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HSF Property: ROHS or Halogen-Free

COMET-UMA

SI1 BUILD

www.aitech1.ru

2013.01.02

21-OCT-2002		
DATE	CHANGE NO.	REV

DRAWER				INVENTEC			
DESIGN				MODEL PROJECT FUNCTION			
CHECK				COMETUMA MAIN BOARD			
RESPONSIBLE							
SIZE				DOC NUMBER			
FILE NAME				REV			
PIN				SHEET			

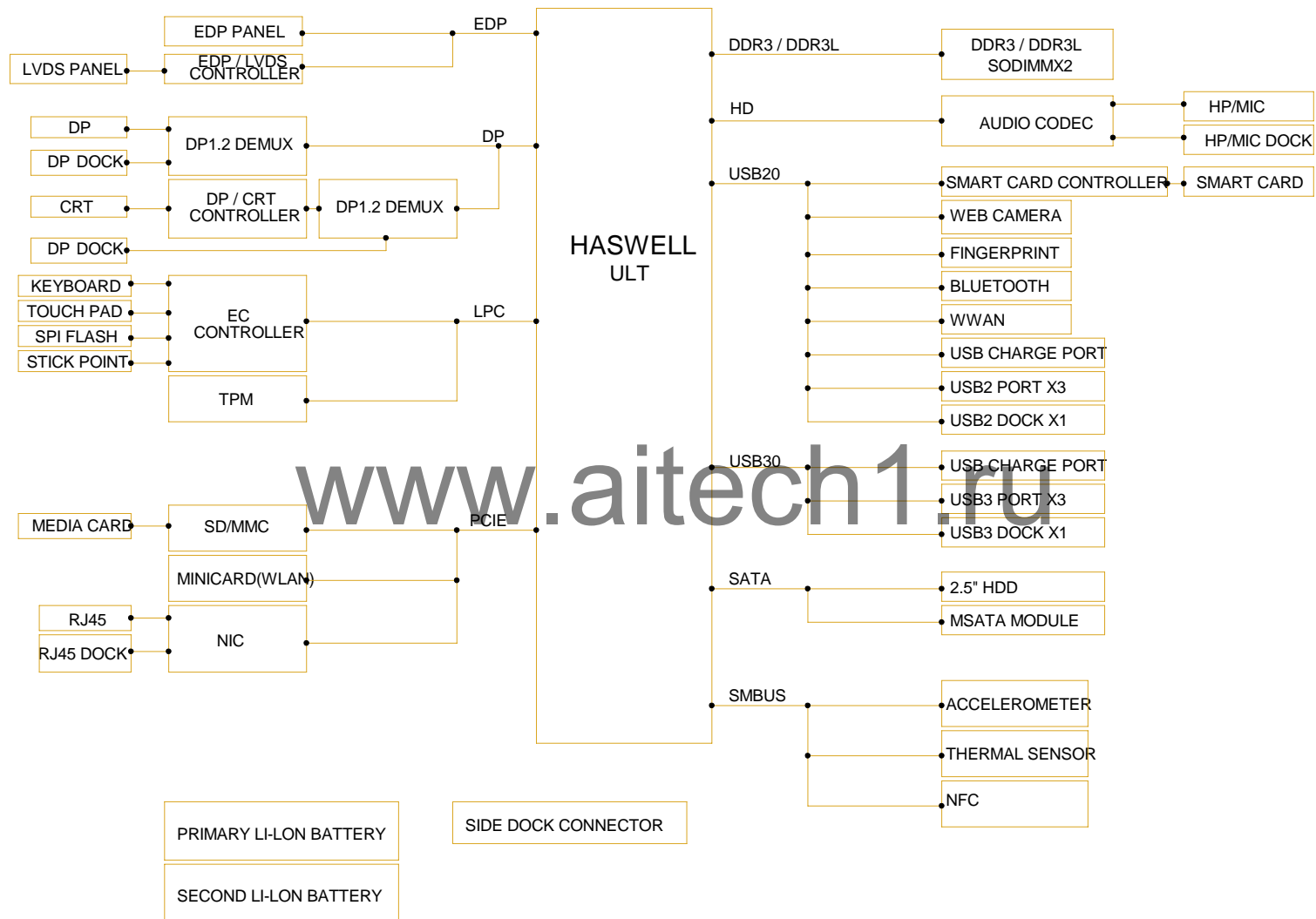


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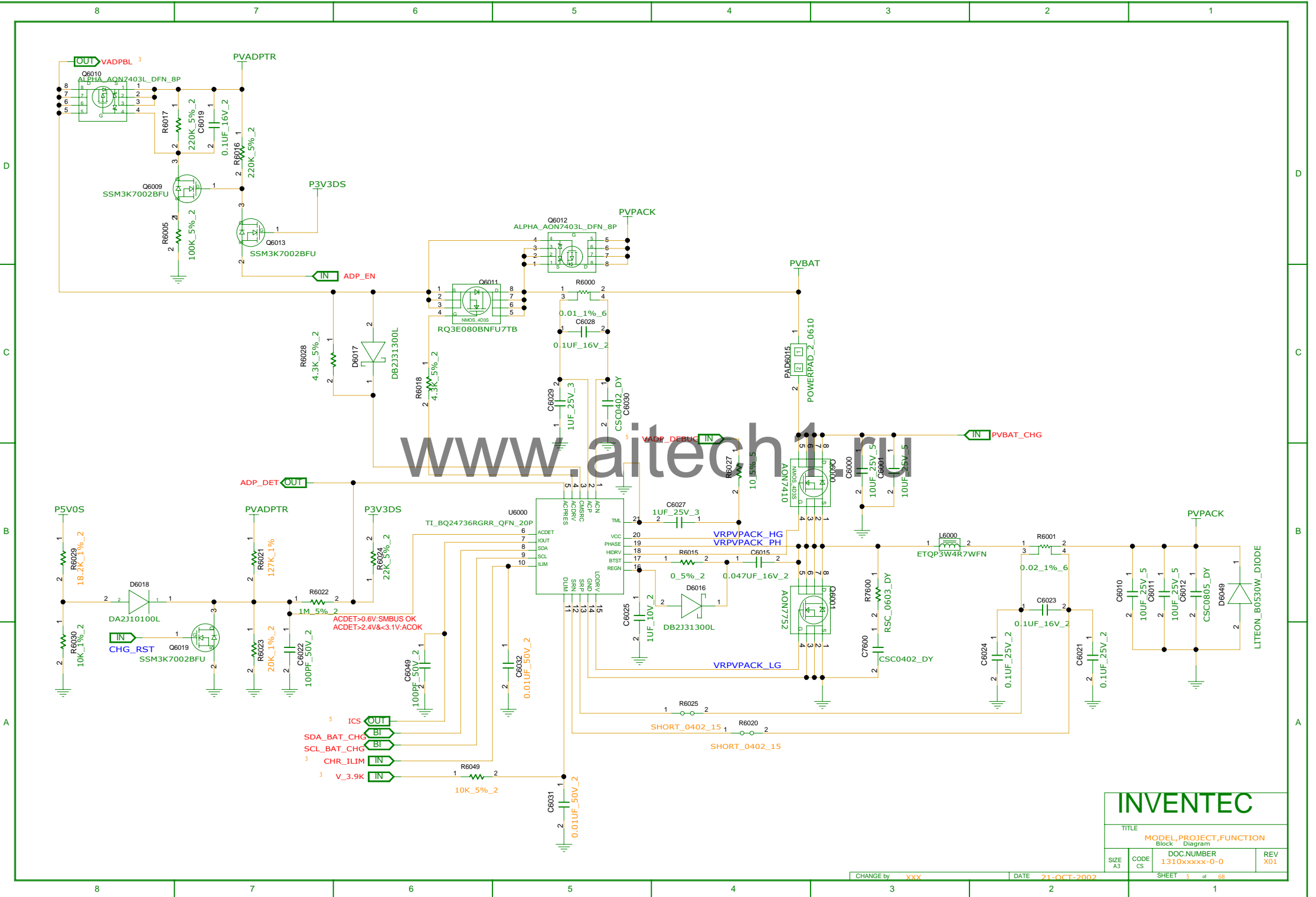
1. PROJECT NAME	26. XDP & ME CONN.	51. KBC, SPI
2. BLOCK DIAGRAM	27. HASWELL_1 (MISC,JTAG)	52. KEYBOARD
3. TABLE OF CONTENTS	28. HASWELL_2 (LPC,SPI,SMBUS,CLINK,PM)	53. TPM
4. POWER BLOCK DIAGRAM	29. HASWELL_3 (GPIO)	54. LAN
5. SYSTEM POWER(CHARGER)	30. HASWELL_4 (GPIO,DP,EDP)	55. WLAN/BT SLOT
6. SYSTEM POWER(BATT SELECTOR)	31. HASWELL_5 (DDR)	56. WWAN SLOT, SIM SLOT
7. SYSTEM POWER(OCP)	32. HASWELL_6 (PCIE,USB)	57. DOCK
8. SYSTEM POWER(P3V3A&P5V0A)	33. HASWELL_7 (RTC,AUDIO,SATA,JTAG)	58. B TO B CONN, POINT STICK CONN
9. P3V3A&P5V0A_CHG PORT	34. HASWELL_8 (CLK)	59. AUDIO CODEC
10. SYSTEM POWER(P1V5)	35. HASWELL_9 (POWER)	60. AUDIO JACK, MIC AMP.
11. SYSTEM POWER(P1V05_M)	36. HASWELL_10 (POWER)	61. CARD READER
12. SYSTEM POWER(P1V05S)	37. HASWELL_11 (GND)	62. BUTTON, LED
13. USB HUB POWER (P1V2A)	38. SYSTEM MEMORY (DIMM0)	63. SMART CARD DAUGHTER BOARD
14. SYSTEM POWER(PVCORE&PVAXG-1)	39. SYSTEM MEMORY (DIMM1)	64. CRT & USB B TO B CONN
15. SYSTEM POWER(PVCORE&PVAXG-2)	40. 4-LANE DP1.2 DEMUX	65. SCREW
16. POWER SEQUENCE (SLEEP)	41. 2-LANE DP1.2 DEMUX	66. EMI/RF SOLUTION
17. DC JACK & BATTERT CONN.	42. DP TO VGA CONVERTER	
18. HP_OCP	43. DP CONN	
19. RESERVED	44. LCM (EDP/LVDS) & WEBCAM CONN	
20. RESERVED	45. SATA HDD & NGFF HDD	
21. RESERVED	46. USB HUB	
22. RESERVED	47. USB3 PORTS, USB CHARGE PORT	
23. RESERVED	48. CRT & USB DB	
24. POWER (SEQUENCE)	49. FINGERPRINT READER, NFC	
25. FAN & THERMAL	50. ACCELEMETER	

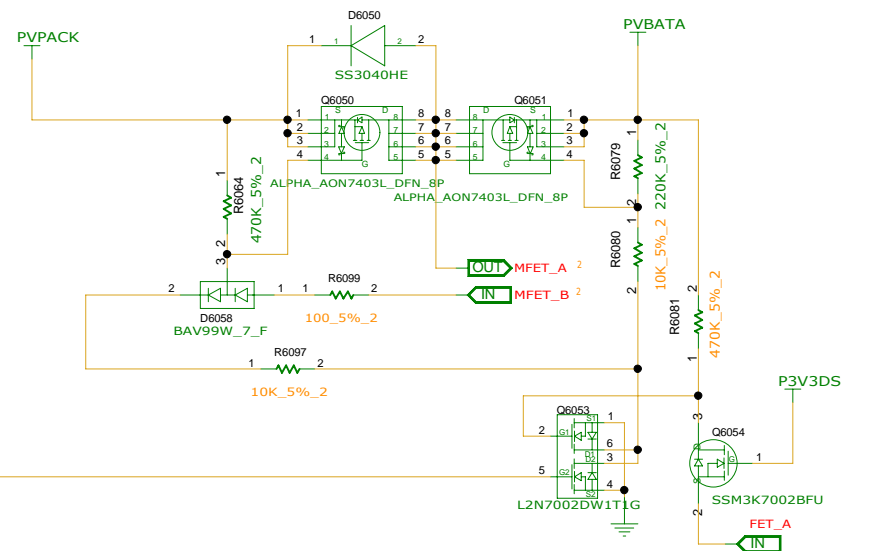
INVENTEC

TITLE
MODEL,PROJECT,FUNCTION
TABLE OF CONTENTS

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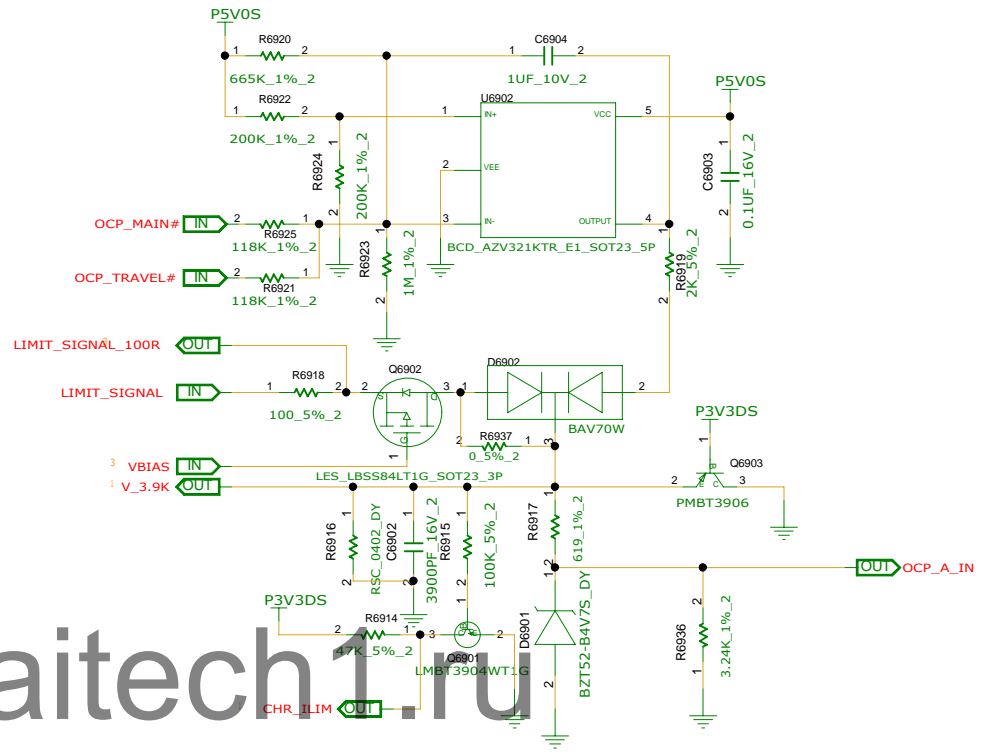
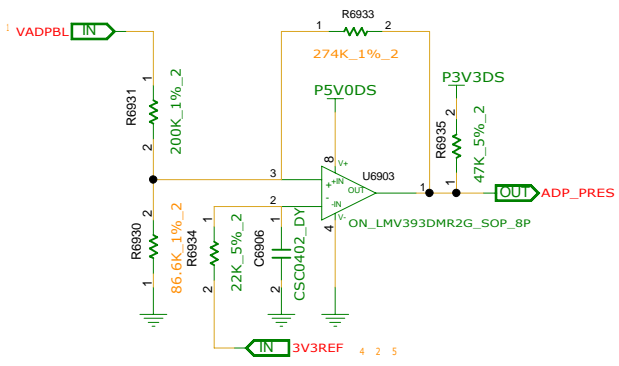


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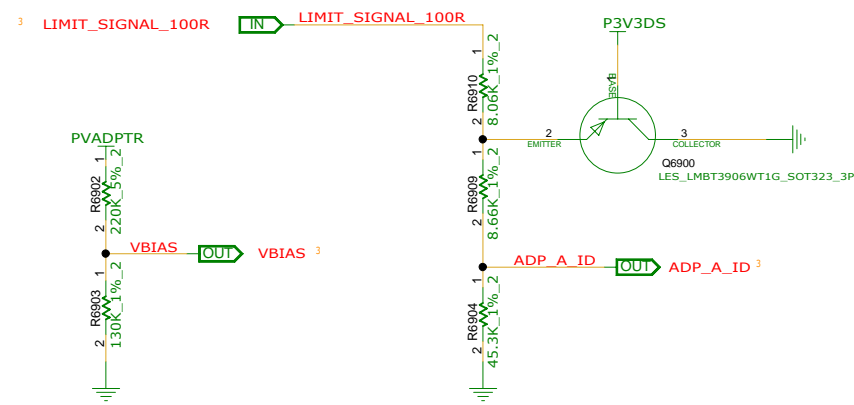
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CHANGE by	XXX	DATE	21-OCT-2002
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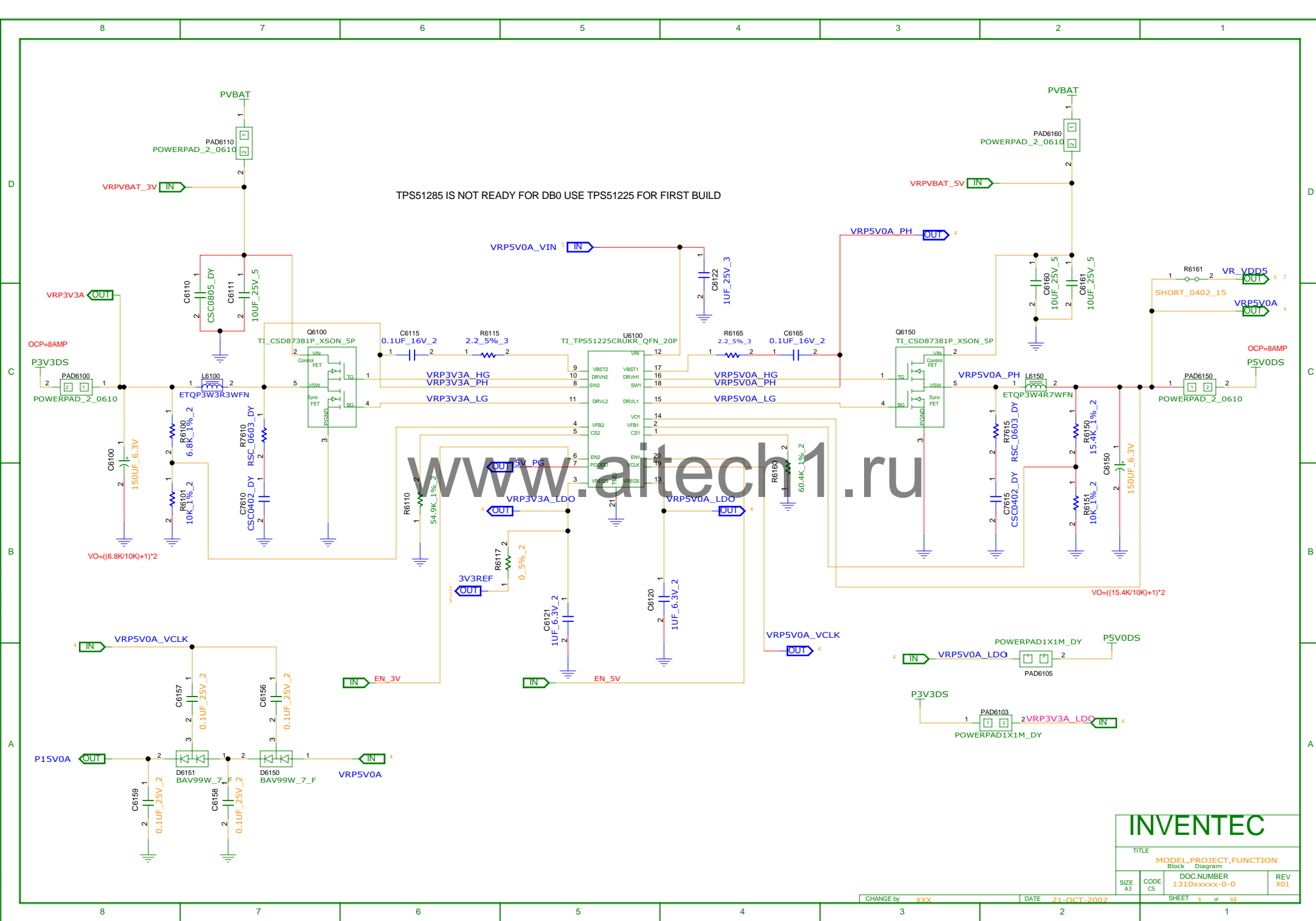
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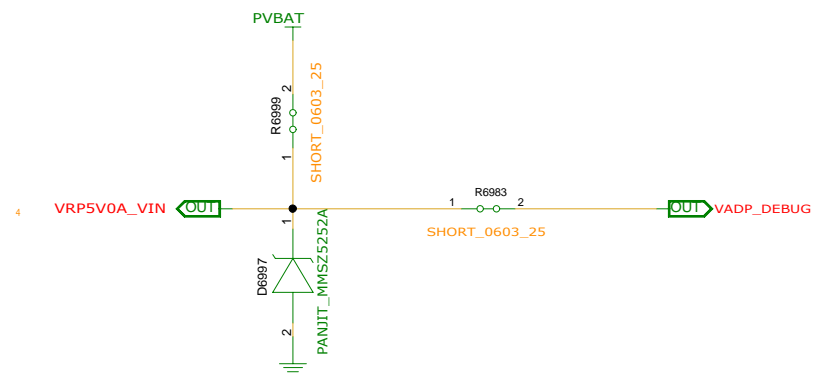
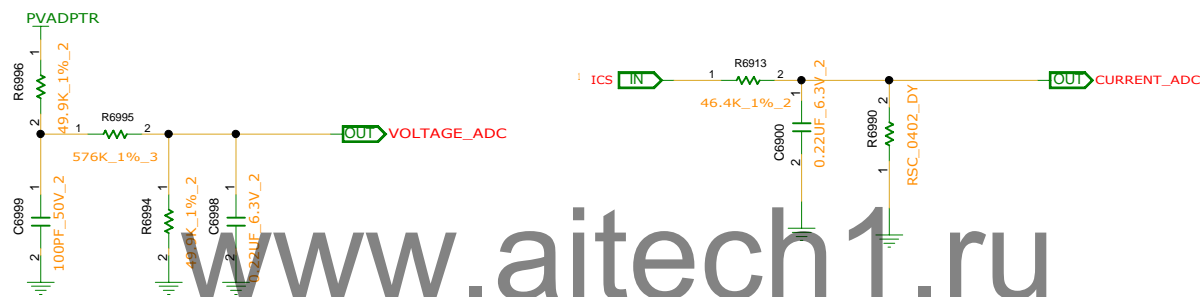
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INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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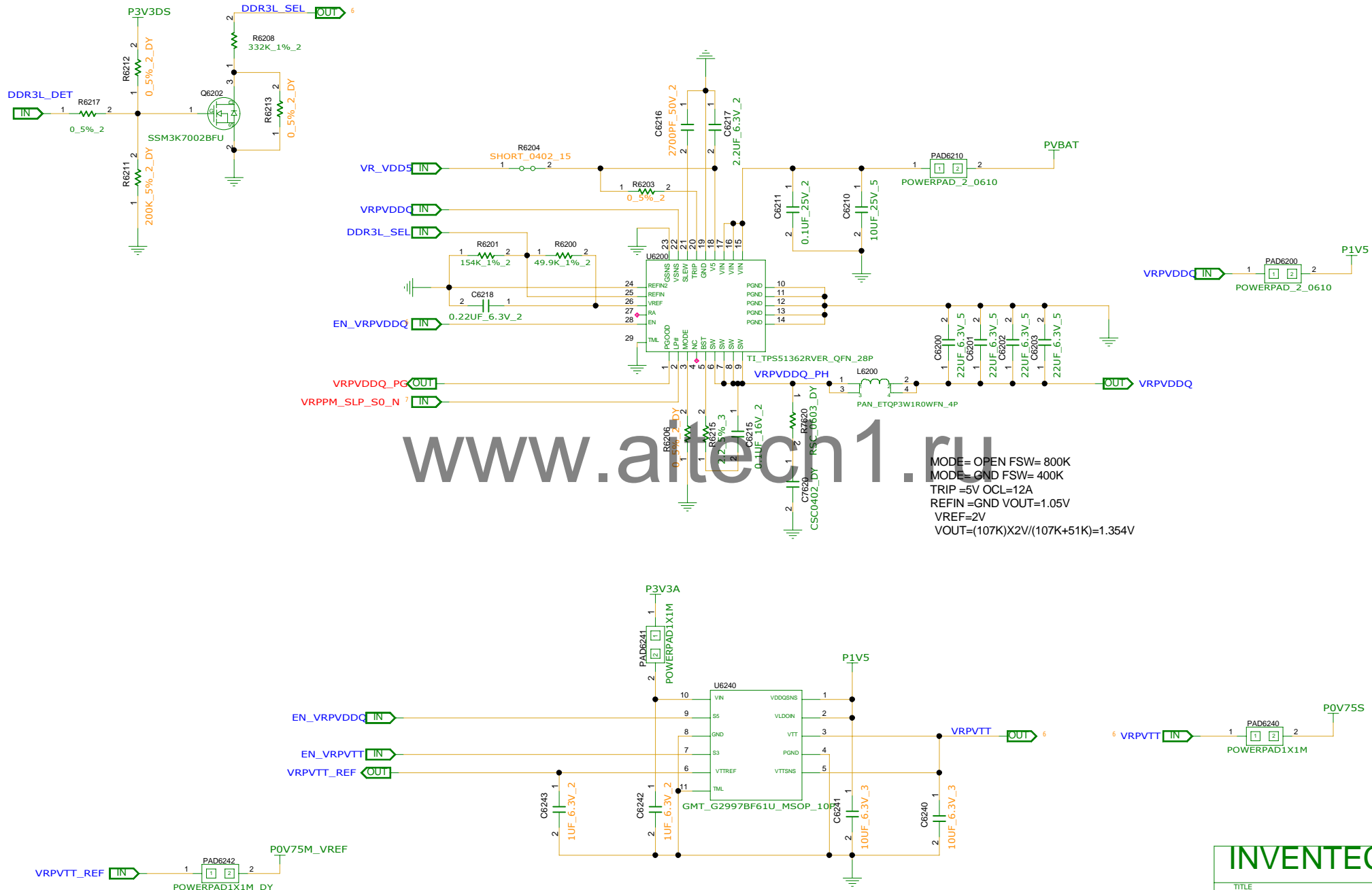


