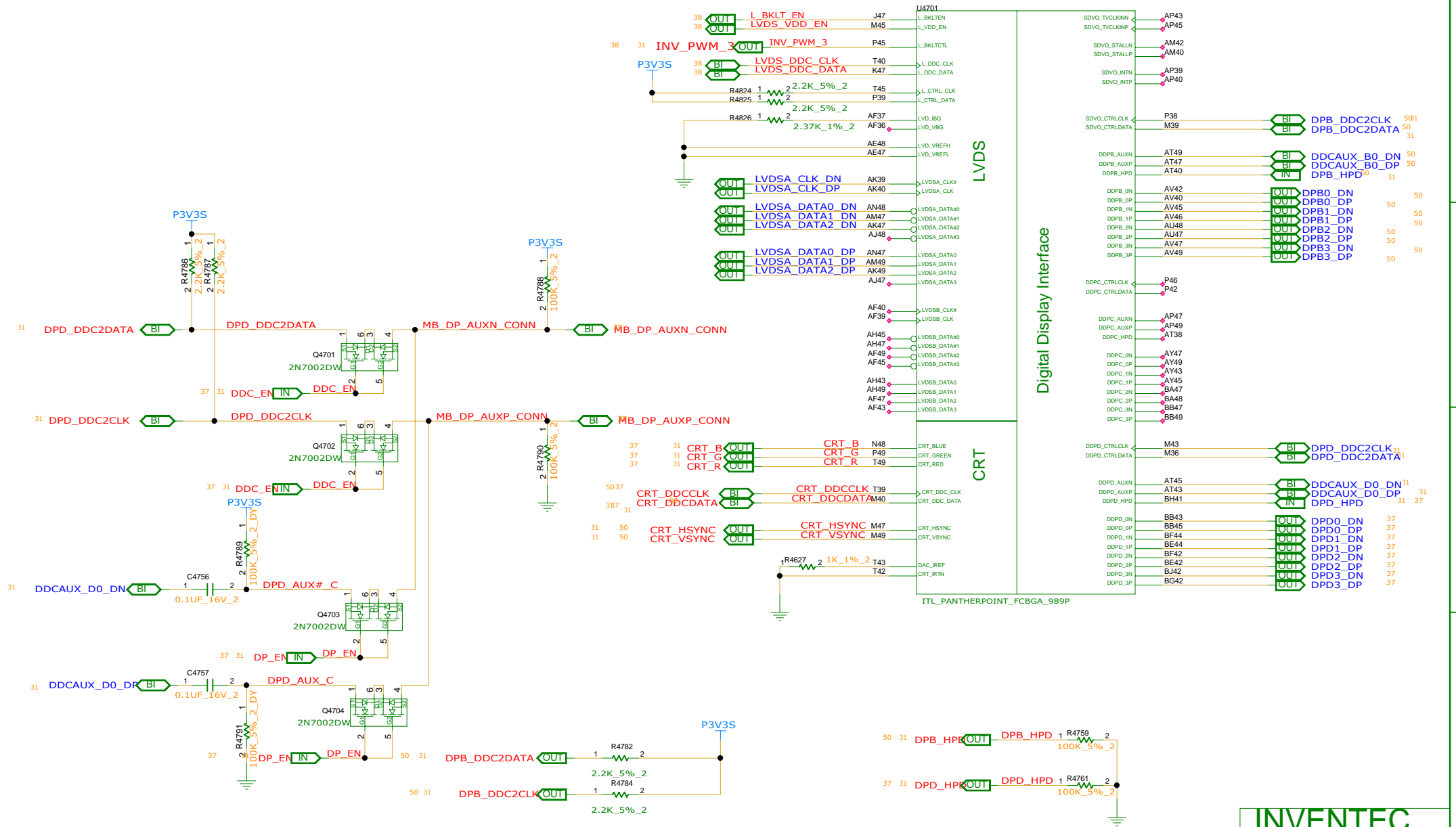


INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
PANTHER POINT_3 (DMI,FDI,GPIO)			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	X01

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REFERENCE NUMER : 4700~4949



INVENTEC

TITLE
MODEL PROJECT FUNCTION
PANTHER POINT 4 (LVDS,DDI)

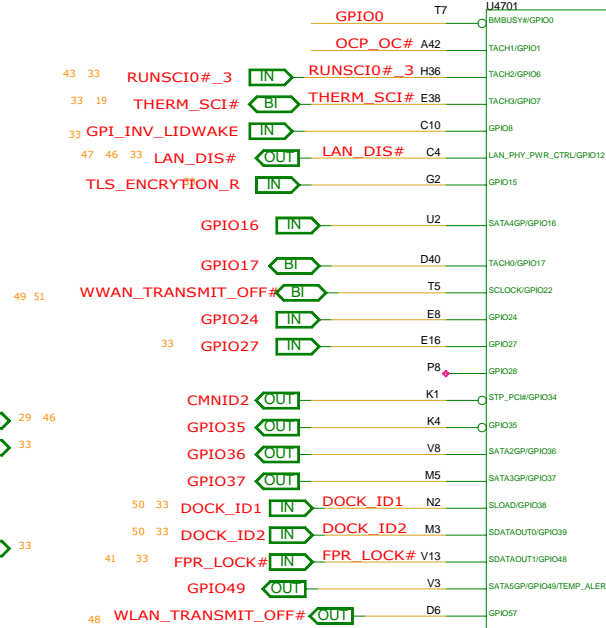
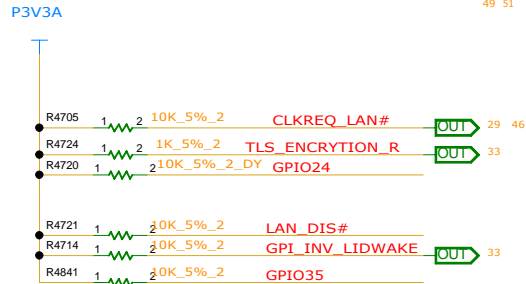
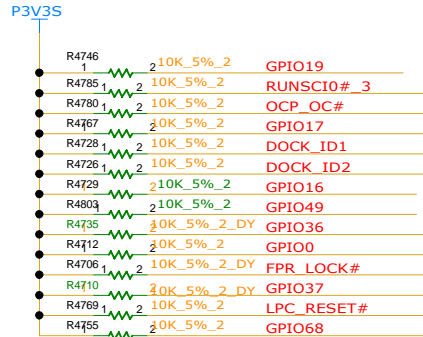
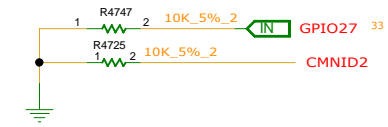
DOC NUMBER
1310xxxxx-0-0

REV
X01

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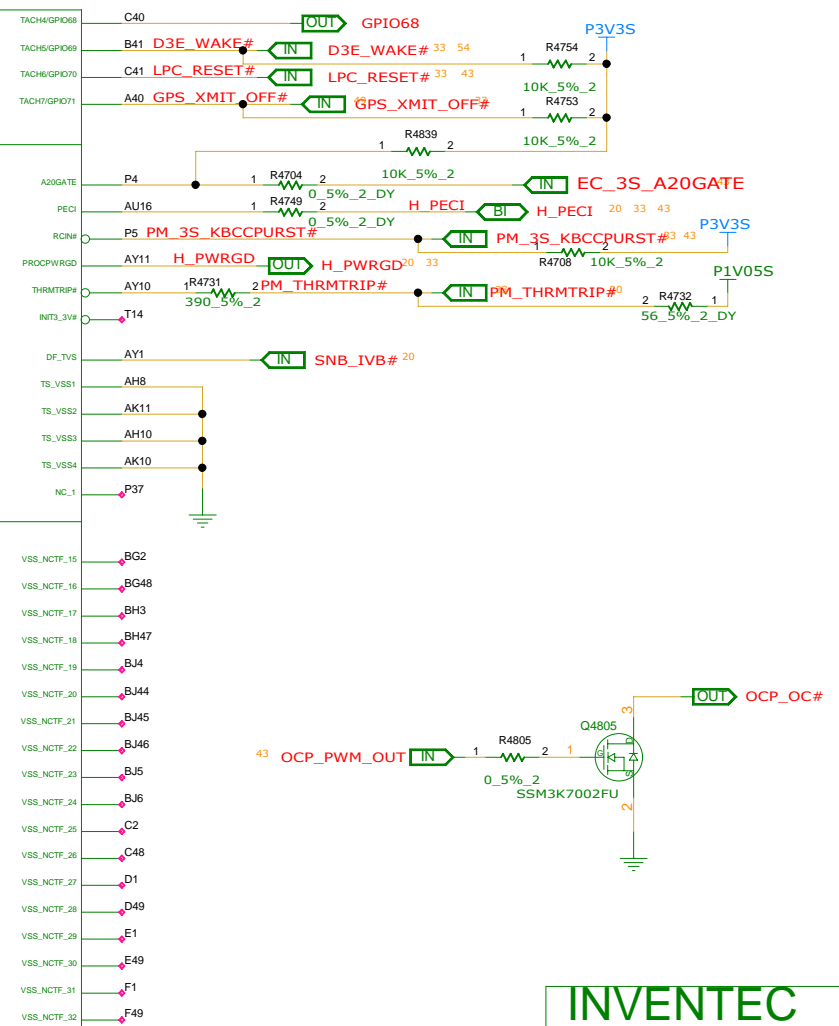
REFERENCE NUMER : 4700~4949



