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CALVIN UMA

SI BUILD

2011.07.01

01 JUL 2011		
DATE	CHANGE NO.	REV

	EE	DATE	POWER	DATE	INVENTEC			
DRAWER					TITLE CALVIN_UMA_SI PROJECT NAME			
DESIGN								
CHECK								
RESPONSIBLE					SIZE C CS 1310X900X-0-0			
SIZE				VER:				
FILE NAME								
PIN					SHEET		of 001	REV A01

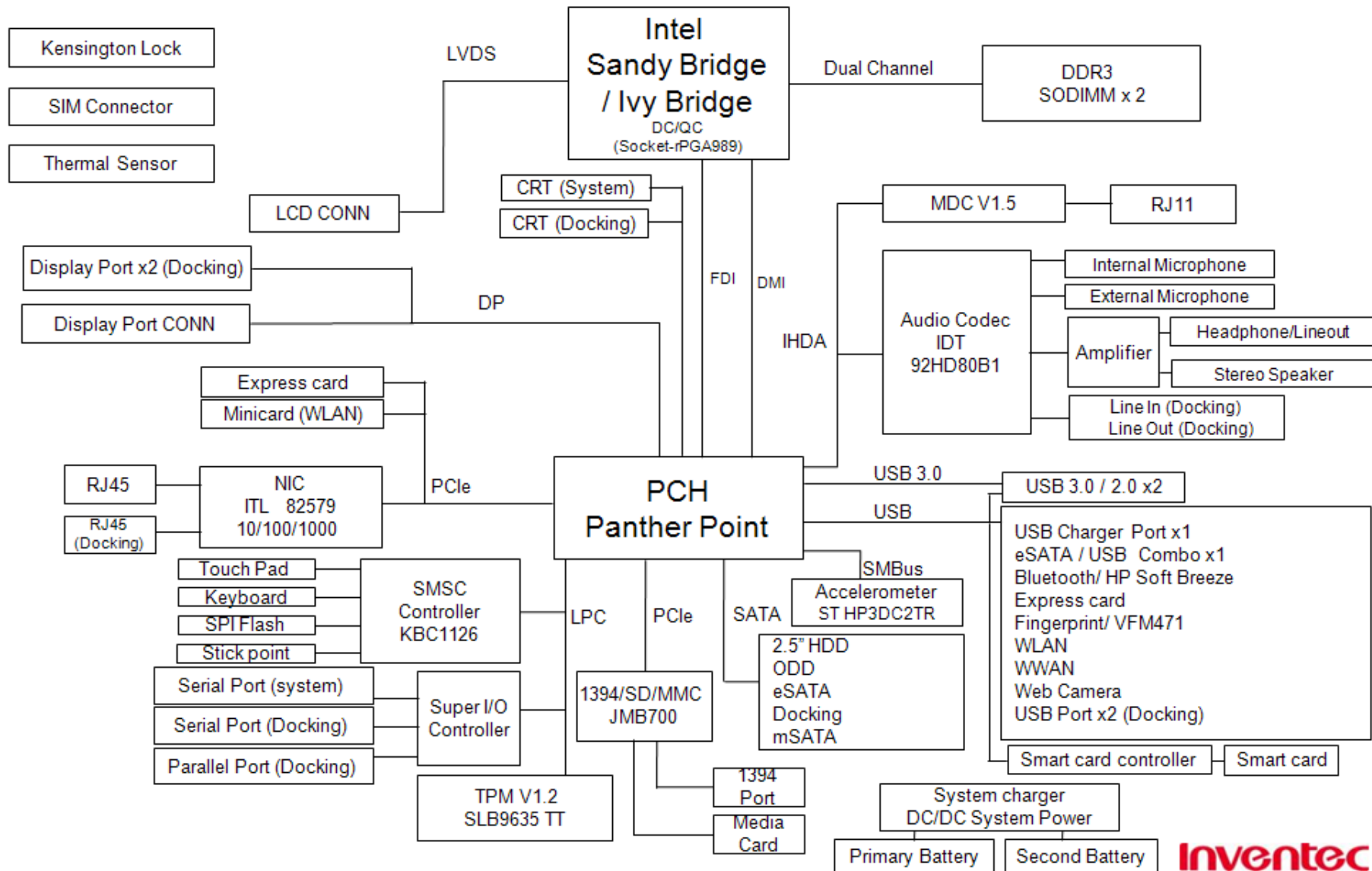
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10. SYSTEM POWER(P1V05_LAN_M)	32. PANTER POINT_2 (PCI-E,SMBUS,CLK)	53. LAN (NIC,TRANSFORMER,RJ45)
11. SYSTEM POWER(P1V0S_VCCP)	33. PANTER POINT_3 (DMI,FDI,GPIO)	54. WWAN & WLAN & SIM
12. SYSTEM POWER(P1V8S)	34. PANTER POINT_4 (LVDS,DDI)	55. DOCKING CNTR
13. SYSTEM POWER(PVSA)	35. PANTER POINT_5 (PCI,USB,NVRAM)	56. POWER & WLAN_LED
14. SYSTEM POWER(PVCORE&PVAXG-1)	36. PANTER POINT_6 (GPIO,VSS_NCFT,RSVD)	57. SCREW
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16. PVCORE_DGPU (SPARE)	38. PANTER POINT_8 (POWER)	59. SMART CARD
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18. HP_OCP	40. VGA SWITCH / CRT	61. EXPRESS CARD/POINT STICH/TOUCH PAD(SPARE)
19. POWER(SLEEP)	41. DISPLAY PORT CNTR	62. AUDIO
20. POWER(SEQUENCE)	42. LCM & WEBCAM	63. EXT. MIC / MIC / HP
21.FAN & THERMAL	43. EDP TO LVDS (SPARE)	64. CARD READER CTRL/1394 CONN/SD CONN
22. XDP CONN	44. SATA HDD & ODD CNTR	65. LID SWITCH
	45. USB & ESATA COMBO / USB CHARGER	66. RF SOLUTION
	46. USB CONN	

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TITLE			
CALVIN_UMA_S1 TABLE OF CONTENTS			
SIZE A3	CODE CS	DOC NUMBER 1310xxxx-0-0	REV X01
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CALVIN UMA Block Diagram



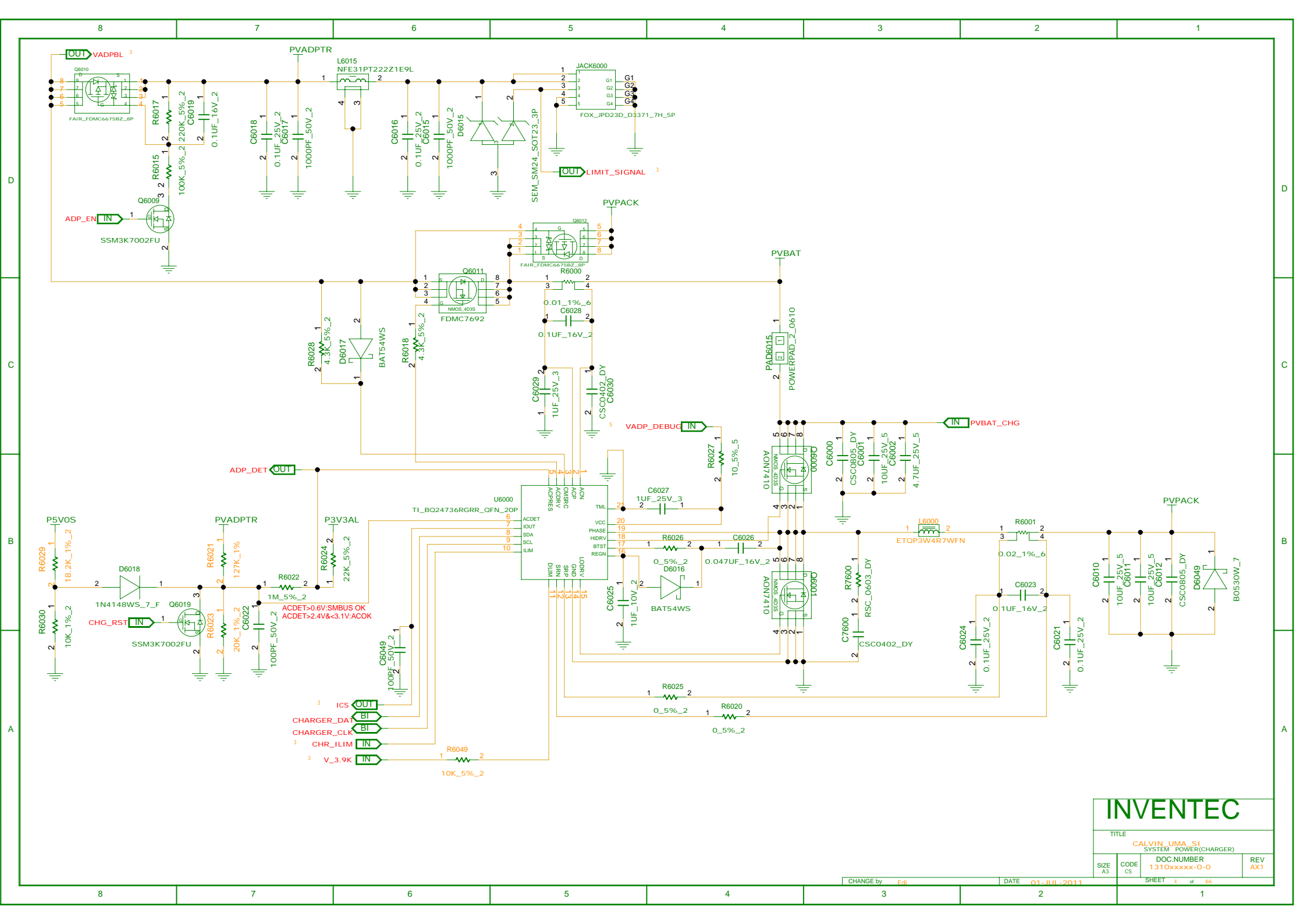
Inventec

INVENTEC

TITLE			
CALVIN_UMA_SI BLOCK DIAGRAM			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1

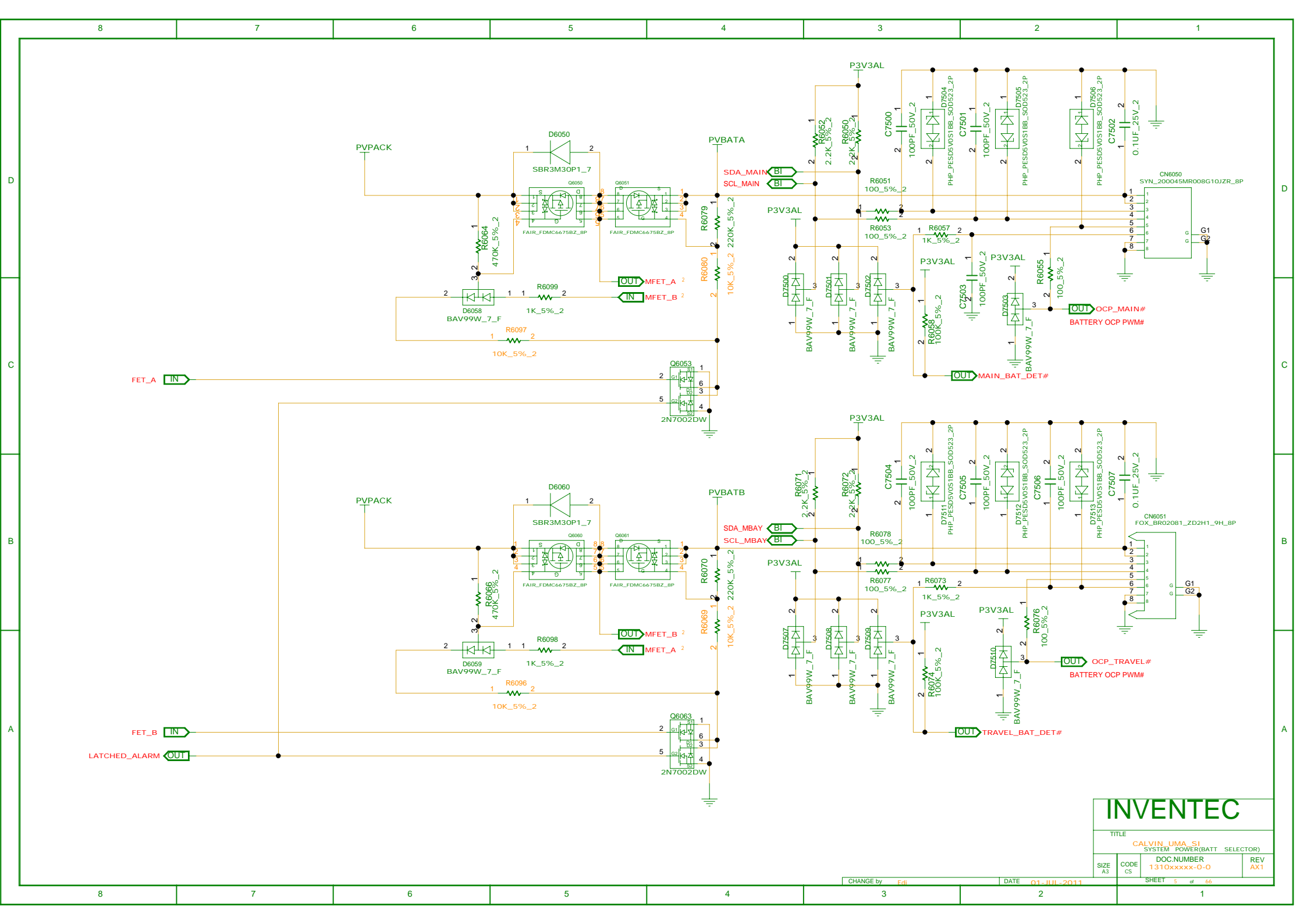
CHANGE by: Edl DATE: 01-JUL-2011

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INVENTEC

TITLE			
CALVIN_UMA_S1 SYSTEM_POWER(CHARGER)			
DOC NUMBER		REV	
1310xxxxx-0-0		AX1	



INVENTEC

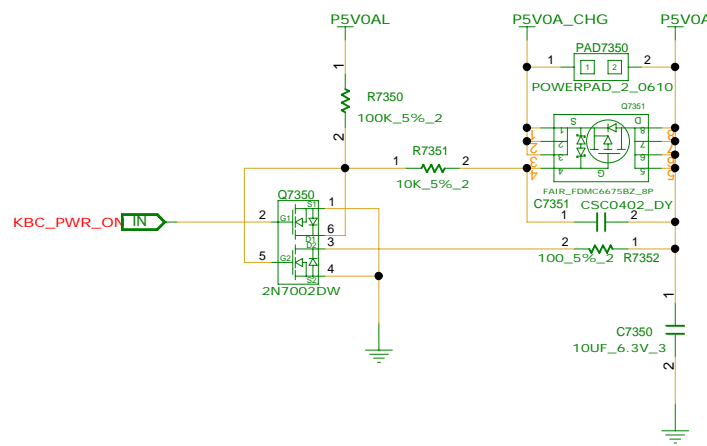
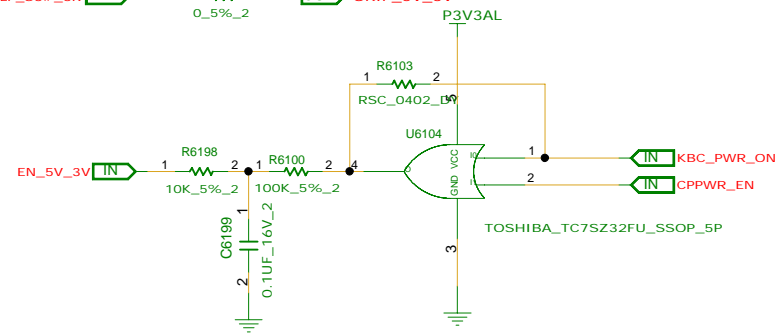
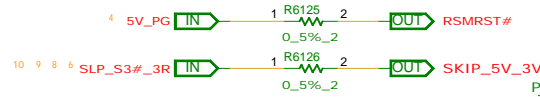
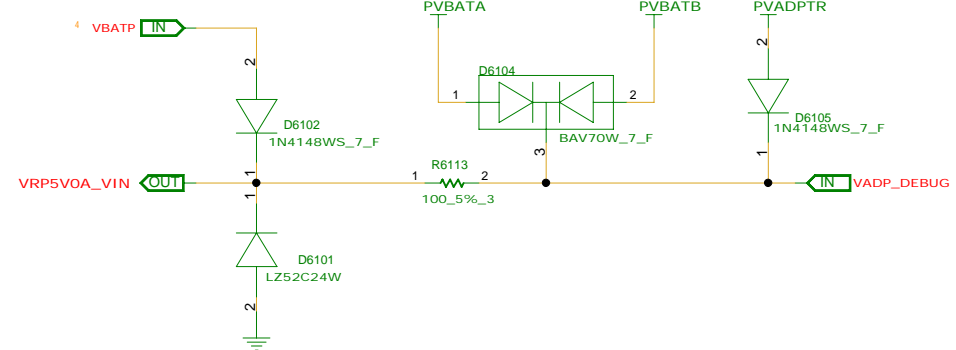
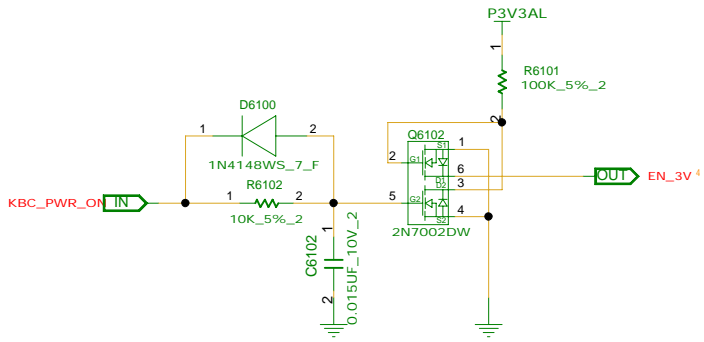
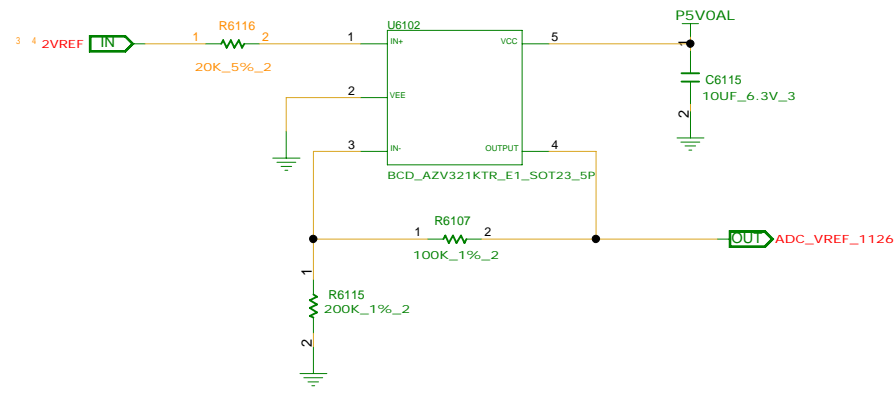
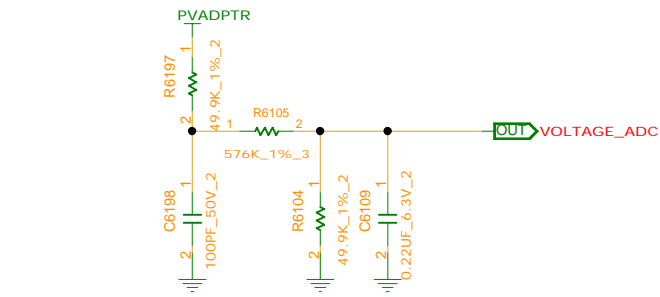
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CALVIN_UMA_S1
SYSTEM_POWER(BATT_SELECTOR)

