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HSF Property: ROHS or Halogen-Free

SHARKBAY ULT-UMA

DB0 BUILD

www.aitech1.ru
2012.07.16

21.OCT.2002		
DATE	CHANGE NO.	REV

DRAWER				POWER				INVENTEC			
DESIGN				DATE				TITLE			
CHECK				DATE				MODEL PROJECT FUNCTION			
RESPONSIBLE				DATE				SHARKBAY MAIN BOARD			
SIZE				VER				DOC NUMBER			
FILE NAME				VER				REV			
PIN				SHEET				of 04			

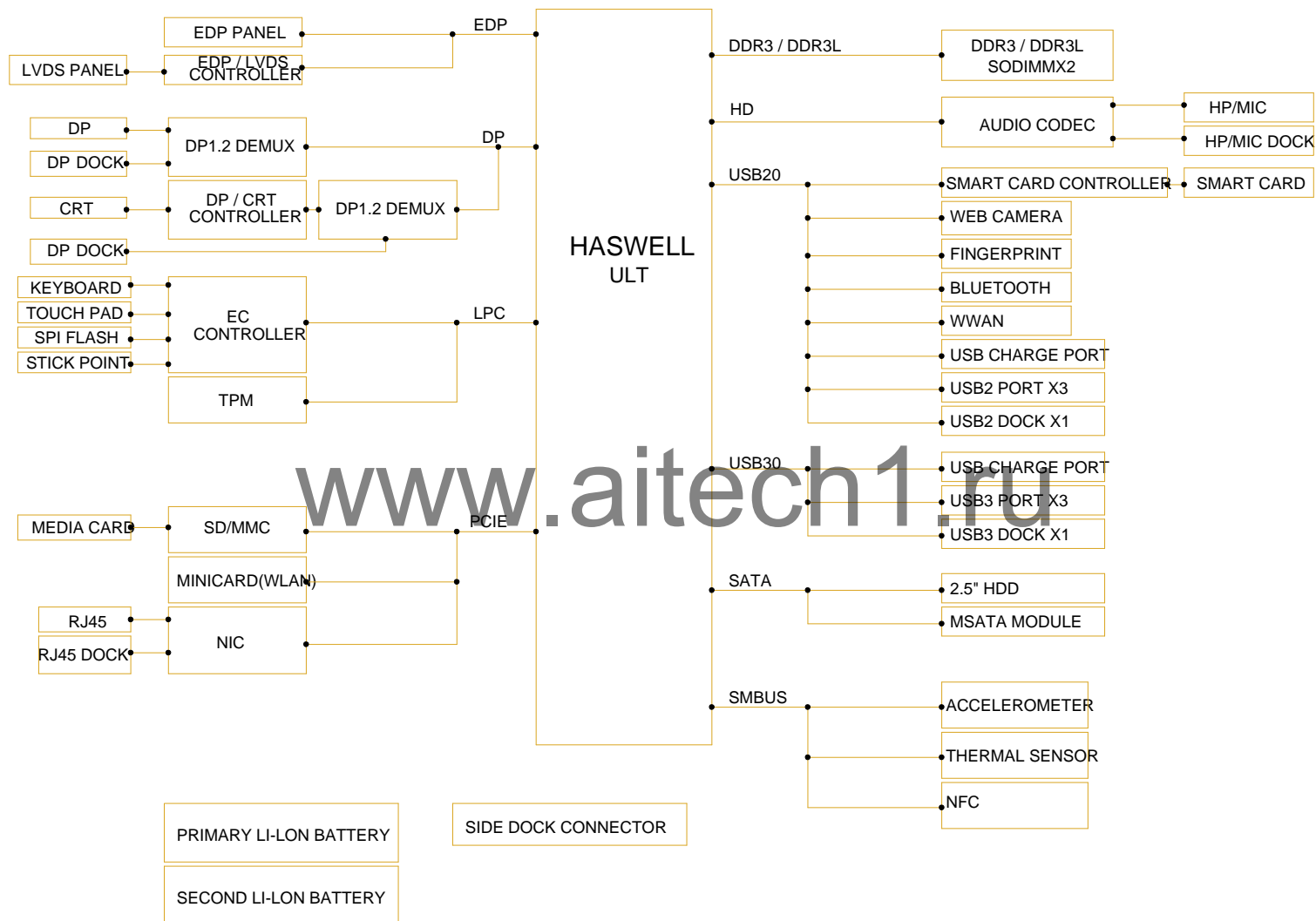


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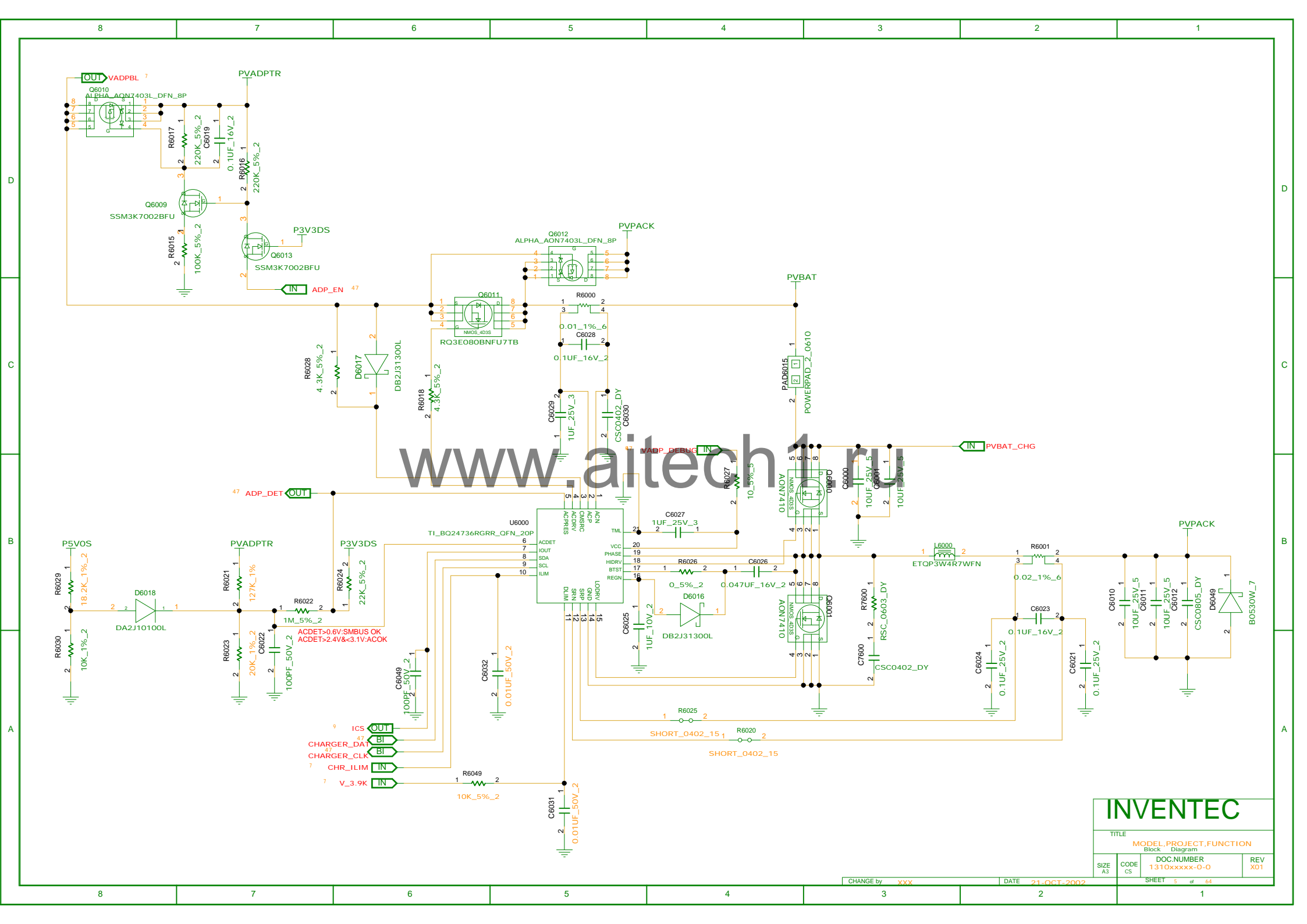
INVENTEC

TITLE
MODEL,PROJECT,FUNCTION
TABLE OF CONTENTS

SIZE A3	CODE CS	DOC NUMBER 1310xxxx-0-0	REV X01
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CHANGE by XXX DATE 25-MAR-2013



INVENTEC

TITLE

MODEL, PROJECT, FUNCTION

DOC NUMBER

REV

SIZE

CODE

CS

DATE

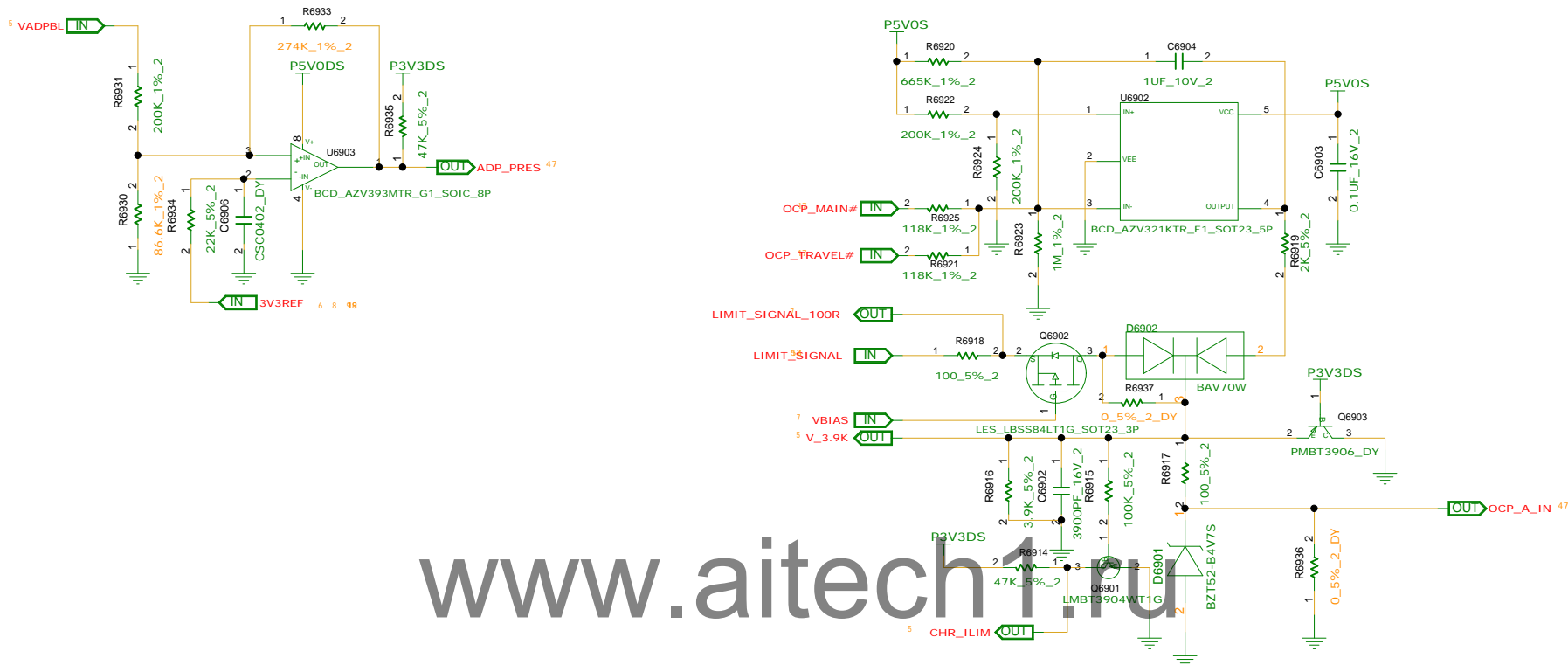
21-OCT-2002

SHEET

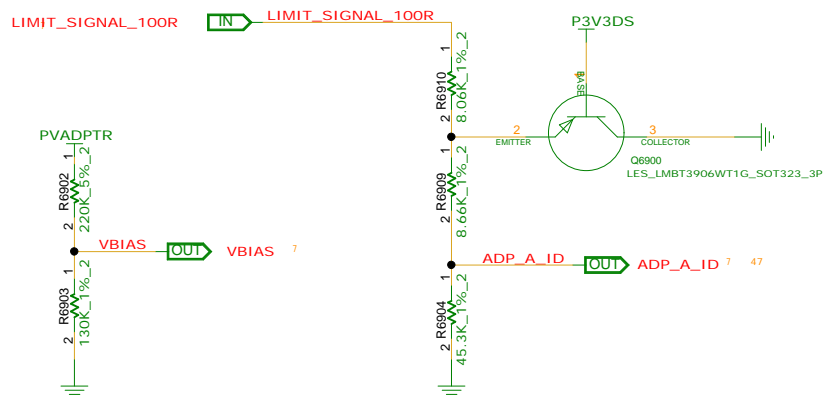
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CHANGE by

XXX



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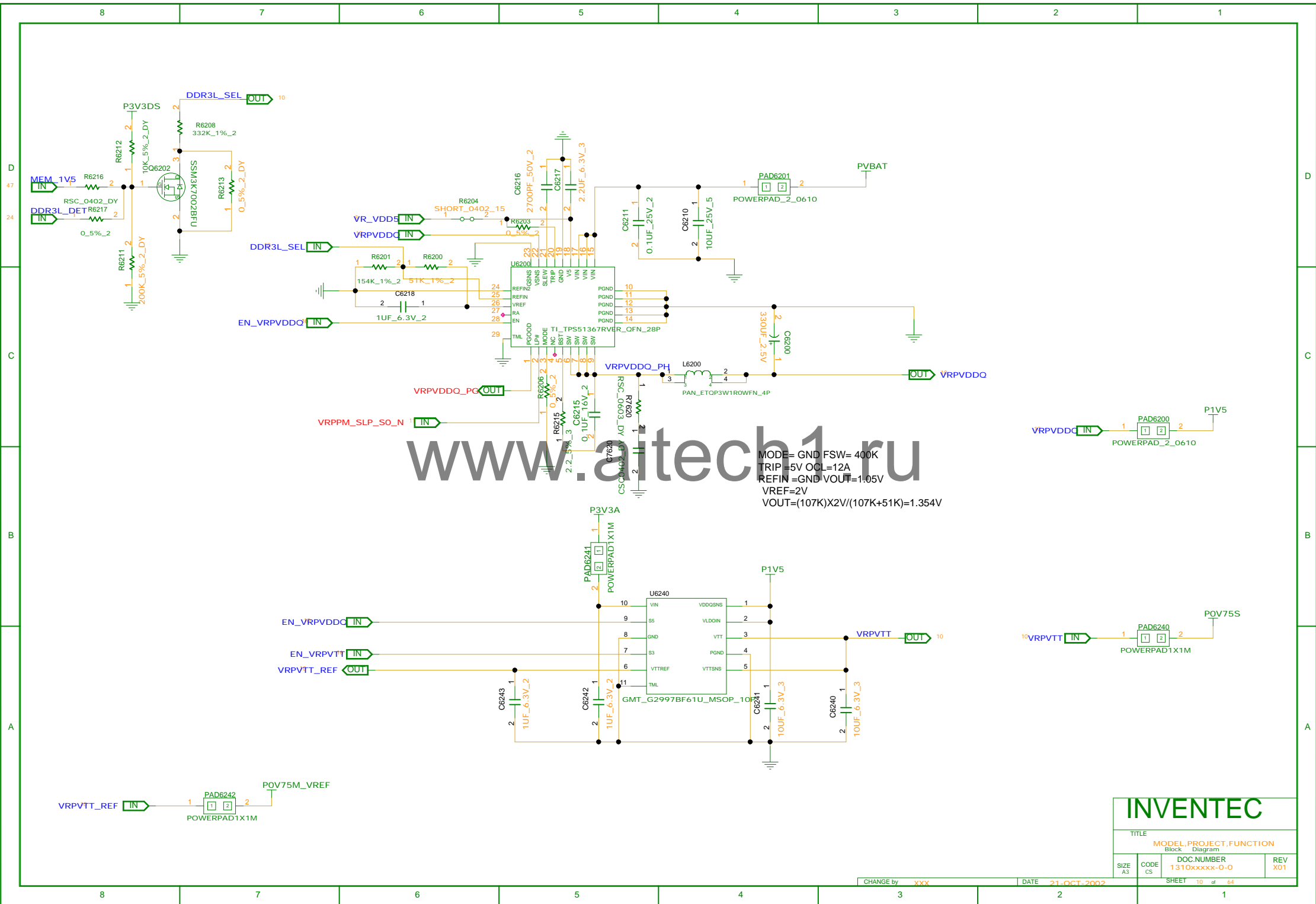


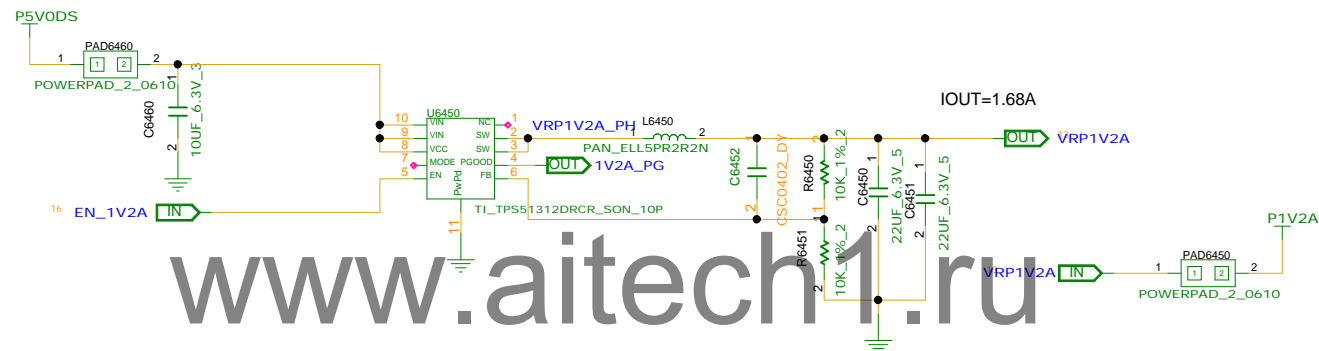
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MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

