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HSF Property: ROHS or Halogen-Free

1310A2548301 (SAMSUNG) R5061 CHANGE TO 6013A0107901 (45.3K OHM)  
1310A2548302 (MICRON) R5061 CHANGE TO 6013A0017501 (30.1K OHM)

15CR-U-SI-1022  
www.aitech1.ru  
2012.10.22

Chief River						
UMA	DIS					
PGA 35W(dual)-HM77						
NA	N14P-GV2 23*23				N14P-GT 29*29	
NA	900MHz 256Mx16 DDR3 4pcs (2G)		900MHz 256Mx16 DDR3 8pcs (4G)		1GHz 128Mx16 GDDR5 8pcs (2G)	
	Samsung K4W4G1646B-HC11	Micron MT41K256M16HA-107G:E	Samsung K4W4G1646B-HC11	Micron MT41K256M16HA-107G:E	Hynix H5GQ2H24AFR-T2C	Samsung K4G20325FD-FC04
6050A2548201	6050A2548301				6050A2548401	
PCB-1(6L)	PCB-2 (8L)				PCB-3 (8L)	
1310A2548201	1310A2548301	1310A2548302	1310A2548303	1310A2548304	1310A2548401	1310A2548402

USB BOARD (6L) 1310A2548501 6050A2548501  
POWER BOARD (6L) 1310A2548701 6050A2548701  
POWER BOARD (8L) 1310A2548801 6050A2548801  
USB BOARD (8L) 1310A2548601 6050A2548601

Location	Part number	Factory	Manufacturer Part No	Marking
D300	1st : 6011A0026801	DIODES	D-BAT54-7	KL1
	2nd : 60110GA0367T	NXP	BAT54	L4
Q300	1st : 6015B0110701	TOSHIBA	SSM3K7002BFU	NM
	2nd : 6015B0142901	DIODES	DMN65D8LV-7	MM3
Q301	1st : 6019B0932401	MXIC	MX25L512EM-10G	
512KB	2nd : 6019B0816001	ATMEL	AT25FS128-SSH-T	
U301	1st : 6019B1016101	WINBOND	W25Q32FVSSIG	
4MB	2nd : 6019B0794701	MXIC	MX25L3206EM2I-12G	
U301	1st : 6019B095901	WINBOND	W25Q64FVSSIG	
8MB	2nd : 6019B0813101	MXIC	MX25L6406EM2I-12G	

2012/5/02	DB	X01
21-OCT-2002		
DATE	CHANGE NO.	REV

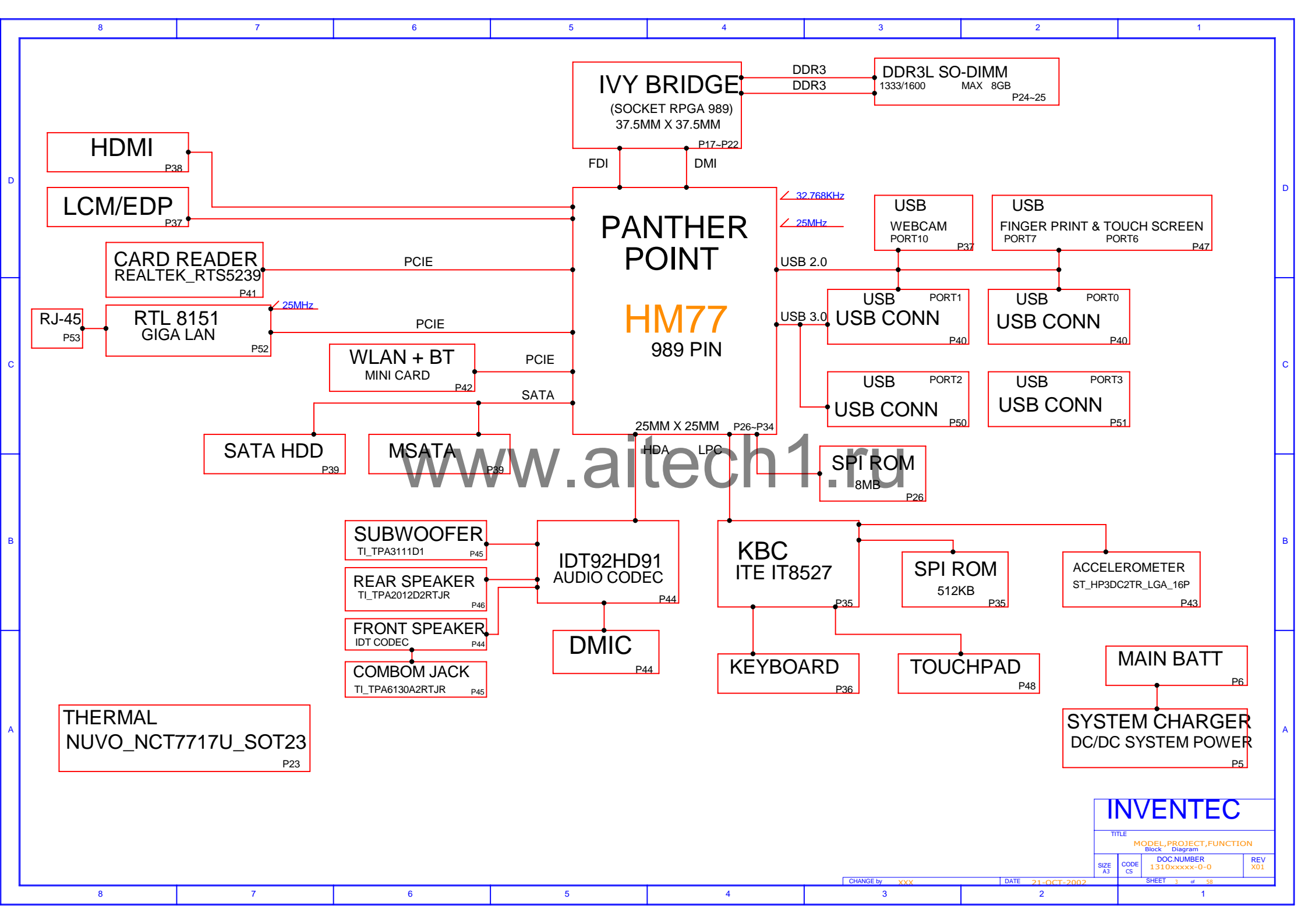
DRAWER	EE	DATE	POWER	DATE	INVENTEC			
DESIGN	Abel				MODEL, PROJECT, FUNCTION			
CHECK	Alan				Main Board			
RESPONSIBLE								
FILE NAME					SIZE	CODE	DOC NUMBER	REV
PN	XXXX				C	CS	1310XXXX-D-0	X01
					SHEET			

# Index

1 COVER	26 PCH1 RTC,HDA,SPI,LPC.SATA	51 AUB_USB30-2
2 INDEX	27 PCH2 CLK,SMBUS,PCI-E	52 LAN RLT8161GSH-CG
3 BLOCK DIAGRAM	28 PCH3 DMI,FDI,SPM	53 TRANSFORMER & RJ45
4 POWER PROCEDURE	29 PCH4 LVDS,CRT	54 JACK
5 SELECTOR	30 PCH5 PCI,USB	55 DAUGHTER BOARD
6 CHARGER	31 PCH6 GPIO,CPU/MISC	56 ESD BOARD
7 P3V3_P5V0	32 PCH7 POWER	57 POWER SEQUENCE
8 PVDDQ	33 PCH8 POWER	58 POWER SEQUENCE2
9 P1V0S_VCCP	34 PCH9 GND	
10 P1V8S	35 EC IT8527	
11 P1V5S	36 KB CONN & LED	
12 PVSA	37 40 PIN LCM	
13 PVCORE1	38 HDMI	
14 PVCORE2	39 SATA HDD & MSATA	
15 POWER TO EE PORT & EMI PART	40 USB3.0 CONN	
16 P5V0S & P3V3S	41 CARD READER	
17 CPU1	42 WLAN	
18 CPU2_EDP & FDI & DMI & PCIE_GPU	43 G-SENSOR	
19 CPU3	44 AUDIO-1	
20 CPU4	45 AUDIO-2	
21 CPU5	46 AUDIO-3	
22 CPU6	47 FINGER PRINT	
23 THERMAL & FAN	48 MB TO DB CONN & SCREW	
24 DDR3-1	49 AUB_BLANK	
25 DDR3-2	50 AUB_USB30-1	

INVENTEC

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



HDMI  
P38

LCM/EDP  
P37

CARD READER  
REALTEK\_RTS5239  
P41

RJ-45  
P53

RTL 8151  
GIGA LAN  
P52

WLAN + BT  
MINI CARD  
P42

SATA HDD  
P39

MSATA  
P39

THERMAL  
NUVO\_NCT7717U\_SOT23  
P23

SUBWOOFER  
TL\_TPA3111D1  
P45

REAR SPEAKER  
TL\_TPA2012D2RTJR  
P46

FRONT SPEAKER  
IDT CODEC  
P44

COMBOM JACK  
TL\_TPA6130A2RTJR  
P45

IDT92HD91  
AUDIO CODEC  
P44

DMIC  
P44

KBC  
ITE IT8527  
P35

KEYBOARD  
P36

SPI ROM  
512KB  
P35

TOUCHPAD  
P48

ACCELEROMETER  
ST\_HP3DC2TR\_LGA\_16P  
P43

MAIN BATT  
P6

SYSTEM CHARGER  
DC/DC SYSTEM POWER  
P5

IVY BRIDGE  
(SOCKET RPGA 989)  
37.5MM X 37.5MM  
P17~P22

DDR3L SO-DIMM  
1333/1600  
MAX 8GB  
P24~25

PANTHER  
POINT  
HM77  
989 PIN

USB  
WEBCAM  
PORT10  
P37

USB  
FINGER PRINT & TOUCH SCREEN  
PORT6  
P47

USB  
PORT1  
USB CONN  
P40

USB  
PORT0  
USB CONN  
P40

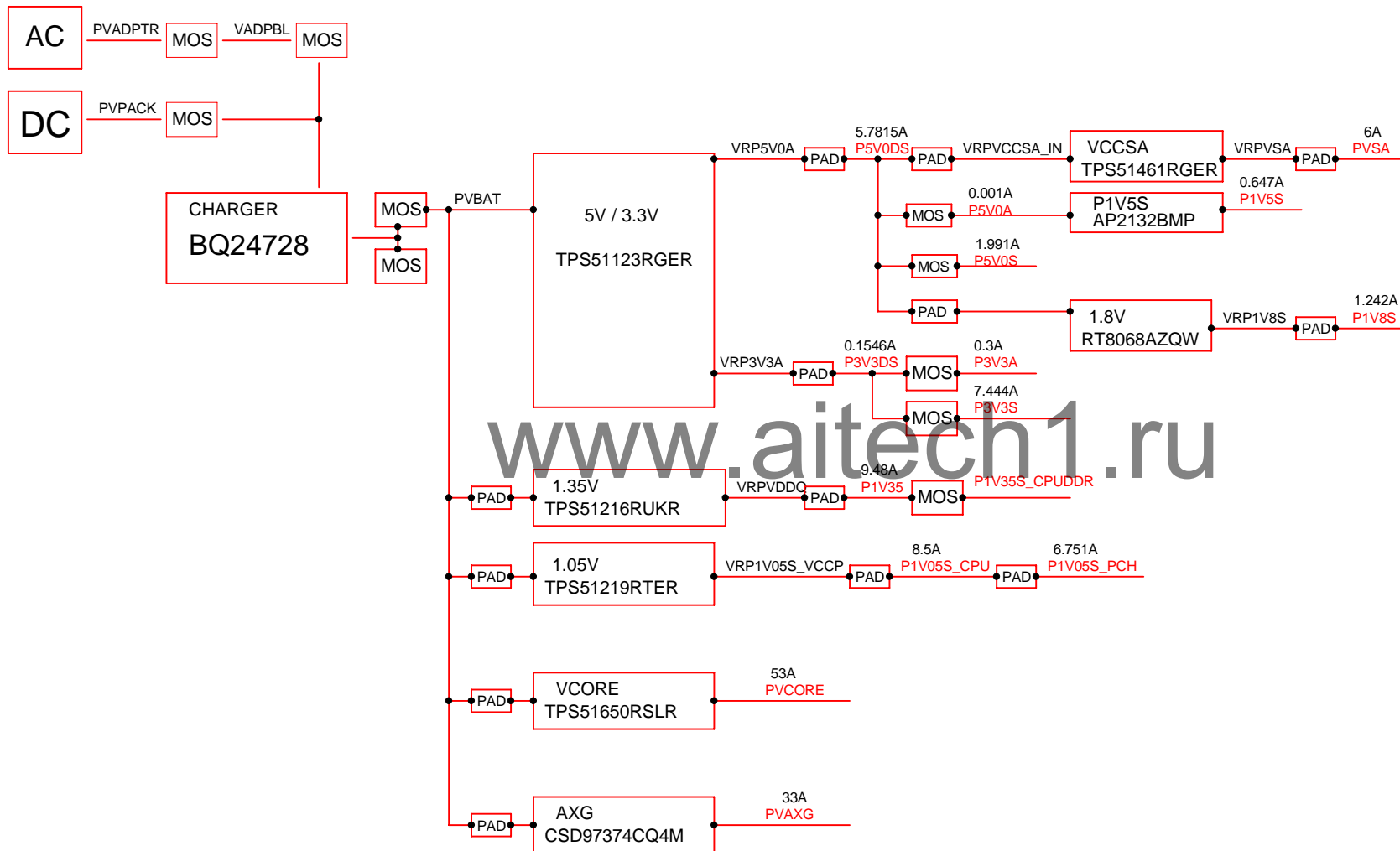
USB  
PORT2  
USB CONN  
P50

USB  
PORT3  
USB CONN  
P51

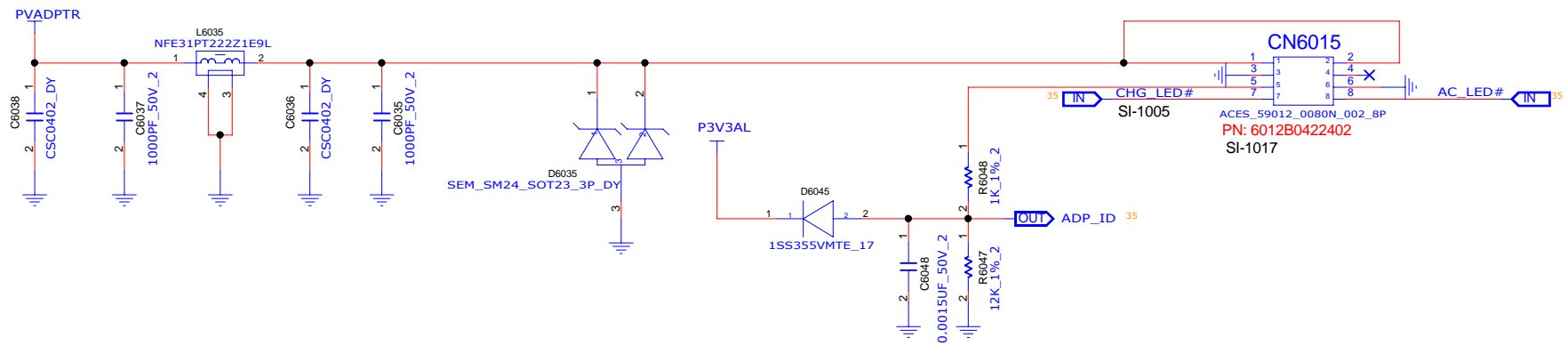
SPI ROM  
8MB  
P26

INVENTEC

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

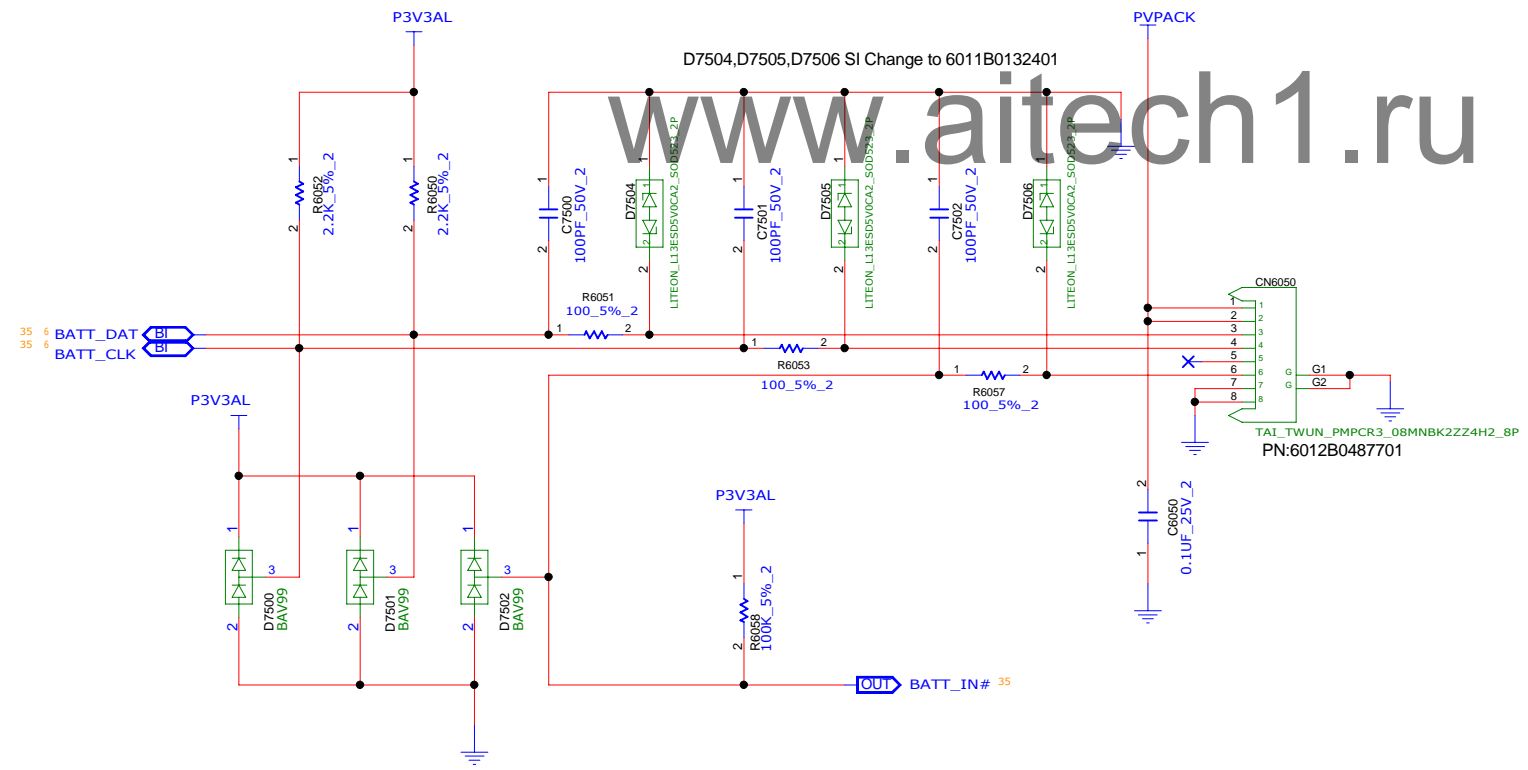


INVENTEC			
TITLE			
MODEL PROJECT FUNCTION POWER PROCEDURE			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
CHANGE by XXX DATE 21-OCT-2002 SHEET 4 of 58			



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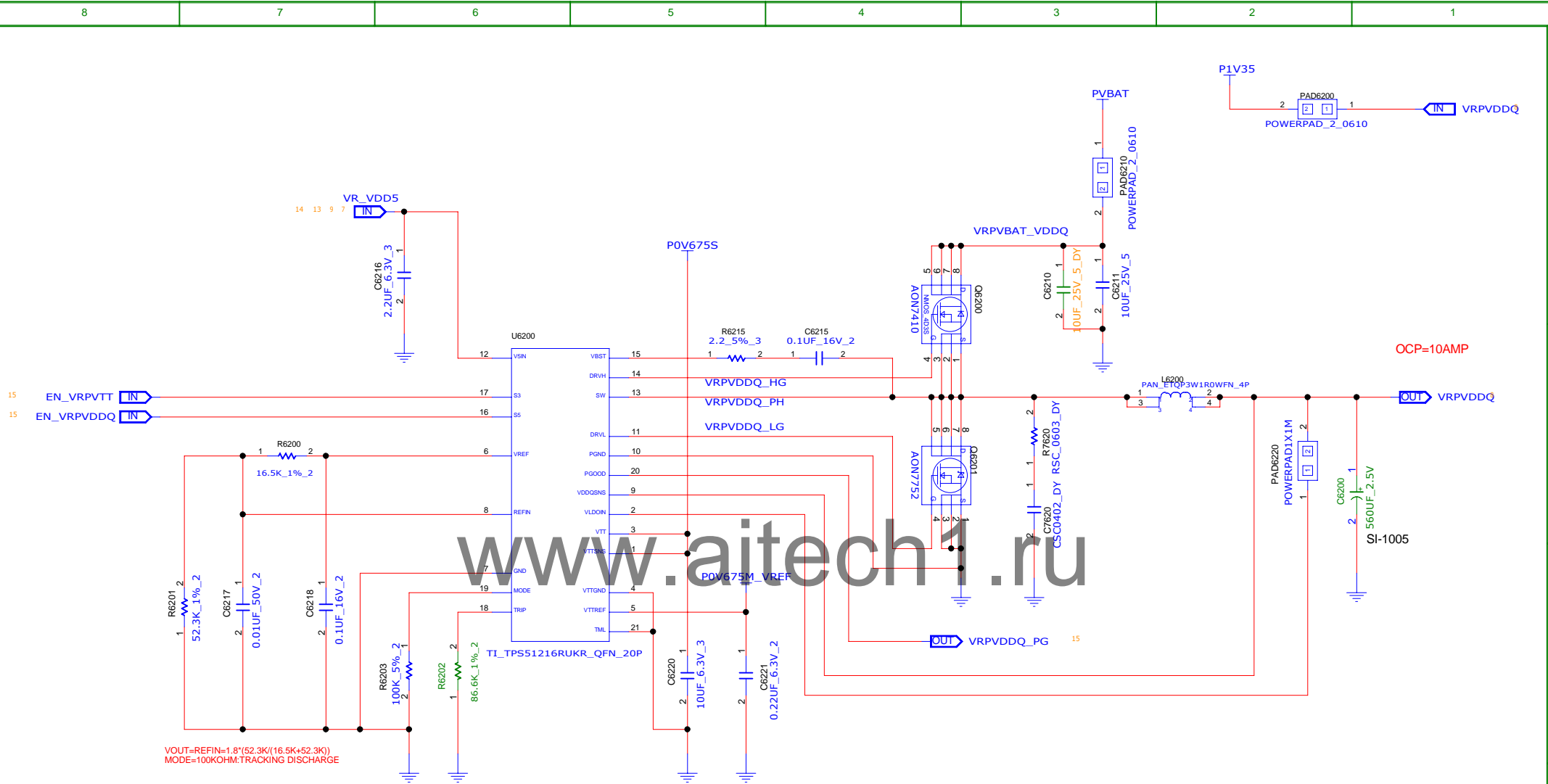
D7504,D7505,D7506 SI Change to 6011B0132401



INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
SHEET 5 of 58			







VOUT=REFIN-1.8\*(52.3K/(16.5K+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)

INVENTEC

TITLE

MODEL,PROJECT,FUNCTION

Block Diagram

DOC NUMBER

1310xxxxx-0-0

REV

X01

SIZE

A3

CODE

CS

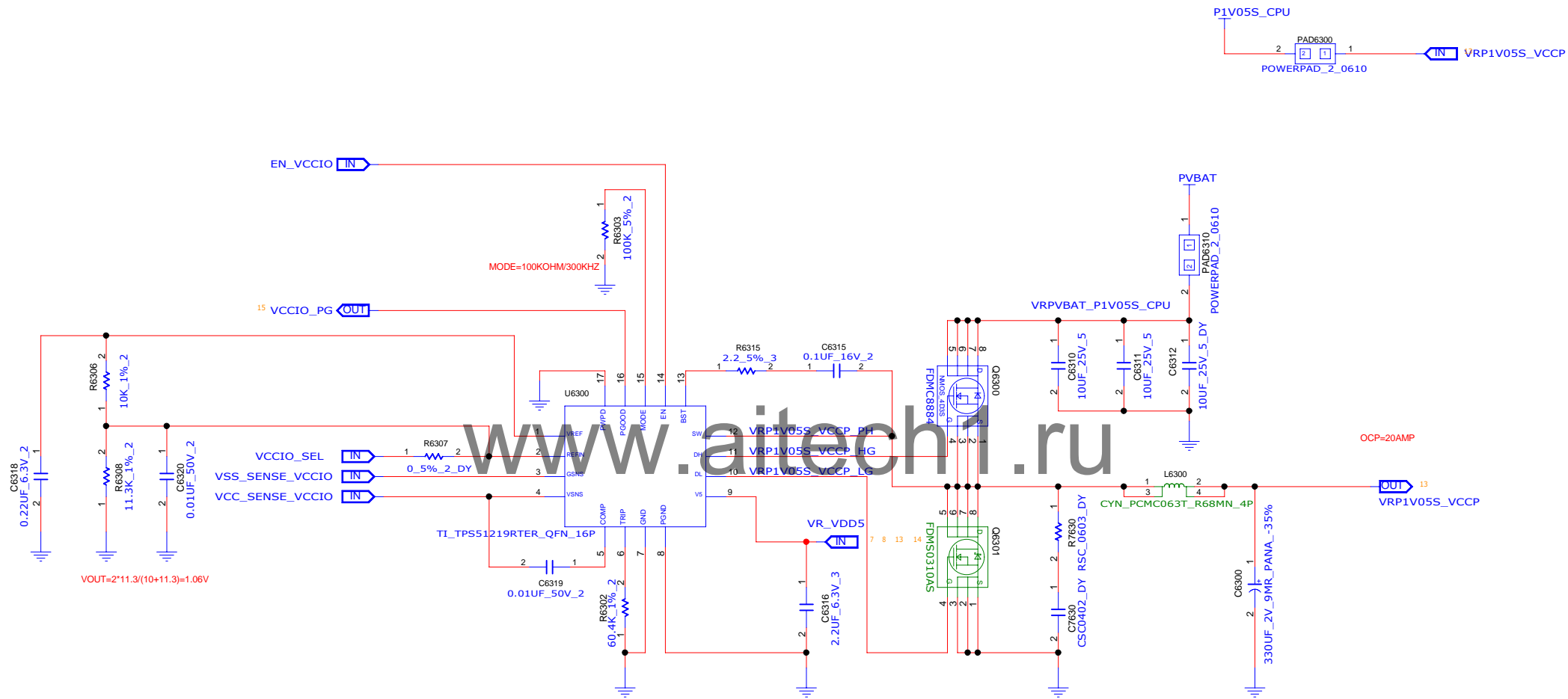
SHEET

8

of

58



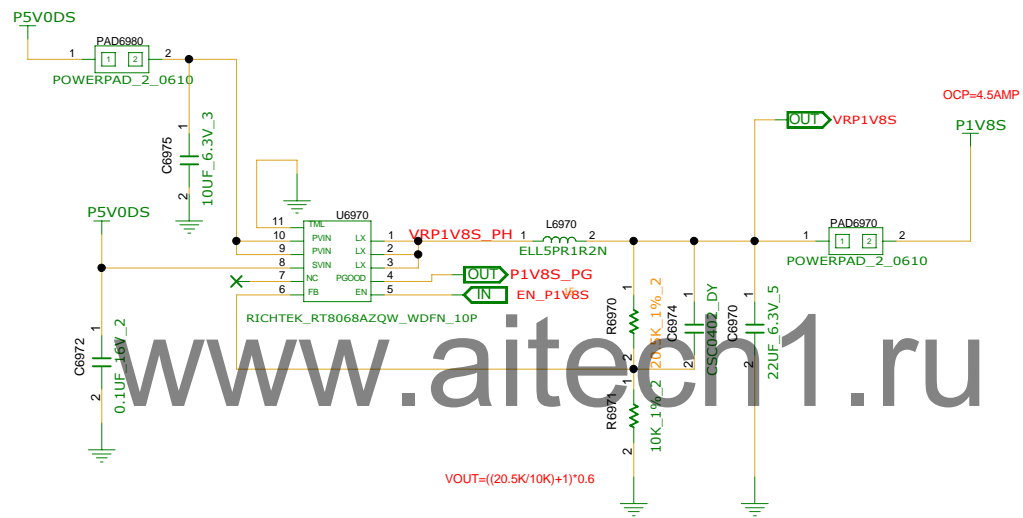


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TITLE  
MODEL, PROJECT, FUNCTION  
Block Diagram

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

CHANGE by XXX DATE 21-OCT-2002 SHEET 9 of 58



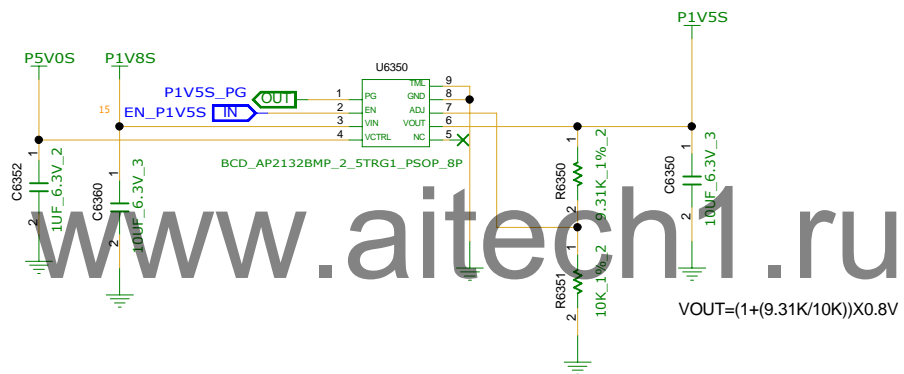
INVENTEC

TITLE  
MODEL, PROJECT, FUNCTION  
Block Diagram

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

CHANGE by XXX DATE 21-OCT-2002

SHEET 10 of 58



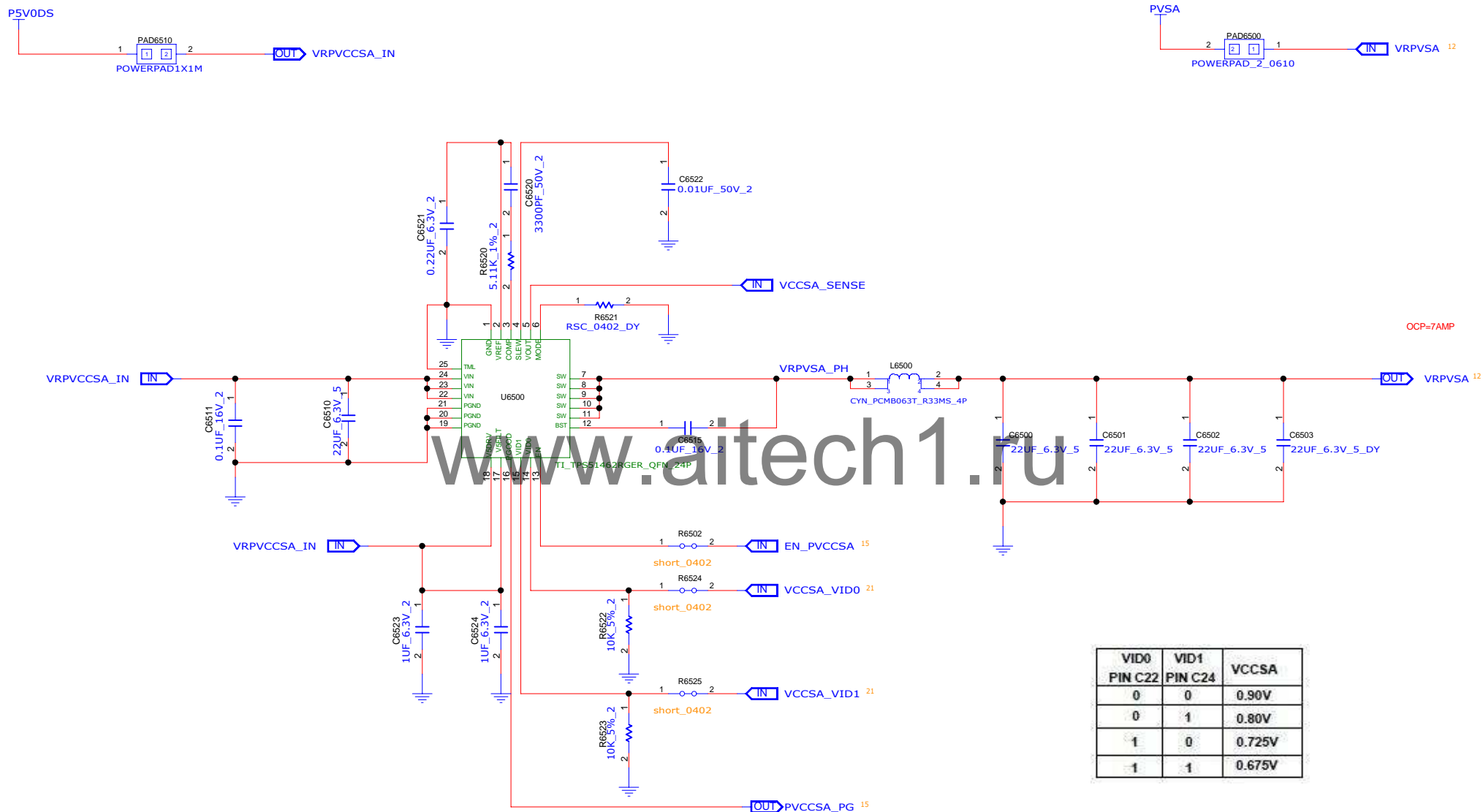
INVENTEC

TITLE  
MODEL,PROJECT,FUNCTION  
Block Diagram

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

SHEET 11 of 58



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

Block Diagram

SIZE A3

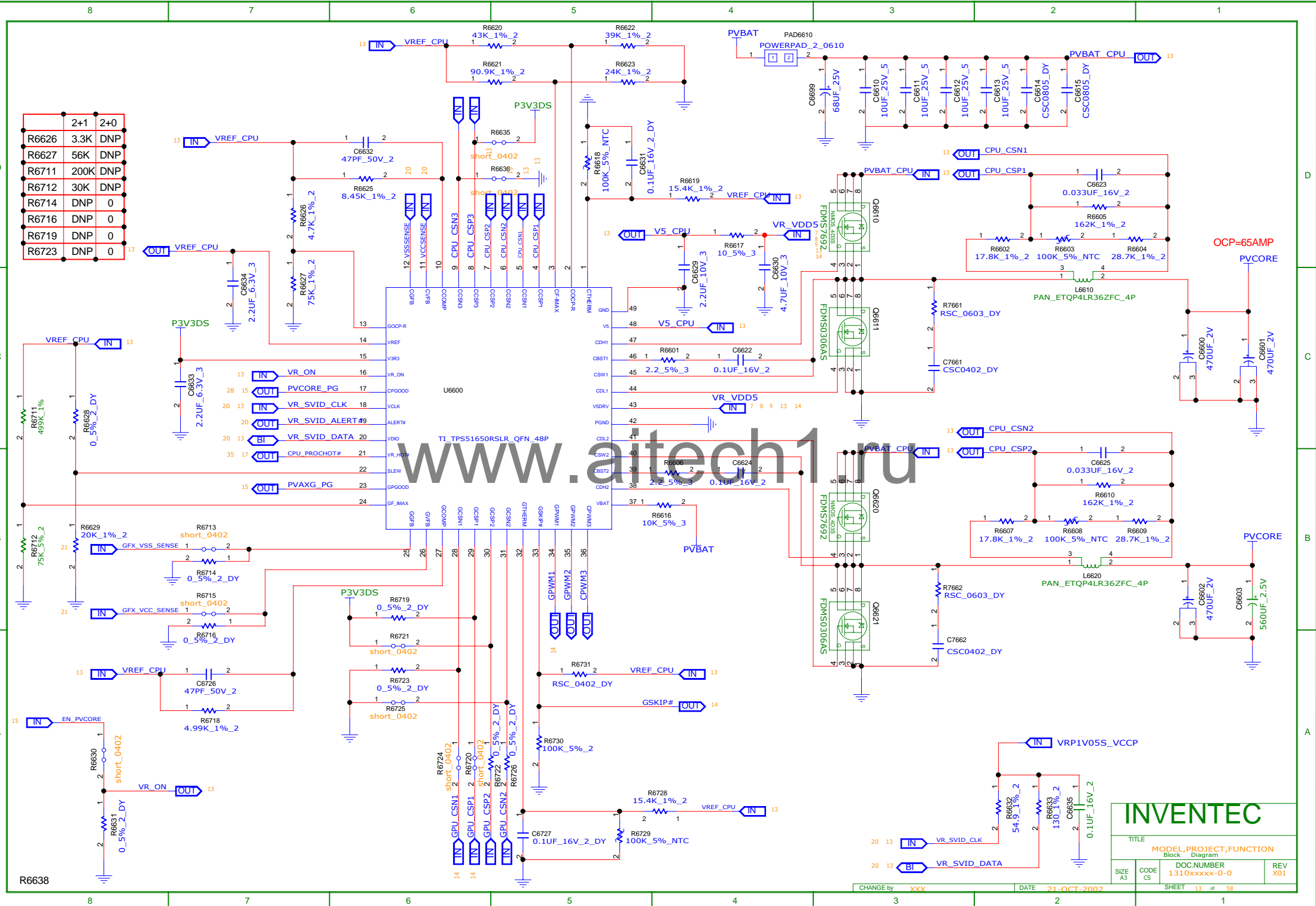
CODE CS

DOC NUMBER 1310xxxxx-0-0

REV X01

SHEET 12 of 58

	2+1	2+0
R6626	3.3K	DNP
R6627	56K	DNP
R6711	200K	DNP
R6712	30K	DNP
R6714	DNP	0
R6716	DNP	0
R6719	DNP	0
R6723	DNP	0



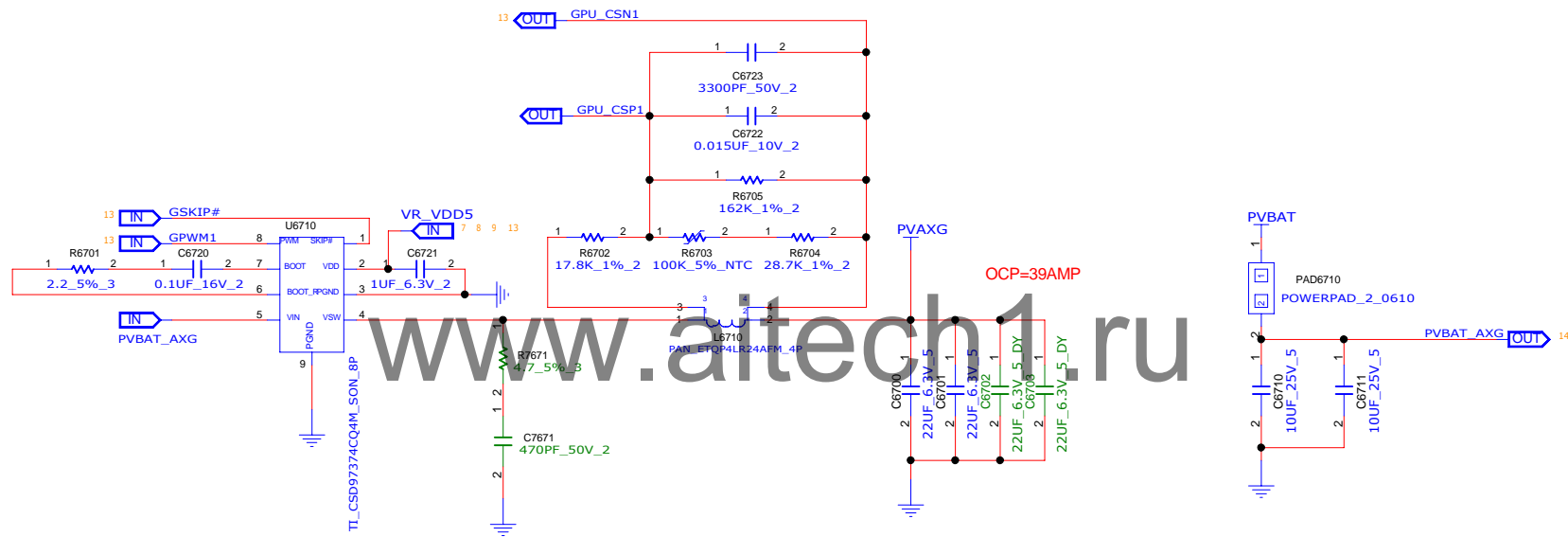
# INVENTEC

TITLE	MODEL PROJECT FUNCTION
1. <b>Project Overview</b>	1. <b>Project Overview</b>
2. <b>Project Objectives</b>	2. <b>Project Objectives</b>
3. <b>Project Scope</b>	3. <b>Project Scope</b>
4. <b>Project Organization</b>	4. <b>Project Organization</b>
5. <b>Project Schedule</b>	5. <b>Project Schedule</b>
6. <b>Project Budget</b>	6. <b>Project Budget</b>
7. <b>Project Risk Management</b>	7. <b>Project Risk Management</b>
8. <b>Project Communication</b>	8. <b>Project Communication</b>
9. <b>Project Monitoring and Control</b>	9. <b>Project Monitoring and Control</b>
10. <b>Project Closure</b>	10. <b>Project Closure</b>

SIZE	CODE	DOC.NUMBER	
		1310xxxx 0.0	

SHEET 13 of 58

CHANGE by	XXX	DATE	21-OCT-2002
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INVENTEC

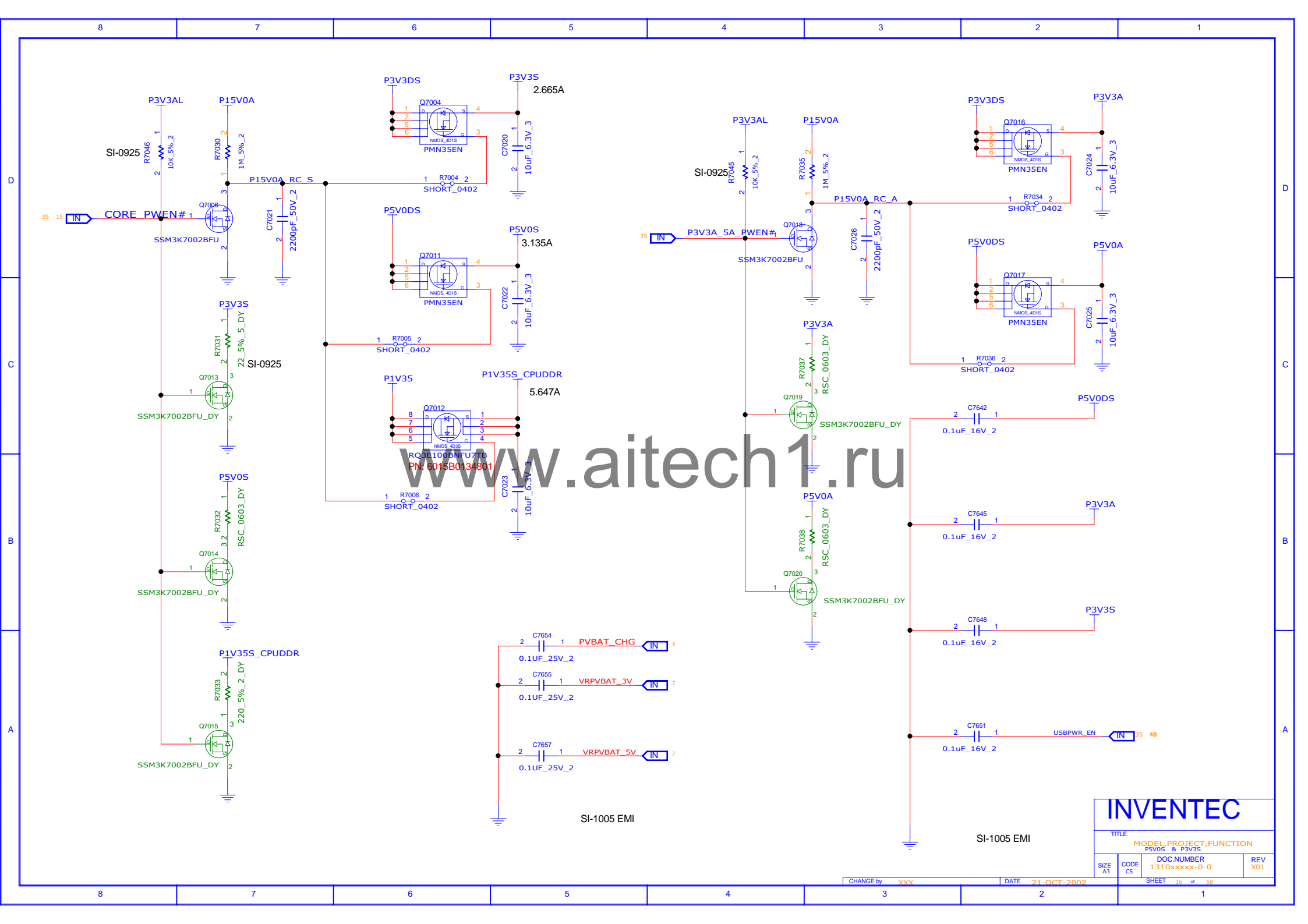
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MODEL, PROJECT, FUNCTION