DOC NUMBER
1310xxxxx-0-0

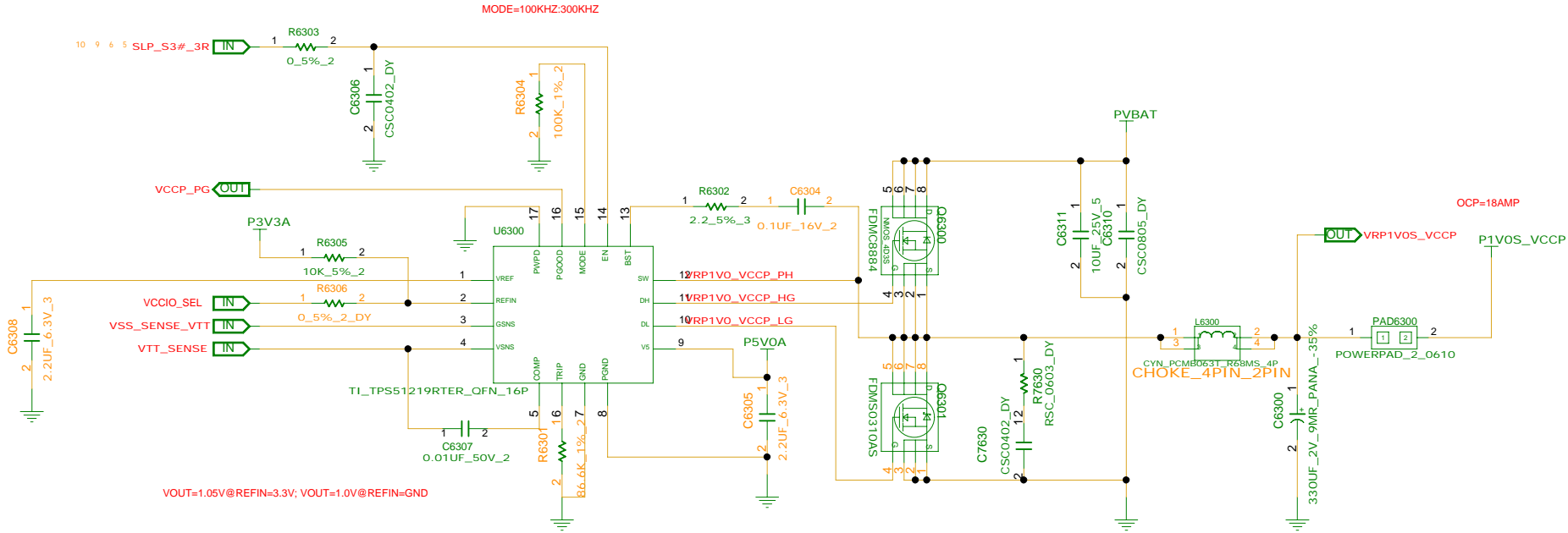
REV
AX1

CHANGE by Edl DATE 01-JUL-2011

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INVENTEC			
TITLE			
CALVIN_UMA_S1			
P3V3A&P5VOA_CHG PORT			
DOC NUMBER			
1310xxxxx-0-0			
REV			
AX1			
SIZE	CODE	SHEET	
A3	CS	8 of 66	



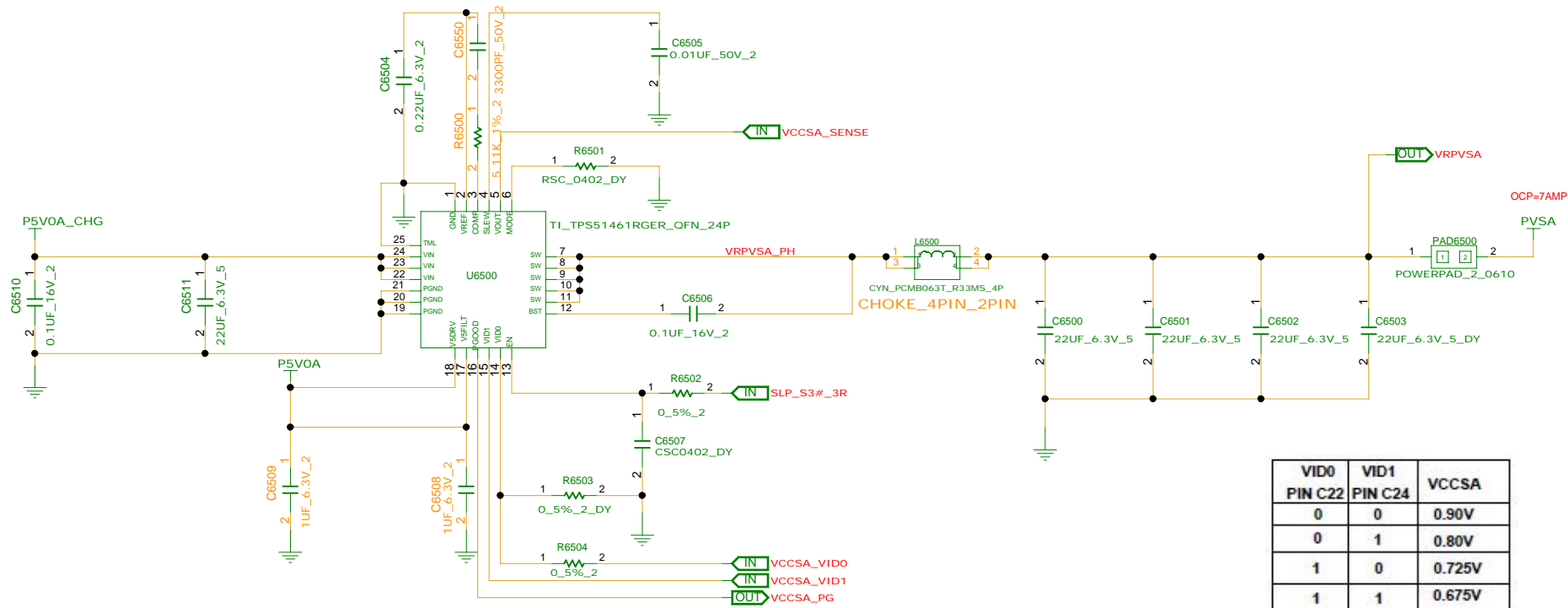
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TITLE
CALVIN_UMA_S1
SYSTEM POWER(P1V0S_VCCP)

DOC NUMBER
1310xxxx-0-0

REV
AX1

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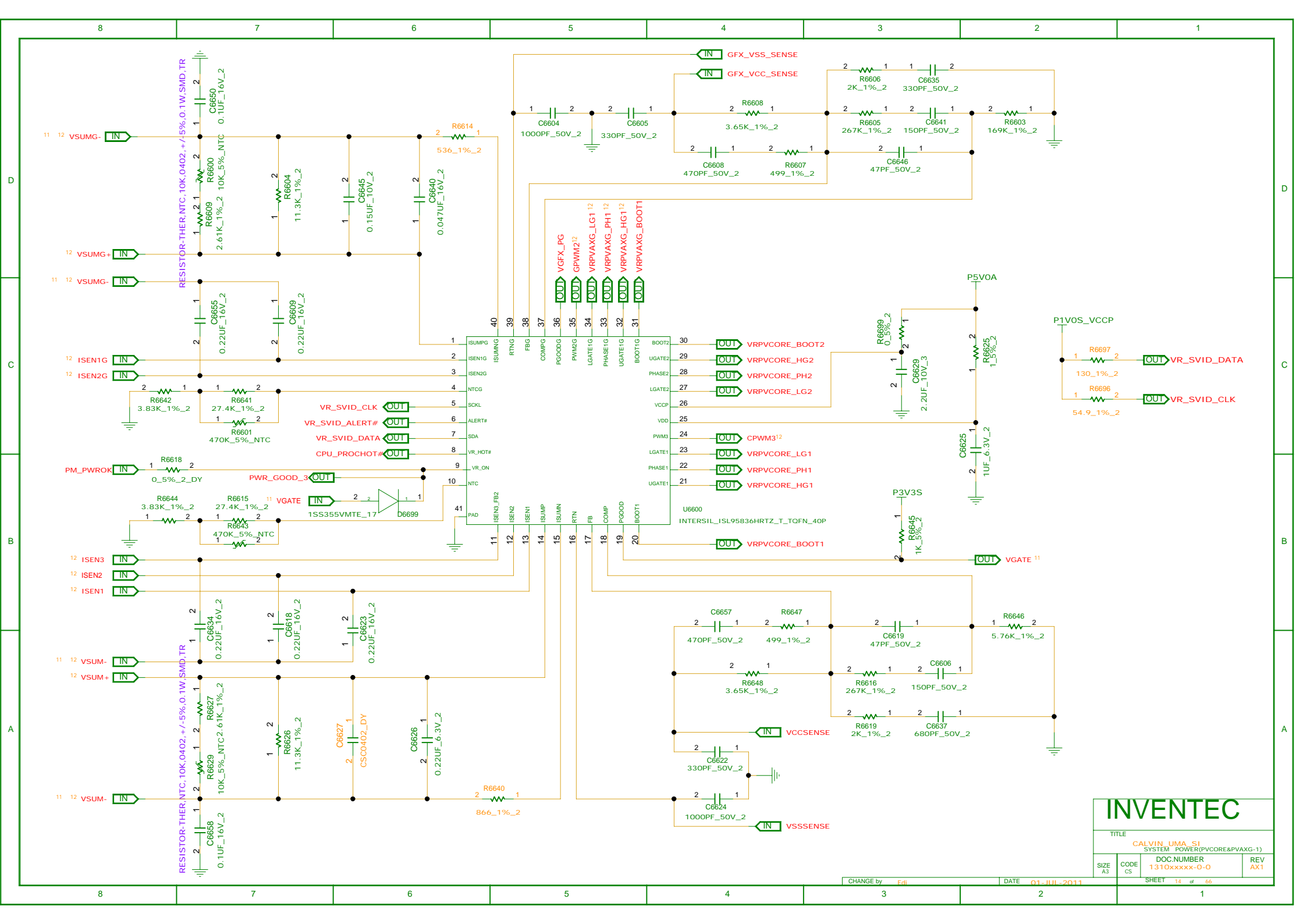
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TITLE
CALVIN_UMA_S1
SYSTEM POWER(PVSA)

SIZE A3 CODE CS DOC NUMBER 1310xxxxx-0-0 REV AX1

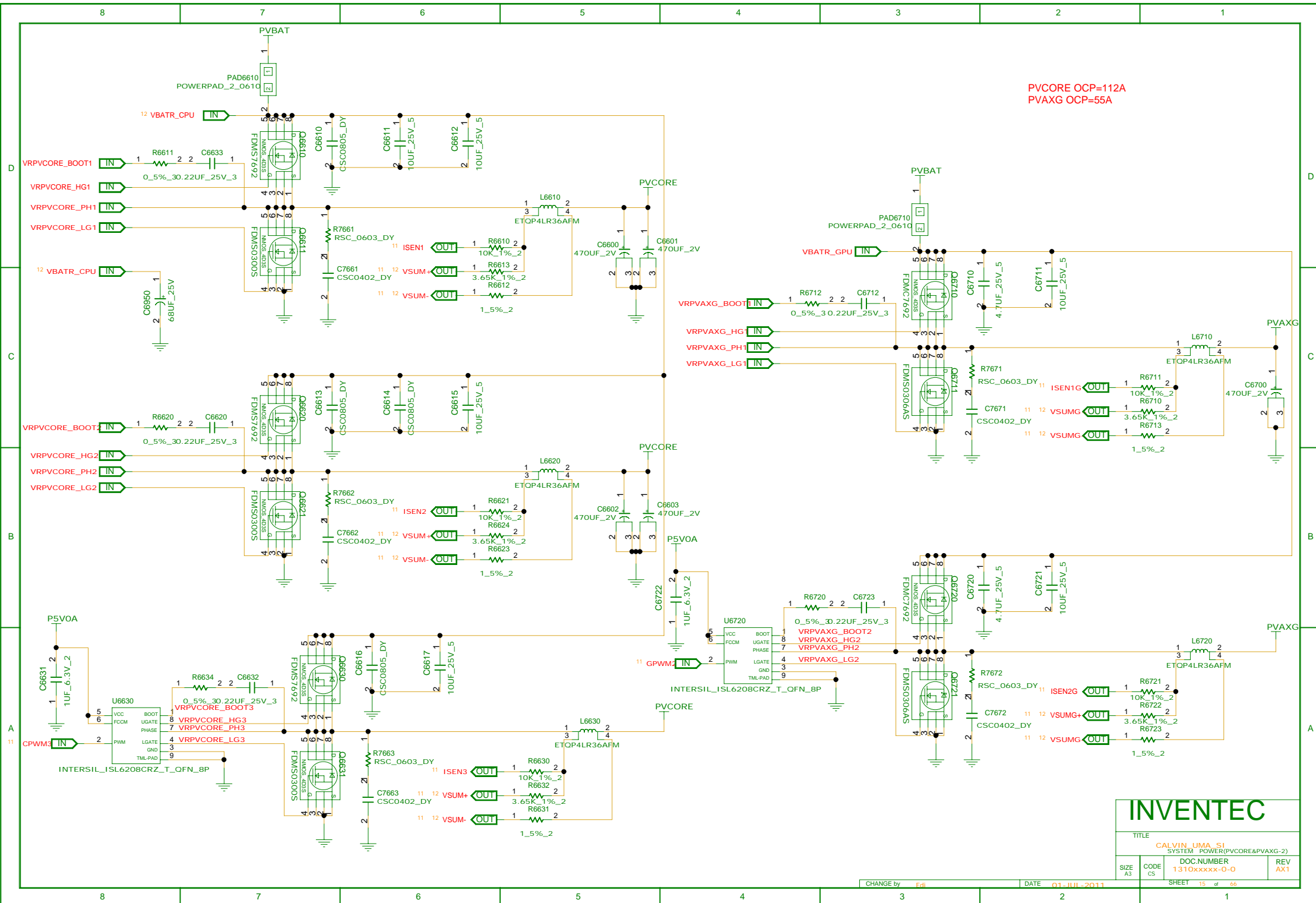
CHANGE by Edl DATE 01-JUL-2011

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INVENTEC

TITLE			
CALVIN_UMA_S1 SYSTEM_POWER(PVCORE&PVXG-1)			
DOC-NUMBER			
1310xxxxx-0-0			
SIZE	CODE	REV	
A3	CS	AX1	



EMPTY

INVENTEC

TITLE
CALVIN_UMA_SI
PVCORE_DGPU (SPARE)

SIZE 10	CODE 00	DOC.NUMBER 1310xxxxx-0-0	REV AX1
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SHEET 16 of 66

EMPTY

INVENTEC

TITLE
CALVIN LIMA SI

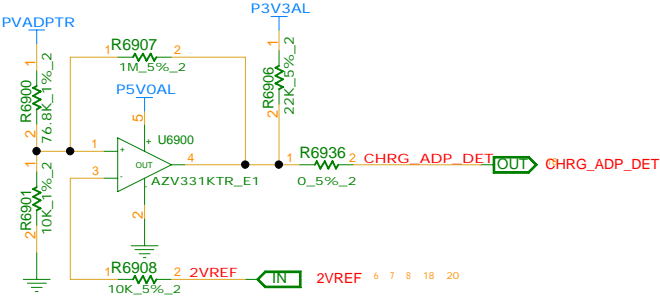
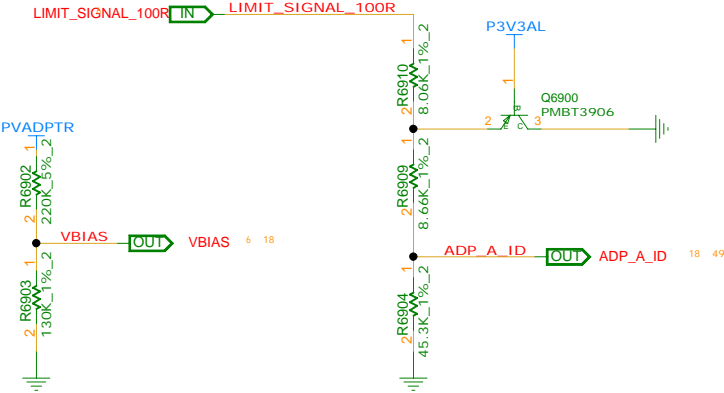
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SHEET 17 of

