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

DB BUILD QUANTITY LIST :

1310A2493104 10 PCS CR-SG + H-VRAM + GIGA LAN
1310A2493105 72 PCS CR-SG + S-VRAM + 10/100 LAN
1310A2493106 55 PCS CR-UMA + GIGA LAN
1310A2493201 137 PCS POWER /B
1310A2493601 137 PCS PICK BTN /B
1310A2493701 137 PCS USB /B

MOTHER BOARD PCB
P/N : 6050A2493101

POWER BOARD PCB
P/N : 6050A2493201

USB BOARD PCB
P/N : 6050A2493601

TOUCHPAD BOARD PCB
P/N : 6050A2493701

HARVEY 14

CR / HR UMA / DIS

2011.09.27

HARVEY 14 ID LIST
HURON RIVER UMA : 0X1854
HURON RIVER DIS : 0X1855
CHIEF RIVER UMA : 0X1856
CHIEF RIVER DIS : 0X1857

SUB SYSTEM ID :
HP : 0X103C

BASE SCHEMATIC :
CR-SG + SAMSUNG VRAM + 10/100 LAN + 90W ADAPTER + SUPPORT 27MHZ GREEN CLK + USB2.0 CONN

GPU VRAM TYPE:

U5 , U6 , U7 , U8

SAMSUNG 1GB C-DIE
PN : 6019B0818601

R2 : NA
R3 : NA
R33 : NA
R61 : NA

HYNIX 1GB D-DIE
PN : 6019B0938301

R2 : MOUNT OR : 60130B0000ZT
R3 : NA
R33 : NA
R61 : NA

SAMSUNG 512KB

R2 : NA
R3 : MOUNT
R33 : NA
R61 : NA

HYNIX 512MB

R2 : MOUNT
R3 : MOUNT
R33 : NA
R61 : NA

DIS GREEN CLK SUPPORT 27MHZ

U9 SLG3NB300V P/N : 6019B0941101
C188 MOUNT 0.1UF : 6010A0036403
R126 MOUNT 10R : 60130B10000X
D4400 NA P/N : 6011A0026803

UMA GREEN CLK

U9 SLG3NB250V 6019B0934701
C188 NA
R126 NA
D4400 NA

DIS ADAPTER 90W

R802 MOUNT 100K : 60130B1040ZT
R769 NA

UMA ADAPTER 65W

R802 NA
R769 MOUNT 100K : 60130B1040ZT

USB 3.0 CONN

CN518 6012B0370301
C2405 MOUNT 0.1UF : 6010A0036403
C2406 MOUNT 0.1UF : 6010A0036403
D2400 NA >> ESD
L470 MOUNT P/N : 6014B0177901
L471 MOUNT P/N : 6014B0177901

USB 2.0 CONN

CN518 6012B0370102
C2405 NA
C2406 NA
D2400 NA >> ESD
L470 NA
L471 NA

BOARD ID	CR-UMA HR-UMA INTEL	CR-SG HR-SG SEYMOUR	CR-SG HR-SG THAMES
ID0-HI R960	0	1	0
ID1-HI R905	0	0	1
ID2-HI R902	0	0	0
ID3-HI R967	0	0	0
ID4-HI R899	0	0	0
ID5-HI R914	1	1	1
ID0-LO R961	1	0	1
ID1-LO R903	1	1	0
ID2-LO R904	1	1	1
ID3-LO R968	1	1	1
ID4-LO R900	1	1	1
ID5-LO R920	0	0	0

ID0 = GPIO40 RXXX = 10K : 60130B1030ZT
ID1 = GPIO41 0 : RXXX NA 1 : RXXX MOUNT
ID2 = GPIO42
ID3 = GPIO43
ID4 = GPIO9
ID5 = GPIO10

BOARD_ID5 ONLY FOR WEBCAN USE
FOR HD WEB CAM BOARD_ID5 PULL P3V3A
FOR VGA WEB CAM BOARD_ID5 PULL GND

M/B ID	DB	SI	PV	MV
R844	MOUNT	NA	MOUNT	NA
R824	MOUNT	MOUNT	NA	NA
R845	NA	MOUNT	NA	MOUNT
R828	NA	NA	MOUNT	MOUNT

RXXX = 10K : 60130B1030ZT NOV JAN MAR

For DB build
SOUTH BRIDGE
HM75 QPEG Q0
BD82PPSM
P/N : 6019B0919101

PAD402 不開鋼板 RTC Rest
PAD4500 不開鋼板 SM_vrer
PAD2 開
PAD4 開
PAD400 開
PAD4700 開
PAD500 開
PAD508 開
PAD6015 開
PAD6100 開
PAD6103 開
PAD6105 開
PAD6110 開
PAD6150 開
PAD6200 開
PAD6210 開
PAD6220 開
PAD6300 開
PAD6301 開
PAD6310 開
PAD6510 開
PAD6500 開
PAD6610 開
PAD6710 開
PAD6750 開
PAD6970 開
PAD9000 開
PAD9001 開
PAD9200 開

RTL8161FH = 6019B0928101(10/100/1000)
RTL8165EH = 6019B0928301(10/100)

RTL8165EH(10/100) LDO MODE

R408 : MOUNT ----> CHOOSE LDO MODE OR : 60130B0000ZT
R407 : NA ----> CHOOSE SWITCHING MODE
R413 : NA
C404 : NA
C405 : NA
C406 : NA
C409 : NA
C411 : NA
C415 : NA
C417 : NA
C420 : NA
L400 : NA
U470 : NA

U502 : MOUNT 6016B0008101
U400 : MOUNT 6019B0928301 (10/100 LAN)

RTL8161FH(GIGA-LAN) SWITCHING MODE

R408 : NA ----> CHOOSE LDO MODE
R407 : MOUNT ----> CHOOSE SWITCHING MODE OR : 60130B1030ZT
R413 : MOUNT OR_0603 : 60130B000000Z
C404 : MOUNT 4.7UF : 6010B0009904
C405 : MOUNT 0.1UF : 6010A0036403
C406 : MOUNT 0.1UF : 6010A0036403
C409 : MOUNT 0.1UF : 6010A0036403
C411 : MOUNT 0.1UF : 6010A0036403
C415 : MOUNT 0.1UF : 6010A0036403
C417 : MOUNT 4.7UF : 6010B0009904
C420 : MOUNT 0.1UF : 6010A0036403
L400 : MOUNT P/N : 6014B0200401
U470 : MOUNT 6016B0010401
U502 : NA
U400 : MOUNT 6019B0928101 (GIGALAN)

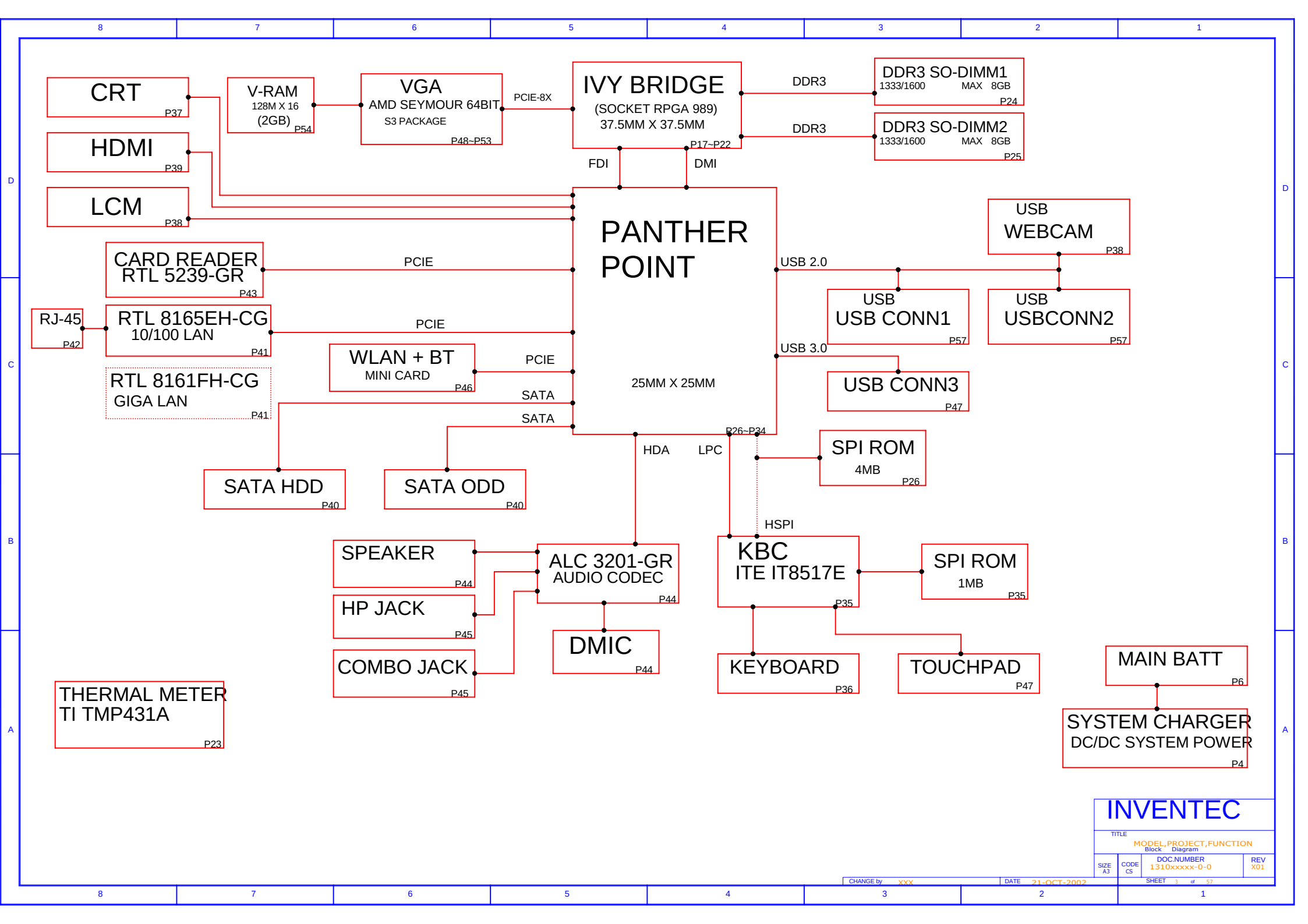
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RESPONSIBLE									
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PN		6050A2493101				SHEET			# 57

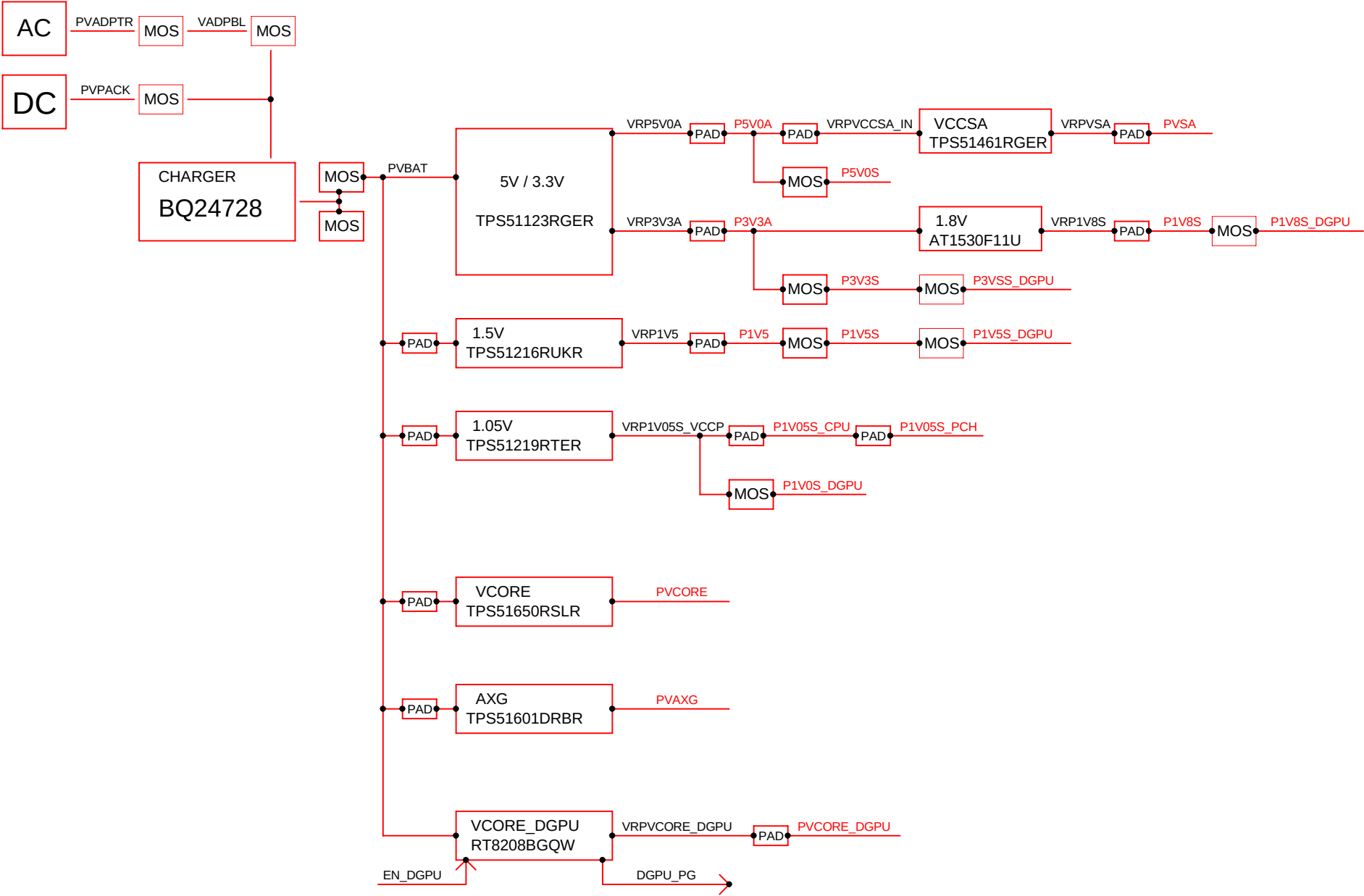
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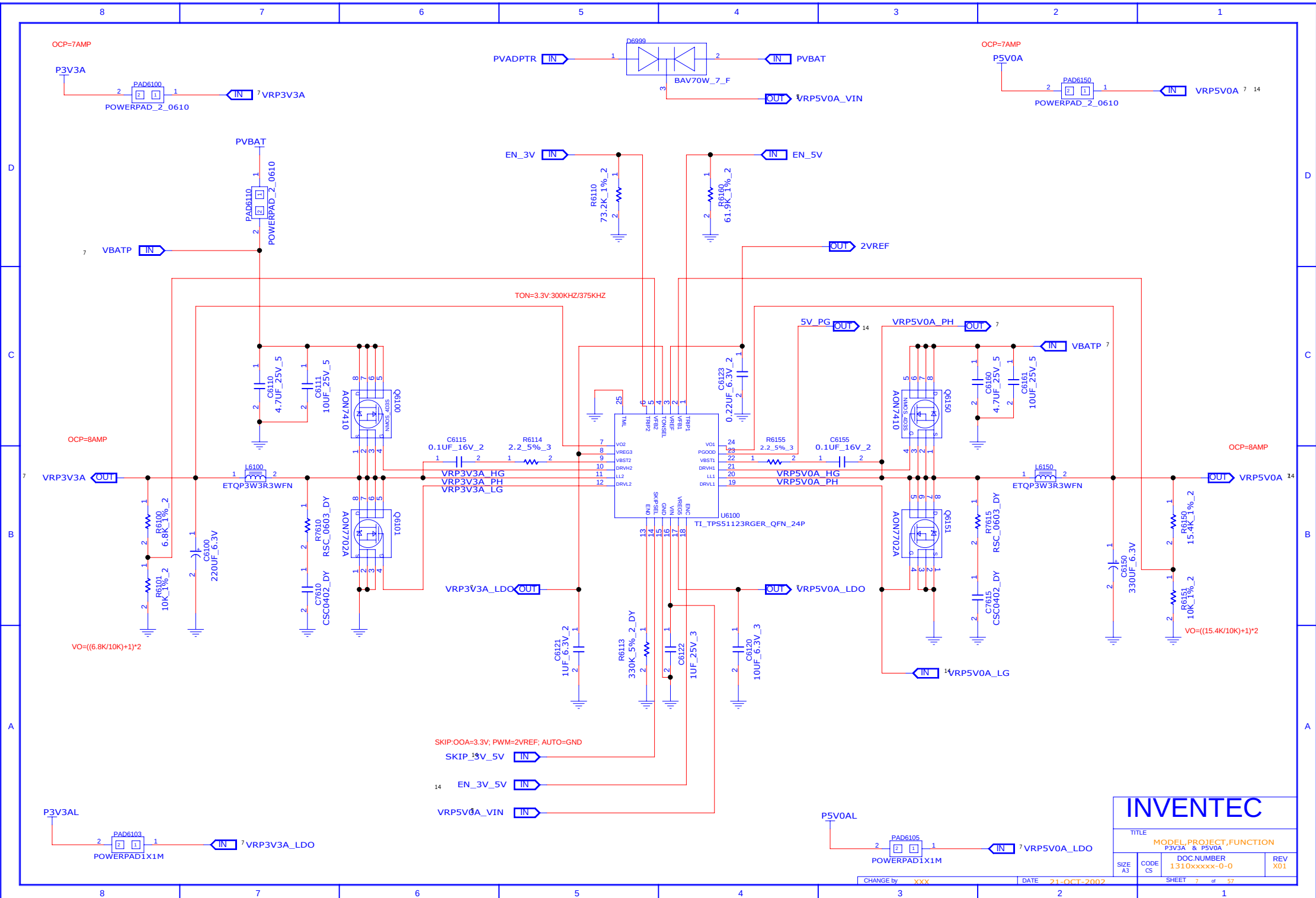
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MODEL PROJECT FUNCTION
POWER PROCEDURE