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

CHANGE by XXX DATE 21-OCT-2002

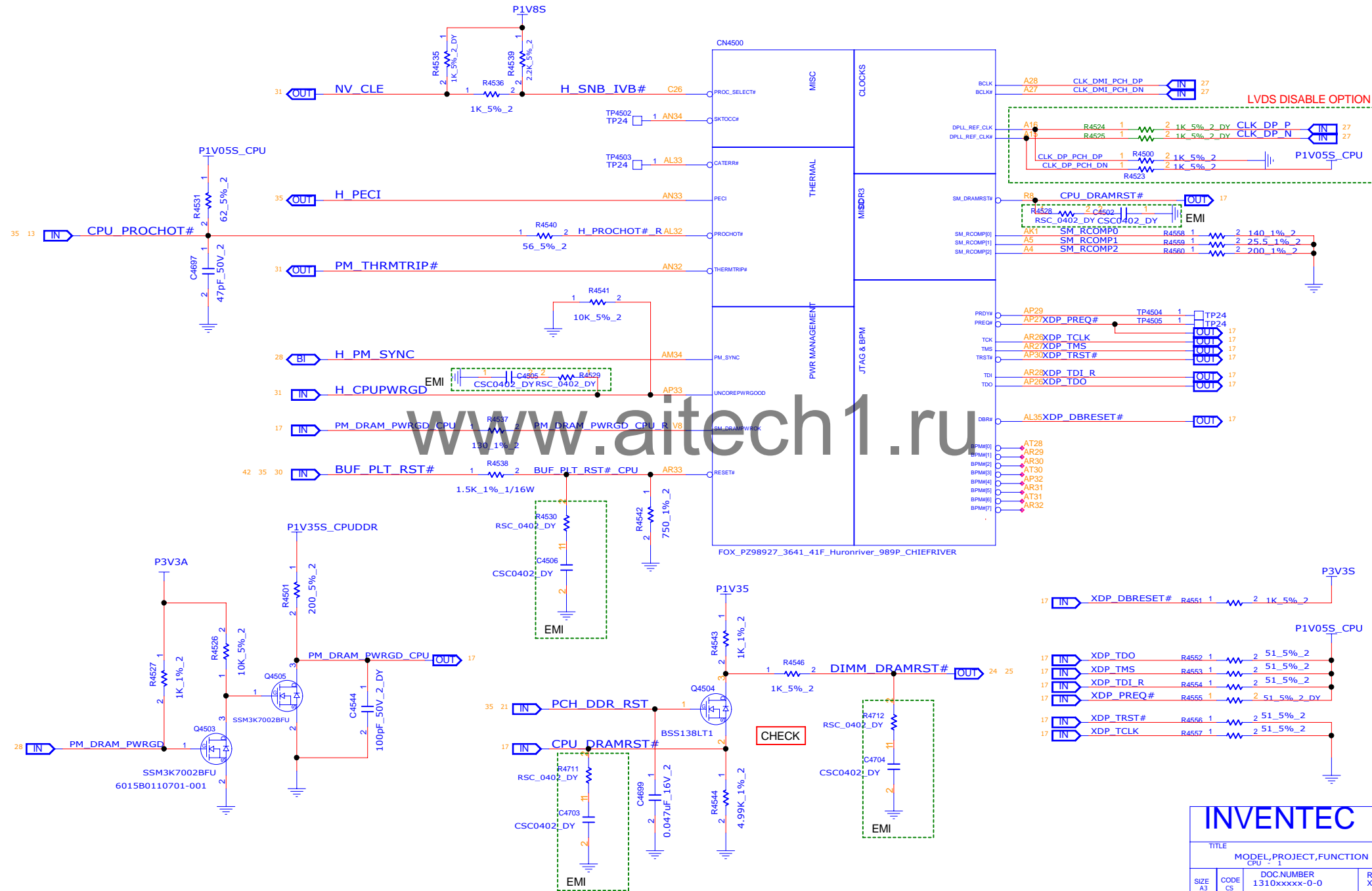
SHEET 14 of 58







CHIEF RIVER CPU  
LOCATION 4500-4699  
VER.001\_20120807

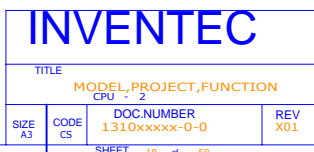


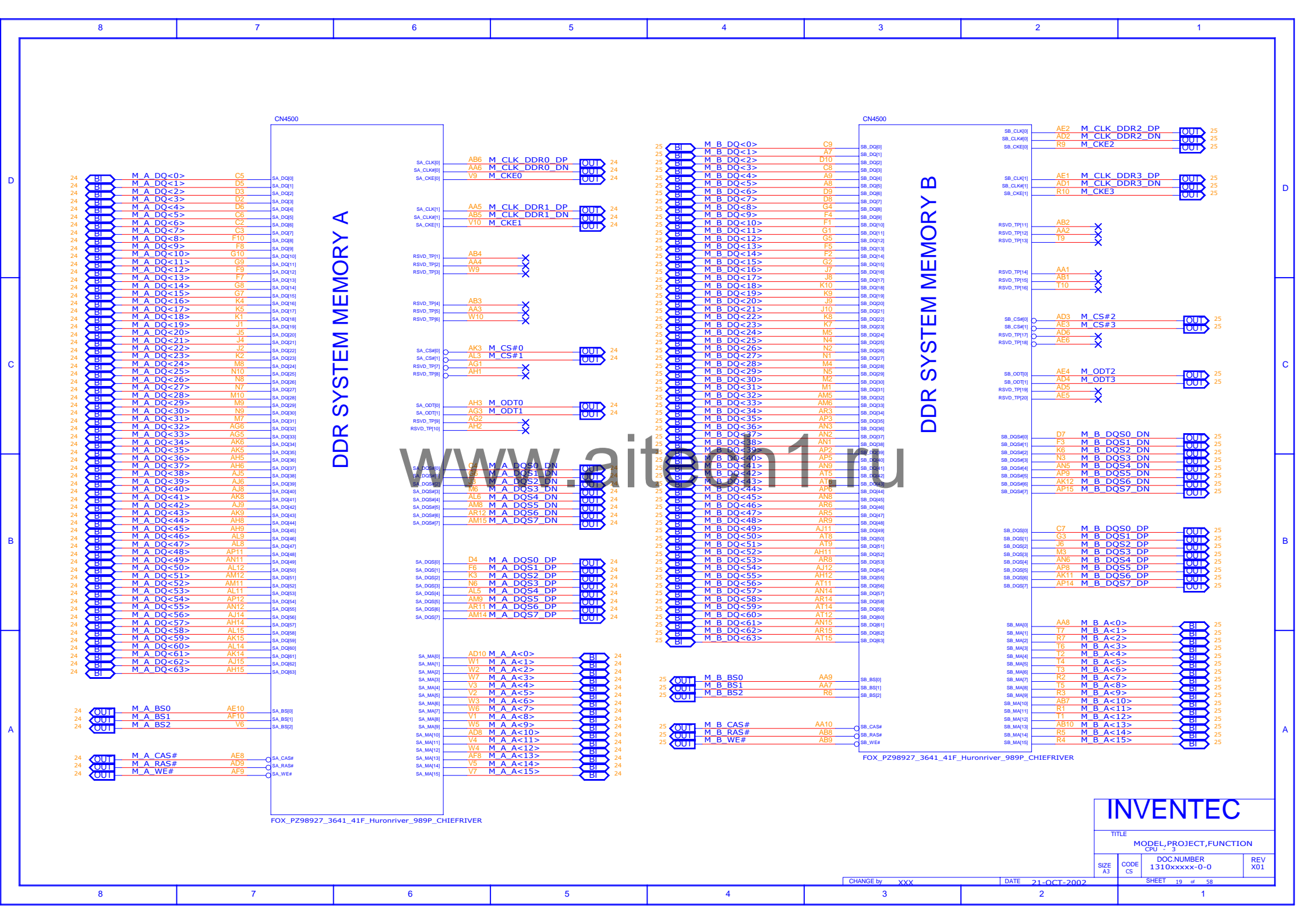
INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
CPU			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	X01
SHEET 17 of 58			

FOX\_PZ98927\_3641\_41F\_Huronriver\_989P\_CHIEFRIVER  
CPU SOCKET, PN: 6026B0154901



The diagram shows three parallel electrolytic capacitors, labeled C7639, C7640, and C7641, connected between the SI-1005 EM input and the AGND\_AUDIO ground. Each capacitor has a value of 0.1uF, 16V, 2. The capacitors are connected in parallel to filter the input signal.





DDR SYSTEM MEMORY A

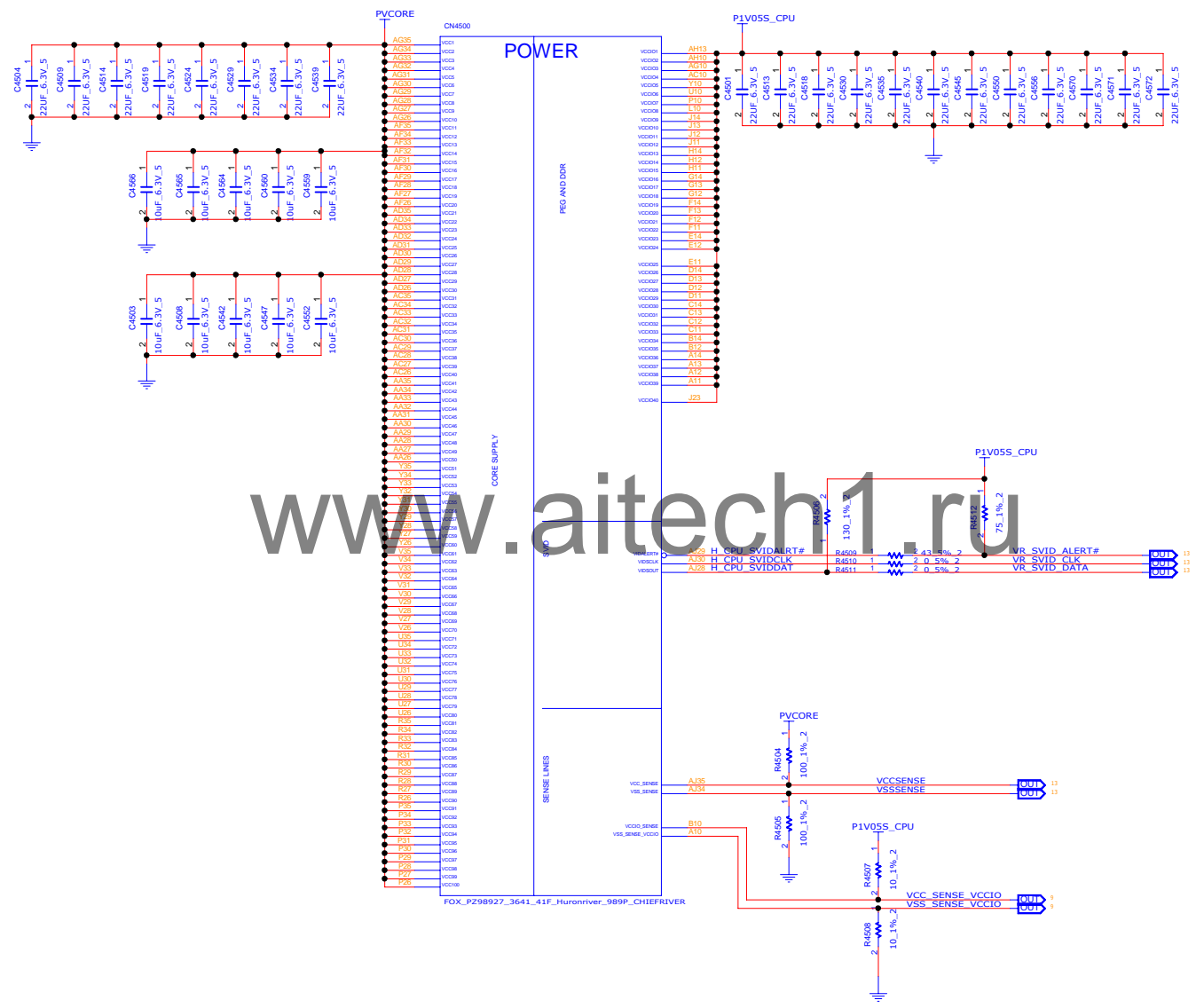
DDR SYSTEM MEMORY B

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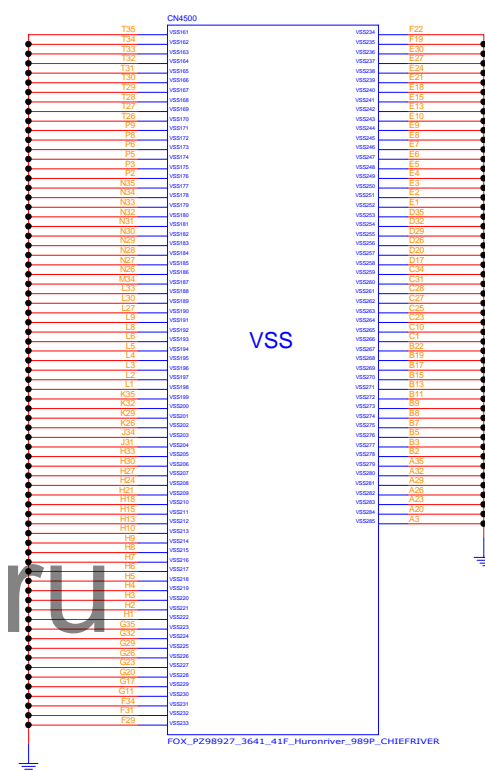
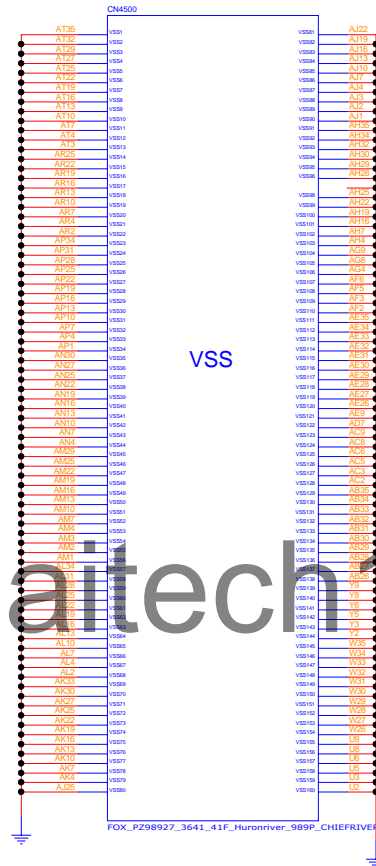
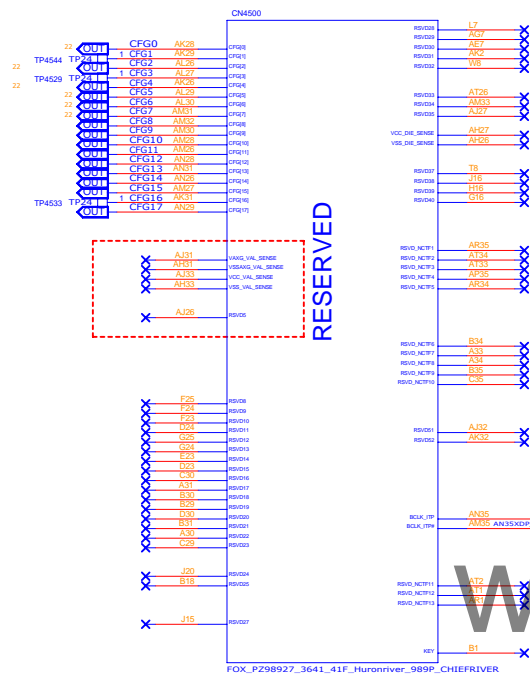
INVENTEC

TITLE			
MODEL, PROJECT, FUNCTION			
CPU - 3			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01

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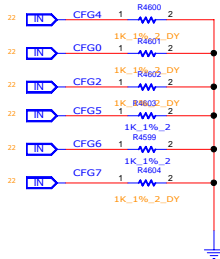


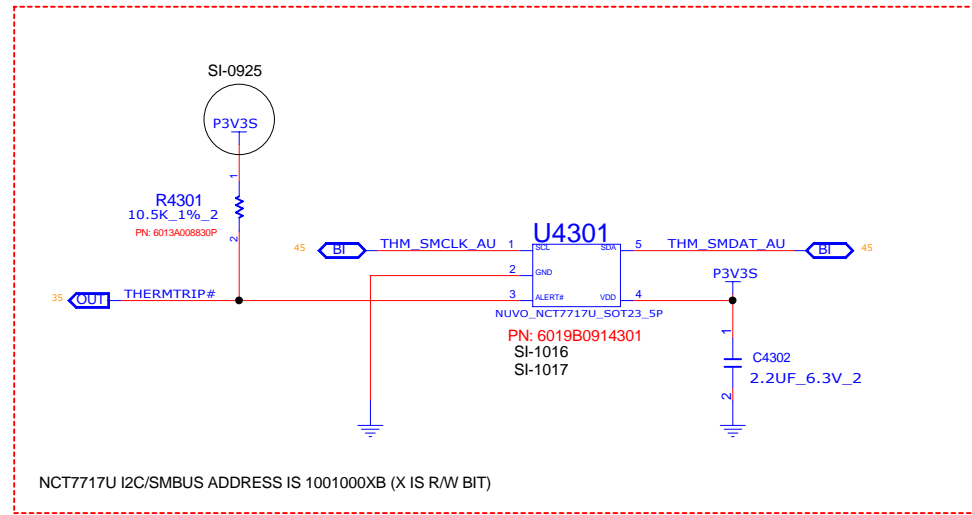
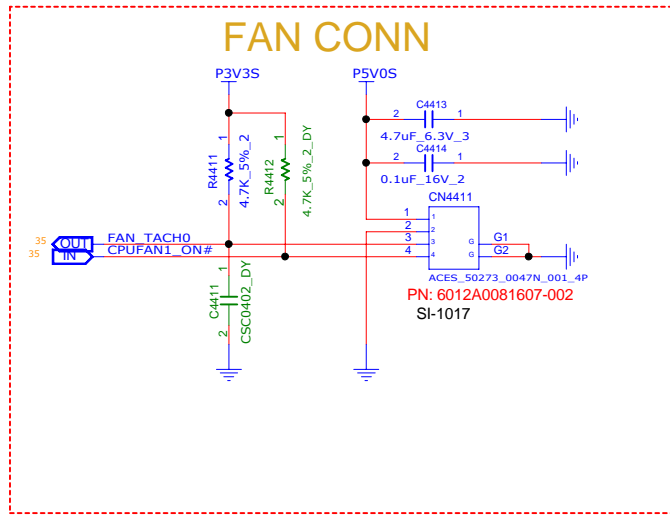




CFG[2] : PCI Express\* Static x16 Lane Numbering Reversal.  
1 = NORMAL MODE  
0 = LANE REVERSED

CFG[4] : eDP enable  
1 = Disabled  
0 = Enabled  
CFG[6:5] : PCI Express Bifurcation:  
00 = 1 x8, 2 x4 PCI Express  
01 = reserved  
10 = 2 x8 PCI Express  
11 = 1 x16 PCI Express  
CFG[7] : PEG DEFER TRAINING  
1: (Default) PEG Train immediately following RESETB deassertion  
0: PEG Wait for BIOS for training





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## 6.6 ALERT# point hardware power-on setting

The default value could be set after power up 100ms by different pull-up resistor of ALERT# pin:

PULL-UP RESISTOR		TEMPERATURE (°C)
ALERT	2KΩ	75
	7.5KΩ	90
	10.5KΩ	100
	14KΩ	105
	18.7KΩ	110

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1. THERMAL SENSOR ON PCB TO PROTECT AGAINST POSSIBLE SYSTEM CASE DEFORMATION. SENSOR SHOULD BE ABLE TO THROTTLE SYSTEM AND ALSO CAUSE SYSTEM SHUT DOWN IF NEEDED.( FOR ALL PLATFORM)
2. SUPPORT DPTF FUNCTION. (FOR INTEL SBY)

CHANGE by: xxx DATE: 21-OCT-2002

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

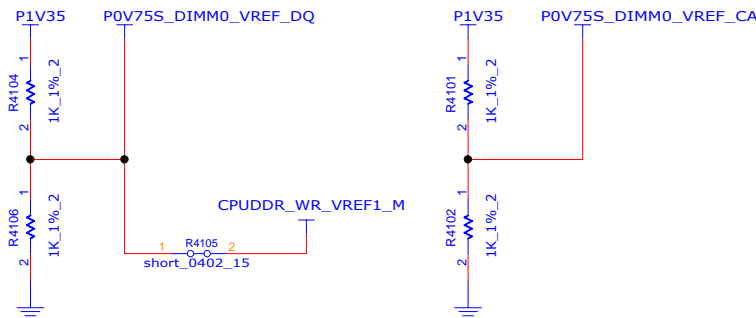
SHEET: 23 of 58

D

C

B

A



SANDY BRIDGE + IVY BRIDGE DG4.14

INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION			
DDR3 - 1			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	R X



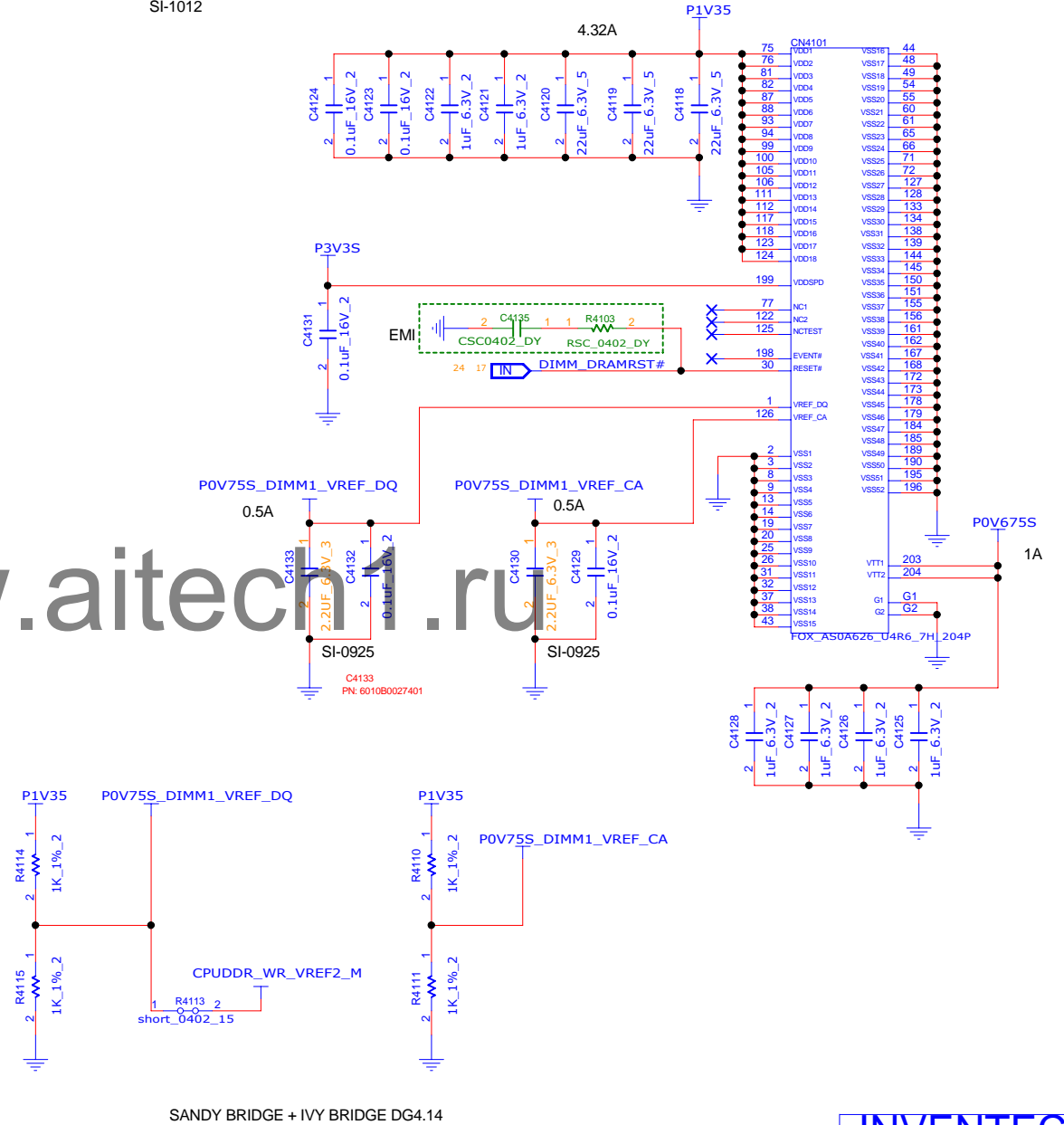
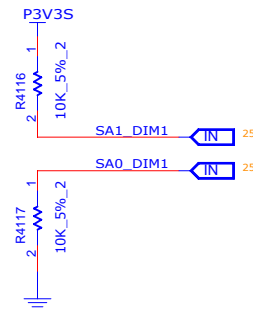
# DDR3 (4MM) P/N : 6026B0216701 BOM CHANGE TO 6026B0221601