CHANGE by XXX DATE 21-OCT-2002

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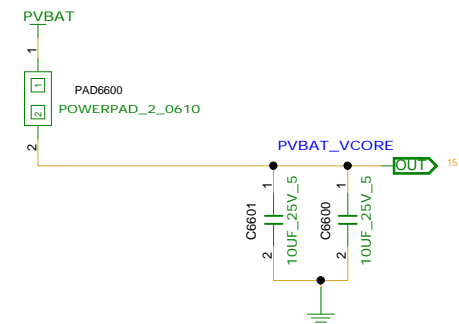
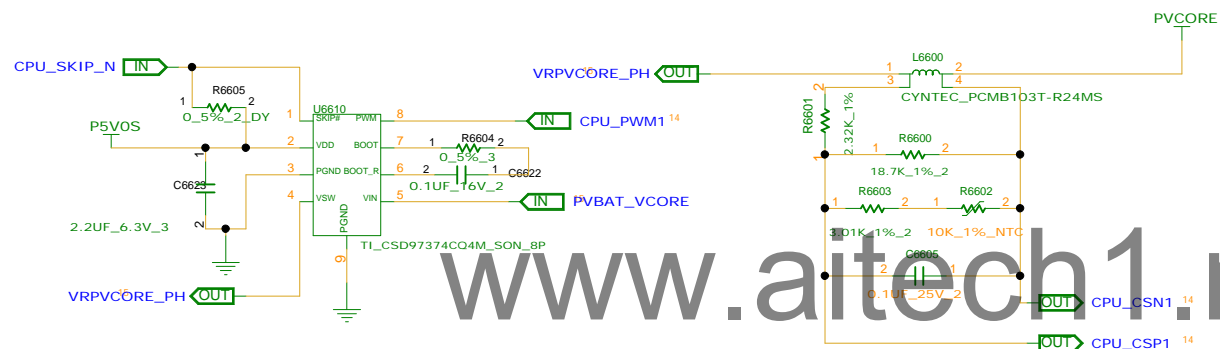
VREF=0.6V
 15K=1.5V
 10K=1.2V
 20.5K=1.83V
 MODE=FLOAT=SKIP MODE
 MODE=VIN=FCCM MODE

INVENTEC

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

CHANGE by XXX DATE 21-OCT-2002

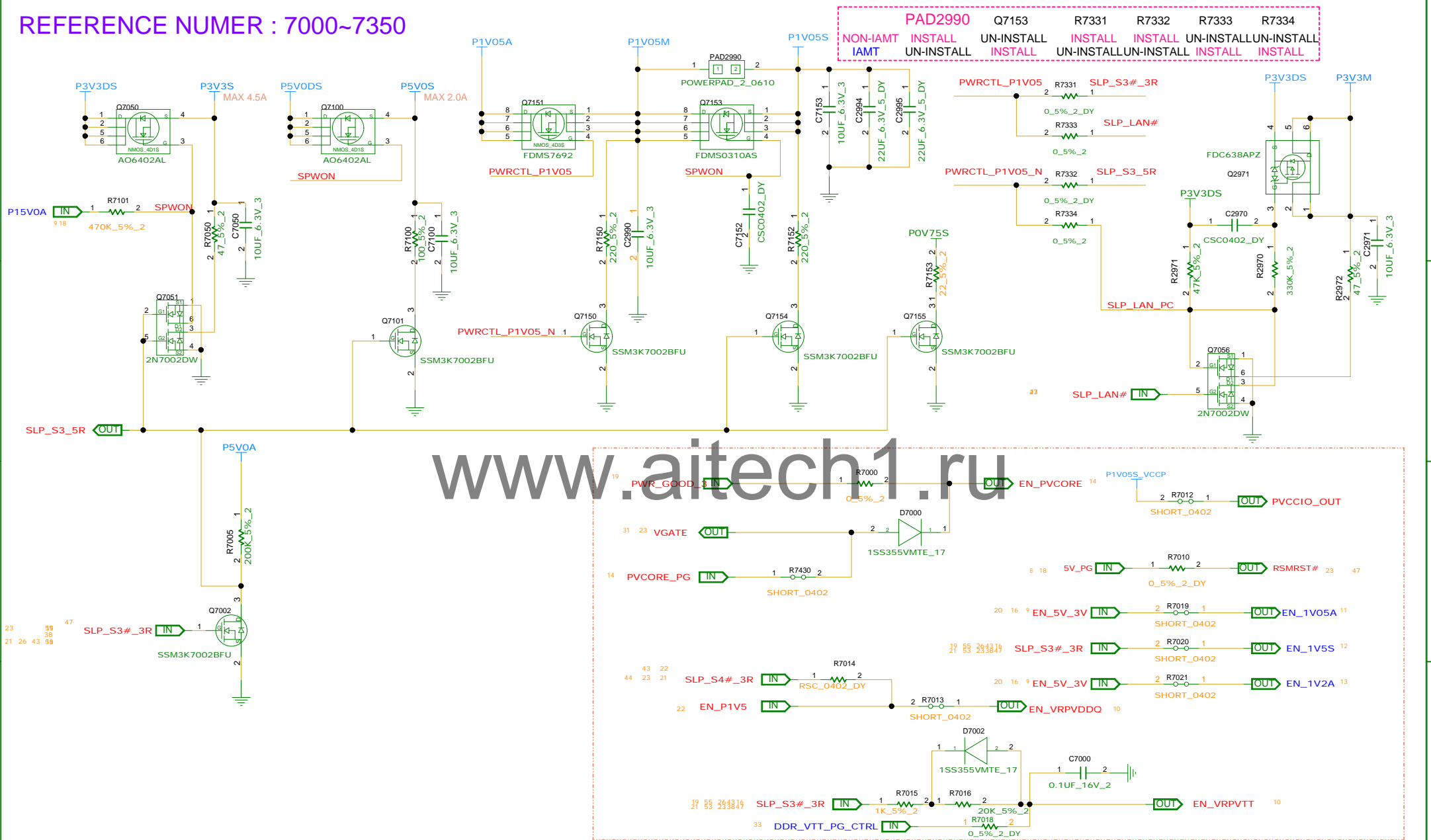
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INVENTEC			
TITLE			
MODEL, PROJECT, FUNCTION			
Block Diagram			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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CHANGE by XXX DATE 21-OCT-2002

REFERENCE NUMBER : 7000~7350

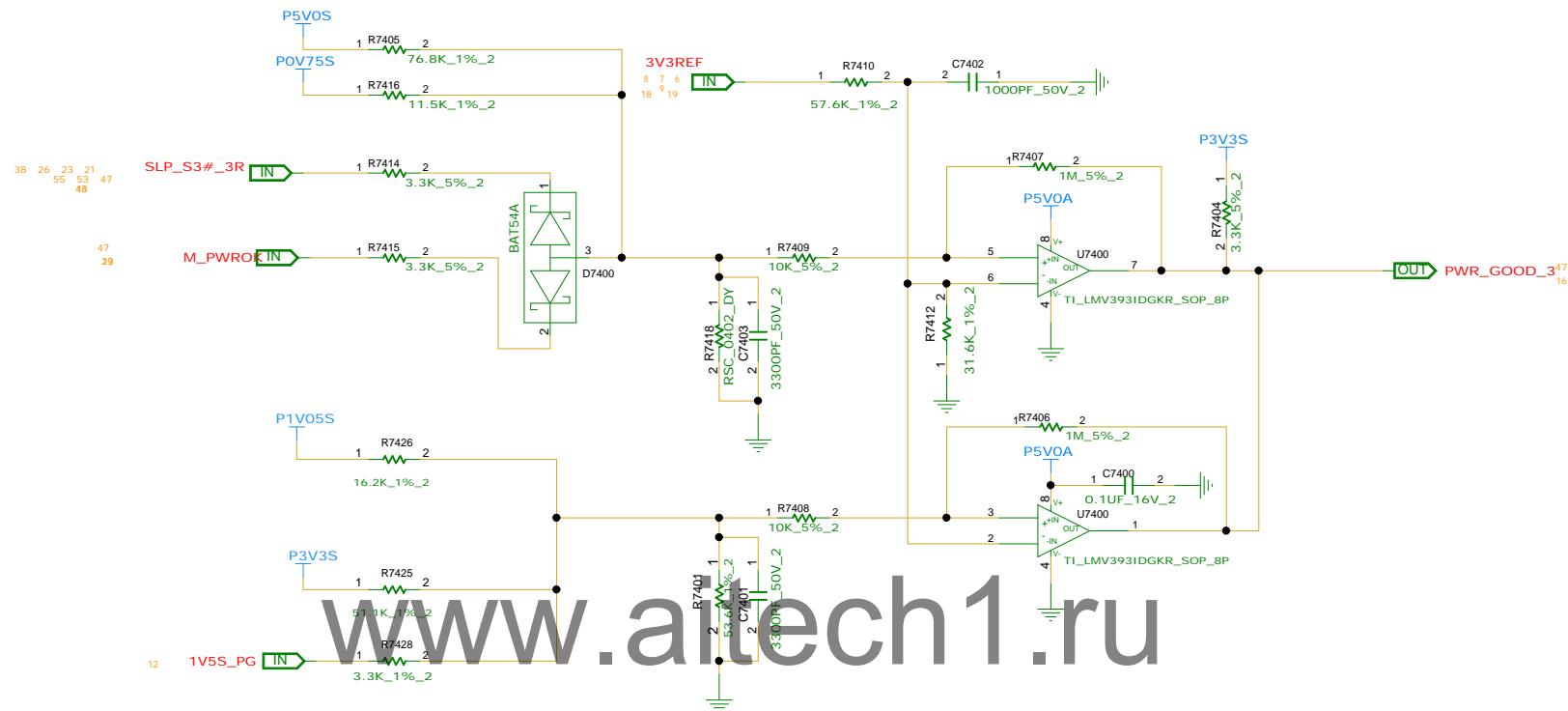


POWER TO EE NET NAME CONNECTION

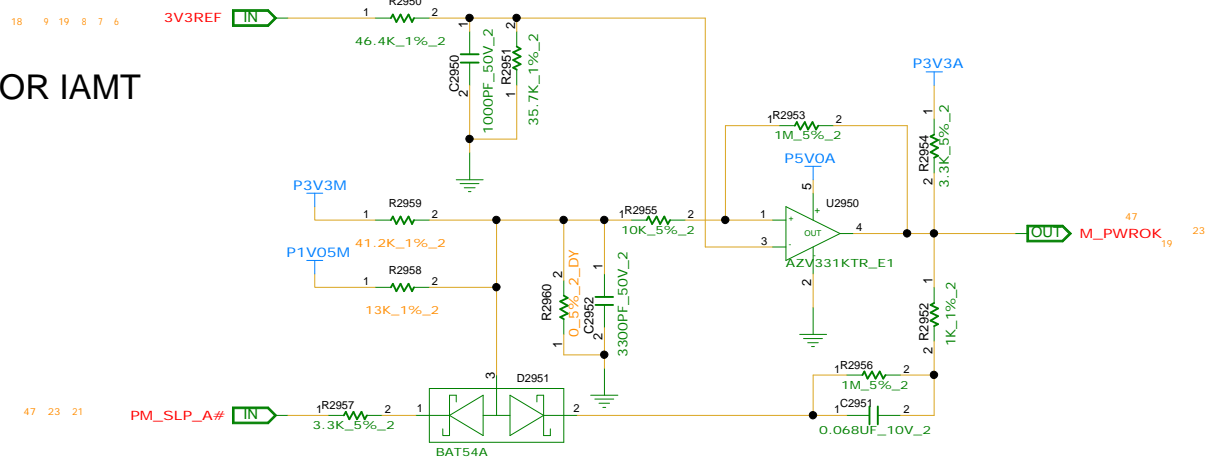
INVENTEC

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MODEL,PROJECT,FUNCTION Block Diagram			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
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REFERENCE NUMER : 7400~7450



FOR IAMT

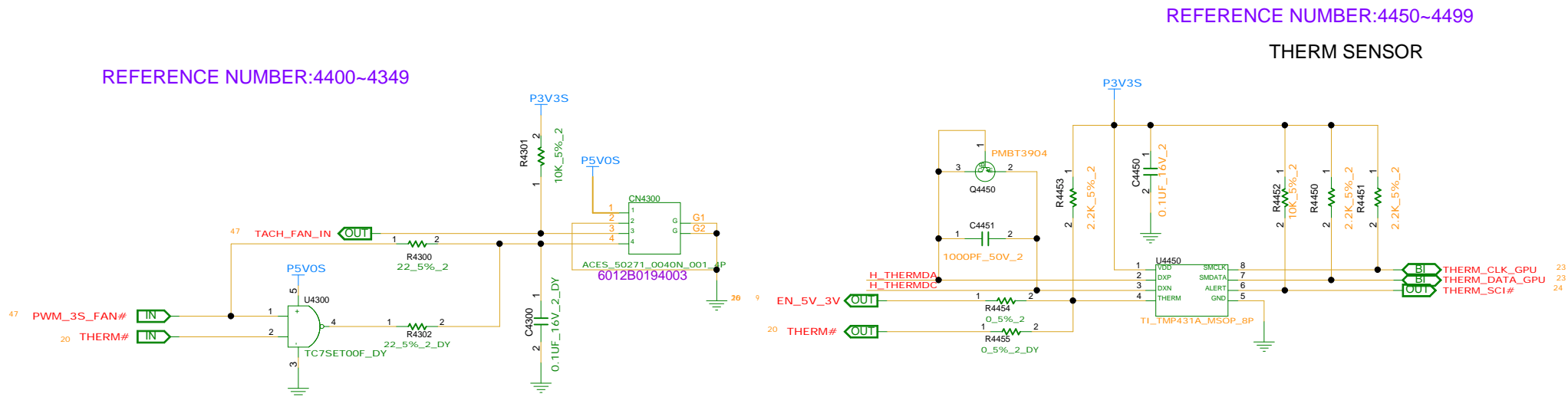


REFERENCE NUMER : 2950~2999

INVENTEC

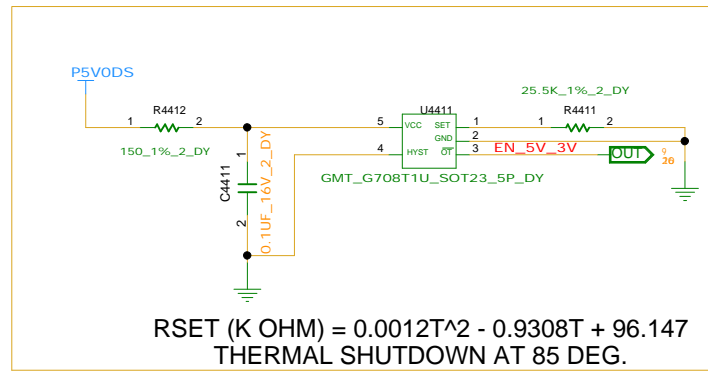
TITLE			
MODEL PROJECT FUNCTION POWER (SEQUENCE)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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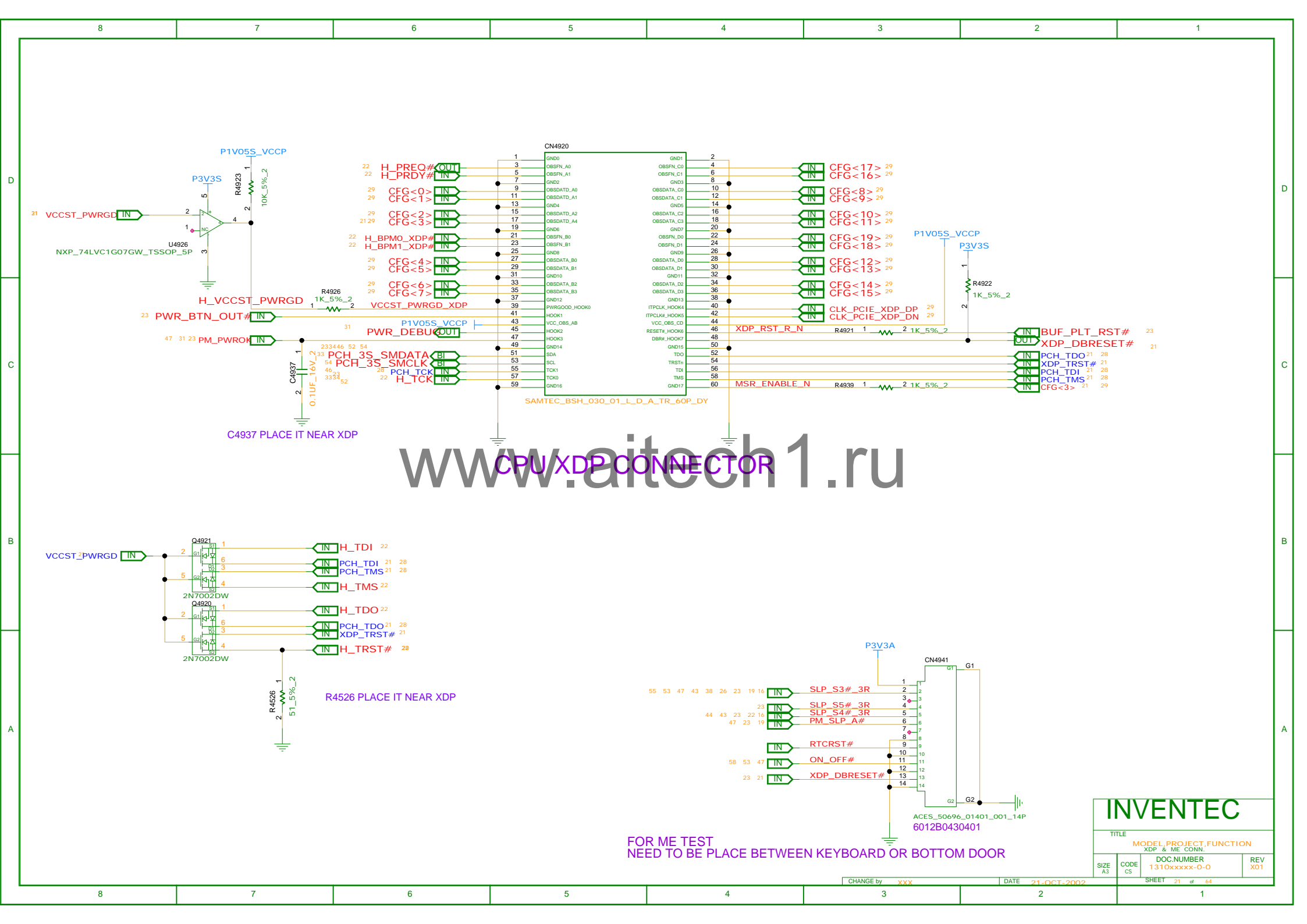
AMBIENT TEMP SENSE
WILL BE NOT USED IN 2013?