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

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D

C

B

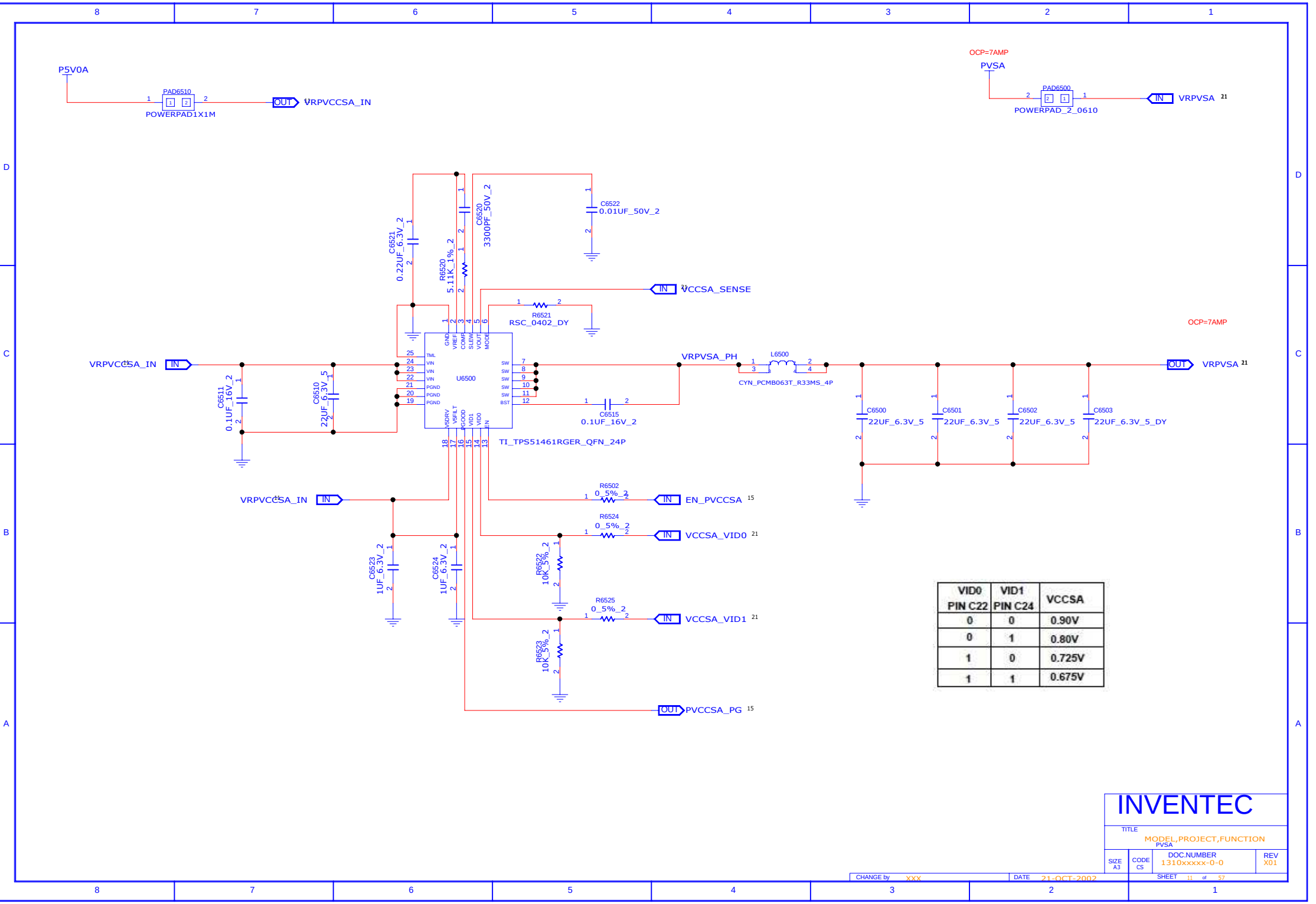
A

D

C

B

A



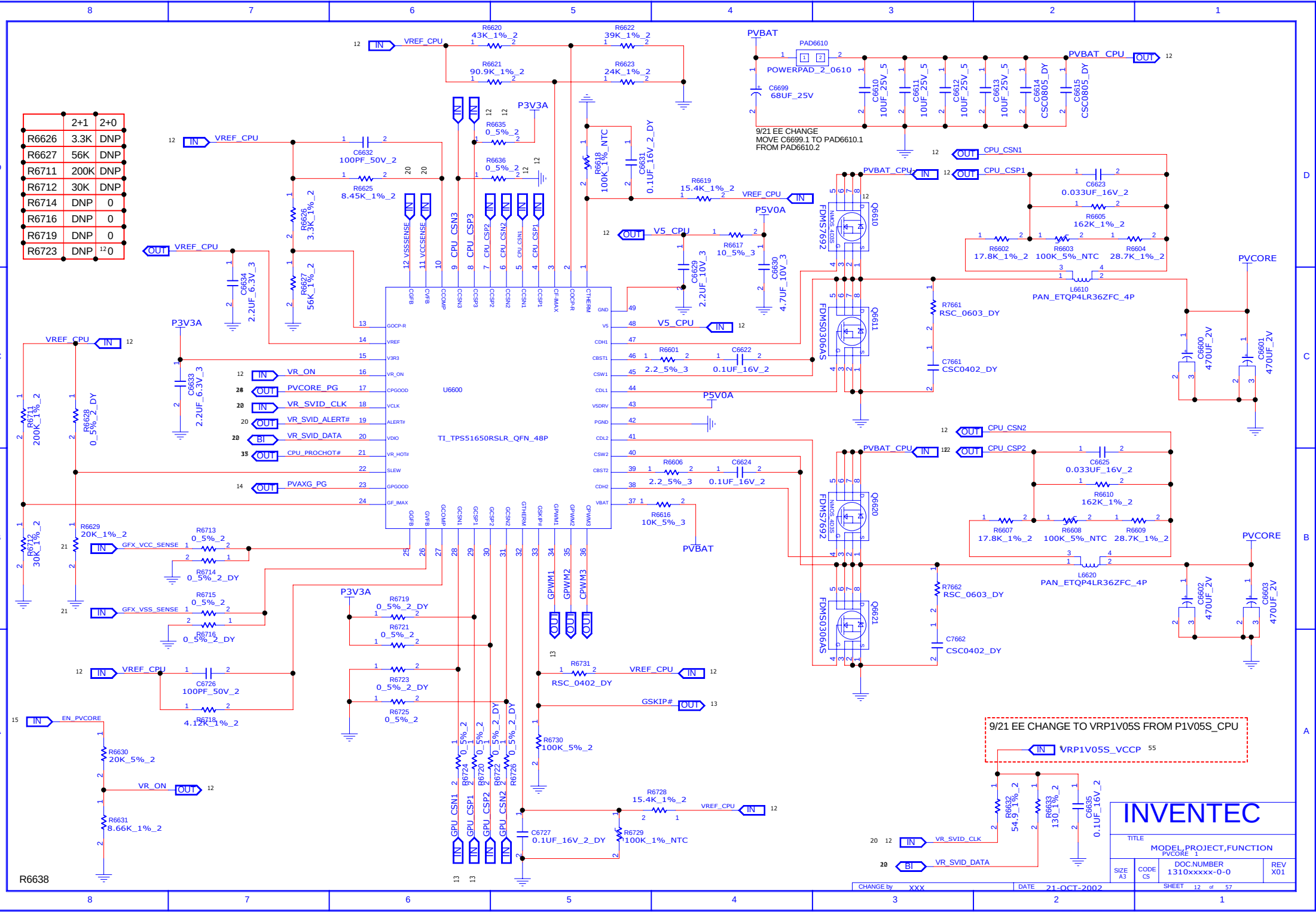
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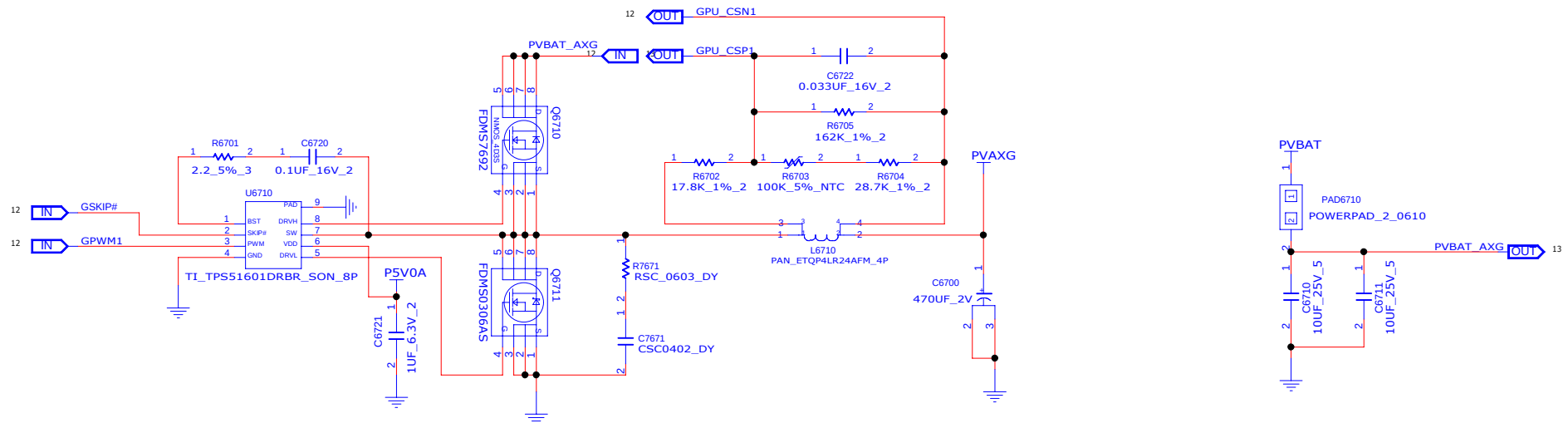
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		2+1	2+0
R6626	3.3K	DNP	
R6627	56K	DNP	
R6711	200K	DNP	
R6712	30K	DNP	
R6714	DNP	0	
R6716	DNP	0	
R6719	DNP	0	
R6723	DNP	12	0



INVENTEC			
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MODEL_PROJECT_FUNCTION			
PVCORE_1			
SIZE	CODE	DOCNUMBER	REV
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TITLE

MODEL PROJECT,FUNCTION

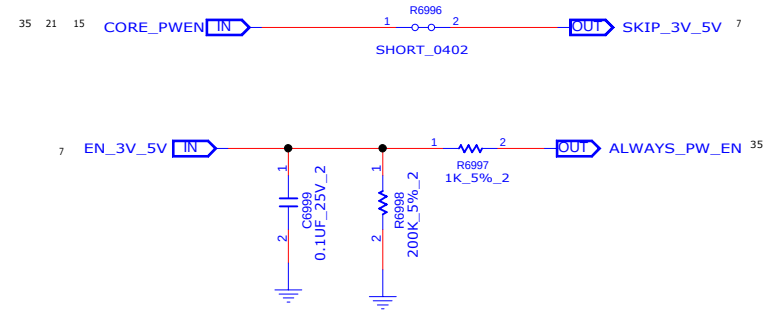
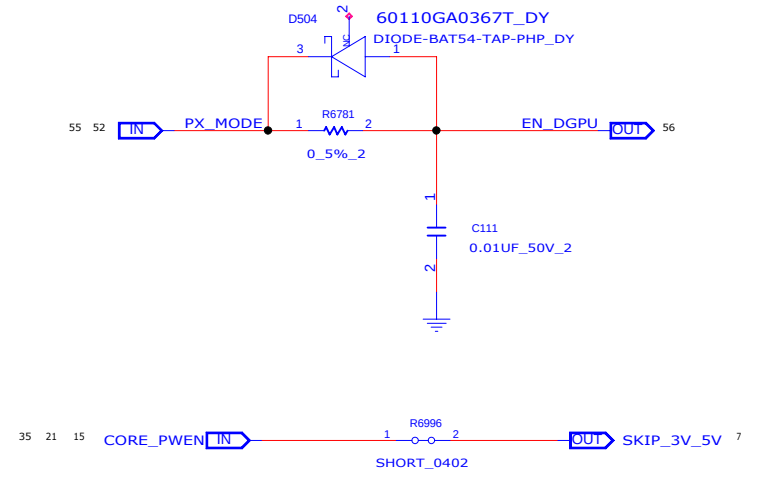
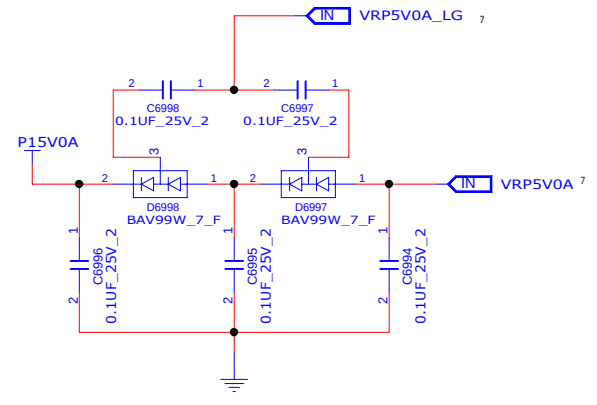
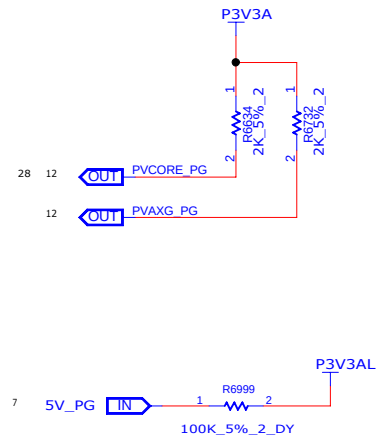
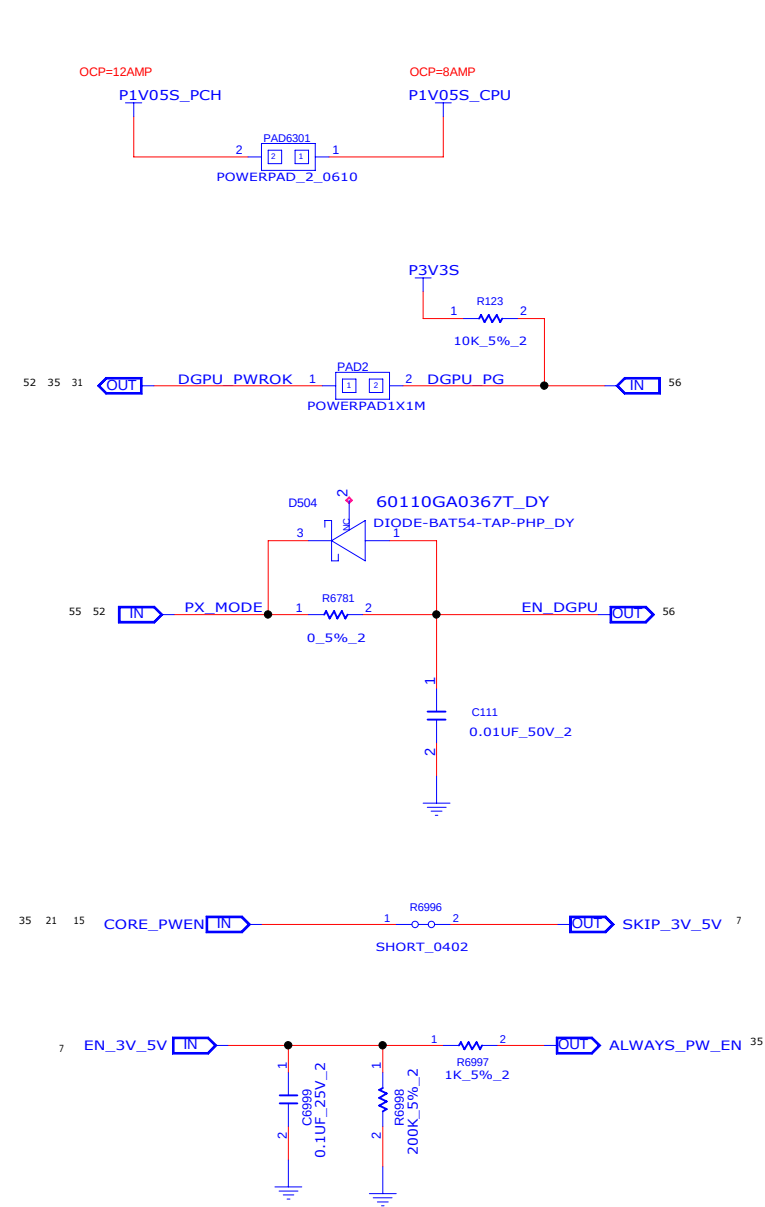
PVCORE_2

SIZE
A3

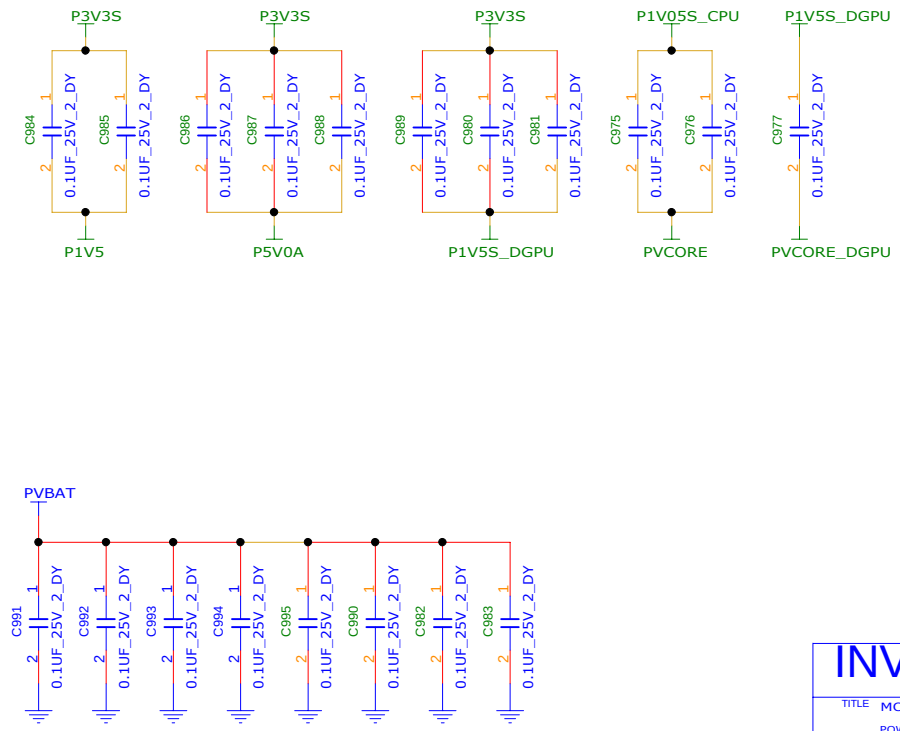
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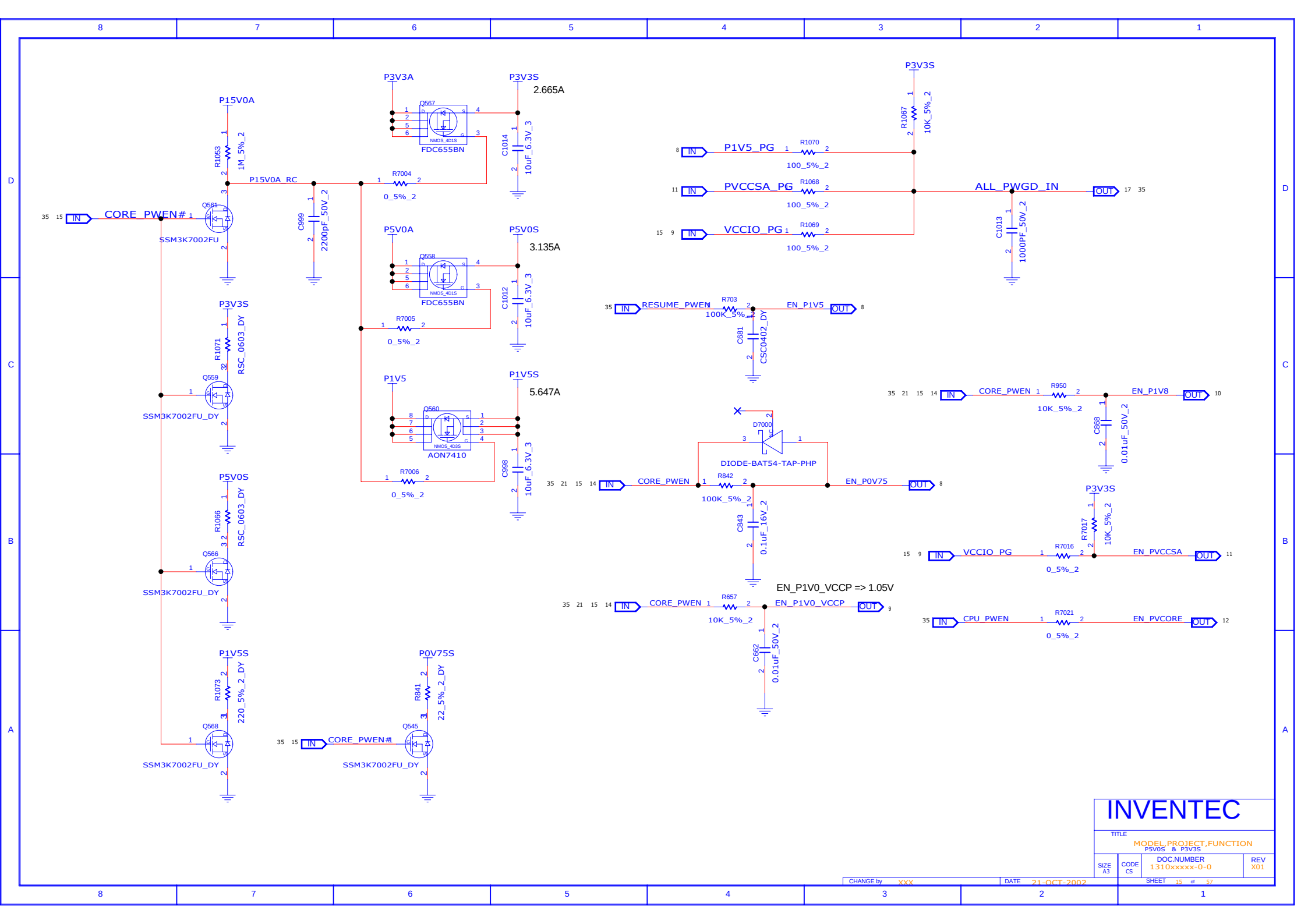
REV
X01



EMI Part



INVENTEC			
TITLE MODEL,PROJECT,FUNCTION			
POWER TO EE PORT & EMI PART			
SIZE A3	CODE CS	DOCNUMBER 1310xxxxx-0-0	REV X01
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TITLE

MODEL PROJECT,FUNCTION

SIZE
A3

CODE
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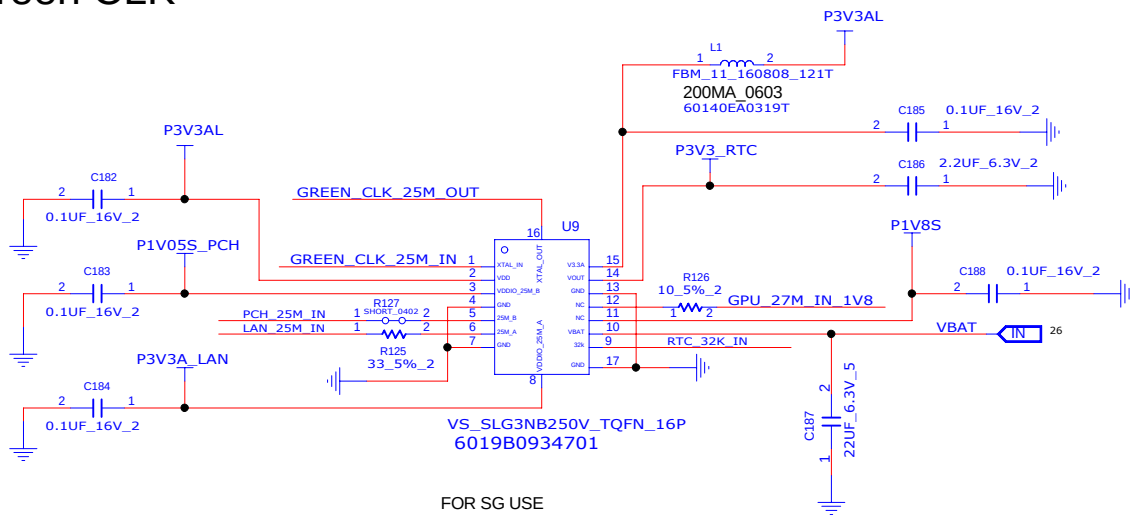
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REV
X01

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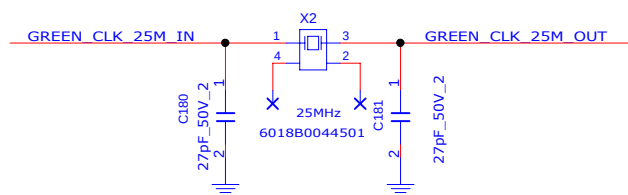
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Green CLK



FOR SG USE
SLG3NB300V SUPPORT 27MHZ
P/N : 6019B0941101

FOR UMA USE
SLG3NB250V
P/N : 6019B0934701



FOR UMA
U9 : 6019B0934701
R126 : NA
C188 : NA

FOR SG
U9 : SLG3NB300V P/N APPLY
R126 : MOUNT
C188 : MOUNT

IF USE U9 (SLG3NB250V)

MOUNT	OPEN (PAGE26)	OPEN (PAGE41)
X2	D4400	X400
R1	X501	C402
L1	R958	C403
C180		
C181		
C182		
C183	OPEN (PAGE27)	OPEN (PAGE49)
C184	X503	X1
C185	R1041	R29
C186	C962	C35
C187	C965	C36
R906 (PAGE26)		
R912 (PAGE27)		
R414 (PAGE41)		
R120 (PAGE49)		