GPIO

CPU/MISC

NCTF



INVENTEC

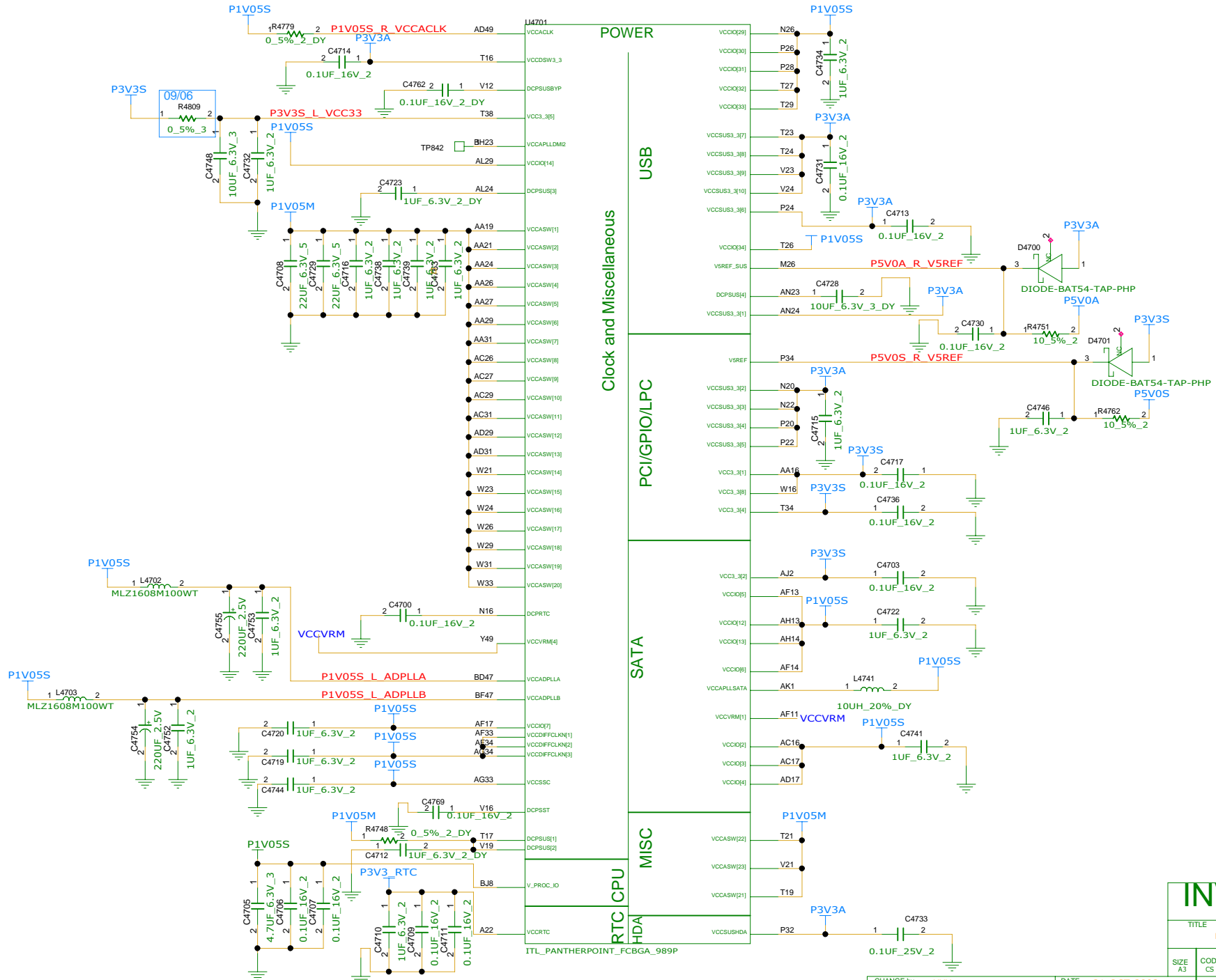
TITLE			
MODEL PROJECT,FUNCTION			
PANTHER POINT_6 (GPIO,VSS,NCTF,RSVD)			
DOC NUMBER		REV	
1310xxxxx-0-0		X01	
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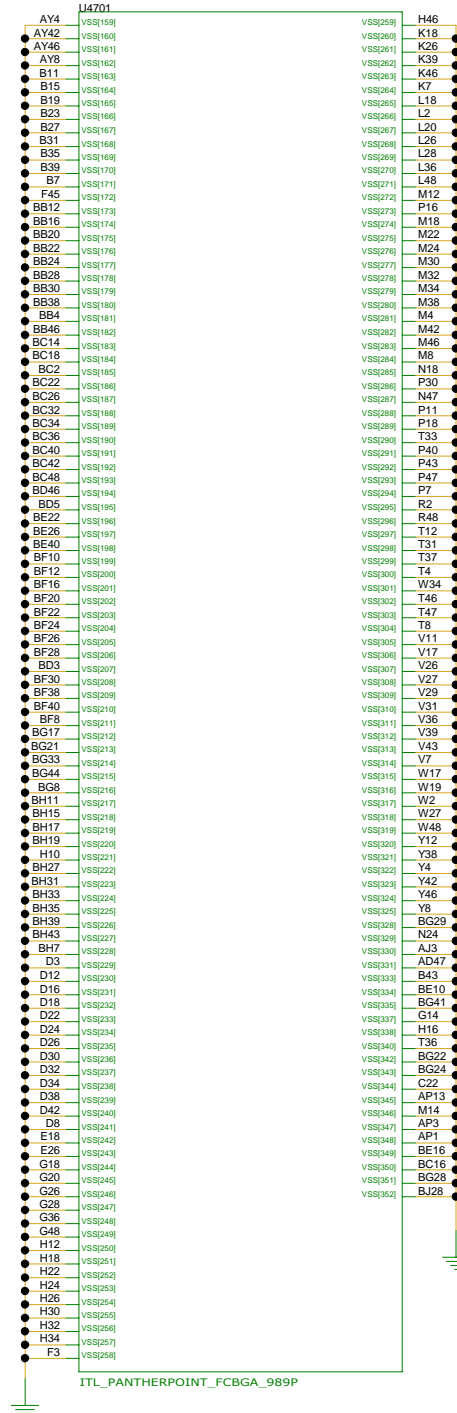
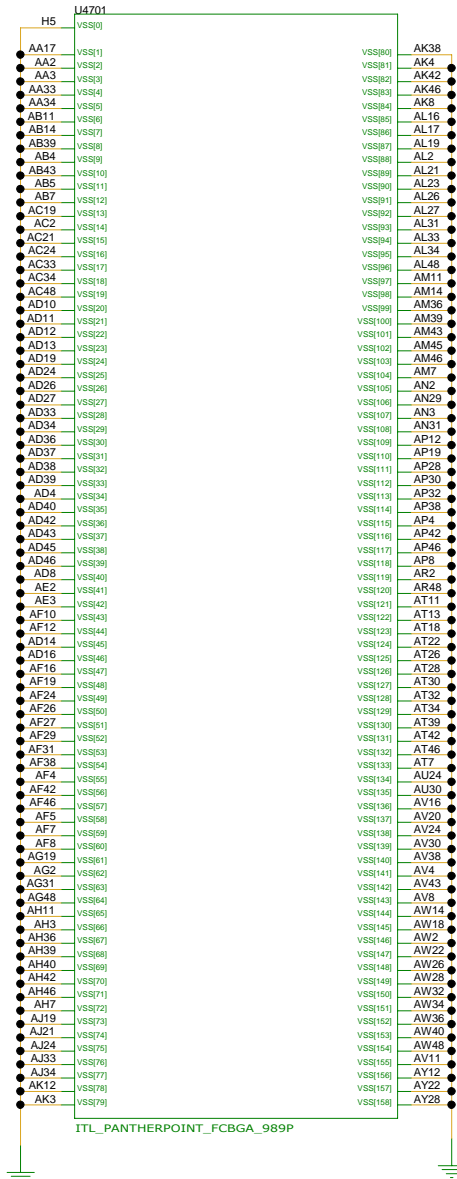
REFERENCE NUMER : 4700~4949



INVENTEC

TITLE			
MODEL PROJECT FUNCTION PANTHER POINT 5 (POWER)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxx-0-0	REV X01
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REFERENCE NUMBER : 4700~4949