SI-1012

19	BI	M B A<0>	98	CN4101	DQ0	5	M B DQ<0>	19
19	BI	M B A<1>	97	A0	DQ1	7	M B DQ<1>	19
19	BI	M B A<2>	96	A2	DQ2	15	M B DQ<2>	19
19	BI	M B A<3>	95	A3	DQ3	17	M B DQ<3>	19
19	BI	M B A<4>	92	A4	DQ4	4	M B DQ<4>	19
19	BI	M B A<5>	91	A5	DQ5	16	M B DQ<5>	19
19	BI	M B A<6>	90	A6	DQ6	18	M B DQ<6>	19
19	BI	M B A<7>	86	A7	DQ7	21	M B DQ<7>	19
19	BI	M B A<8>	89	A8	DQ8	23	M B DQ<8>	19
19	BI	M B A<9>	85	A9	DQ9	33	M B DQ<9>	19
19	BI	M B A<10>	107	A10_AP	DQ10	35	M B DQ<10>	19
19	BI	M B A<11>	84	A11	DQ11	22	M B DQ<11>	19
19	BI	M B A<12>	83	A12	DQ12	24	M B DQ<12>	19
19	BI	M B A<13>	119	A13	DQ13	34	M B DQ<13>	19
19	BI	M B A<14>	80	A14	DQ14	36	M B DQ<14>	19
19	BI	M B A<15>	78	A15	DQ15	39	M B DQ<15>	19
19	IN	M B BS0	109	BA0	DQ16	41	M B DQ<16>	19
19	IN	M B BS1	108	BA1	DQ17	51	M B DQ<17>	19
19	IN	M B BS2	79	BA2	DQ18	53	M B DQ<18>	19
19	IN	M CS#2	114	CS#	DQ19	40	M B DQ<19>	19
19	IN	M CS#3	121	CS#	DQ20	42	M B DQ<20>	19
19	IN	M CLK DDR2 DP	101	CK0	DQ21	50	M B DQ<21>	19
19	IN	M CLK DDR2 DN	103	CK0#	DQ22	52	M B DQ<22>	19
19	IN	M CLK DDR3 DP	102	CK1	DQ23	57	M B DQ<23>	19
19	IN	M CLK DDR3 DN	104	CK1#	DQ24	59	M B DQ<24>	19
19	IN	M CKE2	73	CKE2	DQ25	67	M B DQ<25>	19
19	IN	M CKE3	74	CKE3	DQ26	69	M B DQ<26>	19
19	IN	M B CAS#	115	CAS#	DQ27	56	M B DQ<27>	19
19	IN	M B RAS#	110	RAS#	DQ28	58	M B DQ<28>	19
19	IN	M B WE#	113	WE#	DQ29	68	M B DQ<29>	19
25	IN	SA0_DIM1	197	SA0	DQ30	70	M B DQ<30>	19
25	IN	PCH_3S_SMCLK	201	SA1	DQ31	129	M B DQ<31>	19
27	IN	PCH_3S_SMDAT	202	SCL	DQ32	131	M B DQ<32>	19
27	IN		200	SDA	DQ33	141	M B DQ<33>	19
19	IN	M ODT2	116	ODT0	DQ34	143	M B DQ<34>	19
19	IN	M ODT3	120	ODT1	DQ35	130	M B DQ<35>	19
19					DQ36	132	M B DQ<36>	19
19					DQ37	140	M B DQ<37>	19
19					DQ38	142	M B DQ<38>	19
19					DQ39	147	M B DQ<39>	19
19					DQ40	149	M B DQ<40>	19
19					DQ41	157	M B DQ<41>	19
19					DQ42	159	M B DQ<42>	19
19					DQ43	146	M B DQ<43>	19
19					DQ44	148	M B DQ<44>	19
19					DQ45	158	M B DQ<45>	19
19					DQ46	160	M B DQ<46>	19
19					DQ47	163	M B DQ<47>	19
19					DQ48	165	M B DQ<48>	19
19					DQ49	175	M B DQ<49>	19
19					DQ50	177	M B DQ<50>	19
19					DQ51	164	M B DQ<51>	19
19					DQ52	166	M B DQ<52>	19
19					DQ53	174	M B DQ<53>	19
19					DQ54	176	M B DQ<54>	19
19					DQ55	181	M B DQ<55>	19
19					DQ56	183	M B DQ<56>	19
19					DQ57	191	M B DQ<57>	19
19					DQ58	193	M B DQ<58>	19
19					DQ59	180	M B DQ<59>	19
19					DQ60	182	M B DQ<60>	19
19					DQ61	192	M B DQ<61>	19
19					DQ62	194	M B DQ<62>	19
19					DQ63			19

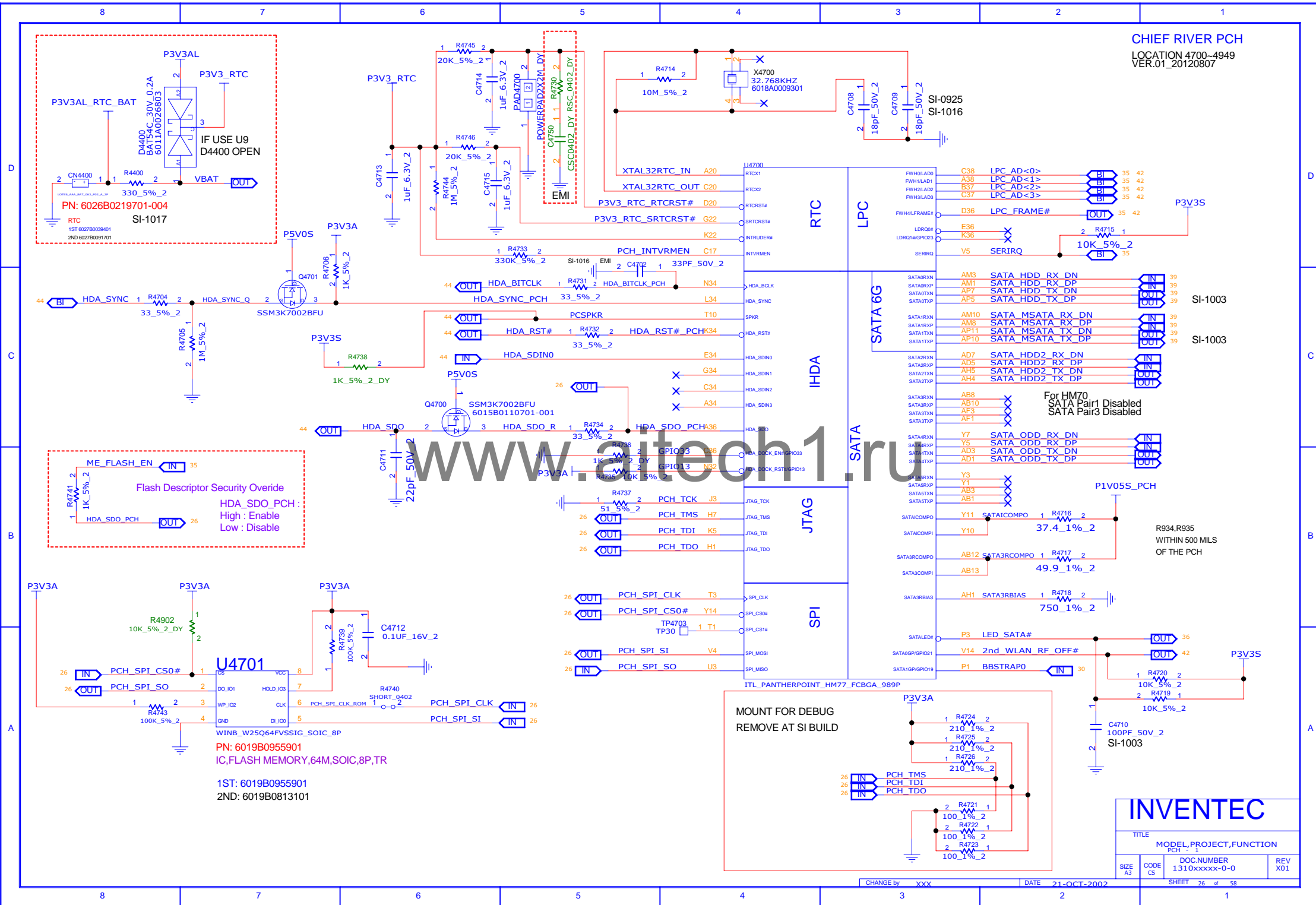
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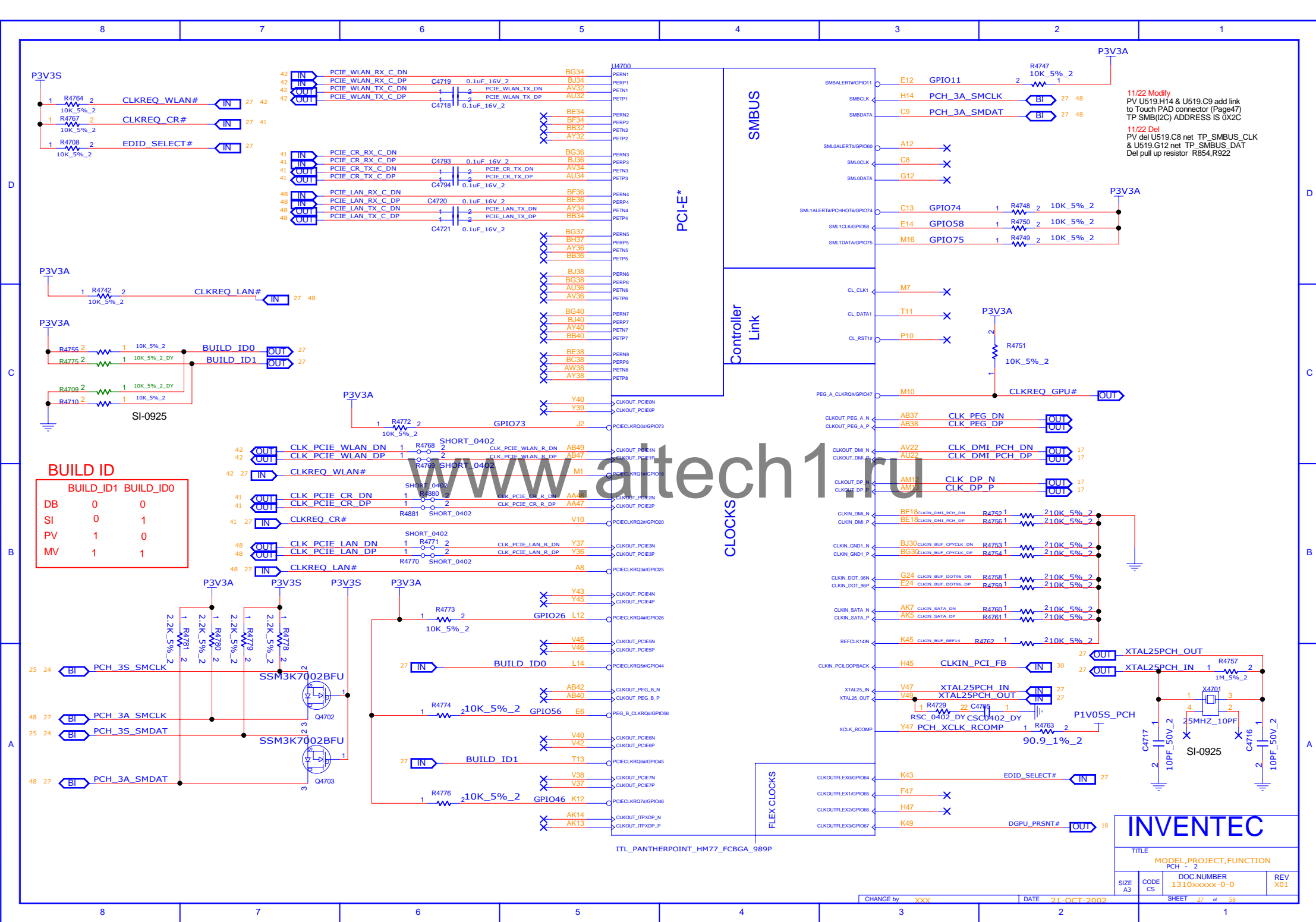
Note :  
SO-DIMMA SPD Address is 0xA4  
SO-DIMMA TS Address is 0x34

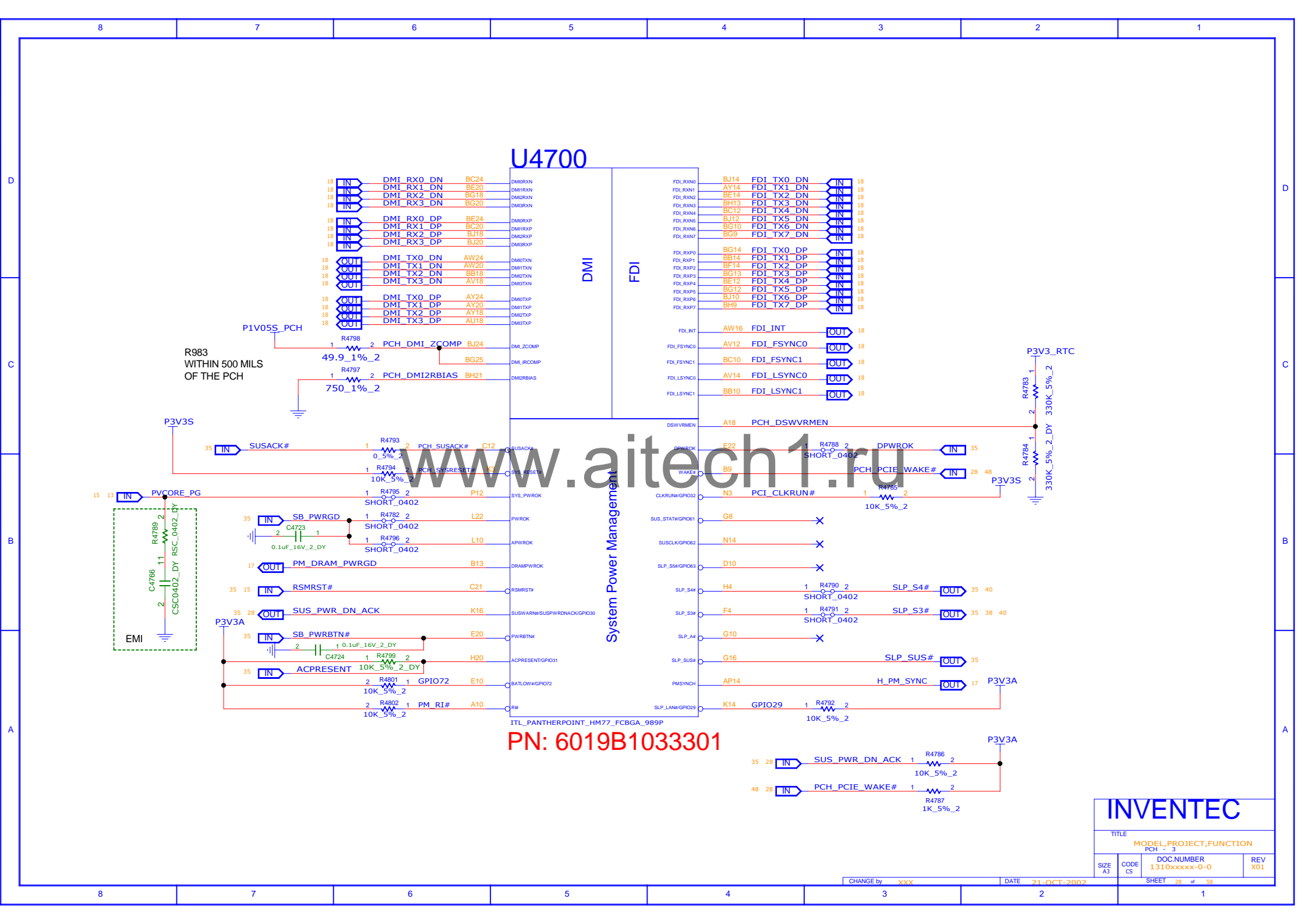


INVENTEC

TITLE			
MODEL, PROJECT, FUNCTION			
DDR3			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	X01
SHEET 25 of 58			