PMC



INVENTEC

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

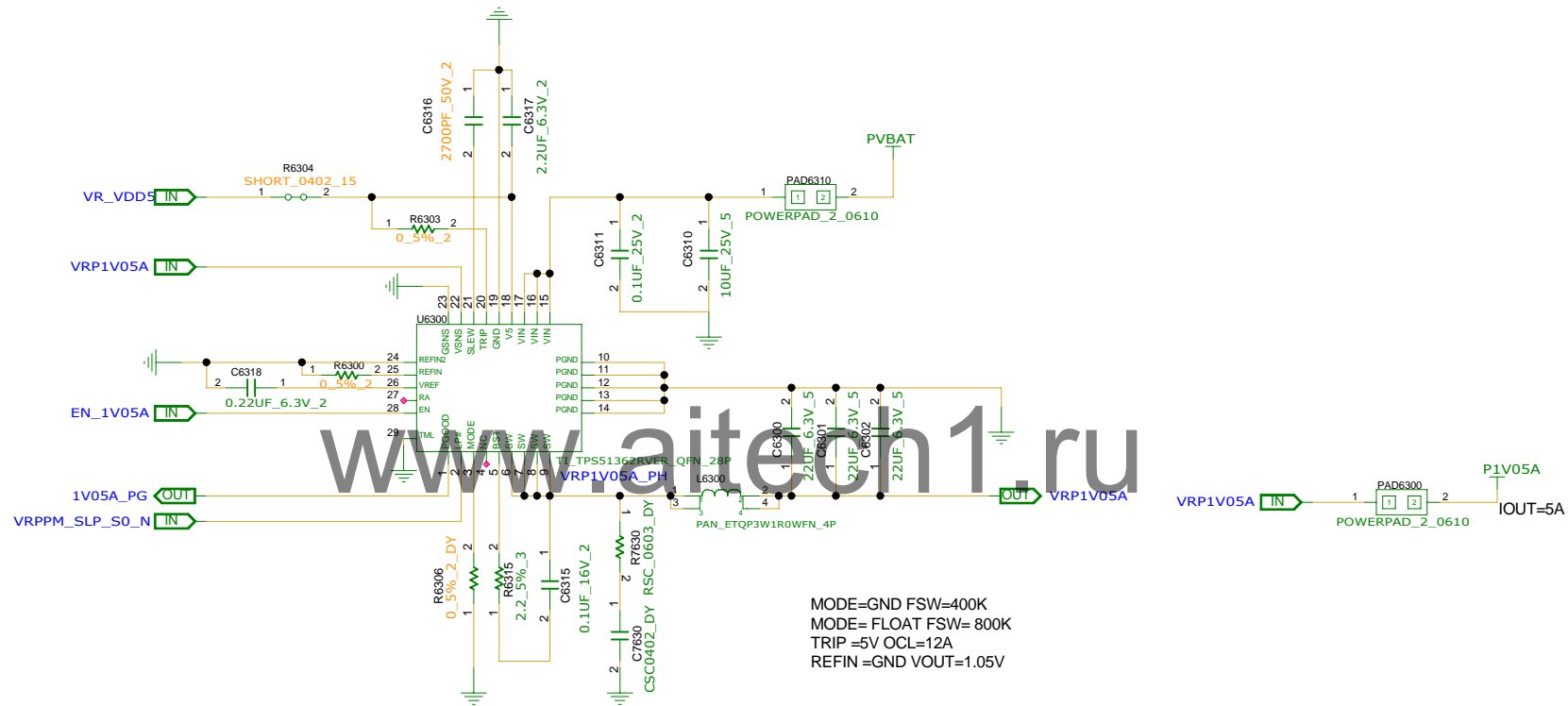
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MODEL,PROJECT,FUNCTION
Block Diagram

DOC NUMBER
1310xxxxx-0-0

REV
X01

CHANGE by XXX DATE 21-OCT-2002

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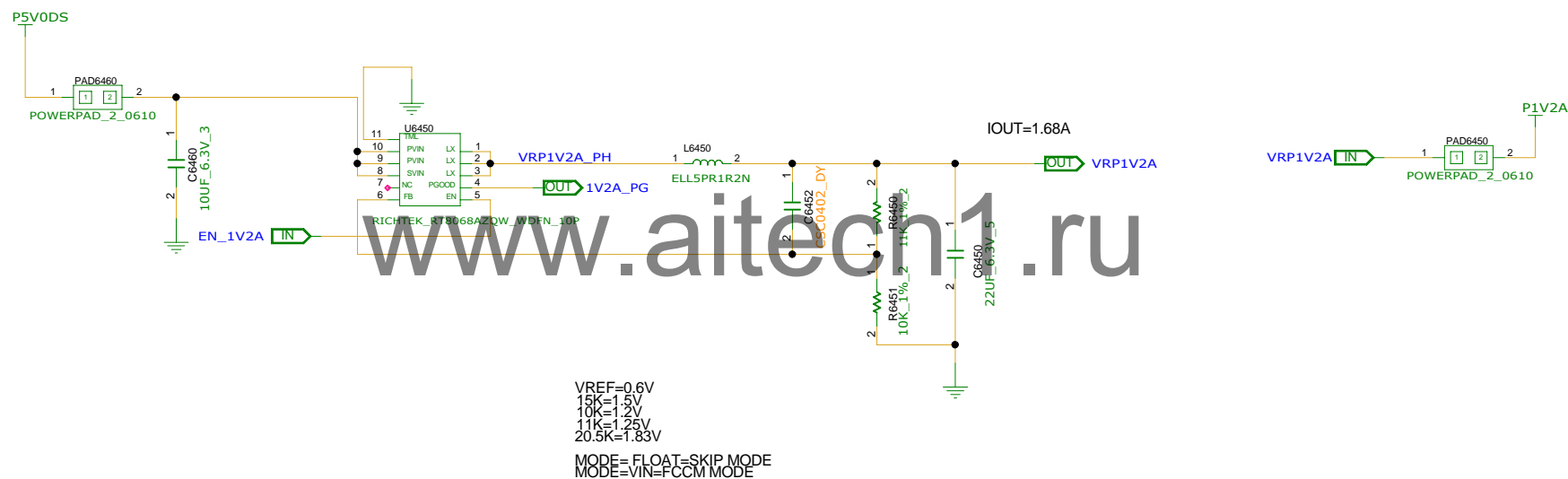
INVENTEC

TITLE
 MODEL,PROJECT,FUNCTION
 Block Diagram

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

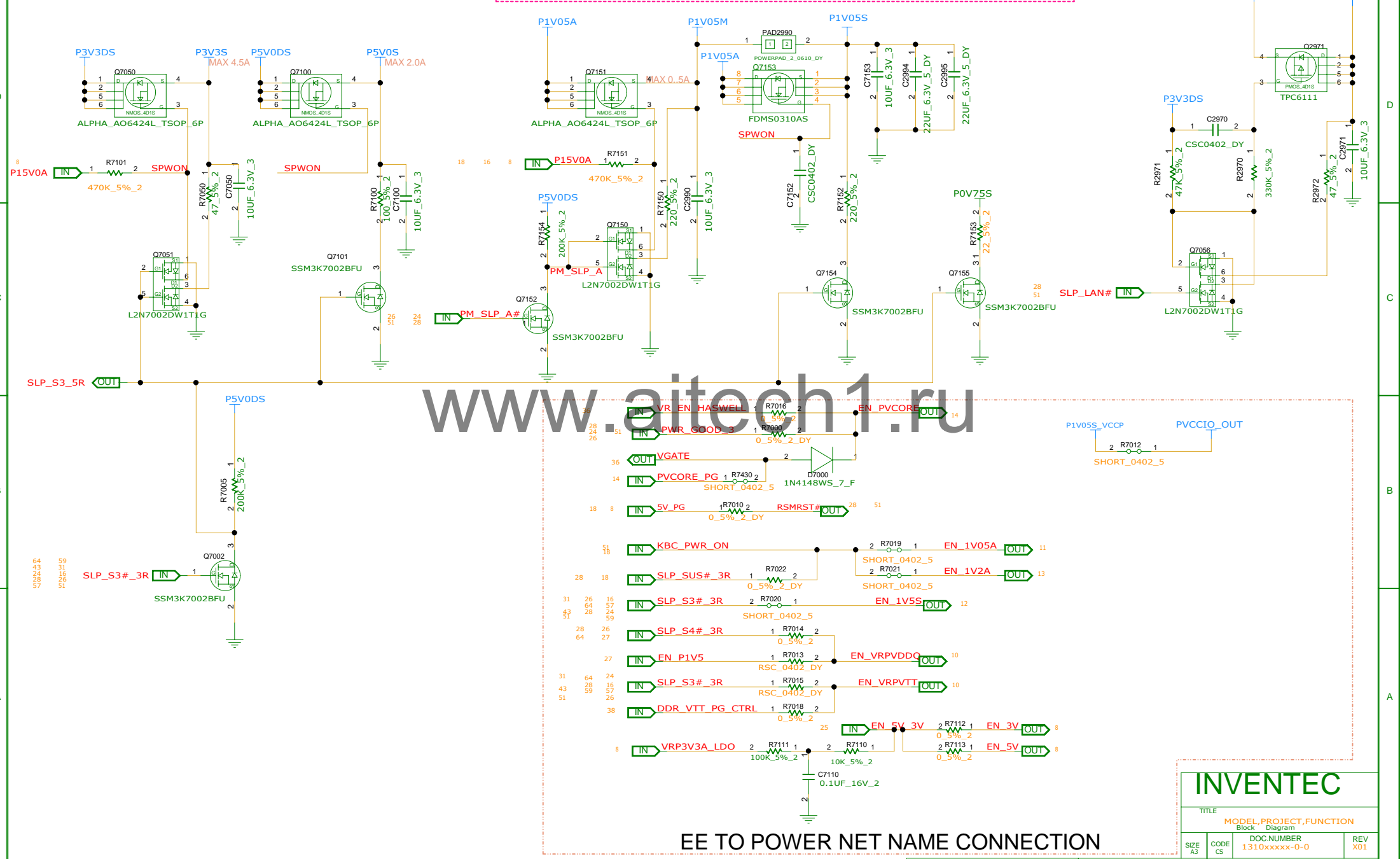
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SIZE A3 CODE CS DOC NUMBER 1310xxxxx-0-0 REV X01

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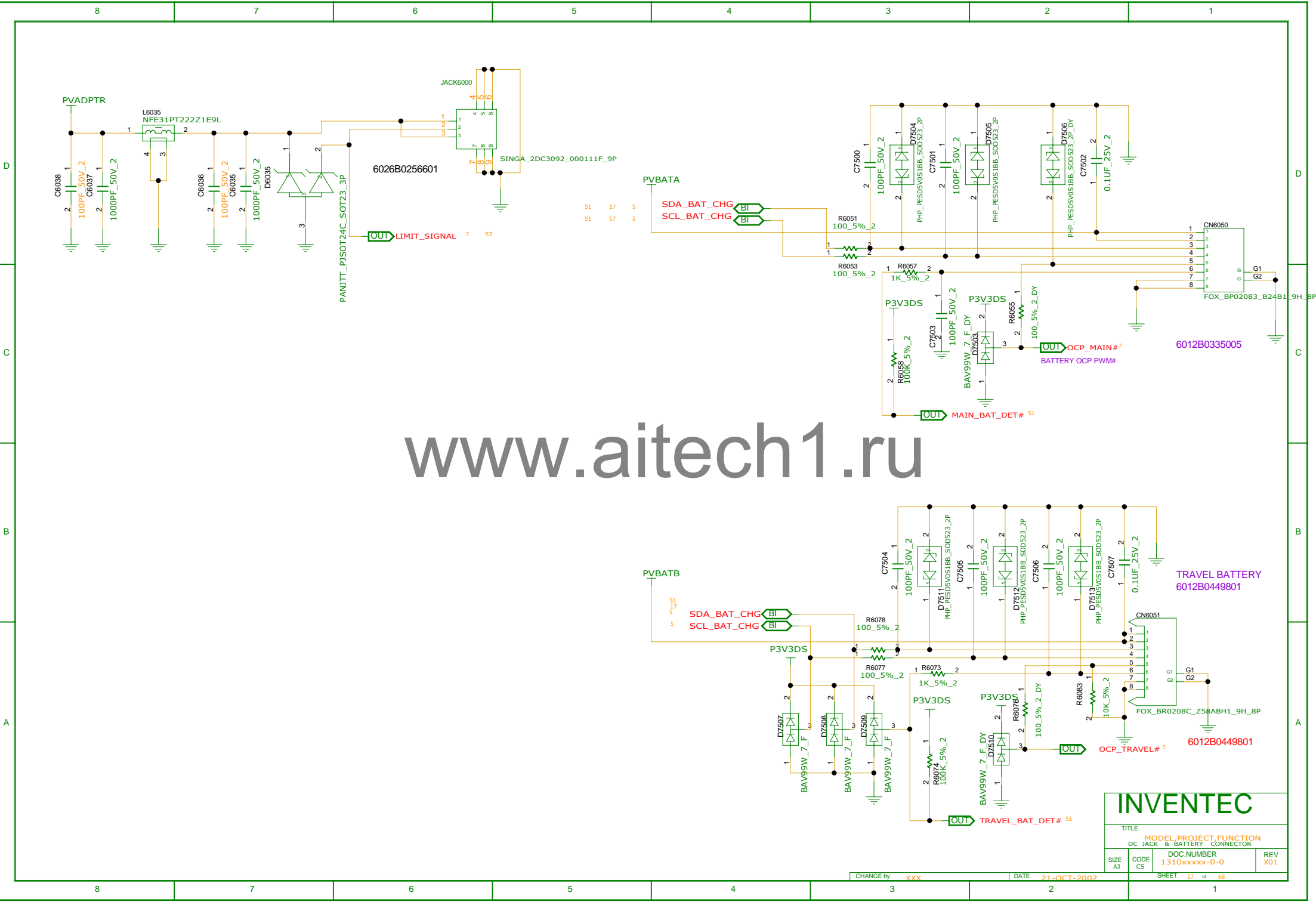
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PAD2990	Q7151	Q7150	Q7152	R7150	R7151	R7154
NON-IAMT	UN-INSTALL	UN-INSTALL	UN-INSTALL	UN-INSTALL	UN-INSTALL	UN-INSTALL
IAMT	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL



EE TO POWER NET NAME CONNECTION

INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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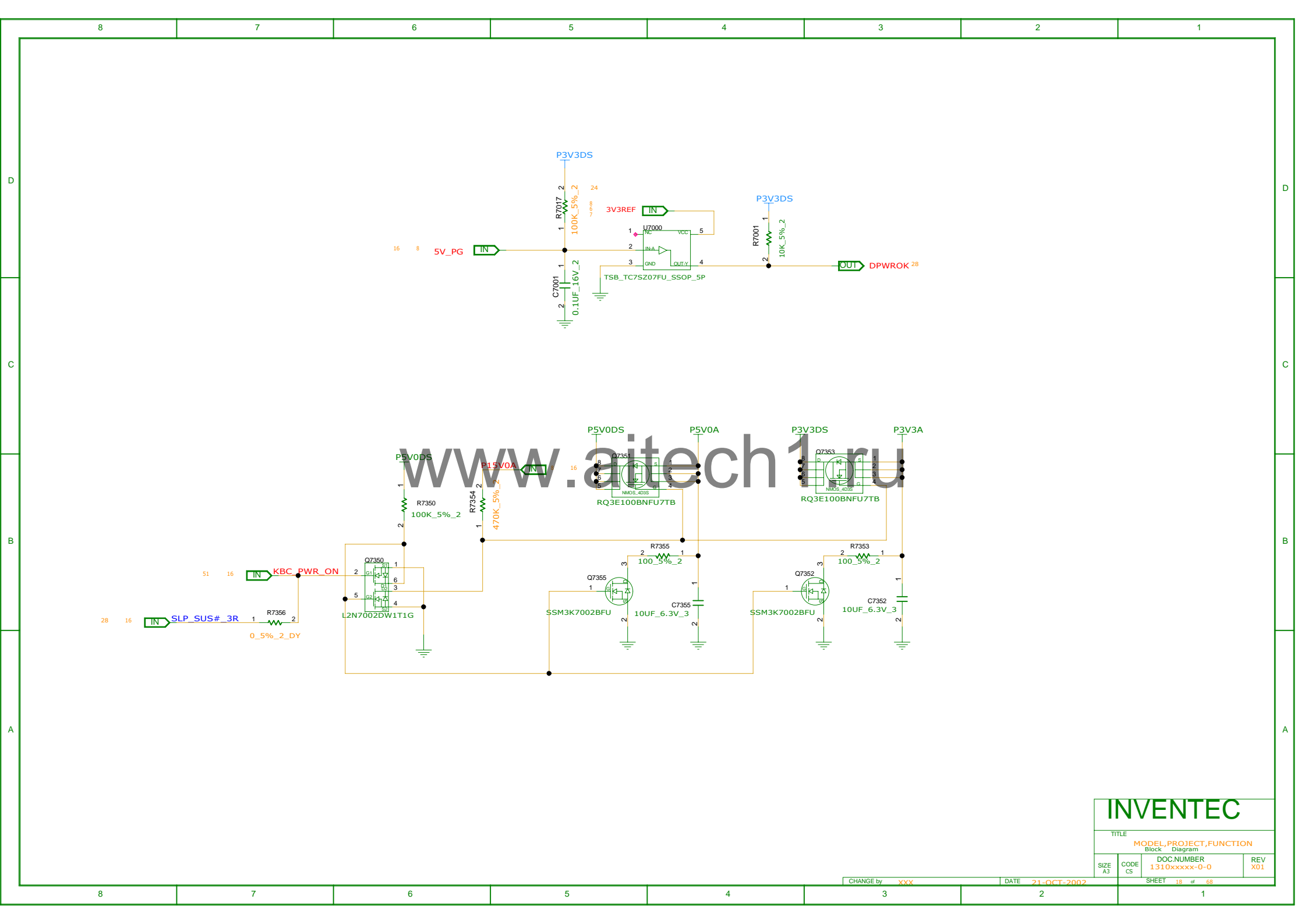
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TITLE
MODEL PROJECT FUNCTION
DC JACK & BATTERY CONNECTOR

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

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CHANGE by YXX DATE 21-OCT-2002



INVENTEC

TITLE
MODEL, PROJECT, FUNCTION
Block Diagram

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

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INVENTEC

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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 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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RESERVED
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INVENTEC