RTC_32K_IN OUT 26
GPU_27M_IN_1V8 OUT 49
PCH_25M_IN OUT 27
LAN_25M_IN OUT 41

TYPICAL RTC_32K_IN TRACE <= 6
MAX. LENGTH <= 24

TYPICAL GPU_27M_IN TRACE <= 8
MAX. LENGTH <= 12

TYPICAL LAN_25M_IN TRACE <= 8
MAX. LENGTH <= 12

TYPICAL LAN_25M_IN TRACE <= 8
MAX. LENGTH <= 12

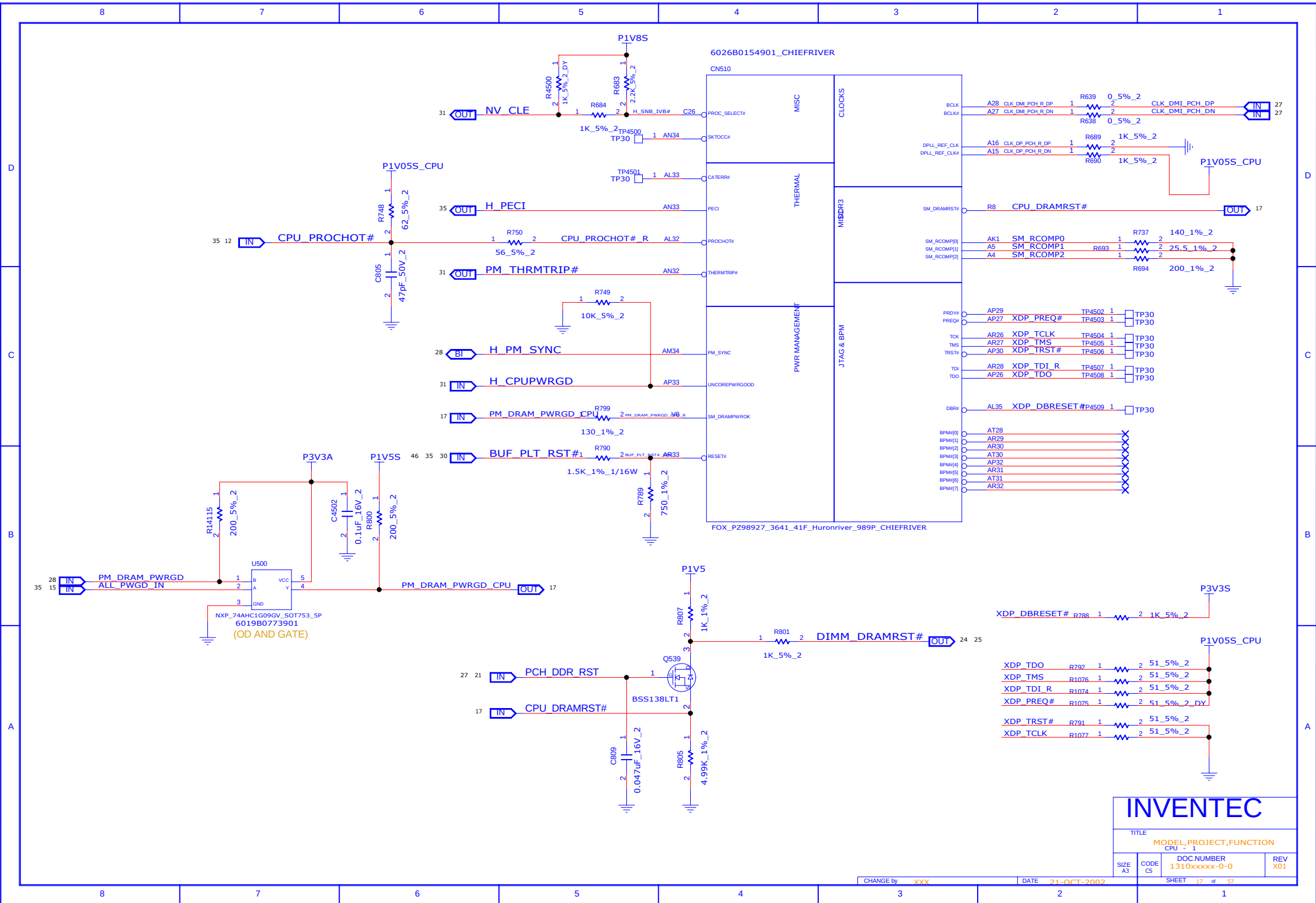
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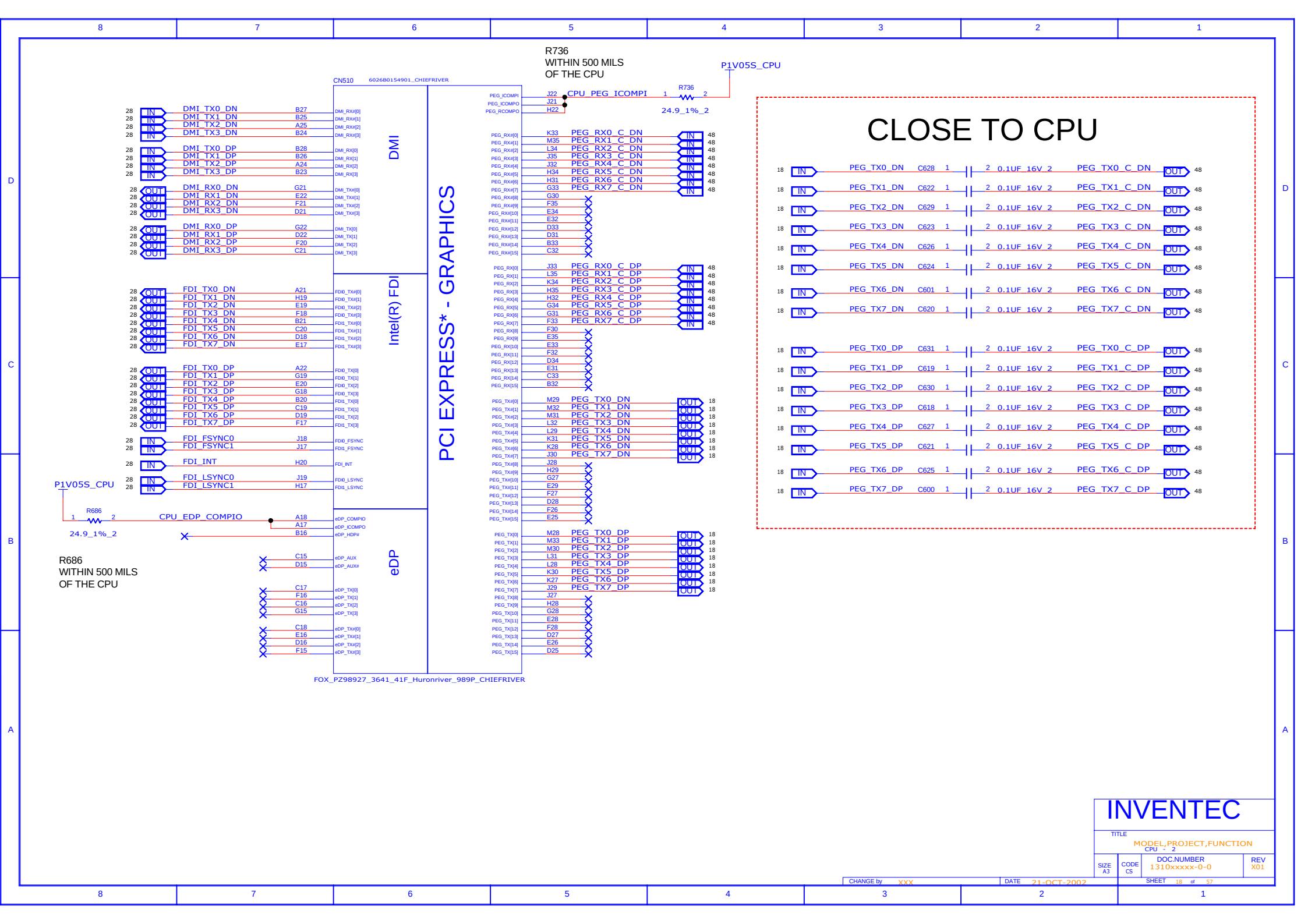
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GREEN_CLK SLG3NB250

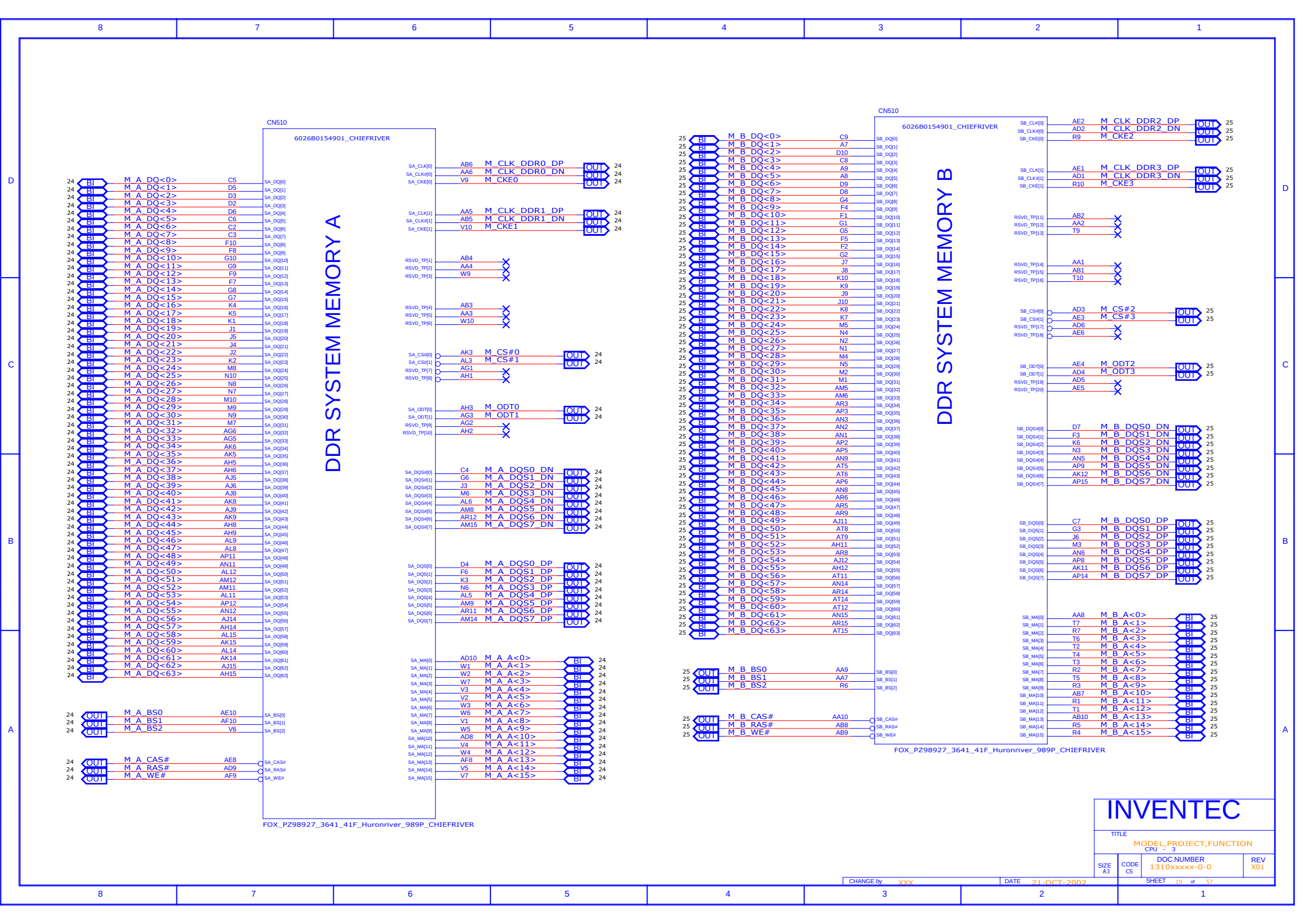
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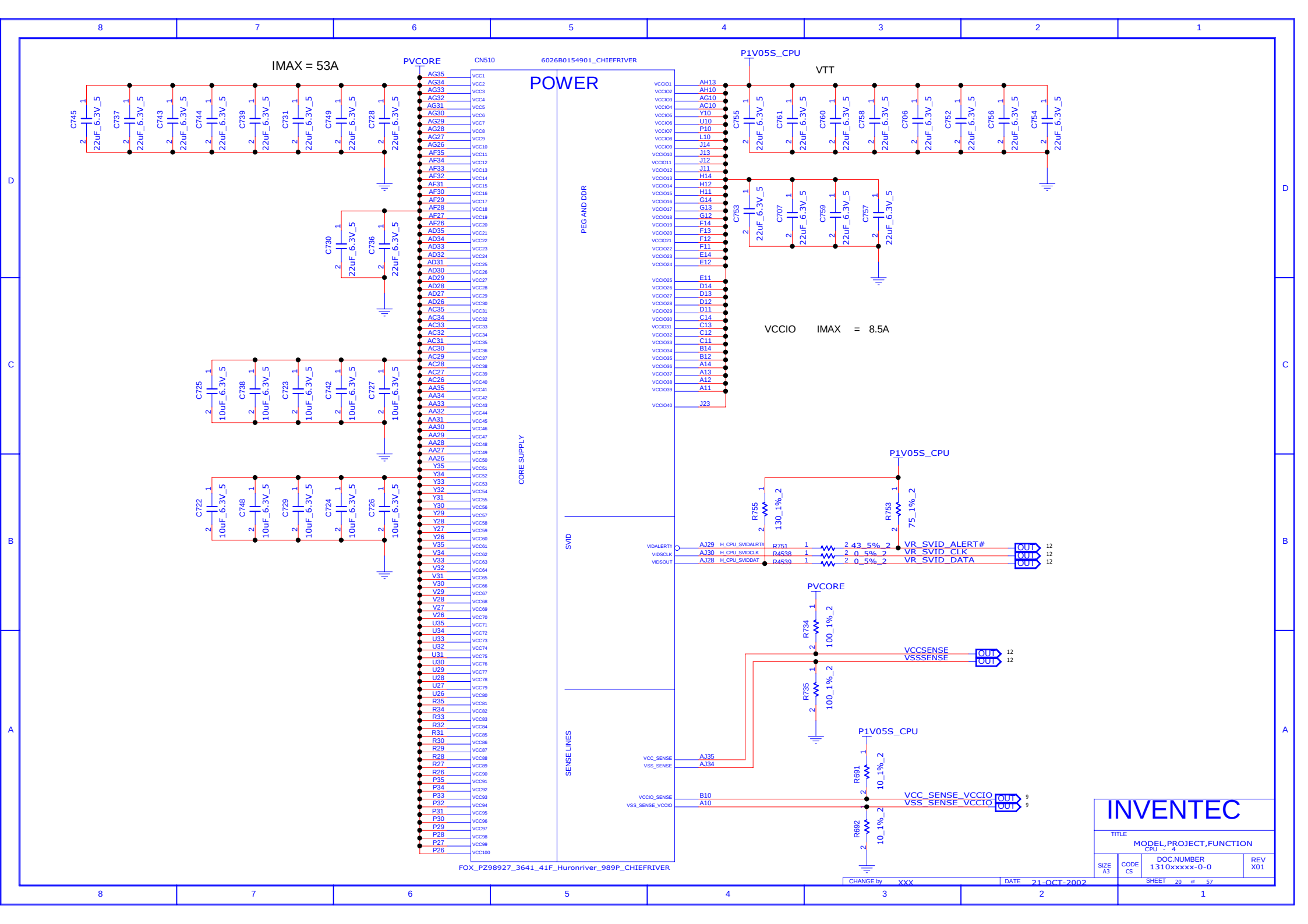


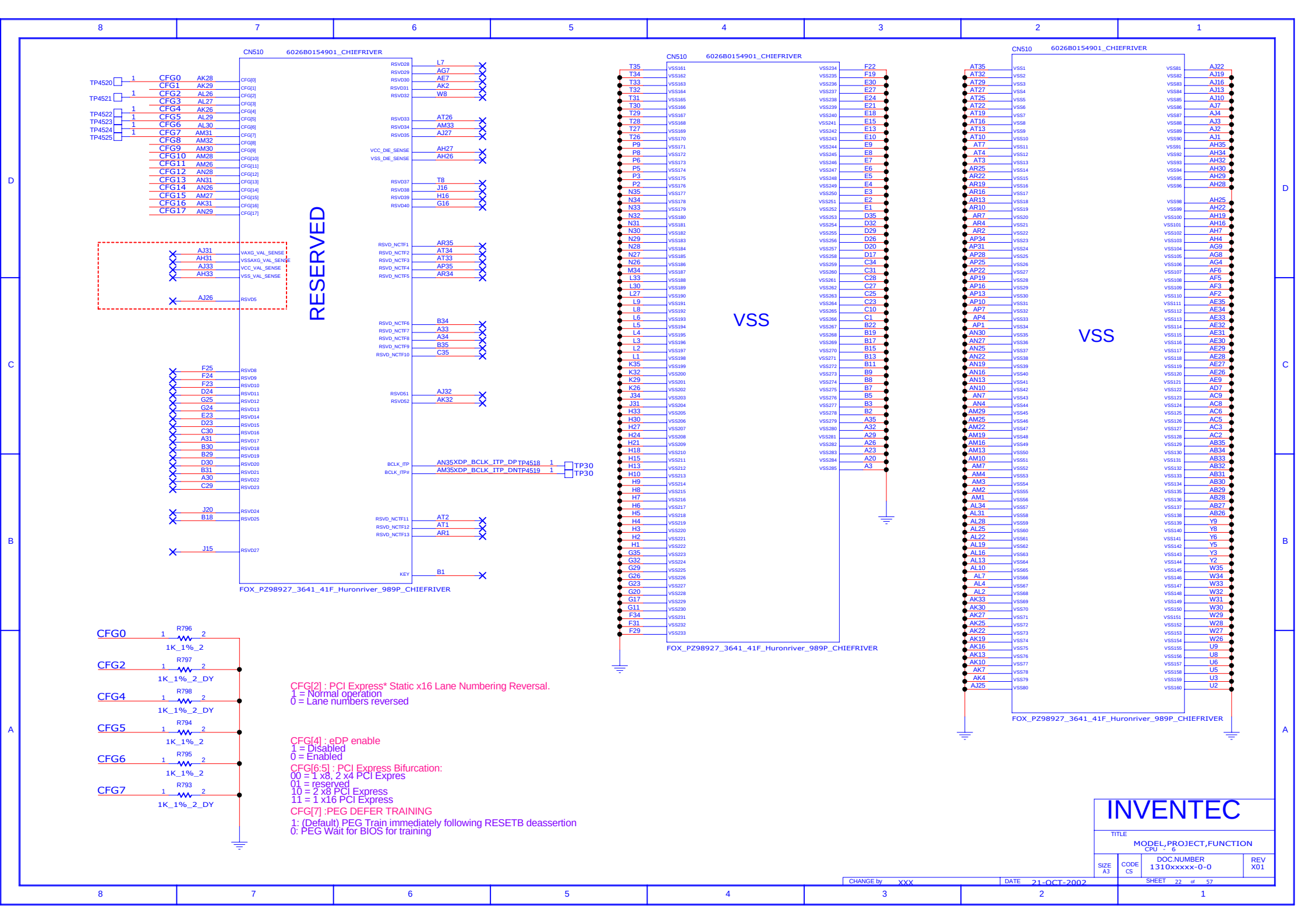
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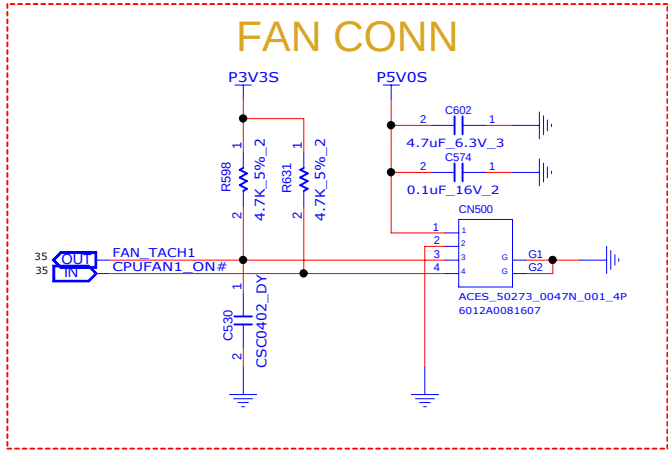
TITLE
MODEL,PROJECT,FUNCTION

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

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7.2.5 Register : Local Diode Temperature Alert Temperature

Location : Read = Address 05h Write = Address 0Bh

Type : Read/Write

Power on default value : Hardware strapping.

BIT	7	6	5	4	3	2	1	0
NAME	LDT Alert Temperature							
VALUE	SIGN	64	32	16	8	4	2	1
DEFAULT	Hardware strapping							

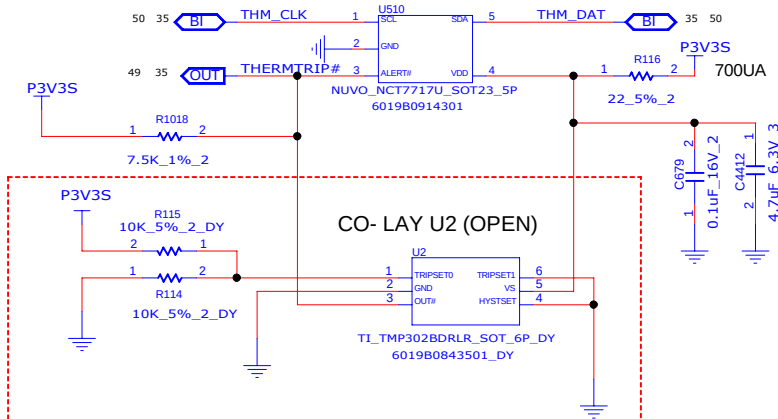
6.6 ALERT# point hardware power-on setting

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

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

THERMAL SENSOR(LOCAL)

NCT7717U I2C / SMBus address is 1001000xb (x is R/W bit).



TMP302 Available Versions⁽¹⁾

DEVICE	SELECTABLE TRIP POINTS (°C)
TMP302A	50, 55, 60, 65
TMP302B	70, 75, 80, 85
TMP302C	90, 95, 100, 105
TMP302D	110, 115, 120, 125

(1) For other available trip points, please contact a TI representative.