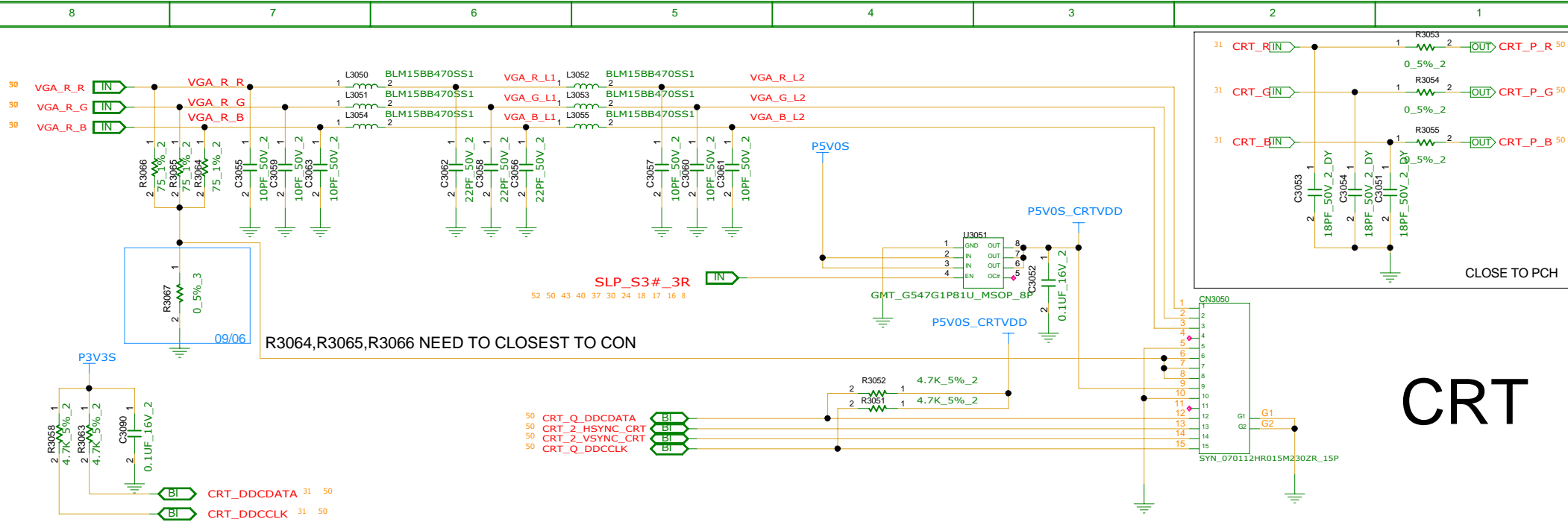


INVENTEC

TITLE
MODEL PROJECT FUNCTION
PANTHER POINT 3 (GND)

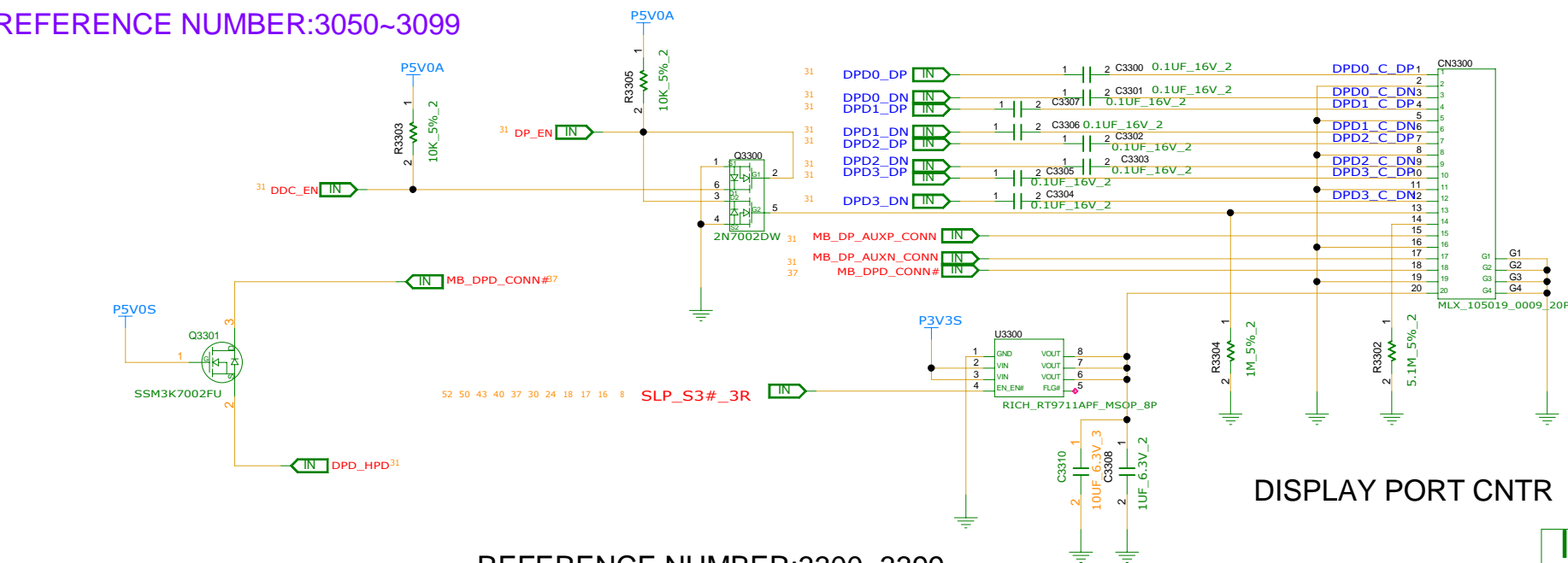
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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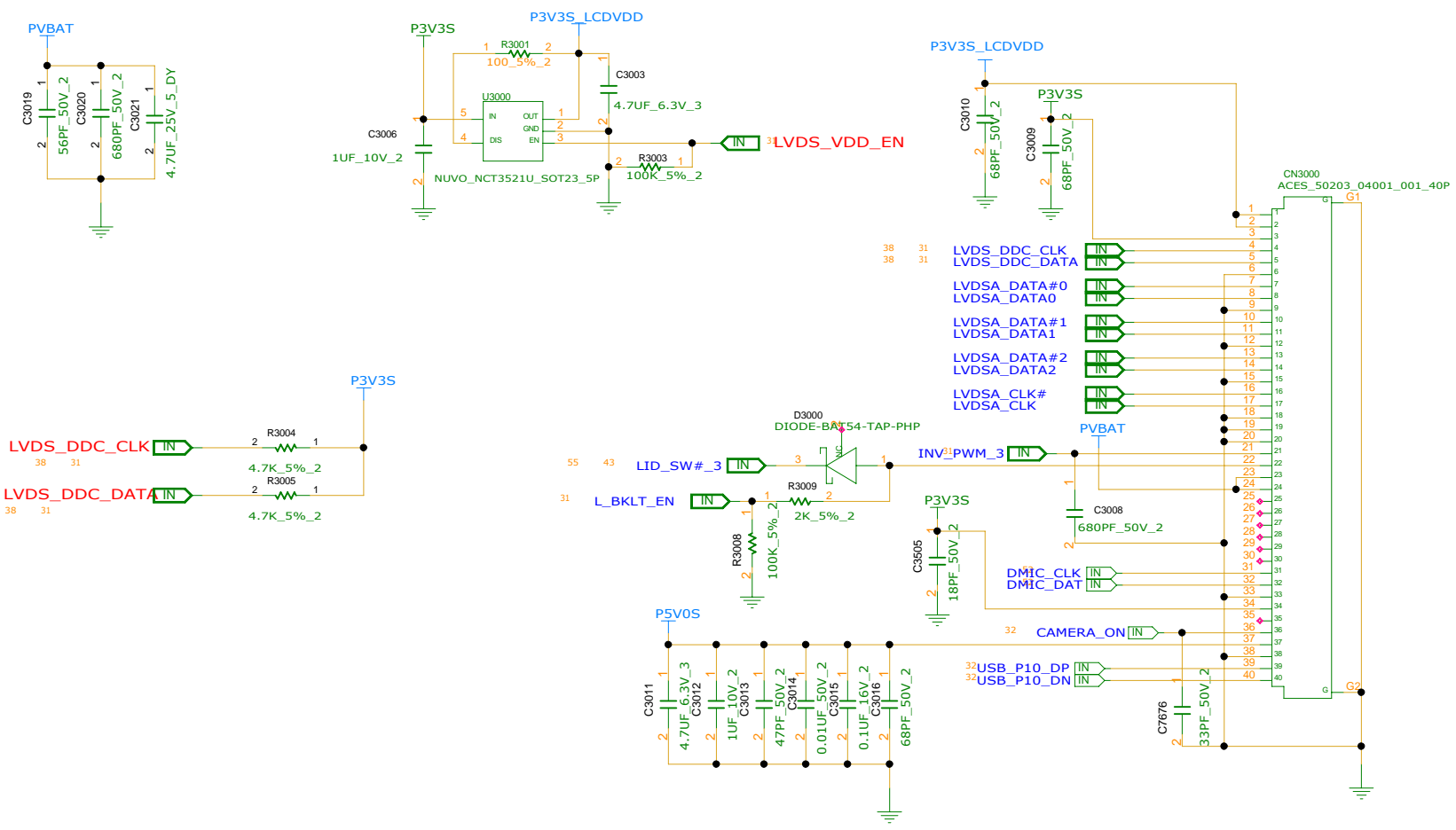
CRT