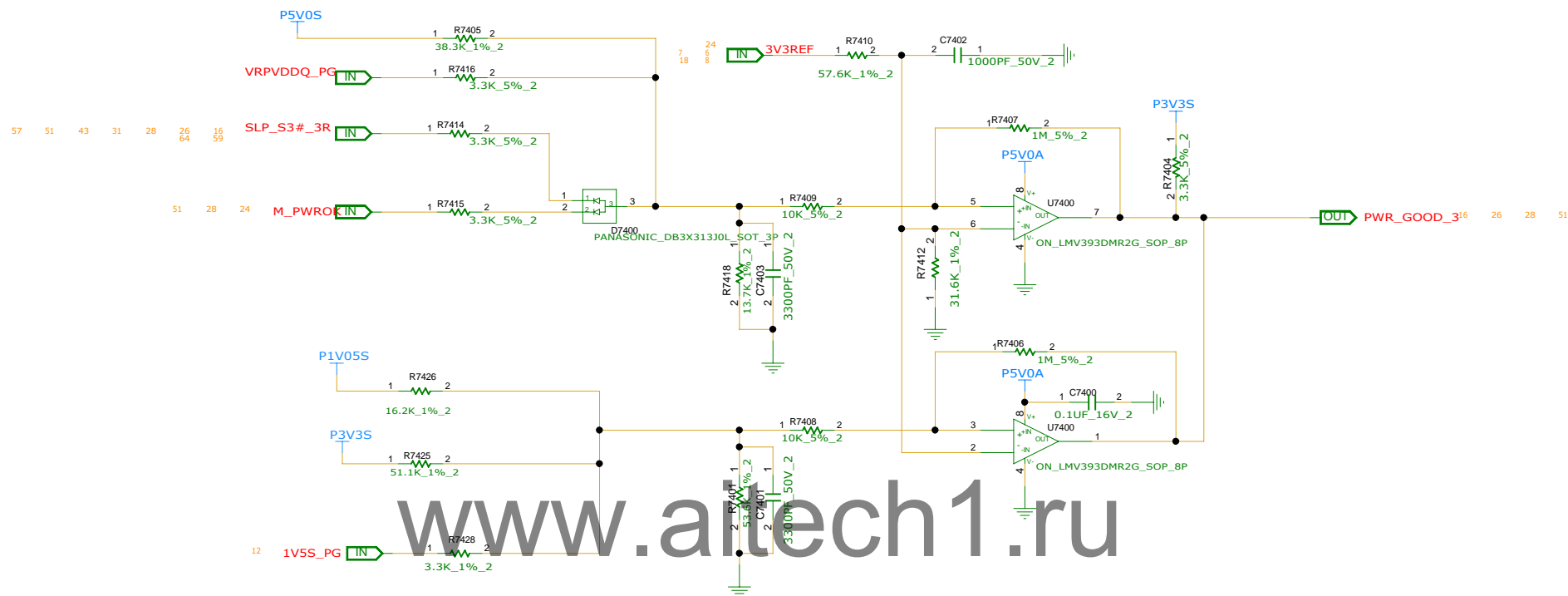
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	Block Diagram

SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
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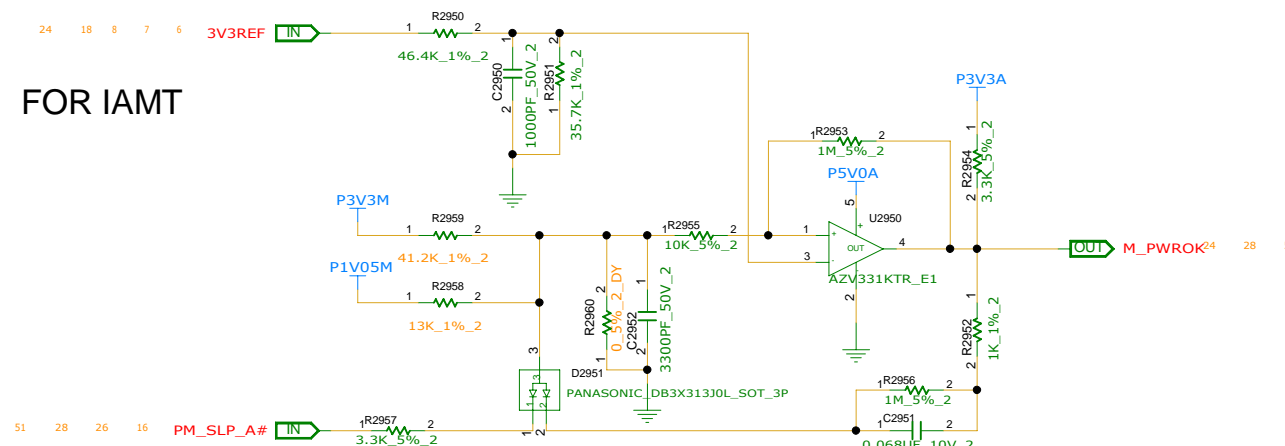
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REFERENCE NUMER : 7400~7450



FOR IAMT



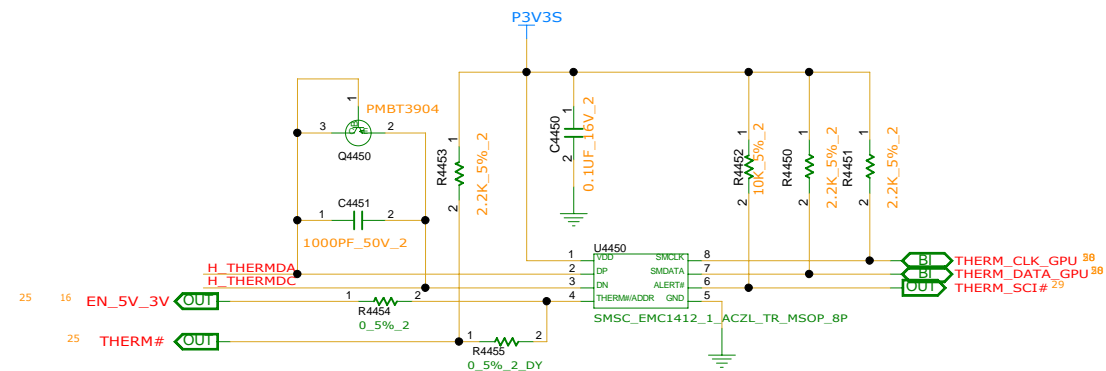
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INVENTEC

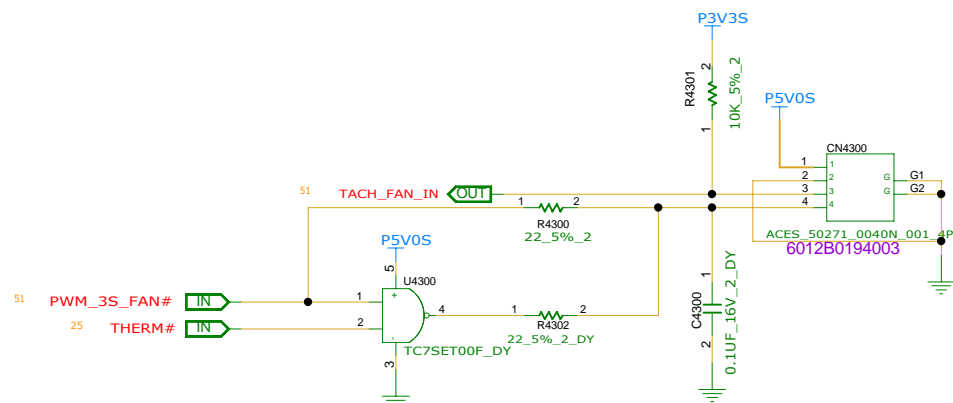
TITLE			
MODEL PROJECT FUNCTION POWER (SEQUENCE)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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REFERENCE NUMBER:4450~4499

THERM SENSOR

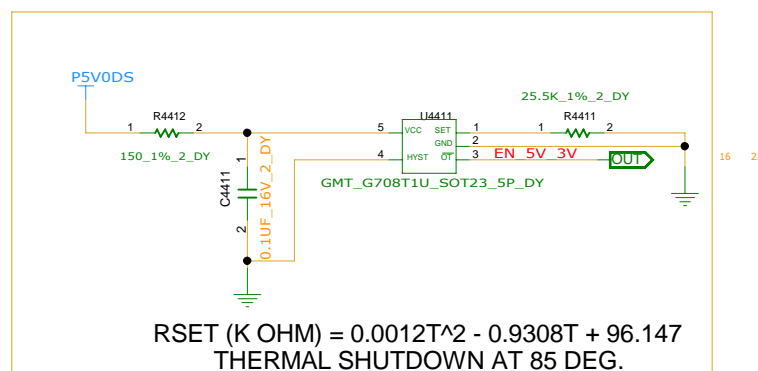


REFERENCE NUMBER:4400~4349



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AMBIENT TEMP SENSE
WILL BE NOT USED IN 2013?

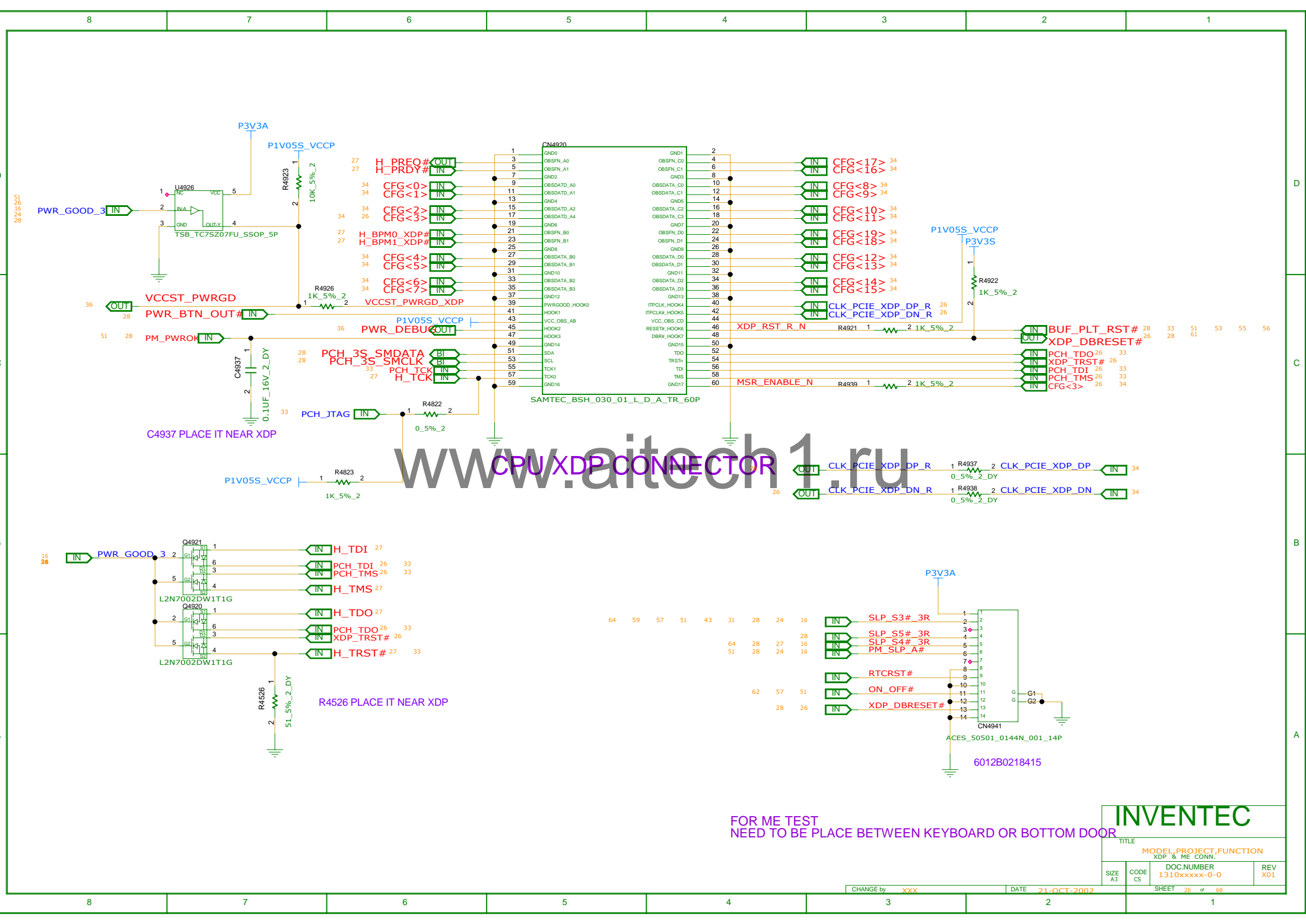


REFERENCE NUMBER:4411~4449

INVENTEC

TITLE			
MODEL PROJECT,FUNCTION			
FAN & THERMAL			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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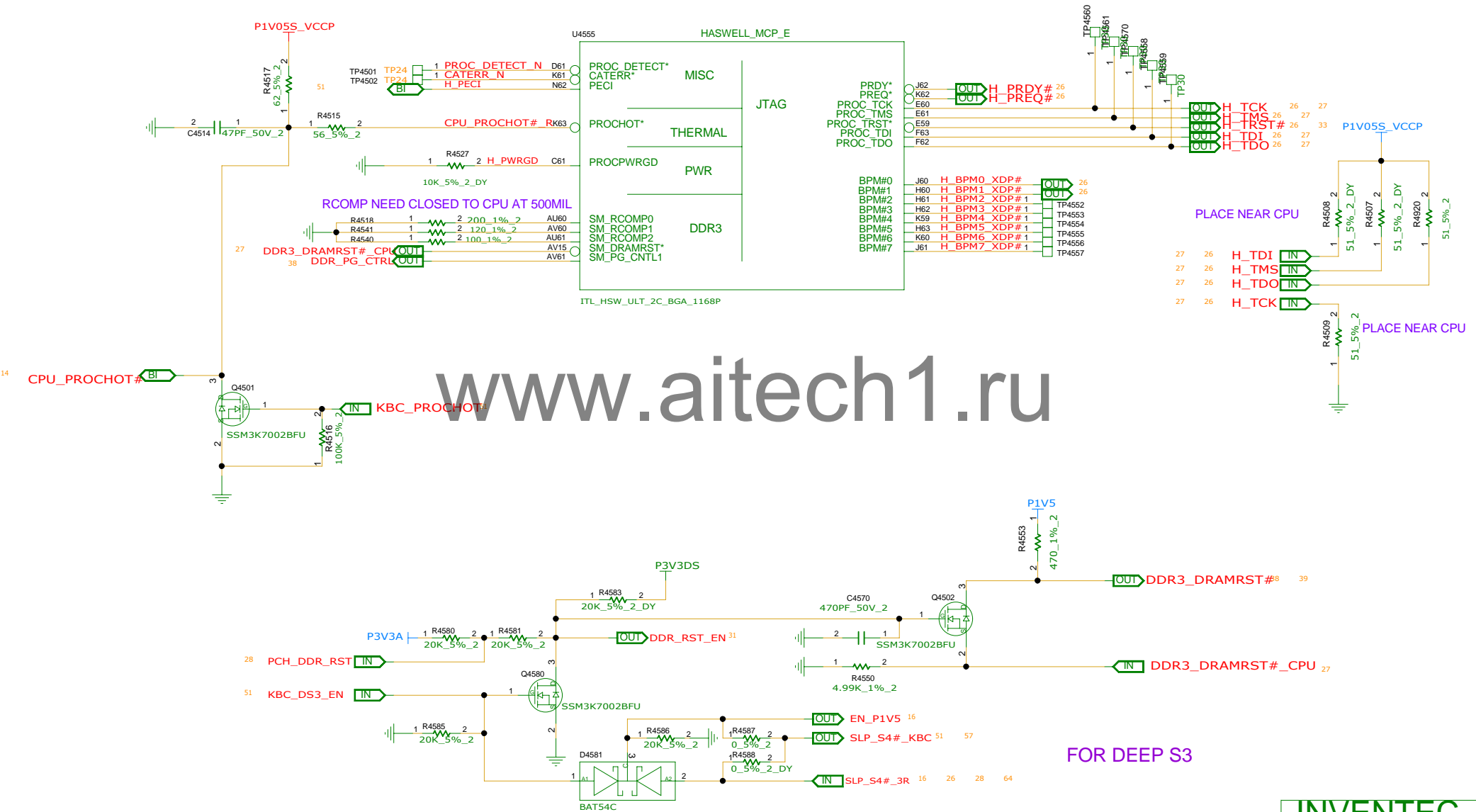
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CPU XDP CONNECTOR

FOR ME TEST
NEED TO BE PLACE BETWEEN KEYBOARD OR BOTTOM DOOR

INVENTEC			
TITLE MODEL PROJECT,FUNCTION XDP & ME CONN			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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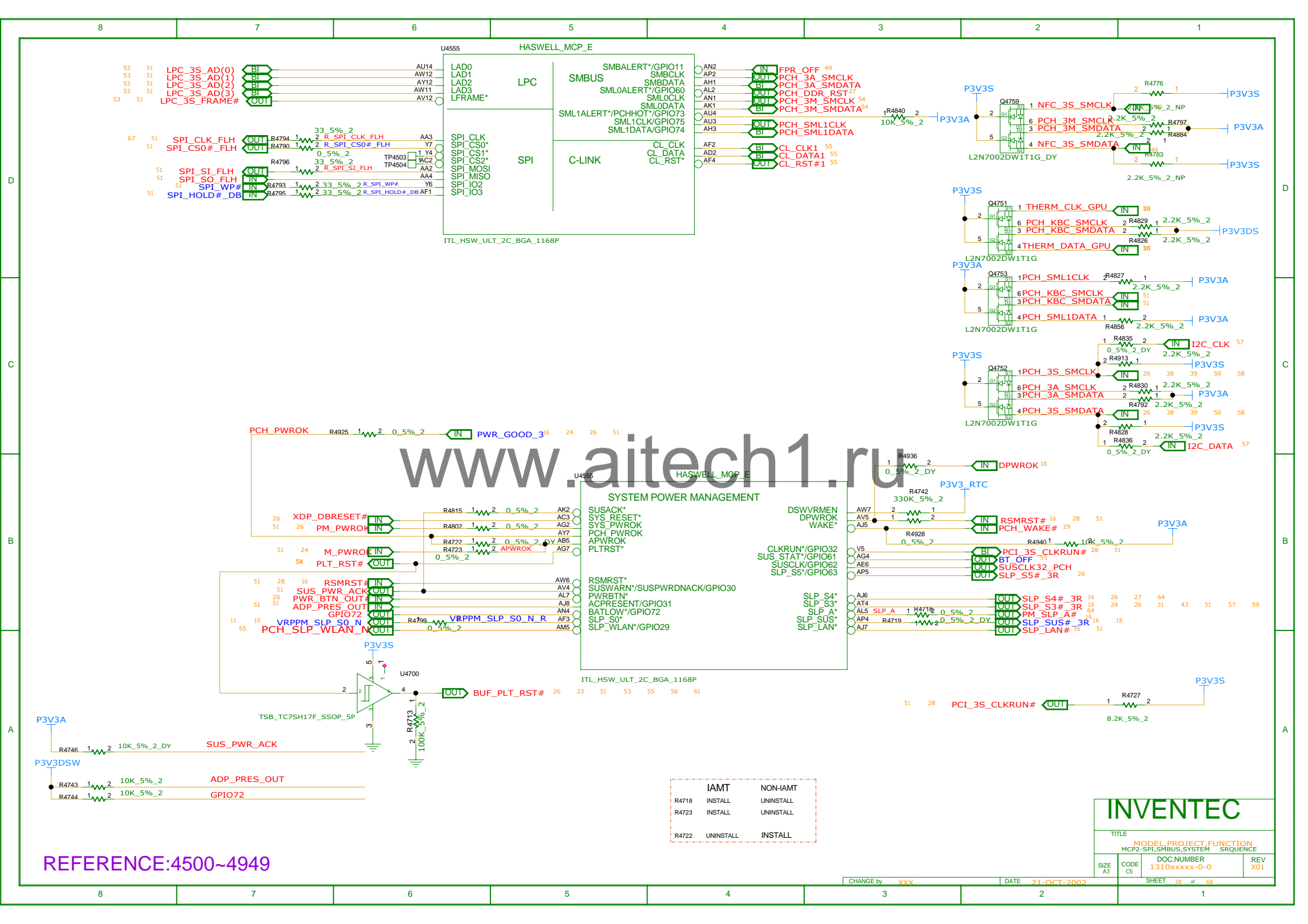
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INVENTEC

TITLE			
MODEL PROJECT,FUNCTION			
MCP1-MISC			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

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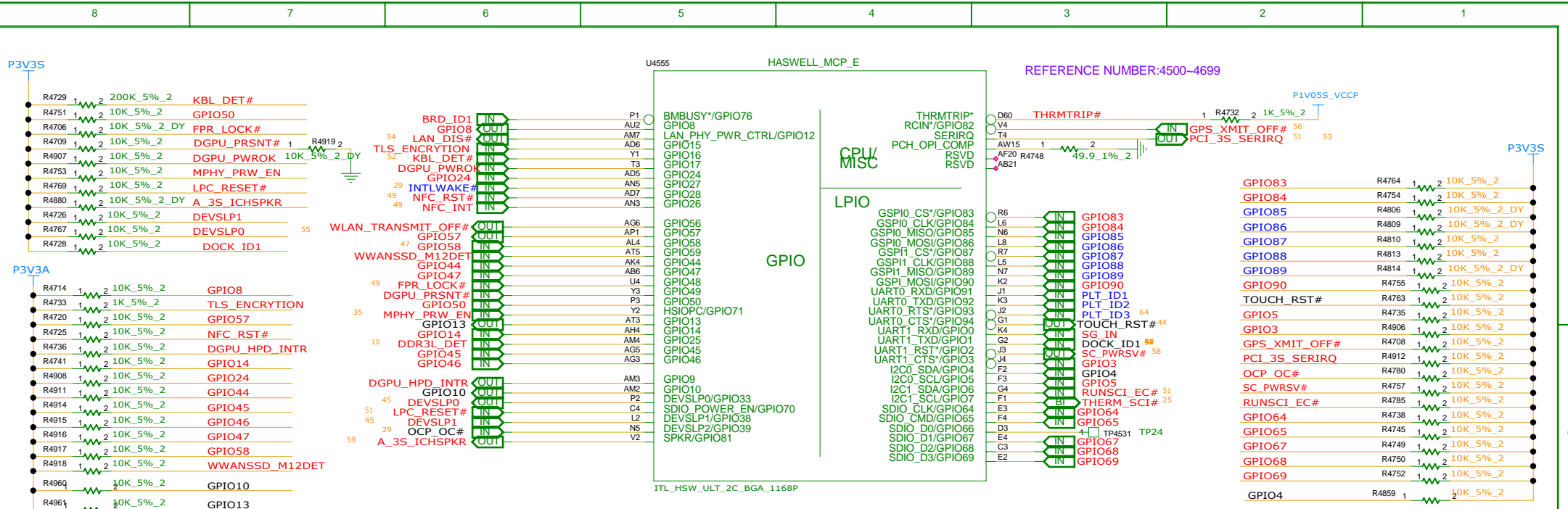
REFERENCE:4500~4949