U4700

DMI

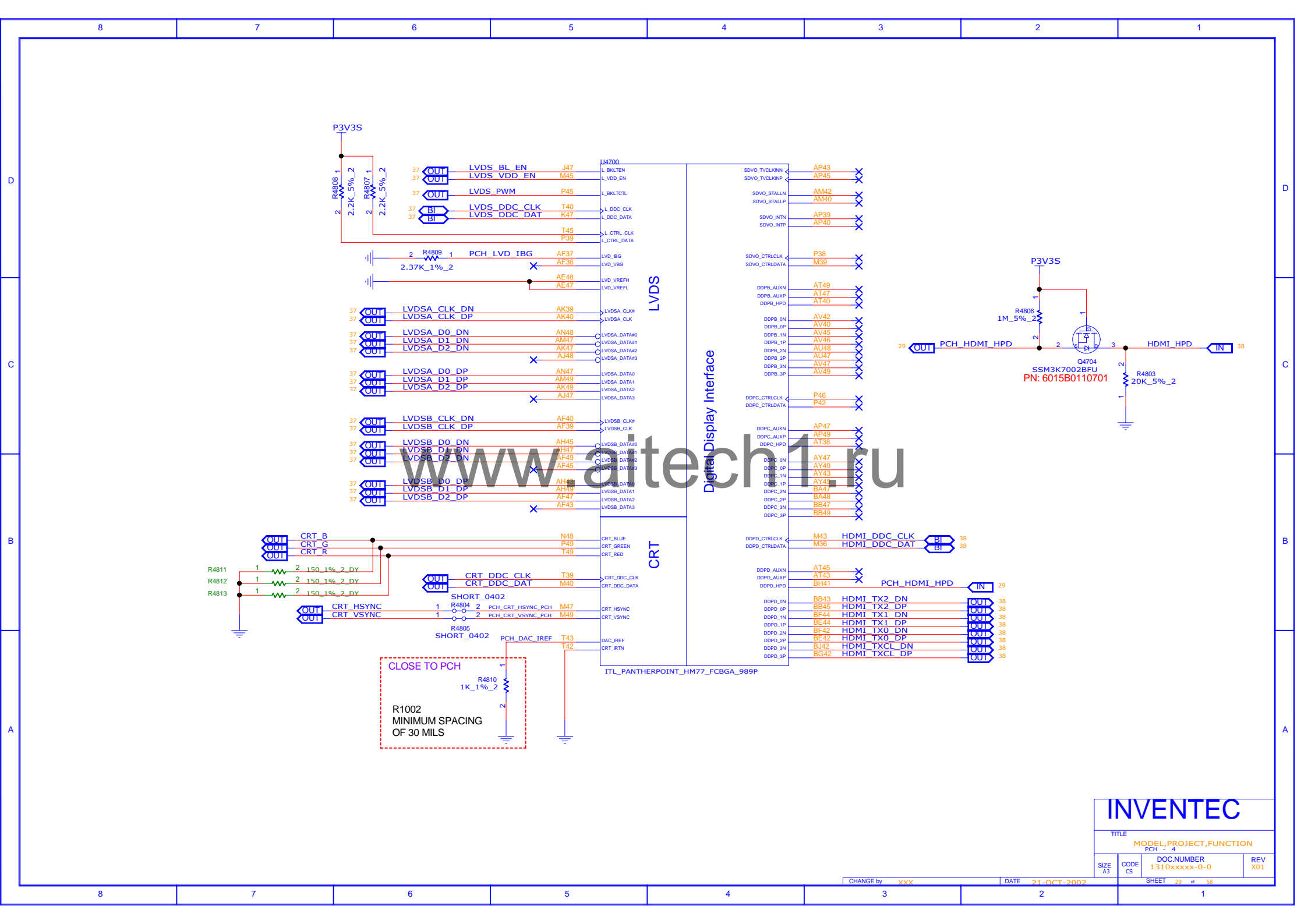
FDI

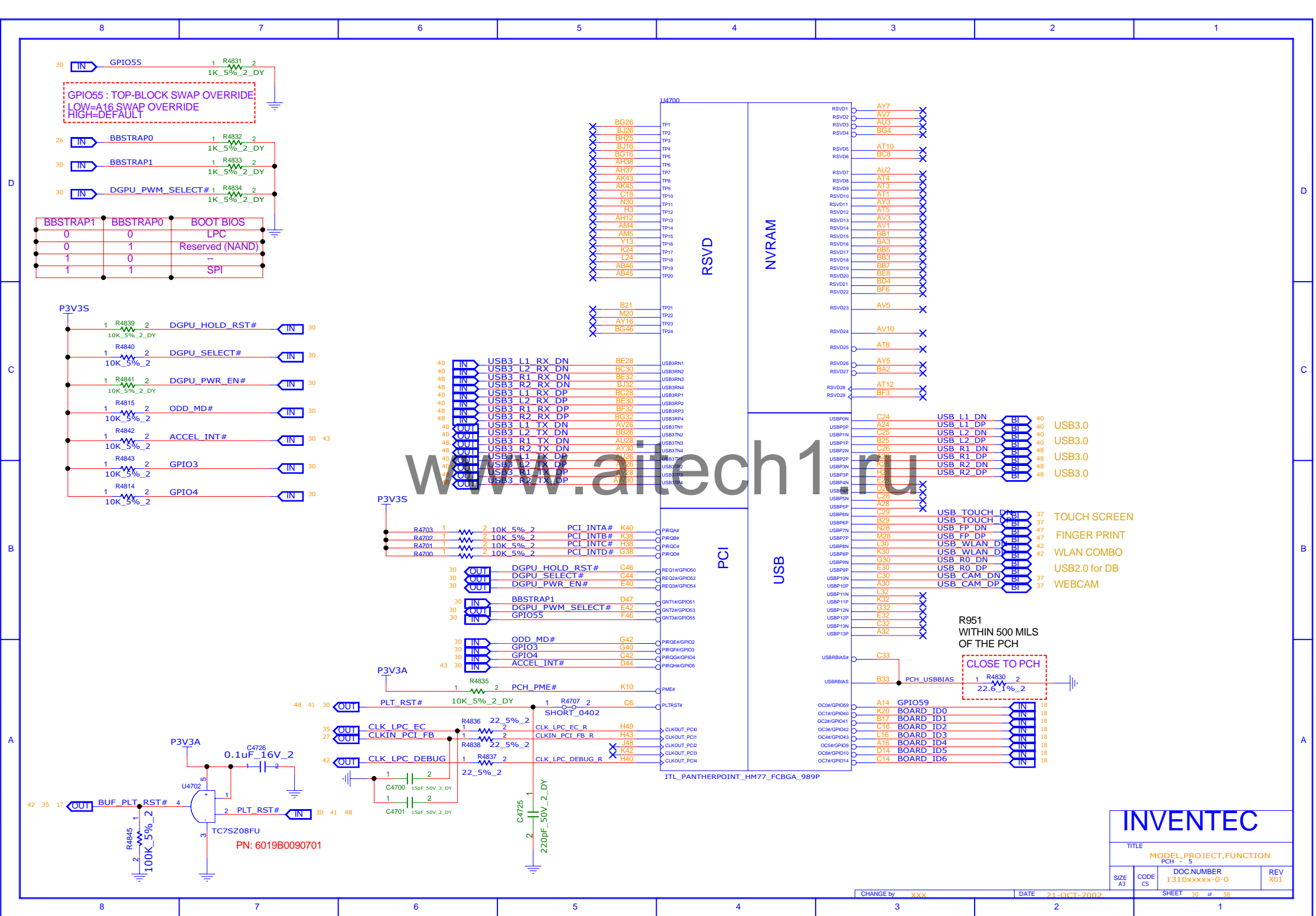
System Power Management

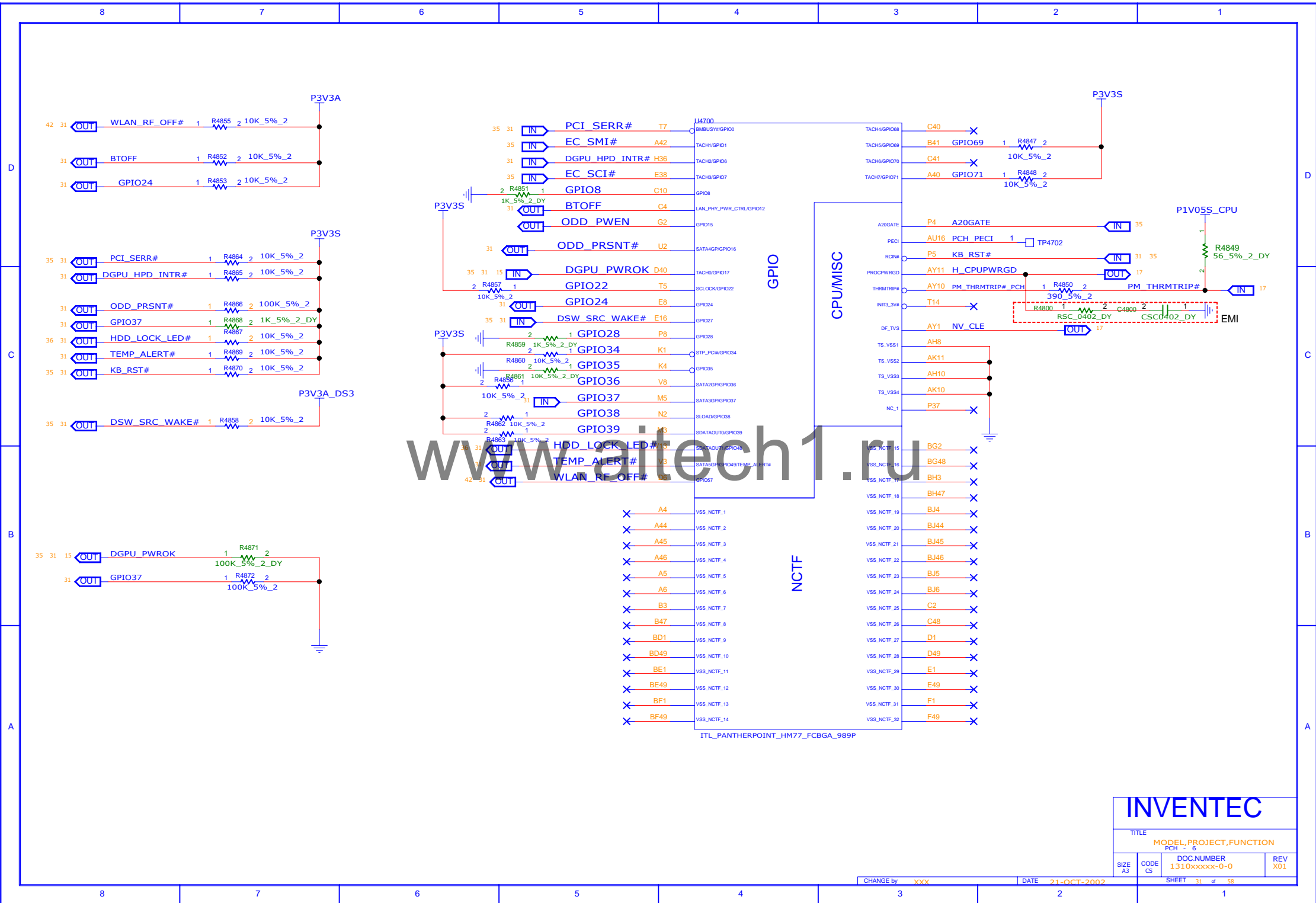
PN: 6019B1033301

INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION			
PCH - 3			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

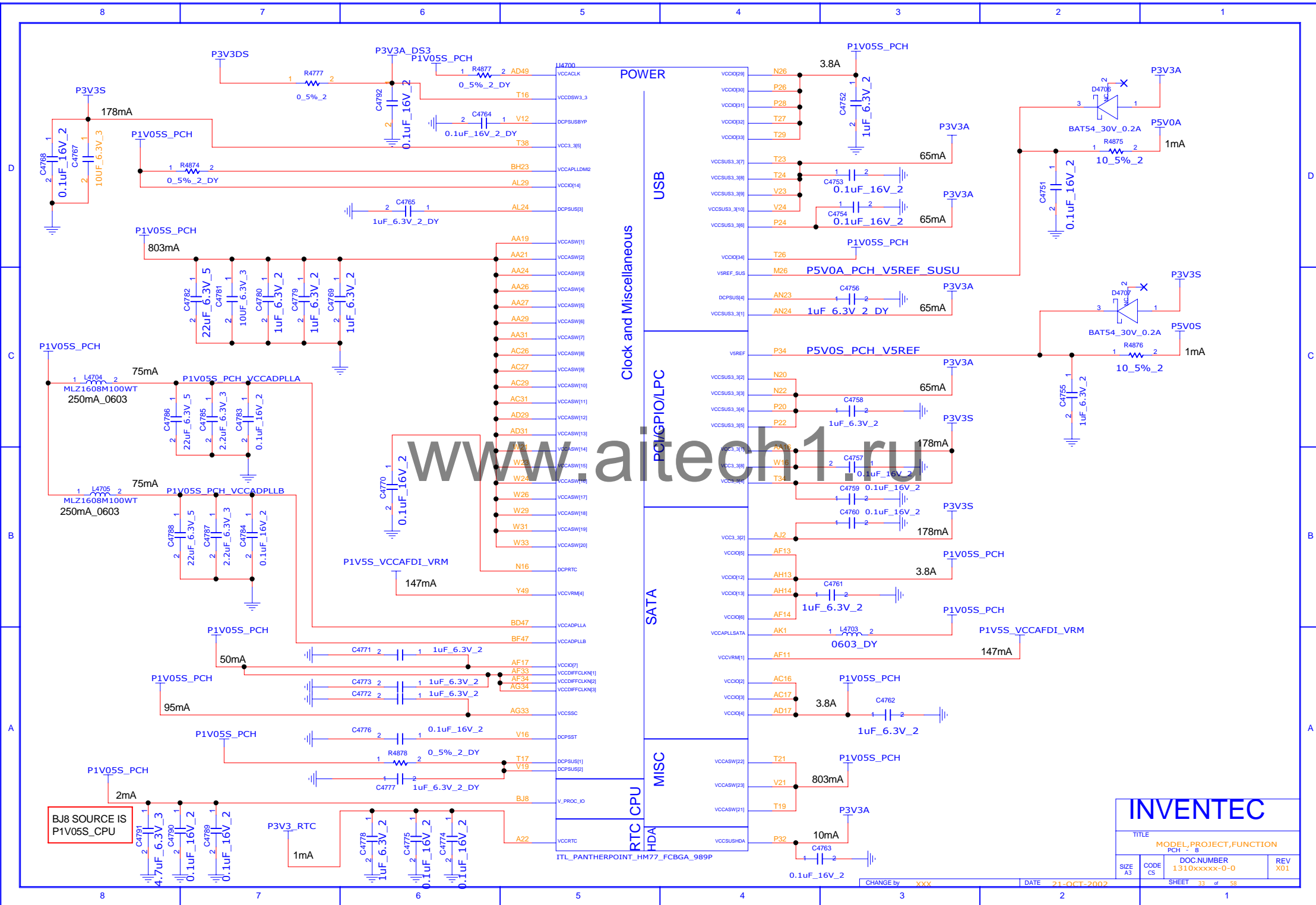


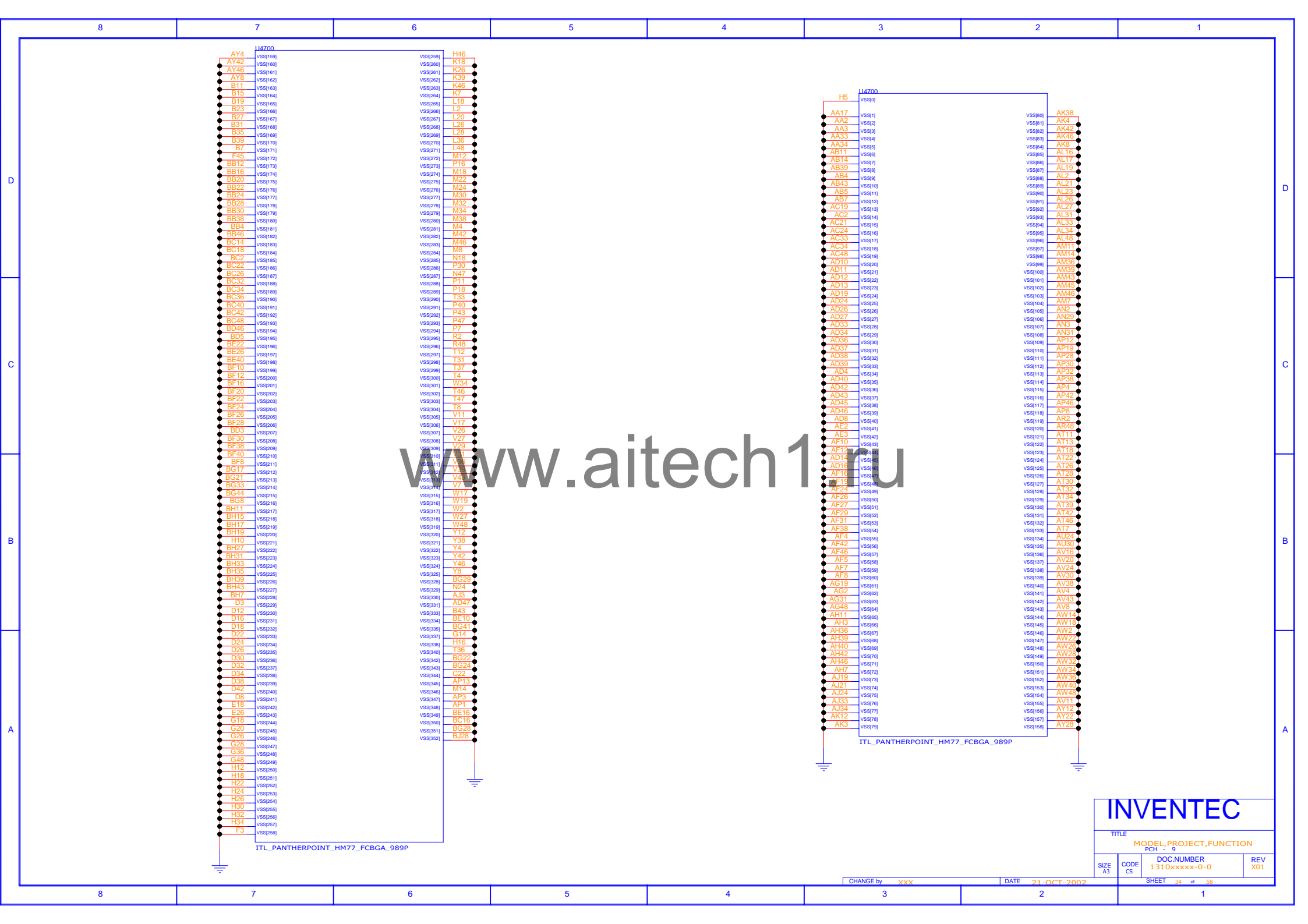












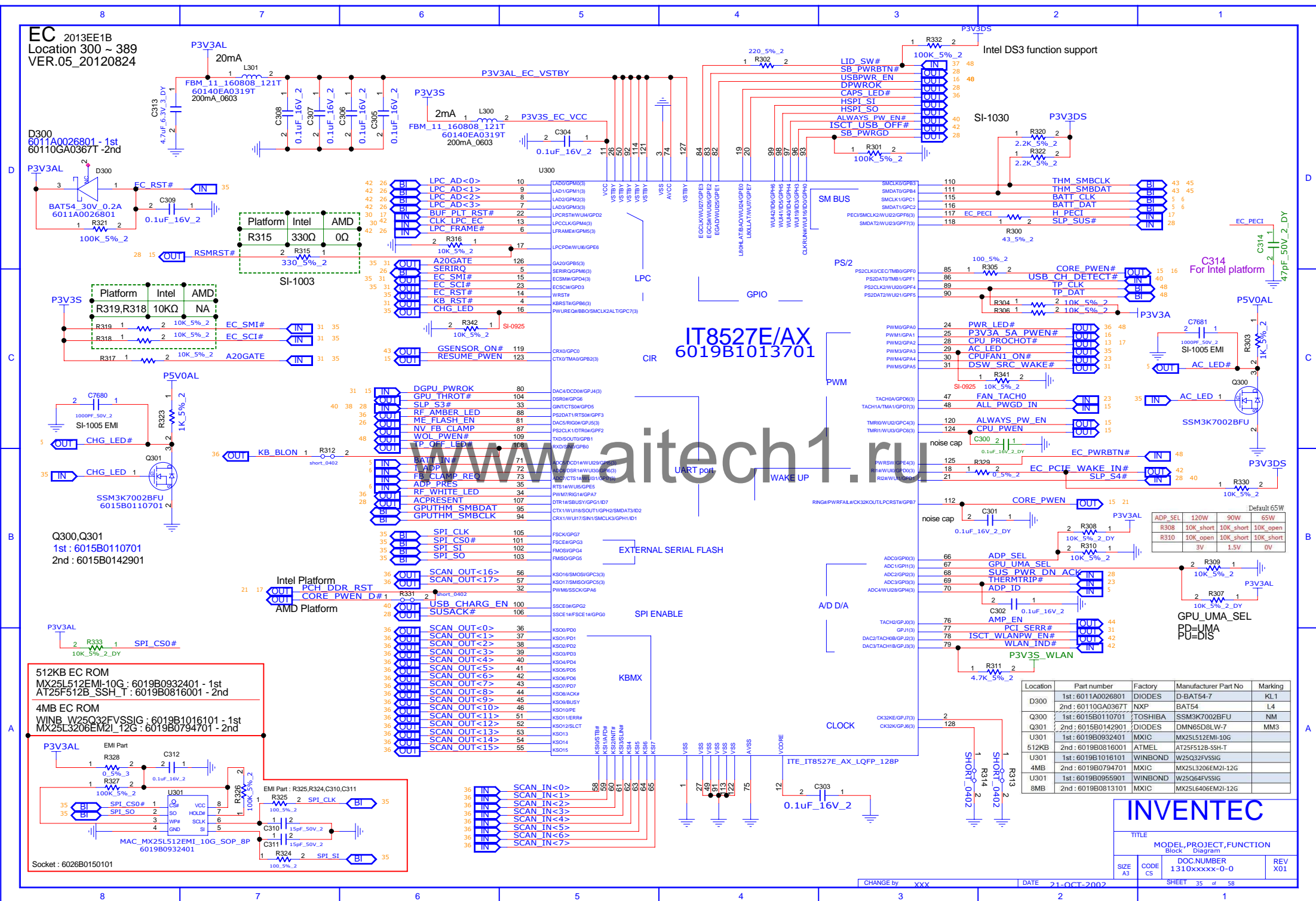
INVENTEC

TITLE  
MODEL,PROJECT,FUNCTION

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

CHANGE by XXX DATE 21-OCT-2002 SHEET 34 of 58

D300  
6011A0026801 - 1st  
60110GA0367T -2nd

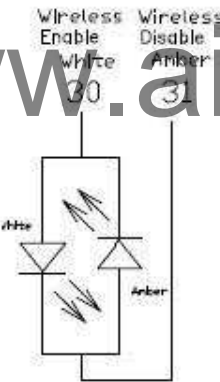
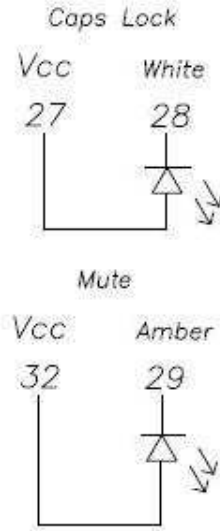
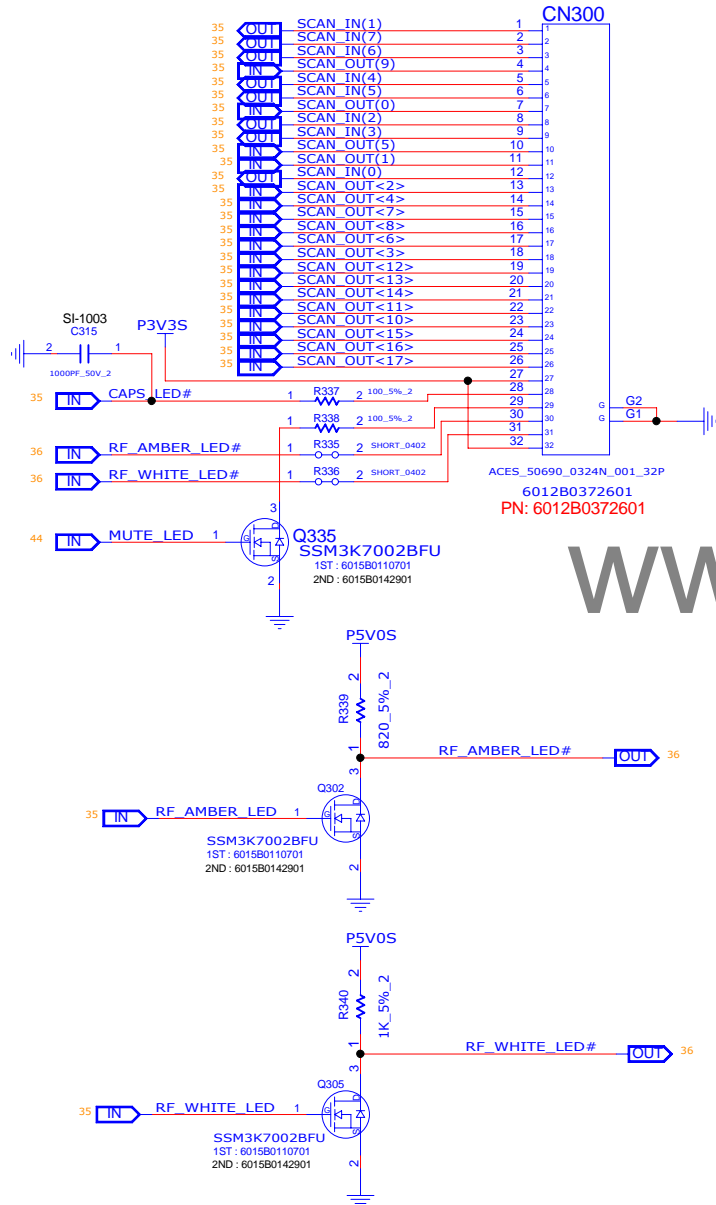


Location	Part number	Factory	Manufacturer Part No	Marking
D300	1st: 6011A0026801	DIODES	D-BAT54-7	K1
	2nd: 60110QA0367T	NXP	BAT54	L4
Q300	1st: 6015B0110701	TOSHIBA	SSM3K7002BFU	MM
Q301	2nd: 6015B01142901	DIODES	DMN65D8LW-7	MM3
	1st: 6019B0932401	MXIC	MX25L512EMI-10G	
U312KB	2nd: 6019B0810601	ATMEL	AT25F512-SSH-T	
4M3	1st: 6019B0116101	WINBOND	W25Q32CVT-15G	
	2nd: 6019B0794701	MXIC	MX25L3206EMT-2S	
4M4	1st: 6019B0955901	WINBOND	W25Q64FET-15G	
8M3	2nd: 6019B0813101	MXIC	MX25L6406EMT-2S	

INVENTEC

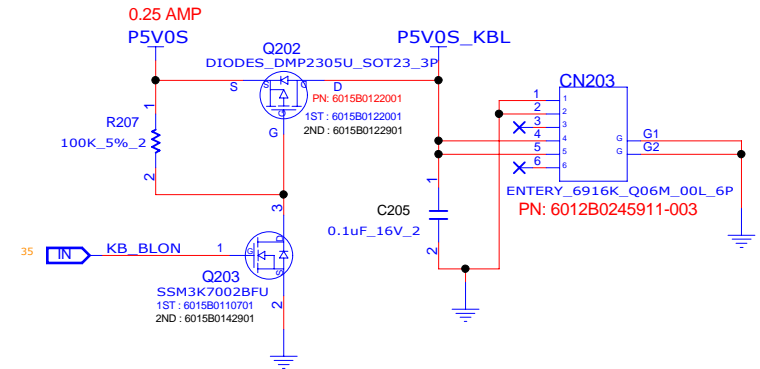
TITLE			
MODEL,PROJECT,FUNCTION			
Block		Diagram	
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	RE X0