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REFERENCE NUMBER:3300~3399

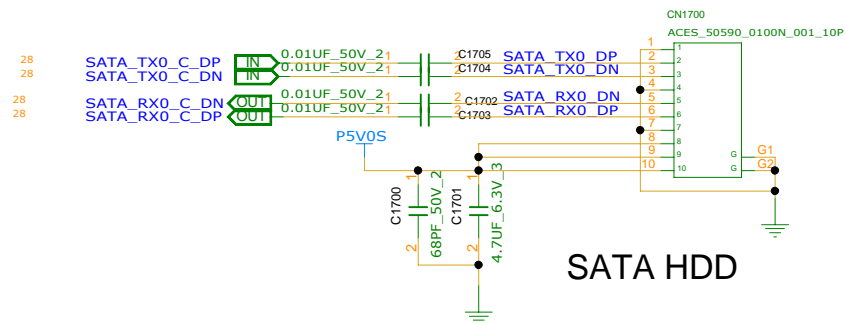
INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
CRT & DP			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	X01
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REFERENCE NUMBER:3000~3049

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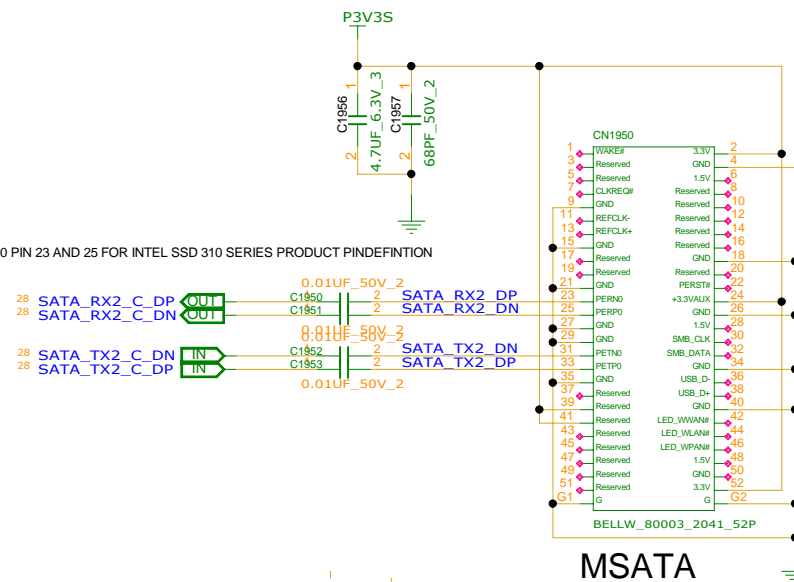
INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
LCM & WEBCAM			
DOC NUMBER		REV	
1310xxxx-0-0		X01	
SIZE	CODE	SHEET	
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SATA HDD

REFERENCE NUMBER:1700~1749

NOTE : SWAP SATA_RXP2 AND SATA_RXN2 ON CN1400 PIN 23 AND 25 FOR INTEL SSD 310 SERIES PRODUCT PINDEFINITION

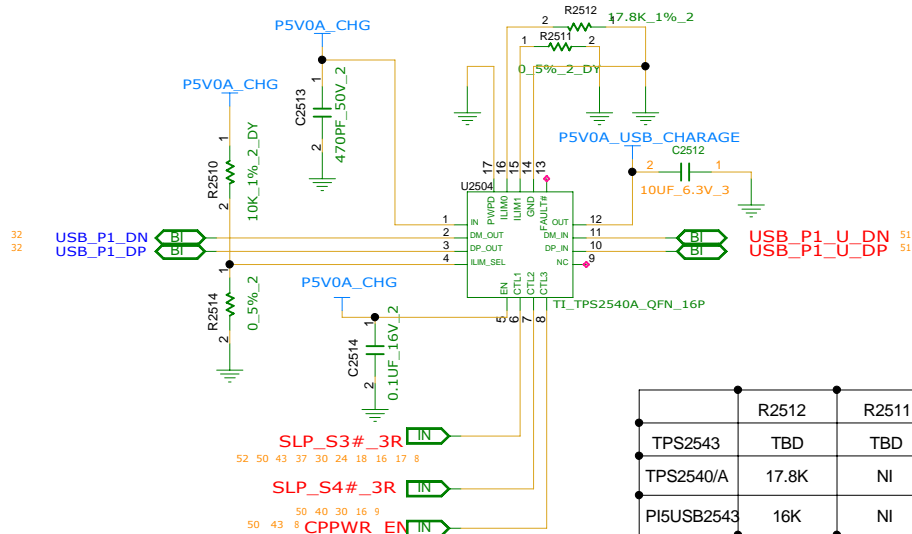


MSATA

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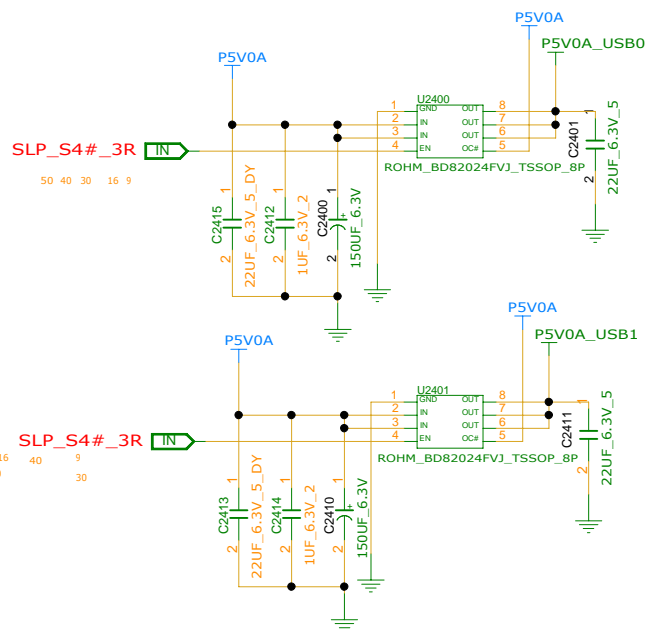
INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
SATA HDD & ODD CNTR			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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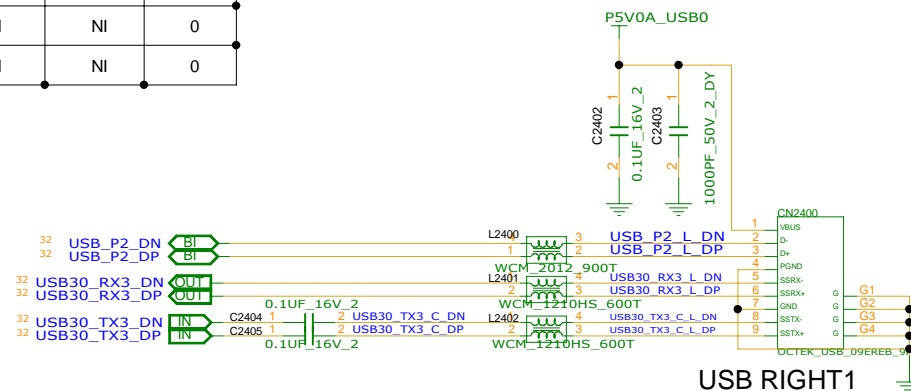


	R2512	R2511	R2510	R2514
TPS2543	TBD	TBD	10K	NI
TPS2540/A	17.8K	NI	NI	0
PI5USB2543	16K	NI	NI	0

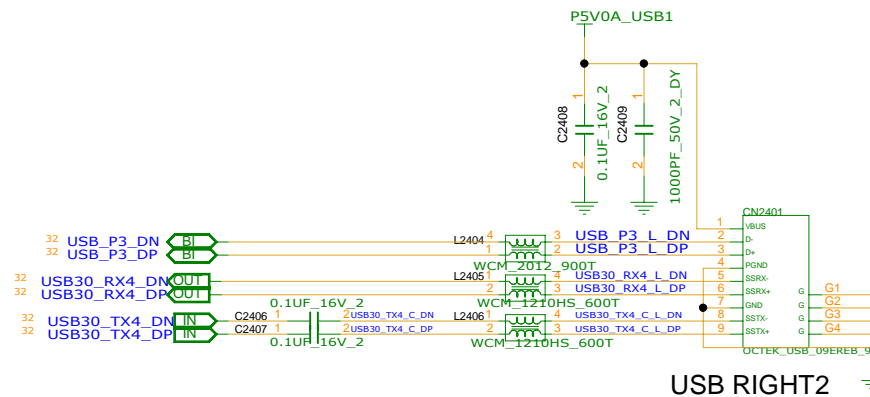
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REFERENCE NUMBER:2400~2499