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

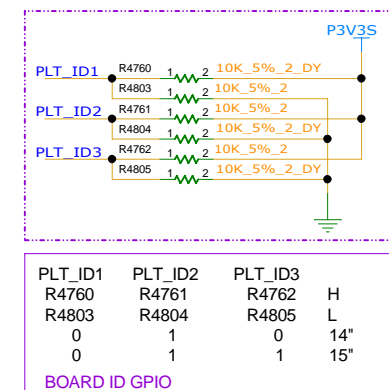
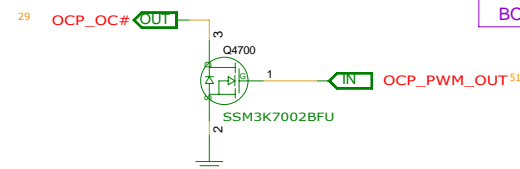
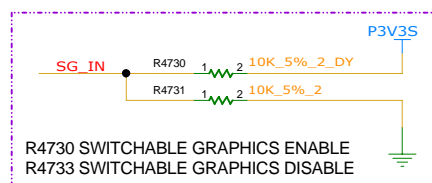
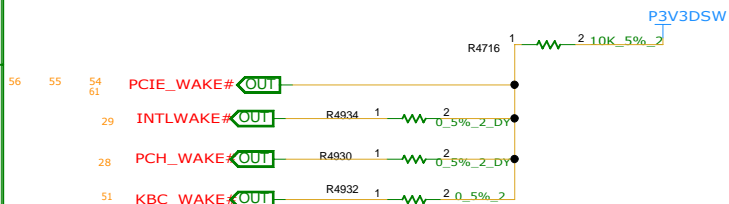
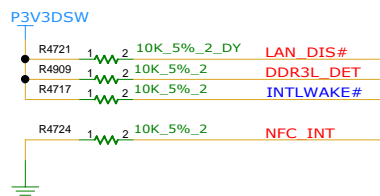
INVENTEC

TITLE			
MODEL PROJECT/FUNCTION			
MCP2-SPI,SMBUS,SYSTEM SRQUENCE			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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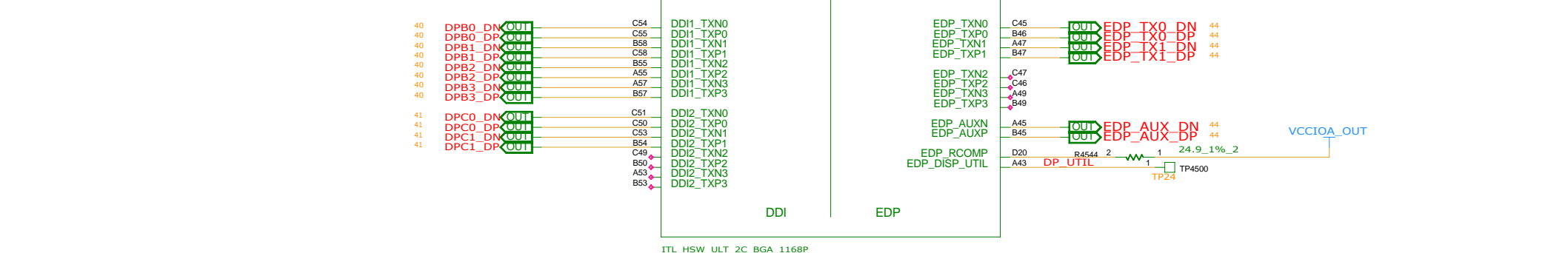
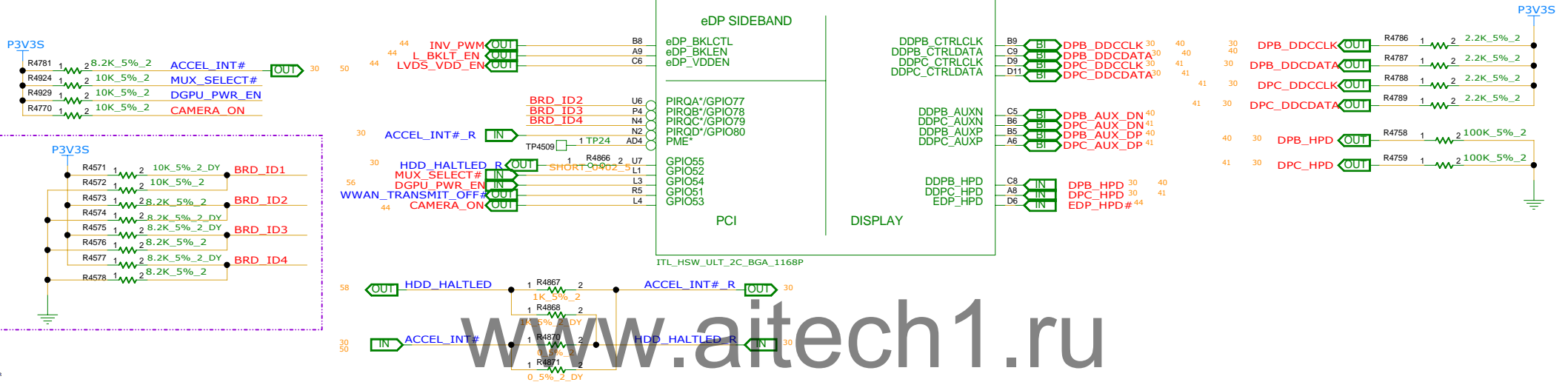
CHANGE by XXX DATE 21-OCT-2002



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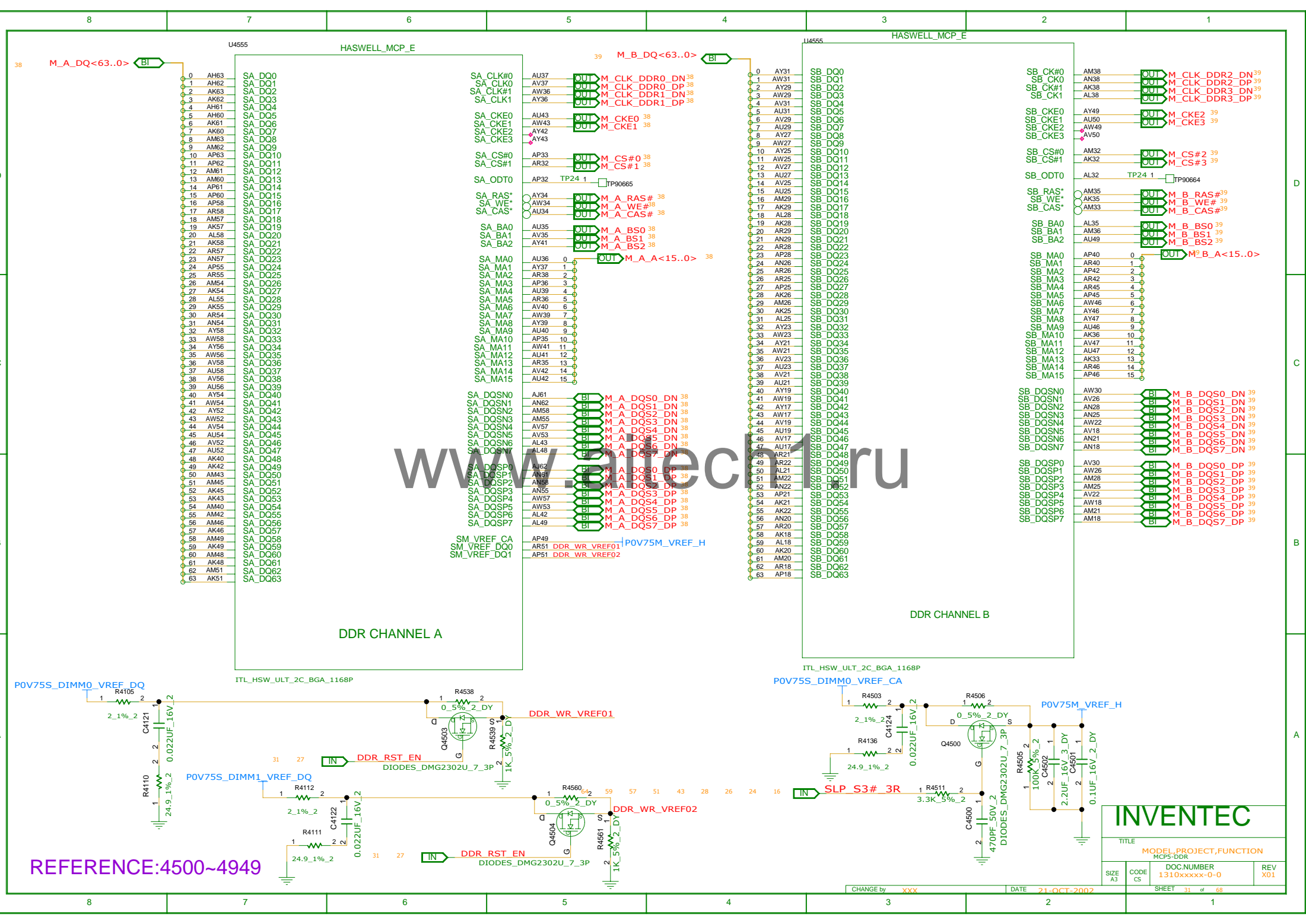


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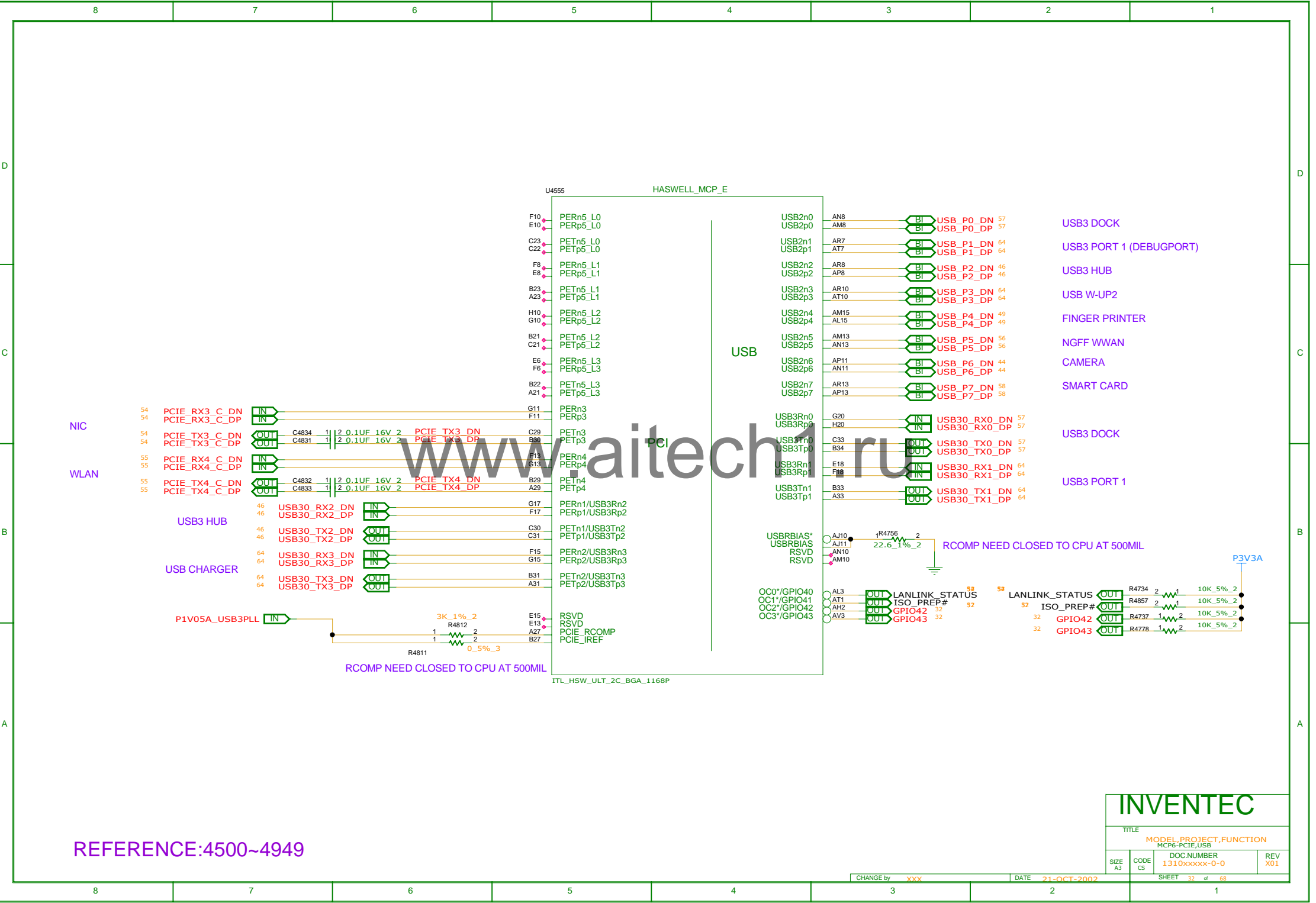
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INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
MCP4-GPIO,DP			
SIZE	CODE	DOC NUMBER	REV
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REFERENCE:4500~4949

INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
MCP5-DDR			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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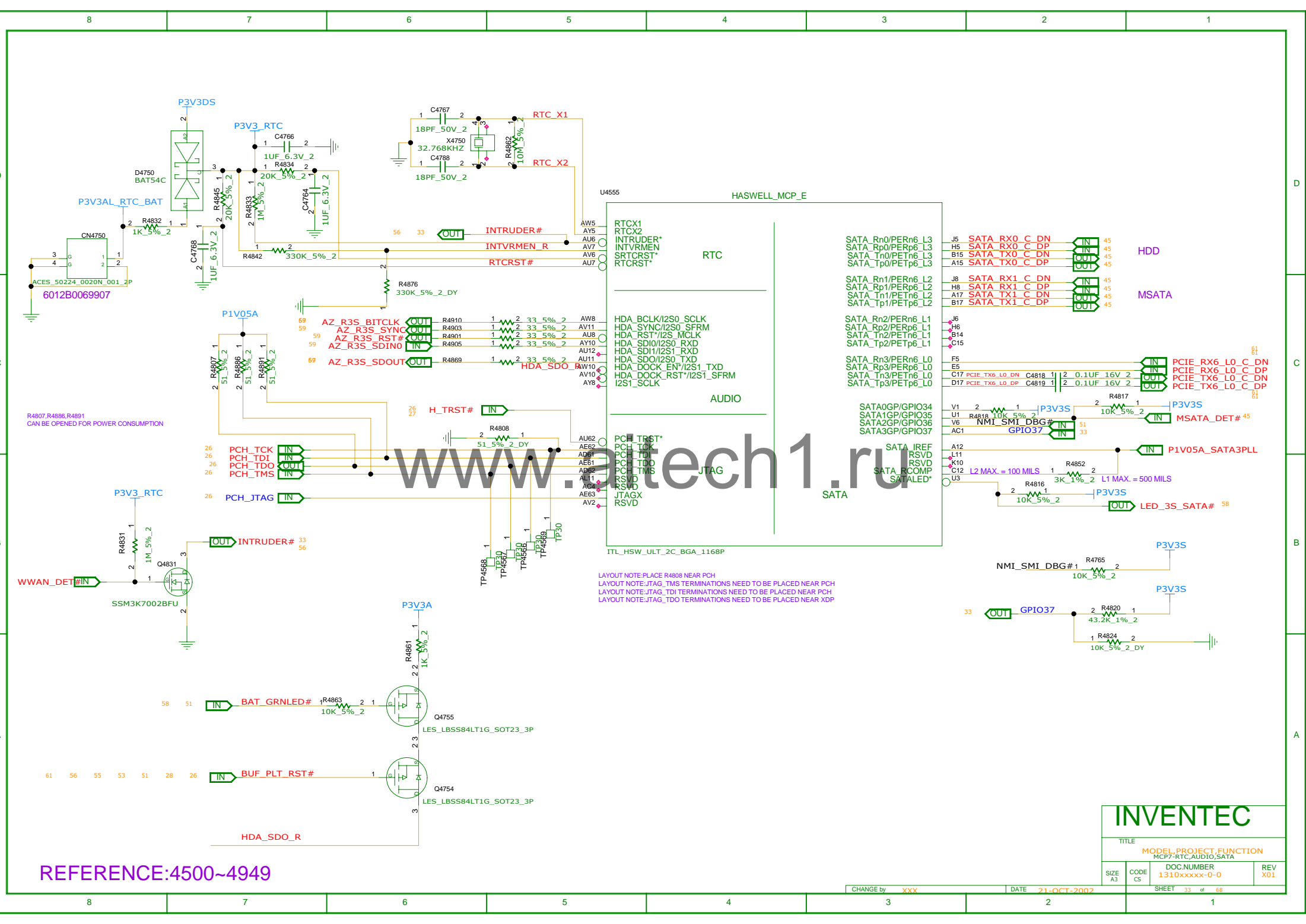


NIC
WLAN

USB HUB
USB CHARGER

REFERENCE:4500~4949

INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
MCP6-PCIe,USB			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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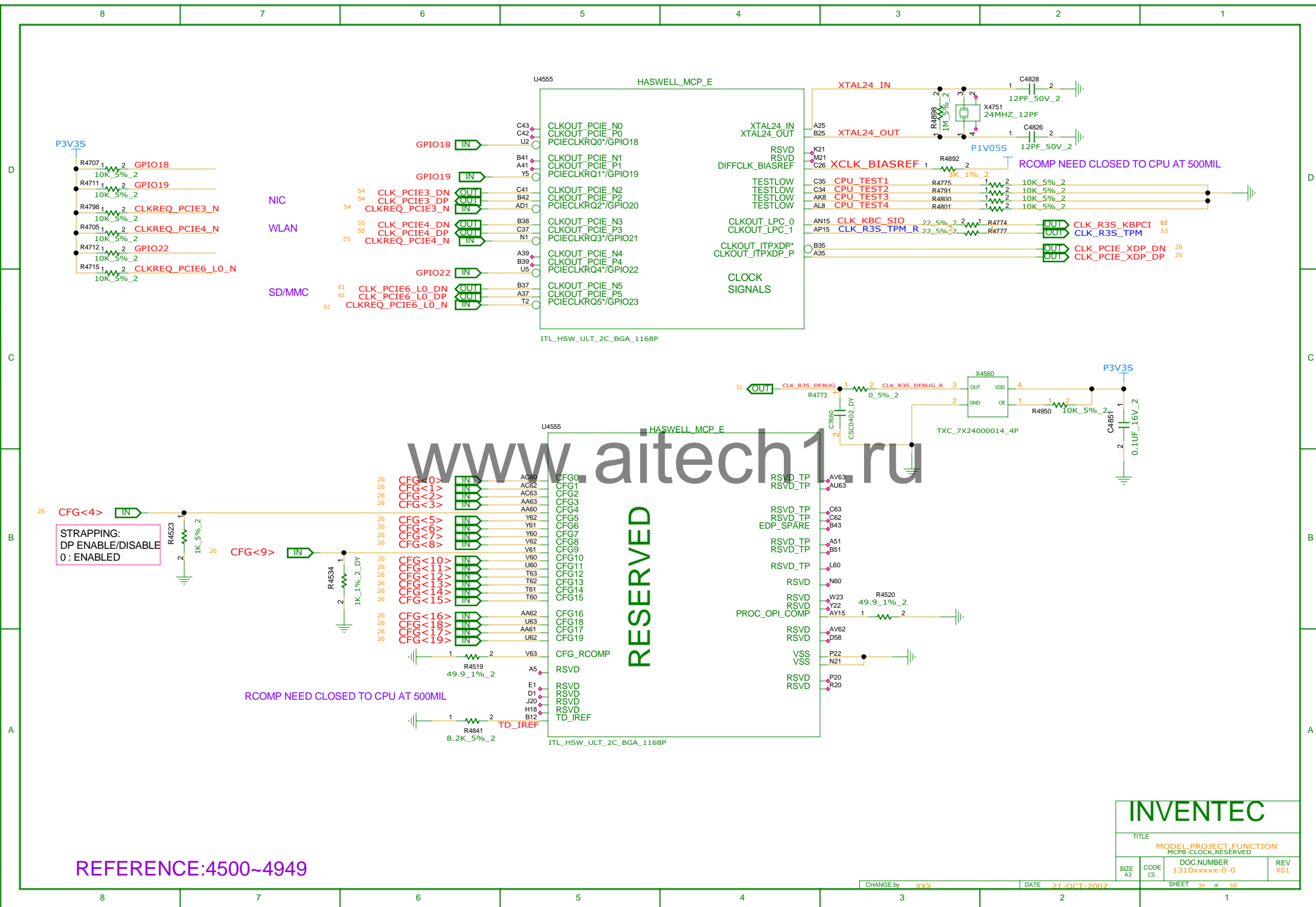


R4807, R4808, R4891
CAN BE OPENED FOR POWER CONSUMPTION

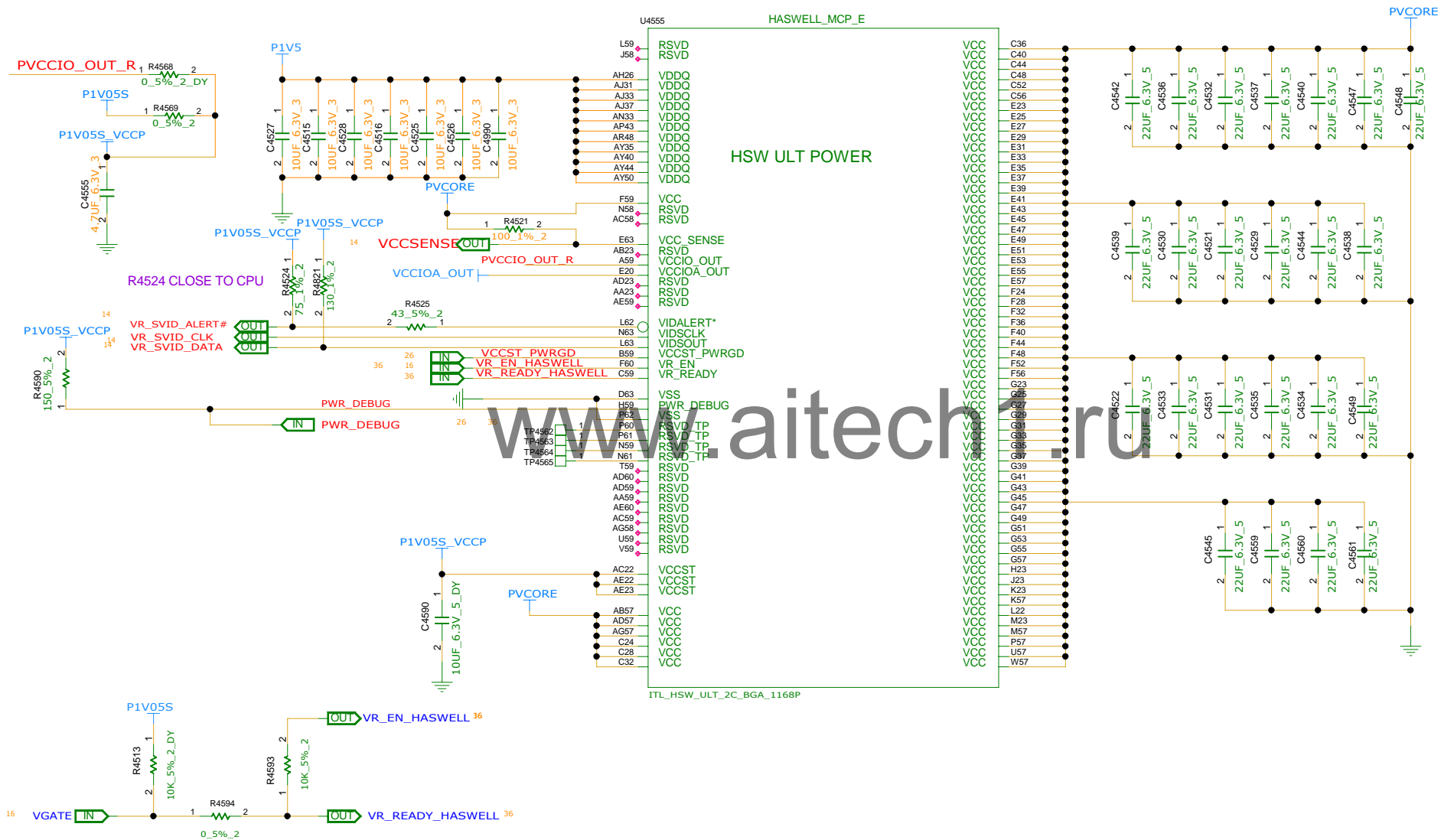
LAYOUT NOTE: PLACE R4808 NEAR PCH
LAYOUT NOTE: JTAG_TMS TERMINATIONS NEED TO BE PLACED NEAR PCH
LAYOUT NOTE: JTAG_TDI TERMINATIONS NEED TO BE PLACED NEAR PCH
LAYOUT NOTE: JTAG_TDO TERMINATIONS NEED TO BE PLACED NEAR XDP