REV
AY1

SHEET 17 of

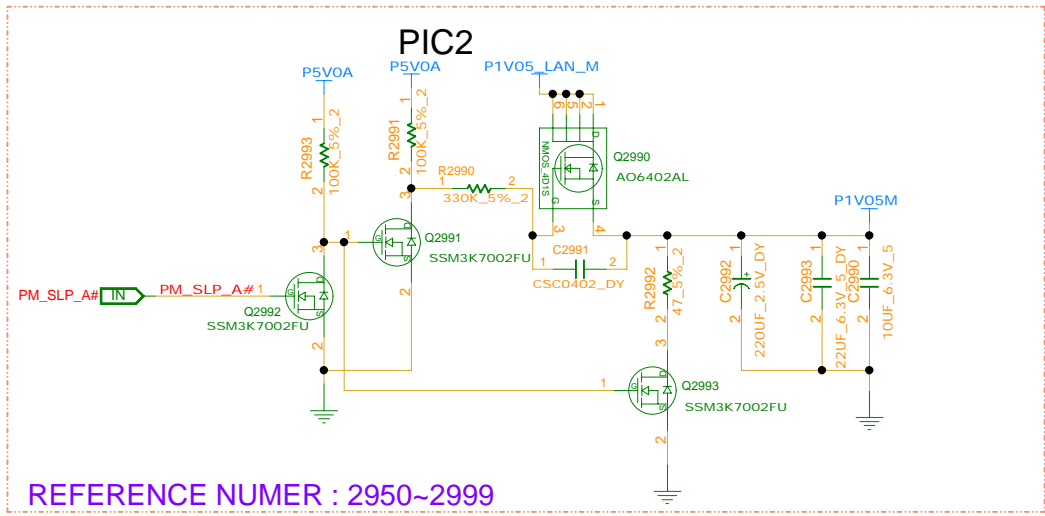
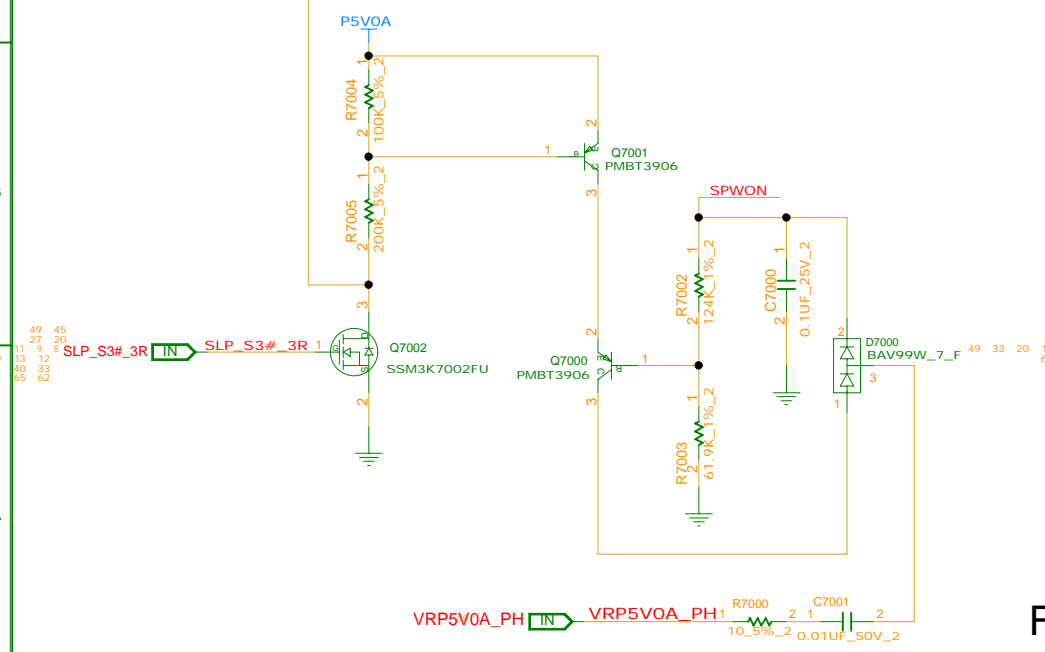
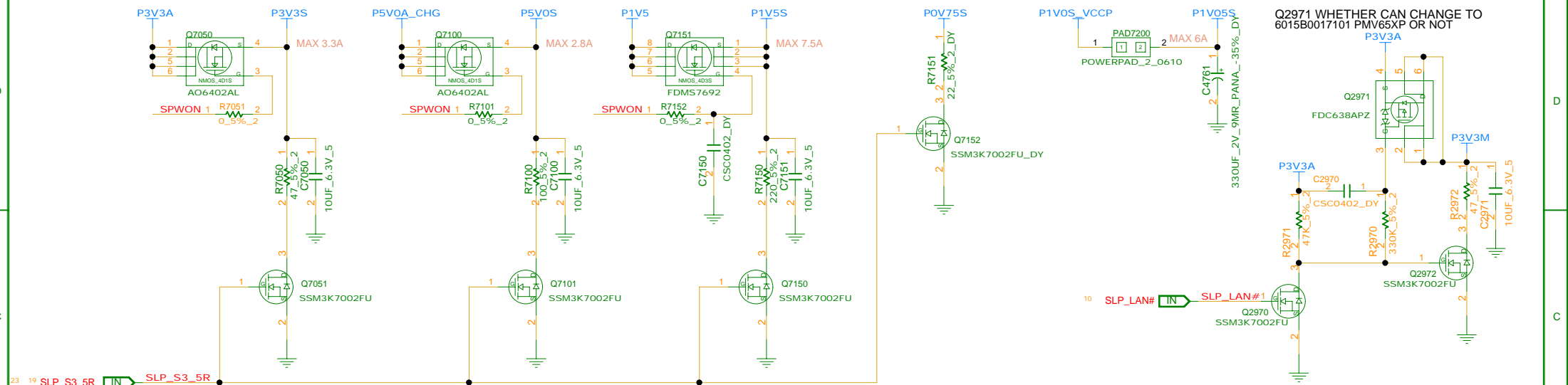
REFERENCE NUMBER : 6900~6999



INVENTEC

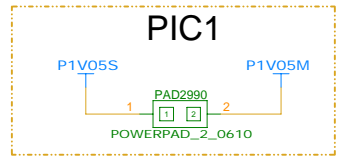
TITLE			
CALVIN_UMA_SI			
HP_OCP			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1

REFERENCE NUMER : 7000~7350



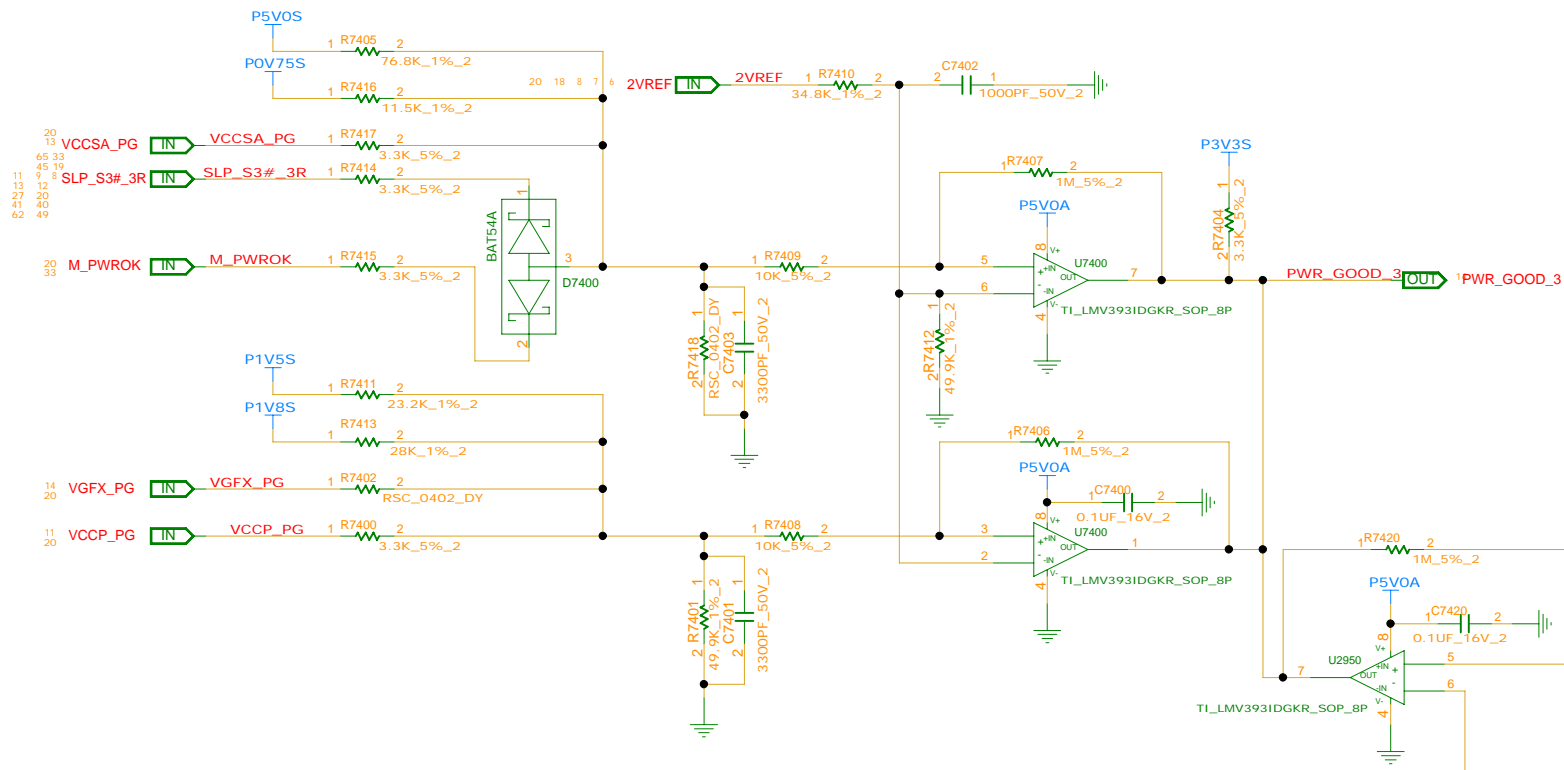
FOR IAMT

	PIC1	PIC2
NON-IAMT	INSTALL	UN-INSTALL
IAMT	UN-INSTALL	INSTALL



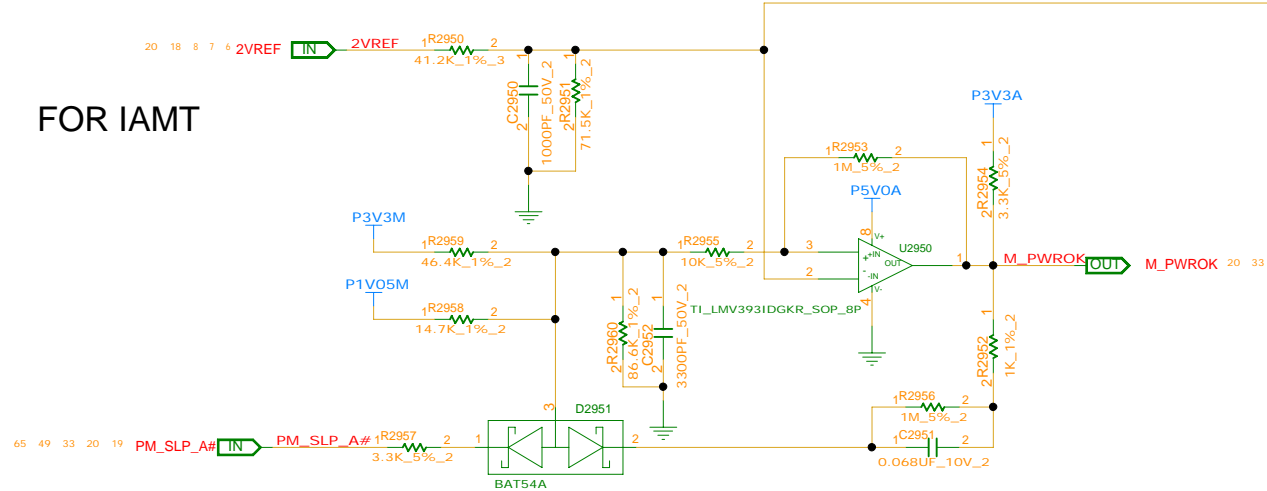
INVENTEC			
TITLE CALVIN_UMA_S1 POWER(SLEEP)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1
SHEET 19 of 66			

REFERENCE NUMER : 7400~7450



FOR IAMT

REFERENCE NUMER : 2950~2999

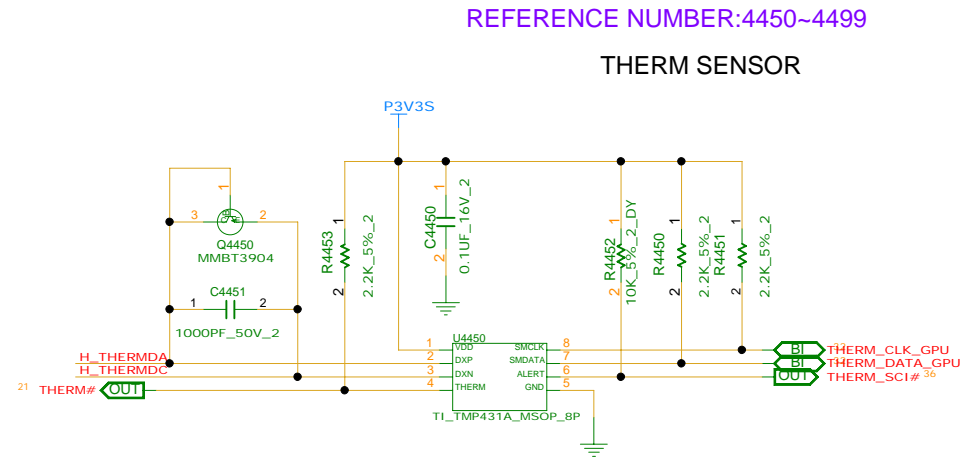
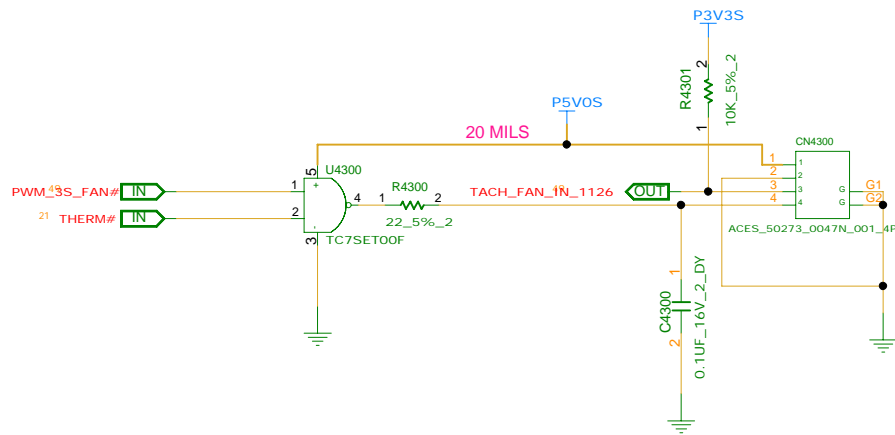


INVENTEC

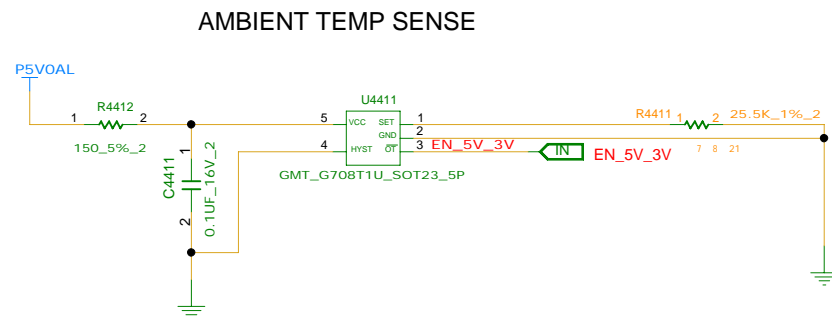
TITLE			
CALVIN_UMA_S1 POWER(SEQUENCE)			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1

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Fan speeds (RPM) :	2500	3300	3800	4300	5000	0	0	0
CPU temperature trip points :	45	57	68	80	91	0	0	0

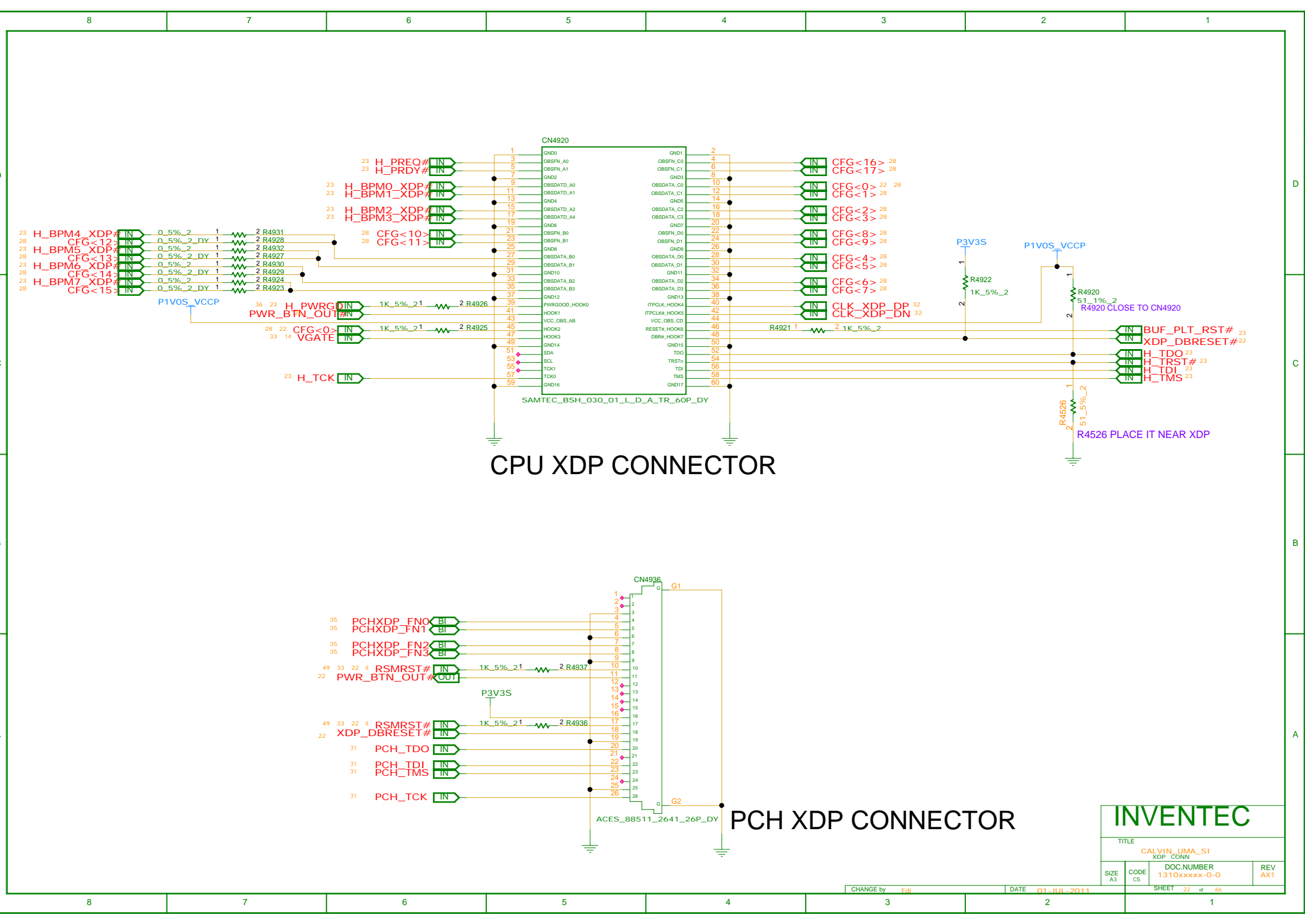


RSET (K OHM) = 0.0012T^2 - 0.9308T + 96.147
THERMAL SHUTDOWN AT 85 DEG.