Table 1. Trip Point vs TRIP_{SET1} and TRIP_{SET0}

TRIP _{SET1}	TRIP _{SET0}	TMP302A	TMP302B	TMP302C	TMP302D
GND	GND	+50°C	+70°C	+90°C	+110°C
GND	V _S	+55°C	+75°C	+95°C	+115°C
V _S	GND	+60°C	+80°C	+100°C	+120°C
V _S	V _S	+65°C	+85°C	+105°C	+125°C

Table 2. HYST_{SET} Window

HYST _{SET}	THRESHOLD HYSTERESIS
GND	+5°C
V _S	+10°C

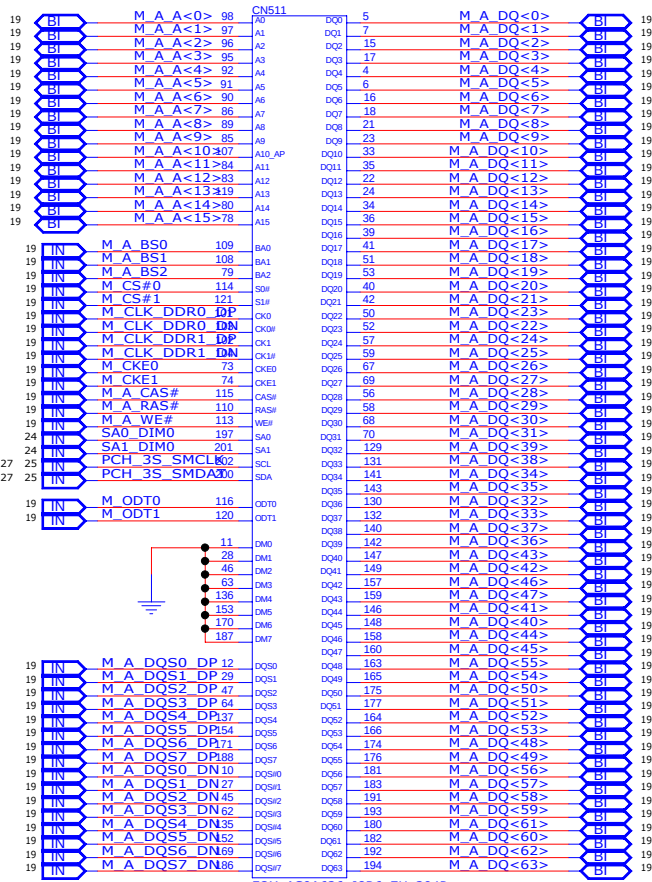
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TITLE MODEL PROJECT,FUNCTION

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

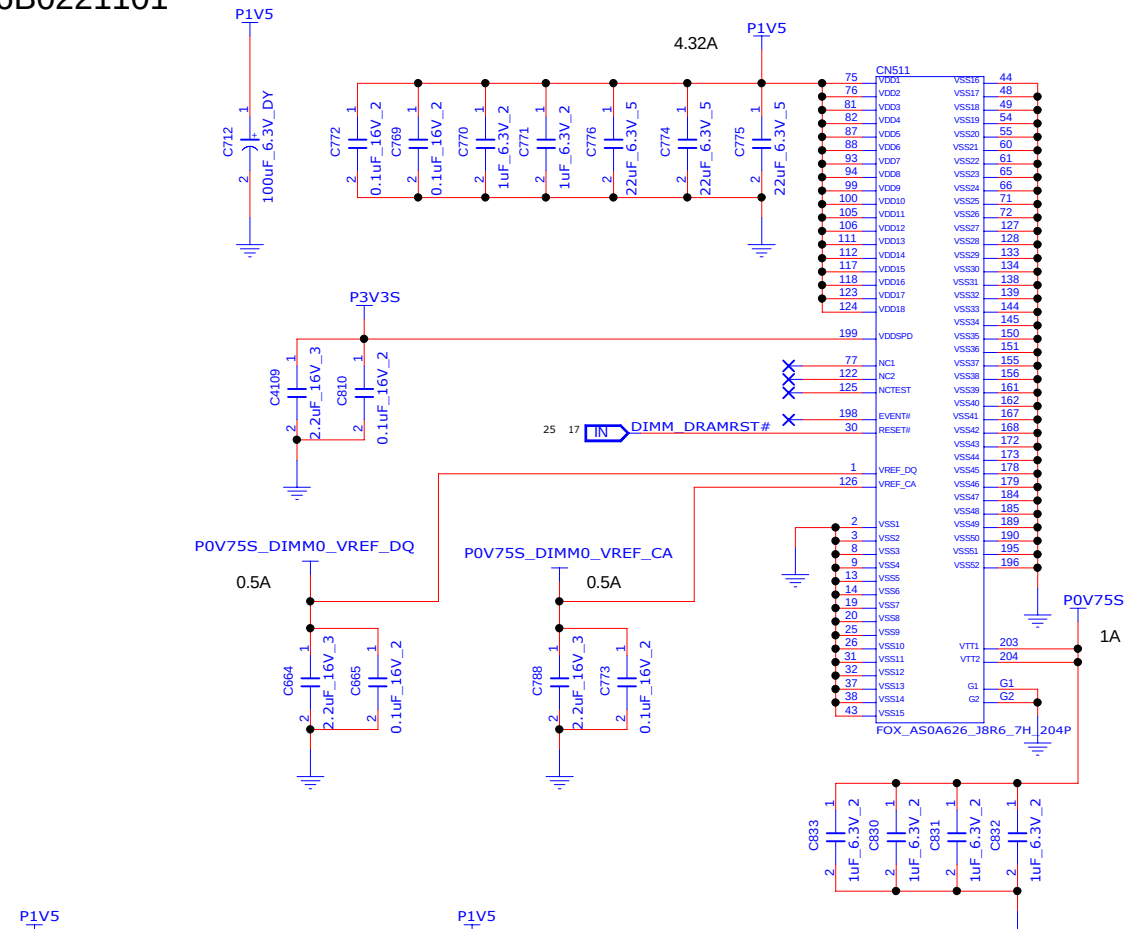
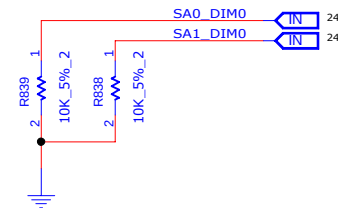
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DDR3 (8mm) P/N : 6026B0221101



FOX_AS0A626_18R6_7H_204P

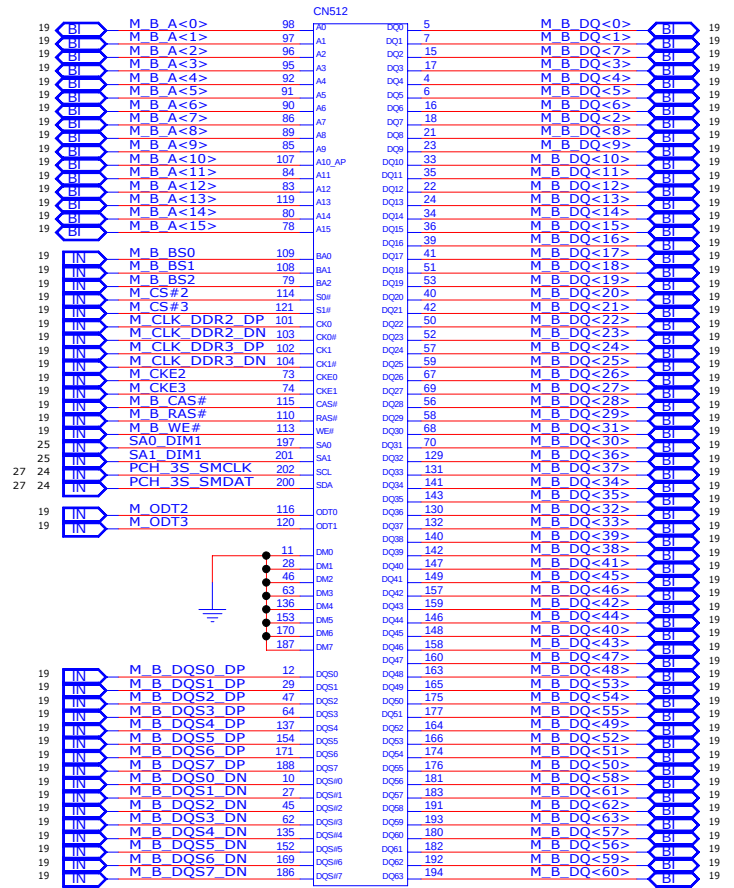
Note :
SO-DIMMA SPD Address is 0xA0
SO-DIMMA TS Address is 0x30



SANDY BRIDGE + IVY BRIDGE DG4.14

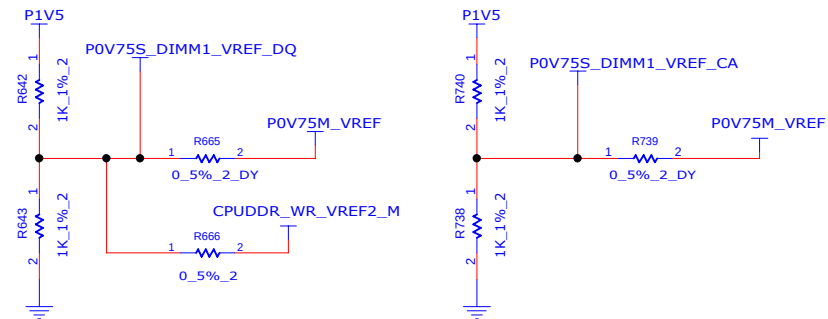
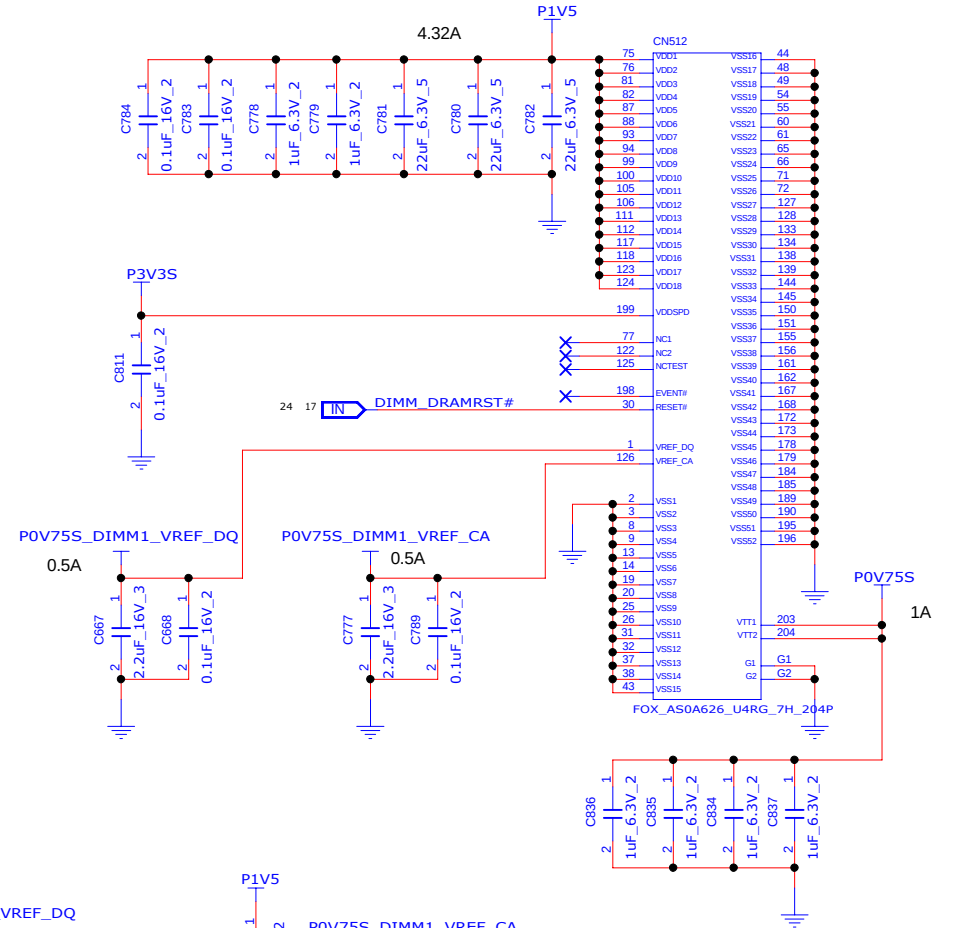
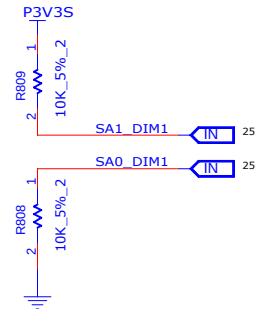
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TITLE				
MODEL,PROJECT,FUNCTION				
DDR3 - 1				
SIZE	CODE	DOC.NUMBER		REV
A3	CS	1310xxxxx-0-0		X01
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DDR3 (4mm) P/N : 6026B0221601



FOX_AS0A626_U4RG_7H_204P

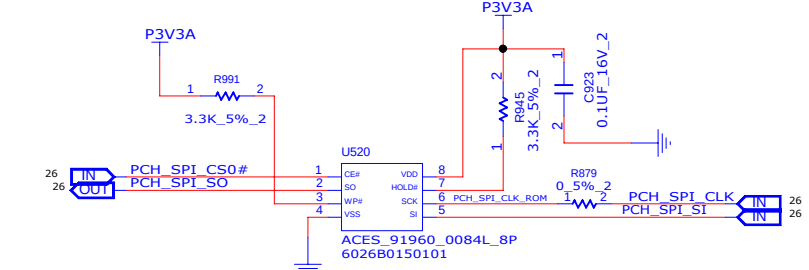
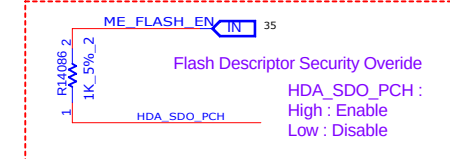
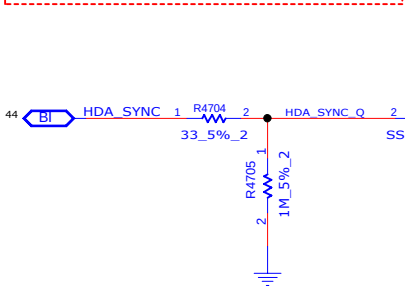
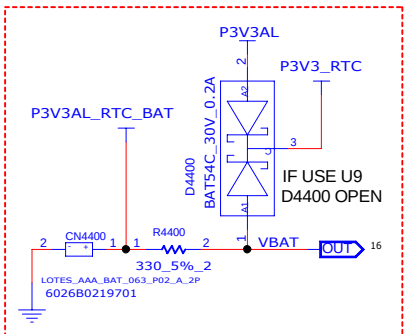
Note :
SO-DIMMA SPD Address is 0xA4
SO-DIMMA TS Address is 0x34



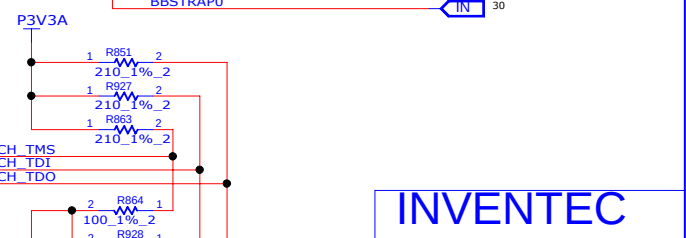
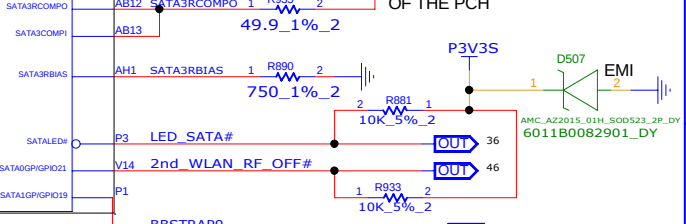
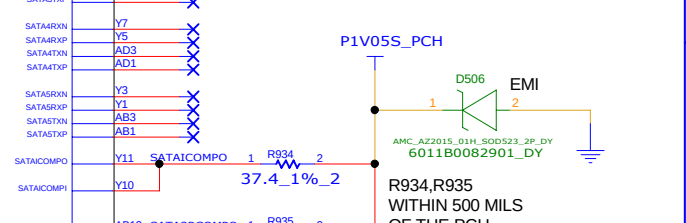
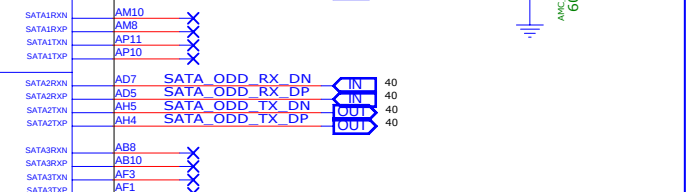
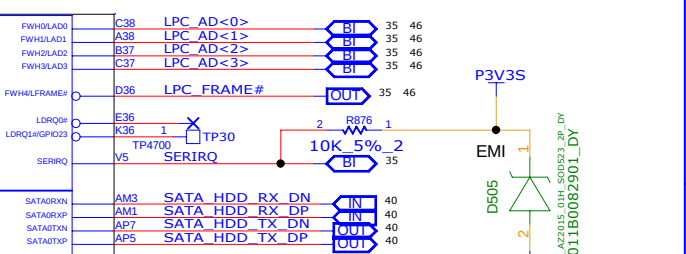
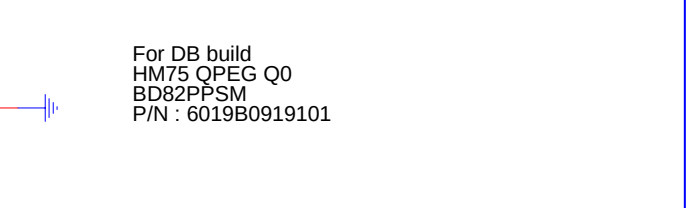
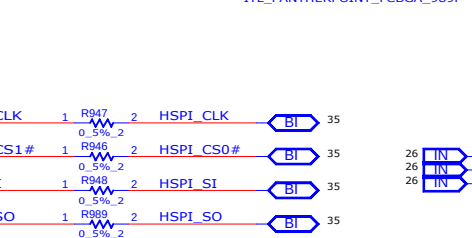
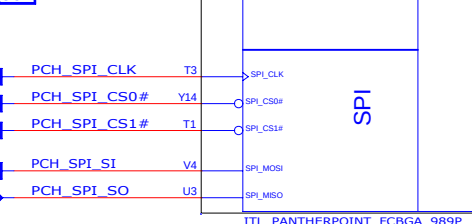
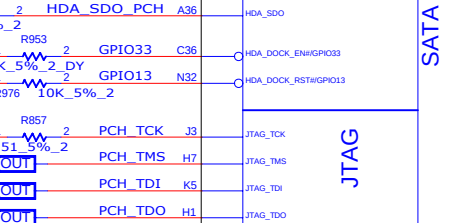
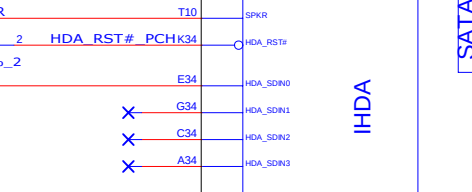
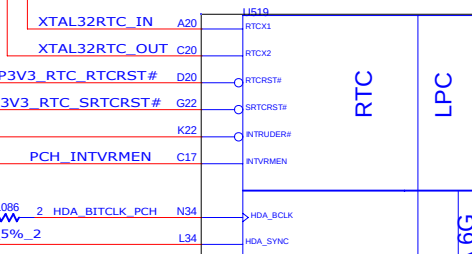
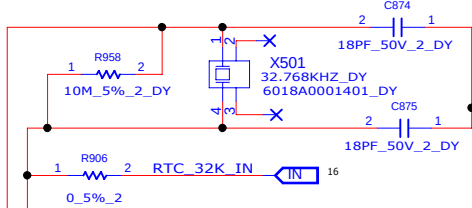
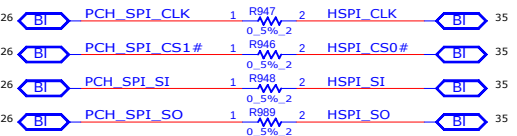
SANDY BRIDGE + IVY BRIDGE DG4.14

INVENTEC

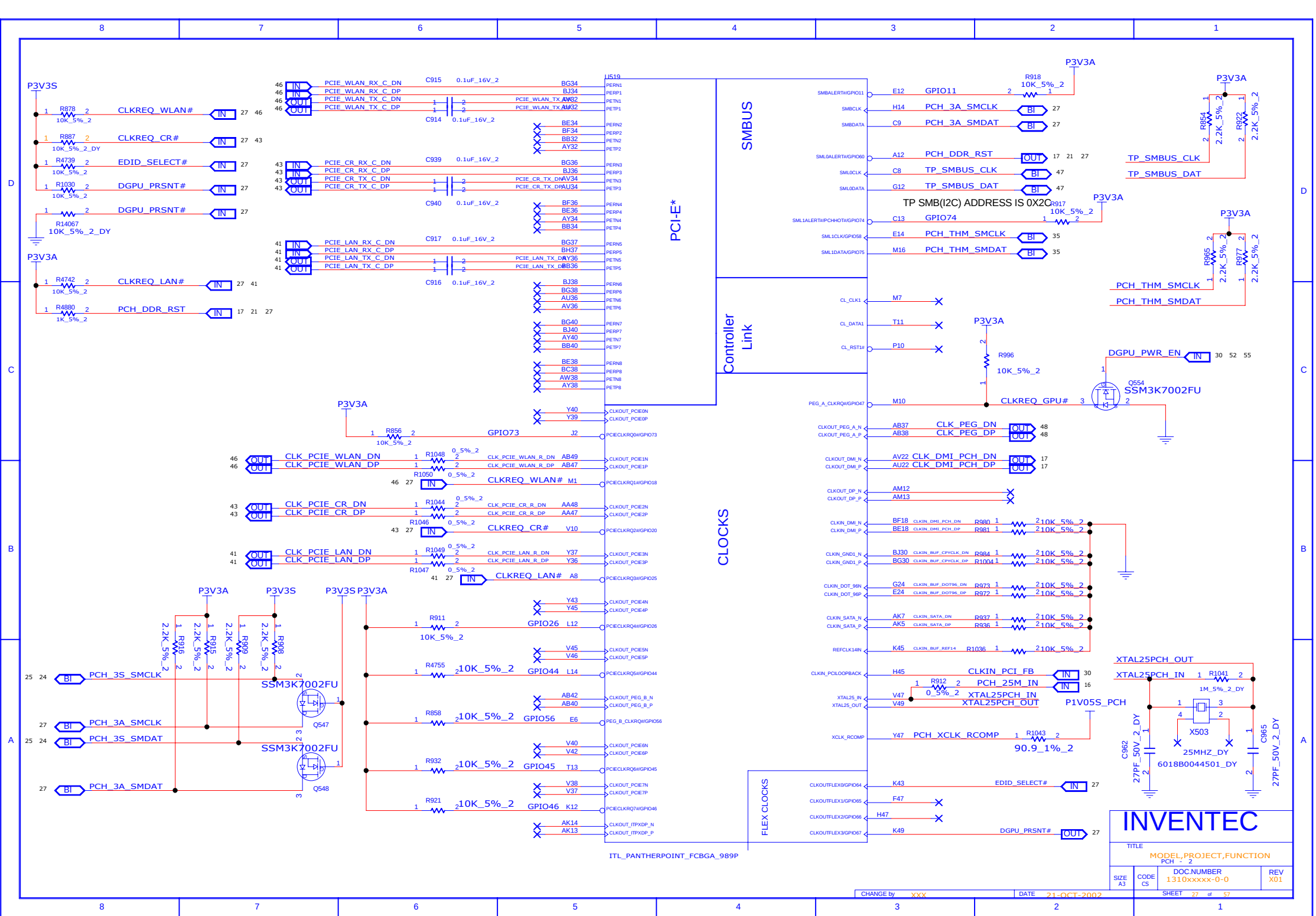
TITLE			
MODEL,PROJECT,FUNCTION			
DDR3			
SIZE	CODE	DOCNUMBER	REV
A3	CS	1310xxxxx-0-0	X01