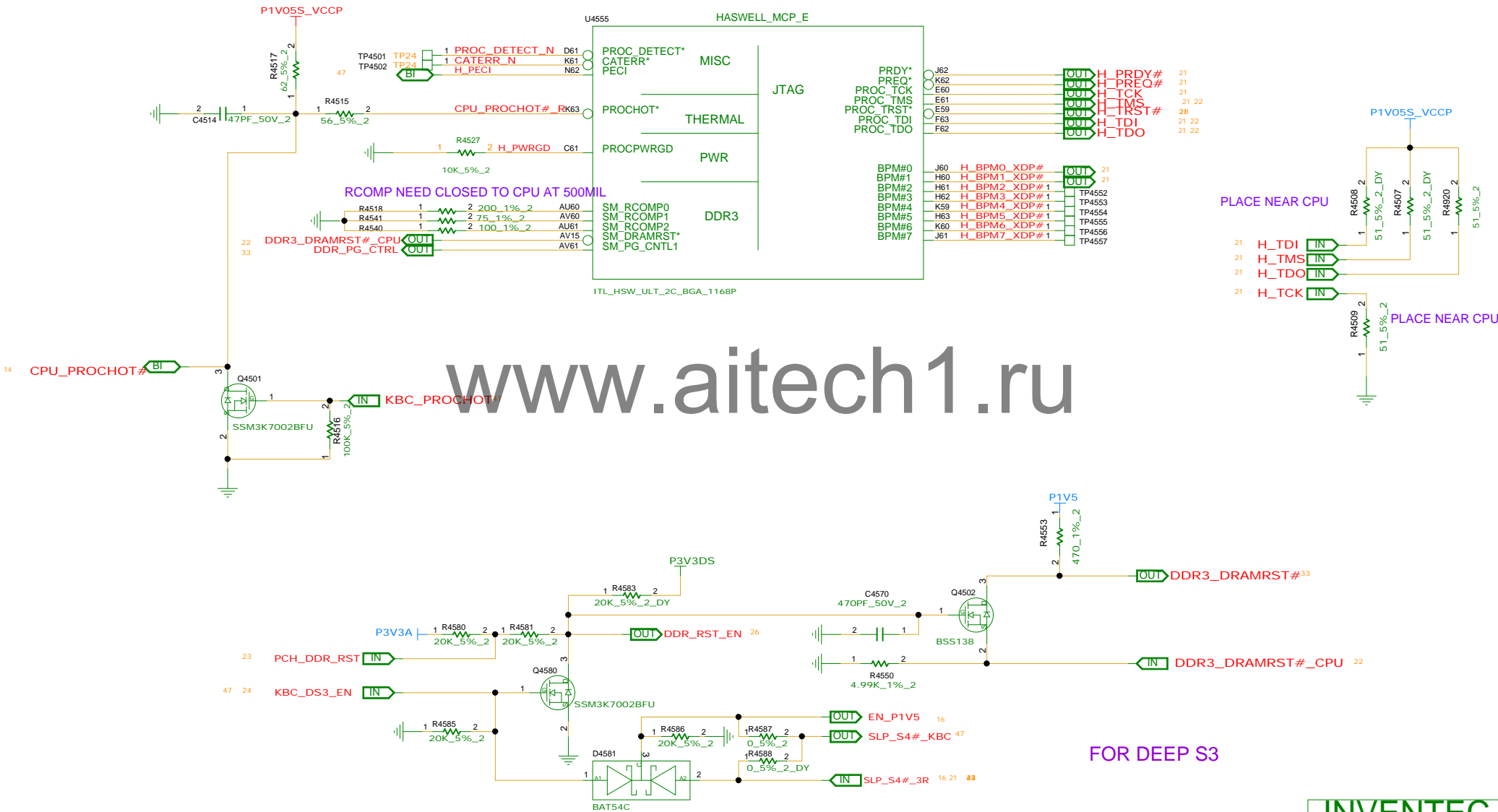
RSET (K OHM) = 0.0012T^2 - 0.9308T + 96.147
THERMAL SHUTDOWN AT 85 DEG.

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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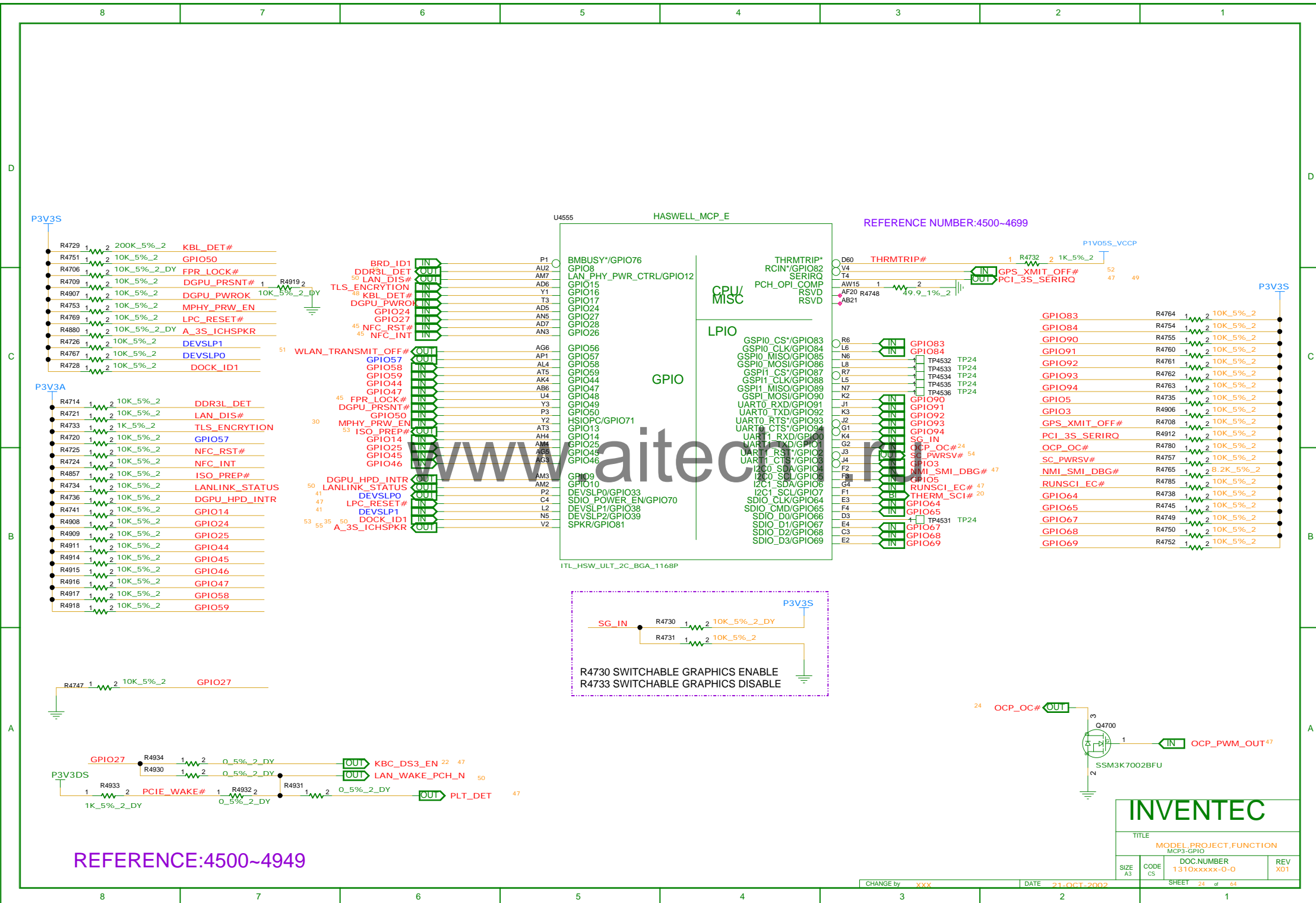