REFERENCE NUMBER:4411~4449

INVENTEC			
TITLE			
CALVIN_UMA_S1 FAN & THERMAL			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1
SHEET 21 of 66			

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CPU XDP CONNECTOR

PCH XDP CONNECTOR

INVENTEC

TITLE			
CALVIN_UMA_S1 XDP_CONN			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1
SHEET 22 of 66			

REFERENCE NUMBER:4500~4699

POWER

CORE SUPPLY

SVID

SENSE LINES

PEG AND DDR

R4514,R4525,R4524 CLOSE TO CPU
P1V0S_VCCP

R4519,R4513 CLOSE TO VR

VR_SVID_ALERT#
VR_SVID_CLK
VR_SVID_DATA

VCCSENSE¹⁴
VSSSENSE¹⁴
ROUTE VCCSENSE & VSSSENSE WITH 27.40HM IMPEDANCE

VTT_SENSE¹¹
VSS_SENSE_VTT

INVENTEC

TITLE			
CALVIN_UMA-S1 I/VY BRIDGE-2 (POWER)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1

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CHANGE by Etl DATE 01-JUL-2011

FOX_PZ98927_3641_41F_HURONRIVER_989P_CHIEFRIVER

REFERENCE NUMBER:4500~4699

INVENTEC

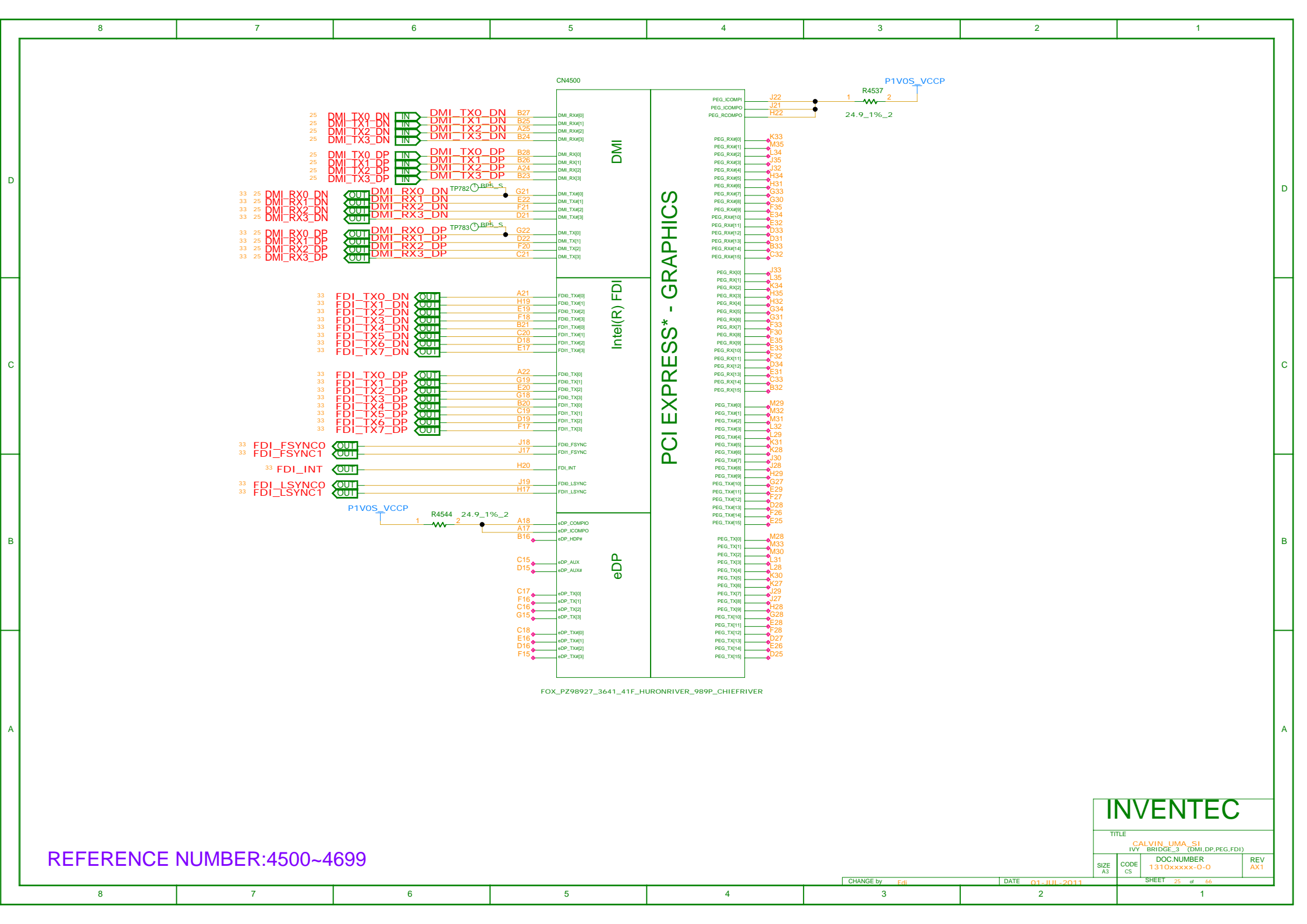
TITLE
CALVIN_UMA_S1
IVY BRIDGE_3 (DMI,DP,PEG,FDI)

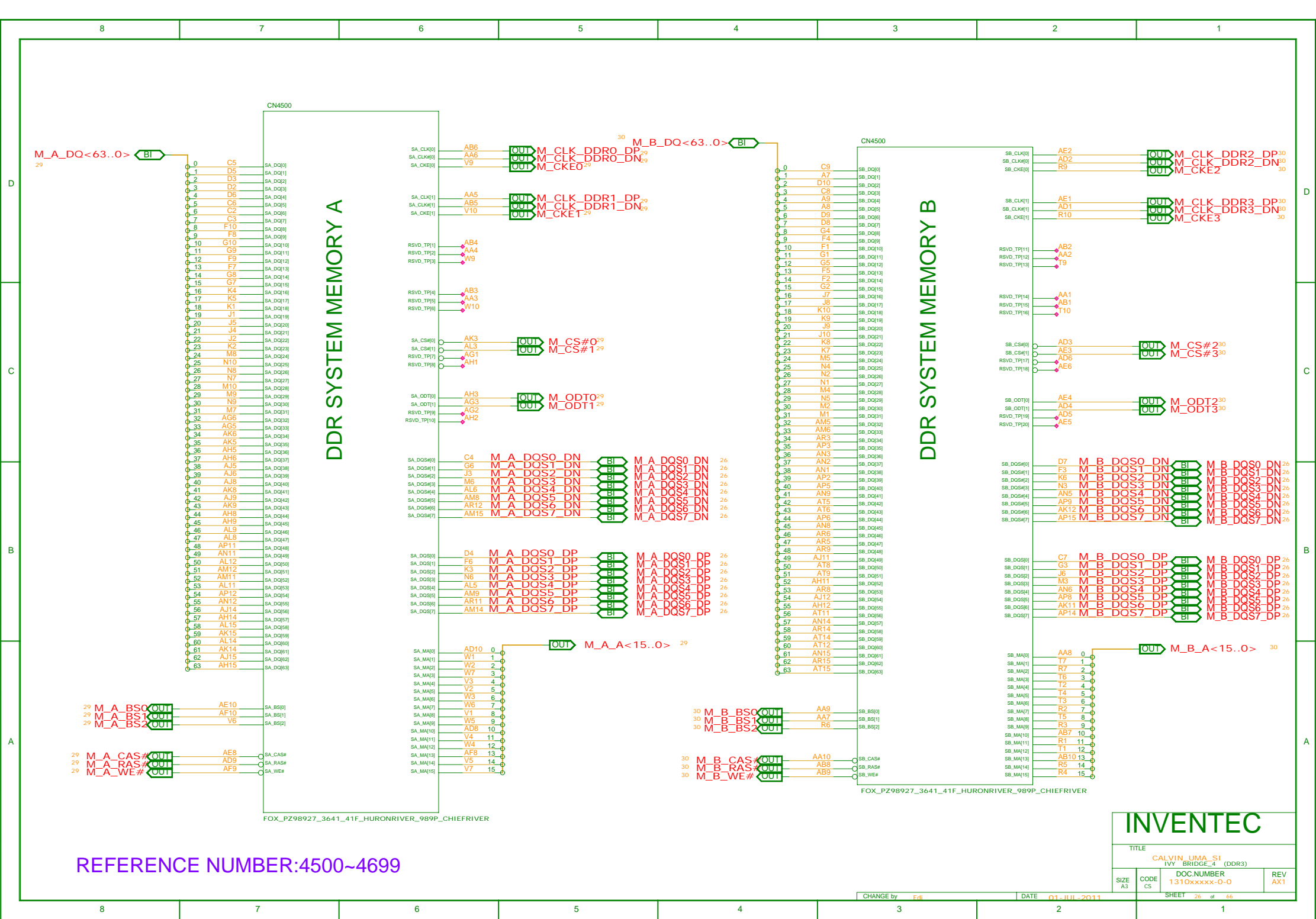
DOC NUMBER
1310xxxxx-0-0

REV
AX1

CHANGE by Fdi DATE 01-JUL-2011

SHEET 25 of 66





REFERENCE NUMBER:4500~4699

CN4500

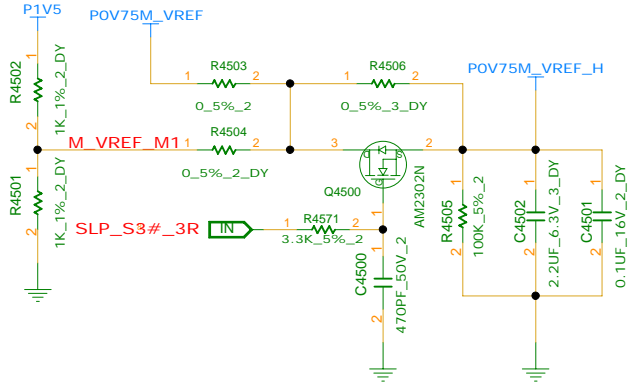
POWER

GRAPHICS

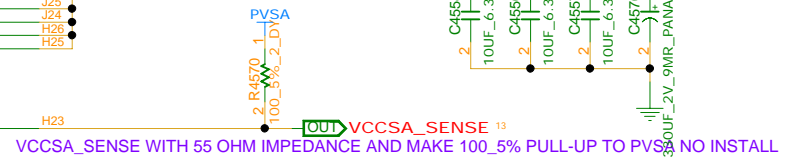
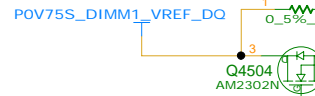
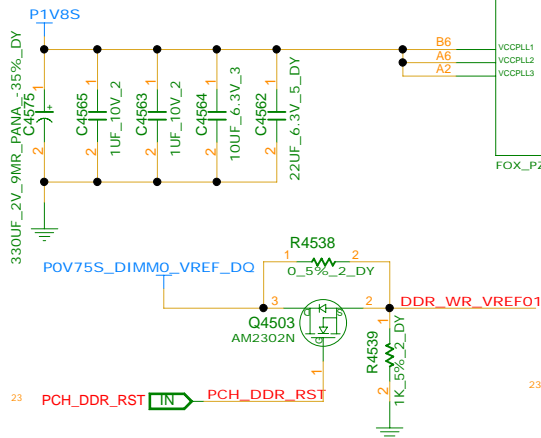
1.8V RAIL

FOX_PZ98927_3641_41F_HURONRIVER_989P_CHIEFRIVER

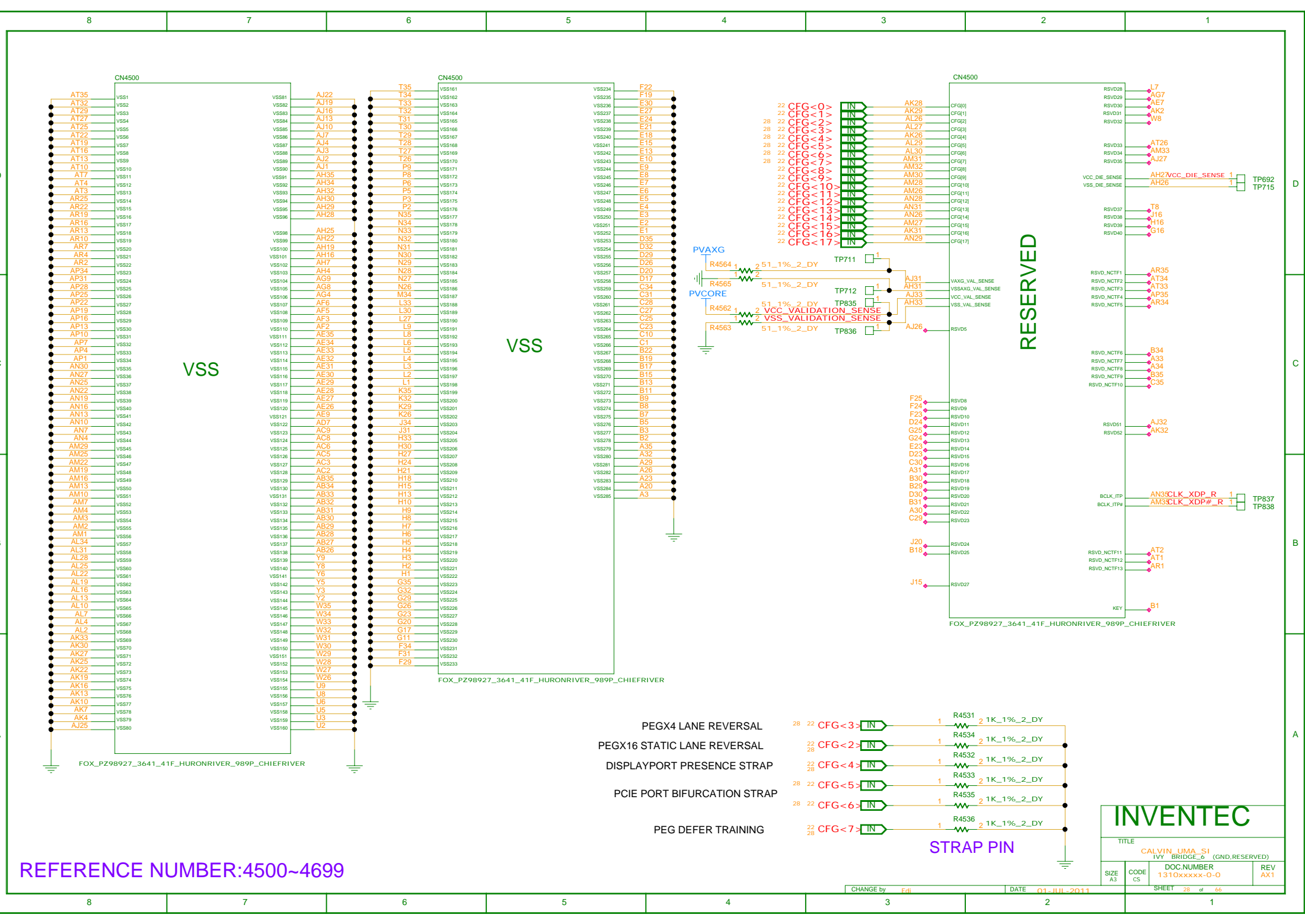
ROUTE GFX_VCC_SENSE & GFX_VSS_SENSE WITH 27.4OHM IMPEDANCE.