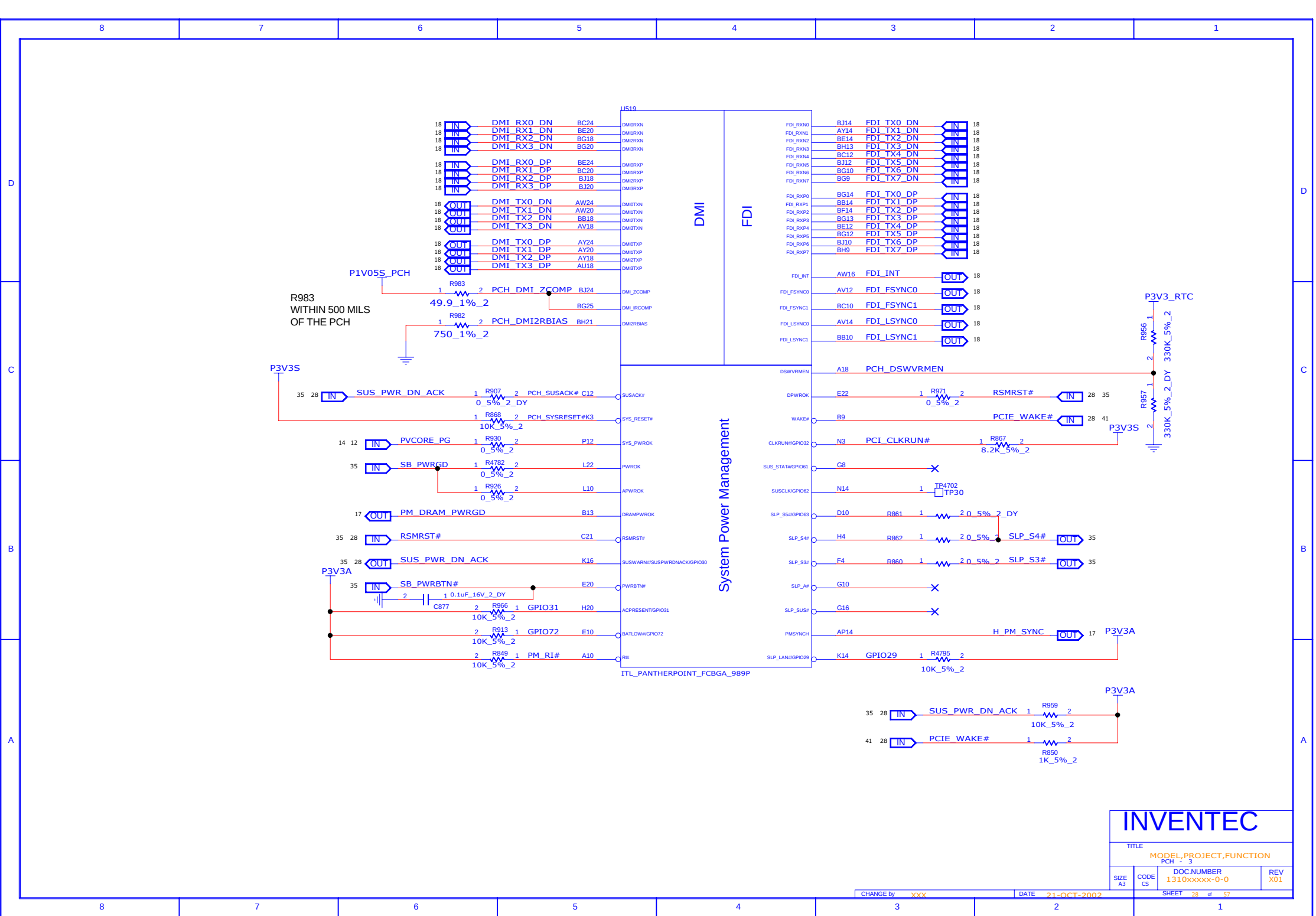


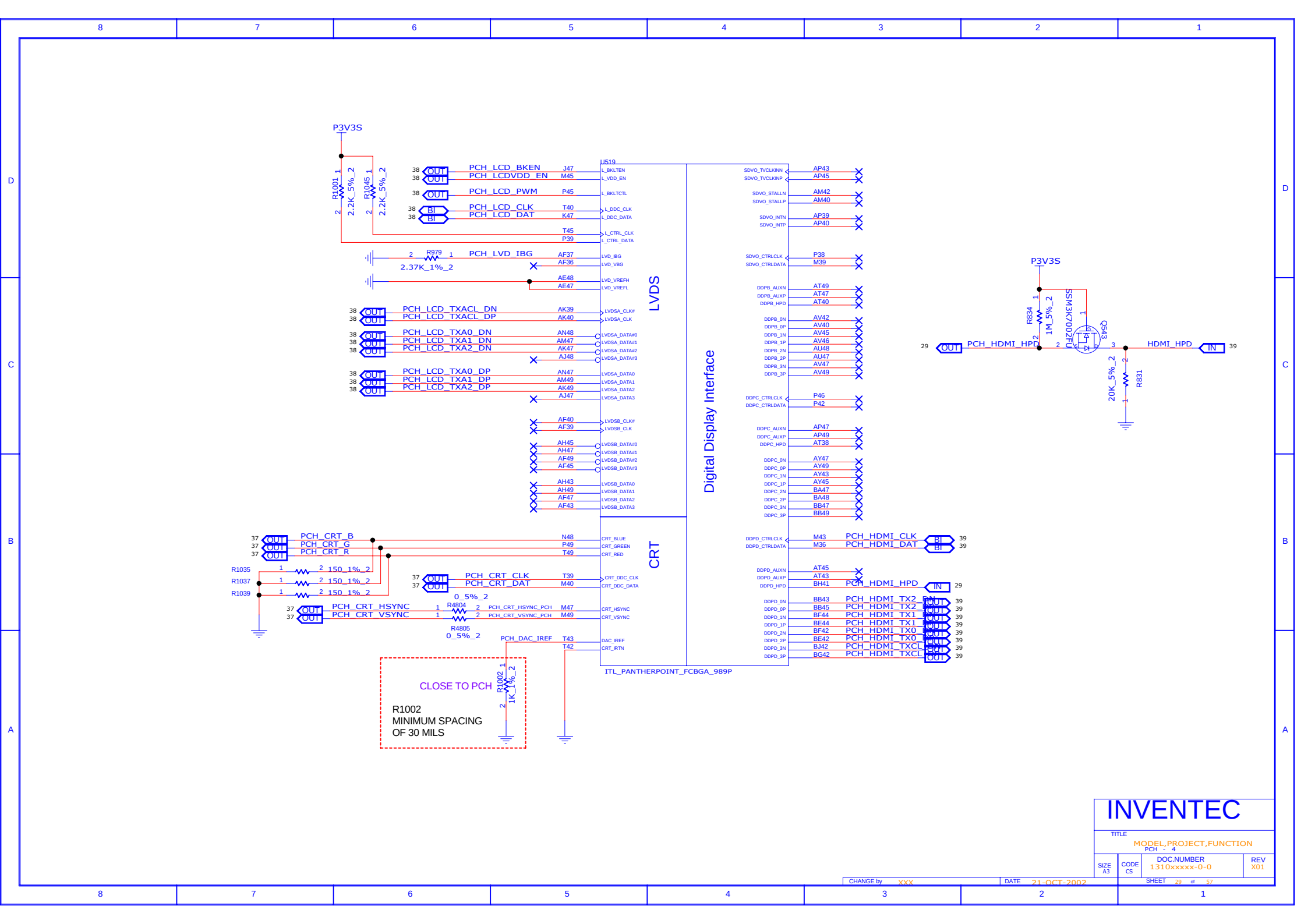
BIOS ROM 4MB (BIOS & EC ROM VENDOR MUST SAME)
MXIC_MX25L3206EM2I-12G P/N : 6019B0794701
WINBOND_W25Q32BVSSIG P/N : 6019B0704901

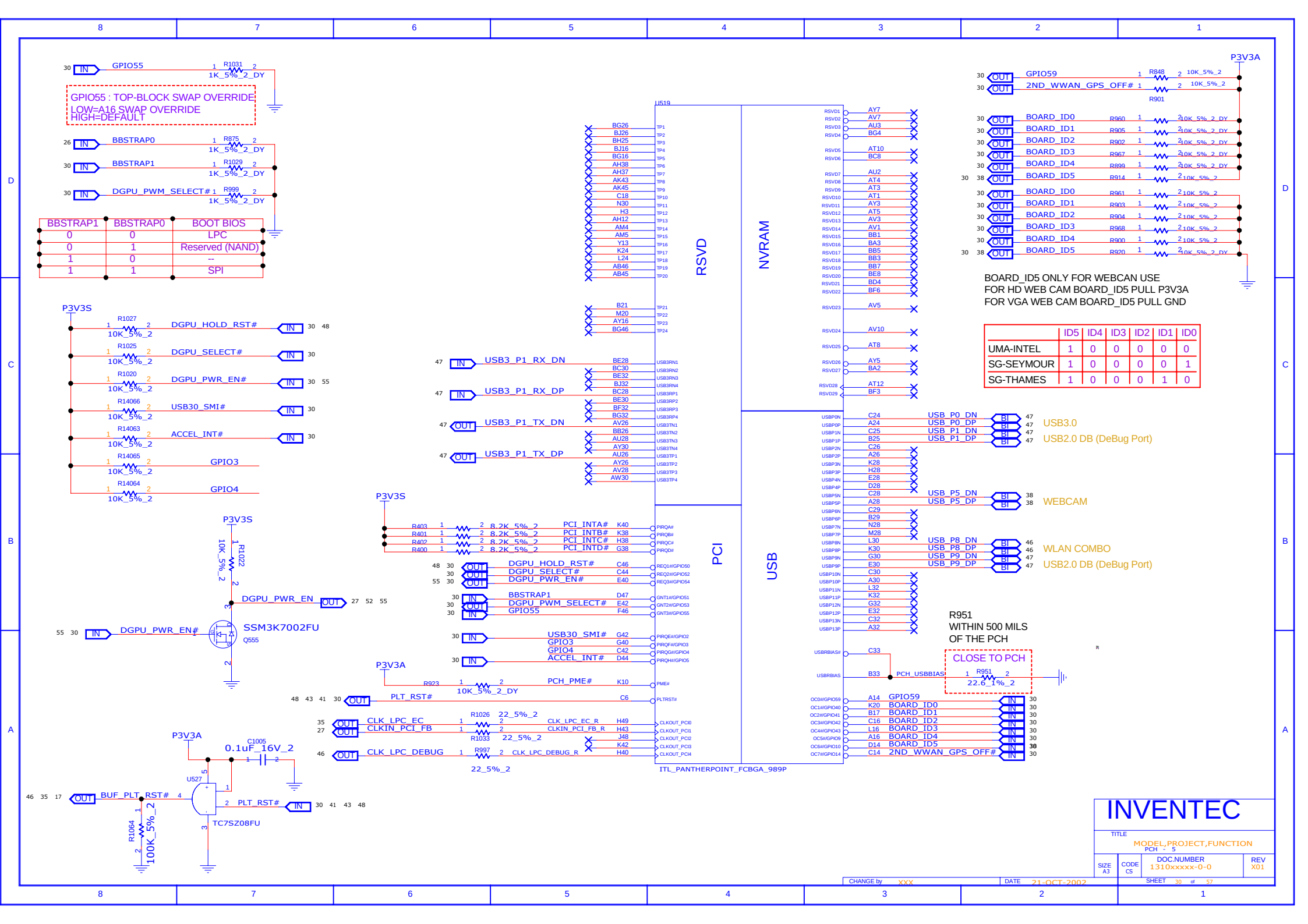


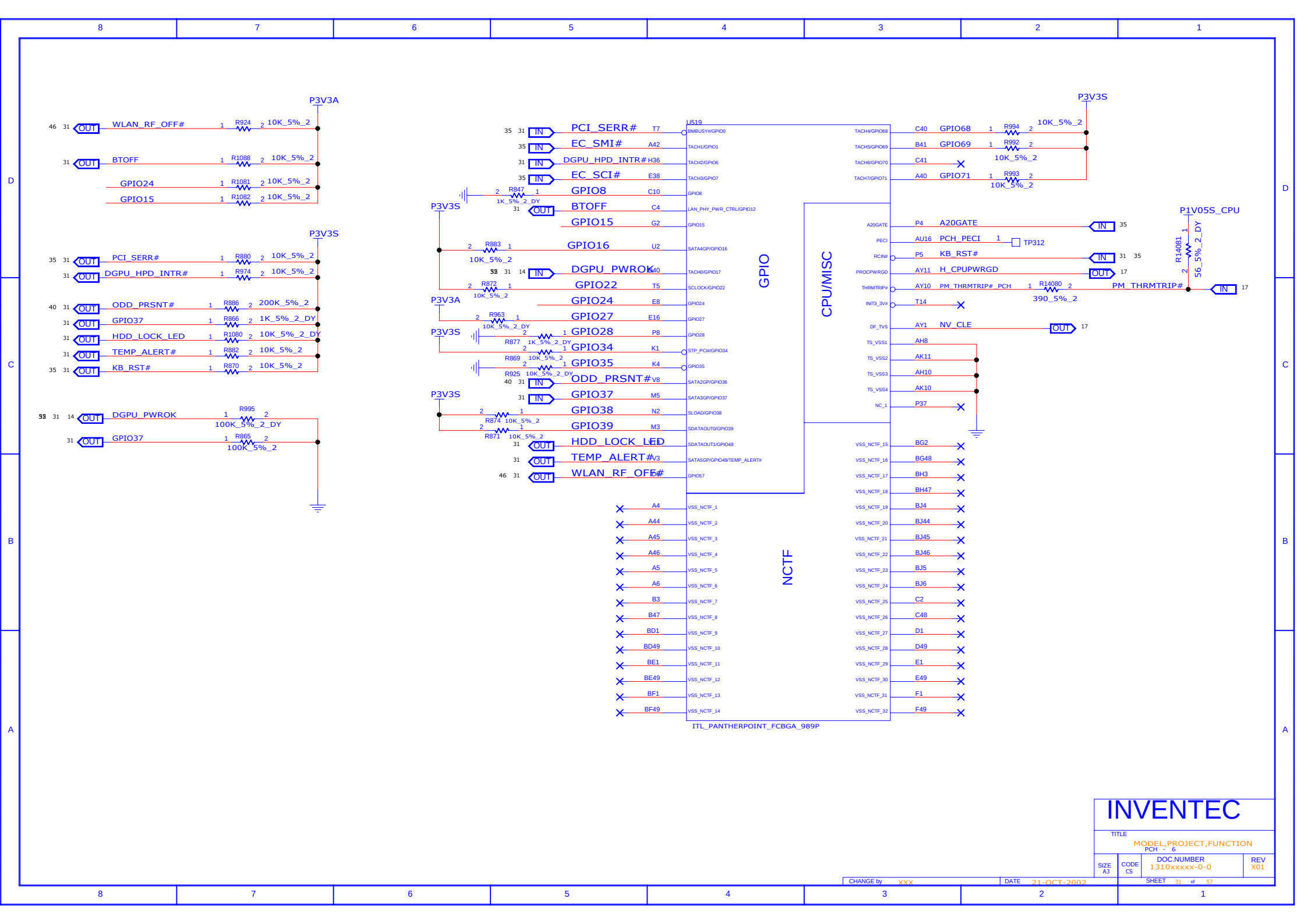
INVENTEC			
TITLE			
MODEL,PROJECT,FUNCTION			
PCH 1			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01











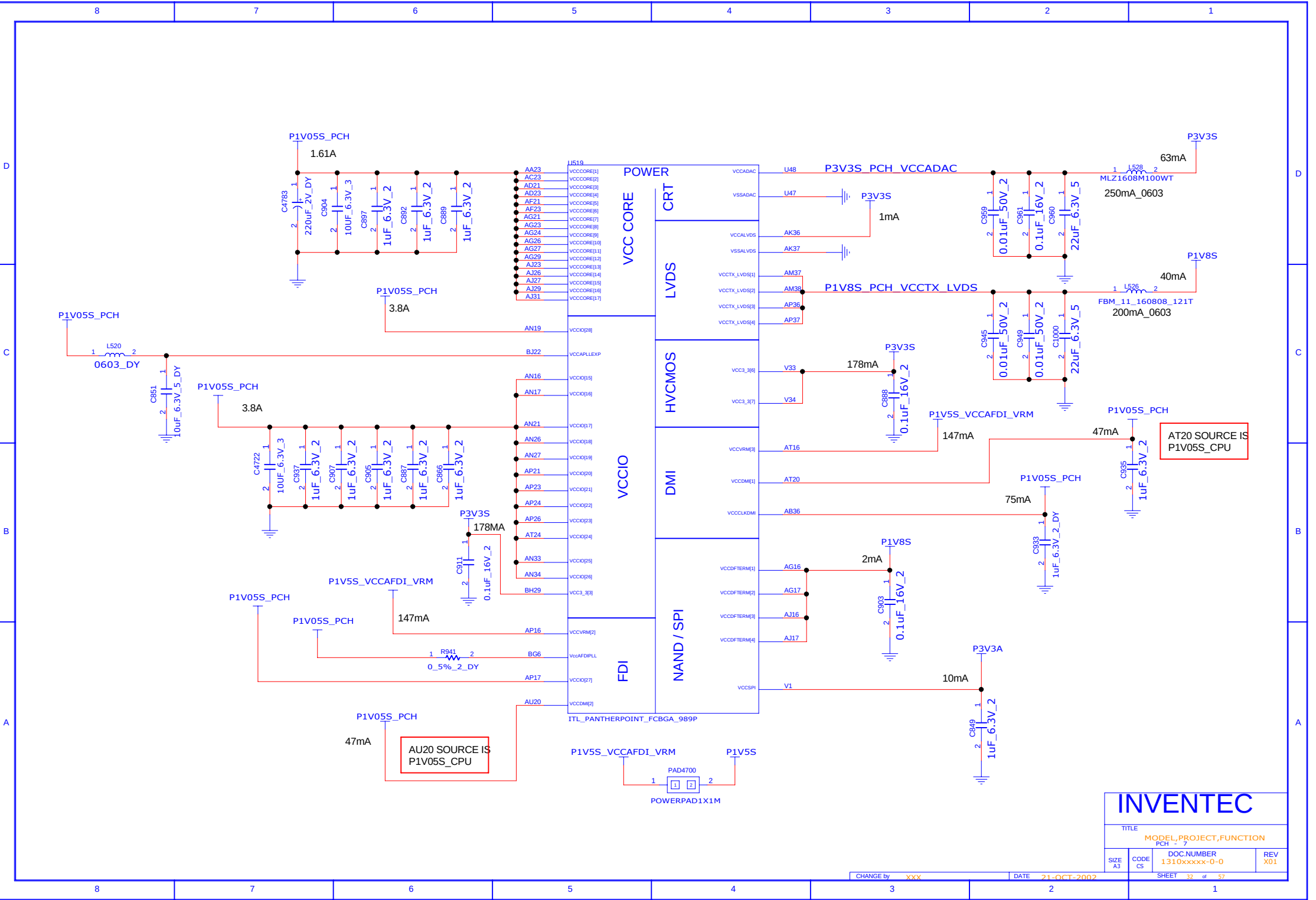
INVENTEC

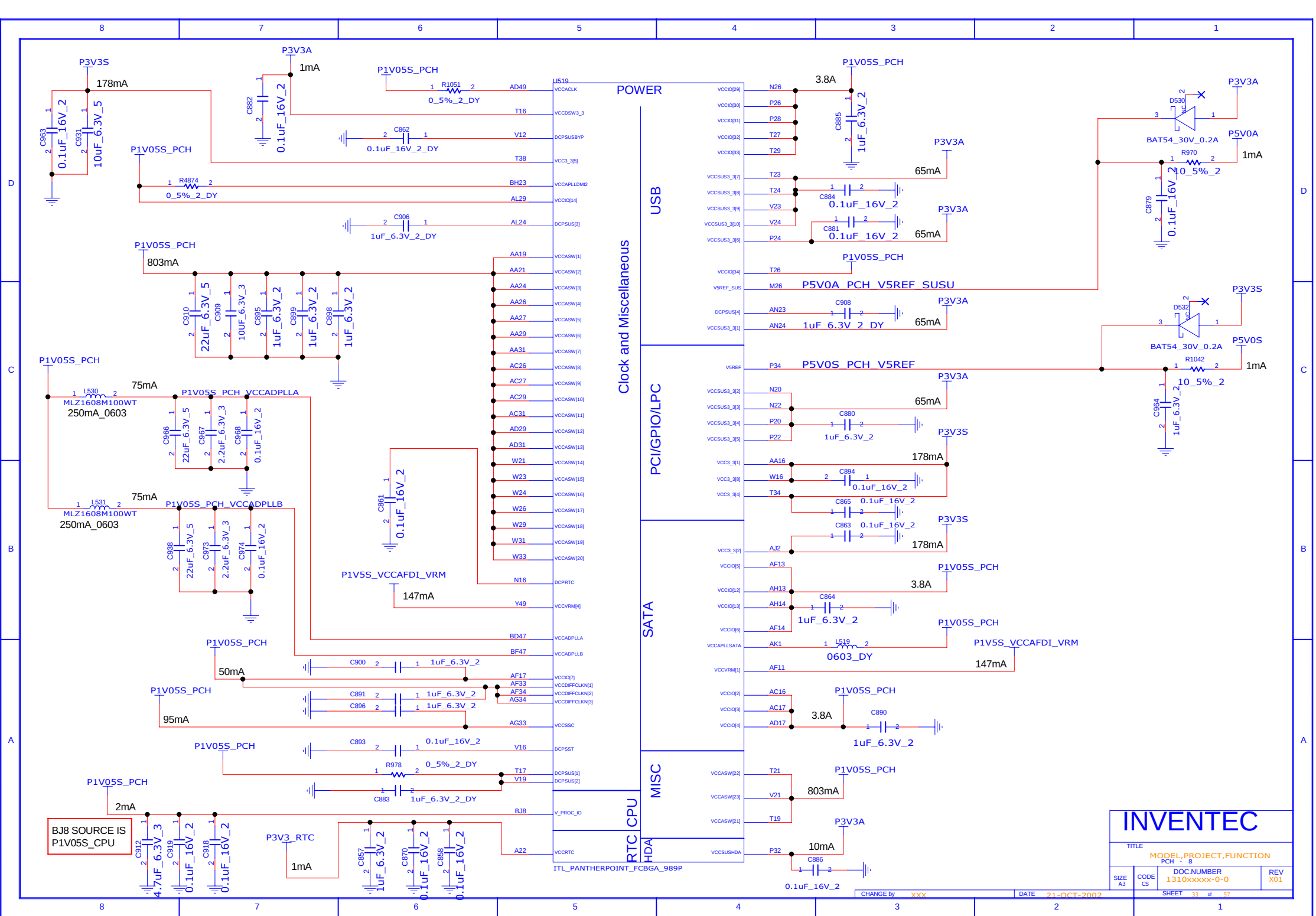
TITLE
MODEL,PROJECT,FUNCTION
PCH : 6

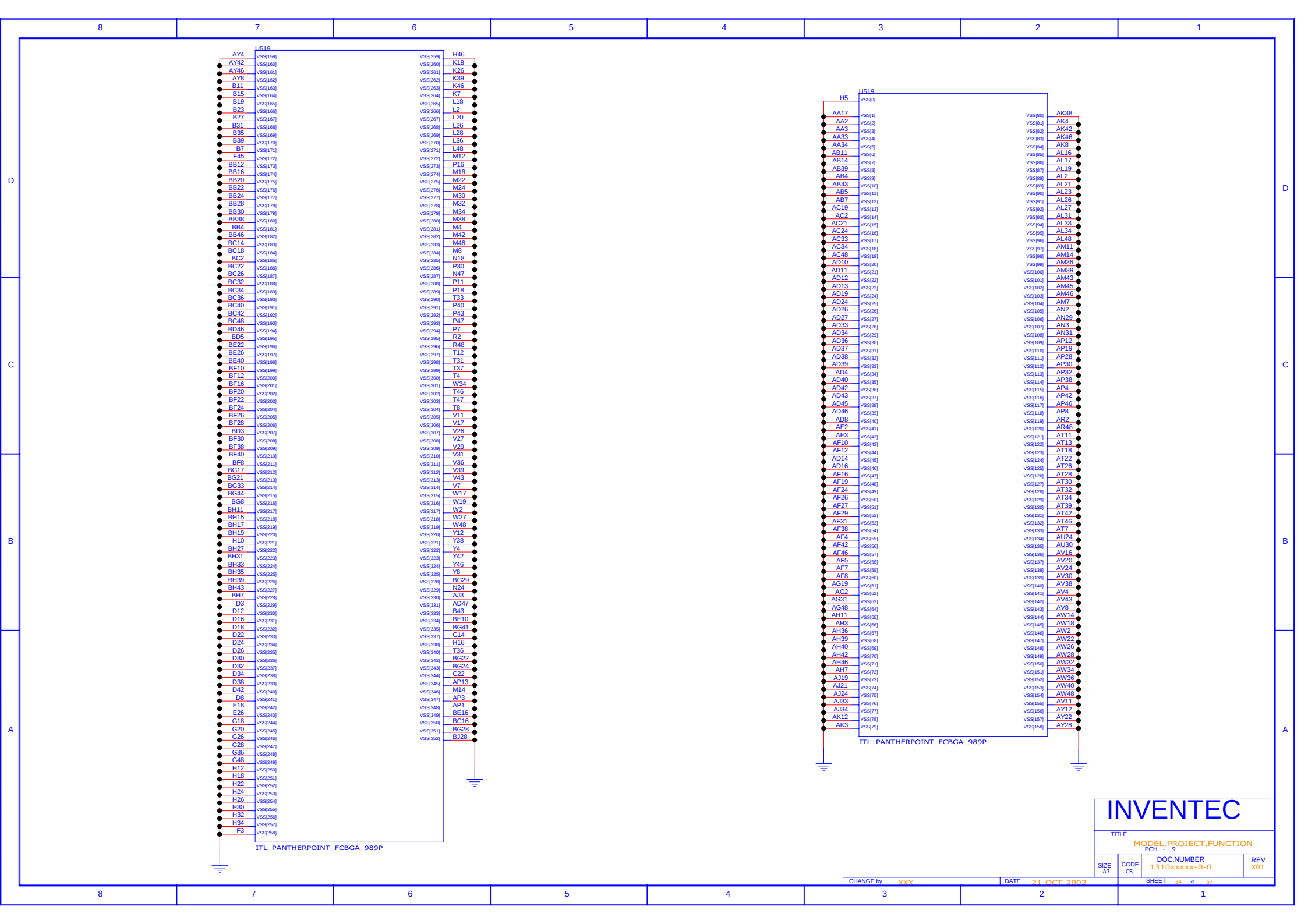
SIZE A3 CODE CS DOC NUMBER 1310xxxxx-0-0 REV X01