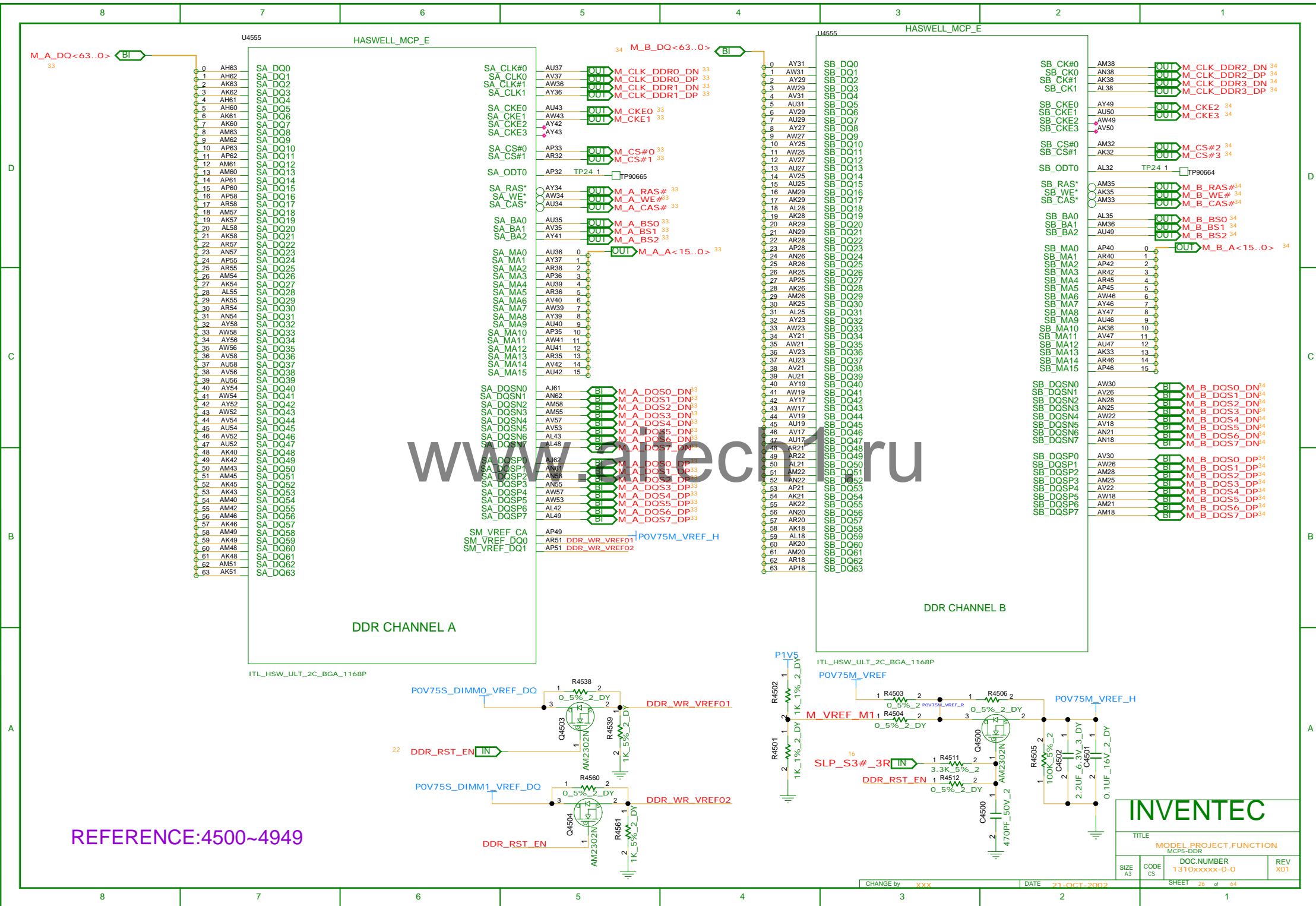
www.aitech1.ru

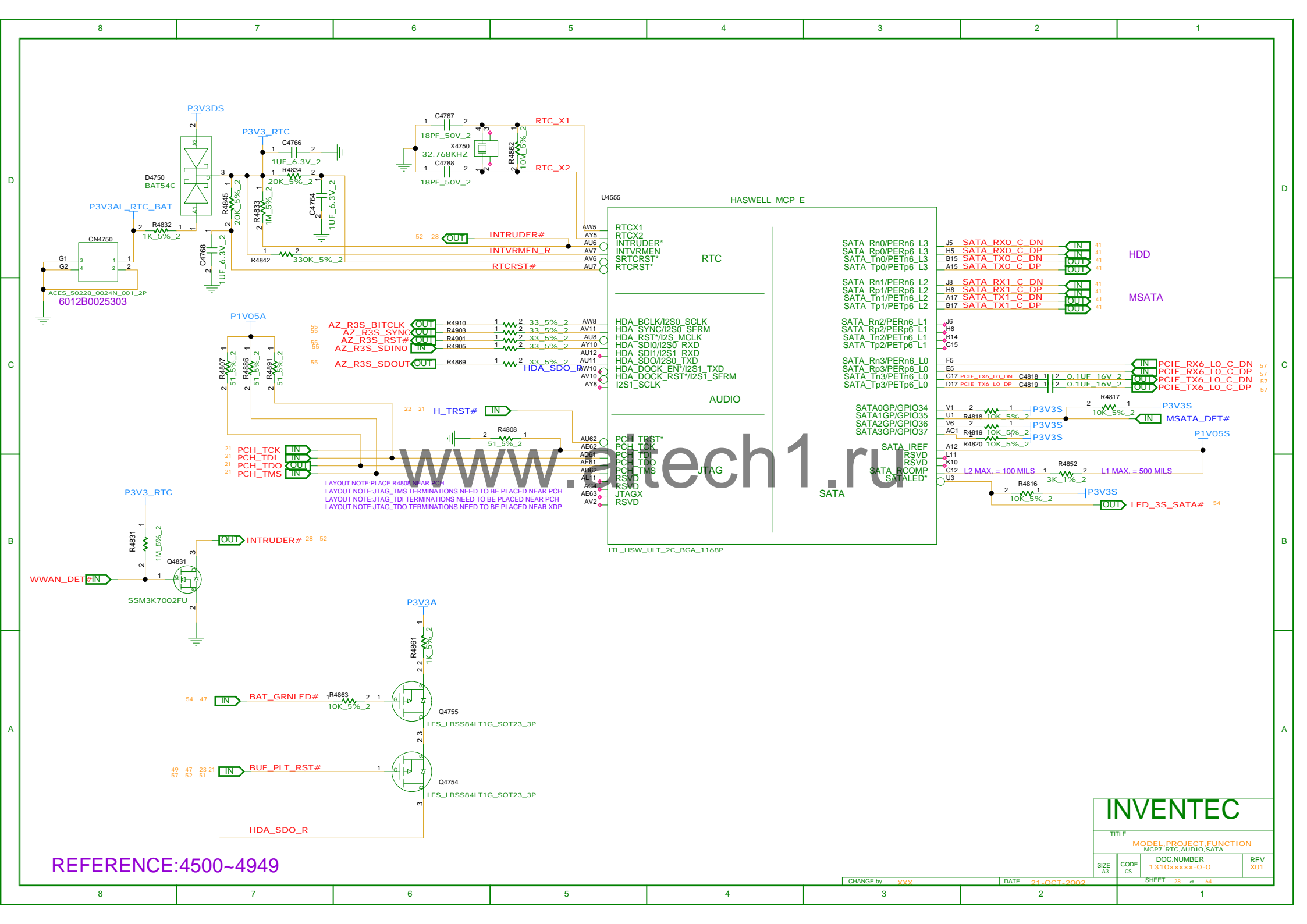


REFERENCE:4500~4949

INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
MCP1-MISC			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
CHANGE by XXX			
DATE 21-OCT-2002			
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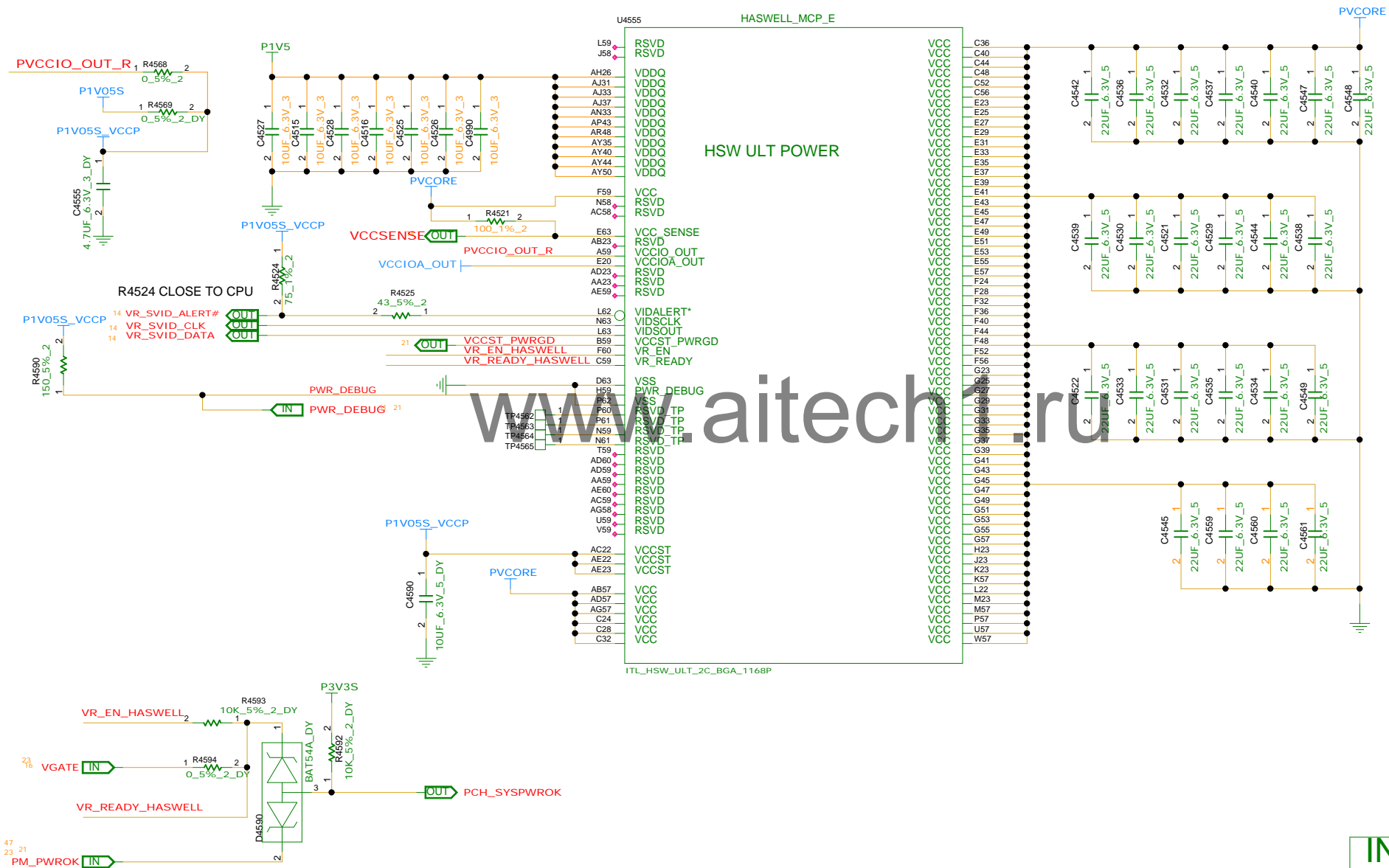


www.gatech1.ru

REFERENCE:4500~4949

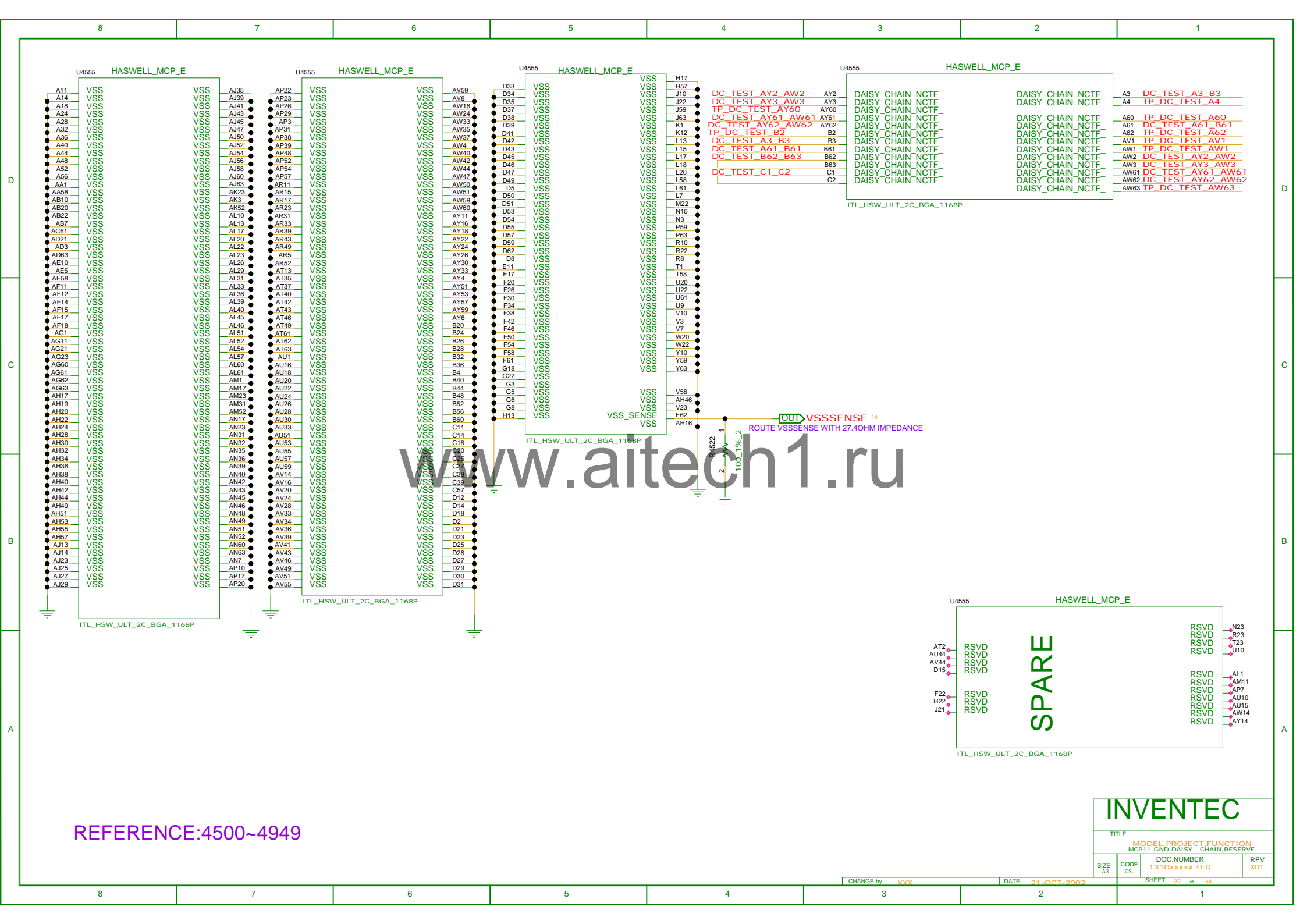
INVENTEC				
TITLE				
MODEL PROJECT FUNCTION MCP7-RTC AUDIO SATA				
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01	
SHEET 28 of 64				

ROUTE VCCSENSE WITH 27.4OHM IMPEDANCE



REFERENCE:4500~4949

INVENTEC			
TITLE			
MODEL PROJECT, FUNCTION MCPIO-POWER			
SIZE A3	CODE CS	DOC. NUMBER 1310xxxxx-0-0	REV X01
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REFERENCE:4500~4949

INVENTEC

TITLE

MODEL PROJECT.FUNCTION

MCP111-GND,DAISY_CHAIN_RESERVE

SIZE A3

CODE CS

DOC NUMBER

1310xxxxx-0-0

REV

X01

CHANGE by

xxx

DATE

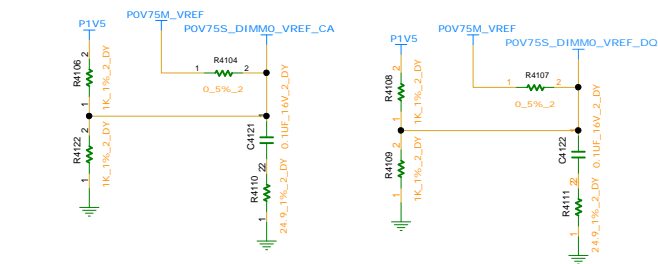
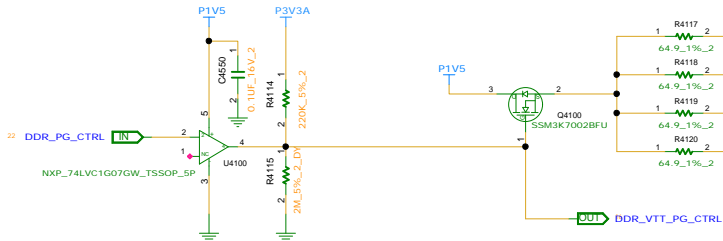
21-OCT-2002

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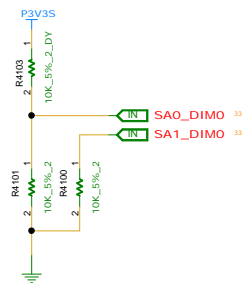
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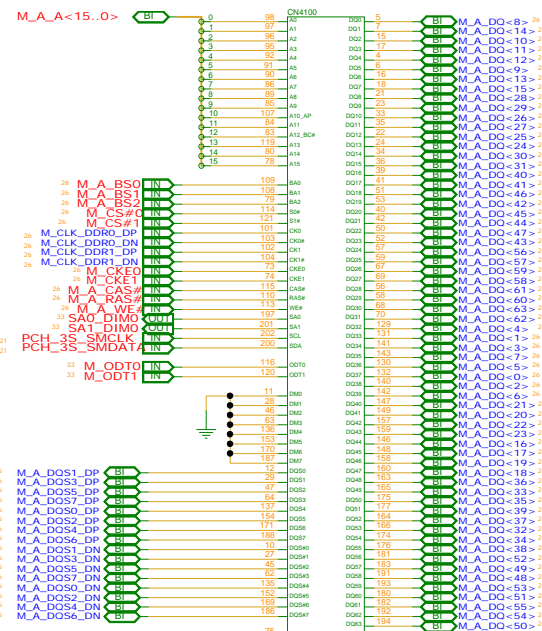
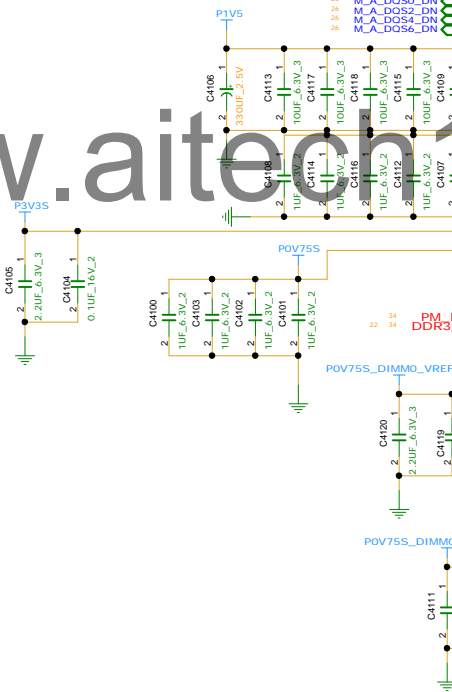


IF SA0_DIM0=0, SA1_DIM0=0
SO-DIMMA SPD ADDRESS IS 0XA0
SO-DIMMA TS ADDRESS IS 0X30

IF SA0_DIM0=1, SA1_DIM0=0
SO-DIMMA SPD ADDRESS IS 0XA2
SO-DIMMA TS ADDRESS IS 0X32



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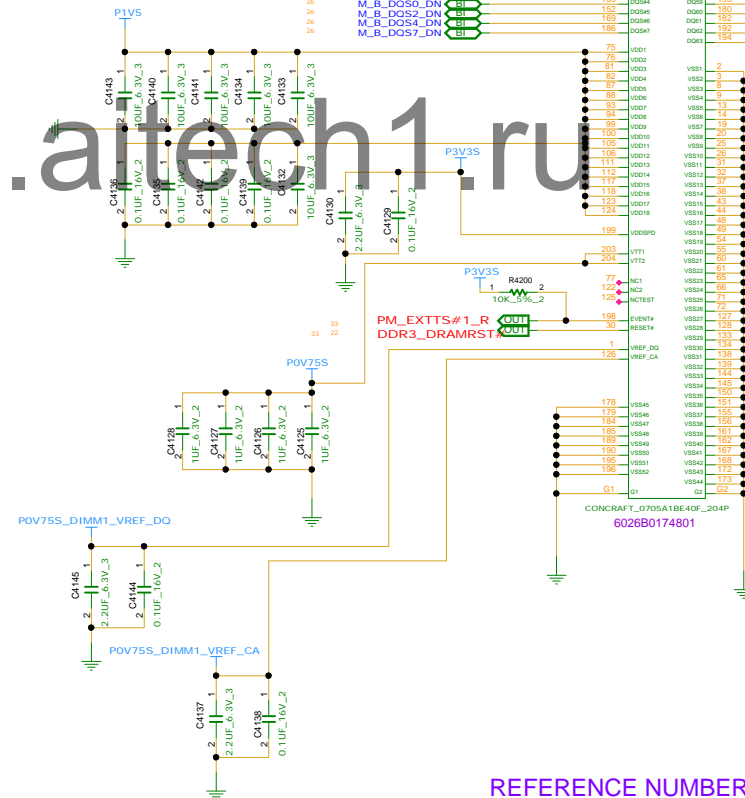
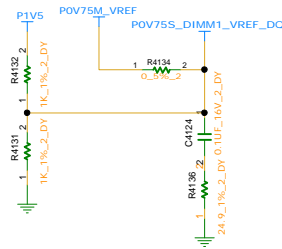
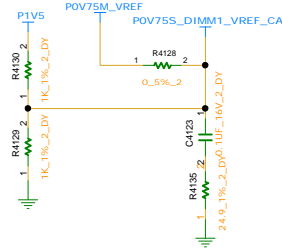
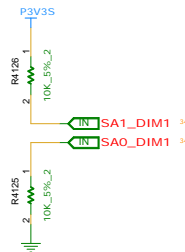


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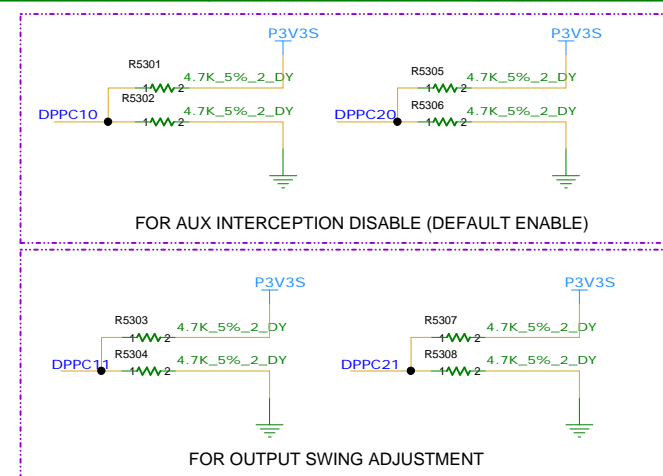
NOTE:

INVENTEC			
MODEL,PROJECT,FUNCTION			
DDR3_SO-DIMMO			
SIZE	CODE	DOC NUMBER	REV
E	CS	131000000-0-0	201
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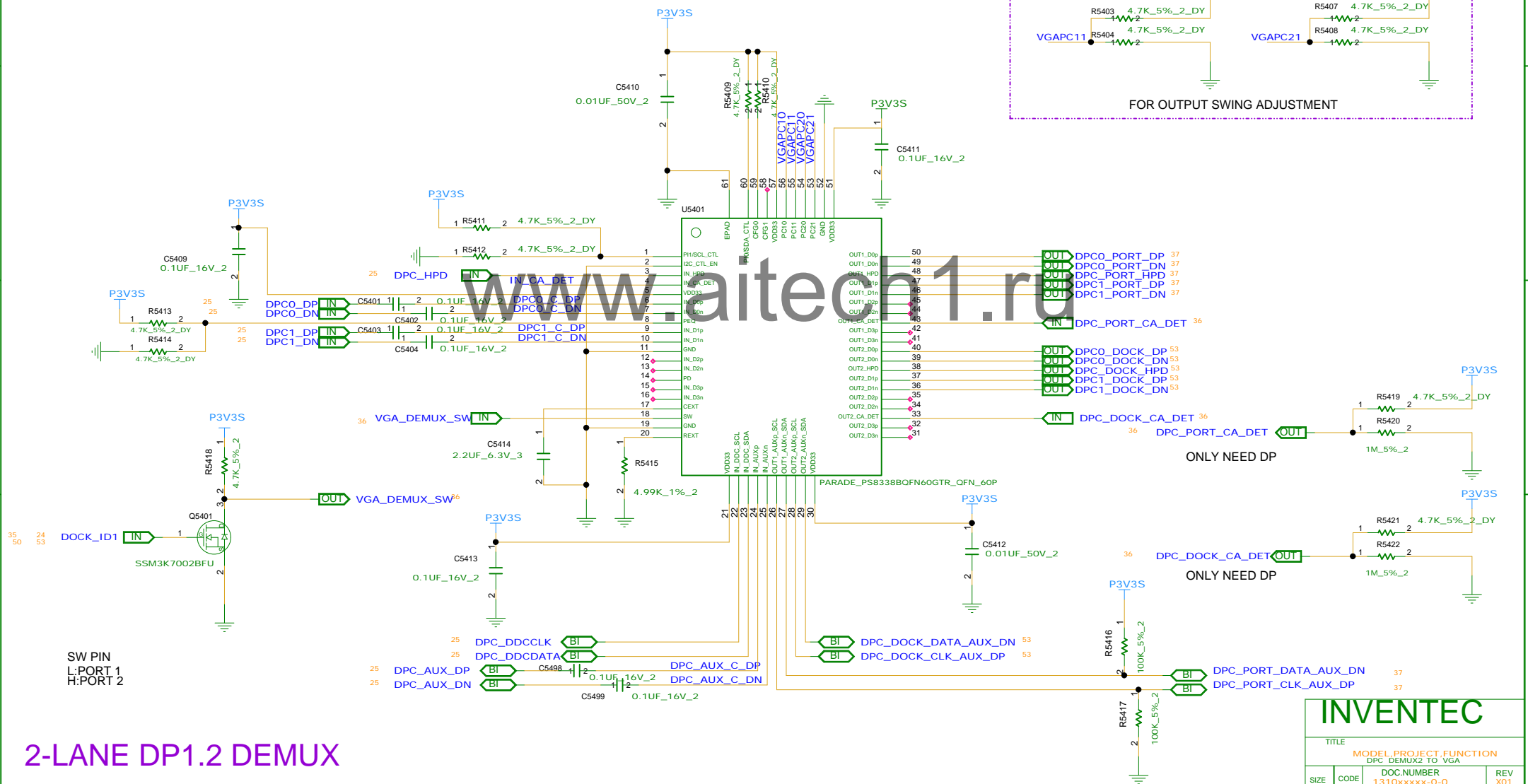
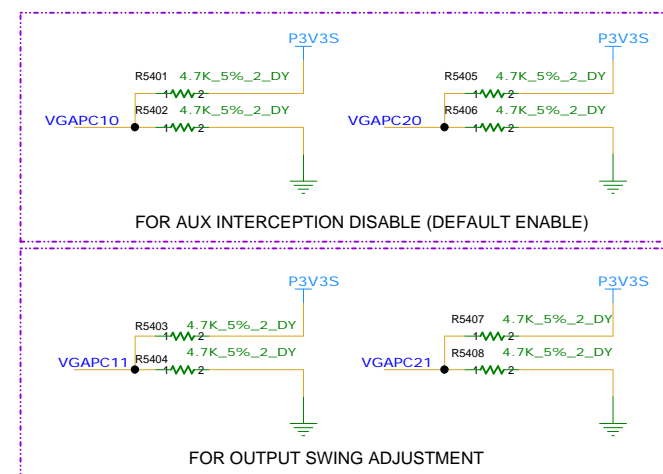
CHANGE by: VXX DATE: 21.OCT.2002