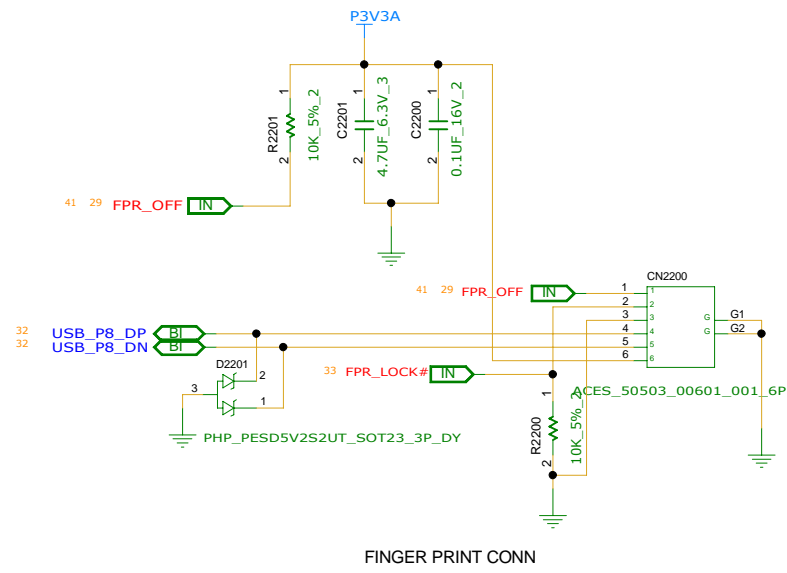
USB RIGHT1



USB RIGHT2

INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
USB & ESATA COMBO / USB CHARGER			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

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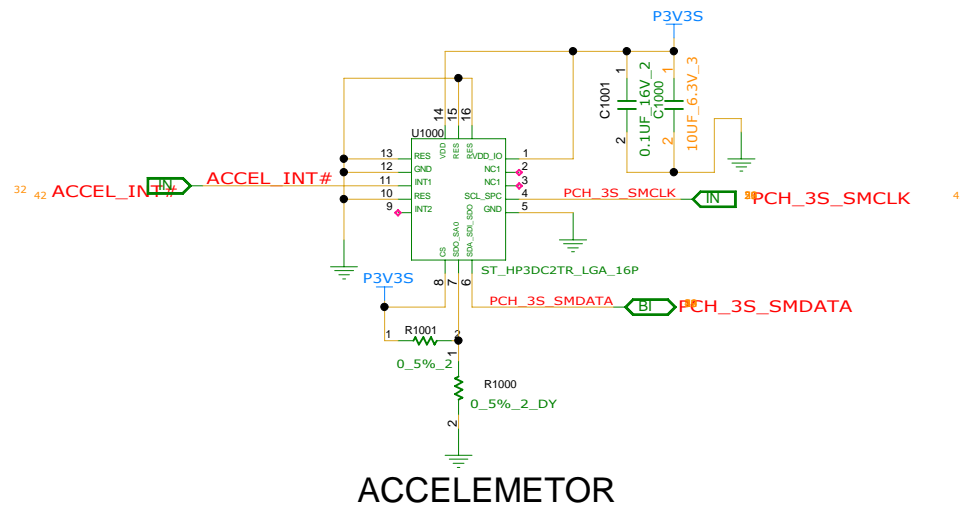


REFERENCE:2200~2249

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INVENTEC			
TITLE			
BLUE TOOTH & FINGER PRINTER CNTR			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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REFERENCE NUMER : 1000~1099



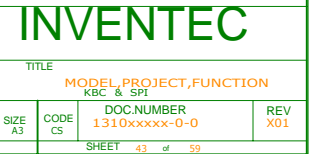
INVENTEC

TITLE
MODEL PROJECT,FUNCTION
ACCELEMOTOR

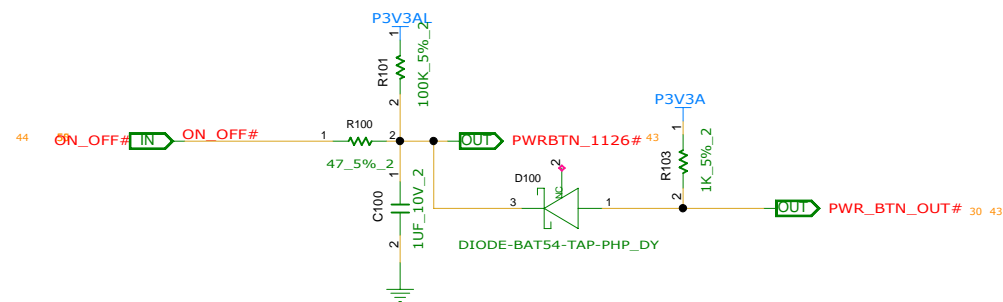
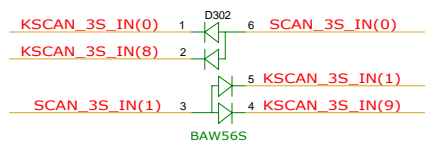
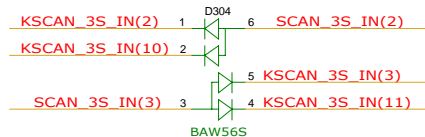
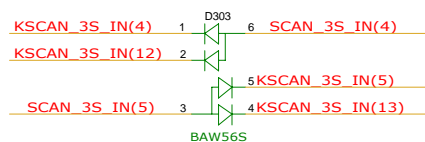
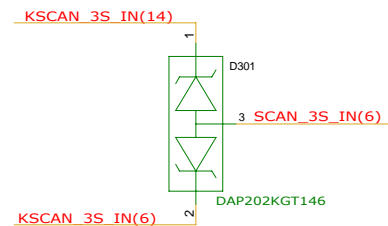
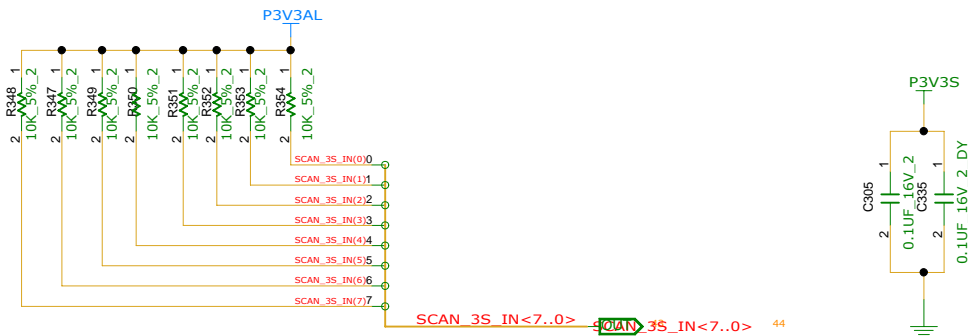
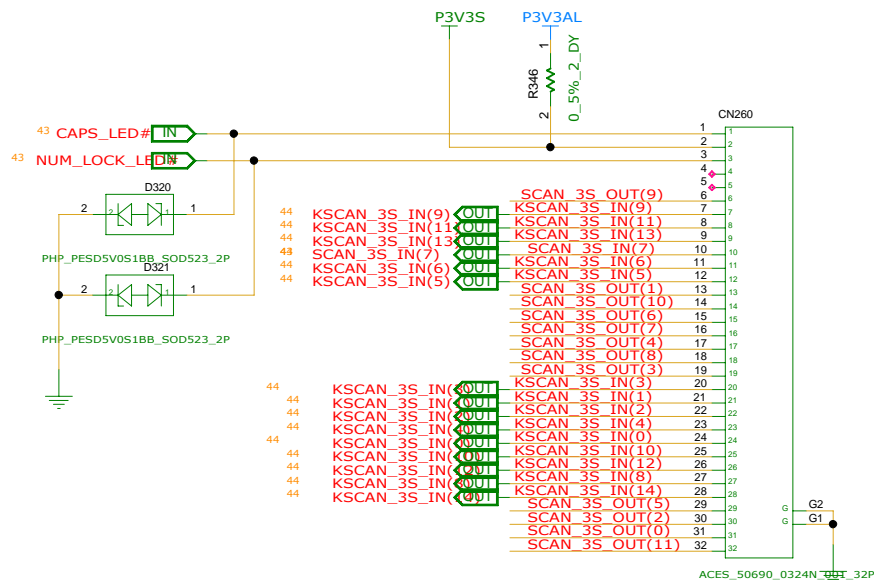
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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SHEET 42 of 59