CHANGE by XXX DATE 21-OCT-2002

SHEET 31 of 57







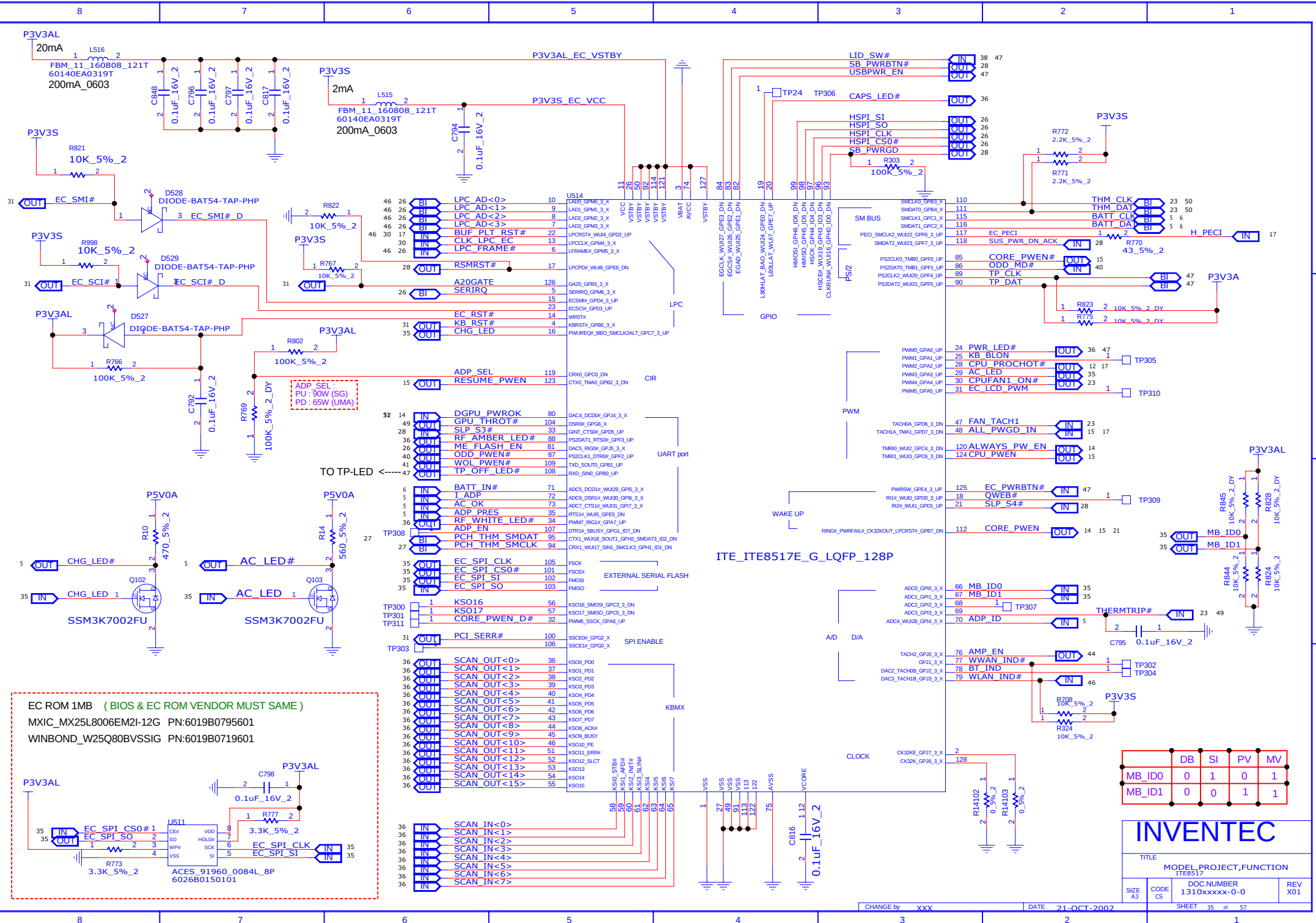
INVENTEC

TITLE
MODEL,PROJECT,FUNCTION
PCH 9

SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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SHEET 34 of 57

CHANGE by XXX DATE 21-OCT-2002

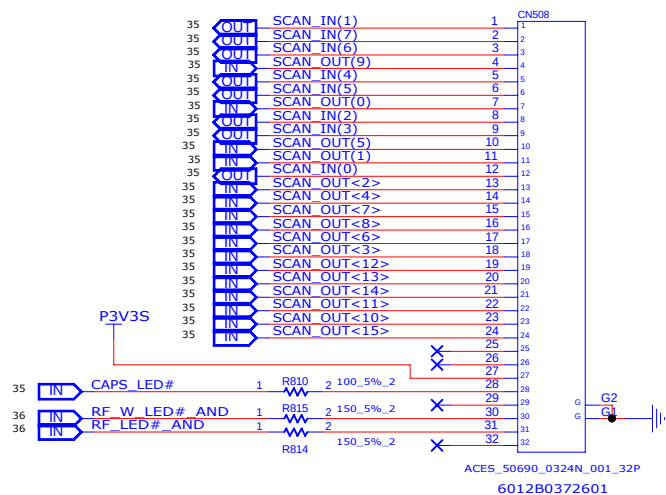


	DB	SI	PV	MV
MB_ID0	0	1	0	1
MB_ID1	0	0	1	1

INVENTEC

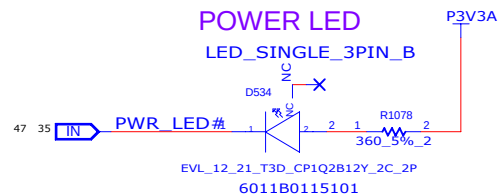
TITLE			
MODEL,PROJECT,FUNCTION			
ITE8517			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	

KeyBoard CONN(30 pin)

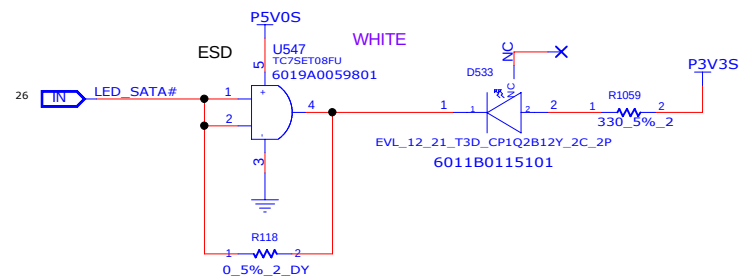


POWER LED

LED_SINGLE_3PIN_B



SATA LED & HDD HALTED LED

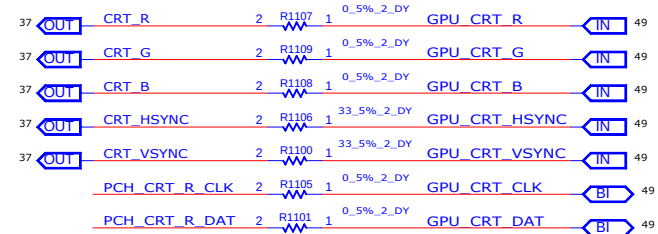
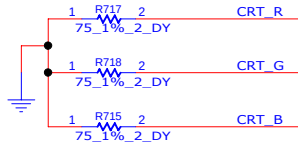
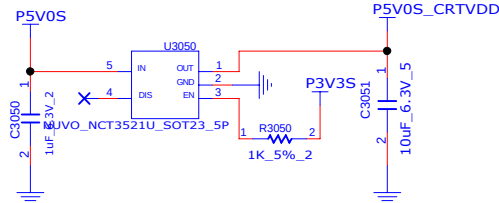


INVENTEC

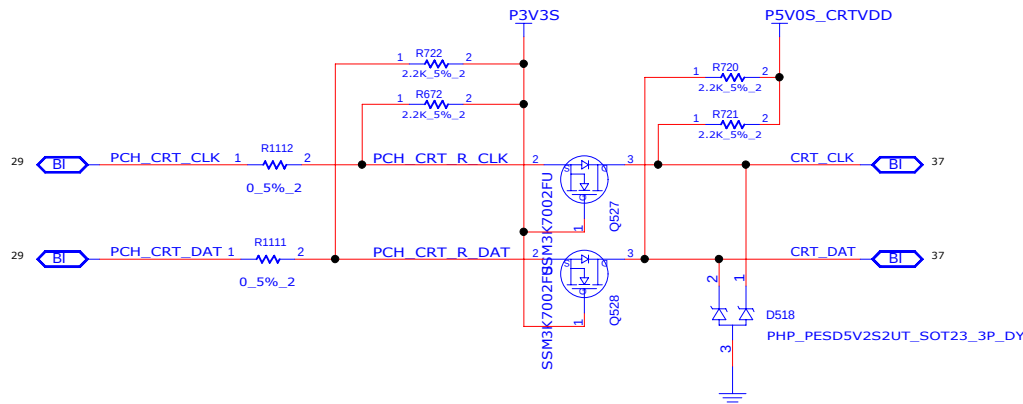
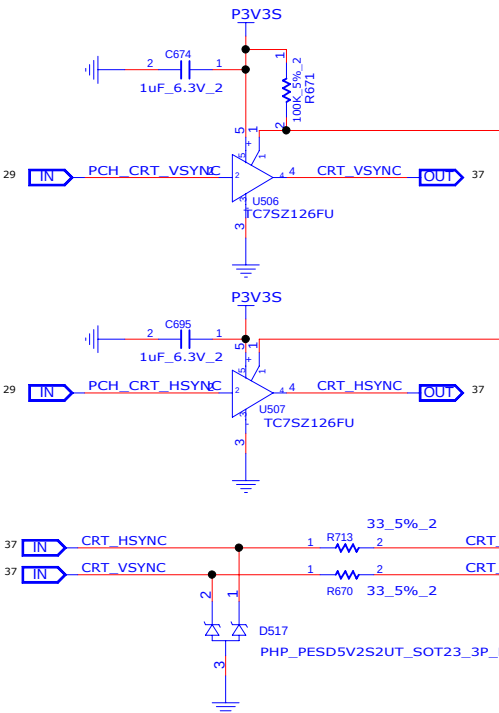
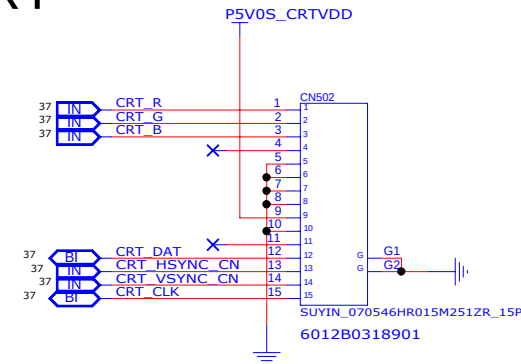
TITLE			
MODEL PROJECT,FUNCTION			
KB CONN & LED			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	X01

CHANGE by XXX DATE 21-OCT-2002

SHEET 36 of 57



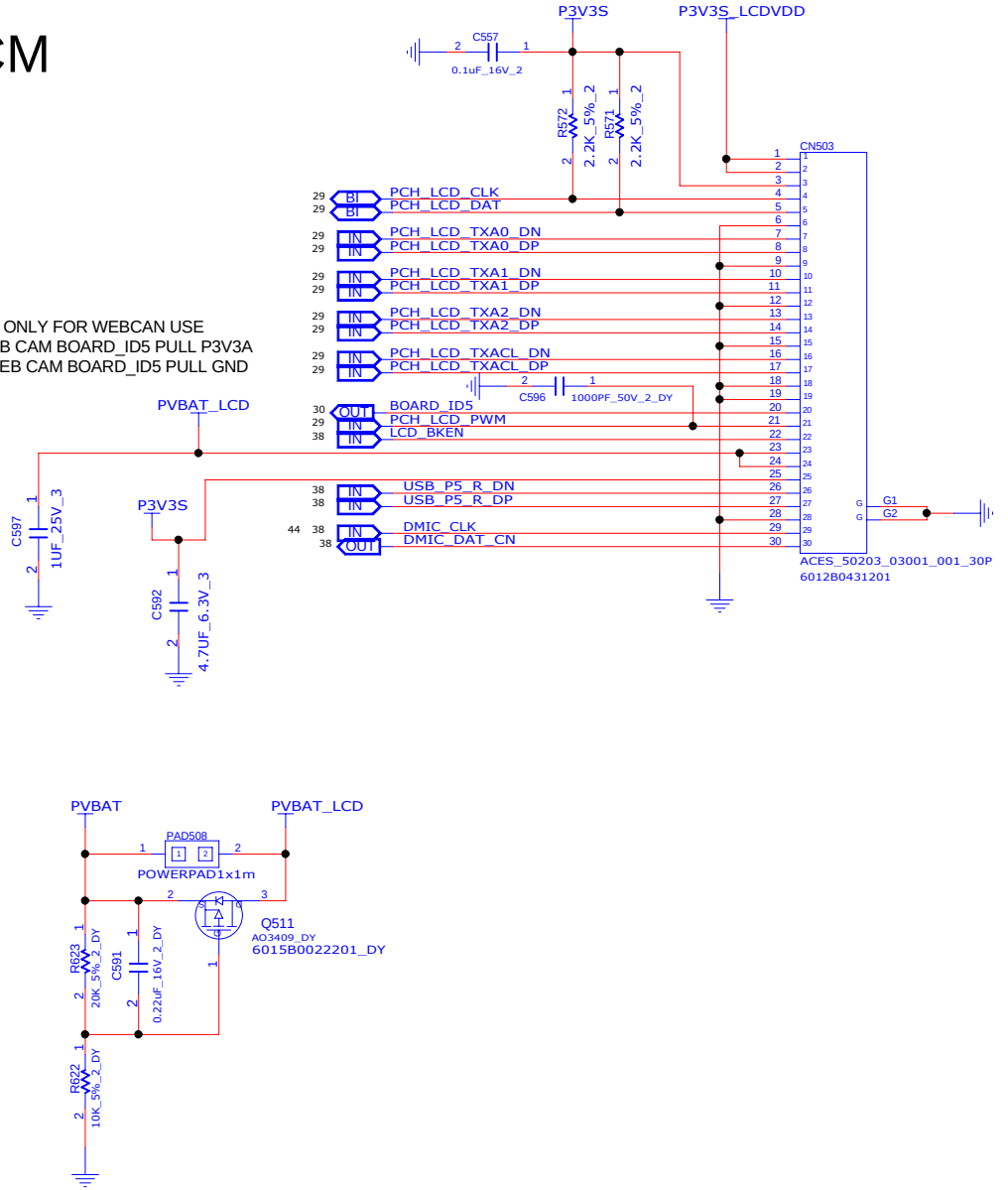
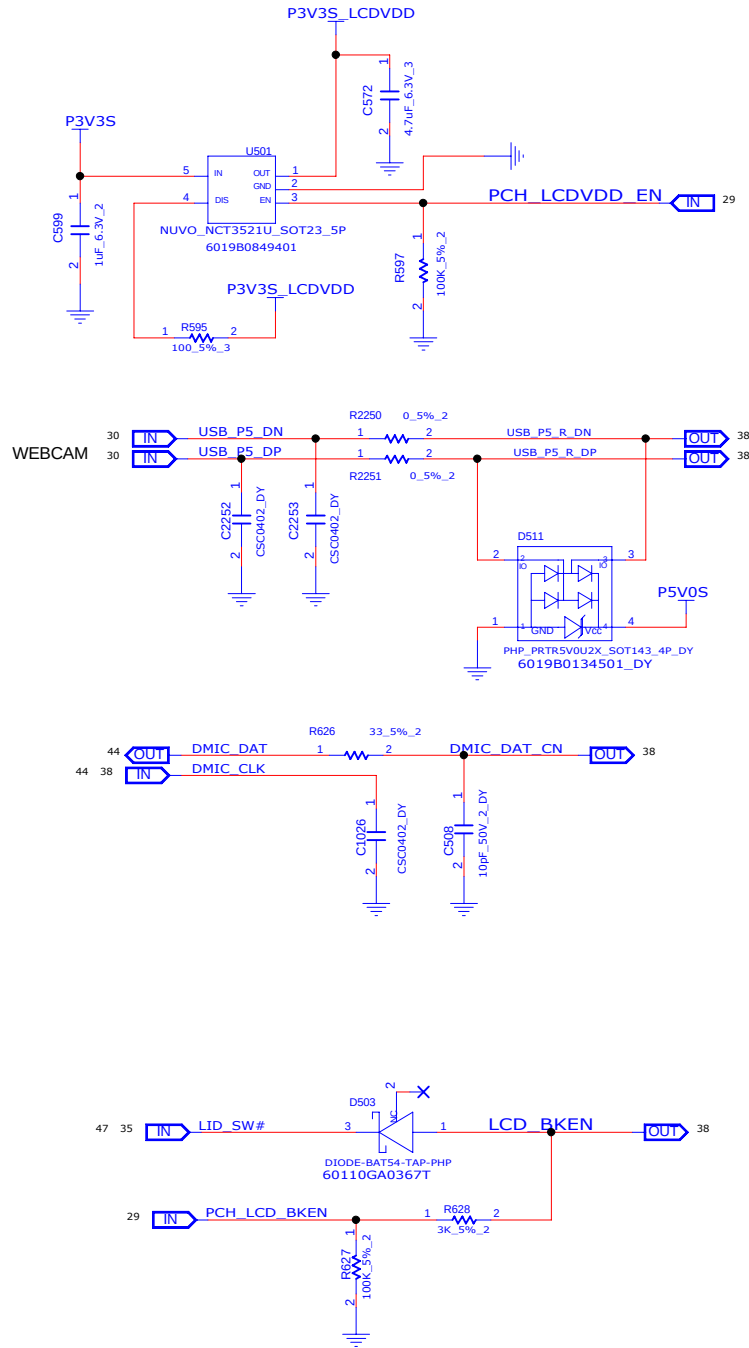
CRT



INVENTEC			
TITLE			
MODEL PROJECT,FUNCTION			
CRT CONN			
DOC NUMBER			
1310xxxxx-0-0			
REV			
X01			
SIZE	CODE	SHEET	
A3	CS	37 of 57	

LCM

BOARD_ID5 ONLY FOR WEBCAM USE
FOR HD WEB CAM BOARD_ID5 PULL P3V3A
FOR VGA WEB CAM BOARD_ID5 PULL GND



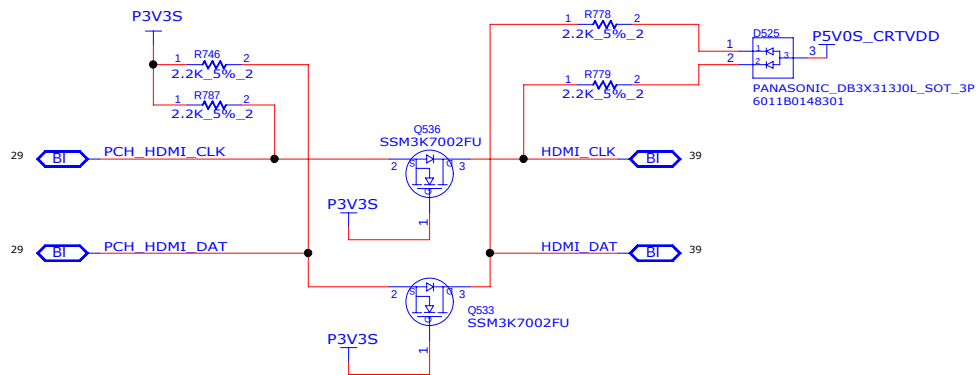
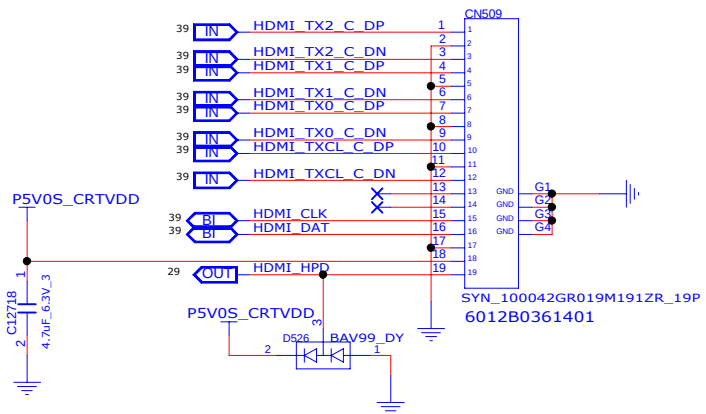
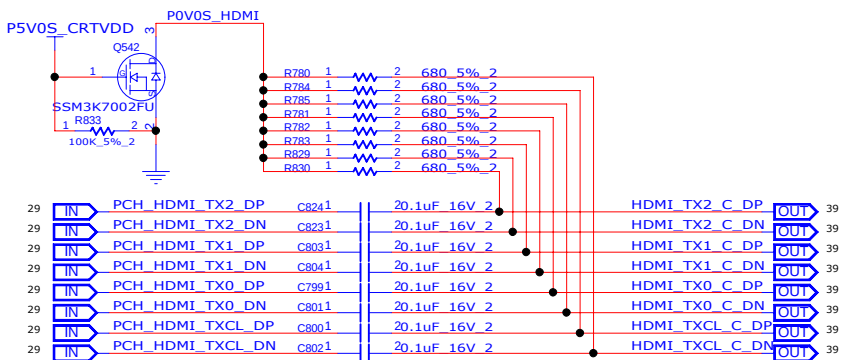
INVENTEC