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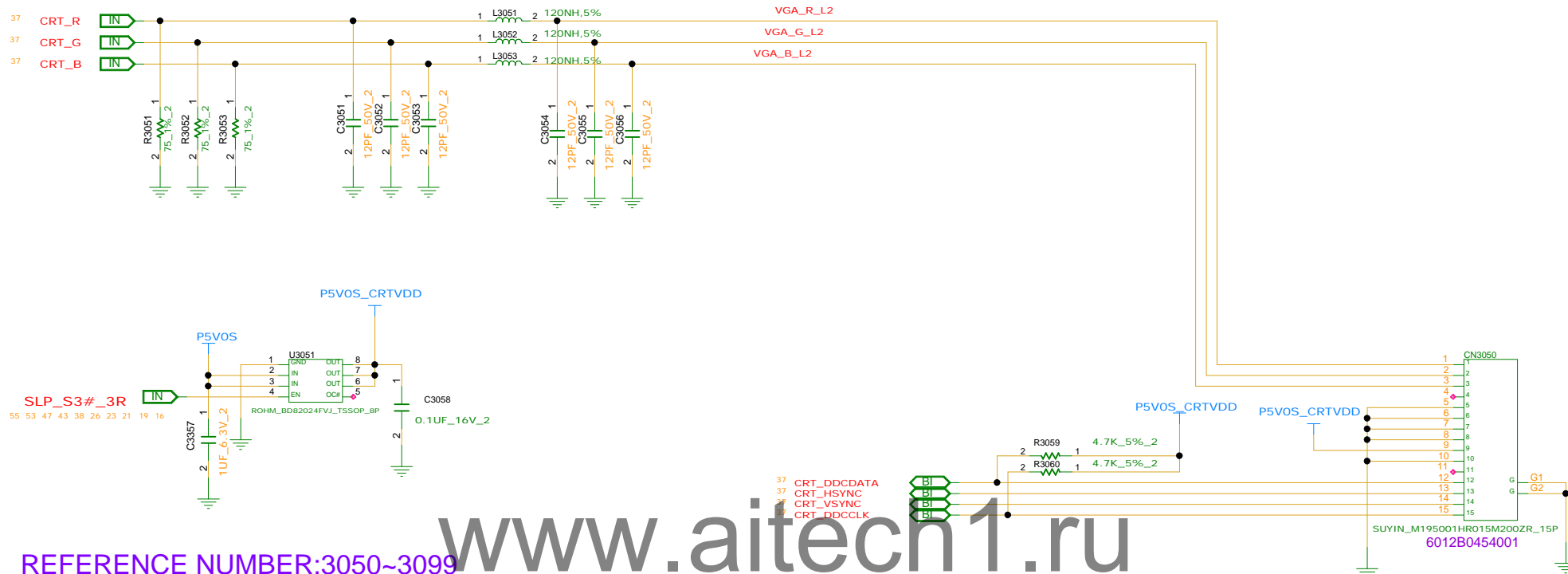
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INVENTEC			
TITLE			
MODEL, PROJECT, FUNCTION DPB DEMUX1 TO DP			
SIZE A3	CODE CS	DOC. NUMBER 1310xxxxx-0-0	REV X01
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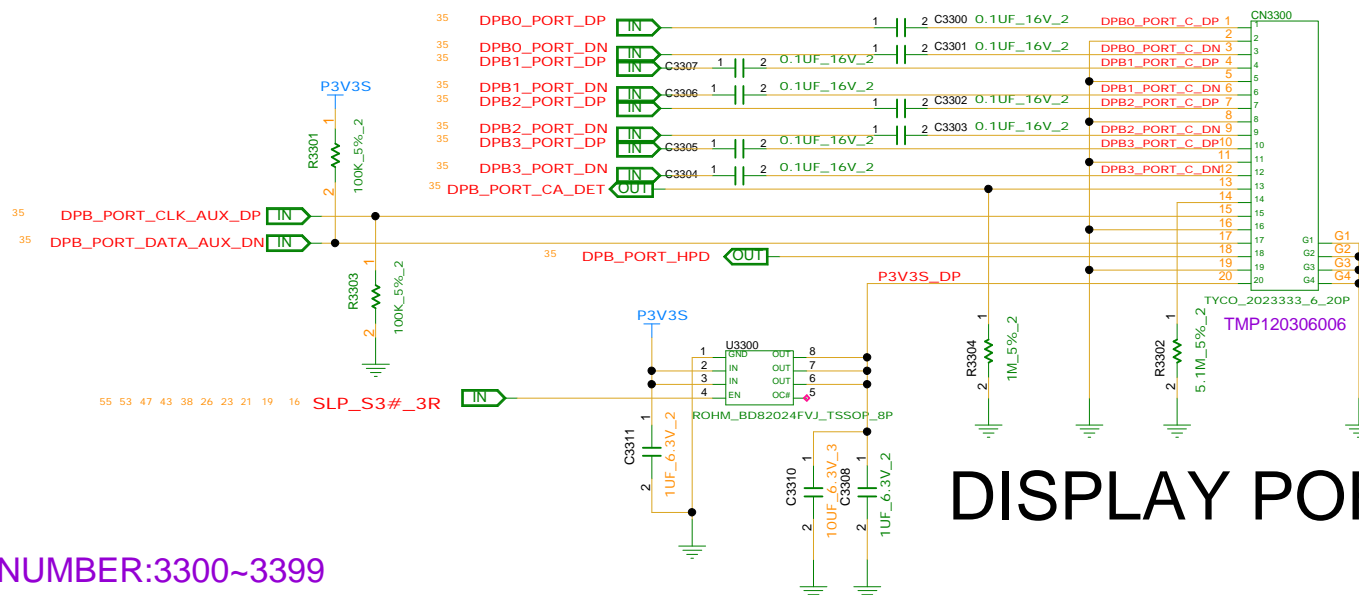
2-LANE DP1.2 DEMUX



REFERENCE NUMBER:3050~3099

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CRT

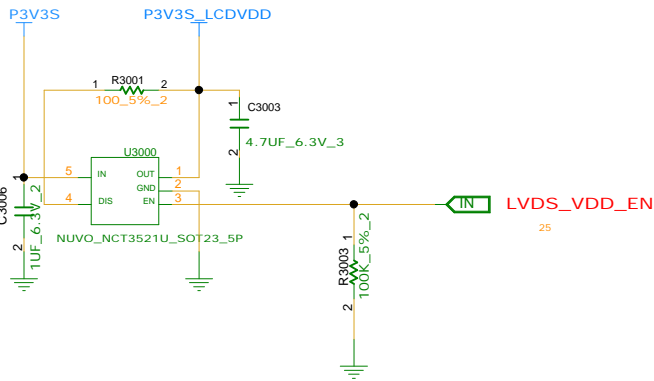


REFERENCE NUMBER:3300~3399

DISPLAY PORT

INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION			
CRT & DP			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-O-O	X01
SHEET 38 of 64			



CHECK IF TOUCH PANEL NEED OTHER POWER RAIL

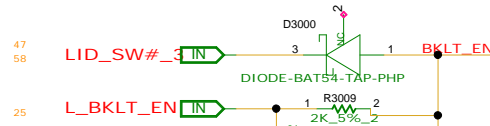
TOUCH PANEL

42 USB_D_P4_DN
42 USB_D_P4_DP

25 EDP_TX1_DN
25 EDP_TX1_DP
25 EDP_TX0_DN
25 EDP_TX0_DP
25 EDP_AUX_DP
25 EDP_AUX_DN

1 2 C3014 0.1UF_16V_2 EDP_TX1_C_DN
1 2 C3013 0.1UF_16V_2 EDP_TX1_C_DP
1 2 C3012 0.1UF_16V_2 EDP_TX0_C_DN
1 2 C3011 0.1UF_16V_2 EDP_TX0_C_DP
1 2 C3010 0.1UF_16V_2 EDP_AUX_C_DP
1 2 C3009 0.1UF_16V_2 EDP_AUX_C_DN

P3V3S_LCDVDD



25 INV_PWM
55 DMIC_CLK
55 DMIC_DATA

25 CAMERA_ON

27 USB_P6_DP
27 USB_P6_DN

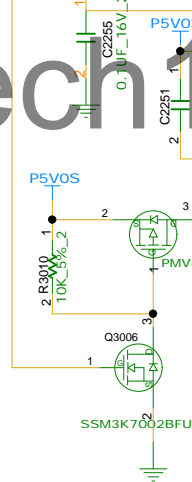
P5V0S_LOGO

PVBAT

ACES_50203_04001_001_40P
6012B0431202

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25-34 WEBCAM
35-36 LOGO LIGHT



P1V05S_VCCP

25 EDP_HPDP#

Q3003
SSM3K7002BFU

1 EMB_HPDP

EDP LVDS CO-LAYOUT CONN
REFERENCE NUMBER:3000~3049

INVENTEC

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

RESERVE

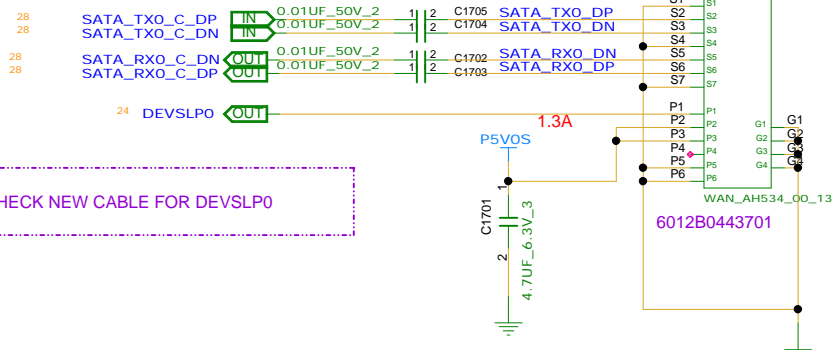
www.sittech1.ru

INVENTEC

TITLE
MODEL,PROJECT,FUNCTION
EDP TO LVDS

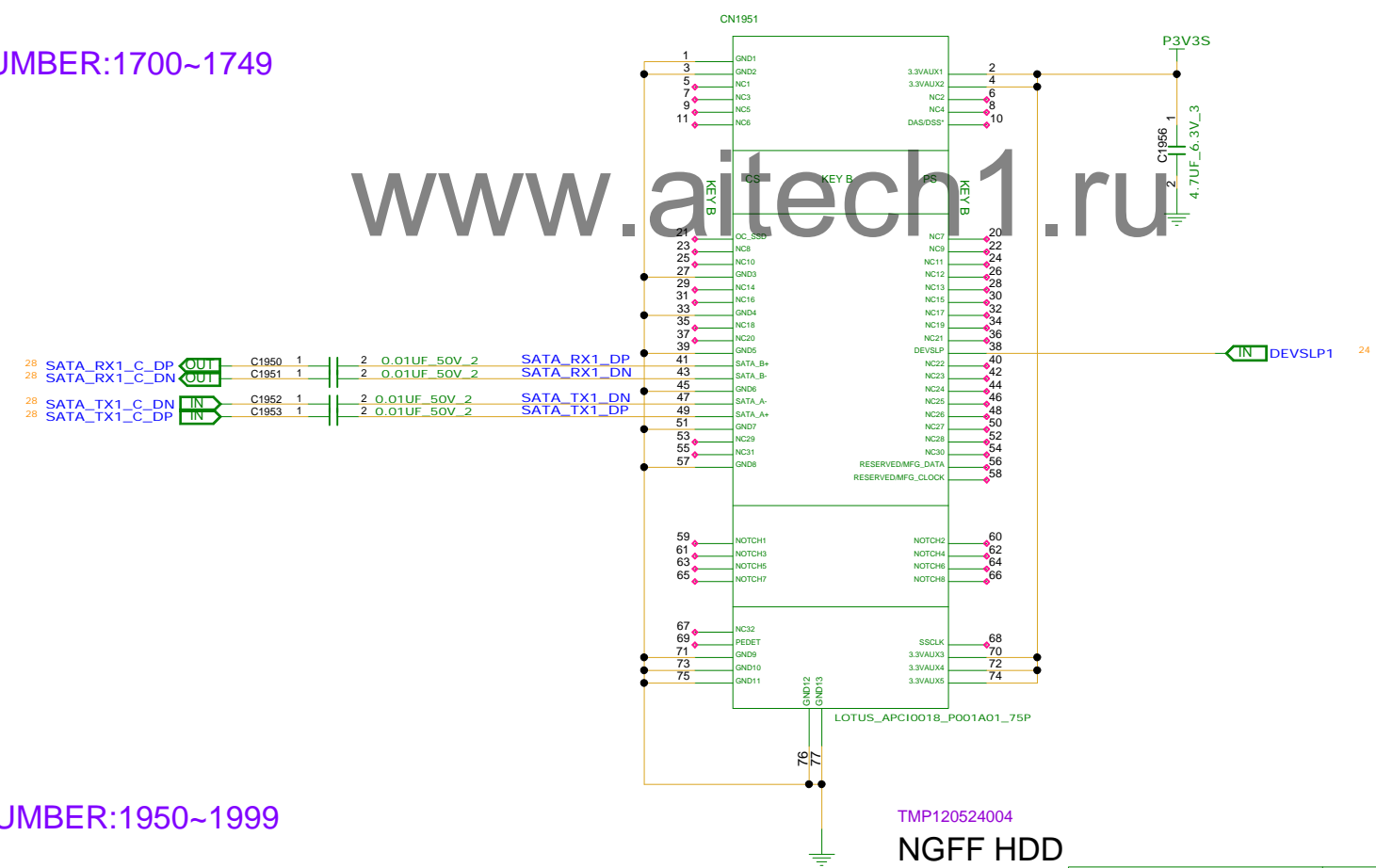
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SATA HDD CABLE CONNECTOR