## KEYBOARD CONN(32 PIN)



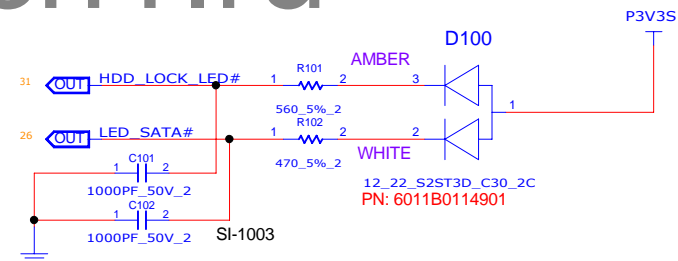
CONNECTOR KEY BOARD 200~299

## KEYBOARD BACKLIGHT

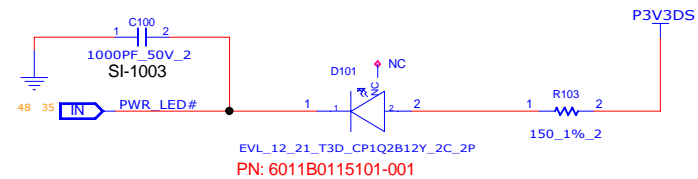


LED 100~199

## HDD LED



## POWER LED



INVENTEC

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

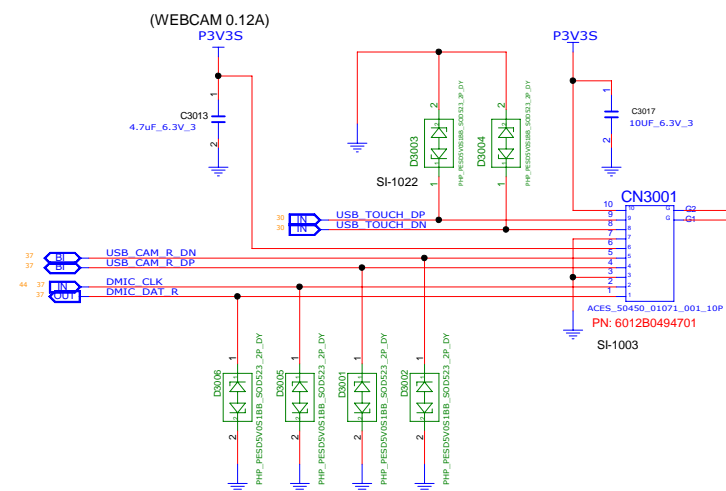
CHANGE by XXX DATE 21-OCT-2002

SHEET 36 of 58

LOCATION 3000~3049  
VER.01 20120822



CO-LAYOUT	LVDS	EDP
Q4900, R4901	×	○
R4600	×	○
R4500, R4523	○	×
R4524, R4525	×	○
C3006, C3007, C3009 C3010, C3011, C3012	×	○
R3018	×	○
R4727, R4882	×	○
C4730, C4731, C4732 L4701, R4728, C4796	○	×
R4807, R4808	○	×
R3002, R3003, R3004 R3009, R3010, R3013 R3014, R3015, R3016 R3017, R3019	○	×

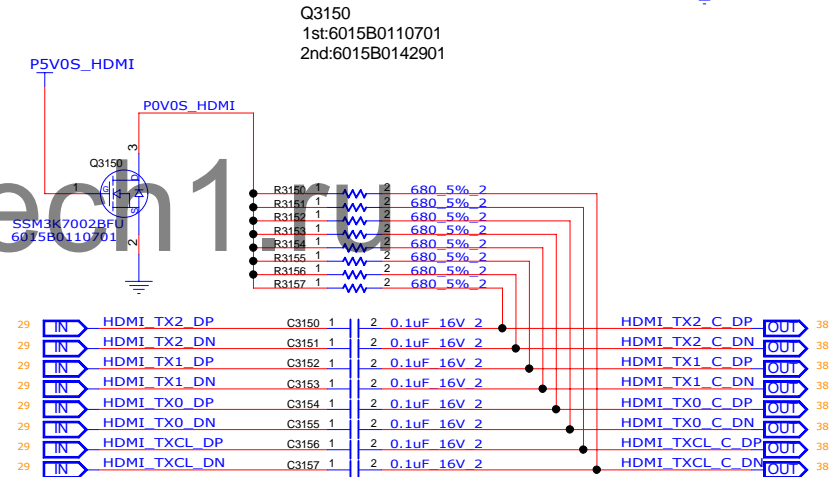
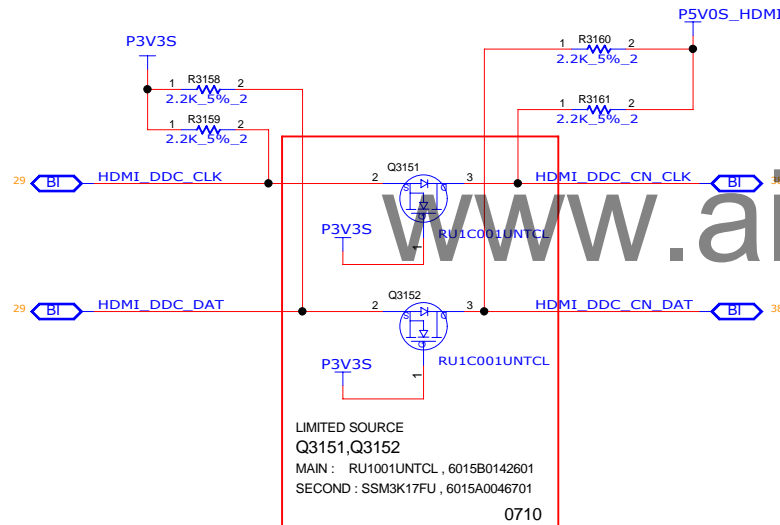
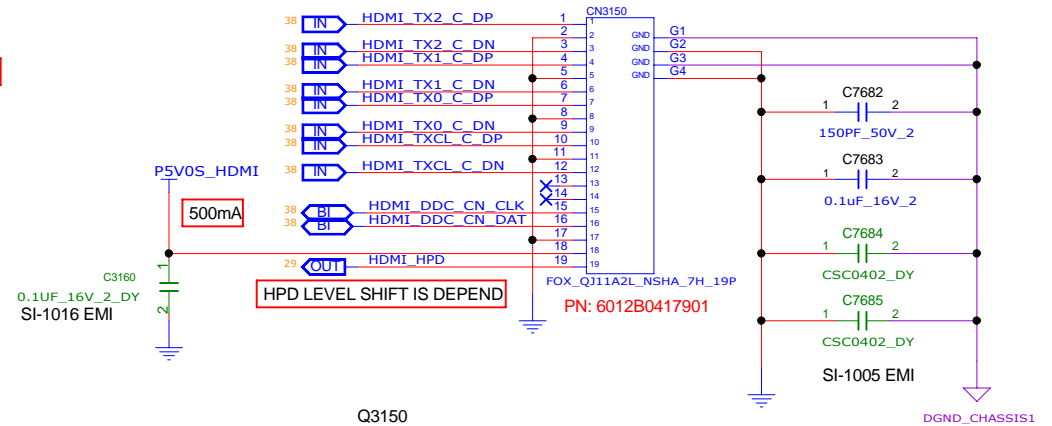
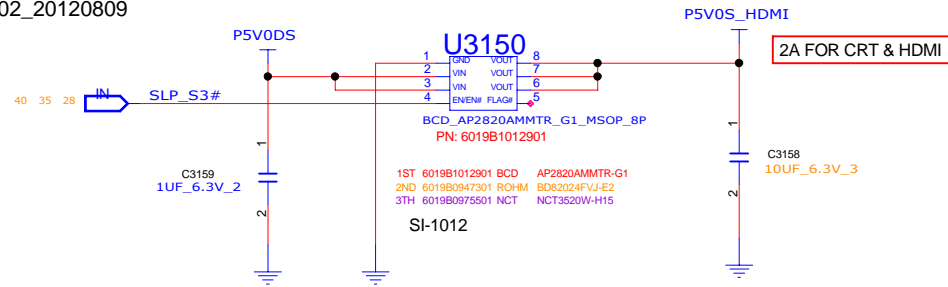


## WEBCAM+TOUCHN SCREEN

INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
LVDS			
SIZE	CODE	DOC NUMBER	
C	CS	1310xxxxx-0-0	
SHEET		37	of 58

# HDMI

Location 3150 ~ 3199  
Ver.02\_20120809



Location	Part number	Factory	Manufacturer Part No	Marking
D300	1ST : 6011A0026801	DIODES	D-BAT54-7	KL1
	2nd : 60110GA0367T	NXP	BAT54	
Q300	1ST : 6015B0124601	NXP	2N7002P	LWx
Q301	2nd : 6015B0140901	DIODES	DMN65D8L-7	MM6
U301	1ST : 6019B0932401	MXIC	MX25L512EMI-10G	
512KB	2nd : 6019B0816001	ATMEL	AT25F512B-SSH-T	
U301	1ST : 6019B1016101	WINBOND	W25Q32FVSSIG	
4MB	2nd : 6019B0794701	MXIC	MX25L3206EM2I-12G	

INVENTEC

TITLE  
MODEL,PROJECT,FUNCTION

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

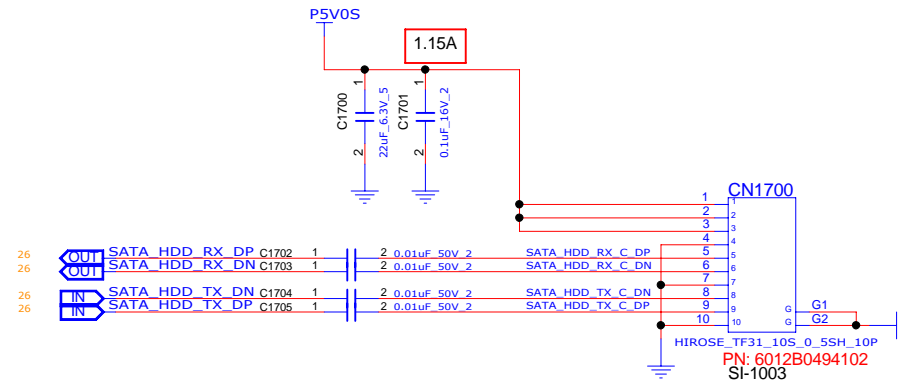
CHANGE by XXX DATE 21-OCT-2002

SHEET 38 of 58

SATA HDD  
Location 1700 ~ 1749

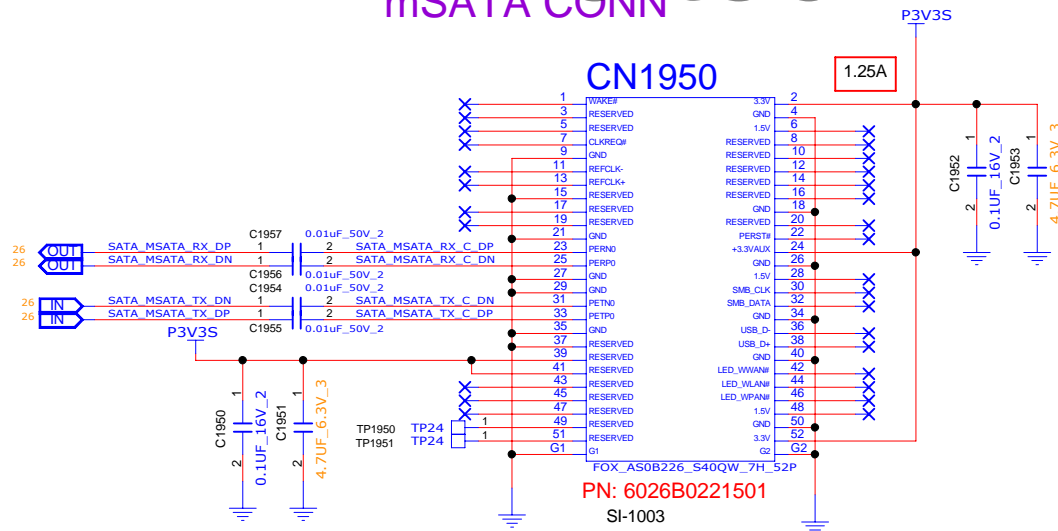
mSATA  
Location 1950 ~ 1999  
Ver.01\_20120808

## SATA HDD CABLE CONN on MB



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mSATA CONN



INVENTEC

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





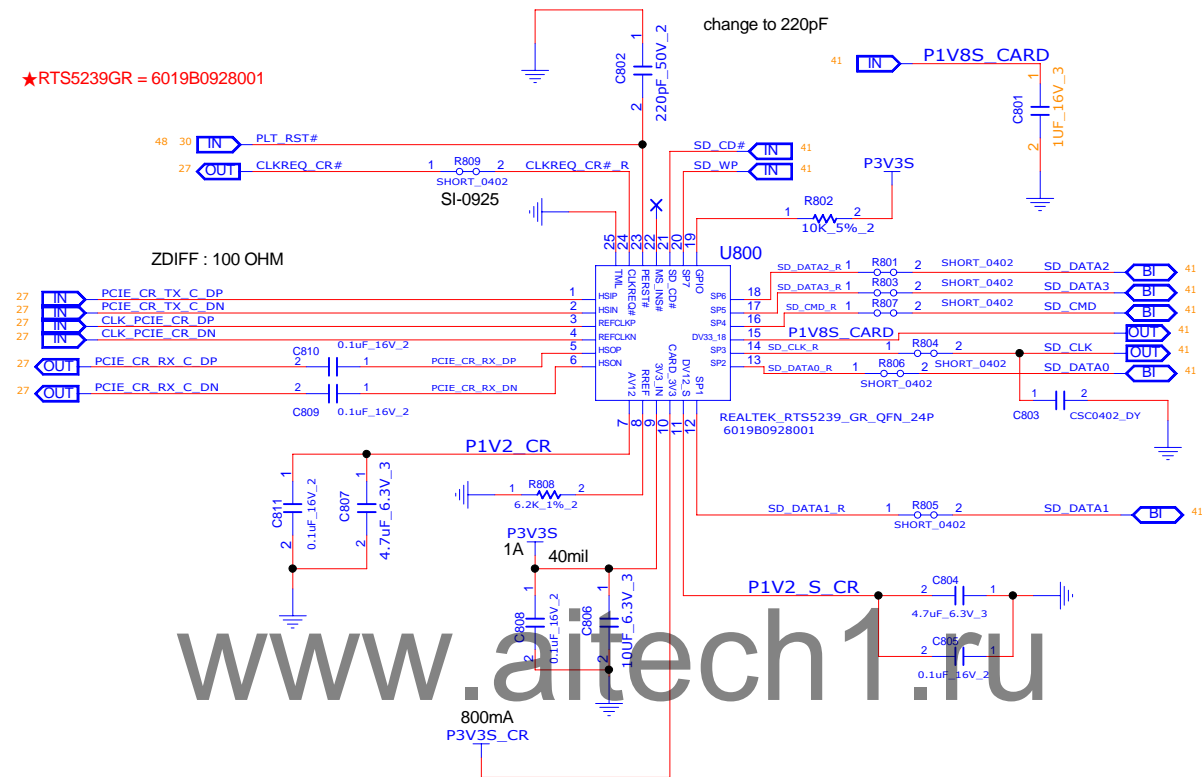


# CARD READER RTS5239

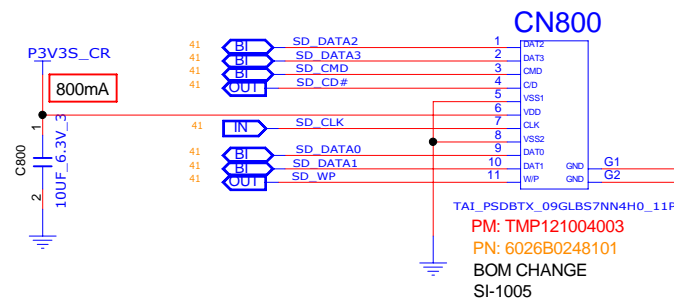
LOCATION: 800~899

VER\_04 . 20120823

★RTS5239GR = 6019B0928001



## CARDREADER CONN



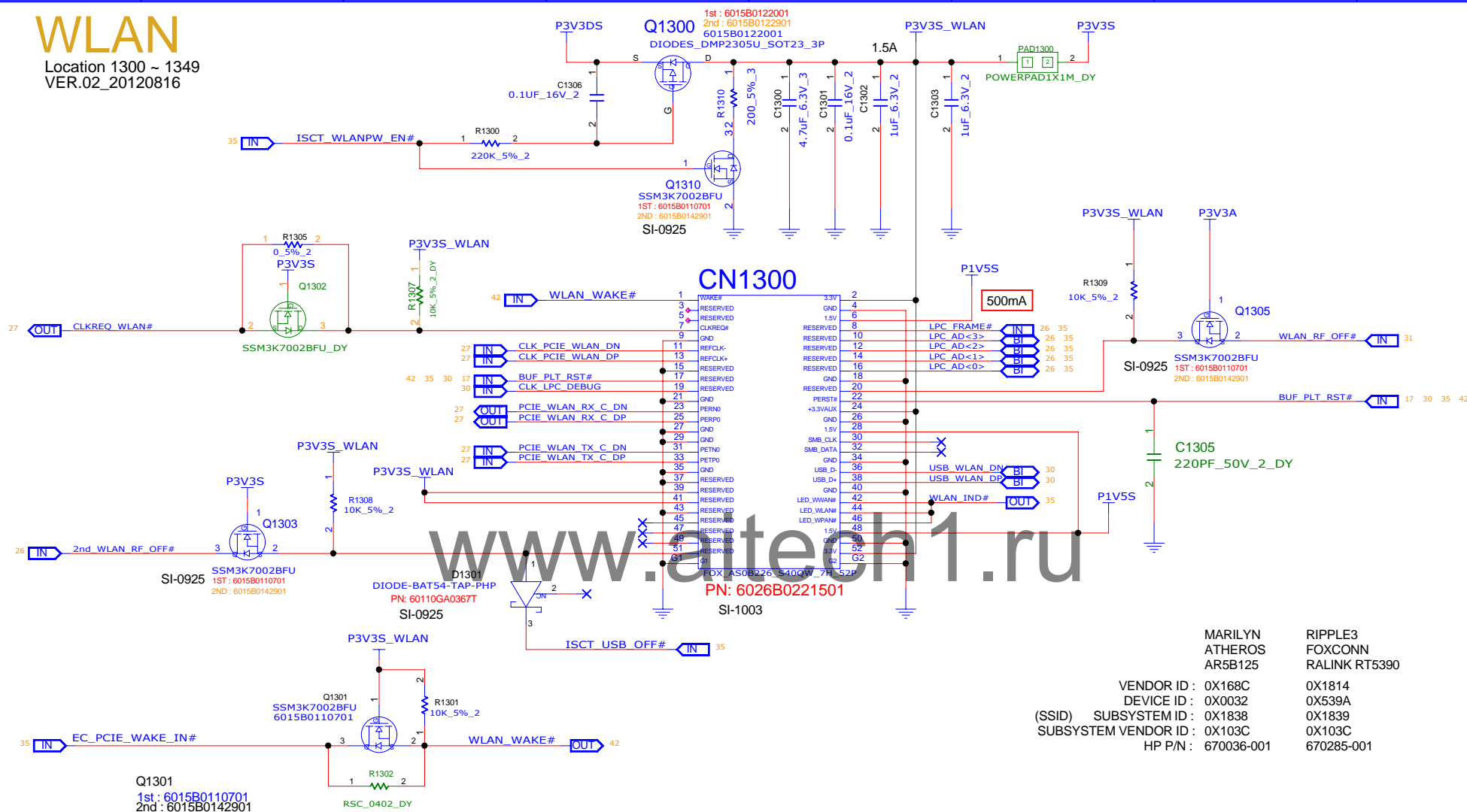
INVENTEC

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

CHANGE by XXX DATE 21-OCT-2002

SHEET 41 of 58

Location 1300 ~ 1349  
VER.02 20120816



Location	Part number	Factory	Manufacturer Part No	Marking
D1300	1st : 6011A0026801	DIODES	D-BAT54-7	KL1
	2nd : 60110GA0367T	NXP	BAT54	
Q1301	1st : 6015B0110701	TOSHIBA	SSM3K7002BFU	NM
	2nd : 6015B0142901	DIODES	DMN65D8LW-7	MM3
Q1300	1st : 6015B0122001	DIODES	DMP2305U	23P
	2nd : 6015B0122901	TOSHIBA	SSM3J327R	KFG

	MARILYN	RIPPLE3
	ATHEROS	FOXCONN
	AR5B125	RALINK RT5390
VENDOR ID :	0X168C	0X1814
DEVICE ID :	0X0032	0X539A
(SSID) SUBSYSTEM ID :	0X1838	0X1839
SUBSYSTEM VENDOR ID :	0X103C	0X103C
HP P/N :	670036-001	670285-001

INVENTEC

TITLE	MODEL,PROJECT,FUNCTION
WJAN 8. DT	

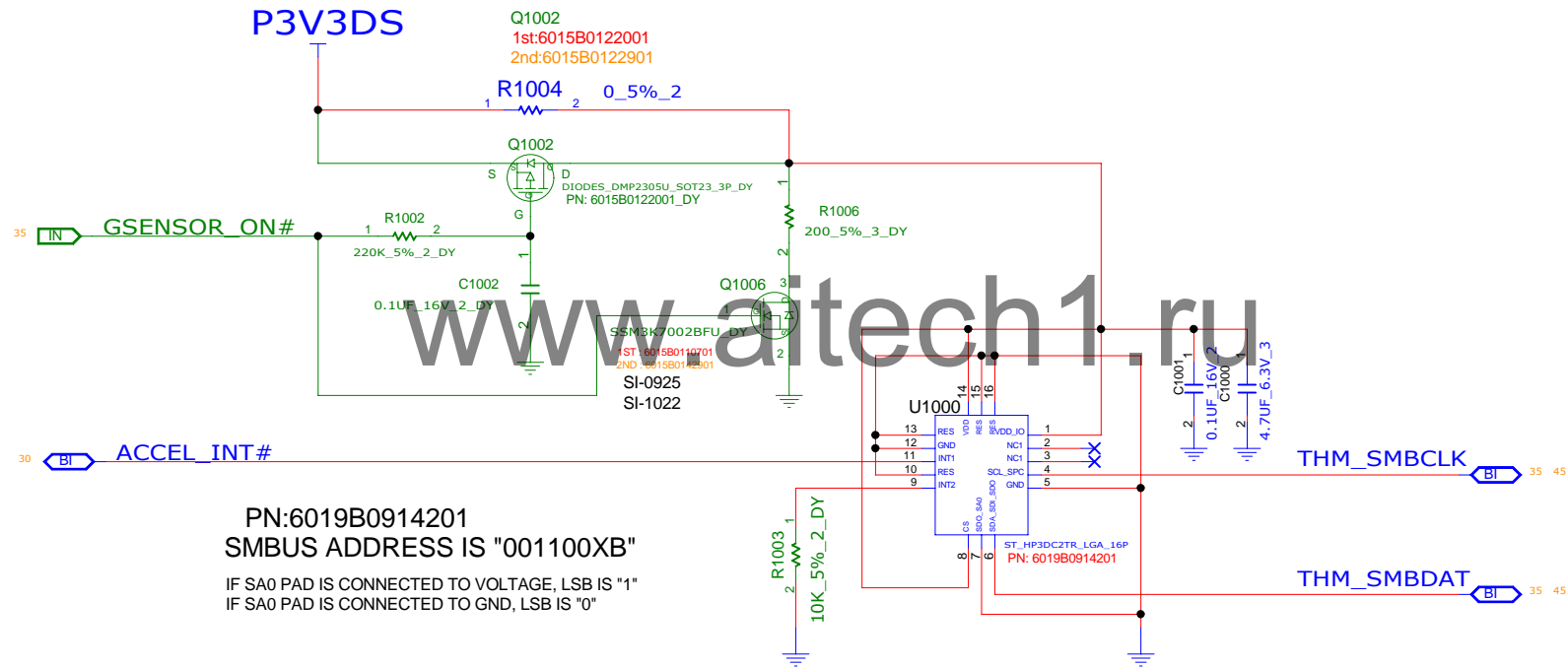
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REVISION X
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SHEET 42 of 58