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

CHANGE by XXX DATE 21-OCT-2002

SHEET 38 of 57

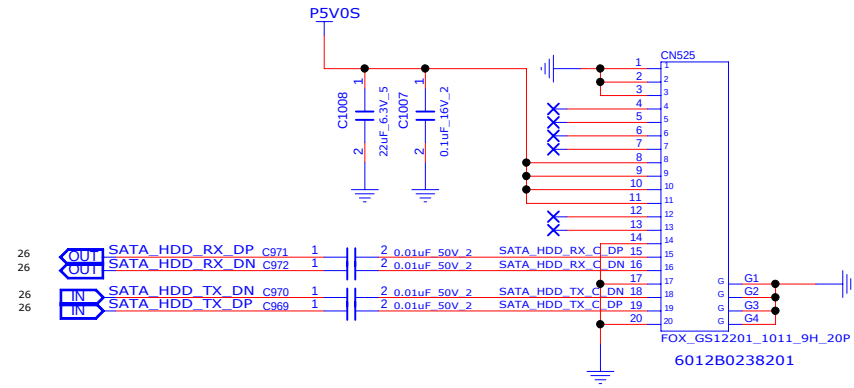
HDMI



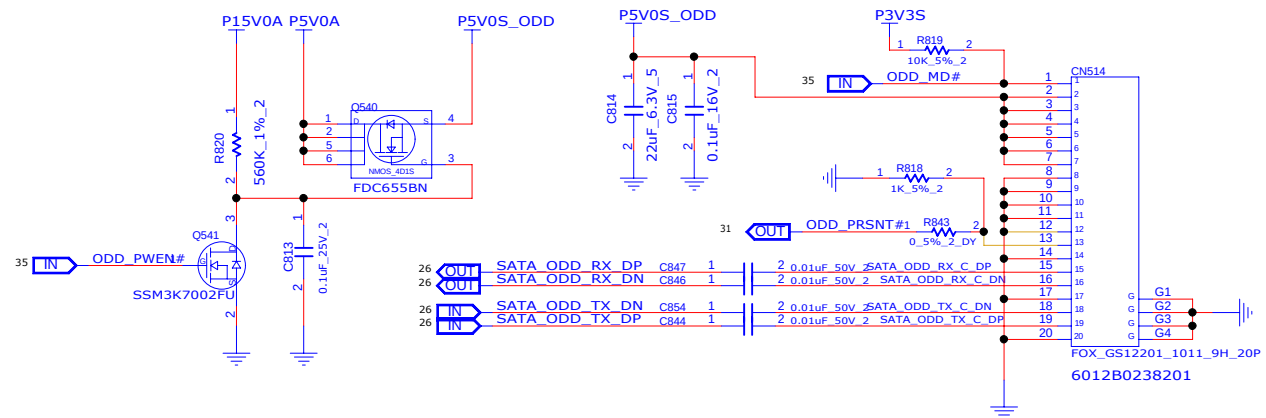
INVENTEC

TITLE			
MODEL,PROJECT,FUNCTION HDMI' CONN			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV X01
SHEET 39 of 57			

SATA HDD CABLE CONN on MB



SATA ODD CABLE CONN on MB



INVENTEC

TITLE
MODEL, PROJECT, FUNCTION
SATA_HDD & SATA_ODD

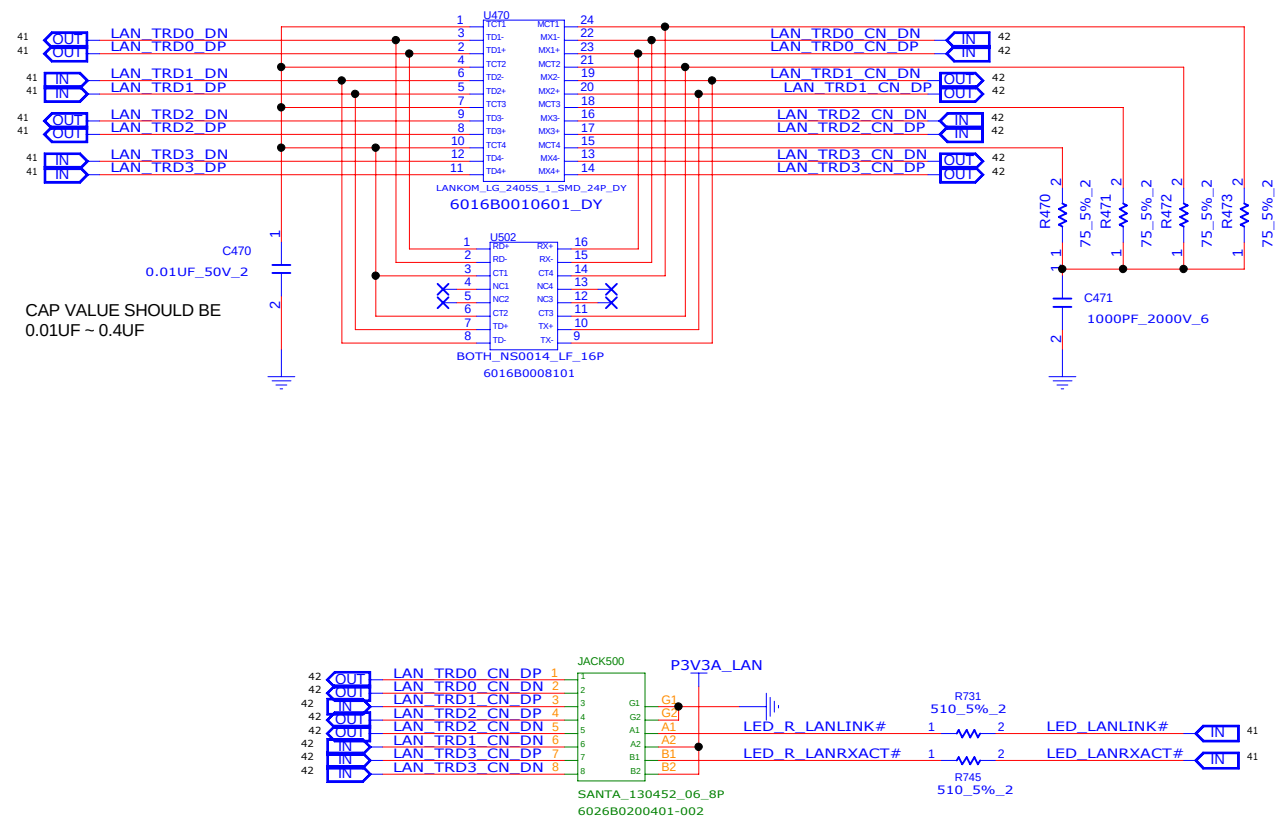
SIZE CODE DOC NUMBER REV
A3 CS 1310xxxxx-0-0 X01

CHANGE by XXX DATE 21-OCT-2002

SHEET 40 of 57

TRANSFORMER

U470 FOR GIGALAN
U502 FOR 10/100 LAN



INVENTEC

TITLE
MODEL, PROJECT, FUNCTION
RJ45 & TRANSFORMER

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

CHANGE by XXX DATE 21-OCT-2002 SHEET 42 of 57

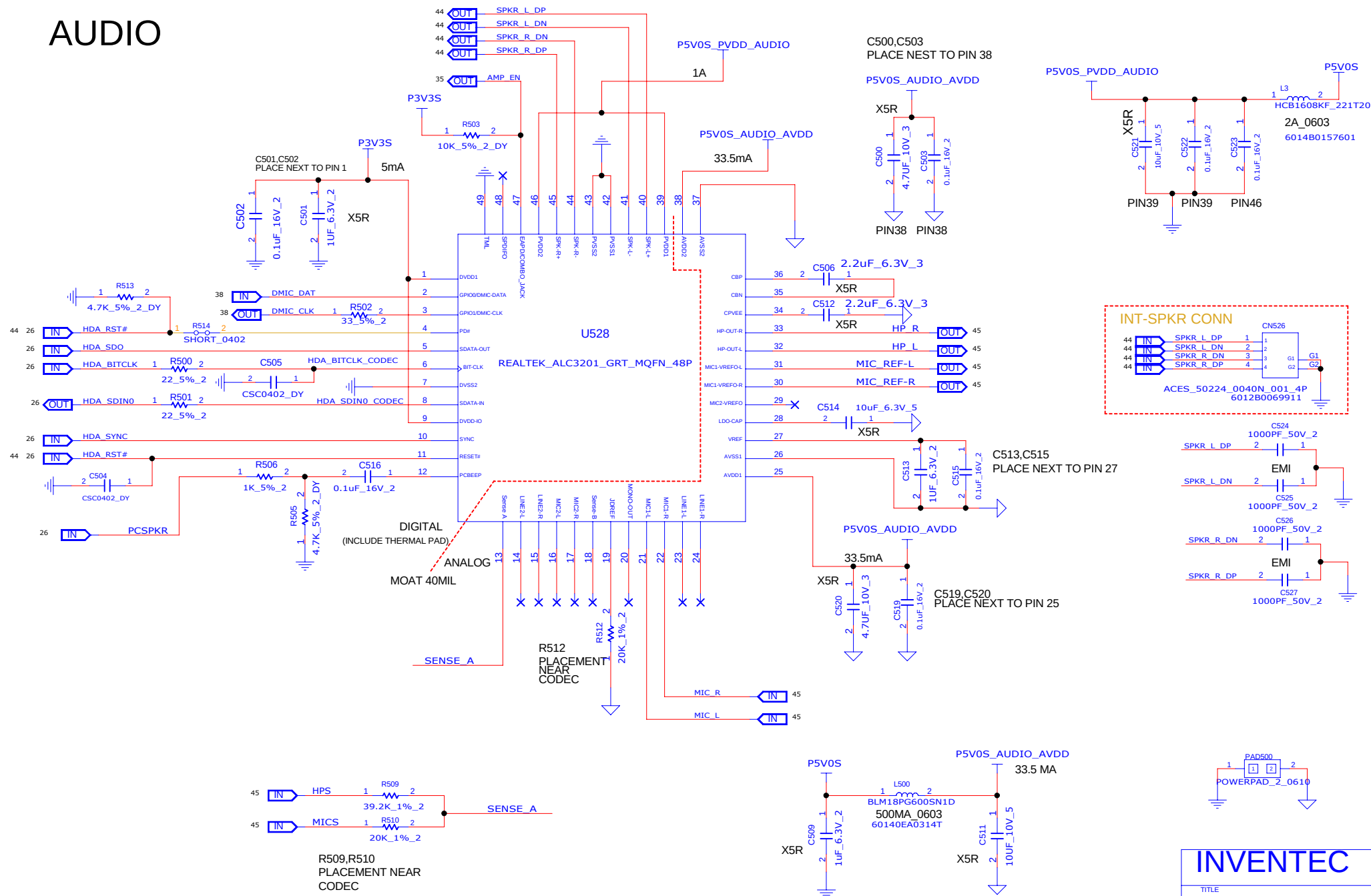
1

ZDIFF : 100 OHM



SHEET 43 of 57

AUDIO

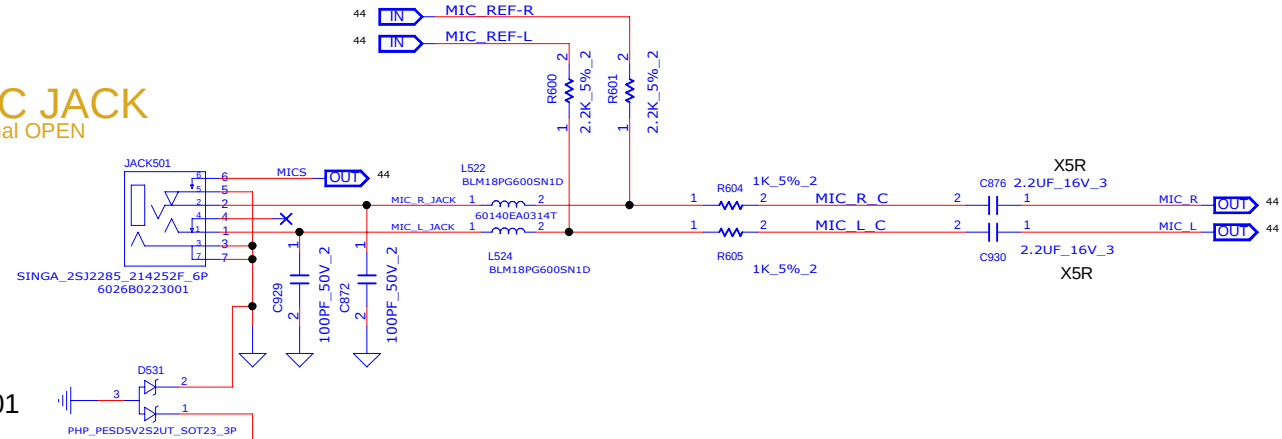


INVENTEC

TITLE			
MODEL PROJECT,FUNCTION			
DOC NUMBER			
1310xxxxx-0-0			
REV			
X01			

MIC JACK

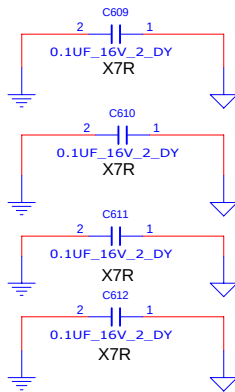
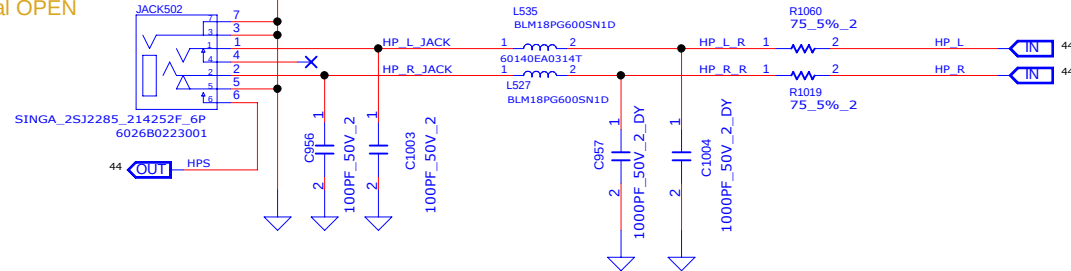
Normal OPEN



JACK CHANGE TO 6026B0223001

HP JACK

Normal OPEN



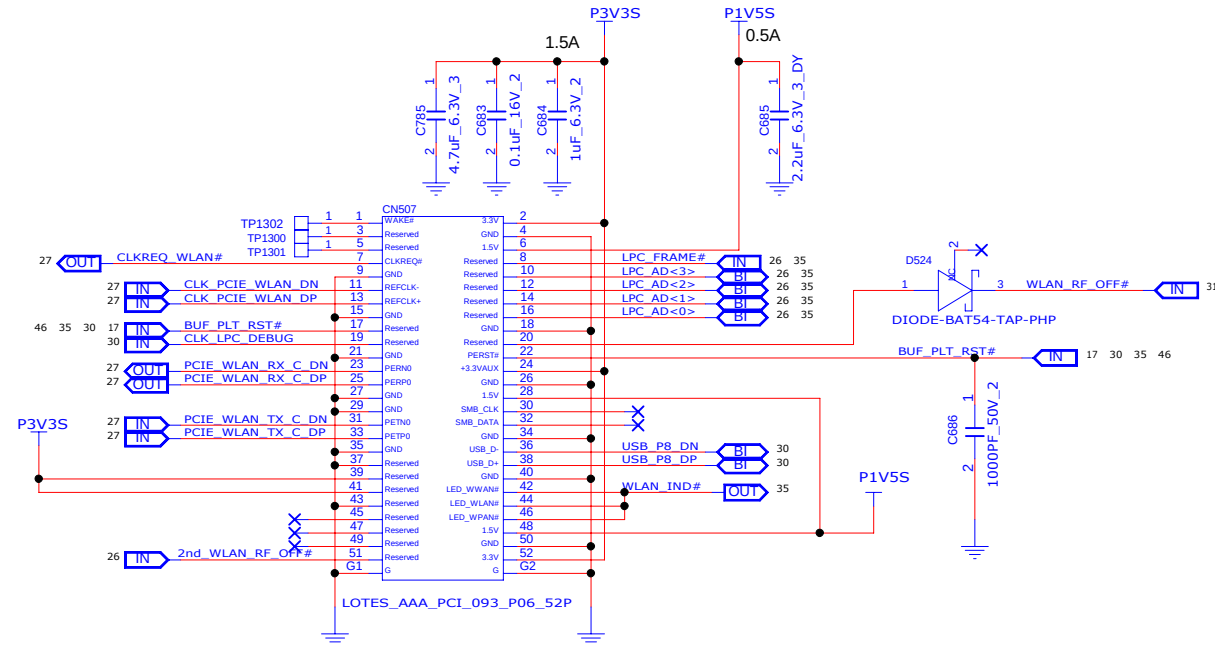
INVENTEC

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

CHANGE by XXX DATE 21-OCT-2002

SHEET 45 of 57

WLAN CONN (MINICARD)



SI build change to 6026B0221502

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

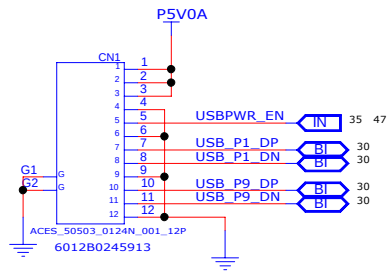
INVENTEC

TITLE
MODEL, PROJECT, FUNCTION
WLAN & BT

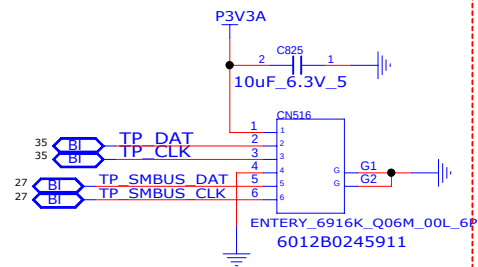
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV X01
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CHANGE by XXX DATE 21-OCT-2002 SHEET 46 of 57

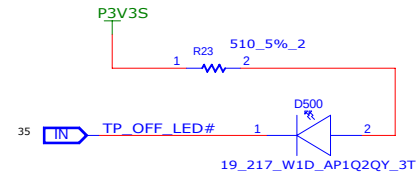
USB 2.0 BOARD Cable CONN on MB



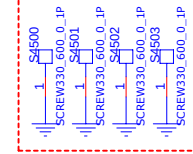
TouchPad Module CONN



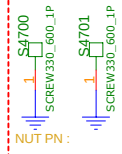
TOUCHPAD LED ON MB



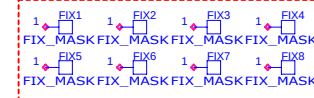
for CPU



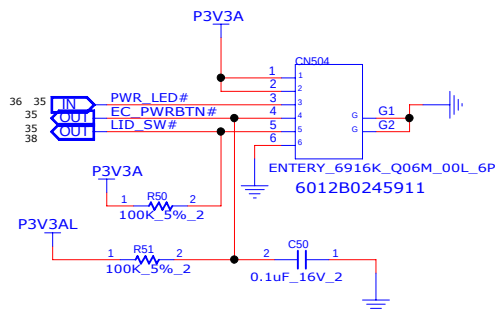
for GPU



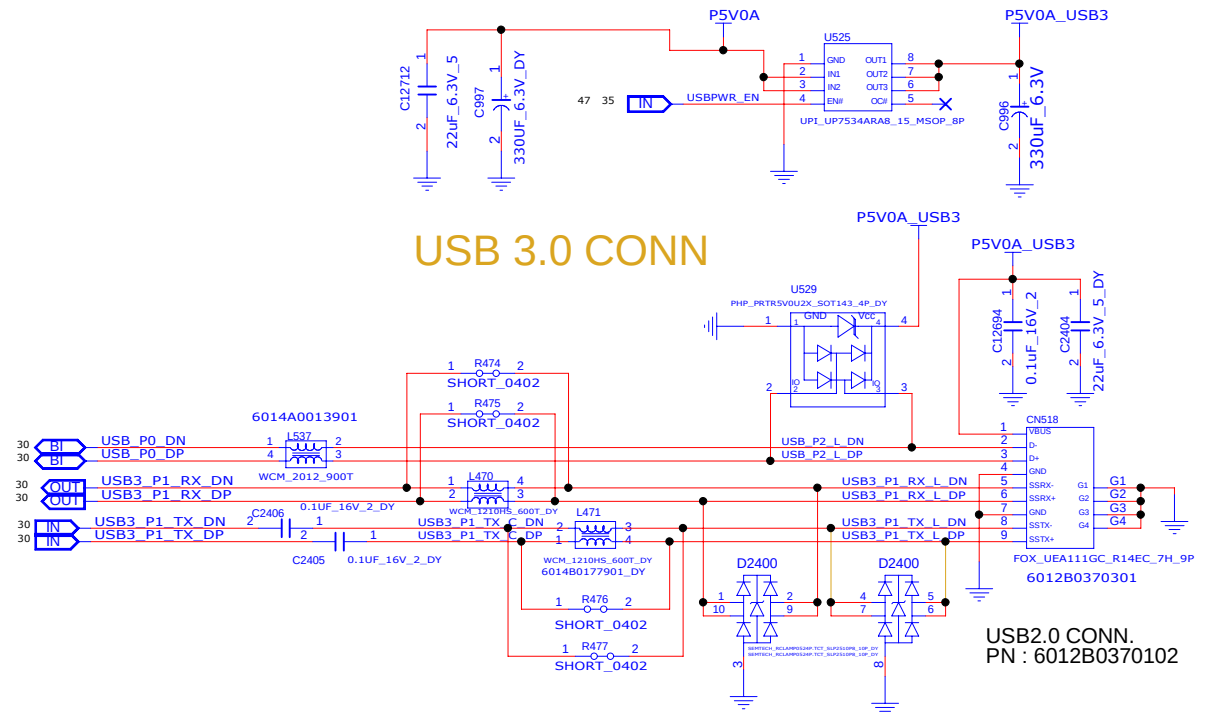
NUT PN :
6052B0160501



POWER BUTTON CONN ON MB

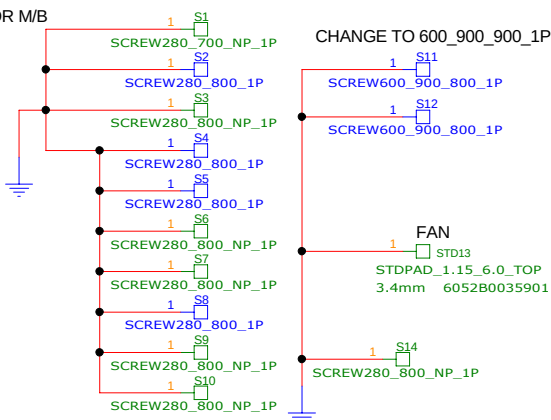


USB 3.0 CONN



USB2.0 CONN.
PN : 6012B0370102

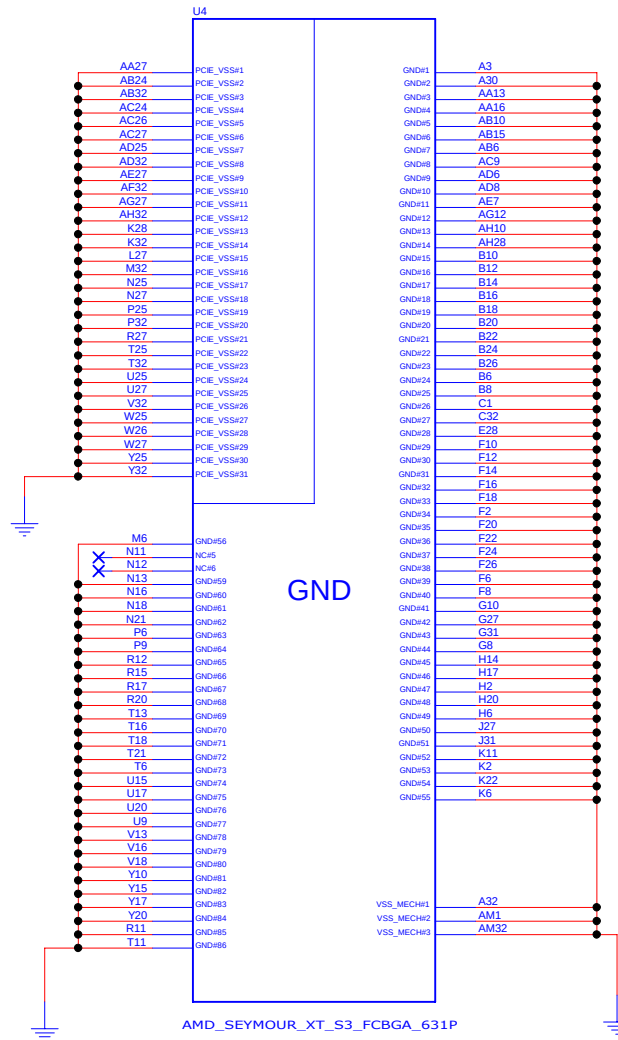
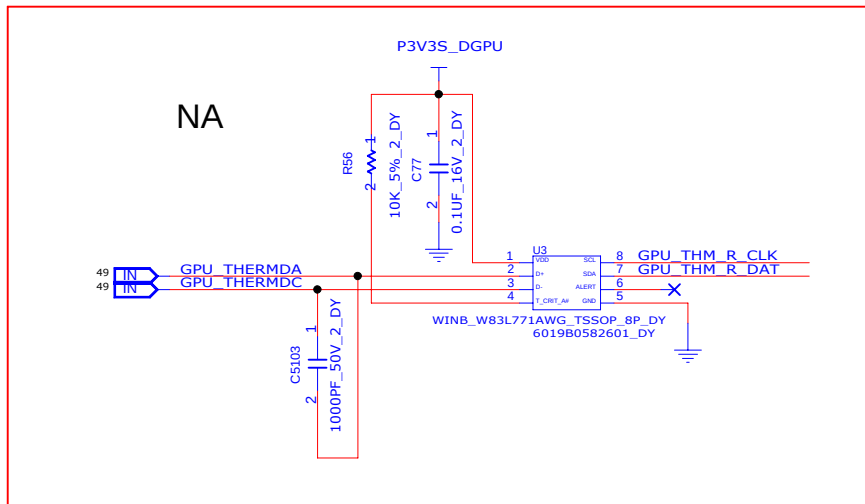
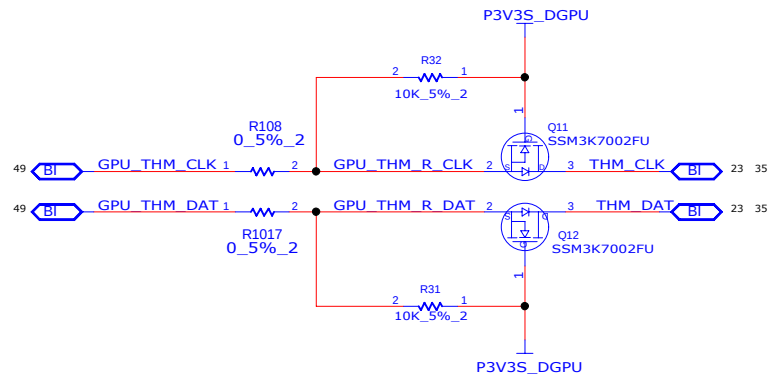
FOR M/B