STITCHING CAP.
SHOULD BE PLACED CLOSE TO CPU

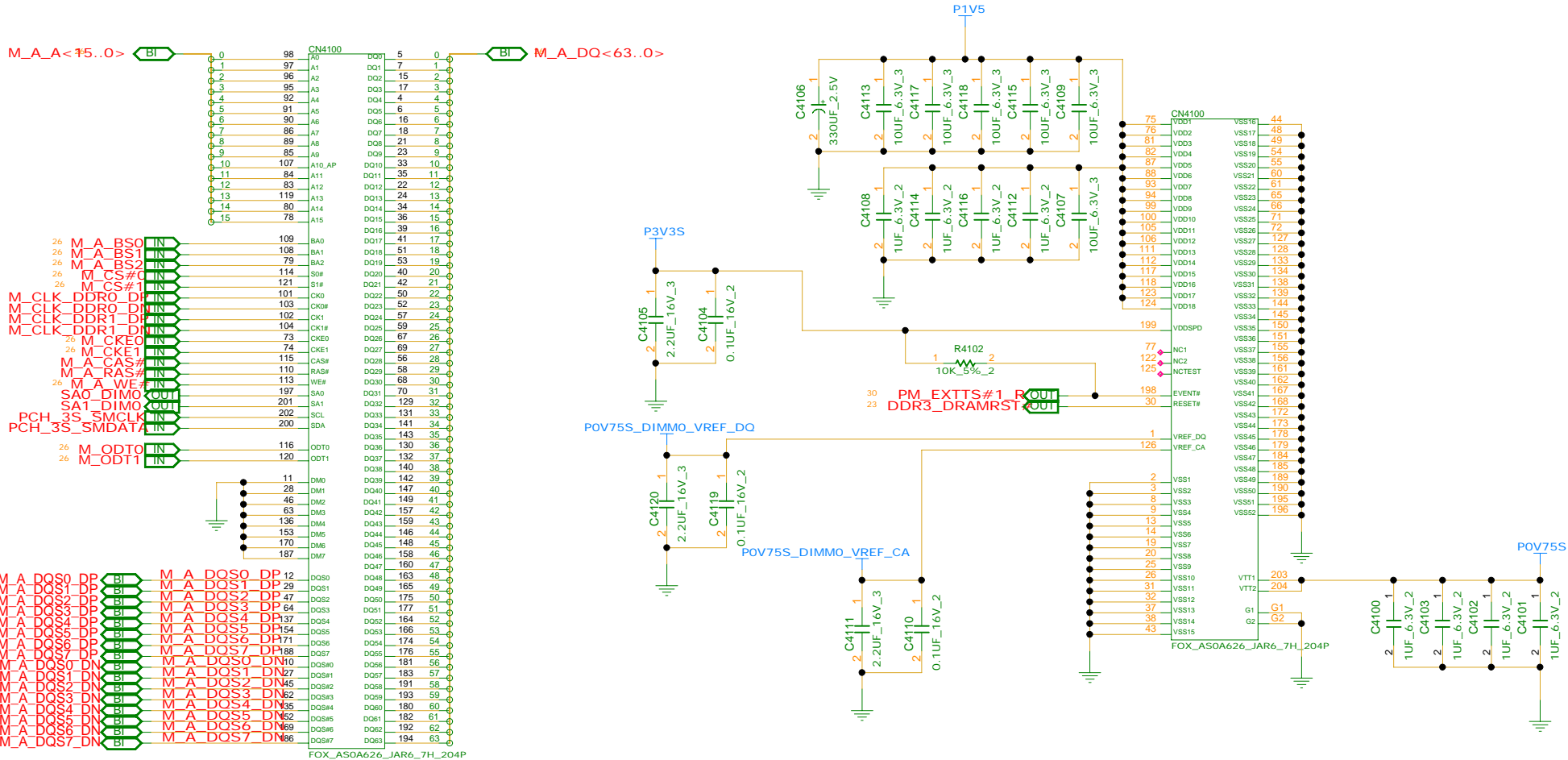


INVENTEC			
TITLE			
CALVIN_UMA_S1			
IVY BRIDGE_5 (GRAPHICS POWER)			
SIZE A3	CODE	DOC NUMBER	REV
		1310xxxxx-0-0	AX1
SHEET 27 of 66			



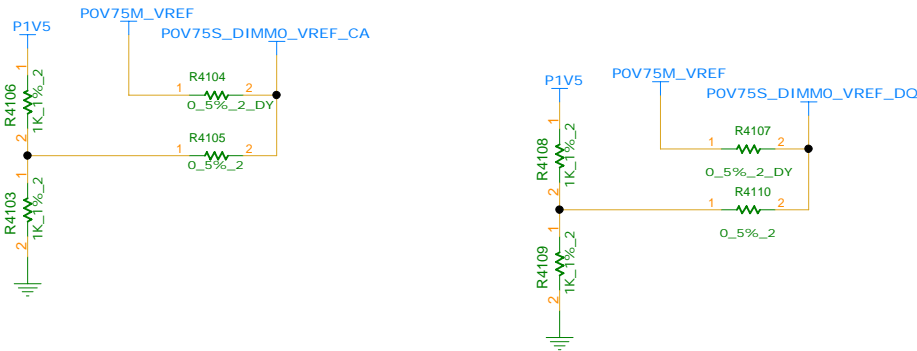
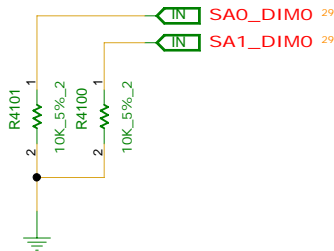
REFERENCE NUMBER:4500~4699

INVENTEC			
TITLE			
CALVIN_UMA-S1 I/VY BRIDGE_6 (GND, RESERVED)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1
SHEET 28 of 66			



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

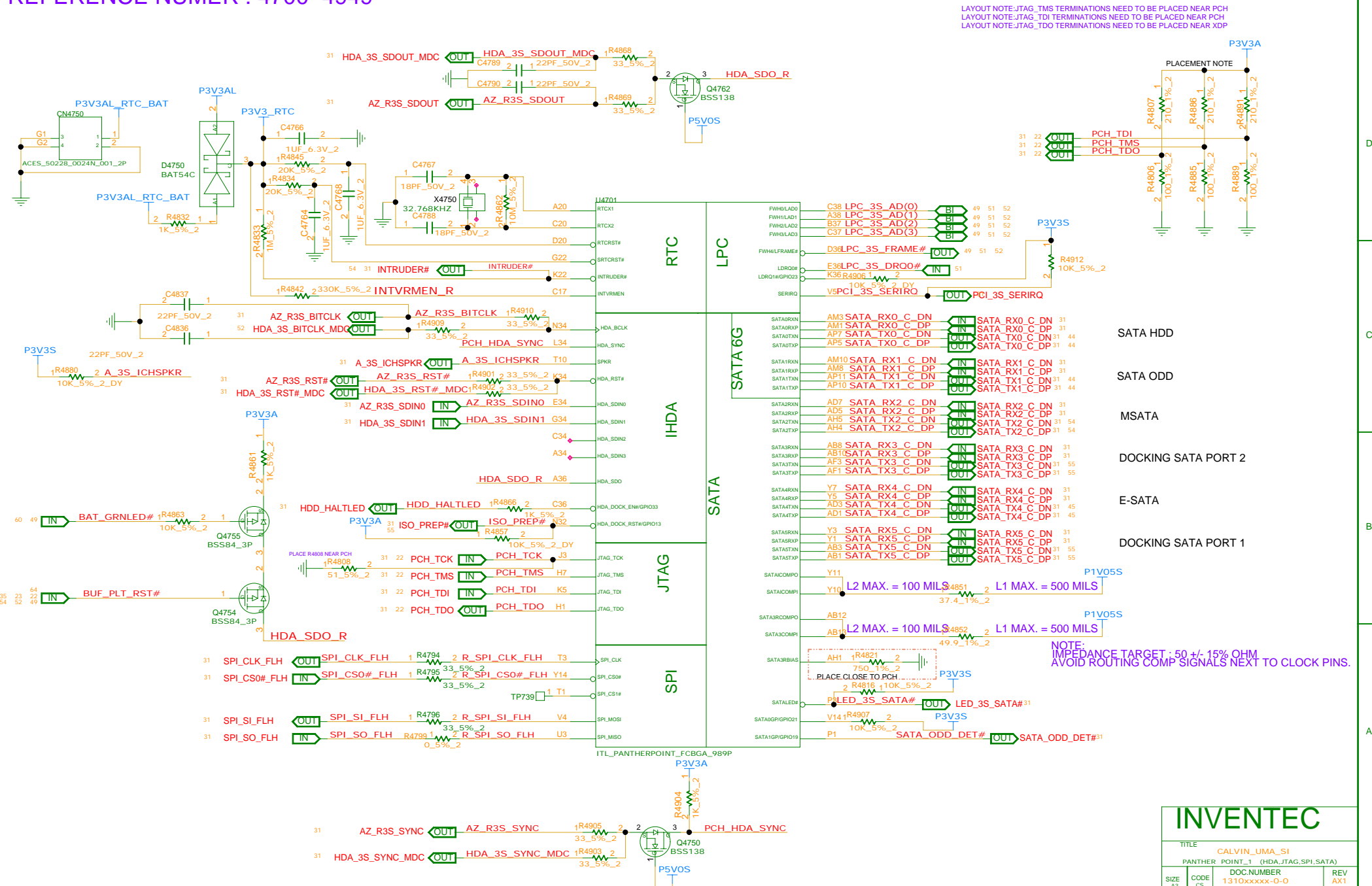
 IF SA0_DIM0=1, SA1_DIM0=0
 SO-DIMMA SPD ADDRESS IS 0XA2
 SO-DIMMA TS ADDRESS IS 0X32



REFERENCE NUMBER:4100~4299

INVENTEC			
TITLE			
CALVIN_UMA_S1			
DDR3_SO-DIMM0			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	AX1
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REFERENCE NUMBER : 4700~4949



INVENTEC

TITLE			
CALVIN_UMA_SI			
PANTHER POINT_1 (HDA,JTAG,SPI,SATA)			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV AX1

CHANGE by	Edi	DATE	01-III-2011
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The schematic diagram illustrates the P3V3A power plane, which is a 3-layer PCB. It shows the following components and connections:

- EXPRESS CARD:**
 - CLKREQ_EXP# (R4908, 10K_5%-2)
 - GPI018 (R4810, 10K_5%-2)
- MEDIA CARD:**
 - CLKREQ_PCIE_CARD# (R4798, 10K_5%-2)
 - CLKREQ_WLAN# (R4855, 10K_5%-2)
 - PCH_3M_SMCLK (R4797, 2.2K_5%-2)
 - PCH_3M_SMDATA (R4884, 2.2K_5%-2)
 - GPI056 (R4867, 10K_5%-2)
 - GPI073 (R4809, 10K_5%-2)
 - GPI046 (R4864, 10K_5%-2)
- WLAN:**
 - TP780 (TP780, 0.1UF, 16V_2)
 - TP781 (TP781, 0.1UF, 16V_2)
- Other Components:**
 - R4908, R4810, R4798, R4855, R4797, R4884, R4867, R4809, R4864
 - TP780, TP781
 - TP780, TP781
- Connectors and Pads:**
 - EXPRESS_CARD (EXPRESS_CARD)
 - MEDIA_CARD (MEDIA_CARD)
 - WLAN (WLAN)
 - TP780 (TP780)
 - TP781 (TP781)

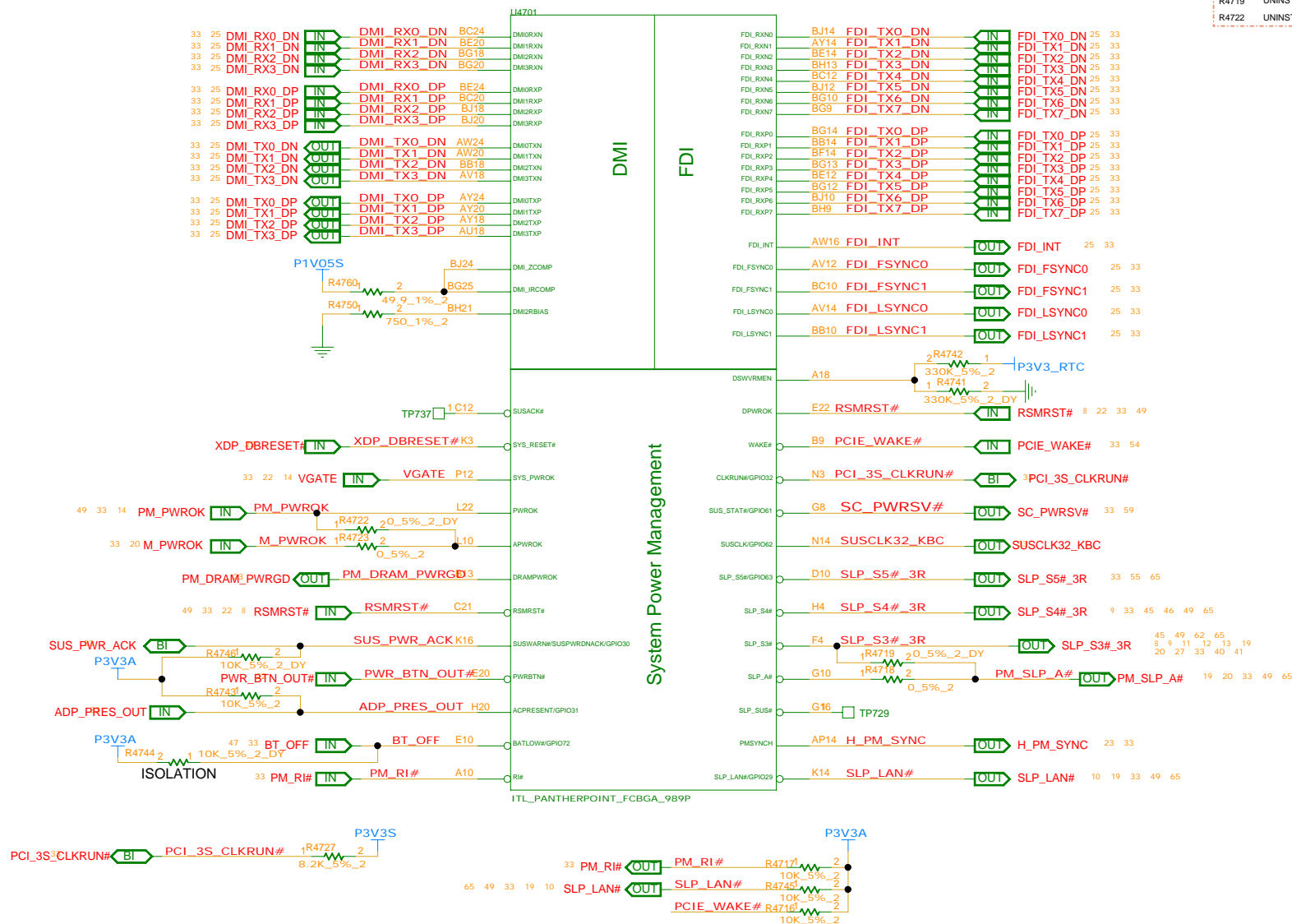


REFERENCE NUMBER : 4700~4949

NOTE:

- 1.SLP_SUS AND SUSACK# ARE NC IF DSW IS NOT SUPPORTED
- 2.DPWROK SHOULD CONNECT TO RSMRST# IF DSW NOT SUPPORTED
- 3.PCH_DPWROK PULL UP TO P3V3S ENABLES DSW WUPPORT. NO INSTALL R4752 TO DISABLE DSW

	IAMT	NON-IAMT
R4718	INSTALL	UNINSTALL
R4723	INSTALL	UNINSTALL
R4719	UNINSTALL	INSTALL
R4722	UNINSTALL	INSTALL



INVENTEC

TITLE
CALVIN_UMA_SI PANTHER_POINT_3 (DMI,FDI,GPIO)

SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	R A
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SHEET 33 of 66

REFERENCE NUMBER : 4700~4949

D

D

C

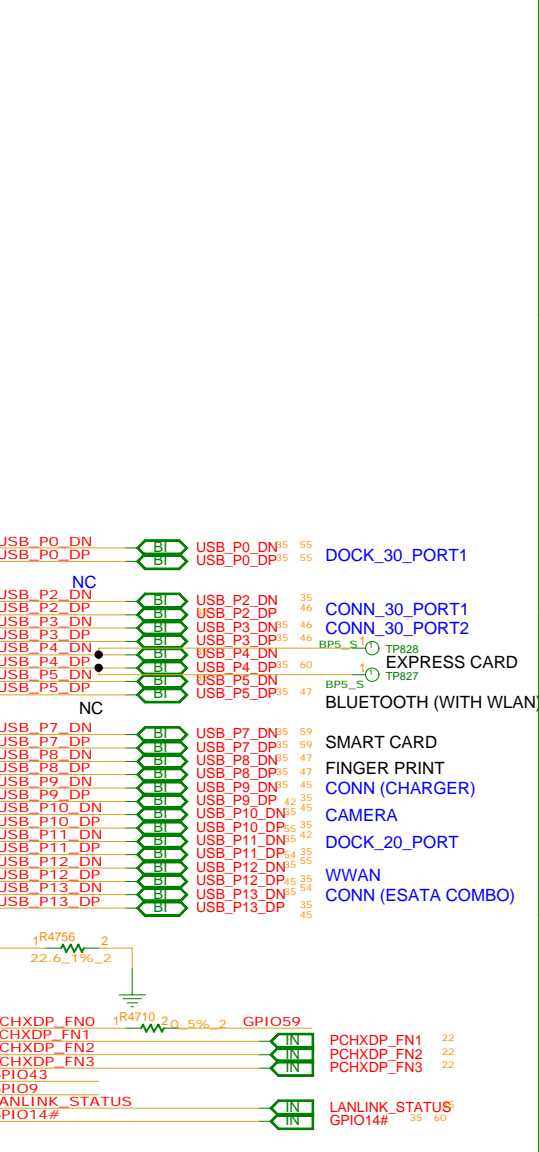
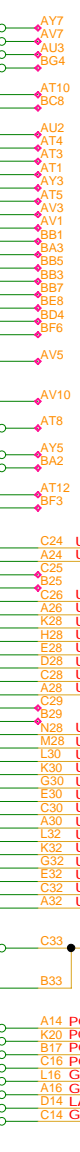
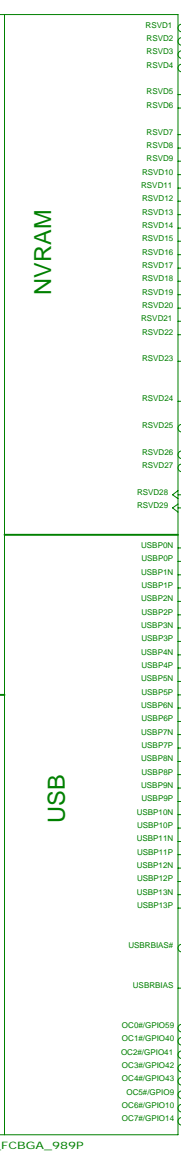
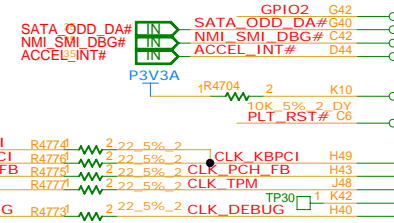
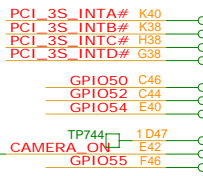
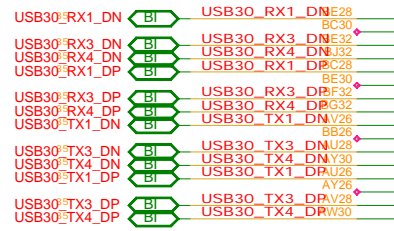
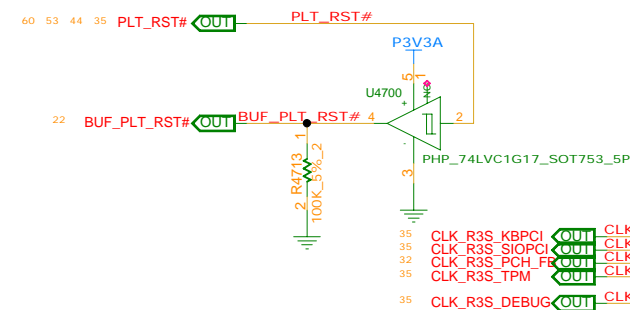
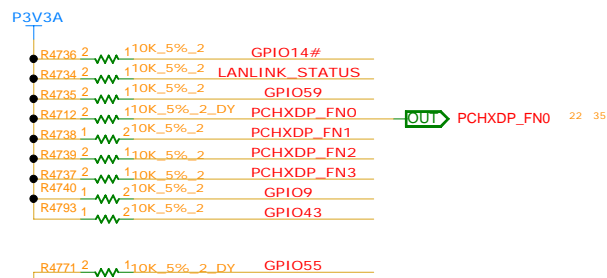
C