REFERENCE:4500~4949

INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
MCP7-RTC/AUDIO/SATA			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01



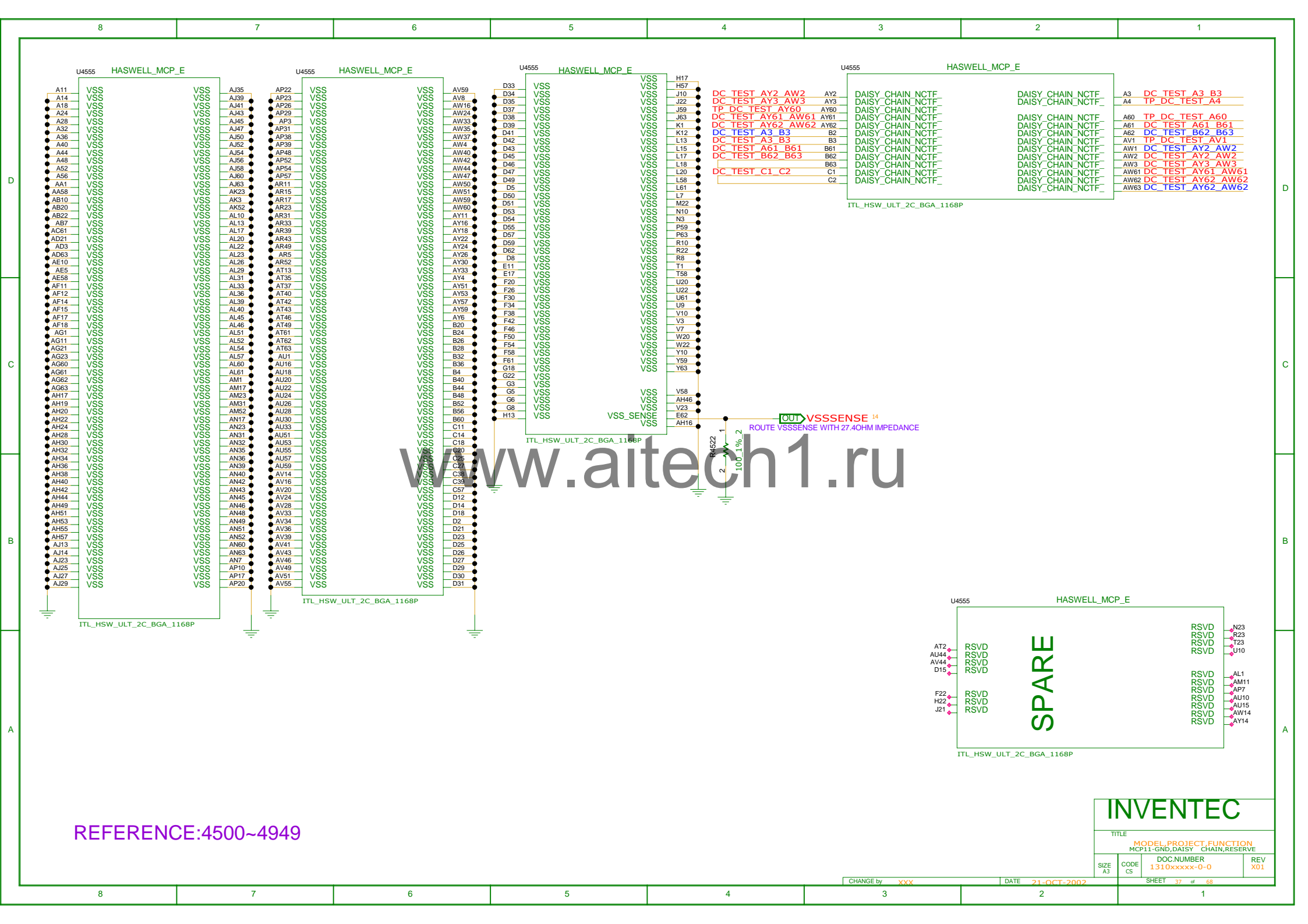
ROUTE VCCSENSE WITH 27.4OHM IMPEDANCE



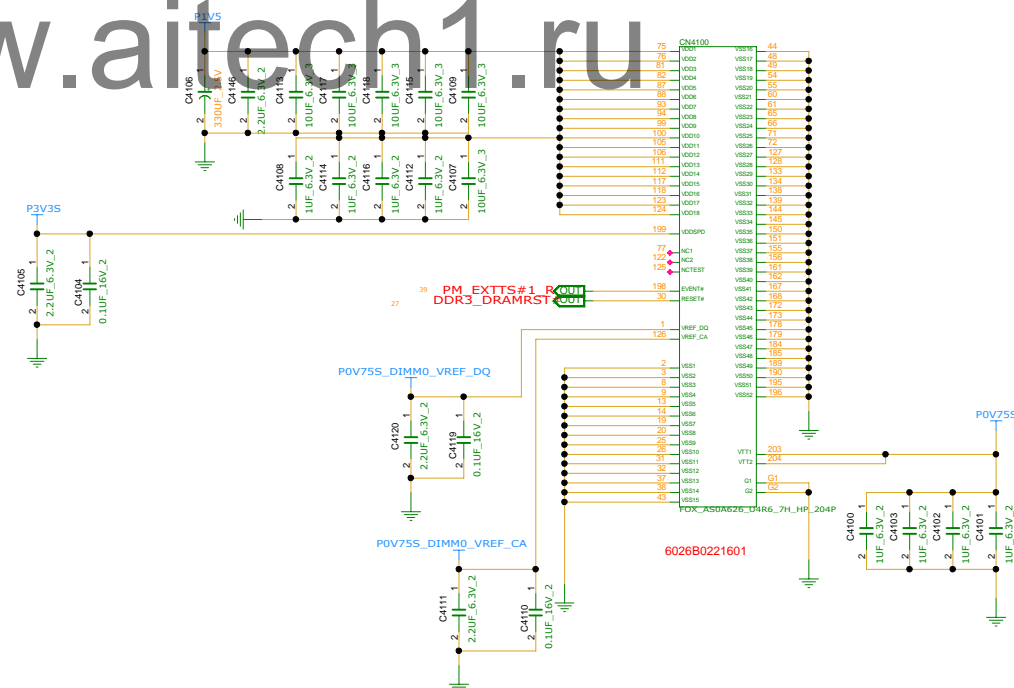
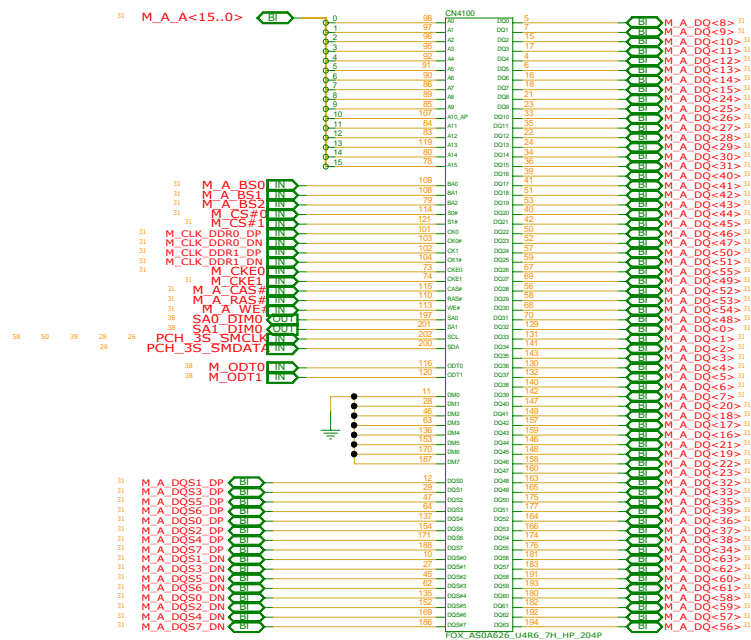
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INVENTEC

TITLE			
MODEL PROJECT,FUNCTION			
MCP10-POWER			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01



REFERENCE:4500~4949



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<p style="margin: 0; color: #008000;">MODEL,PROJECT,FUNCTION</p>			
<p style="margin: 0; color: #008000;">DDR3_SO-DIMM0</p>			
<p style="margin: 0;">SIZE C</p>	<p style="margin: 0;">CODE CS</p>	<p style="margin: 0;">DOC NUMBER 1310xxxxx-0-0</p>	<p style="margin: 0;">REV X01</p>
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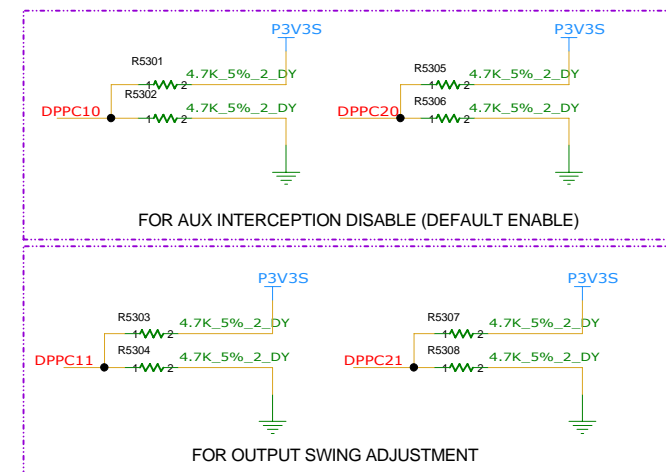
NOTE:
SO-DIMM SPD ADDRESS IS 0X3A
SO-DIMM TS ADDRESS IS 0X34

REFERENCE NUMBER:4100~4299

INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION			
DDR3_SO-DIMM0			
SIZE	CODE	DOC NUMBER	REV
C	CS	13100XXXX-0-0	201
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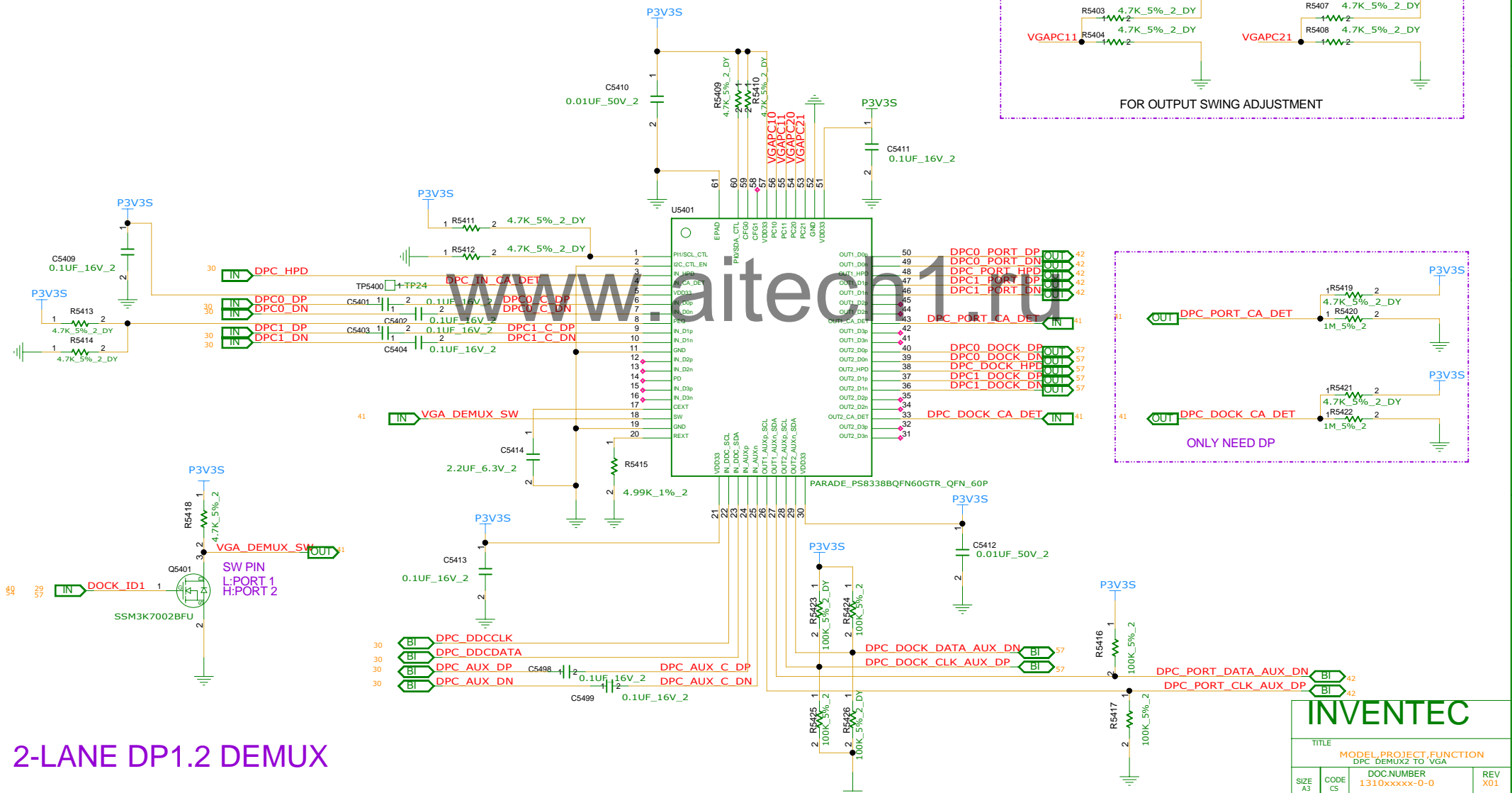
CHANGE by: xxx DATE: 21-OCT-2002



INVENTEC

TITLE			
MODEL PROJECT, FUNCTION DPB DEMUX1 TO DP			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01

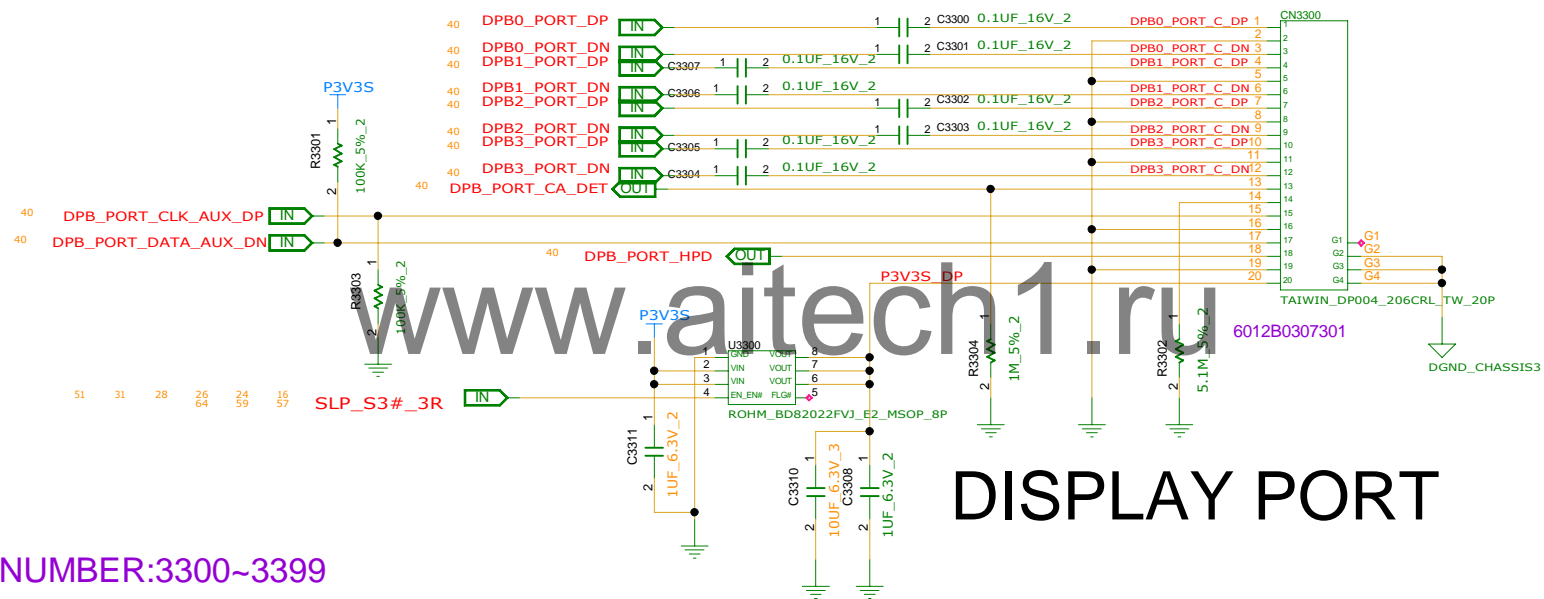
R5409 FOR CHIP OPERATING MODE
R5411, R5412 FOR PROGRAMMABLE INPUT EQUALIZATION LEVELS
R5413, R5414 FOR AUTO TEST ENABLE



2-LANE DP1.2 DEMUX

INVENTEC

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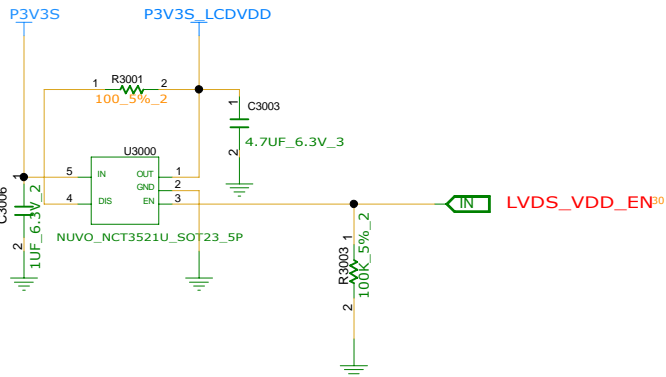


DISPLAY PORT

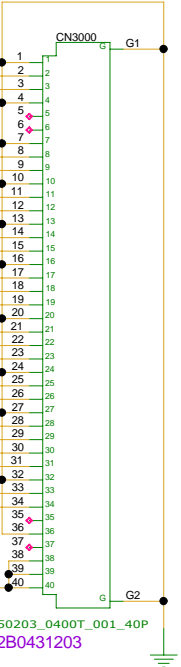
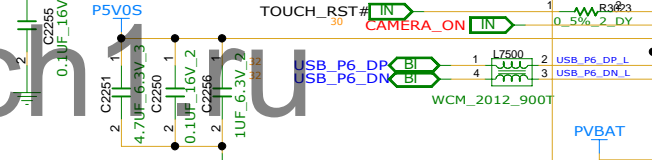
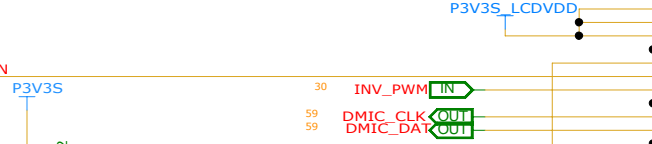
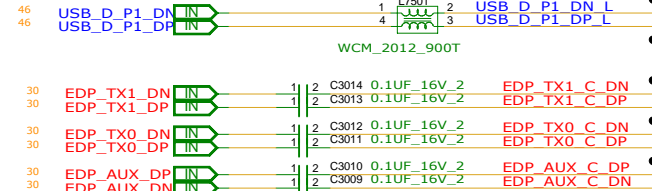
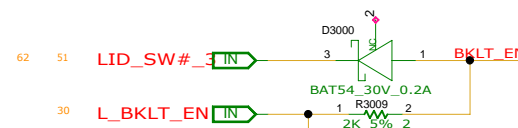
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INVENTEC

TITLE			
MODEL PROJECT,FUNCTION			
CRT & DP			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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CHECK IF TOUCH PANEL NEED OTHER POWER RAIL



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25-34 WEBCAM
35-36 LOGO LIGHT
REMOVE LOGO LIGHT CIRCUIT ON SIBUILD

REFERENCE NUMBER:3000~3049

INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
LCM & WEBCAM			
SIZE	CODE	DOC NUMBER	REV
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REFERENCE NUMBER:1700~1749

REFERENCE NUMBER:1950~1999

M TYPE
6026B0240301
NGFF HDD

SATA HDD

INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION			
SATA, HDD & M-SATA CONN.			
DOC NUMBER		REV	
1310xxxx-0-0		X01	
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D