CHANGE by XXX DATE 21-OCT-2002



REFERENCE NUMER : 300~389



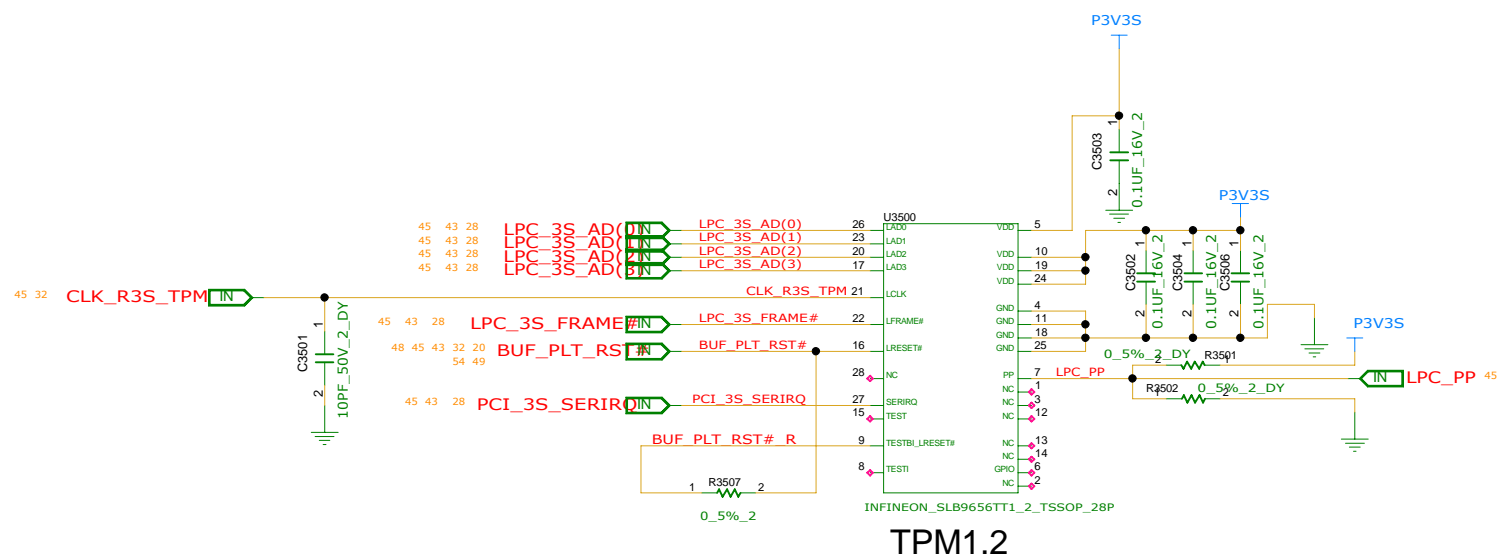
INVENTEC

TITLE
MODEL PROJECT,FUNCTION
KEYBOARD

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

CHANGE by XXX DATE 21-OCT-2002

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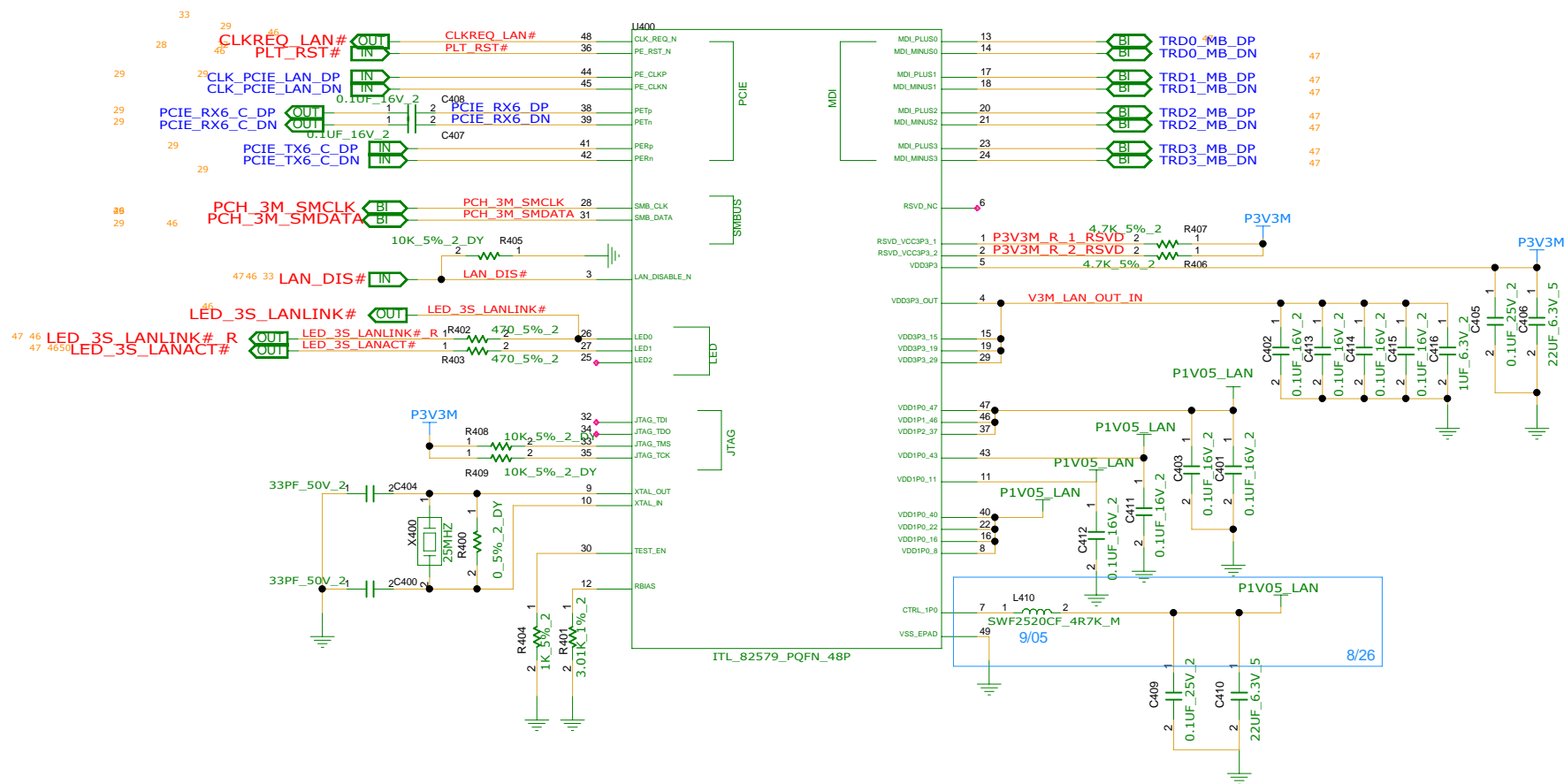


REFERENCE NUMER : 3500~3549

<http://sualaptop365.edu.vn>

INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
TPM & MDC			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 45 of 59			

REFERENCE NUMER : 400~469



INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
LAN (NIC, TRANSFORMER, RJ45)			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