INVENTEC

TITLE			
MODEL PROJECT FUNCTION			
USB 3.0 CONN & M/B TO D/B CONN			
DOC NUMBER		REV	
1310xxxxx-0-0		X01	
SIZE	CODE	SHEET	
A3	CS	47 of 57	

CHANGE by XXX DATE 21-OCT-2002



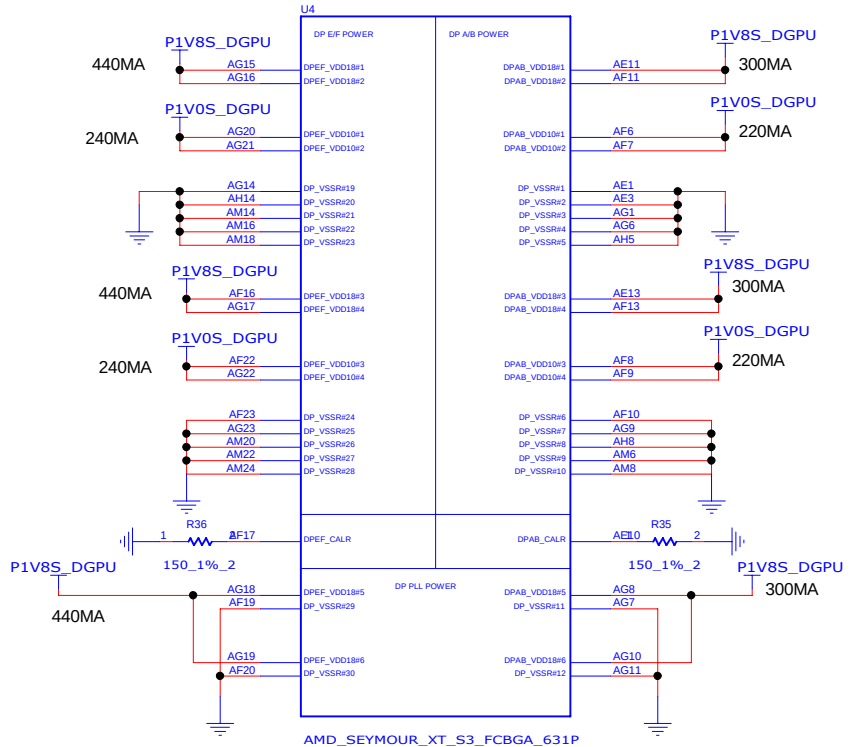
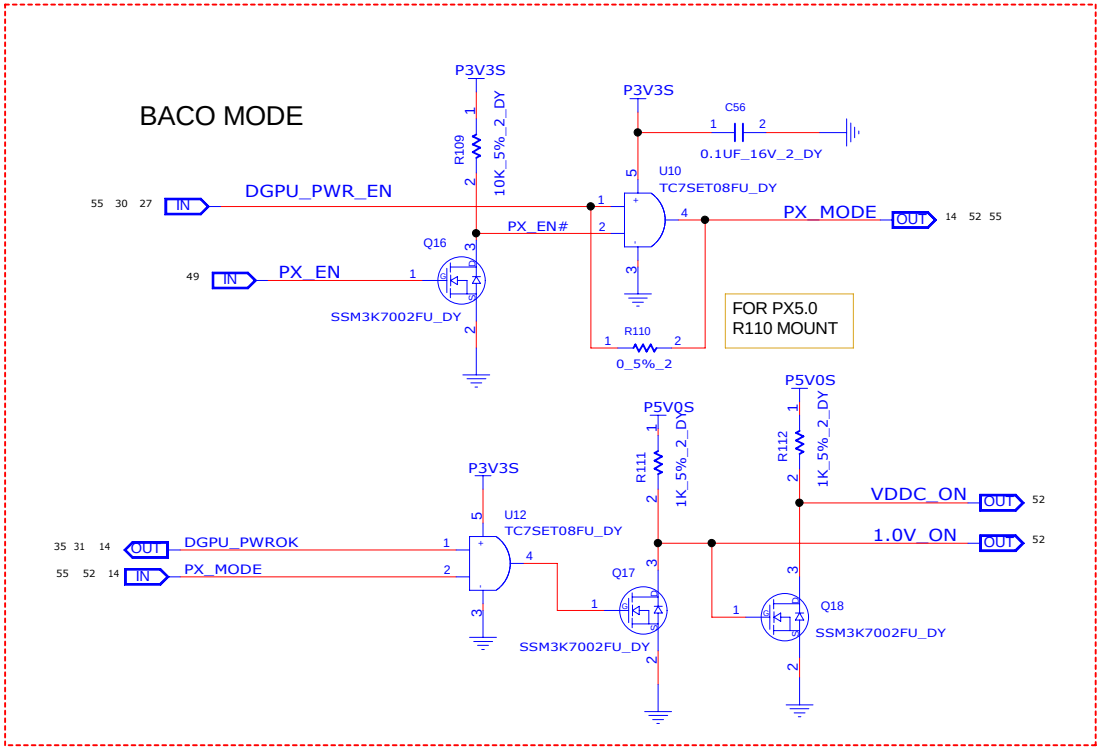
INVENTEC

TITLE
MODEL PROJECT,FUNCTION
SEYMOUR_XT-S3

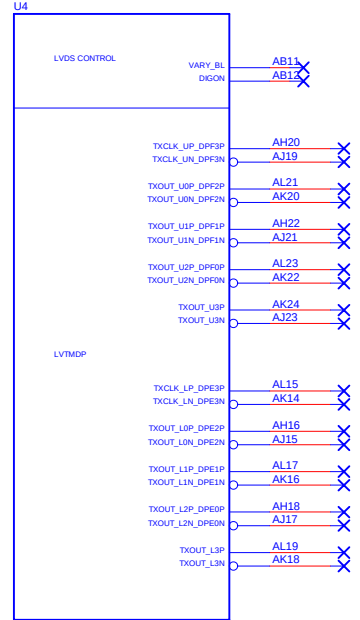
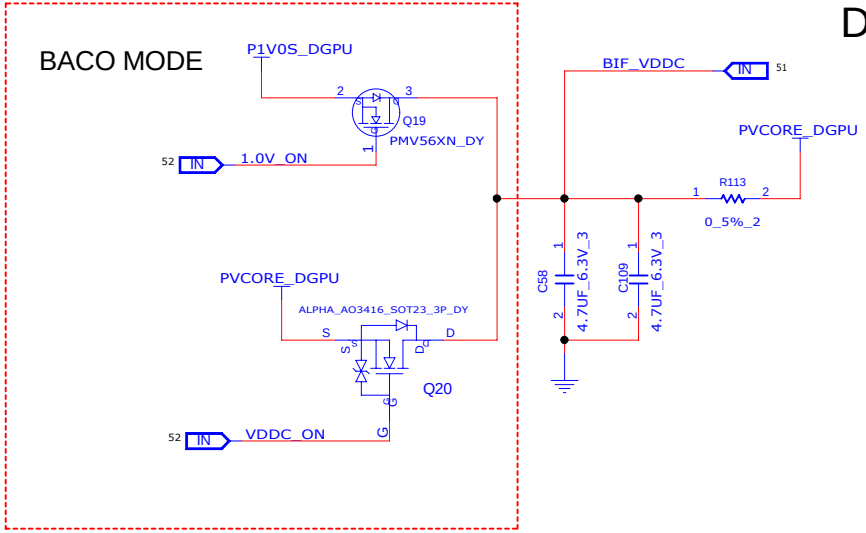
SIZE A3 CODE CS DOC NUMBER 1310xxxxx-0-0 REV X01

CHANGE by XXX DATE 21-OCT-2002

SHEET 50 of 57

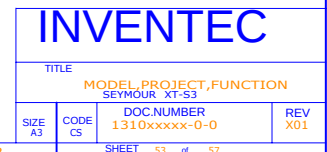


DEFULT IS PX5.0

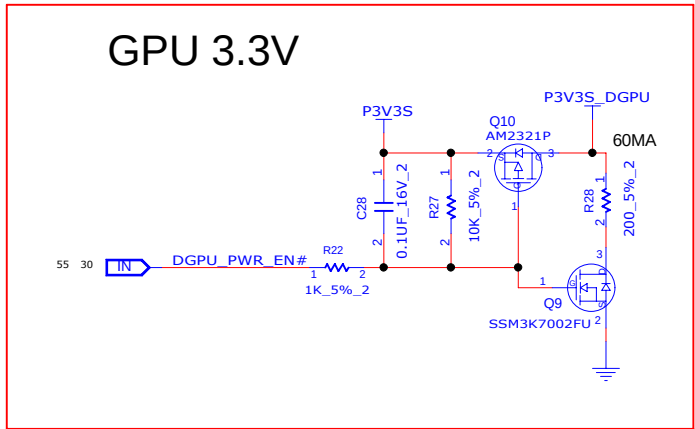
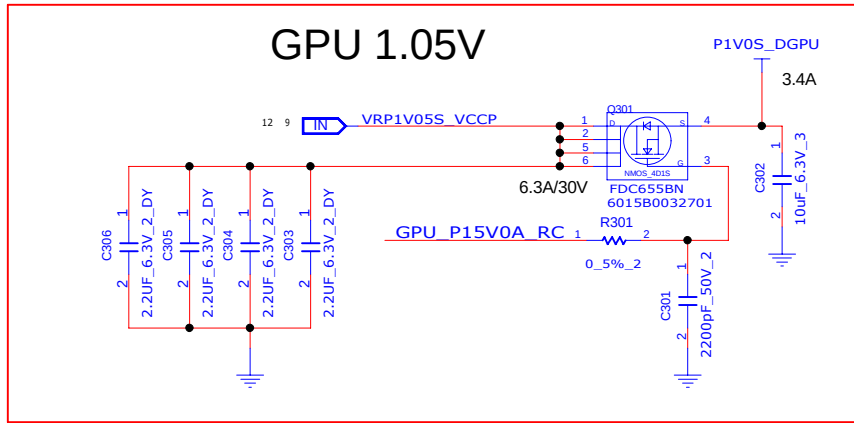


INVENTEC

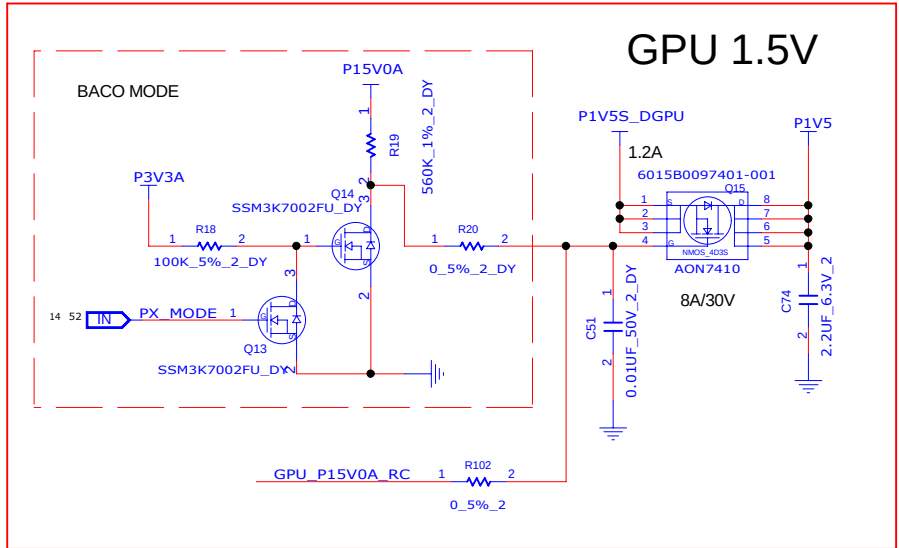
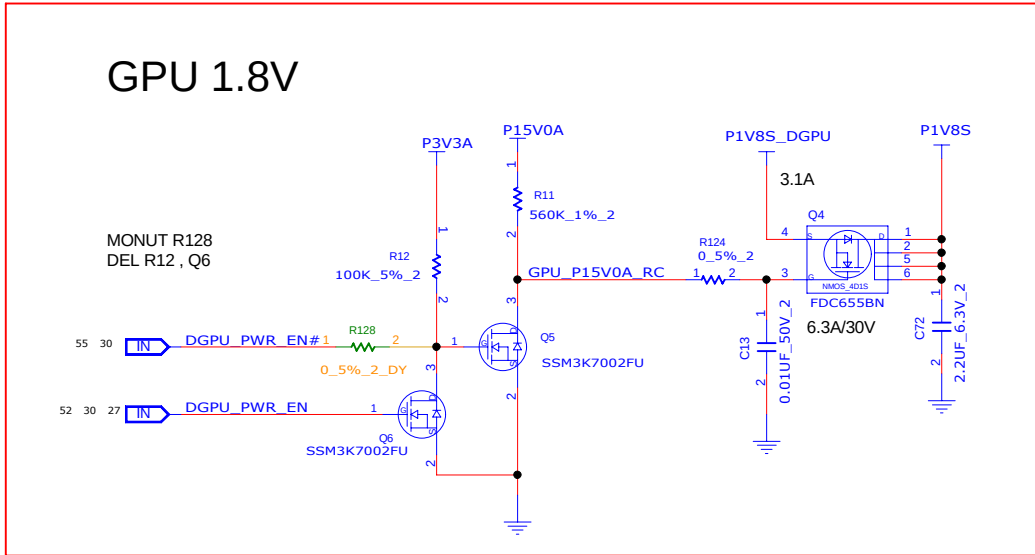
TITLE			
MODEL PROJECT,FUNCTION			
SEYMOUR XT-S3			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	X01







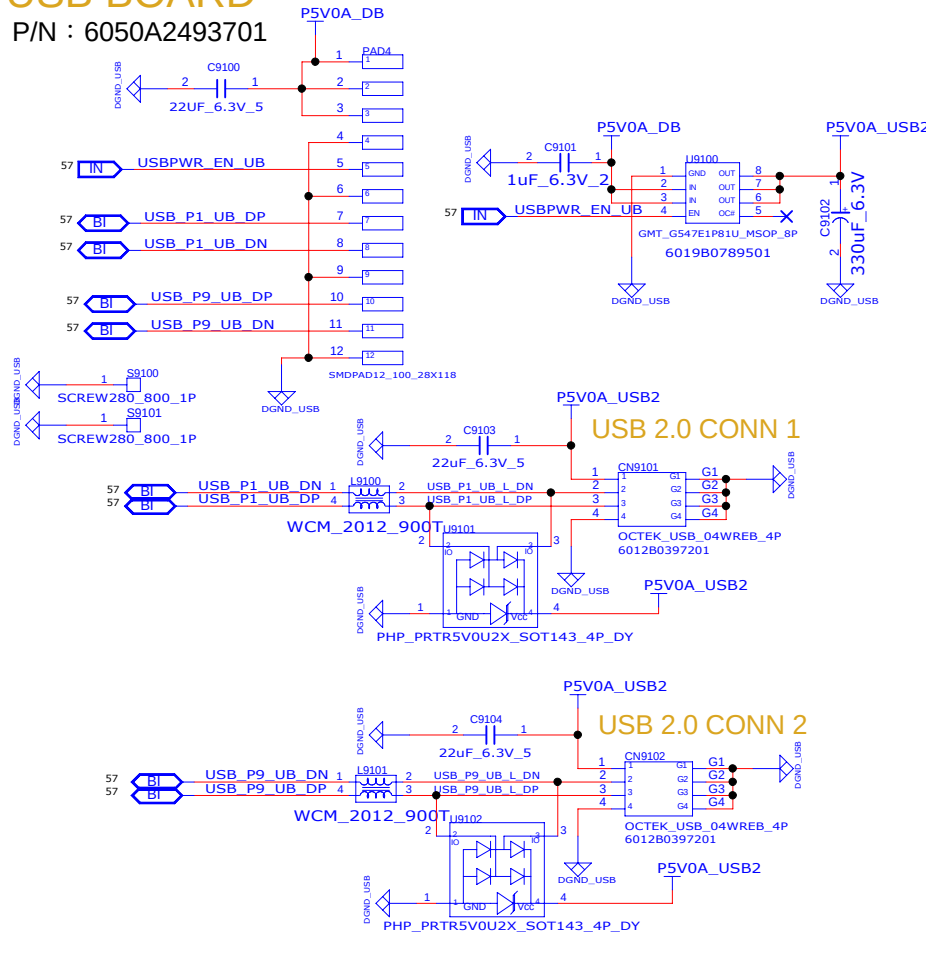
DEFULT IS PX5.0



INVENTEC			
TITLE			
MODEL, PROJECT, FUNCTION			
DGPU_POWER_EE			
DOC NUMBER			
1310xxxxx-0-0			
REV			
X01			
SIZE	CODE	SHEET	
A3	CS	55 of 57	

USB BOARD

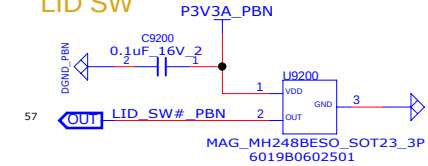
P/N : 6050A2493701



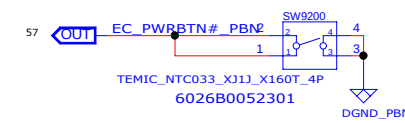
POWER BUTTON BOARD

P/N : 6050A2493201

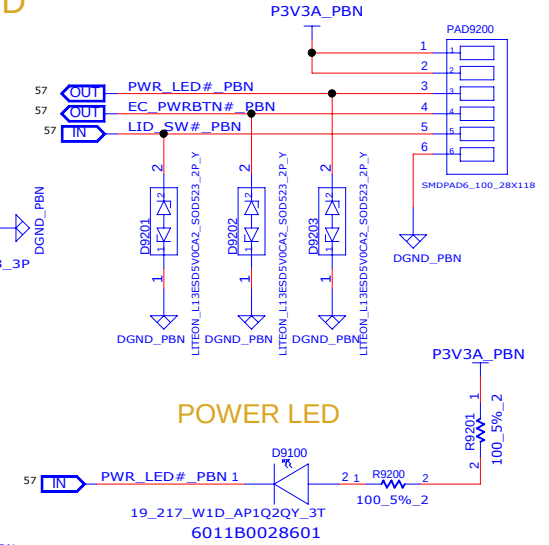
LID SW



POWER BUTTON

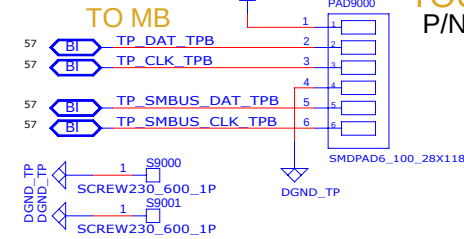


POWER LED

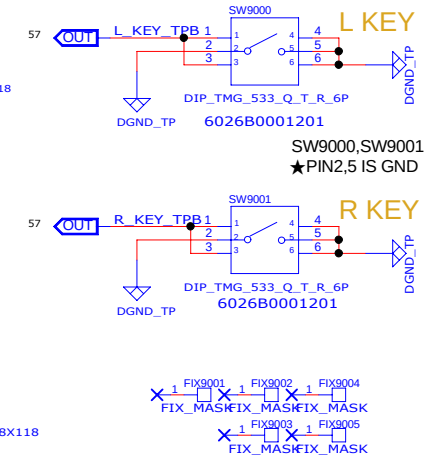
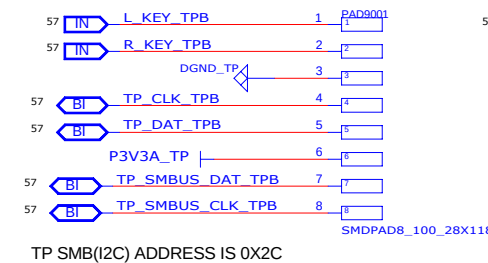


TOUCHPAD R / L BOARD

P/N : 6050A2493601



TO T/P MODULE



for Dauther Board



INVENTEC

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