# G-Sensor

Loctaion 1000 ~ 1099  
Ver.01\_20120807

## HARDDRIVE PROTECTION

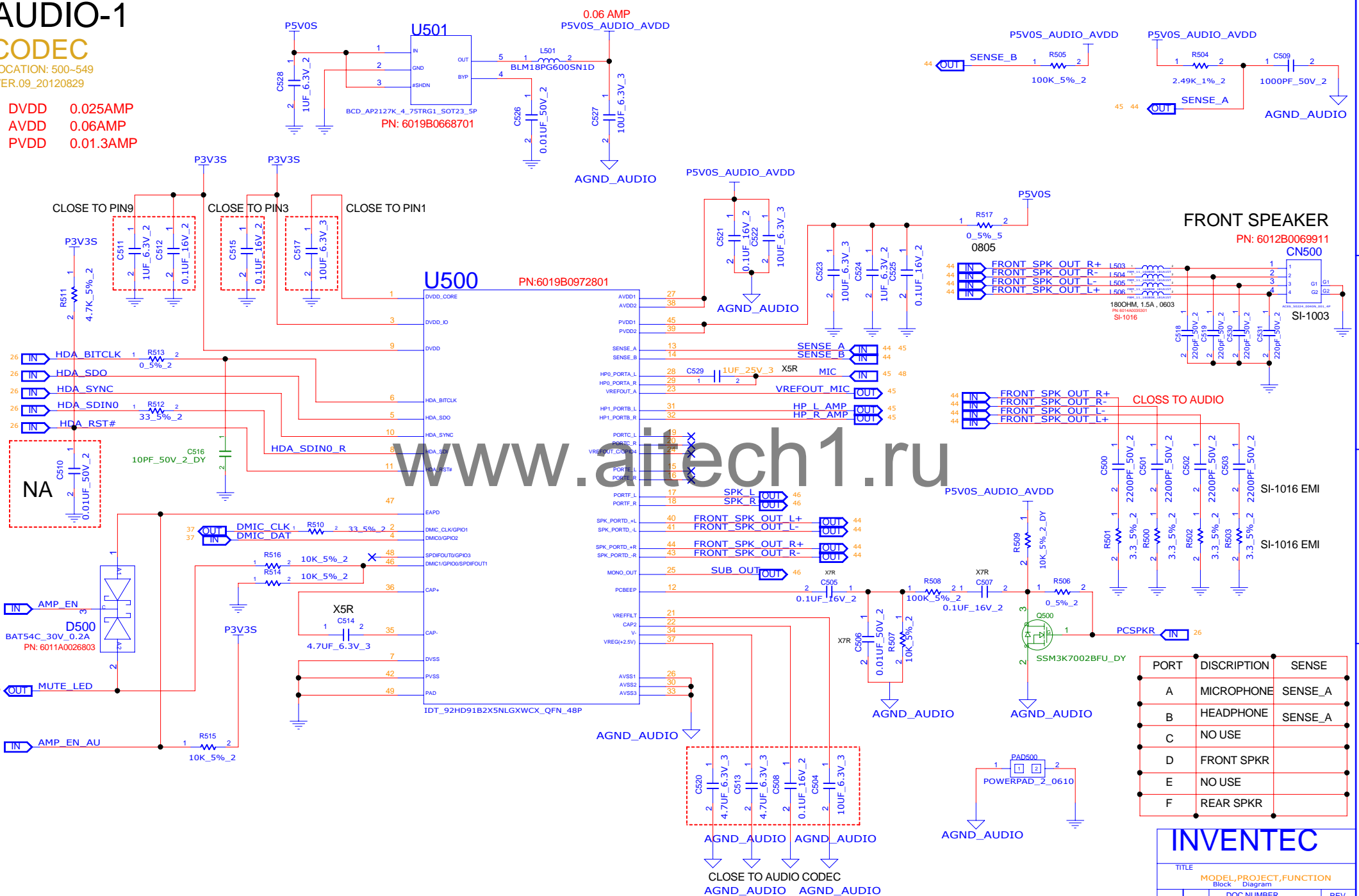


INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
SHEET 43 of 58			

LOCATION: 500~549  
VER.09\_20120829

DVDD	0.025AMP
AVDD	0.06AMP
PVDD	0.01.3AMP

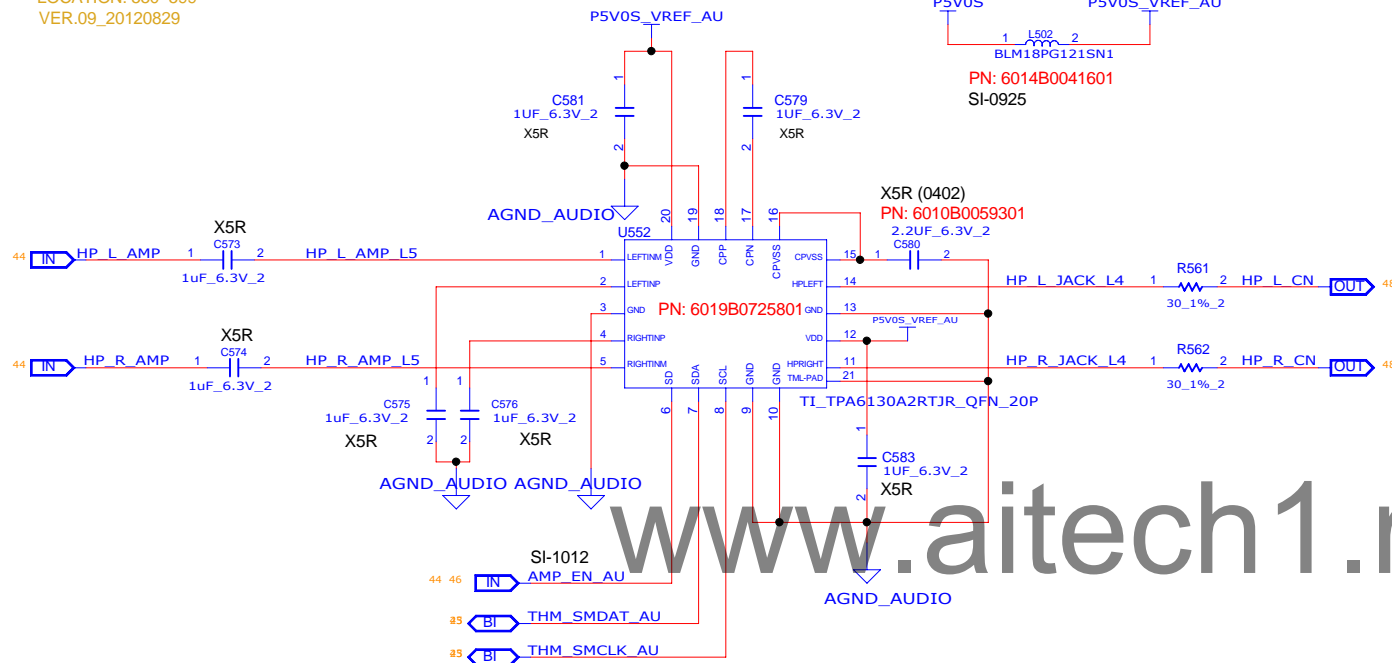


PORT	DISCRPTION	SENSE
A	MICROPHONE	SENSE_A
B	HEADPHONE	SENSE_A
C	NO USE	
D	FRONT SPKR	
E	NO USE	
F	REAR SPKR	

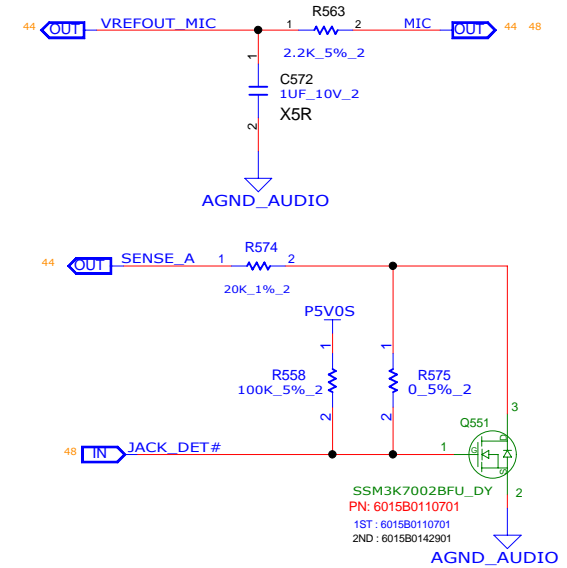
# INVENTEC

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

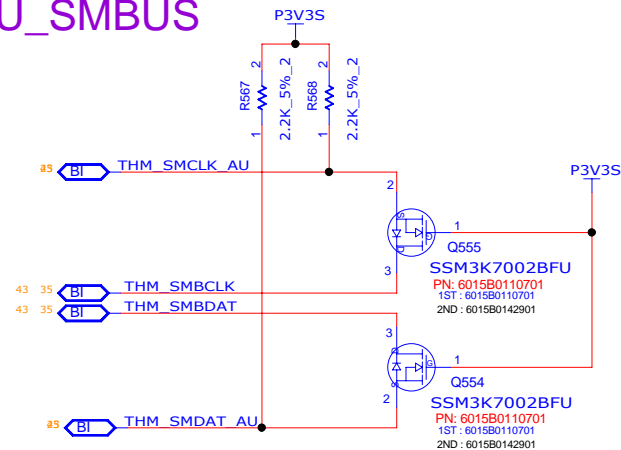
# AUDIO-2 CODEC

LOCATION: 550-599  
VER.09\_20120829

## COMBO JACK



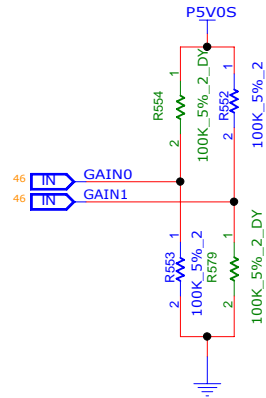
## AU\_SMBUS



Location	Part number	Factory	Manufacturer Part No	Marking
Q9401	1st : 6015B0122001	DIODES	DMP2305U	23P
	2nd : 6015B0122901	TOSHIBA	SSM3J327R	KFG
L9401	1st : 6014B0200401	TAI-TECH	SWF2520CF-2R2M-R15	
	2nd : 6014B0190301	CYNTEC	PHI25201B-2R2MS	
X9401	1st : 6018B0060301	EPSON	FA-238G	2500M
	2nd : 6018B0054701	TXC	7V25000014	T250

**INVENTEC**

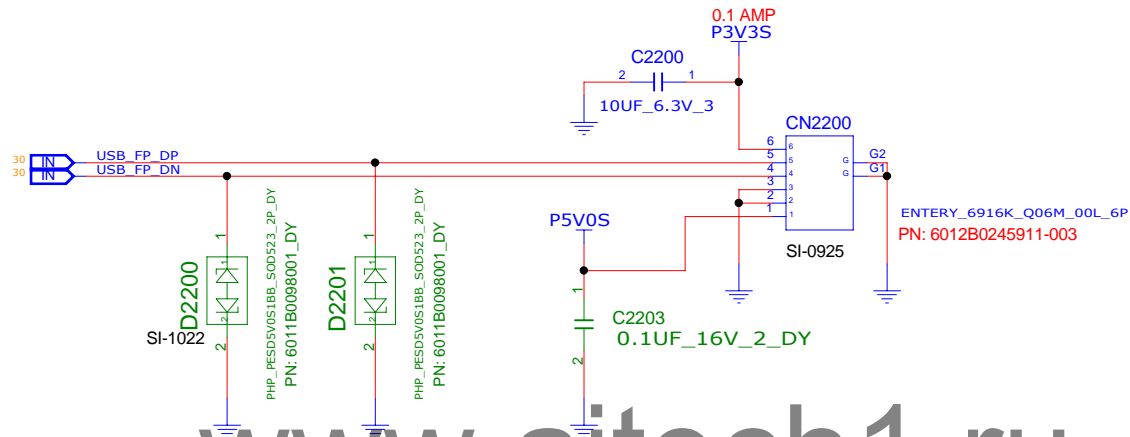
TITLE			
MODEL,PROJECT,FUNCTION			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

[illegible][illegible]

# INVENTEC

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

# FINGER PRINT



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VFM5302-3192 PIN ASSIGNMENTS

Pin Number	Signal Name	Test Point
1	3.3V <sub>CC</sub>	TP3
2	DP	TP1
3	DM	TP2
4	GND	TP4
5	GND	TP4
6	5V <sub>CC</sub>	TP6

Figure 4 - Connector Pin-out

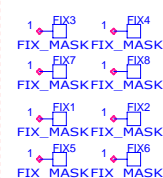
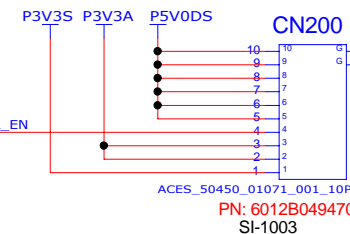
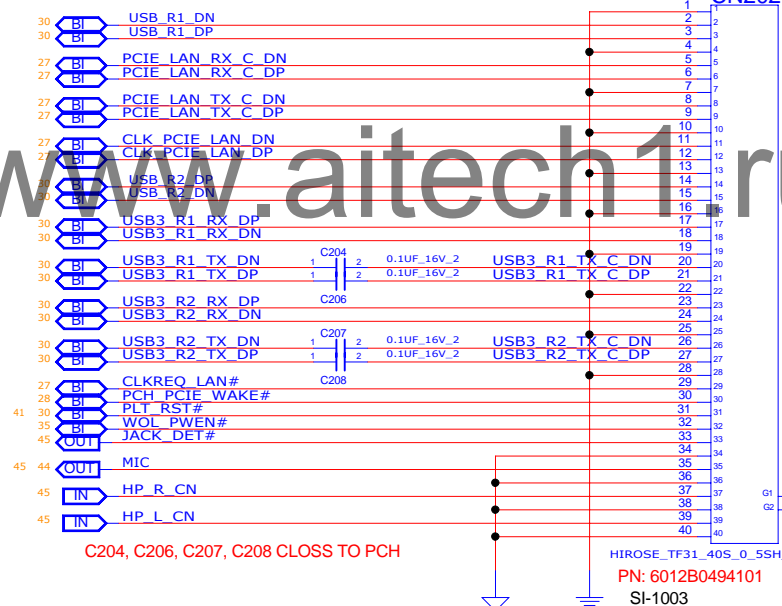
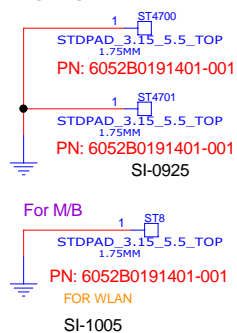
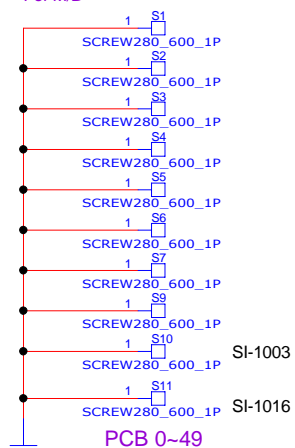
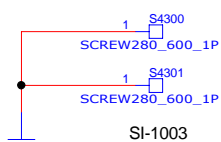
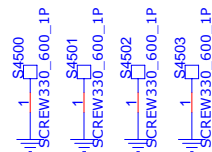
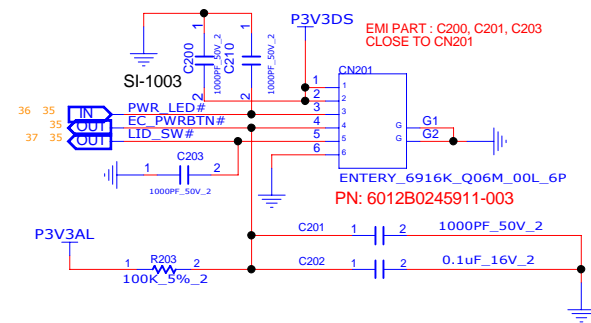
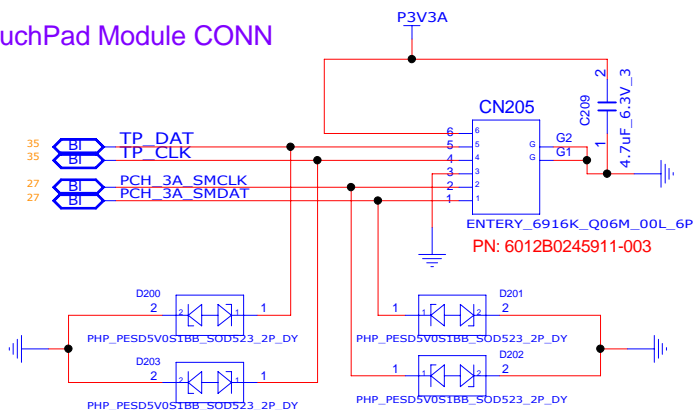
INVENTEC

TITLE  
MODEL, PROJECT, FUNCTION

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

CHANGE by XXX DATE 21-OCT-2002

SHEET 47 of 58



TITLE		MODEL,PROJECT,FUNCTION		R X
		POWER BUTTON		
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0		
		SHEET 48 of 58		



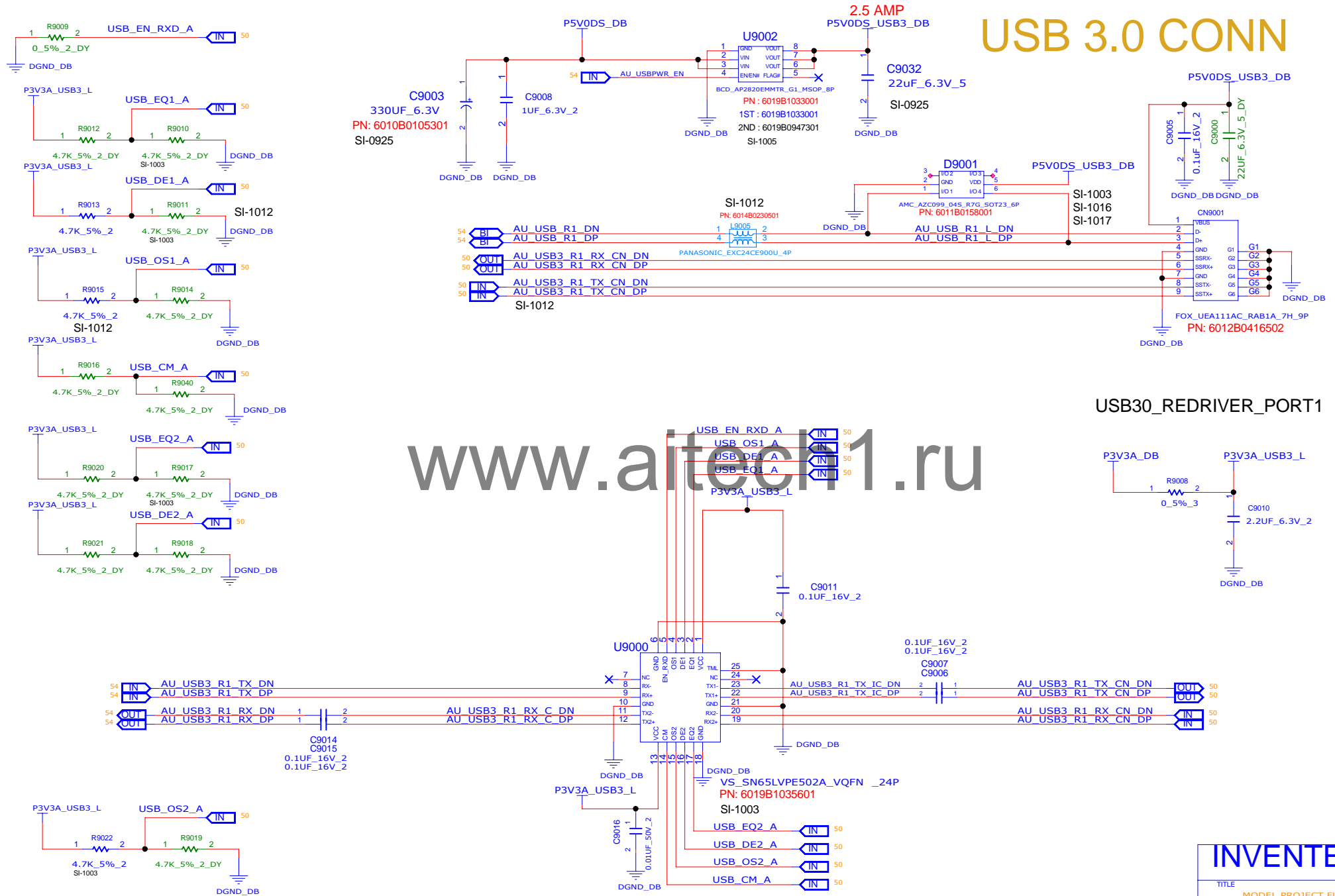
AUB  
LOCATION: 9000~9999  
VER.03\_20120814

# AUB BOARD

INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION Block Diagram			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
SHEET 49 of 58			

# USB 3.0 CONN



USB30\_REDRIIVER\_PORT1

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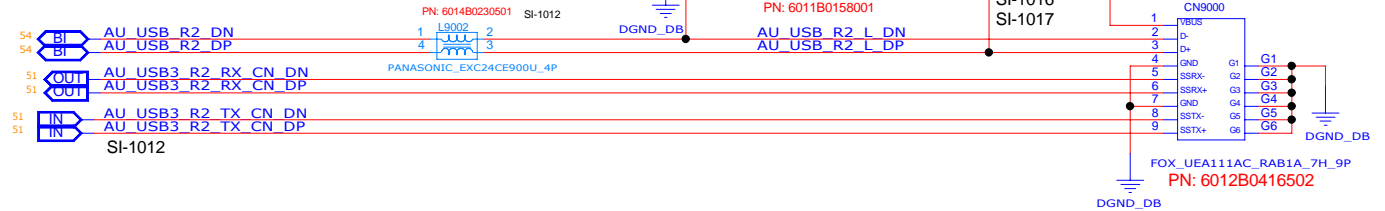
INVENTEC