C

B

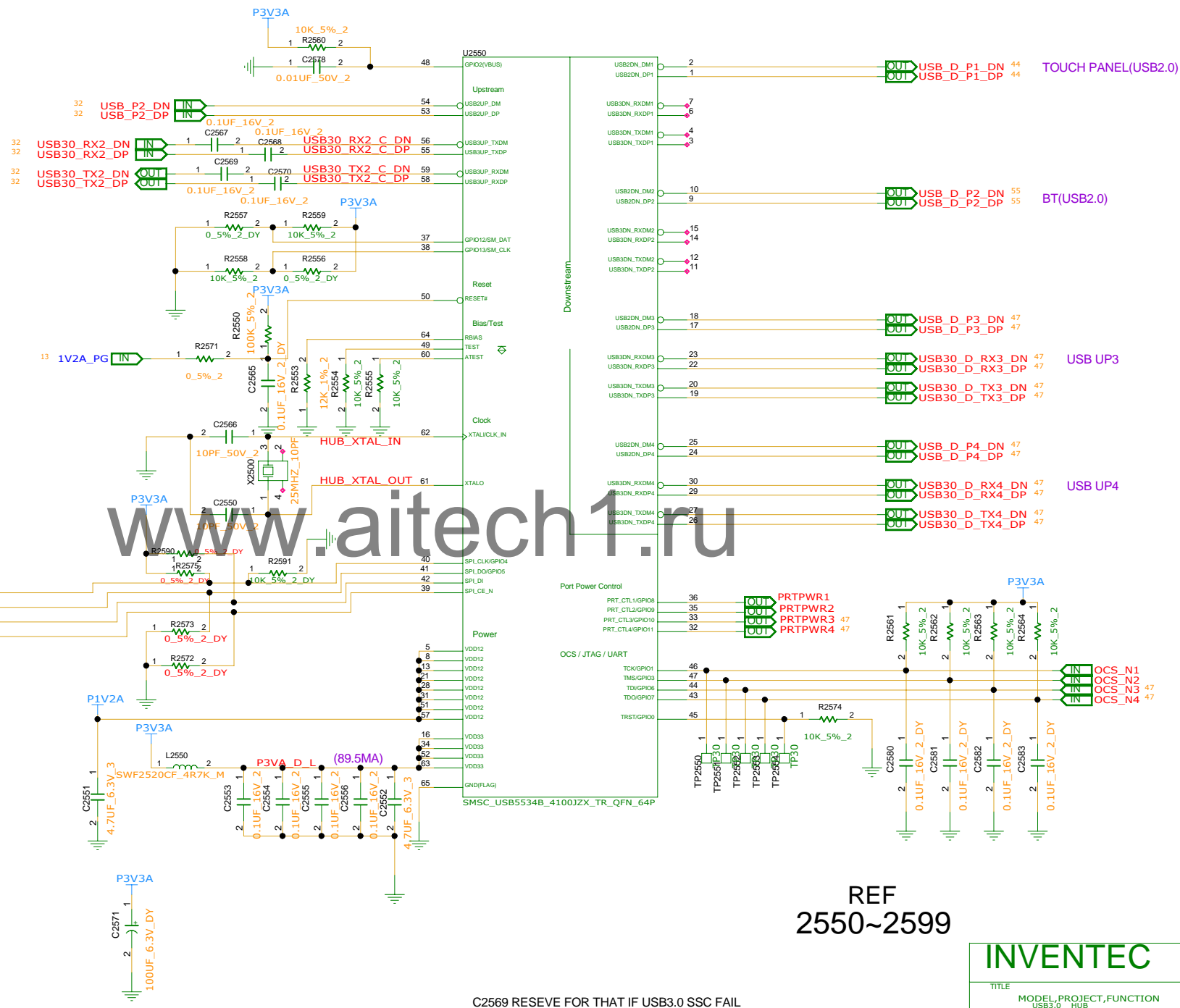
A

D

C

B

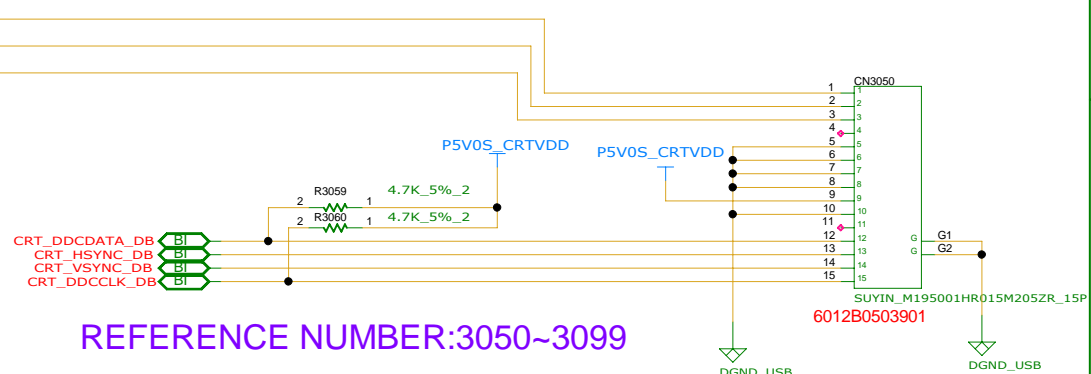
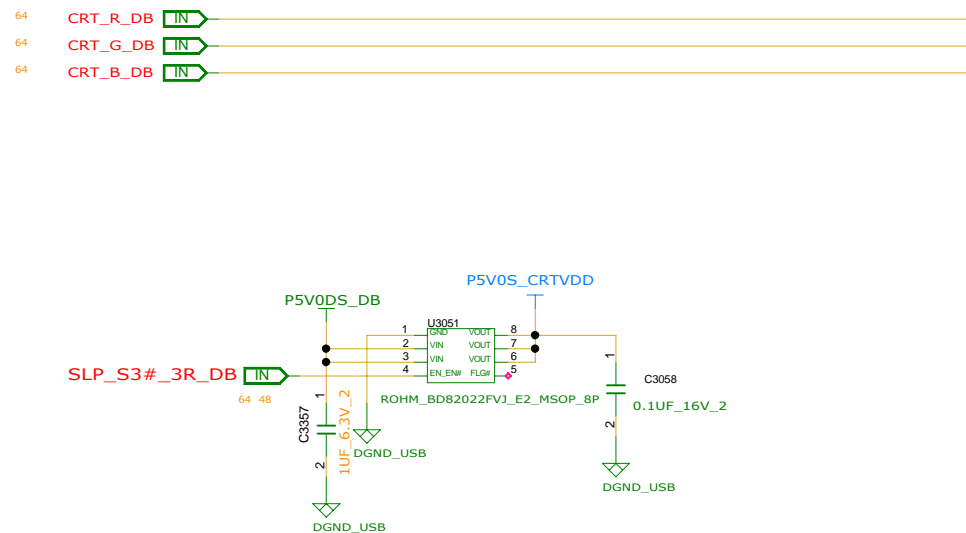
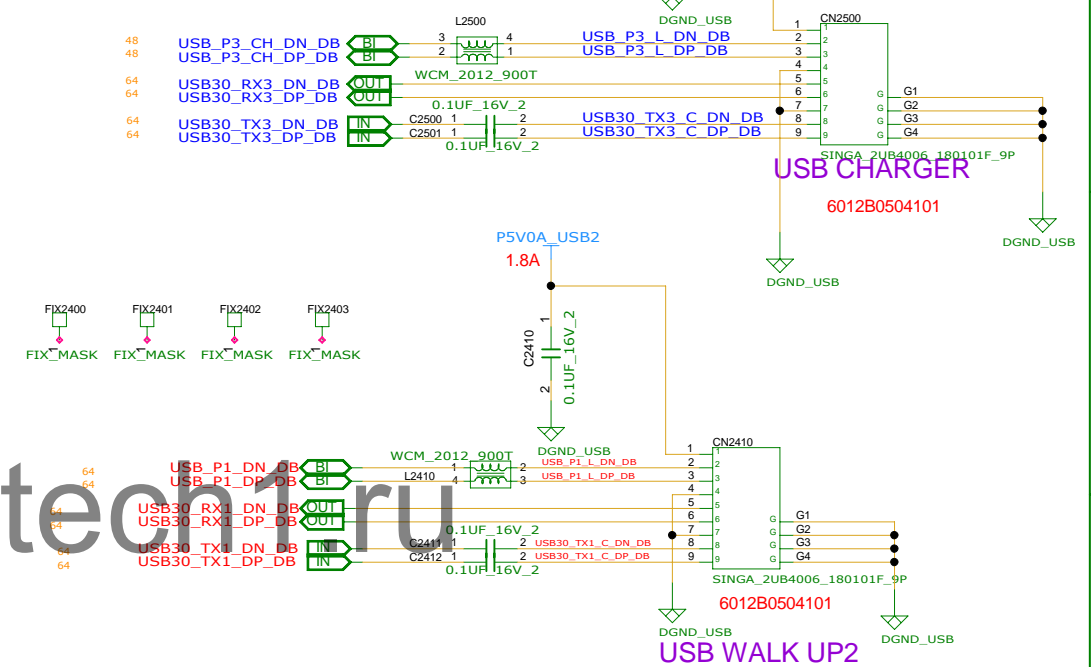
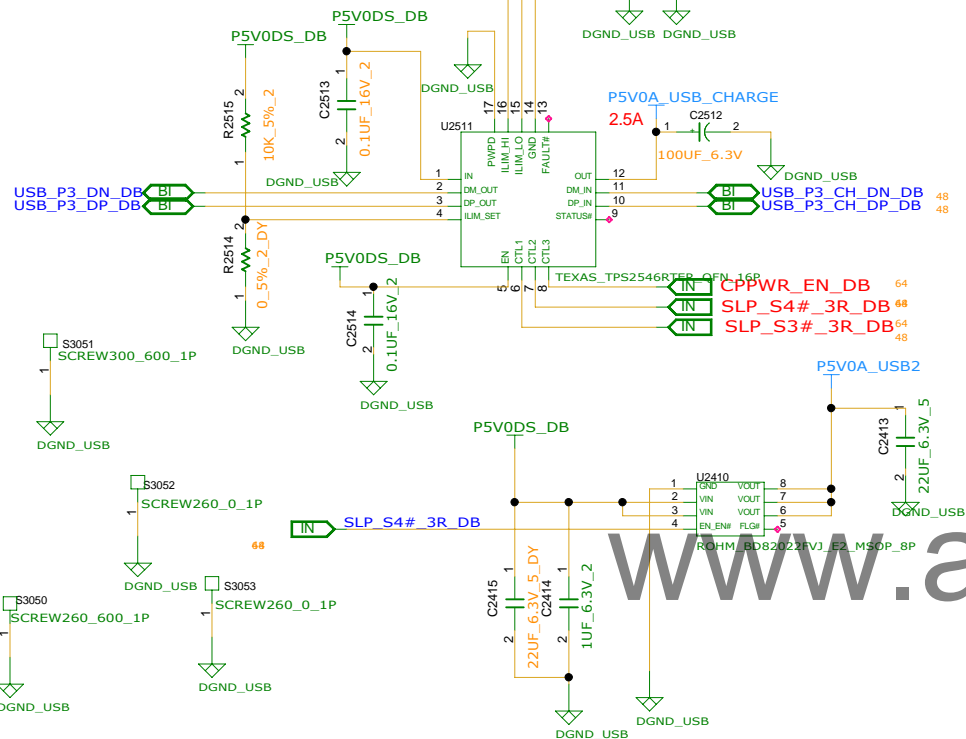
A



C2569 RESEVE FOR THAT IF USB3.0 SSC FAIL

	R2511	R2515	R2514
TPS2543	20K	10K	NI
TPS2540/A PI5USB2543	NI	NI	0

REFERENCE NUMBER:2500~2599

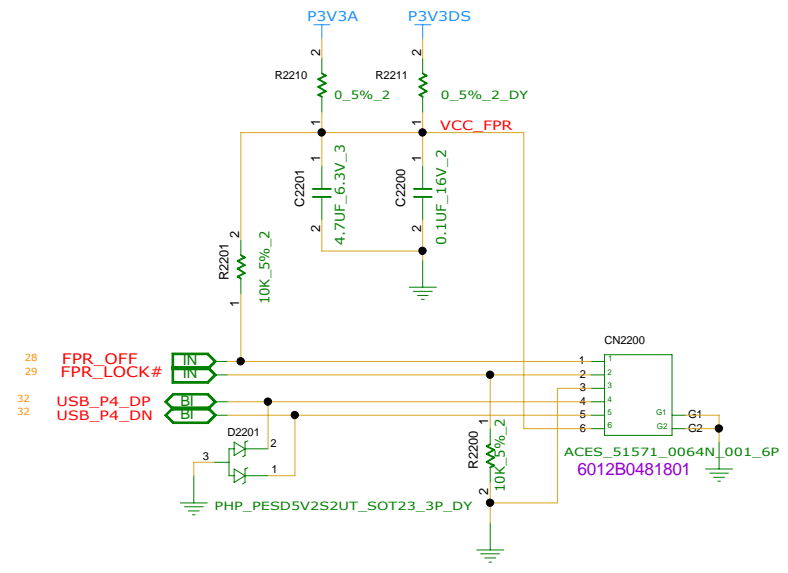


USB & CRT D/B

REFERENCE NUMBER:3050~3099

INVENTEC

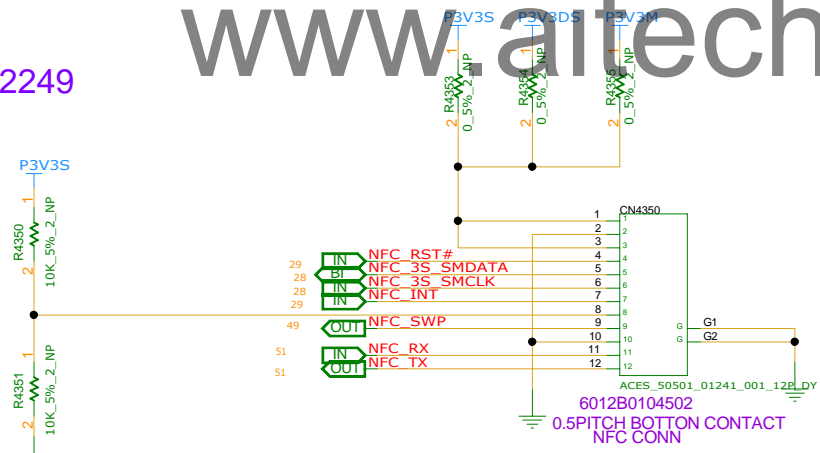
TITLE			
MODEL PROJECT,FUNCTION			
USB & CRT D/B			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01



FINGER PRINT CONN

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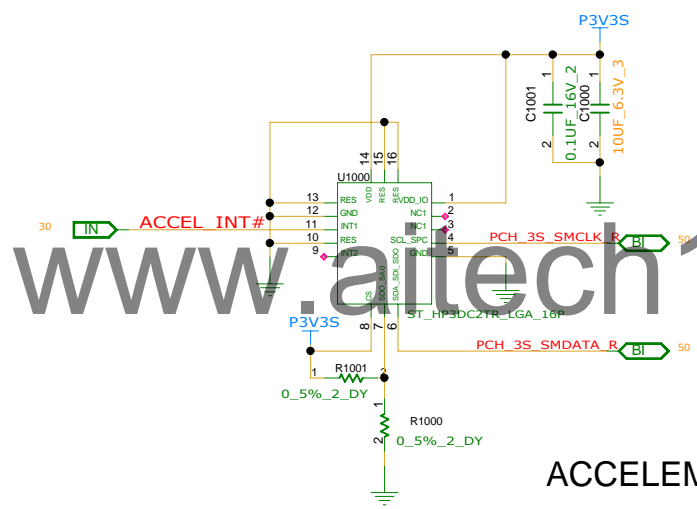
REFERENCE:2200~2249



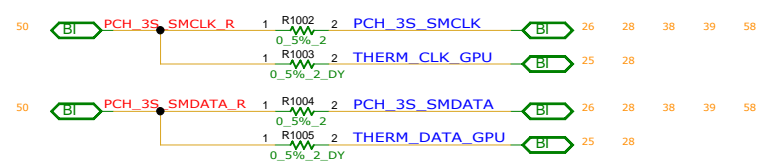
NFC_HI_SEL R4350 R4351
HIGH (UART) INSTALL
LOW (I2C) INSTALL

REFERENCE:4350~4399

INVENTEC				
TITLE				
MODEL PROJECT FUNCTION FINGER PRINTER & NFC				
SIZE A3	CODE CS	DOC NUMBER 1310xxxx-0-0	REV X01	
SHEET 49 of 68				

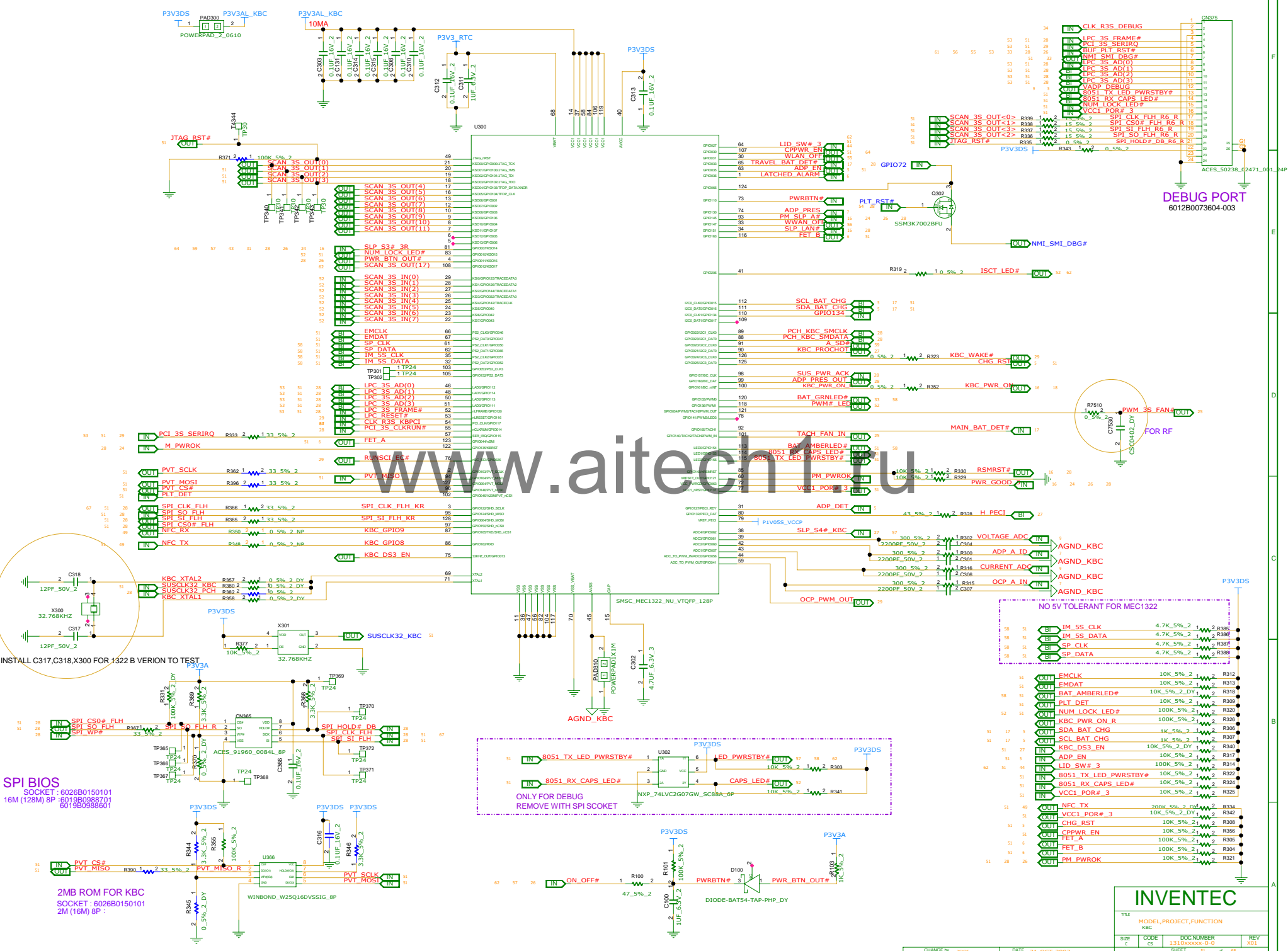


ACCELEMATOR



REFERENCE NUMER : 1000~1099

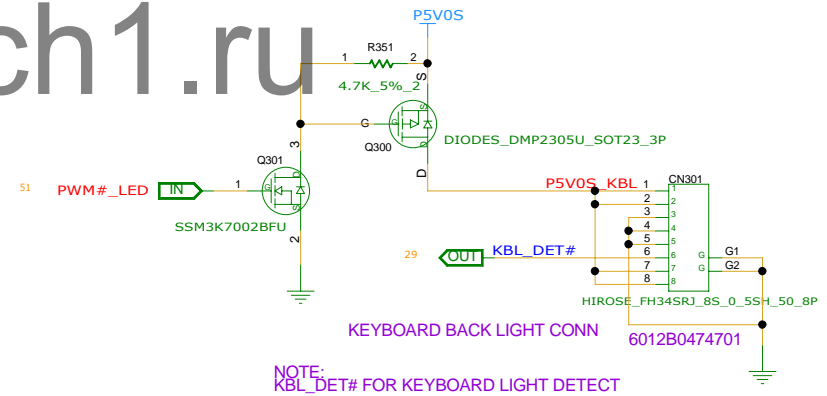
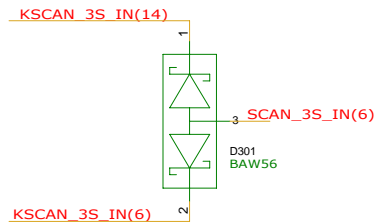
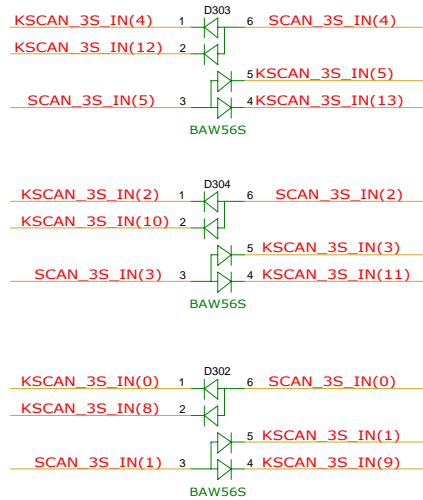
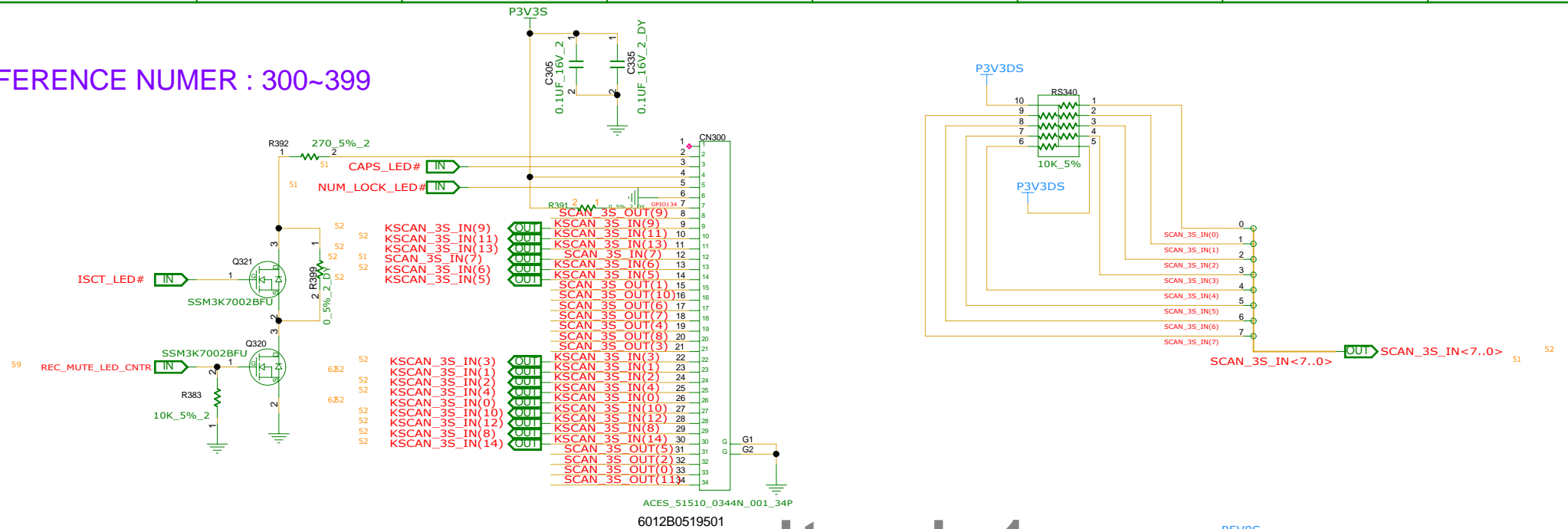
INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
ACCELEMATOR			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 50 of 68			