REFERENCE NUMBER:1700~1749

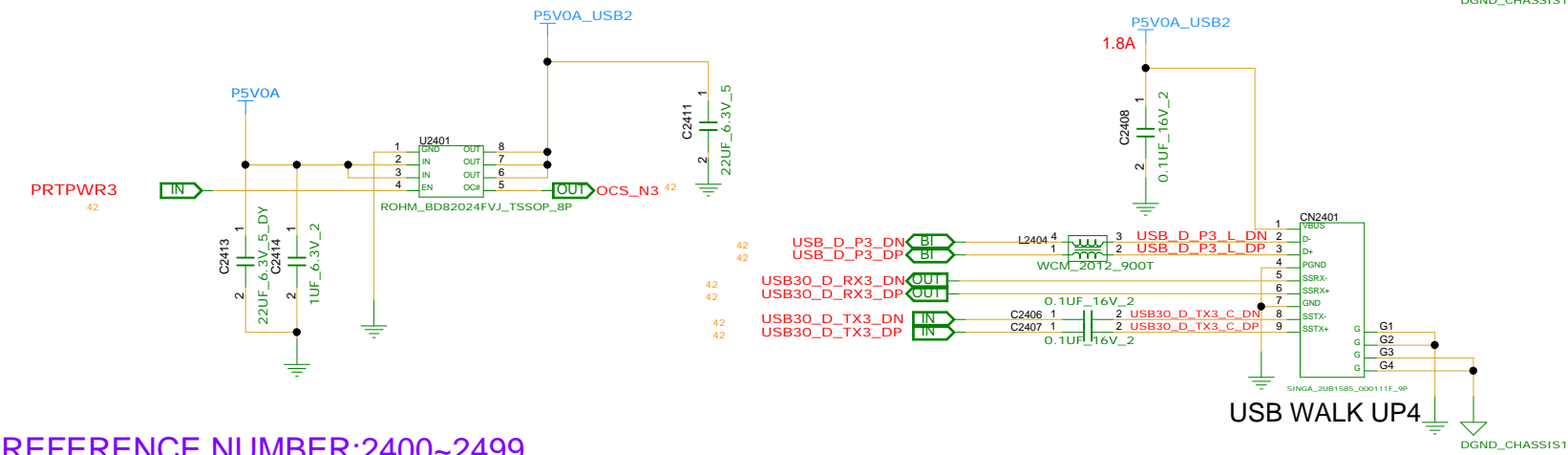
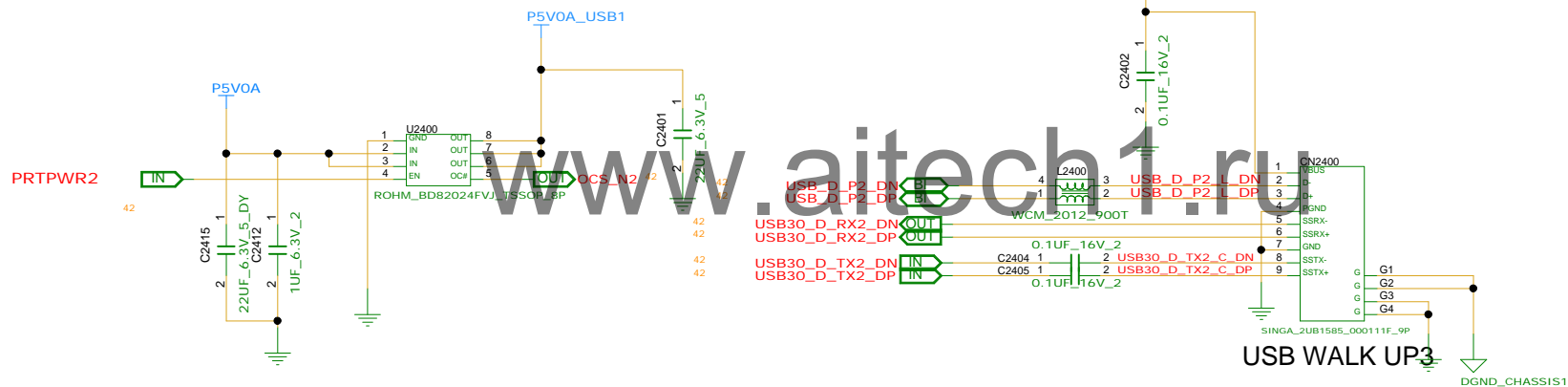
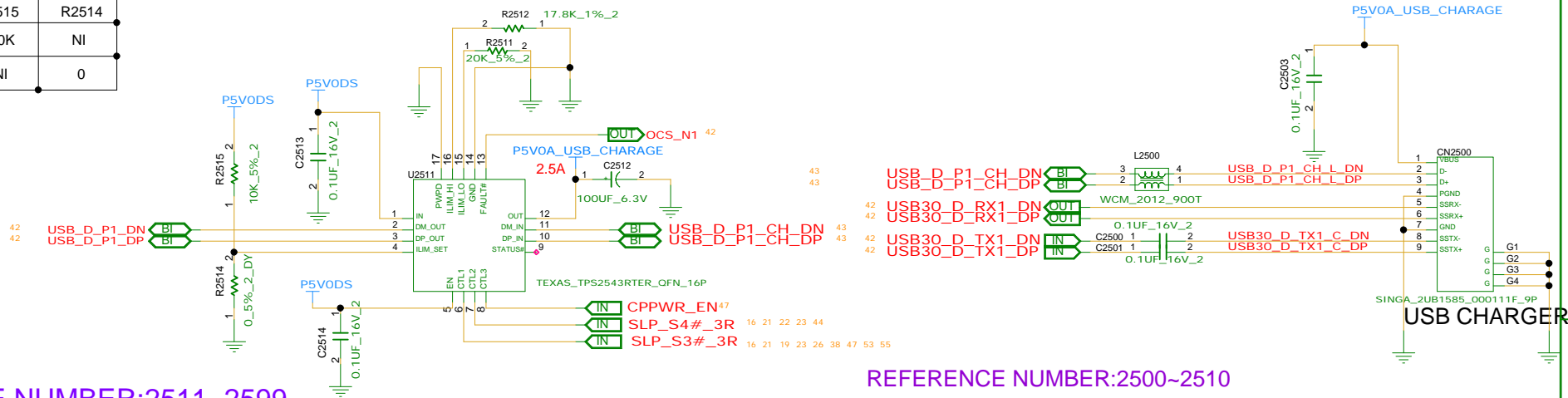


NGFF HDD

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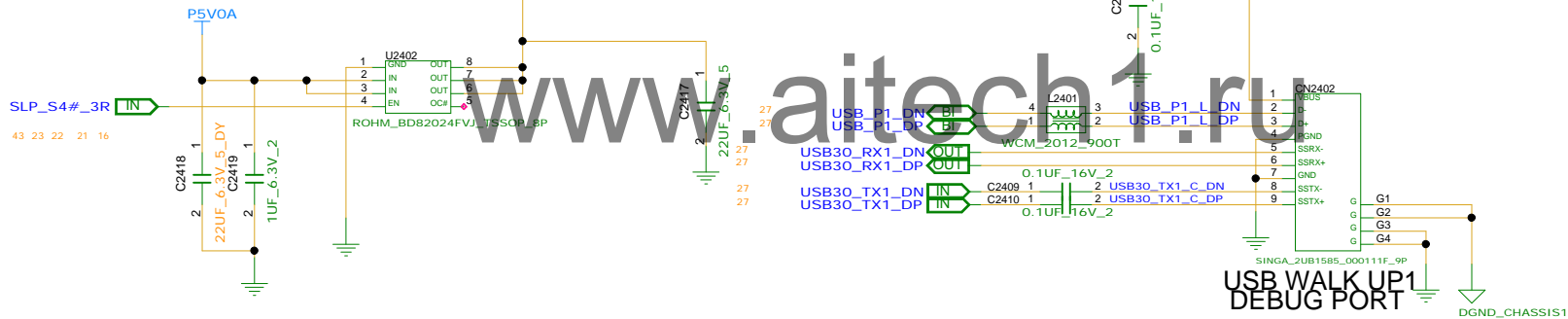
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TITLE			
MODEL PROJECT FUNCTION			
SATA HDD S-M-SATA CONN			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
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	R2511	R2515	R2514
TPS2543	20K	10K	NI
TPS2540/A	NI	NI	0
PI5USB2543			



INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
USB & USB CHARGER			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-O-O	X01
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REFERENCE NUMBER:2400~2499

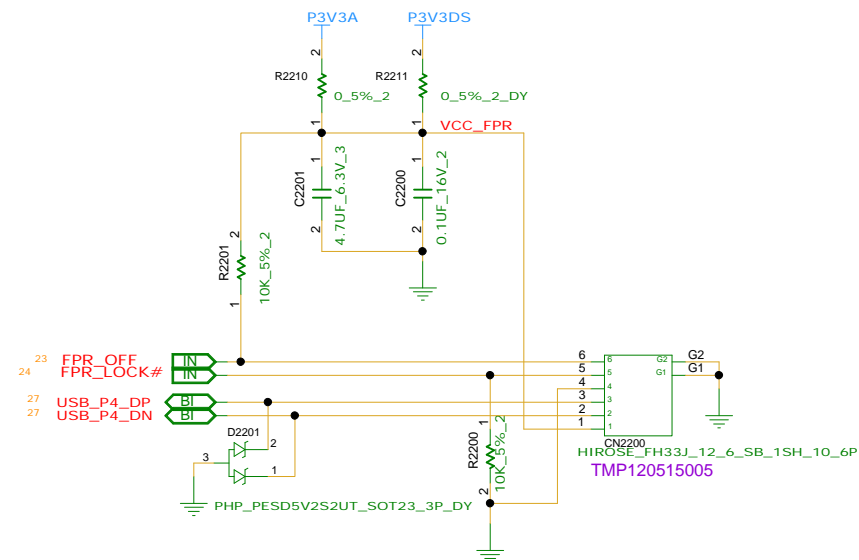
INVENTEC

TITLE
MODEL,PROJECT,FUNCTION

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

CHANGE by XXX DATE 21-OCT-2002

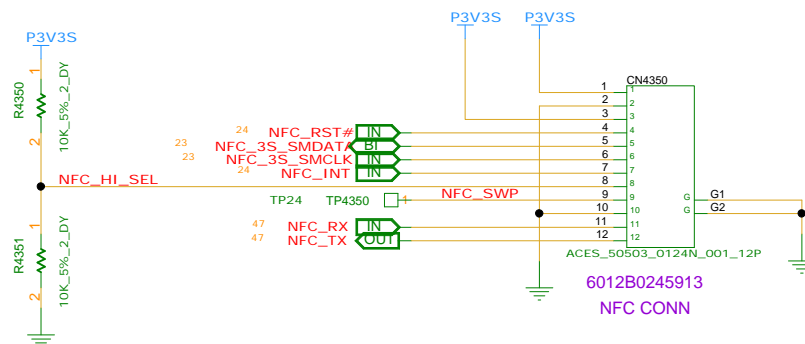
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FINGER PRINT CONN

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REFERENCE:2200~2249



6012B0245913
NFC CONN

REFERENCE:4350~4399

DB0 RESERVE PAD FOR TEST

INVENTEC

TITLE

MODEL PROJECT FUNCTION

FINGER PRINTER & NFC

DOC NUMBER

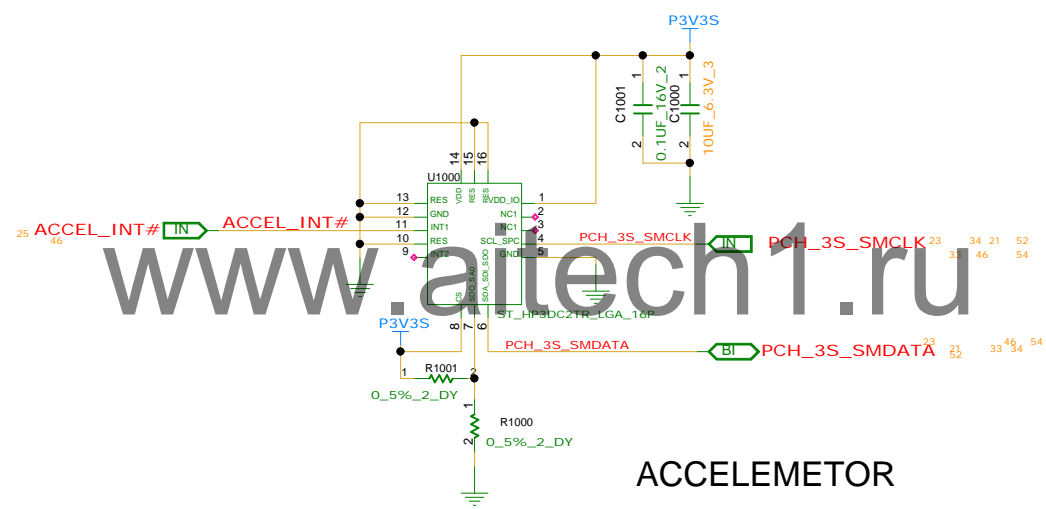
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REV

X01

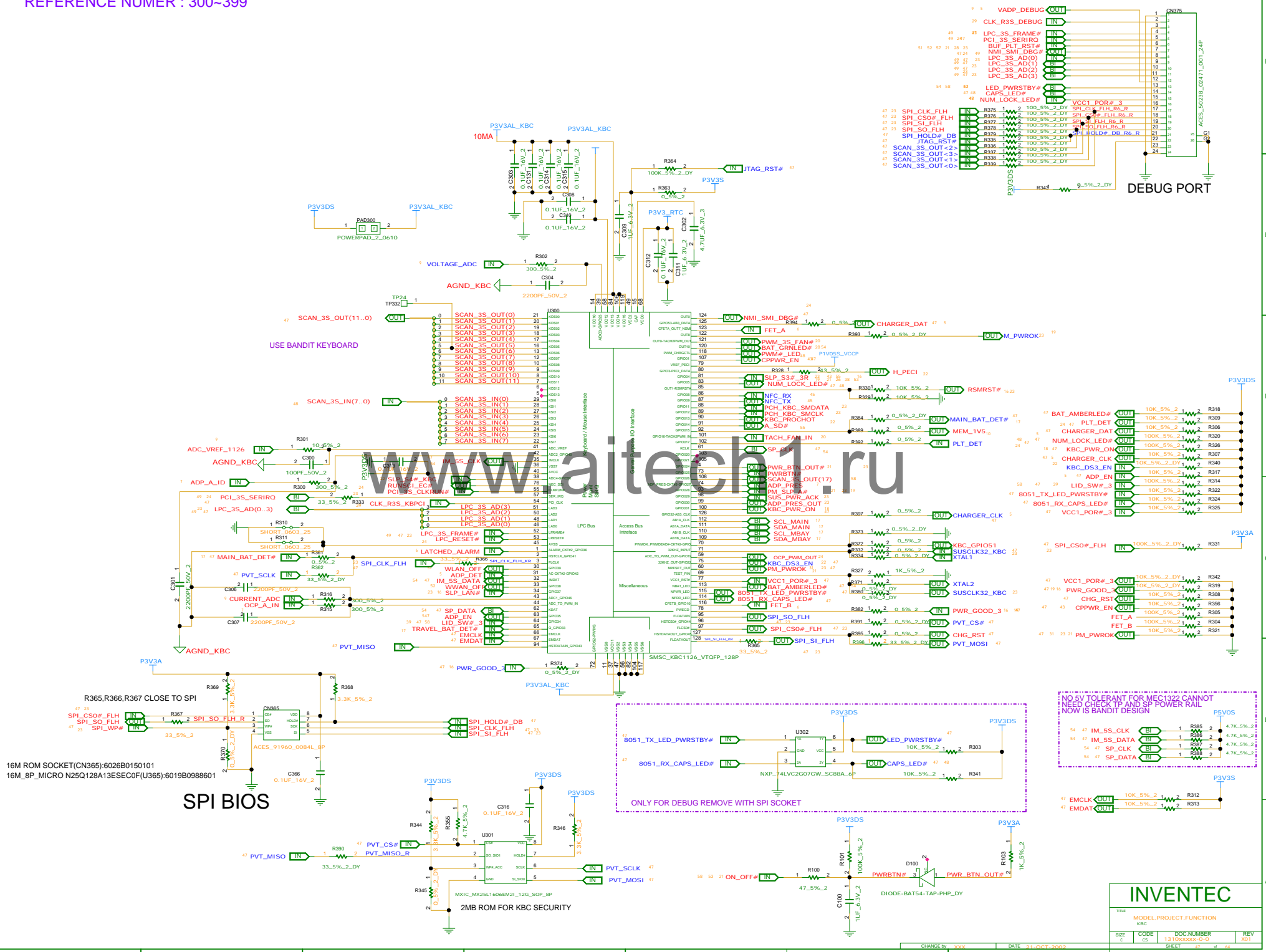
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REFERENCE NUMER : 1000~1099