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

CHANGE by XXX DATE 21-OCT-2002

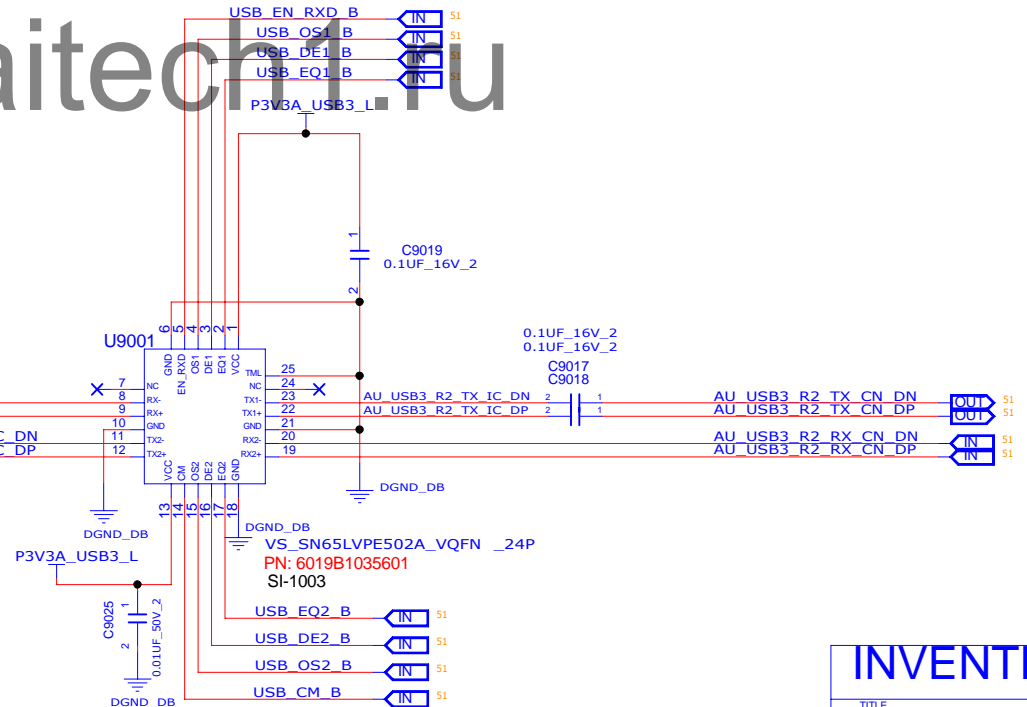
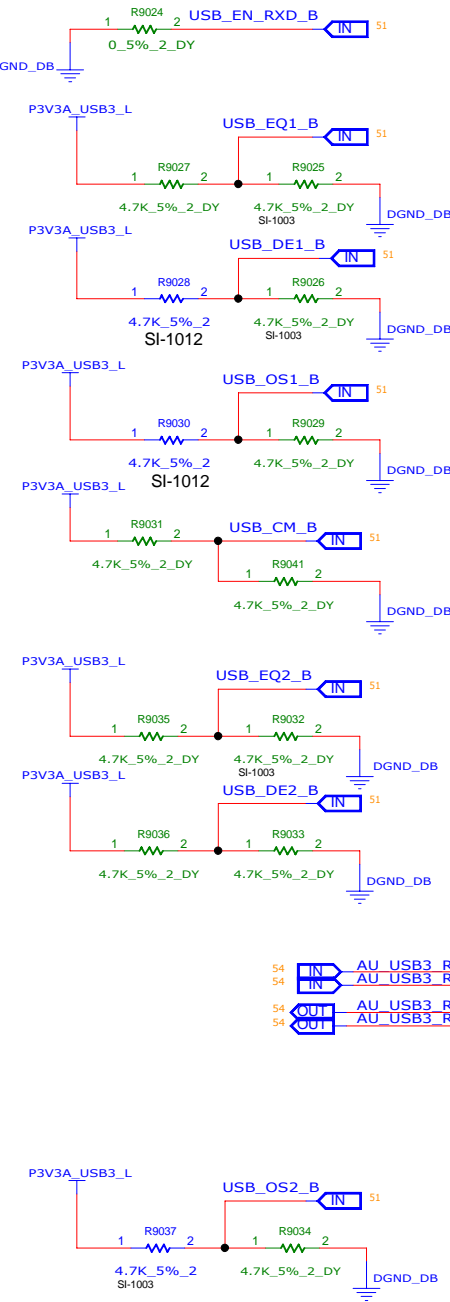
SHEET 50 of 58

# USB 3.0 CONN



USB30\_REDRIIVER\_PORT2

www.aitech1.ru



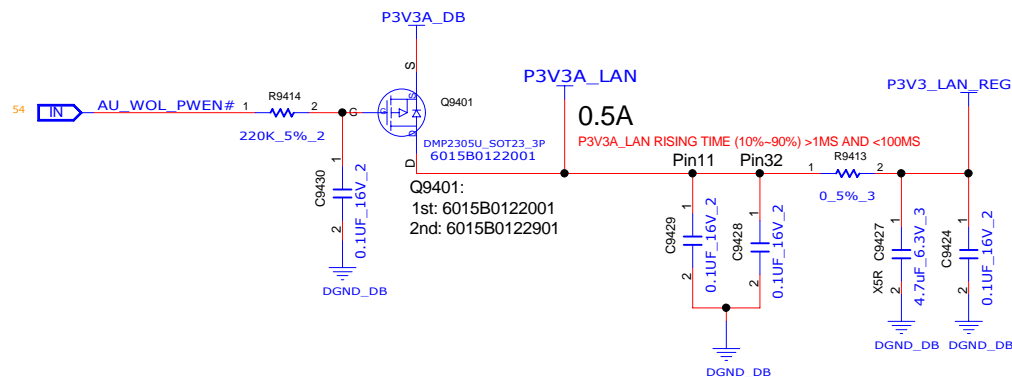
INVENTEC

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

CHANGE by XXX DATE 21-OCT-2002

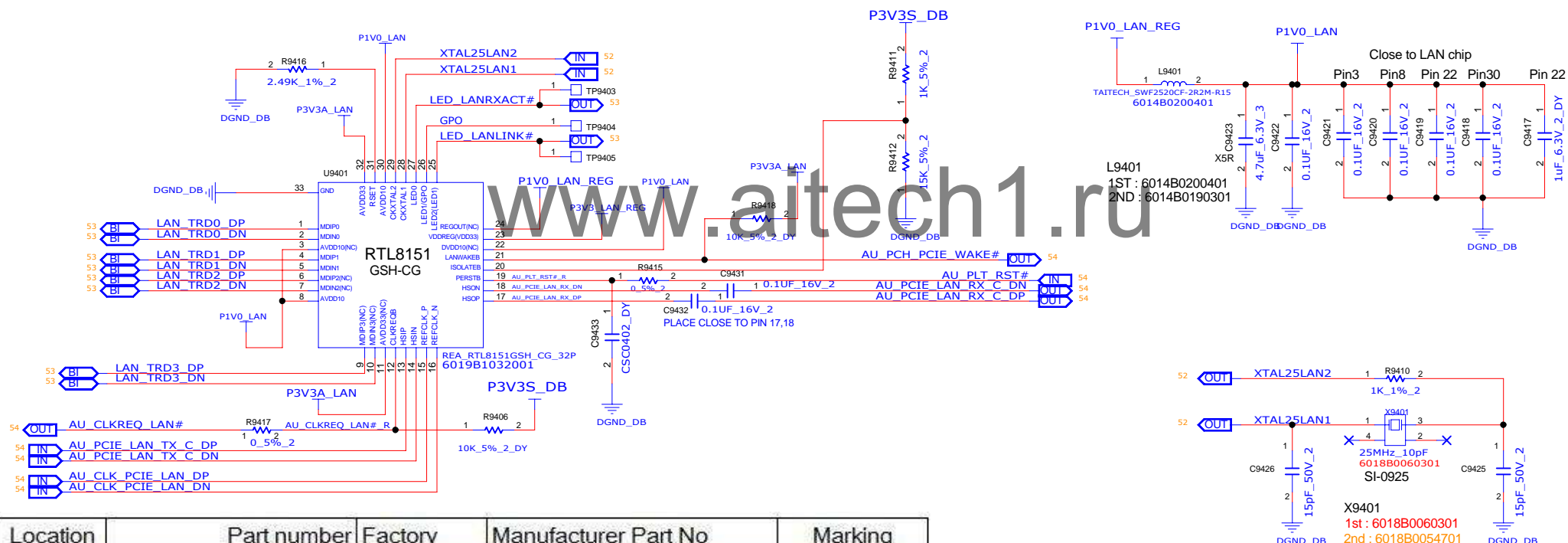
SHEET 51 of 58

Location 9400 ~ 9499  
Ver.03 20120807



6019B1032101\_RTL8161GSH-CG\_10/100/1000

6019B1032001 RTL8151GSH-CG 10/100/1000



Location	Part number	Factory	Manufacturer Part No	Marking
Q9401	1st : 6015B0122001	DIODES	DMP2305U	23P
	2nd : 6015B0122901	TOSHIBA	SSM3J327R	KFG
L9401	1st : 6014B0200401	TAI-TECH	SWF2520CF-2R2M-R15	
	2nd : 6014B0190301	CYNTEC	PHI25201B-2R2MS	
X9401	1st : 6018B0060301	EPSON	FA-238G	2500M
	2nd : 6018B0054701	TXC	7V25000014	T250

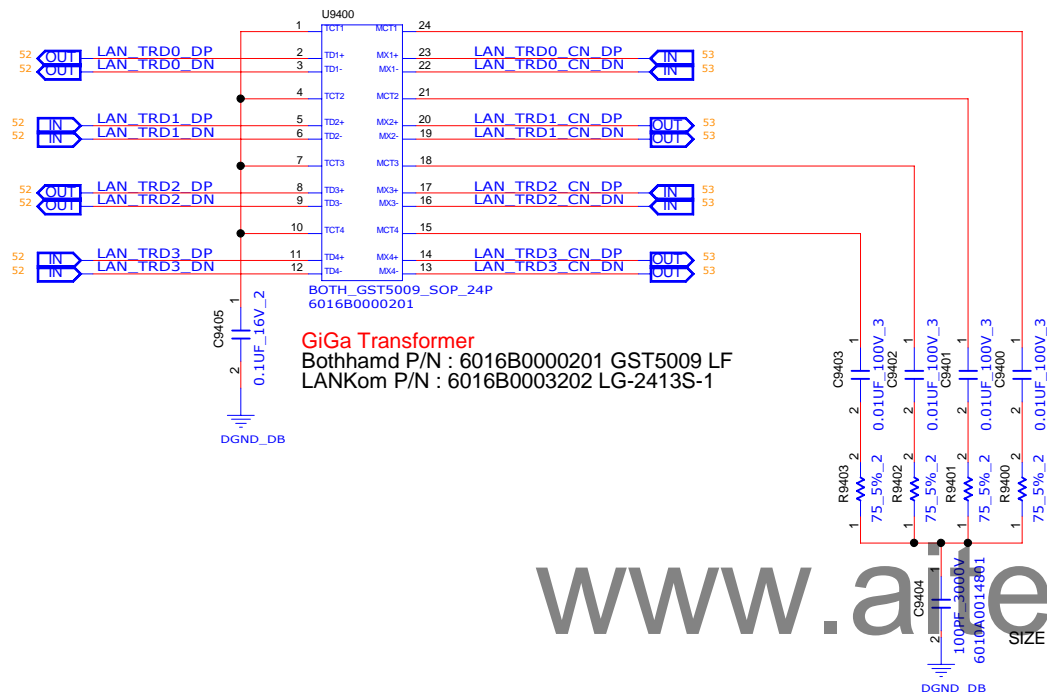
INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	FIG. NO. X

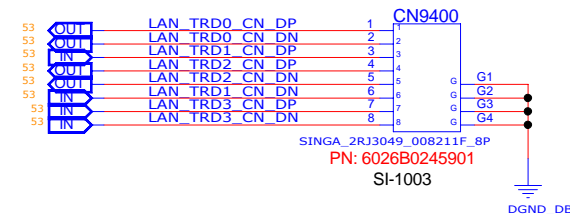
# LAN ( Transformer & RJ45 )

Location 9400 ~ 9499

Ver.06\_20120813

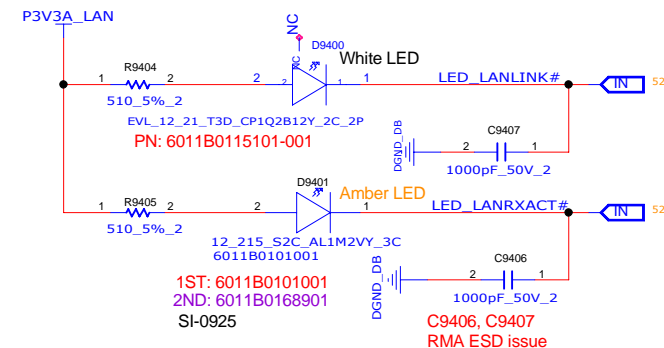


## RJ-45



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★Layout  
D9400 White LED place on TOP side.  
D9401 Amber LED place on Bottom side.



Location	Part number	Factory	Manufacturer Part No	Color
D9400	6011B0115101	EVERLIGHT	T3D_CP1Q2B12Y_2C	White
D9401	6011B0101001	EVERLIGHT	S2C_AL1M2VY_3C	Amber

Location	Part number	Factory	Manufacturer Part No	Marking
D300	1st : 6011A0026801 2nd : 60110GA0367T	DIODES	D-BAT54-7	KL1
Q300	1st : 6015B0110701	TOSHIBA	SSM3K7002BFU	NM
Q301	2nd : 6015B0142901	DIODES	DMN65D8LW-7	MM3
U301	1st : 6019B0932401	MXIC	MX25L512EML-10G	
512KB	2nd : 6019B0816001	ATMEL	AT25F512B-SSH-T	
U301	1st : 6019B1016101	WINBOND	W25Q32FVSSIG	
4MB	2nd : 6019B0794701	MXIC	MX25L3206EM2I-12G	
U301	1st : 6019B0955901	WINBOND	W25Q64FV55IG	
8MB	2nd : 6019B0813101	MXIC	MX25L6406EM2I-12G	

INVENTEC

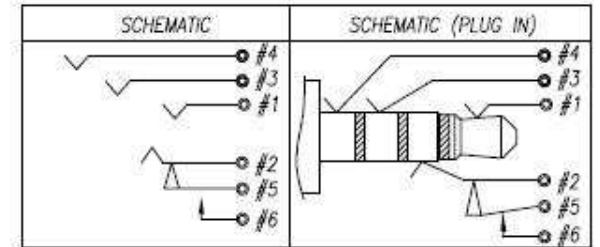
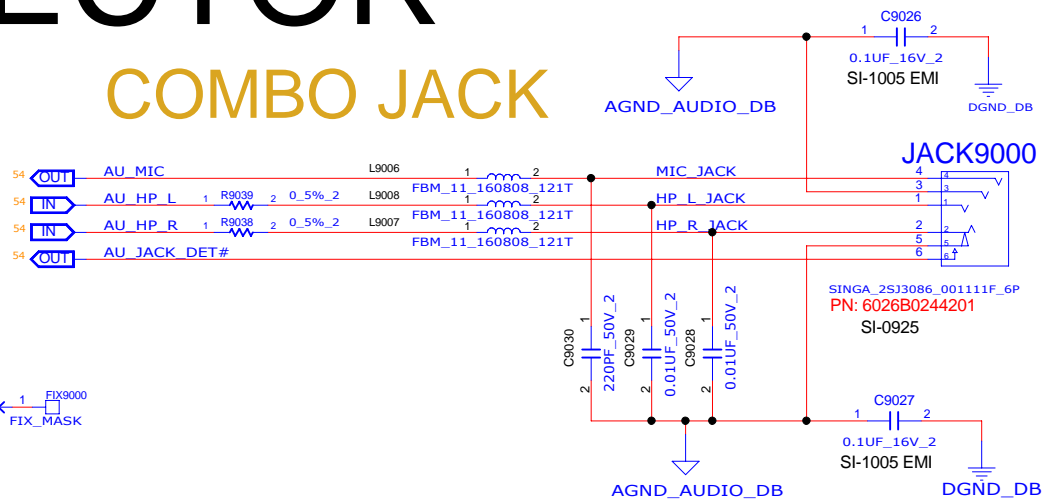
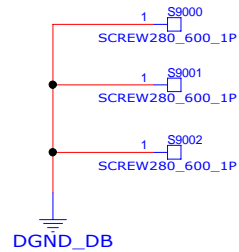
TITLE			
MODEL,PROJECT,FUNCTION			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01

CHANGE by XXX DATE 21-OCT-2002

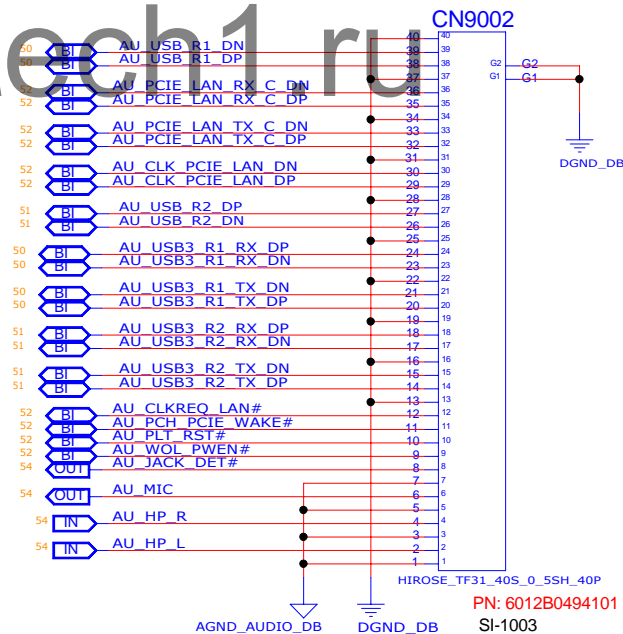
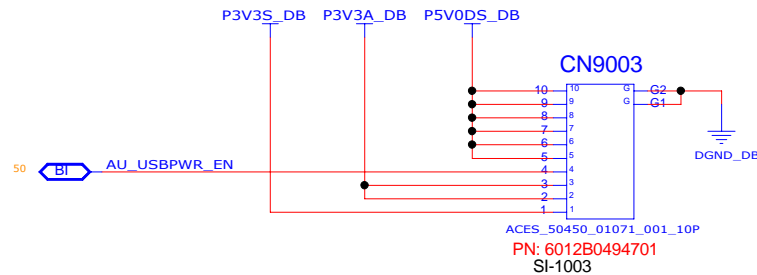
SHEET 53 of 58

# CONNECTOR

## COMBO JACK



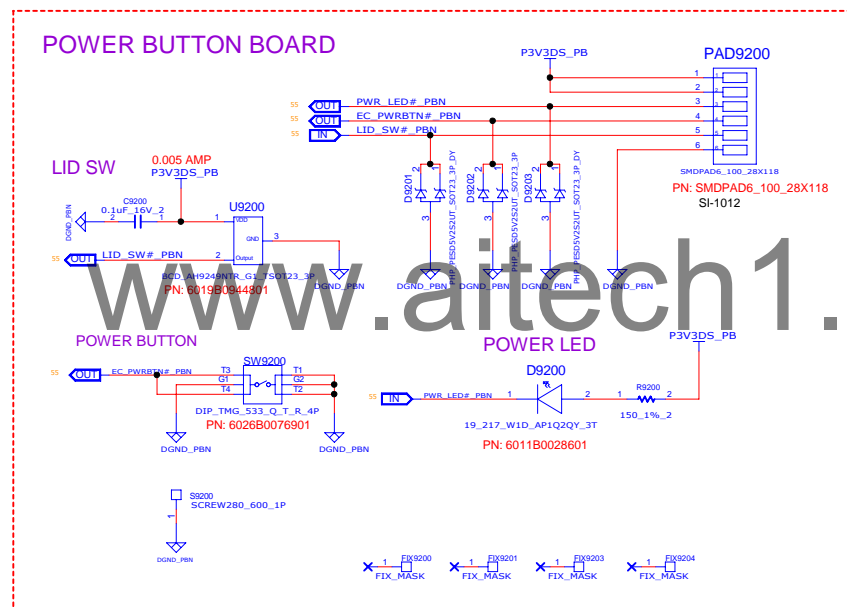
## MB TO AUB CONNECTOR



INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
SHEET 54 of 58			

# POWER BUTTON BOARD



**INVENTEC**

TITLE			
MODEL,PROJECT,FUNCTION			
Block Diagram			
SIZE	CODE	DOCNUMBER	REV
S	CS	1310xxxxx-0-0	X01

CHANGE BY	xxx	DATE	11-OCT-2002	SHEET	1	of	18
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USB BOARD (6L)	1310A2548501	6050A2548501
USB BOARD (8L)	1310A2548601	6050A2548601
POWER BOARD (6L)	1310A2548701	6050A2548701
POWER BOARD (8L)	1310A2548801	6050A2548801
EMI BOARD (6L)	1310A2552101	6050A2552101
	1310A2552102	
EMI BOARD (8L)	1310A2552201	6050A2552201
	1310A2552202	



CHIEF RIVER	DIS	NVIDIA N14P-GV2 (GEFORCE 630M)	4G	SAMSUNG K4W4G1646B-HC11	1310A2548303
CHIEF RIVER	DIS	NVIDIA N14P-GV2 (GEFORCE 630M)	2G	MICRON MT41K256M16HA-107G:E	1310A2548302
CHIEF RIVER	UMA	N/A	N/A	N/A	1310A2548201

INVENTEC			
TITLE			
MODEL, PROJECT, FUNCTION			
Block Diagram			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01
CHANGE by		DATE	SHEET
XXX		21-OCT-2002	56 of 58



POWE UP

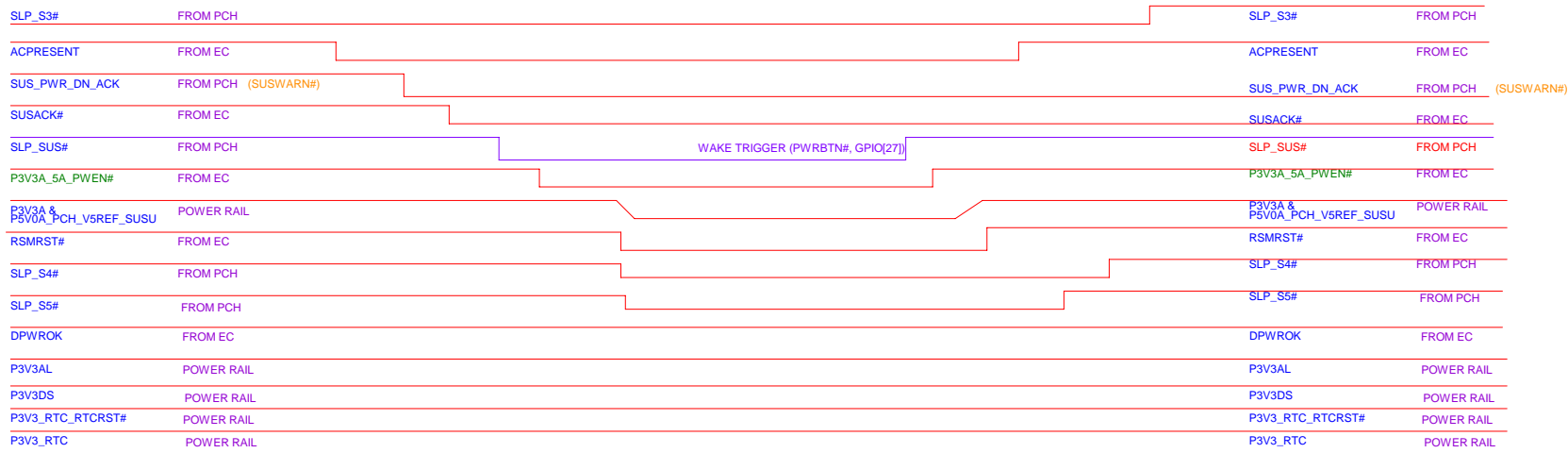
S5----->S0

S3



S3 TO DEEP S3

DEEP S3 TO S0



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