B

B

A

A



INVENTEC

TITLE

CALVIN_LUMA_SI

PANTHER_POINT_5 (PCI,USB,NVRAM)

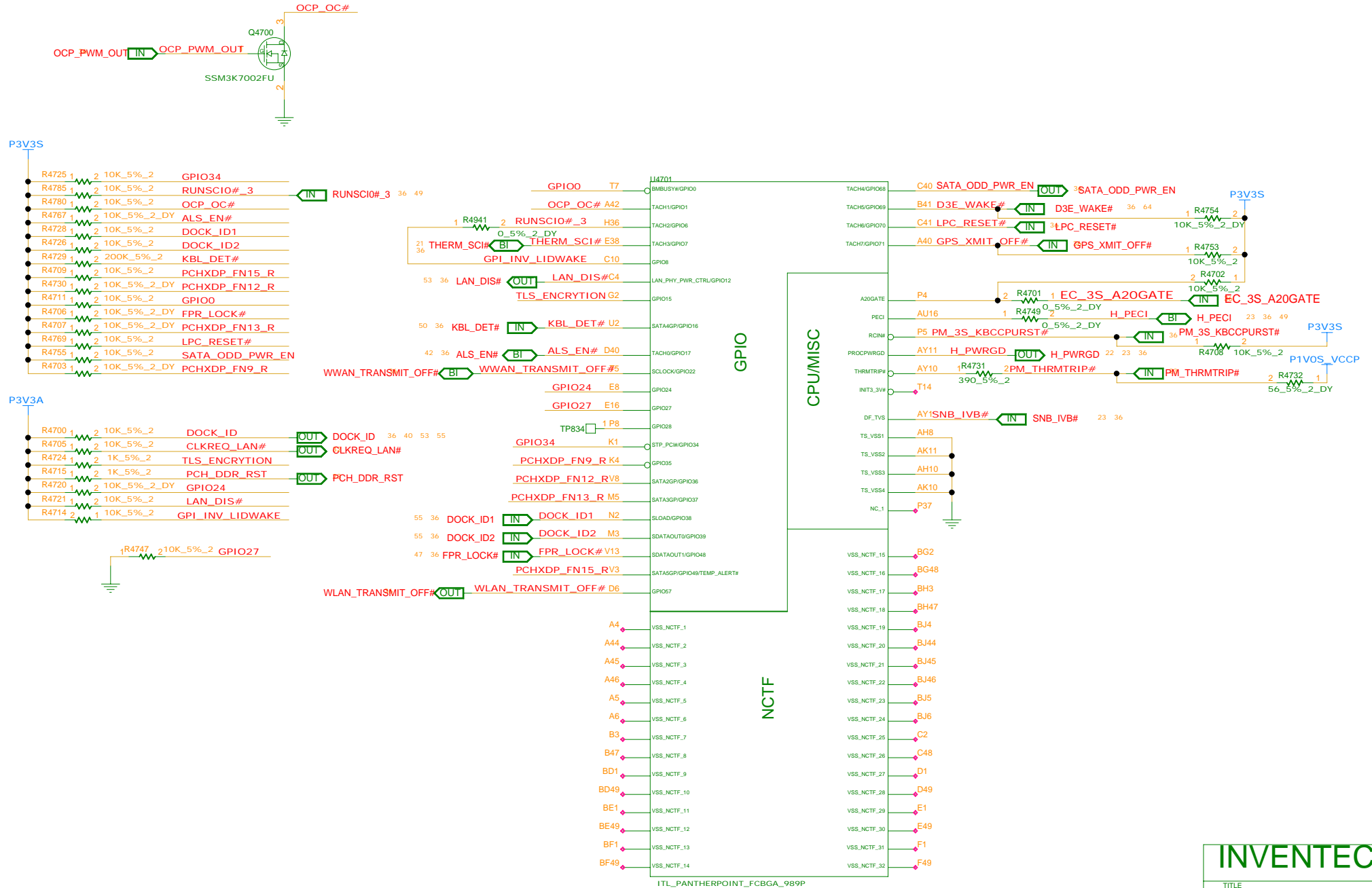
SIZE A3 CODE CS

DOC.NUMBER 1310xxxxx-0-0

REV AX1

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REFERENCE NUMBER : 4700~4949



INVENTEC

TITLE
CALVIN_UMA_SI PANTHER POINT_6 (GPIO,VSS_NCFT,RSVD)

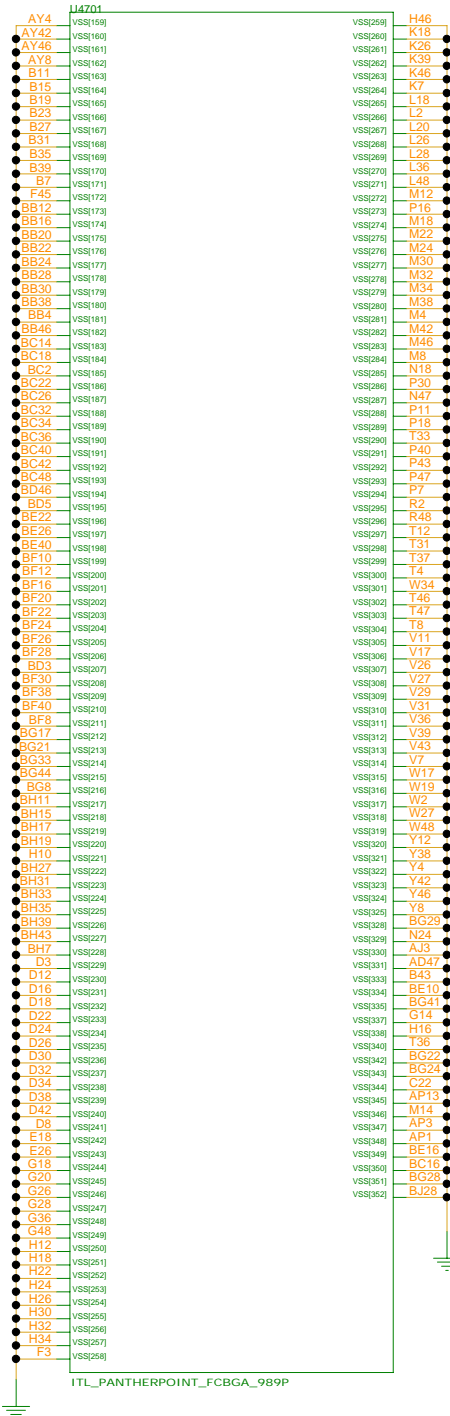
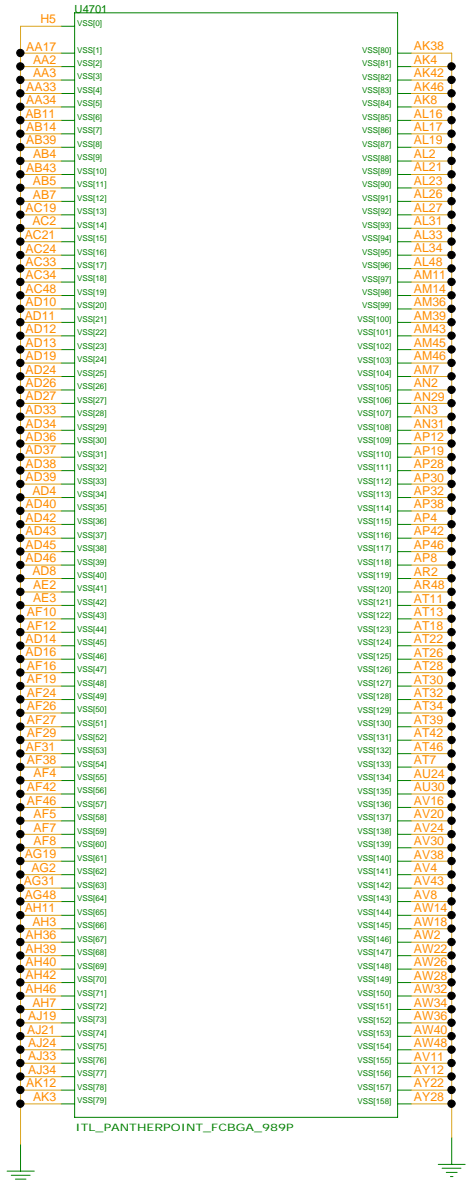
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV AX1
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CHANGE by	Edi	DATE	01-JUL-2011
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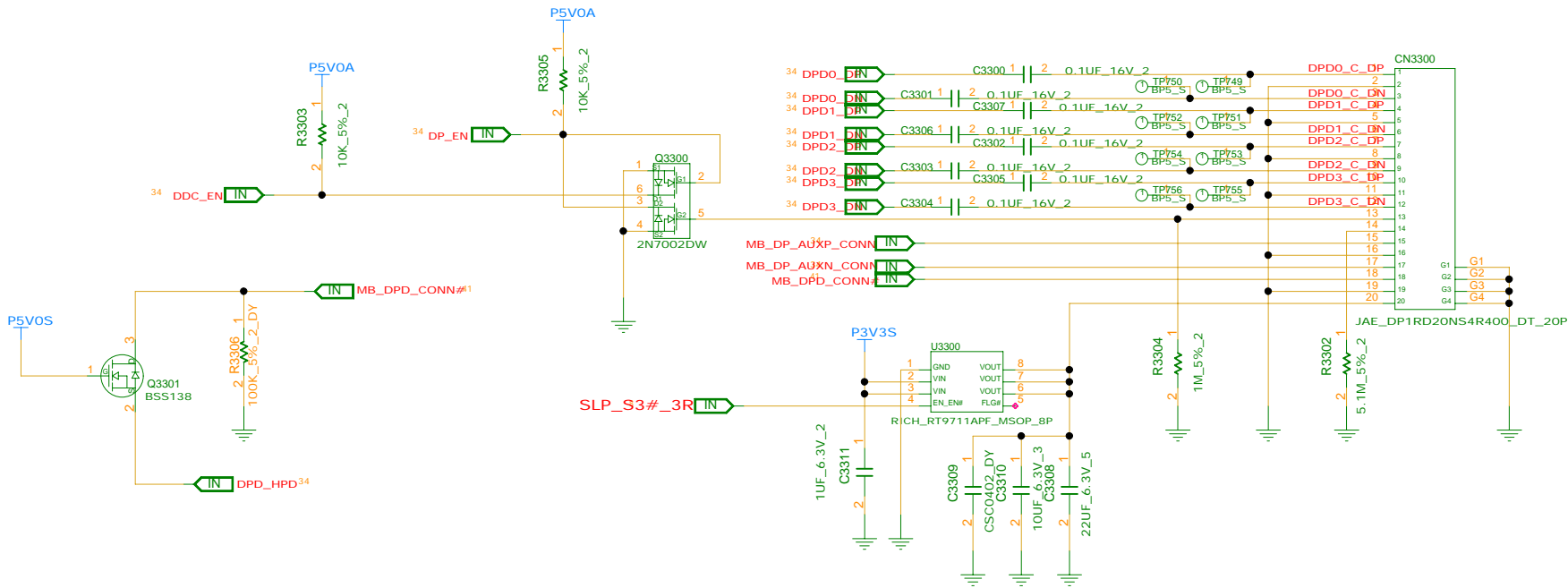
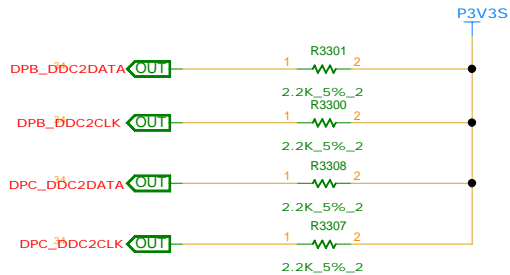
1

REFERENCE NUMBER : 4700~4949



INVENTEC

TITLE			
CALVIN_UMA_S1 PANTHER POINT_9 (GND)			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1



REFERENCE NUMBER:3300~3399

INVENTEC			
TITLE			
CALVIN_UMA_S1 DISPLAY_PORT_CNTR			
DOC NUMBER			
1310xxxxx-0-0			
REV			
AX1			
SIZE	CODE	SHEET	
A3	CS	41 of 66	

D

C

B

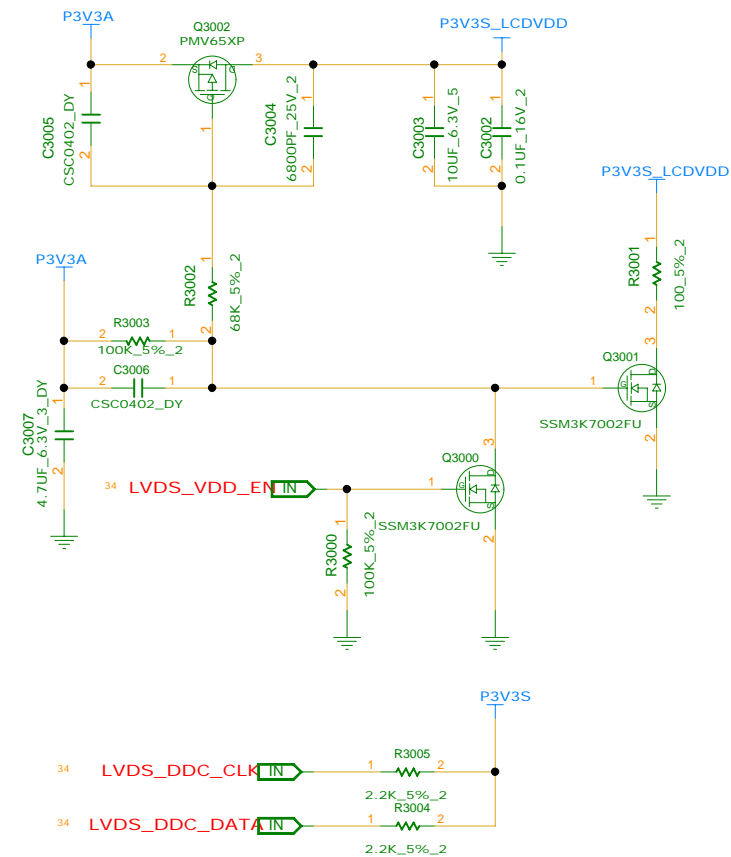
A

D

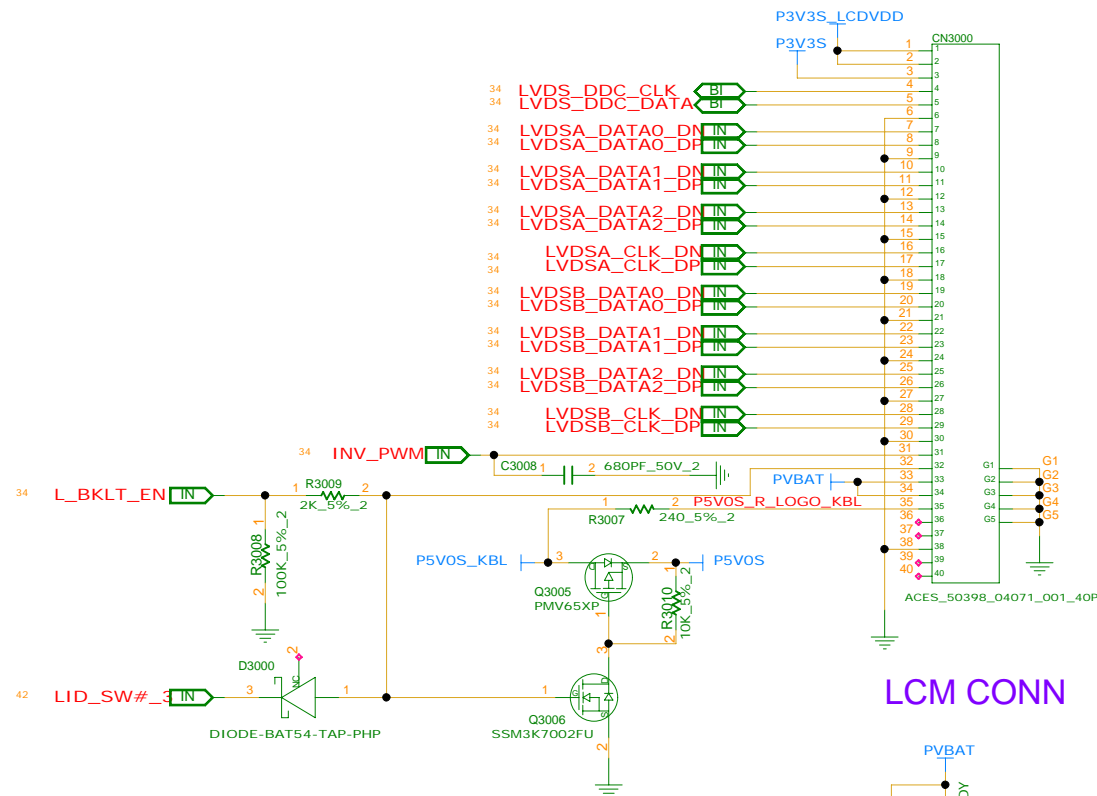
C

B

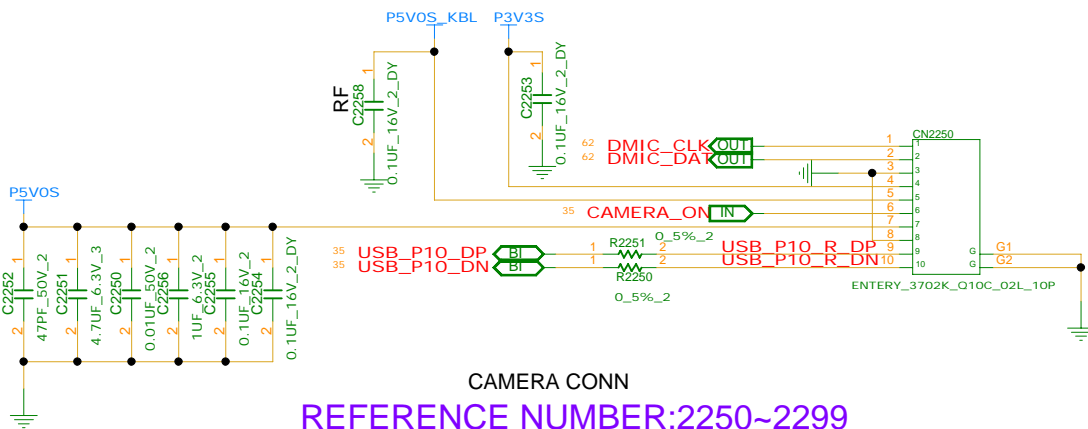
A



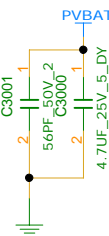
REFERENCE NUMBER:3000~3049



LCM CONN



CAMERA CONN
REFERENCE NUMBER:2250~2299



INVENTEC

TITLE			
CALVIN_UMA_S1 LCM & WEBAM			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1
SHEET 42 of 66			