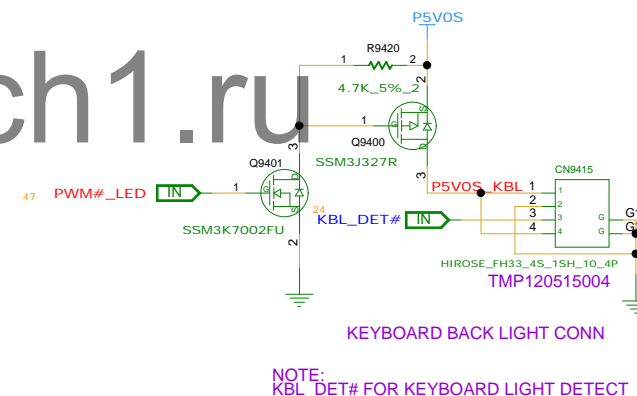
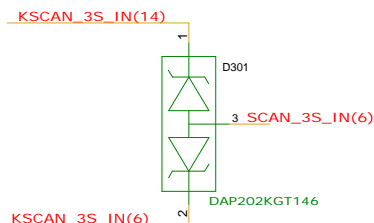
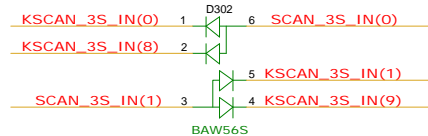
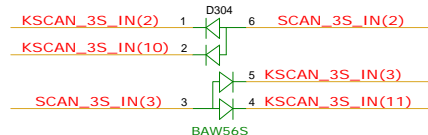
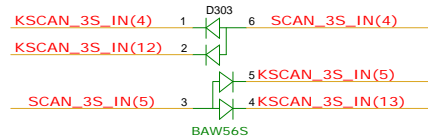
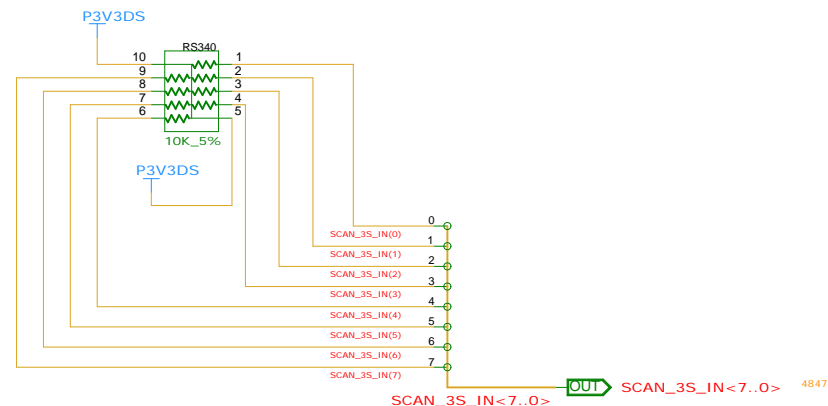
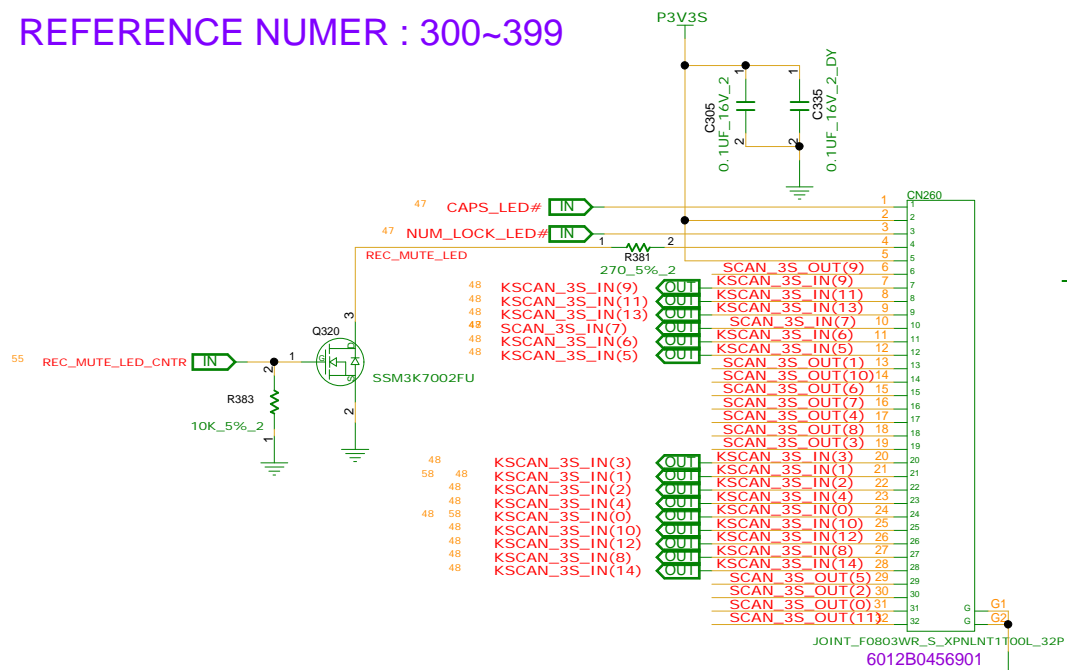
INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION ACCELEMOTOR			
SIZE A3	CODE CS	DOC-NUMBER 1310xxxxx-O-O	REV X01
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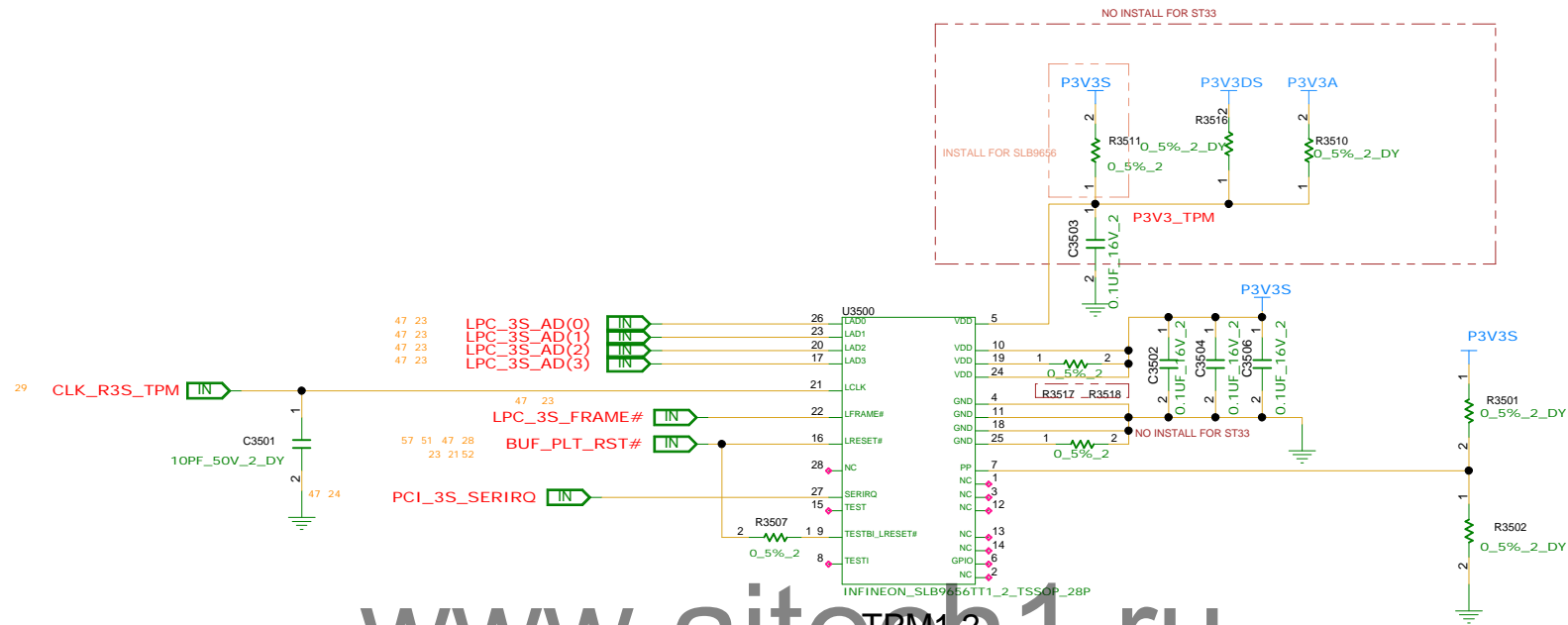
INVENTEC

TITLE	MODEL	PROJECT	FUNCTION
KBC			
SIZE	CODE	DOC NUMBER	REV
E	CS	13101000000-0-0	201
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REFERENCE NUMER : 300~399



INVENTEC			
TITLE			
MODEL PROJECT, FUNCTION			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-O-O	X01
SHEET 48 of 64			

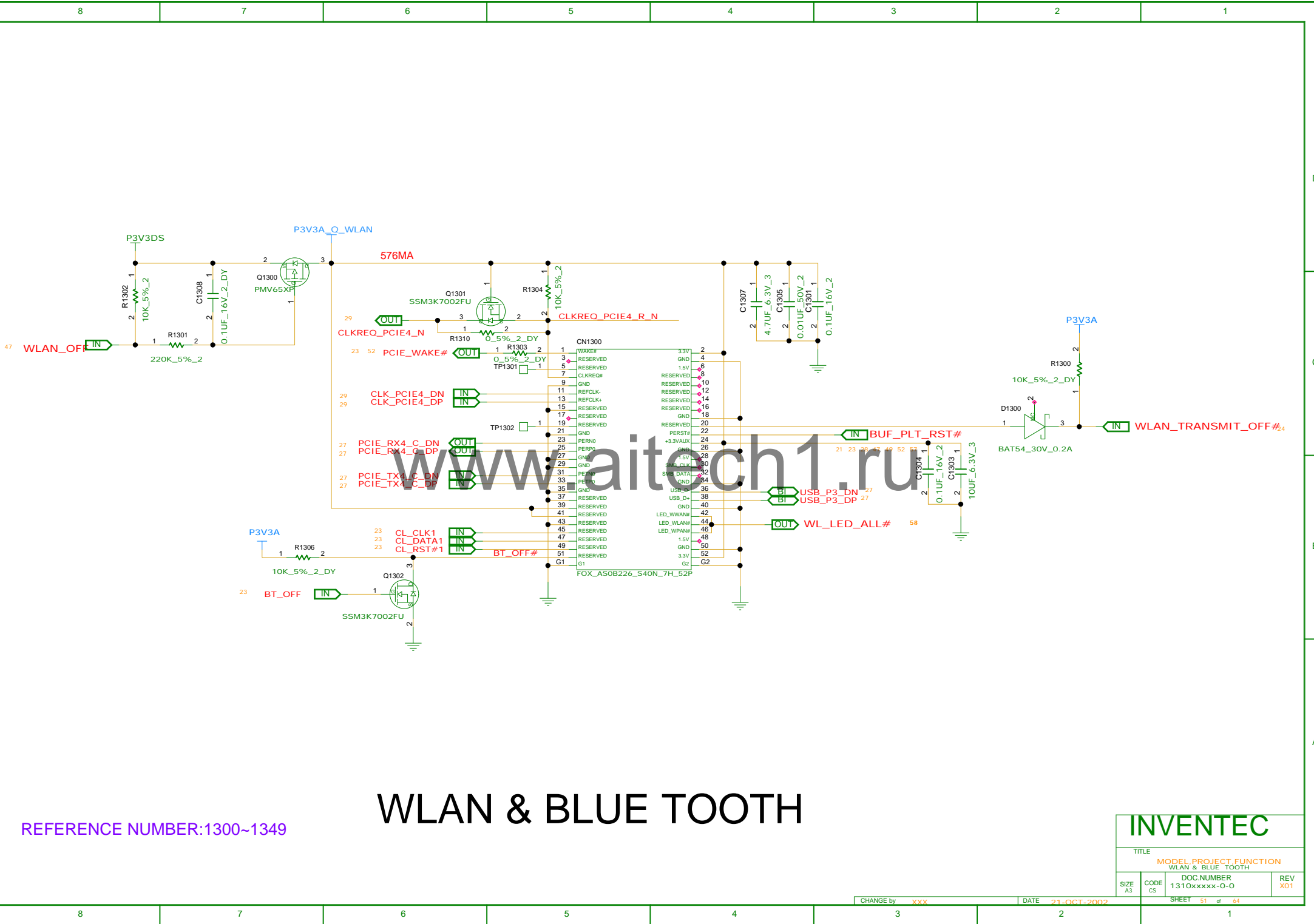


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SLB9656TT1.2		ST33
C3503	INSTALL	OPEN
R3507	INSTALL	OPEN
R3511	INSTALL	OPEN
R3517	INSTALL	OPEN
R3518	INSTALL	OPEN

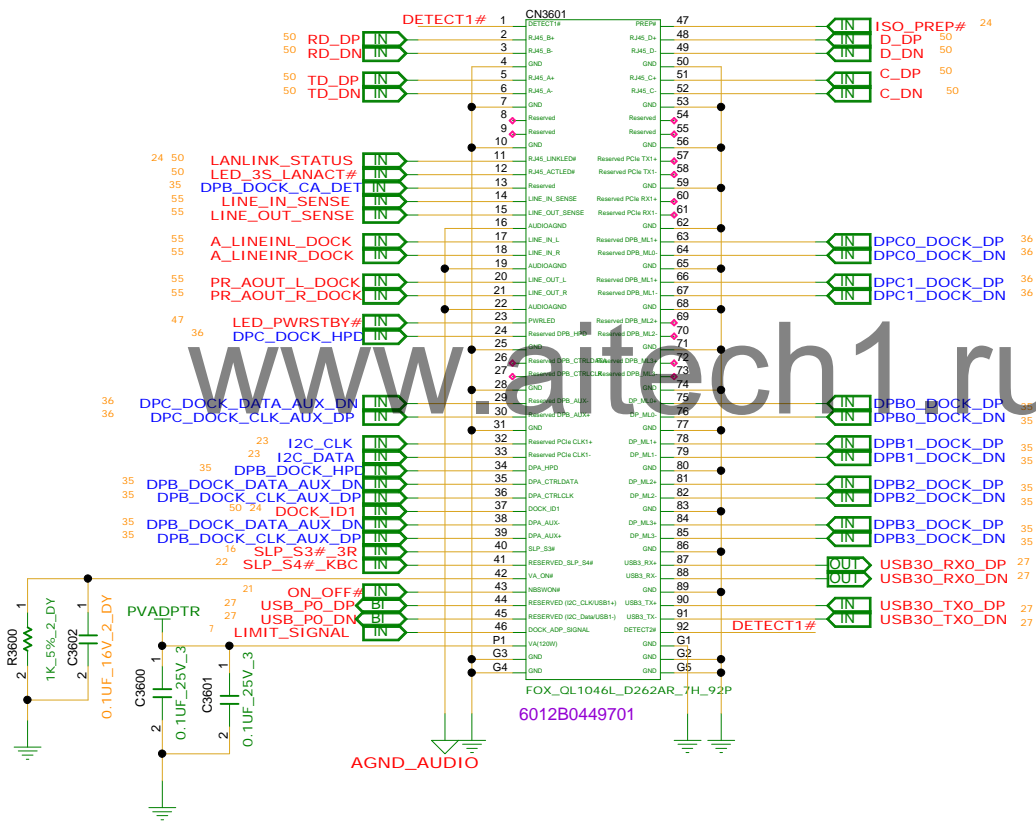
REFERENCE NUMER : 3500~3549

INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
TPM			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-O-O	X01
CHANGE by		DATE	SHEET
XXX		21-OCT-2002	49 of 64



REFERENCE NUMBER:1300~1349

INVENTEC			
TITLE			
MODEL PROJECT FUNCTION			
WLAN & BLUE TOOTH			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 51 of 64			

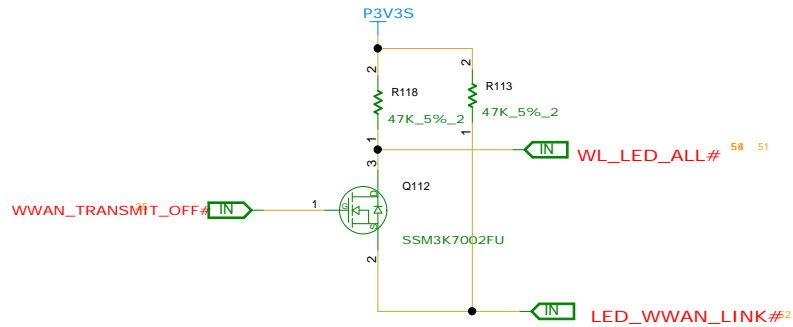


INVENTEC

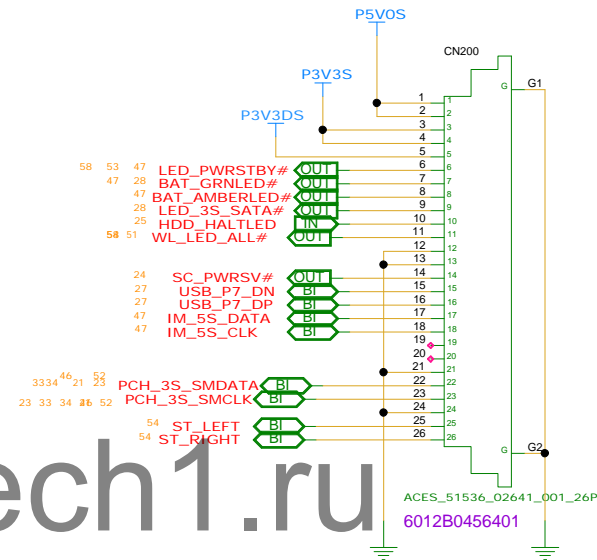
TITLE
MODEL PROJECT FUNCTION
DOCKING CONN.

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

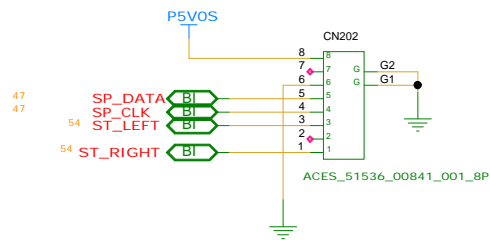
CHANGE by XXX DATE 21-OCT-2002 SHEET 53 of 64



WLAN_WWAN_BLUETOOTH_LED



SMART CARD AND TOUCHPAD D/B W TO B CONN



STICK POINT

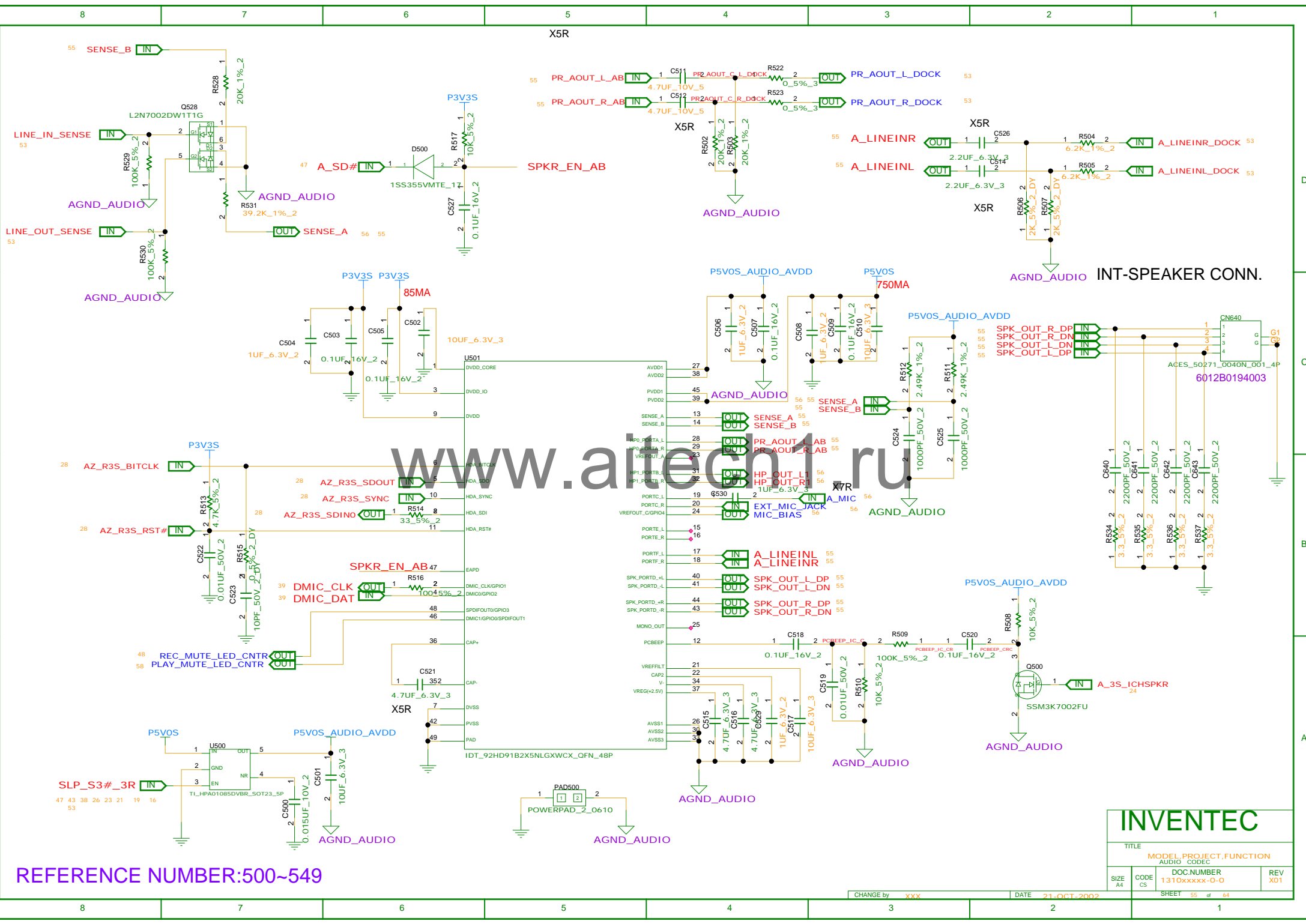
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INVENTEC