INVENTEC

SIZE	CODE	CS	DOCNUMBER	REV
1	1	1	131000000-000	1.0
2	2	2	131000000-000	1.0
3	3	3	131000000-000	1.0
4	4	4	131000000-000	1.0
5	5	5	131000000-000	1.0
6	6	6	131000000-000	1.0
7	7	7	131000000-000	1.0
8	8	8	131000000-000	1.0
9	9	9	131000000-000	1.0
10	10	10	131000000-000	1.0

REFERENCE NUMER : 300~399



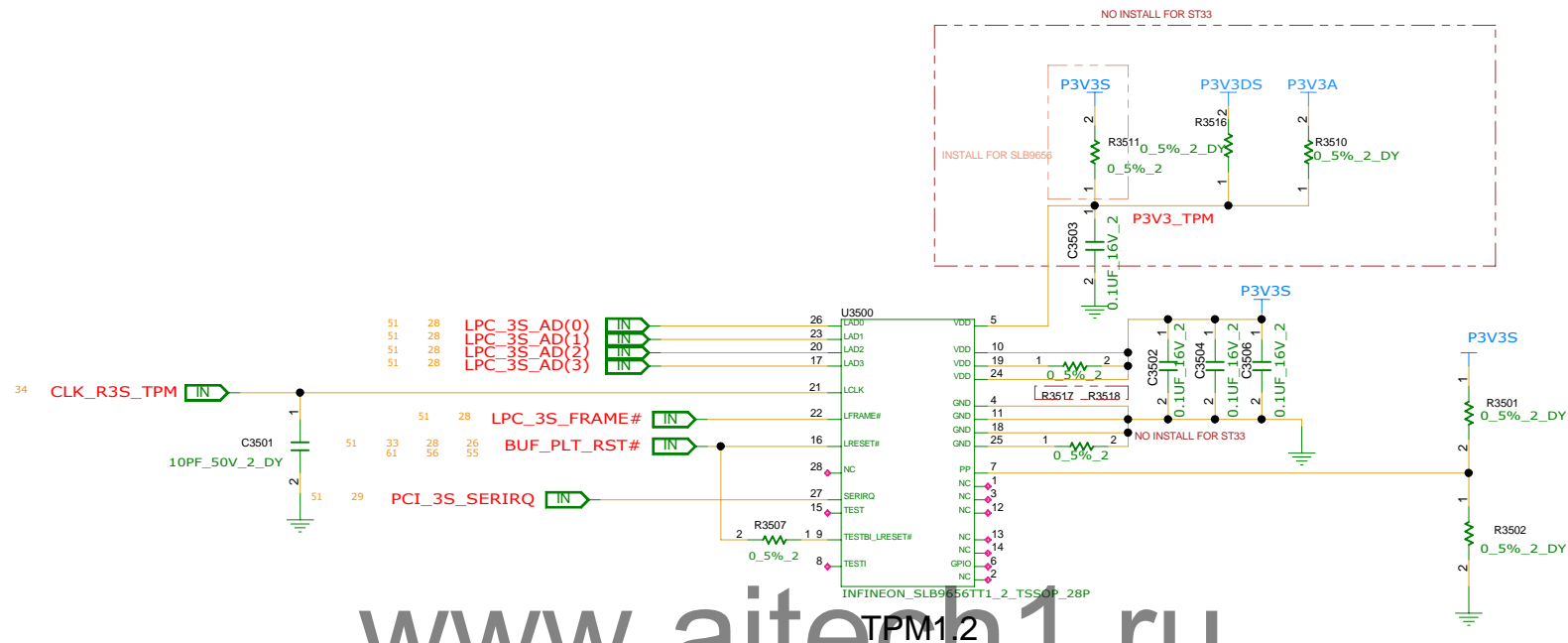
INVENTEC

TITLE
MODEL PROJECT, FUNCTION
KEYBOARD

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

CHANGE by XXX DATE 21-OCT-2002

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SLB9656TT1.2		ST33
C3503	INSTALL	OPEN
R3507	INSTALL	OPEN
R3511	INSTALL	OPEN
R3517	INSTALL	OPEN
R3518	INSTALL	OPEN

REFERENCE NUMER : 3500~3549

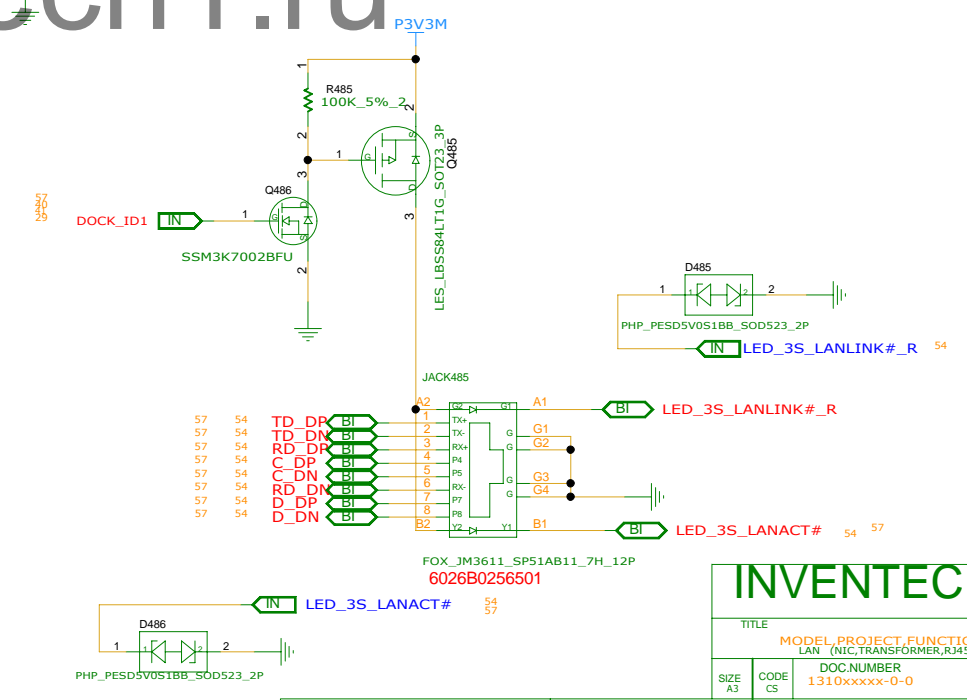
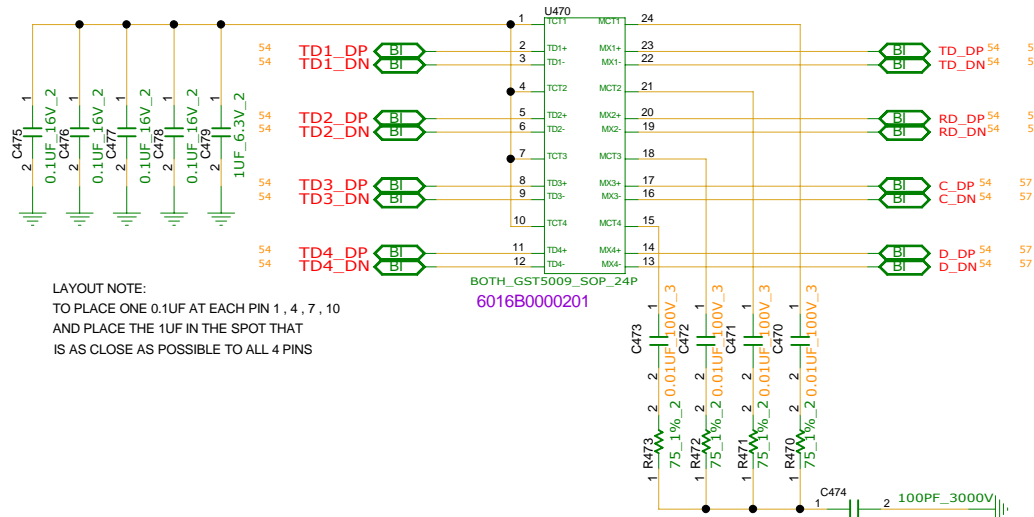
INVENTEC			
TITLE MODEL,PROJECT,FUNCTION TPM			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
SHEET 53 of 68			

CHANGE by XXX DATE 21-OCT-2002

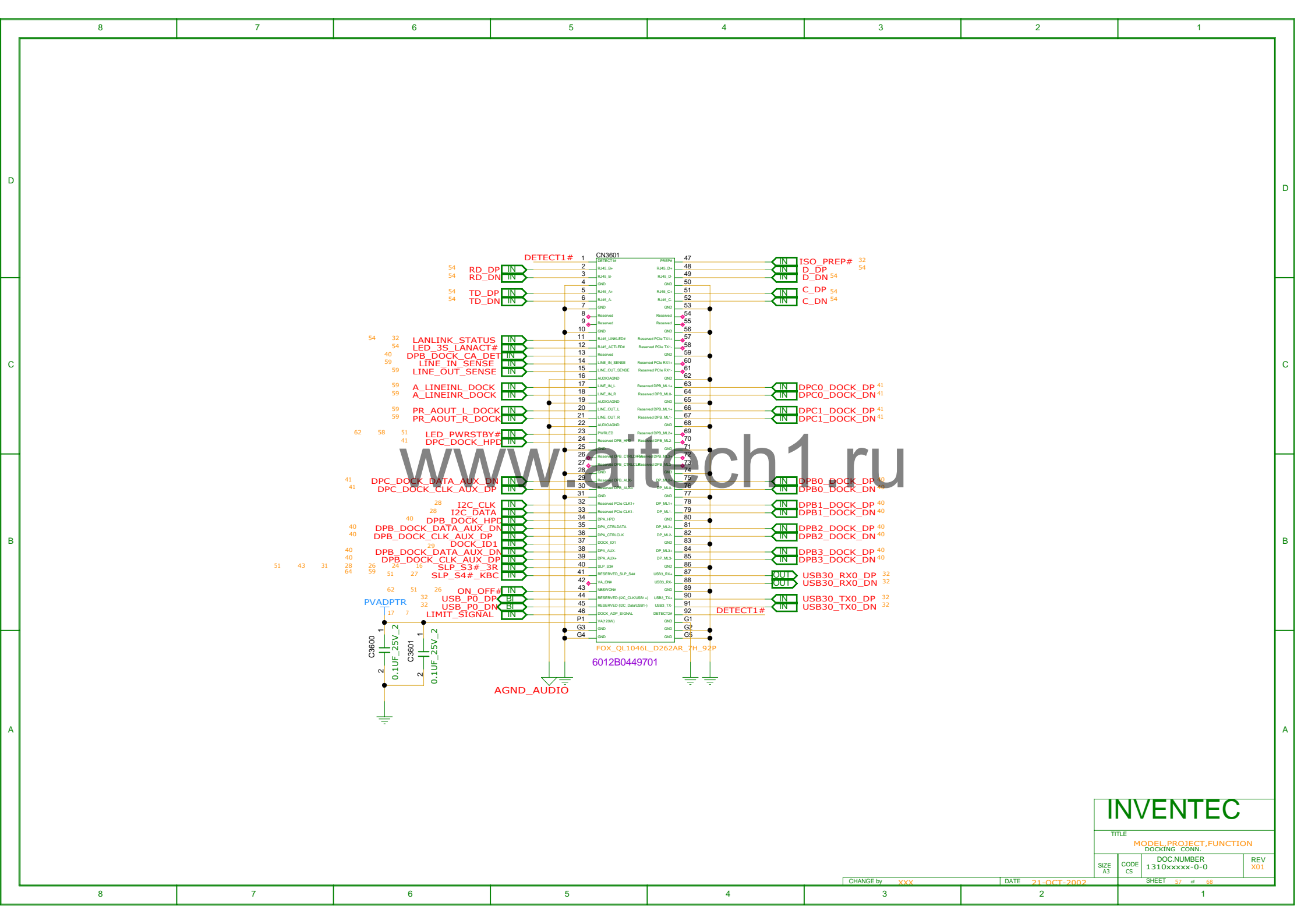
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REFERENCE NUMER : 400~469

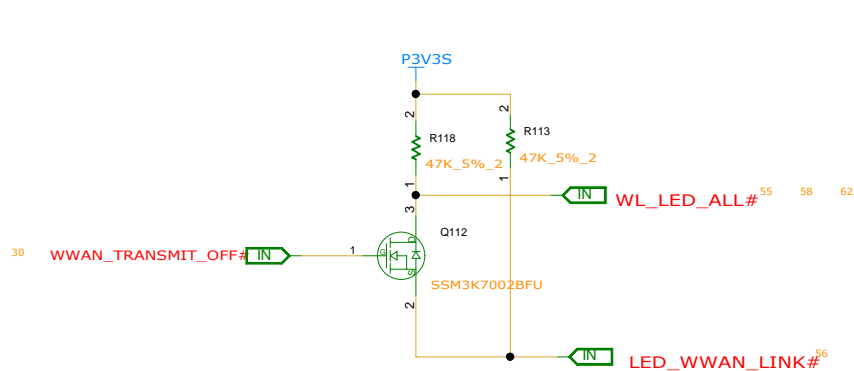
REFERENCE NUMER : 470~499



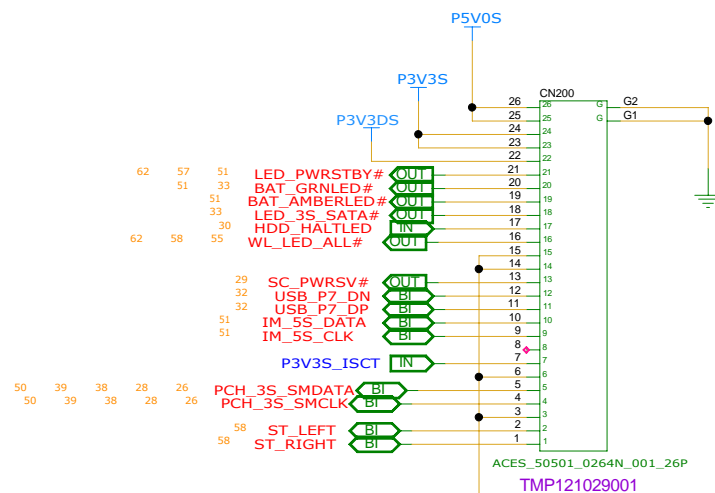
INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
LAN (NIC, TRANSFORMER, RJ45)			
DOC NUMBER			
1310xxxxx-0-0			
REV			
X01			
SIZE	CODE	SHEET	
A3	CS	54 of 68	



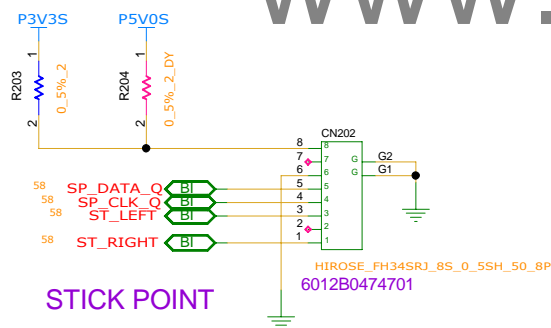
INVENTEC			
TITLE			
MODEL PROJECT, FUNCTION DOCKING CONN.			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
SHEET 57 of 68			



WLAN_WWAN_BLUETOOTH_LED

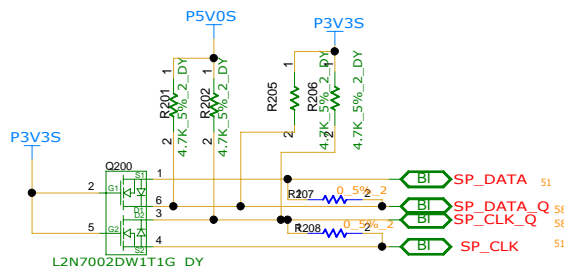


SMART CARD AND TOUCHPAD D/B W TO B CONN



STICK POINT

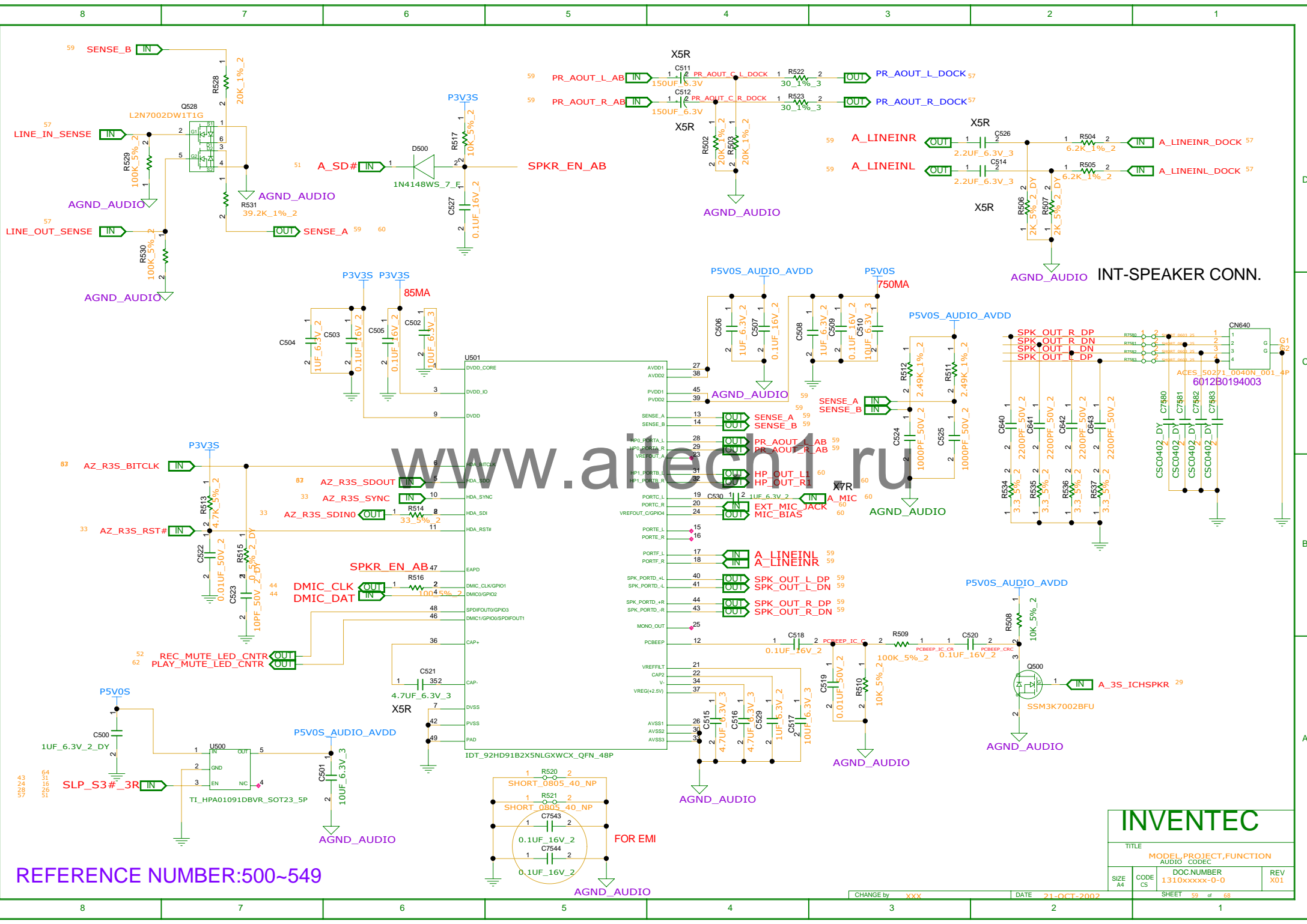
5V	3.3V
R201	INSTALL UNINSTALL
R202	INSTALL UNINSTALL
R203	UNINSTALL INSTALL
R204	INSTALL UNINSTALL



STICK POINT OPTION

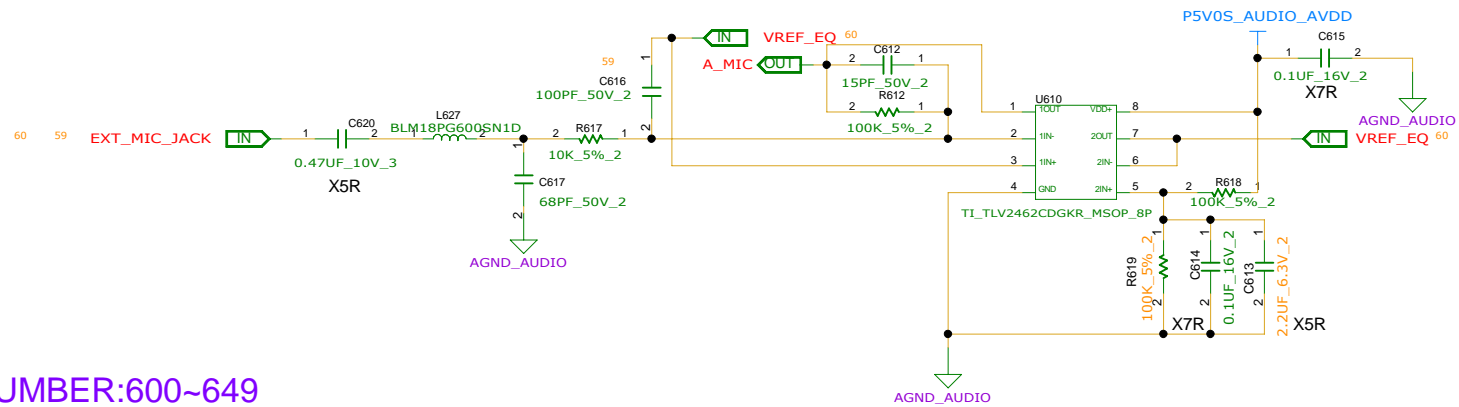
REFERENCE NUMBER:100~199

INVENTEC			
TITLE			
STICK POINT	MODEL PROJECT FUNCTION	& SMART CARD DB W TO B CONN.	
SIZE A3	CODE CS	DOC NUMBER 1310xxxx-0-0	REV X01
SHEET 58 of 68			