EMPTY

REFERENCE NUMBER:3400~3499

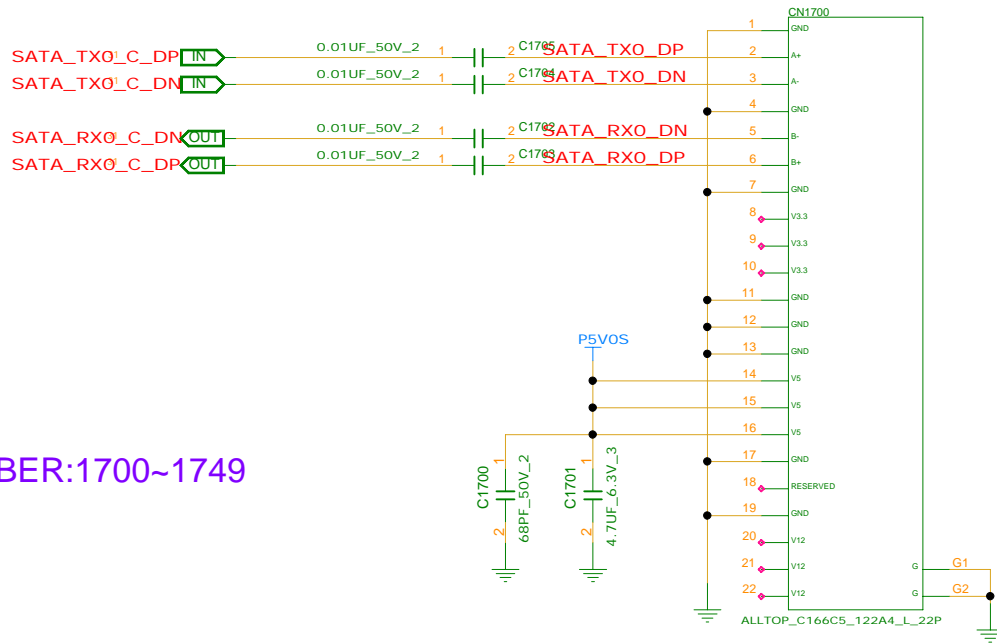
INVENTEC

TITLE
CALVIN_UMA_SI
EDP TO LVDS (SPARE)

SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV AX1
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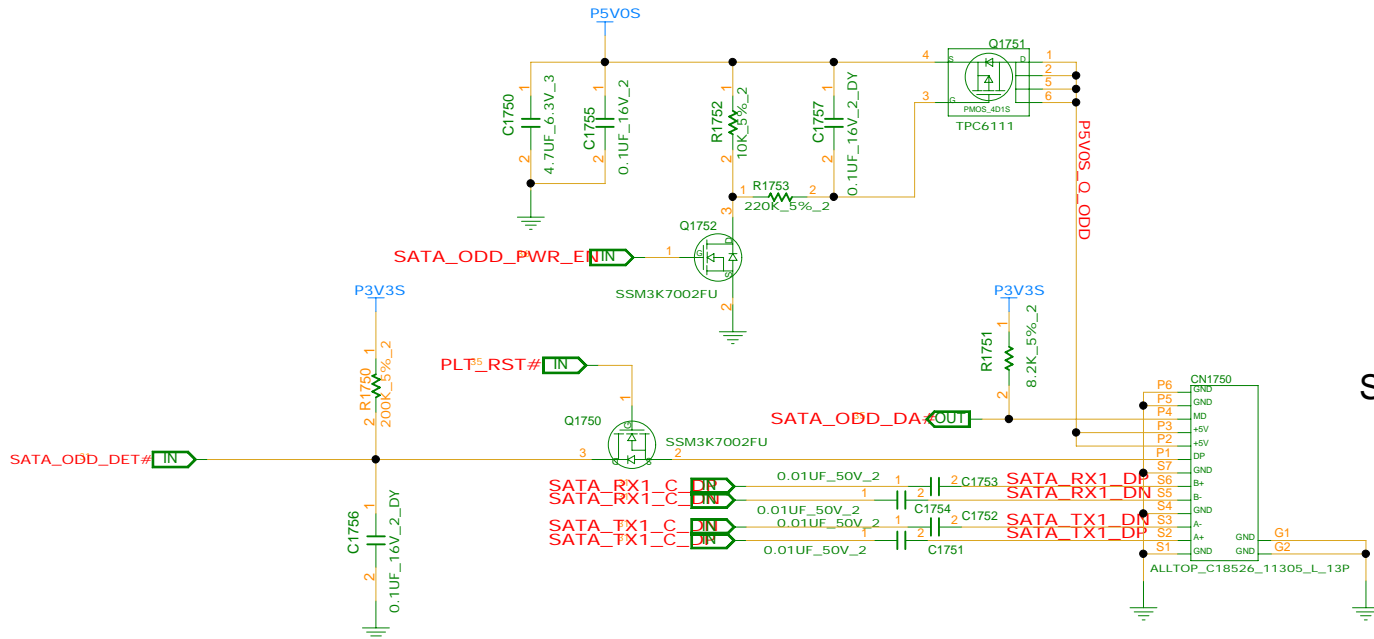
SHEET 43 of 66

REFERENCE NUMBER:1700~1749



SATA HDD

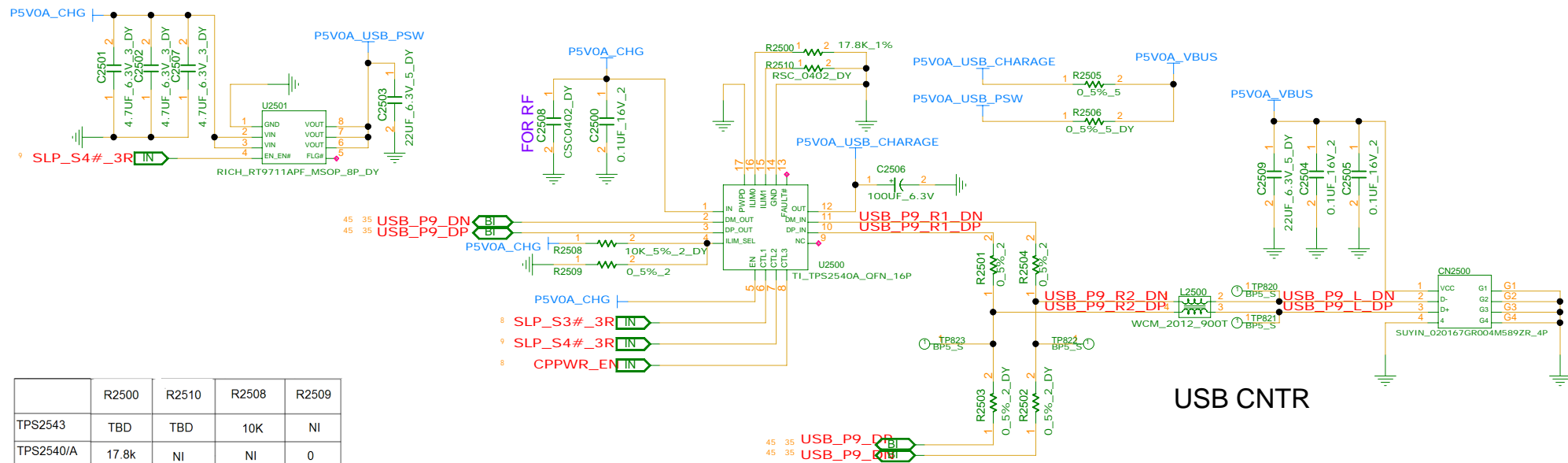
REFERENCE NUMBER:1750~1799



SATA ODD

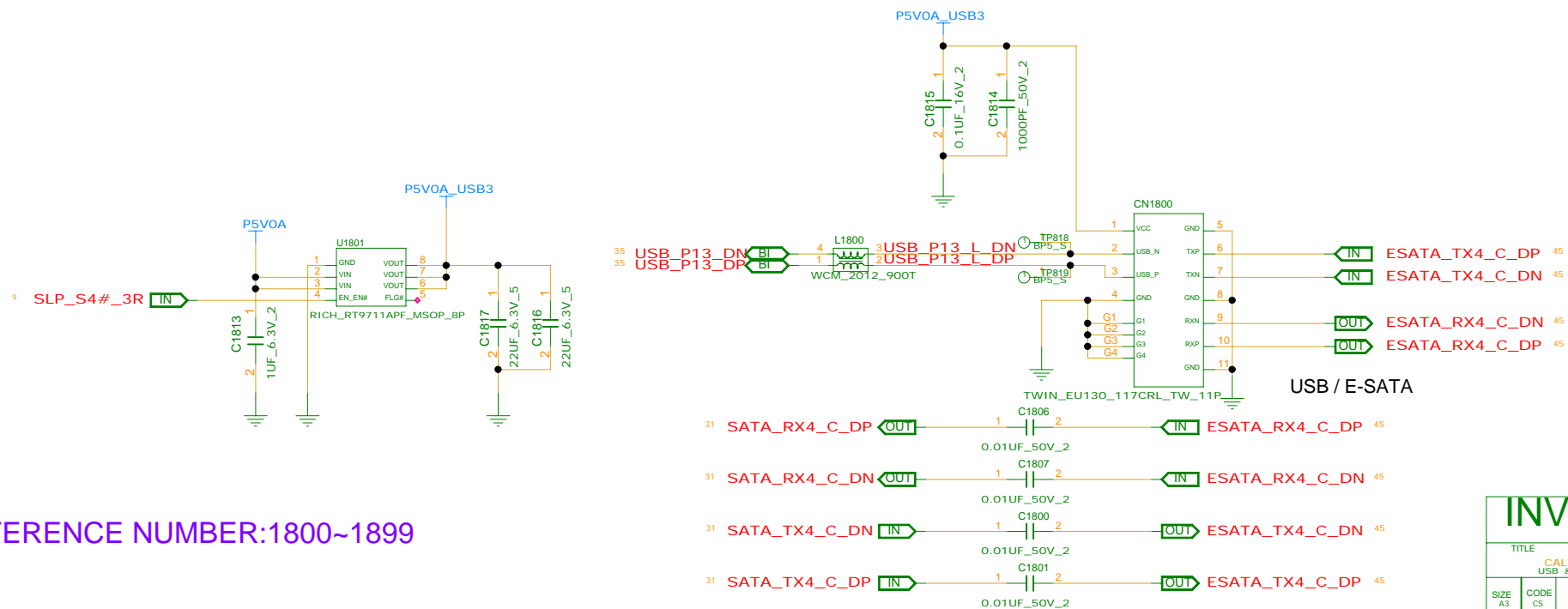
INVENTEC

TITLE			
CALVIN_UMA_S1 SATA HDD & ODD CNTR			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1
SHEET 44 of 66			



	R2500	R2510	R2508	R2509
TPS2543	TBD	TBD	10K	NI
TPS2540/A	17.8k	NI	NI	0

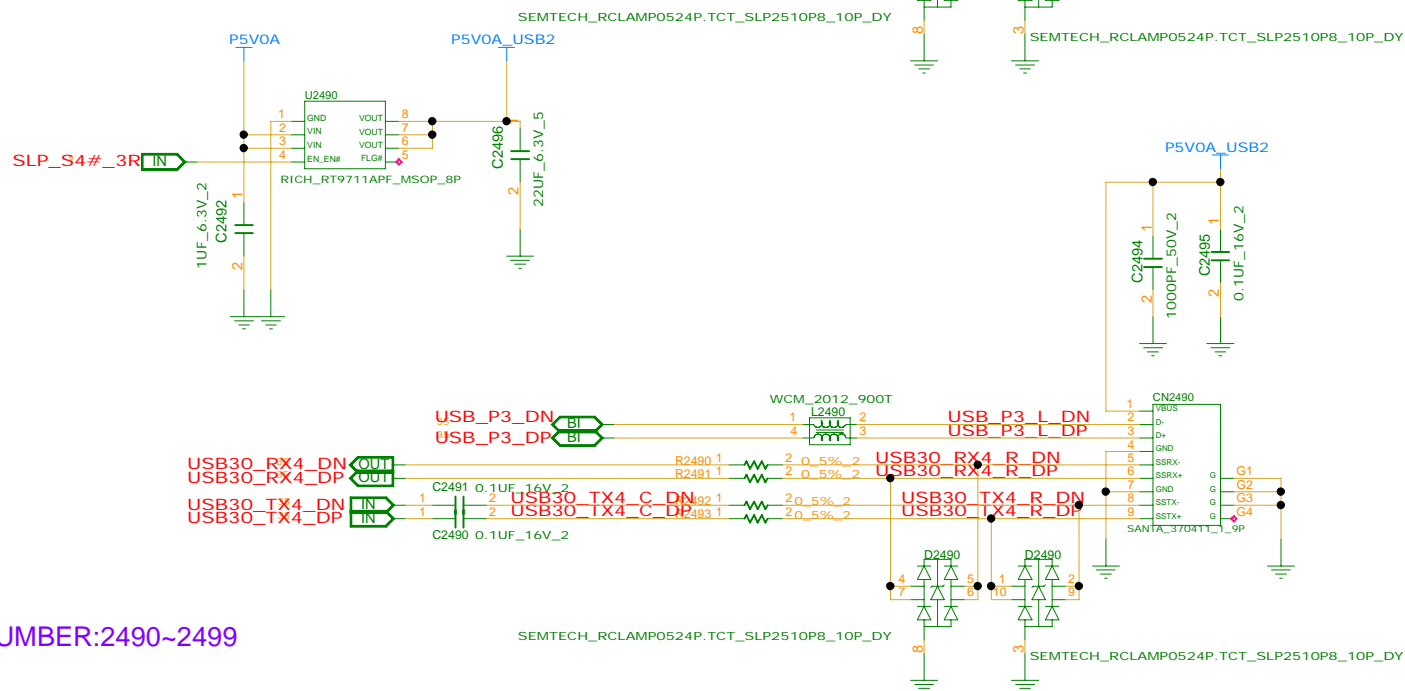
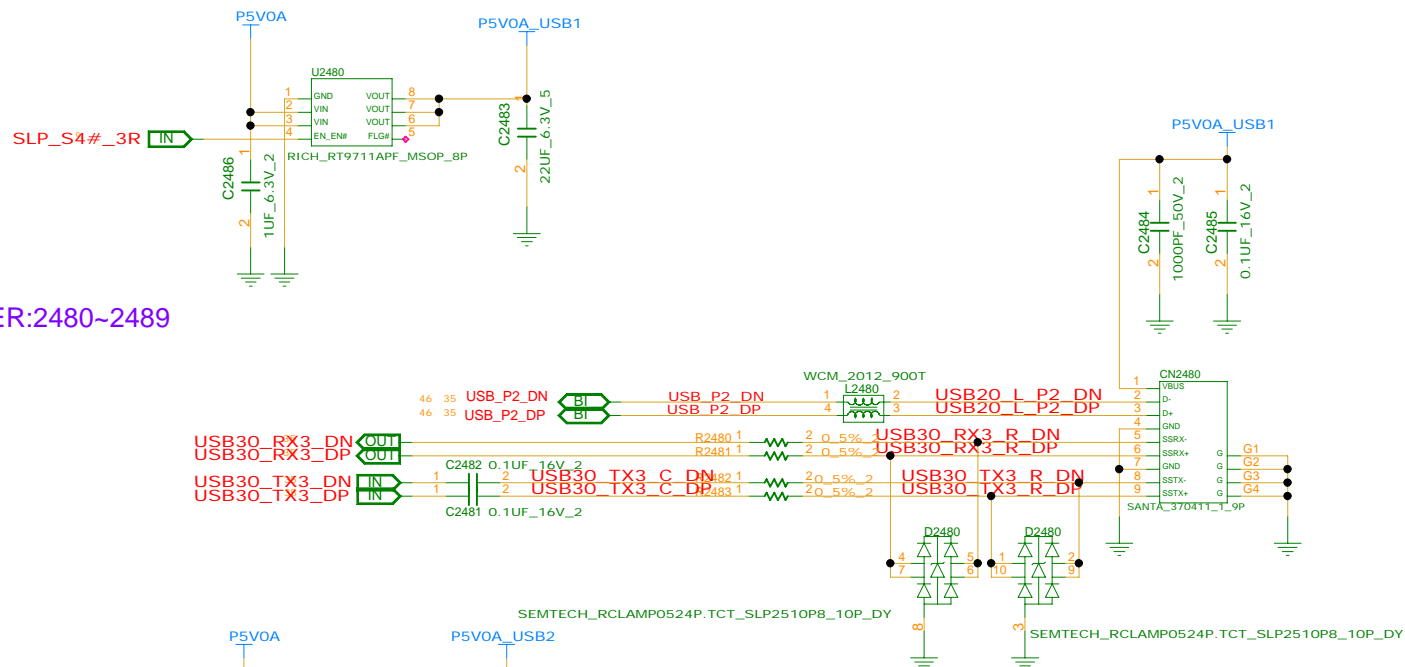
REFERENCE NUMBER:2500~2599