REFERENCE NUMBER:100~199

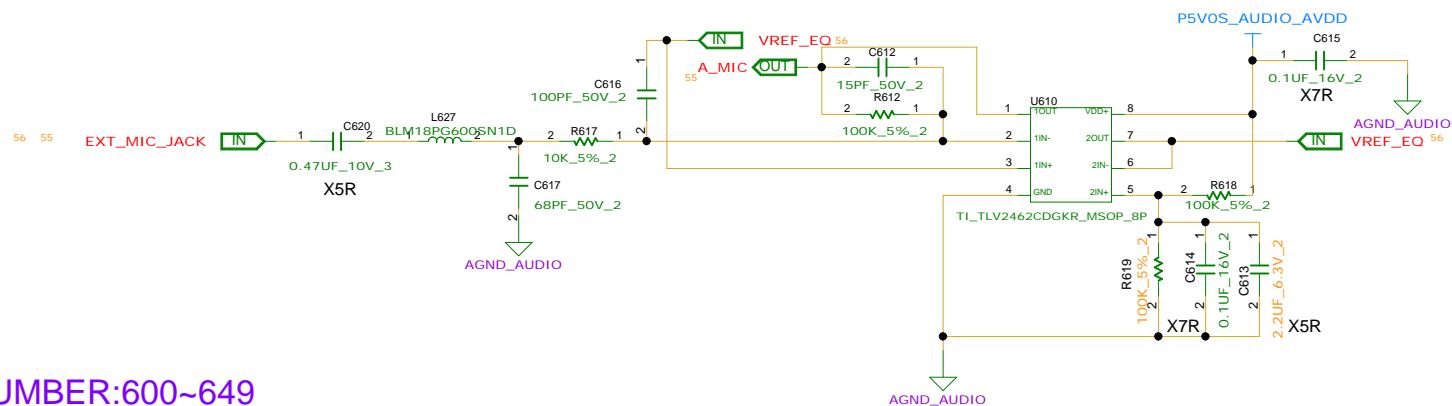
TITLE			
MODEL PROJECT FUNCTION STICK POINT & B2B CNTR			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
SHEET 54 of 64			

CHANGE by: XXX DATE: 21-OCT-2002



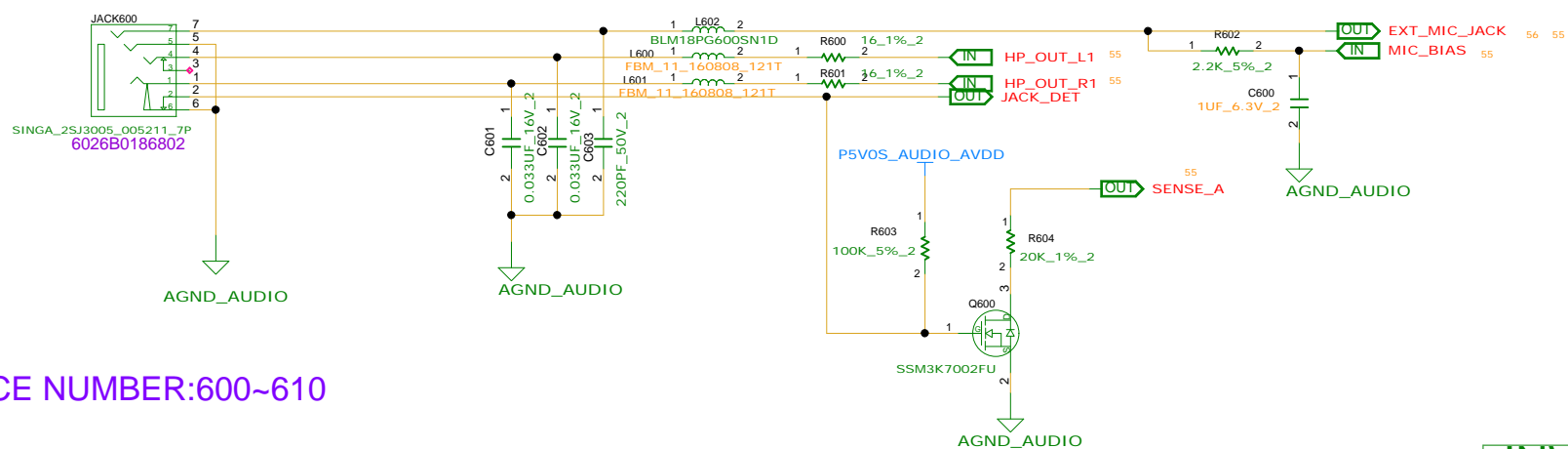
REFERENCE NUMBER:500~549

INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
AUDIO CODEC			
SIZE	CODE	DOC-NUMBER	REV
A4	CS	1310xxxxx-0-0	X01
SHEET 55 of 64			



REFERENCE NUMBER:600~649

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REFERENCE NUMBER:600~610

INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
EXT. MIC AMP. & AUDIO JACK			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 56 of 64			

D

D

C

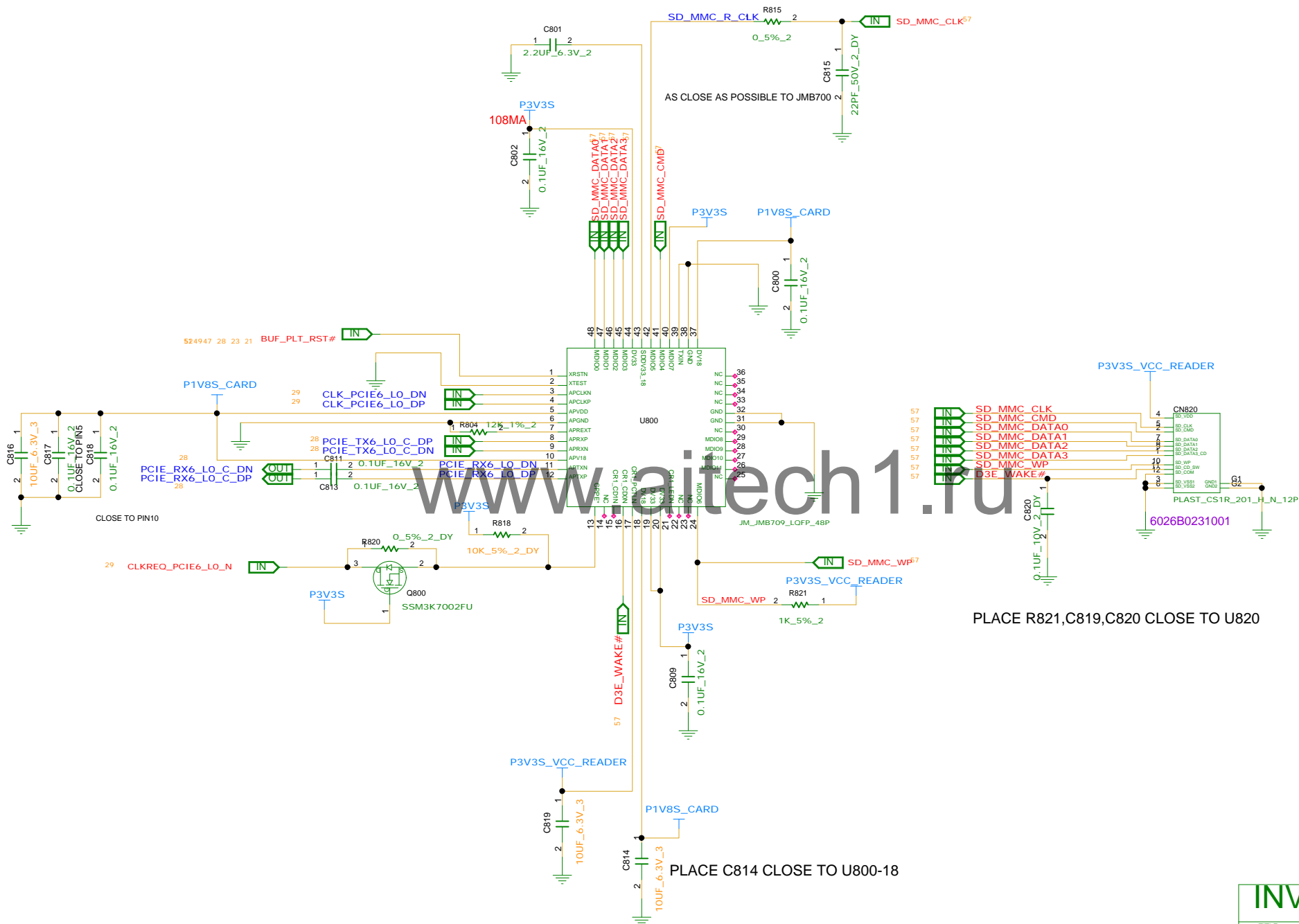
C

B

B

A

A



PLACE R821,C819,C820 CLOSE TO U820

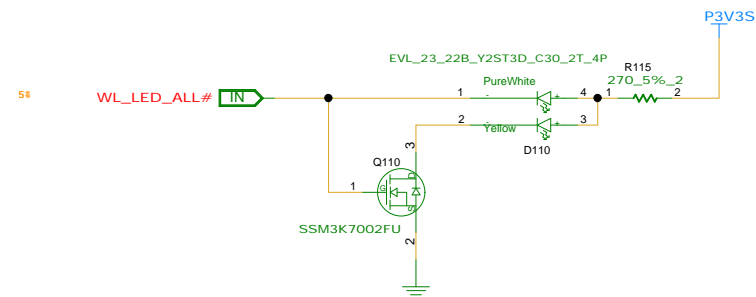
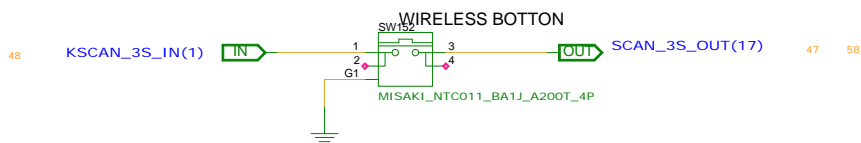
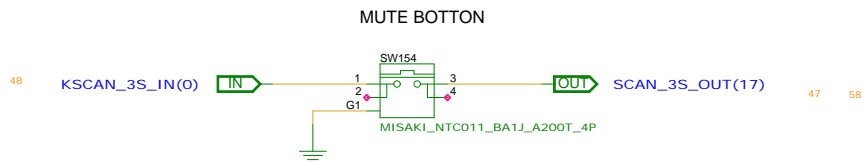
PLACE C814 CLOSE TO U800-18

REFERENCE NUMBER:800~899

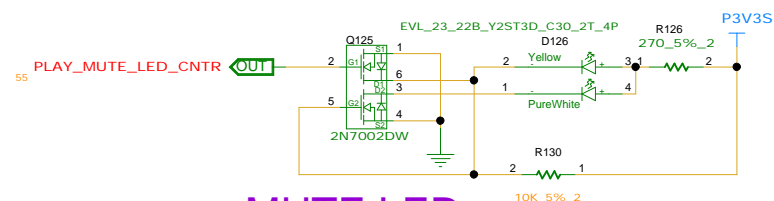
INVENTEC

TITLE			
MODEL PROJECT,FUNCTION			
CARD READER			
SIZE	CODE	DOC.NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 57 of 64			

CHANGE by XXX DATE 21-OCT-2002

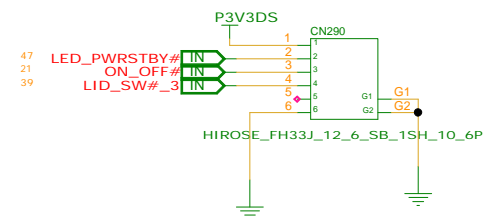


WIRELESS/BLUETOOTH LED



MUTE LED

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TMP120515005
POWER SWITCH B TO B CONN

POWER SWITCH DAUGHTER BOARD

INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-O-O	X01
SHEET 58 of 64			

RESERVE

INVENTEC

TITLE	MODEL,PROJECT,FUNCTION
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SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-O-0	REV X01
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SHEET 50 of 64

REV
X01

SHEET 50 of 64

RESERVE

INVENTEC

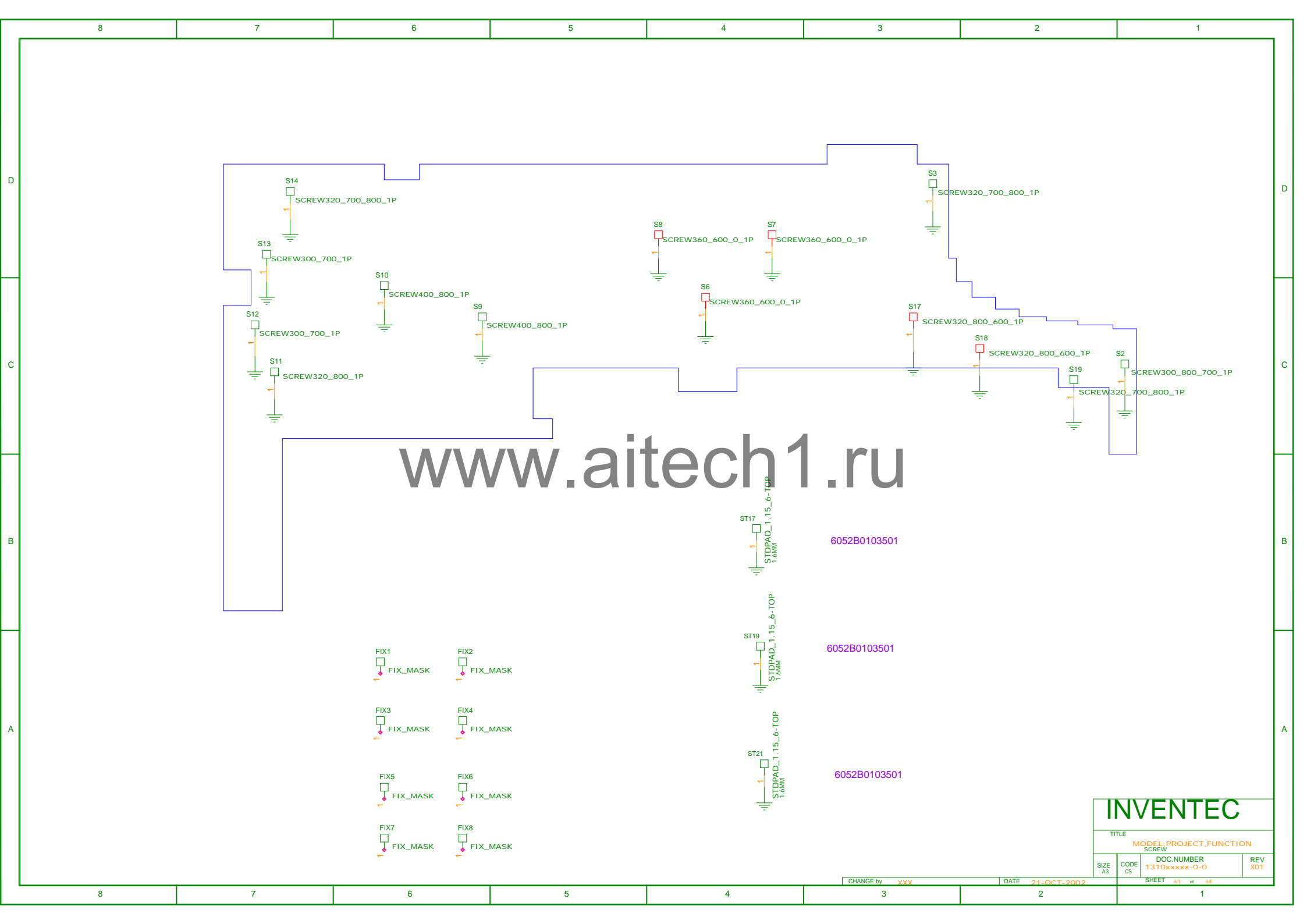
TITLE	MODEL.PROJECT.FUNCTION
Model Project Function	

SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-O-O	REV X01
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SHEET 60 of 64

REV
X01

SHEET 60 of 64



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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

- ST17
STDPAD_1.15_6-TOP
1.6MM
6052B0103501
- ST19
STDPAD_1.15_6-TOP
1.6MM
6052B0103501
- ST21
STDPAD_1.15_6-TOP
1.6MM
6052B0103501

INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
SCREW			
SIZE A3	CODE CS	DOC.NUMBER	REV
		1310xxxxx-0-0	X01
SHEET 61 of 64			

RESERVED

INVENTEC

TITLE
MODEL PROJECT FUNCTION
EMI & RF SOLUTION

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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RESERVED

INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
SYSTEM SEQUENCE			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
SHEET 63 of 64			

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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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SHEET 64 of 64

REV
X01

CHANGE by	XXX	DATE	21-OCT-2002
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