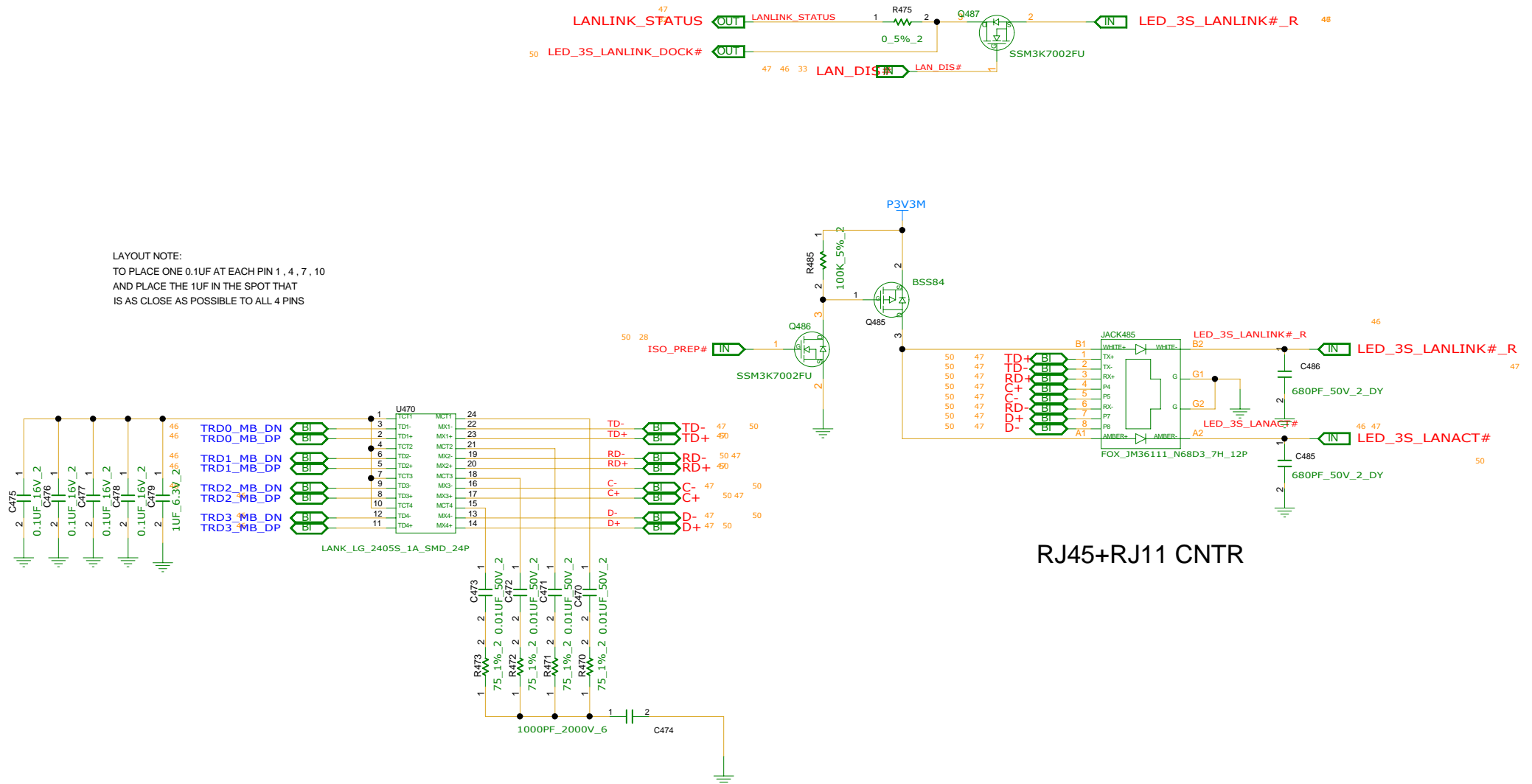
CHANGE by XXX DATE 21-OCT-2002

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<http://sualaptop365.edu.vn>

REFERENCE NUMER : 470~499

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

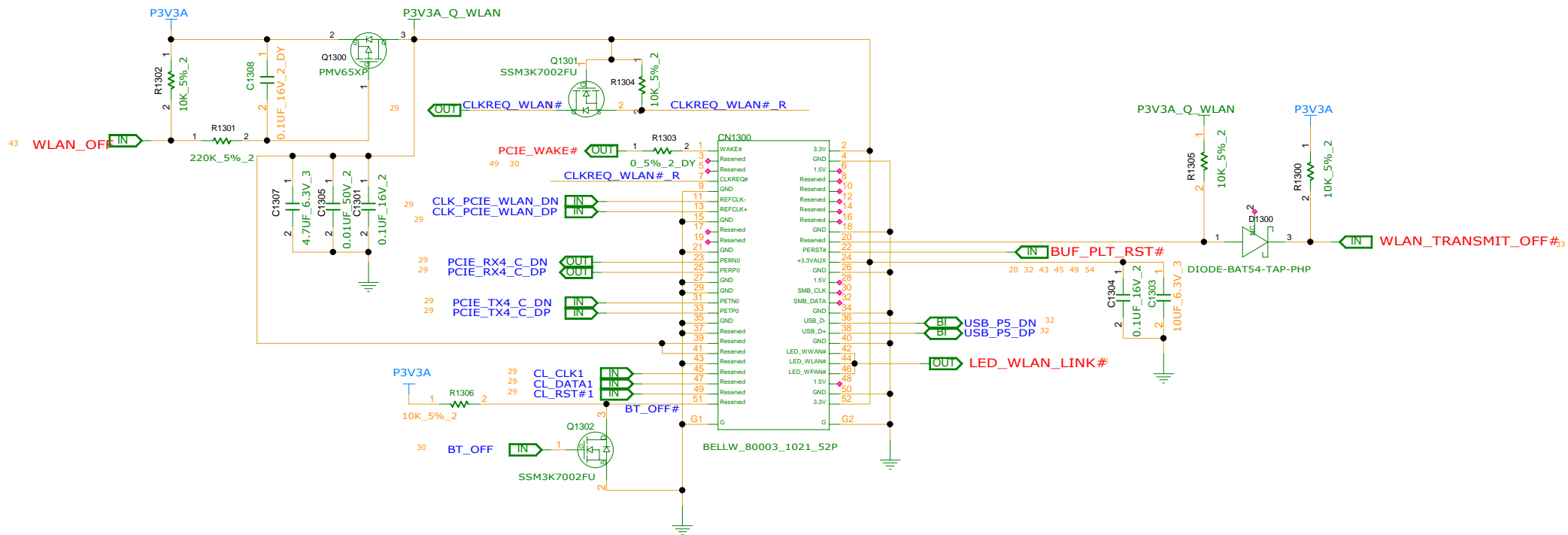


RJ45+RJ11 CNTR

INVENTEC

TITLE			
MODEL PROJECT,FUNCTION			
LAN RJ45+RJ11 CNTR			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 47 of 59			