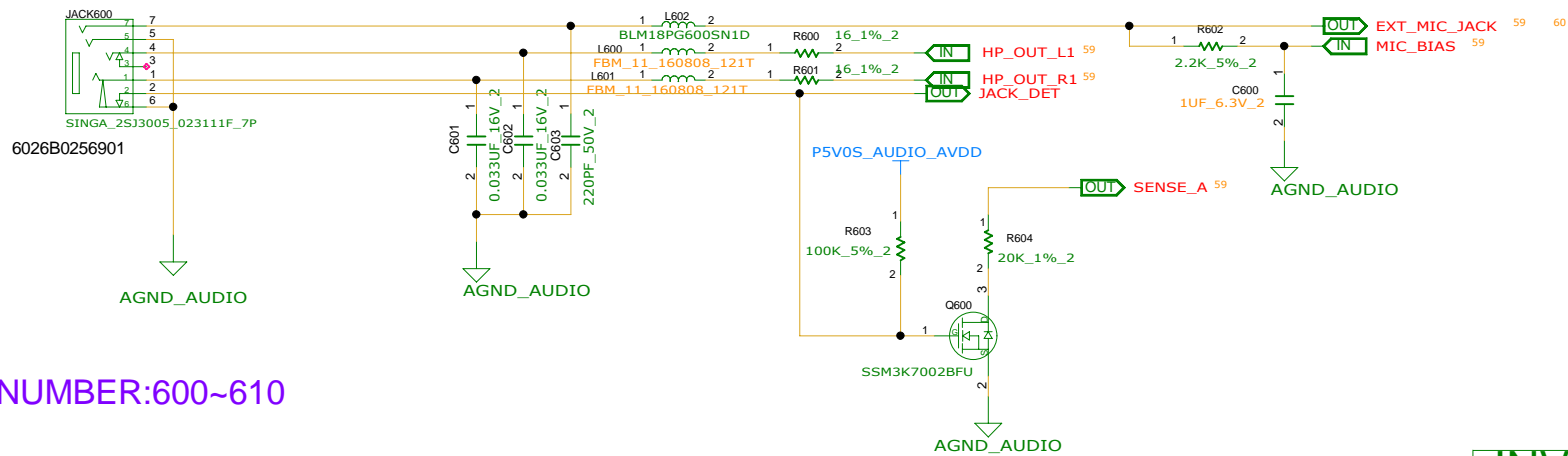
REFERENCE NUMBER:500~549

INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
AUDIO CODEC			
DOC NUMBER			
1310xxxx-0-0			
REV			
X01			
SIZE	CODE	DATE	
A4	CS	21-OCT-2002	
SHEET		59	of 68



REFERENCE NUMBER:600~649

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REFERENCE NUMBER:600~610

INVENTEC

TITLE		
MODEL,PROJECT,FUNCTION		
EXT. MIC AMP. & AUDIO JACK		
SIZE	CODE	REV
A3	CS	X01
DOC NUMBER		1310xxxxx-0-0
SHEET		60 of 68

D

D

C

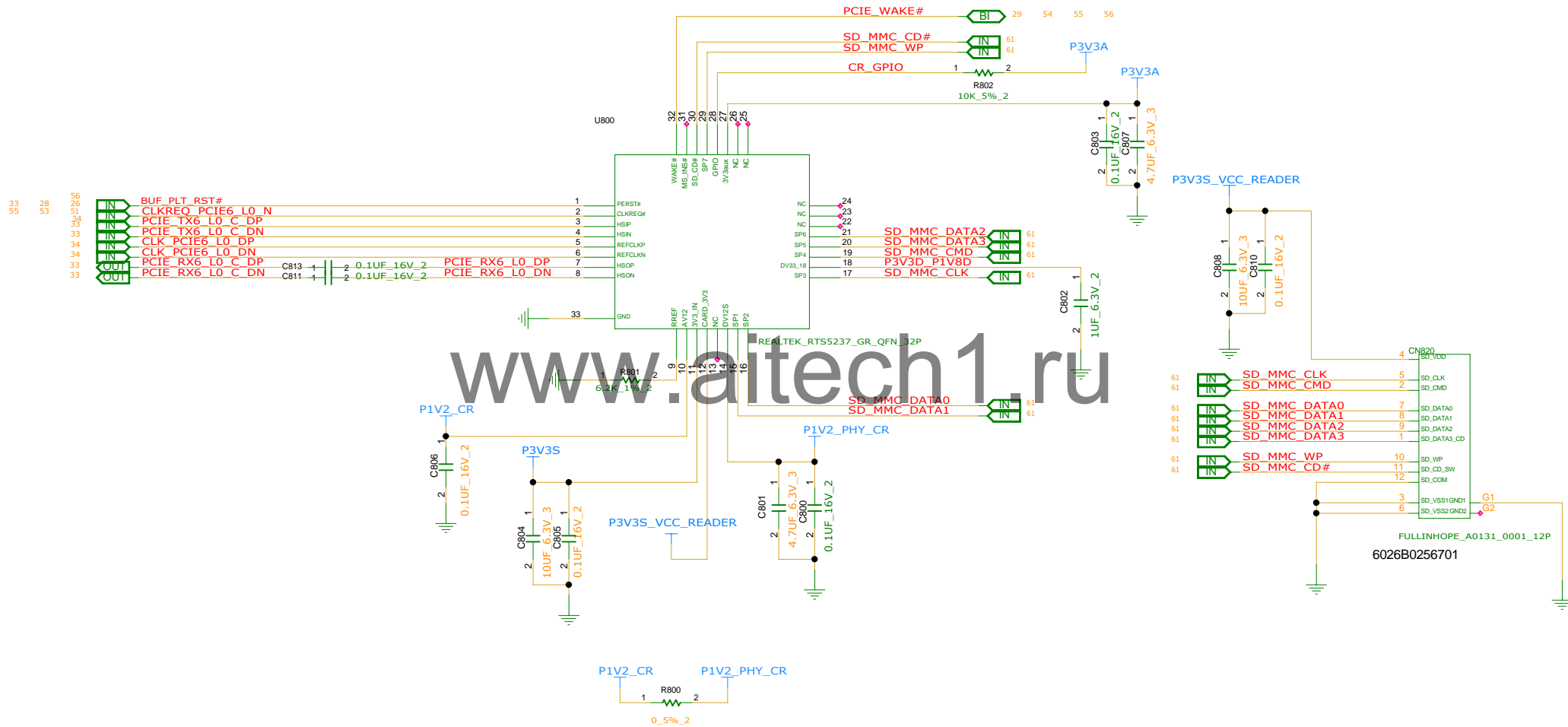
C

B

B

A

A



REFERENCE NUMBER:800~899

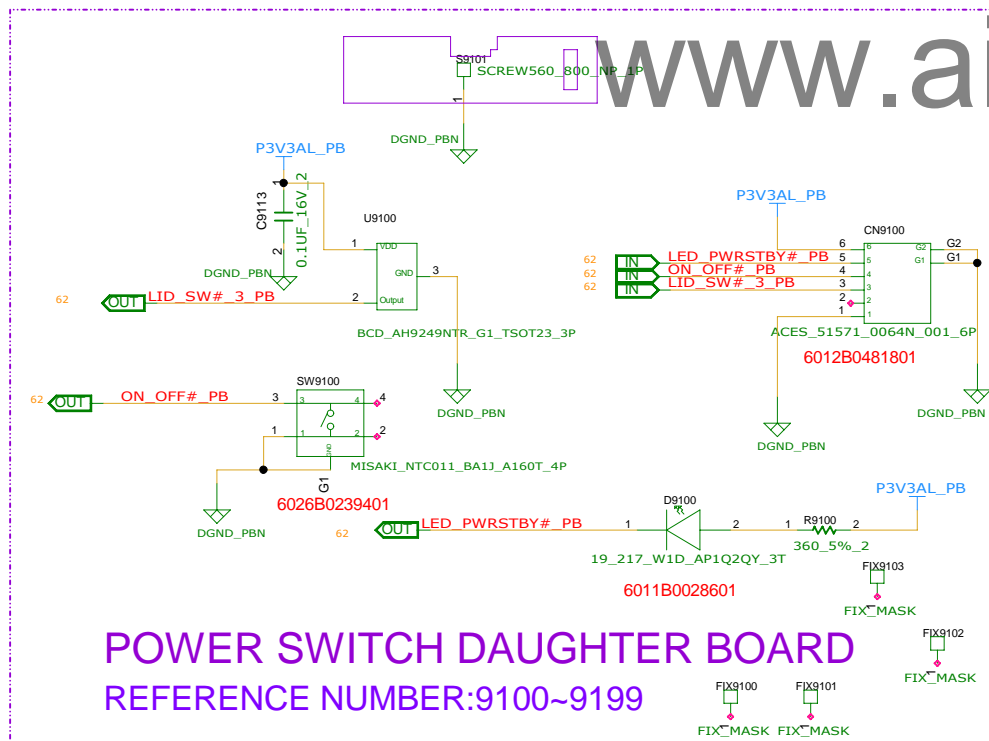
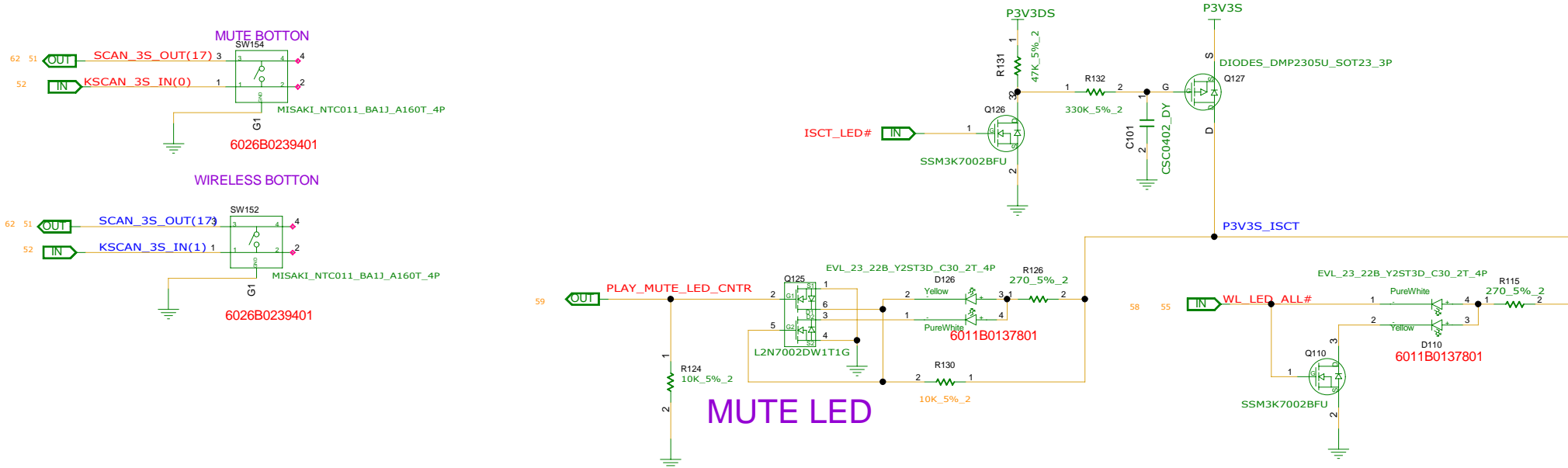
INVENTEC

TITLE
MODEL PROJECT,FUNCTION
CARD READER

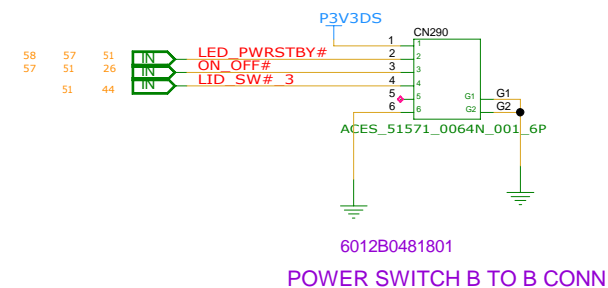
SIZE	CODE	DOC.NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

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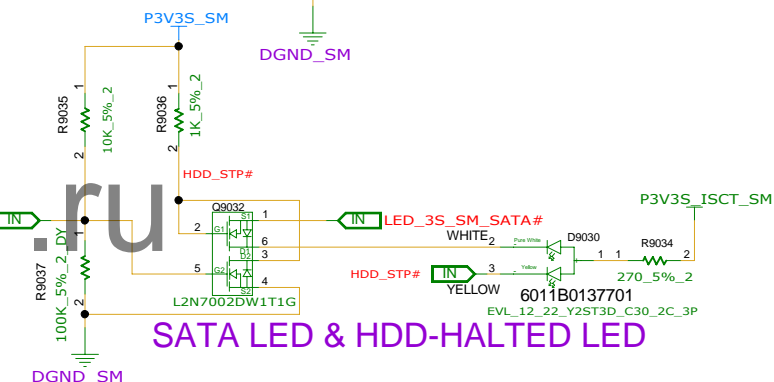
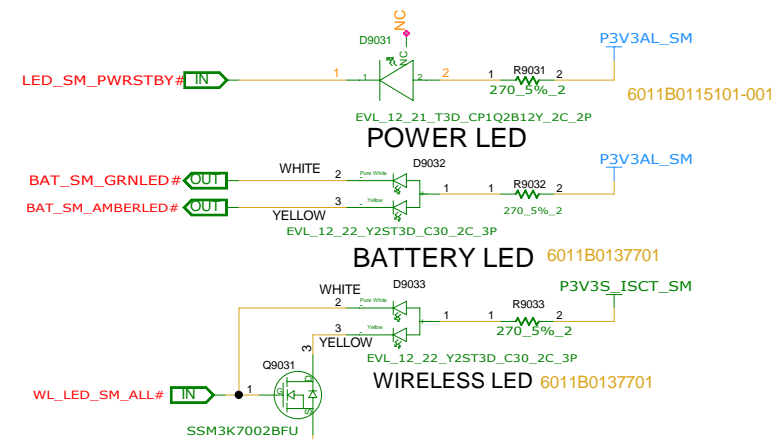


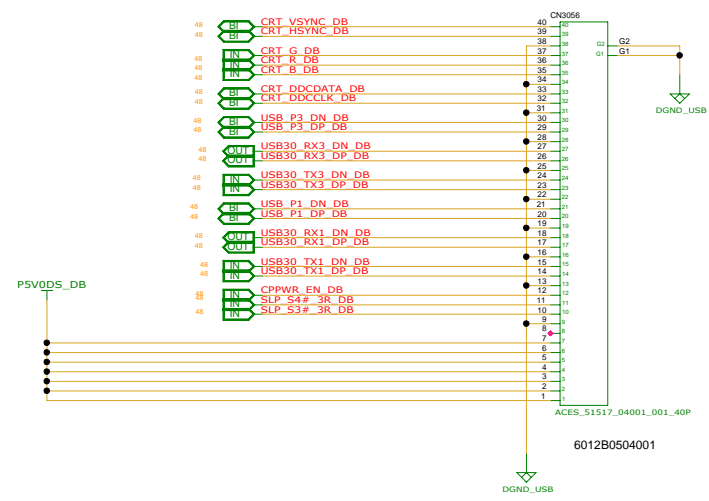
POWER SWITCH DAUGHTER BOARD
REFERENCE NUMBER:9100~9199



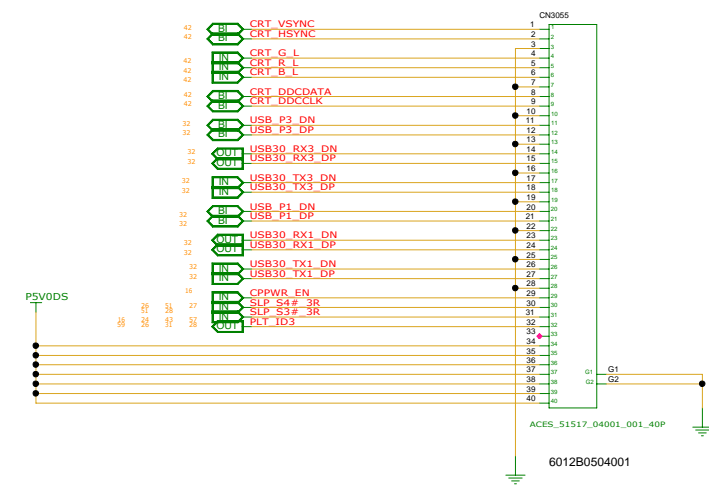
6012B0481801
POWER SWITCH B TO B CONN

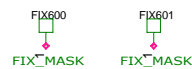
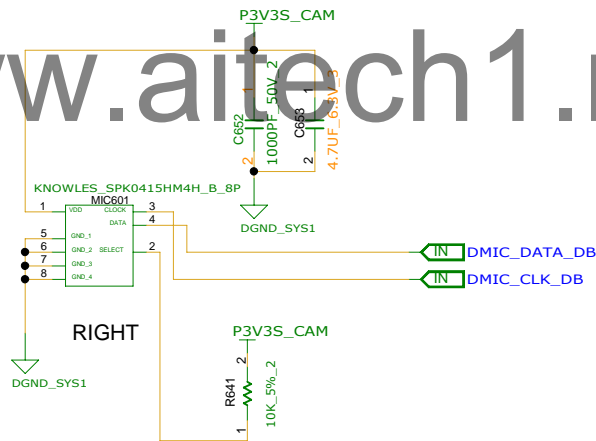
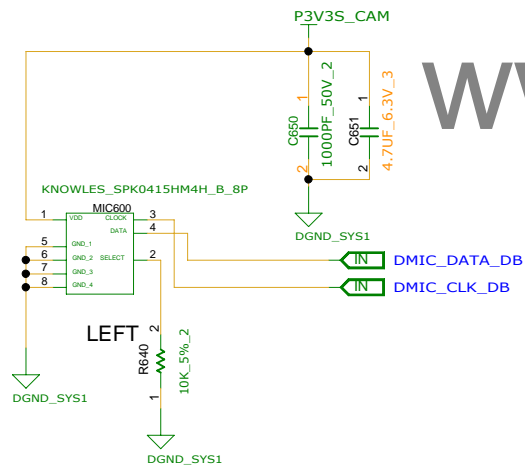
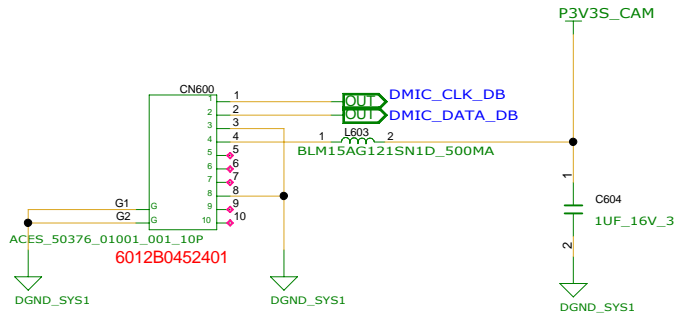
INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
BUTTON LED			
SIZE A3	CODE C3	DOC.NUMBER 1310xxxx-0-0	REV X01
SHEET 62 of 68			





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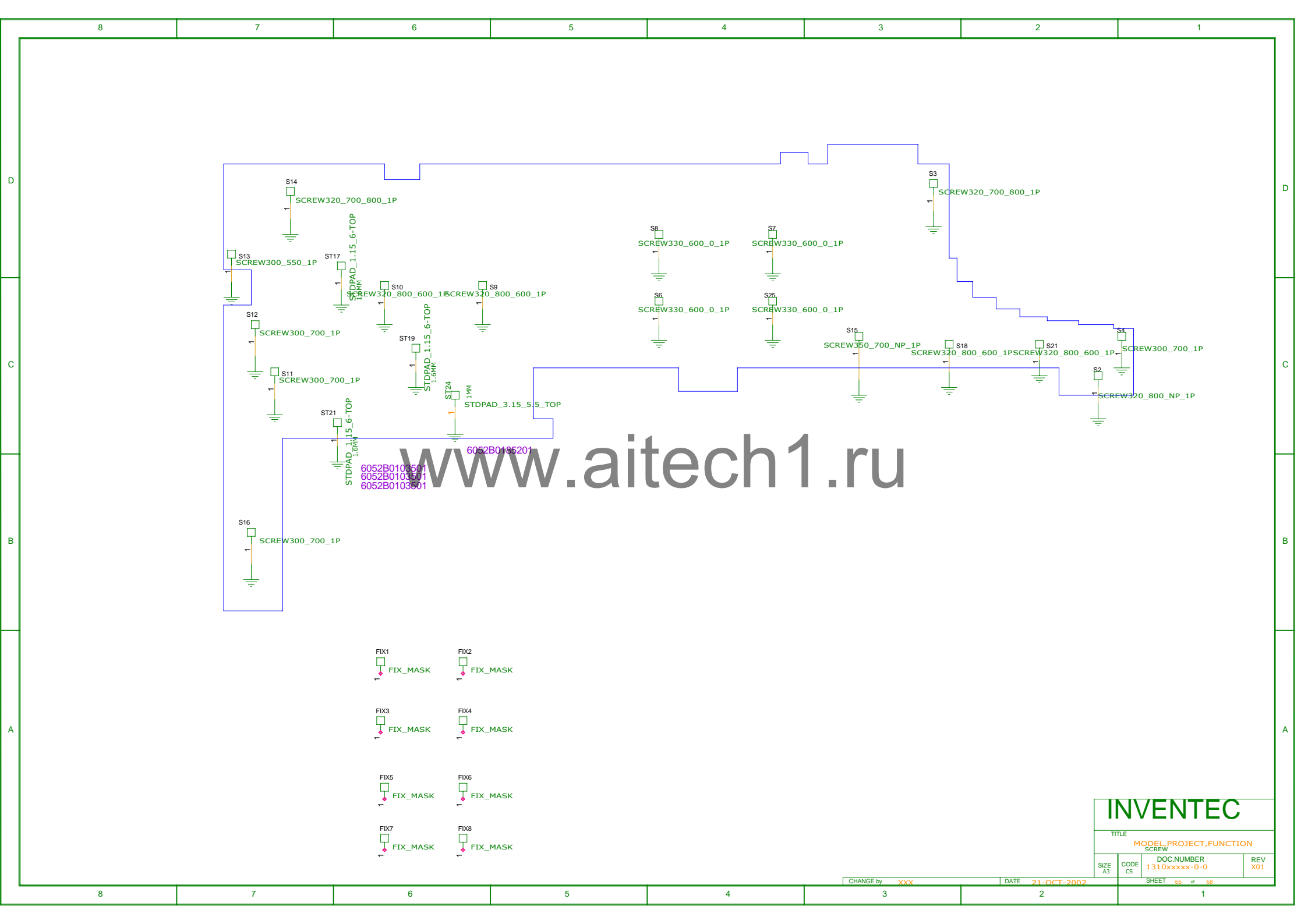


REFERENCE NUMBER:600-649
MIC DOUGHTER BOARD

INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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- FIX1
FIX_MASK
- FIX2
FIX_MASK
- FIX3
FIX_MASK
- FIX4
FIX_MASK
- FIX5
FIX_MASK
- FIX6
FIX_MASK
- FIX7
FIX_MASK
- FIX8
FIX_MASK

INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION SCREW			
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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