CHANGE by XXX DATE 21-OCT-2002



WLAN

REFERENCE NUMBER:1300~1349

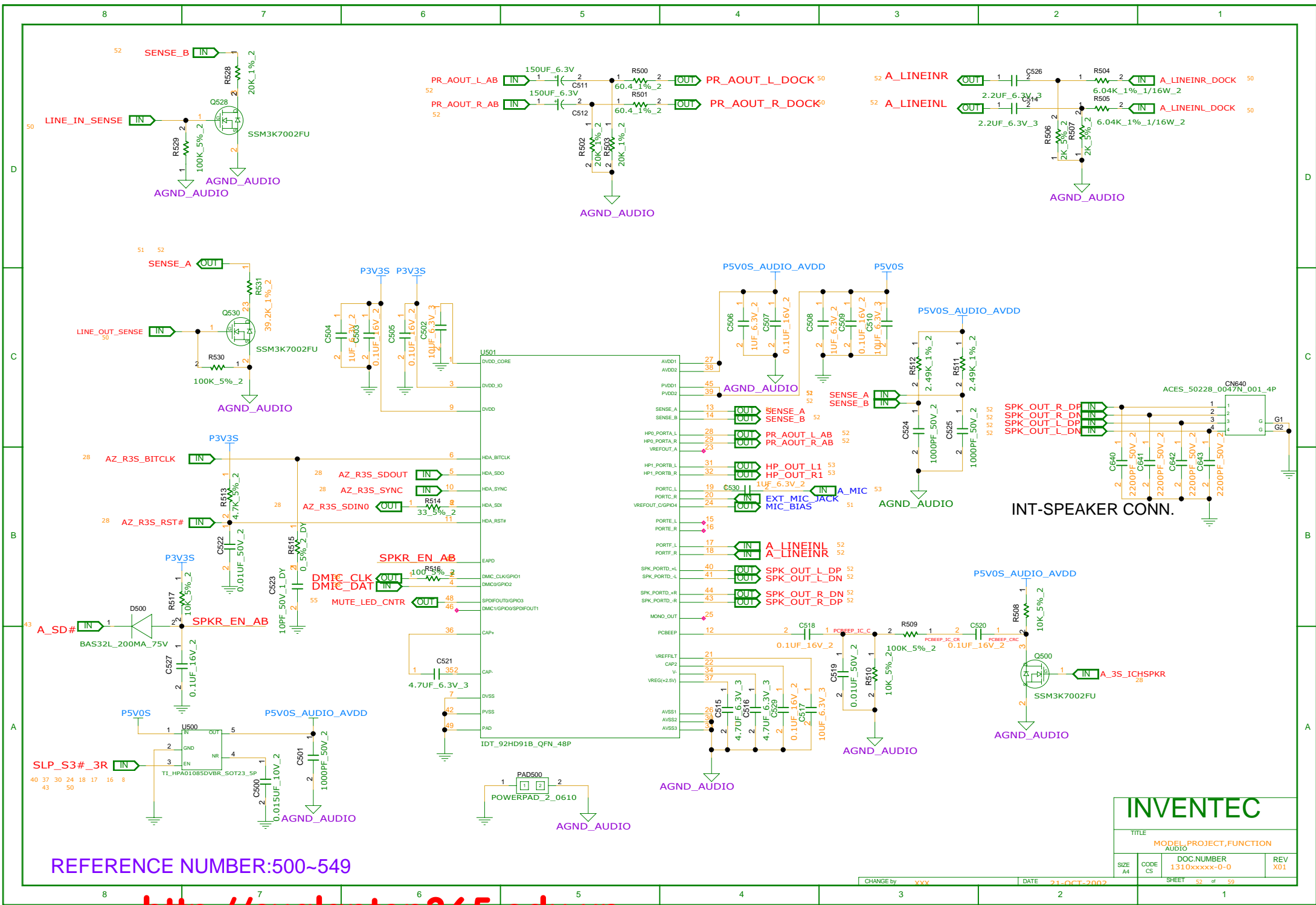
INVENTEC

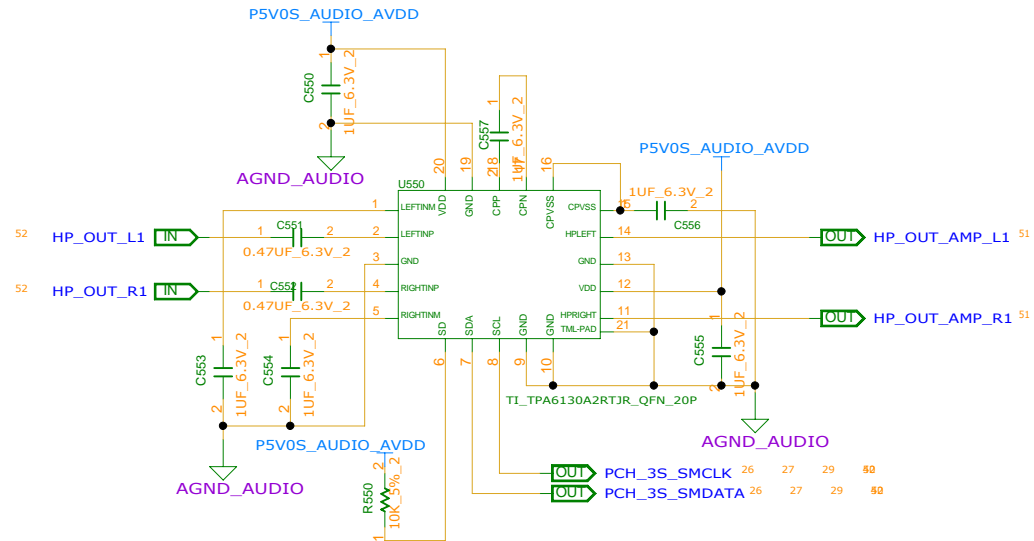
TITLE			
MODEL PROJECT FUNCTION			
WWAN& WLAN & SIM CARD			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

CHANGE by XXX DATE 21-OCT-2002

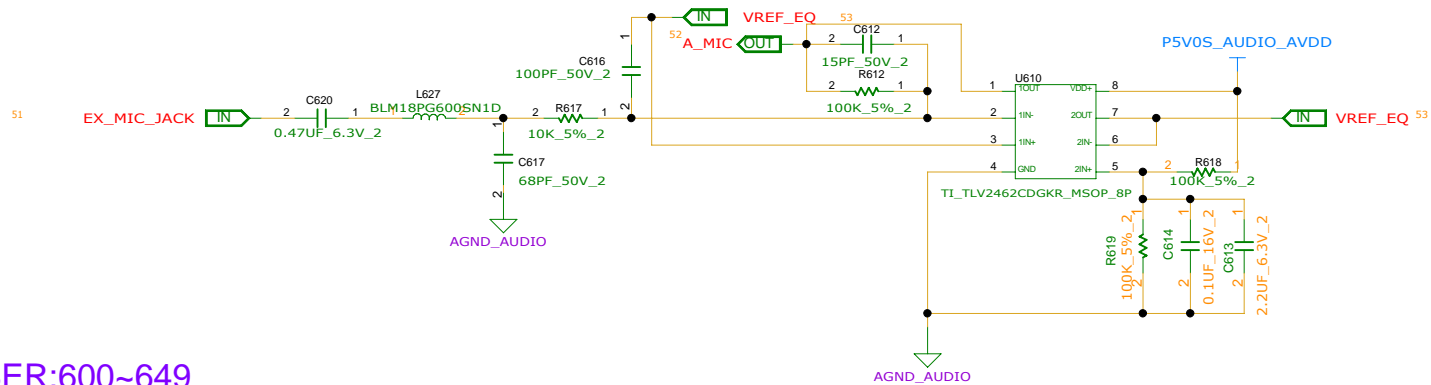
SHEET 48 of 59





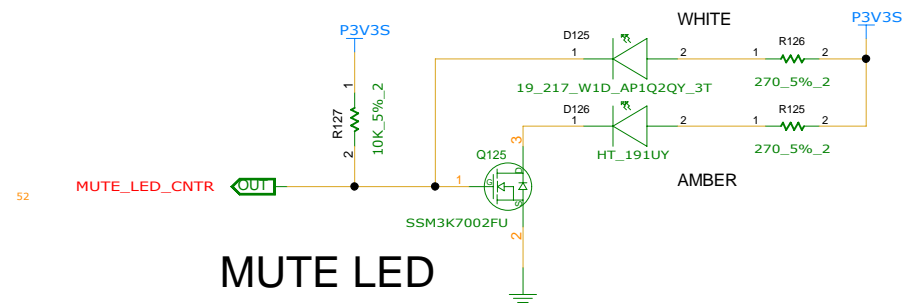
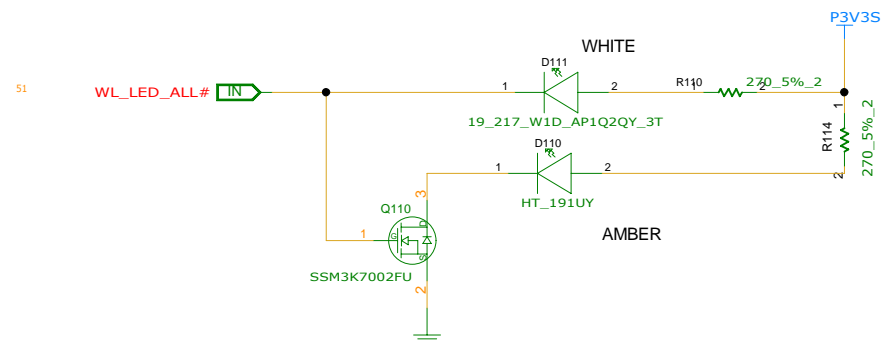
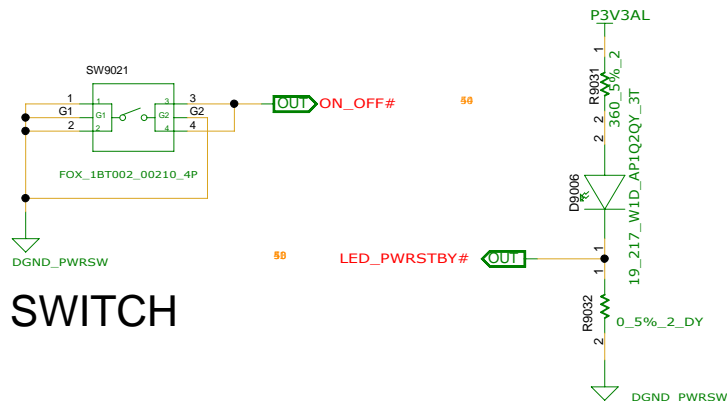
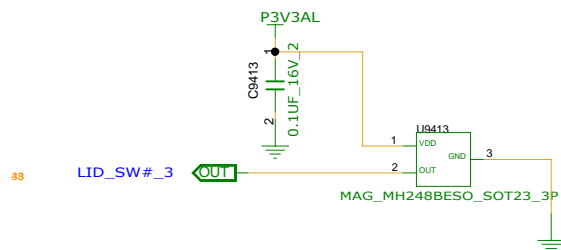
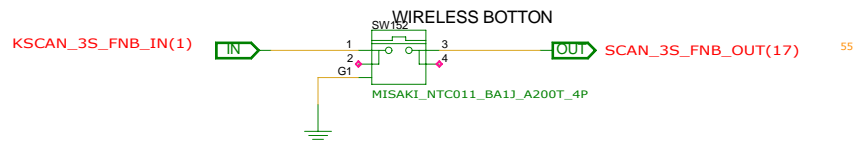
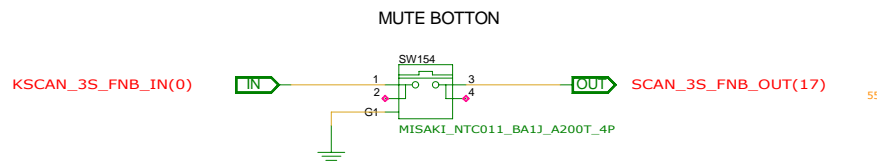


REFERENCE NUMBER:550~599



REFERENCE NUMBER:600~649

INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
HEAD PHONE AMPLIFIER			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 53 of 59			



INVENTEC			
TITLE		MODEL PROJECT, FUNCTION BOARD	
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
CHANGE by XXX		DATE 21-OCT-2002	SHEET 55 of 59