REFERENCE NUMBER:1800~1899

INVENTEC

TITLE			
CALVIN_UMA_SI USB & ESATA COMBO / USB CHARGER			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV AX1

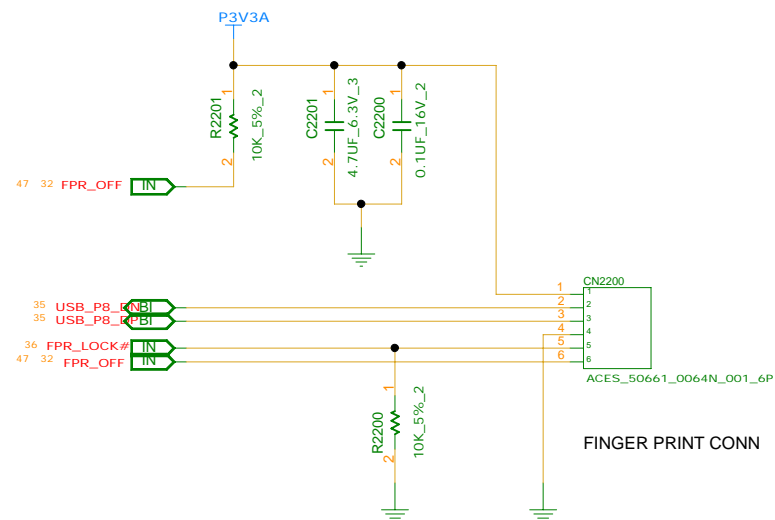
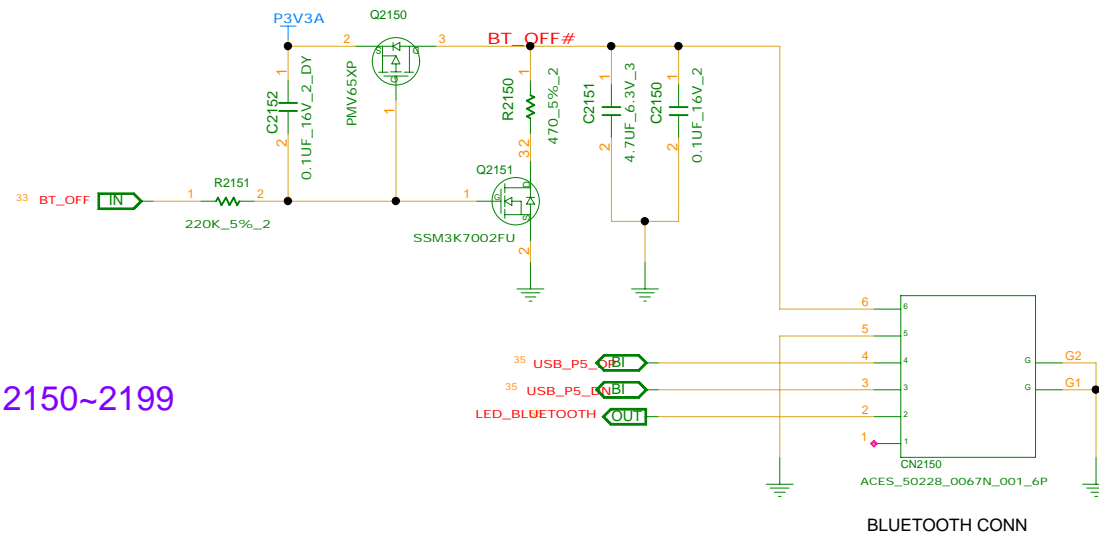


INVENTEC

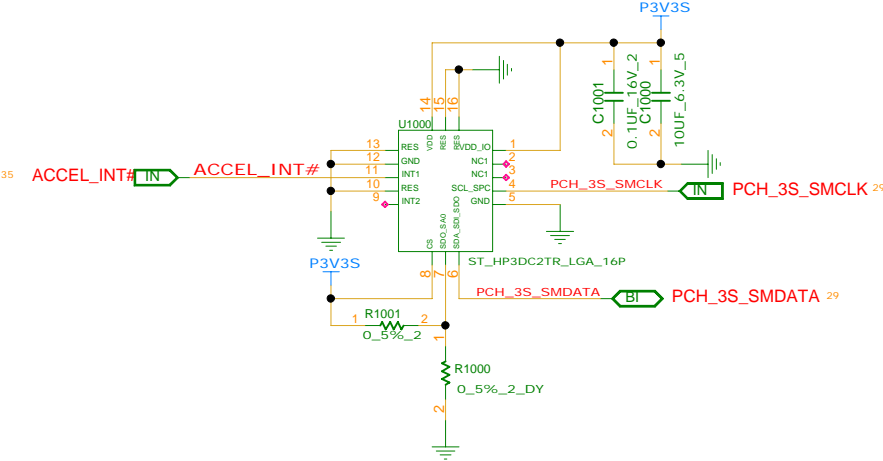
TITLE			
CALVIN_UMA_SI			
USB_CONN			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1

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SHEET 46 of 66



REFERENCE NUMER : 1000~1099

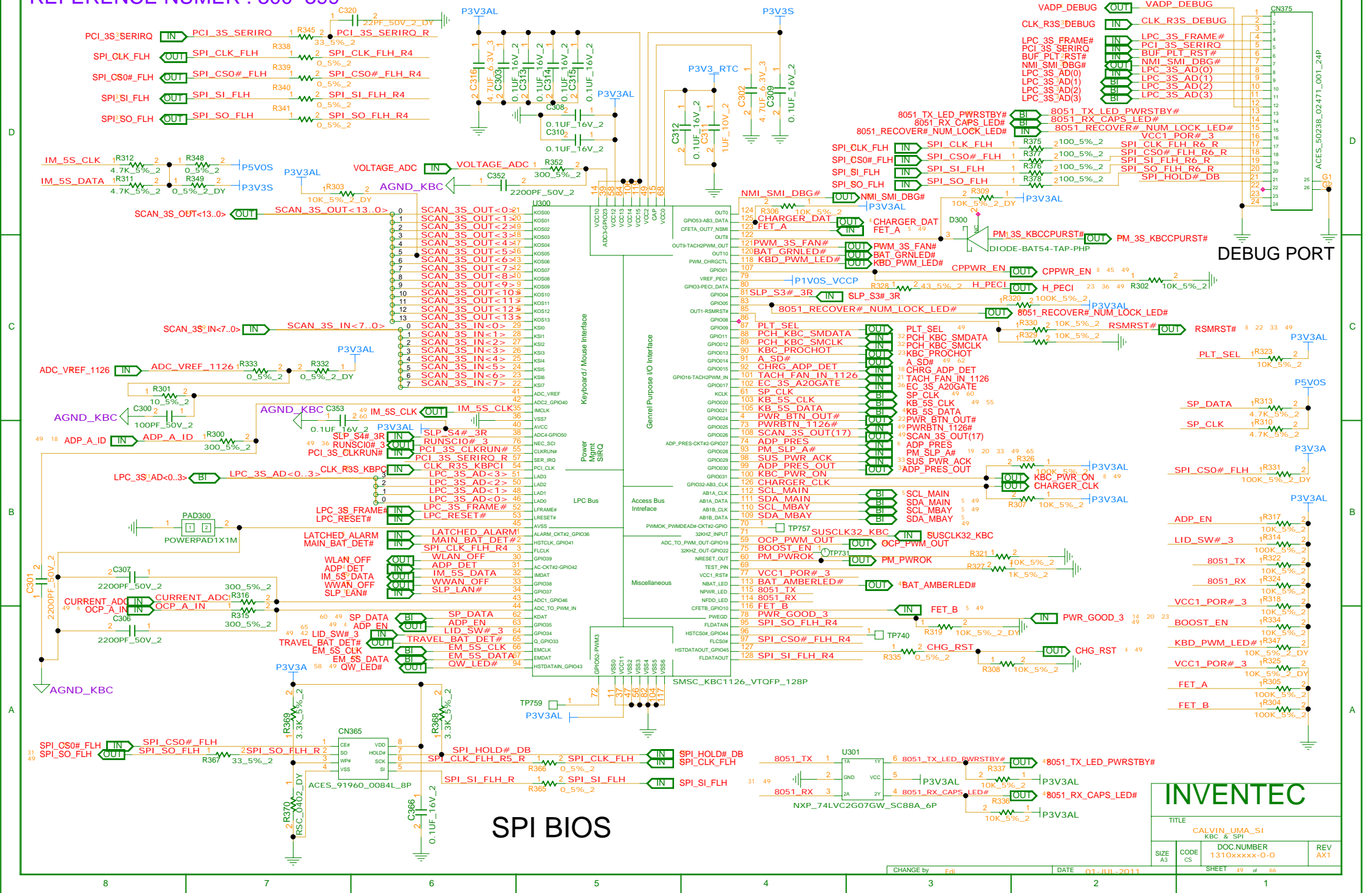


ACCELEMETOR

INVENTEC

TITLE			
CALVIN_UMA_51 ACCELEMETOR			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1
SHEET 48 of 66			

REFERENCE NUMBER : 300~399



REFERENCE NUMER : 300~389

D

C

B

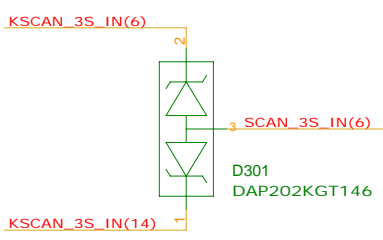
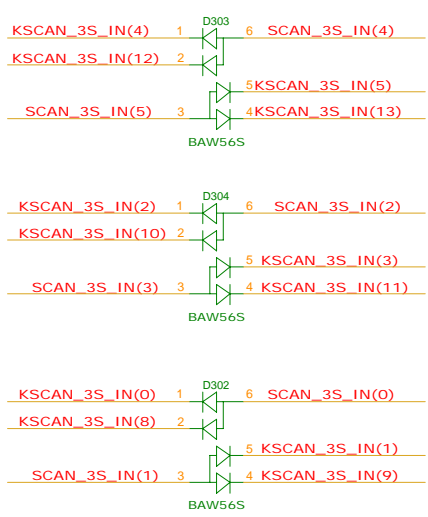
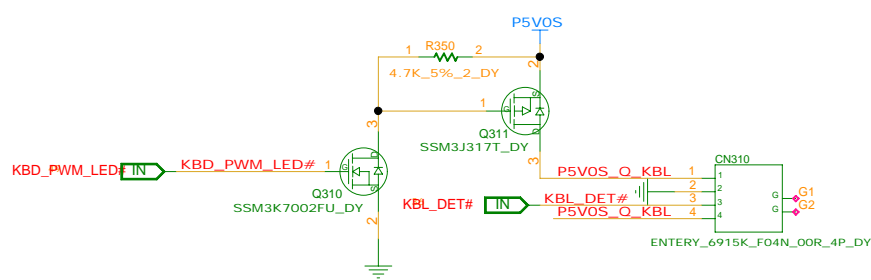
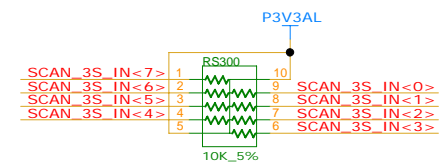
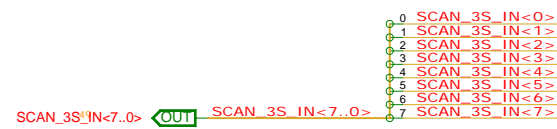
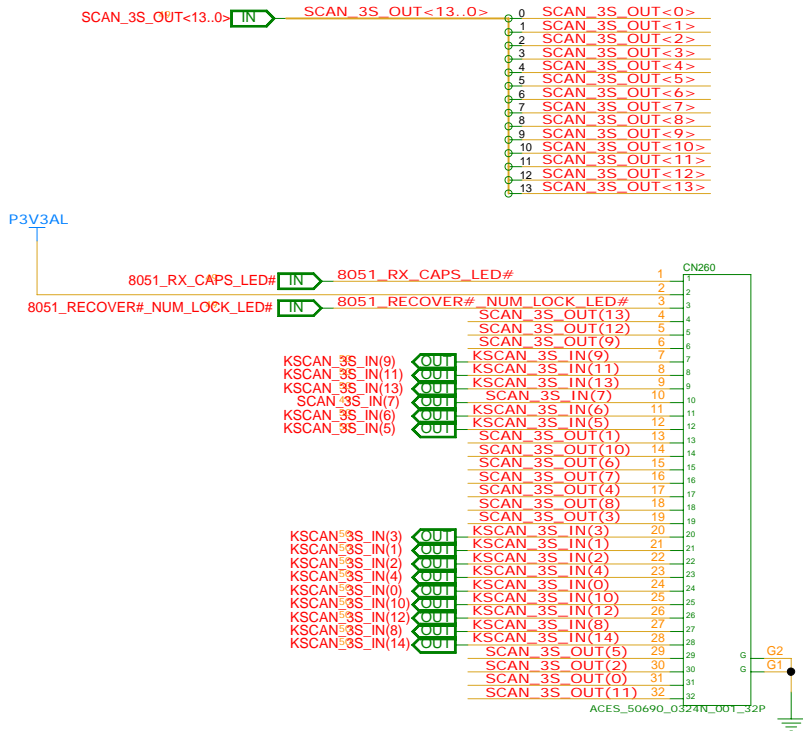
A

D

C

B

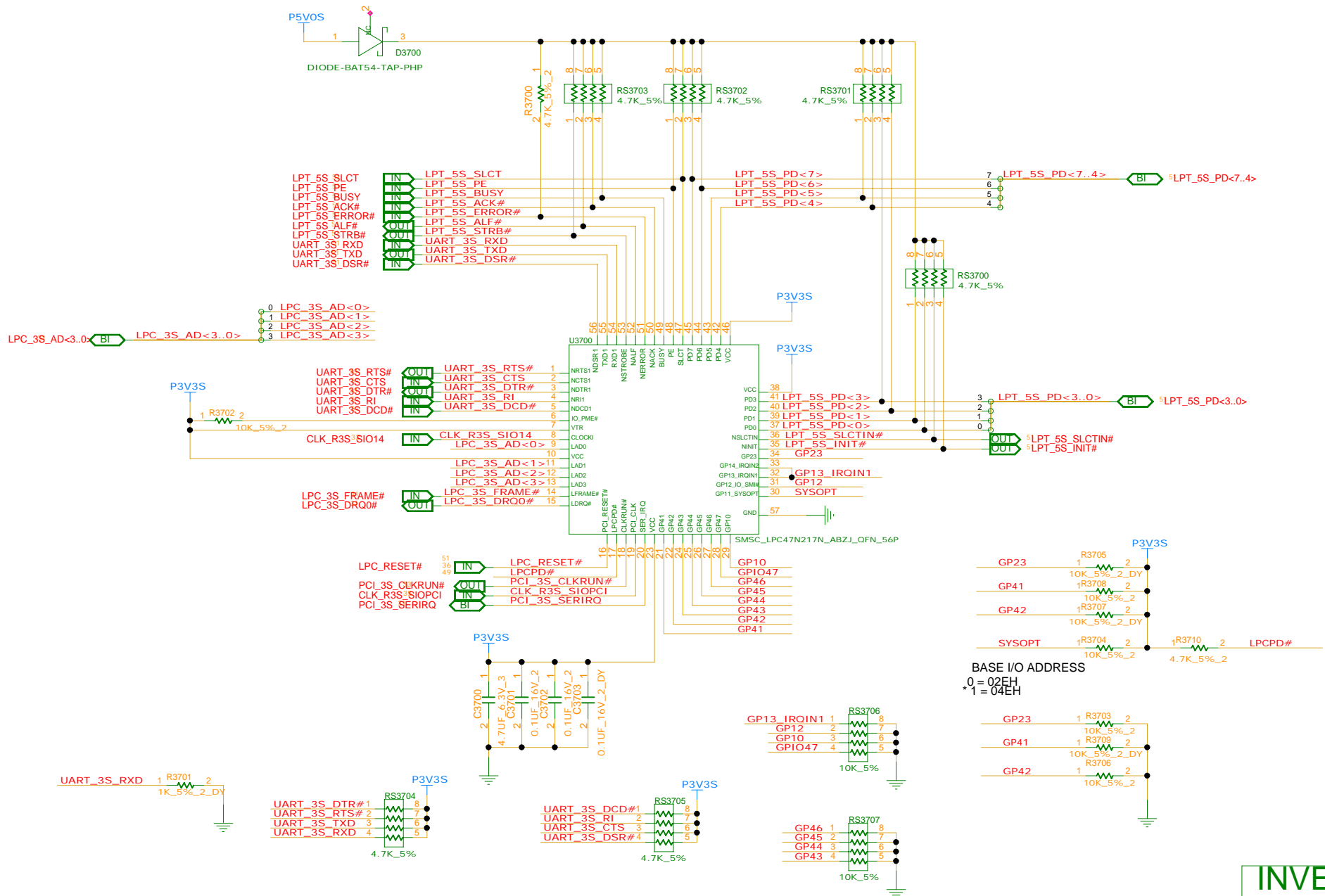
A



INVENTEC

TITLE CALVIN_UMA_S1 KEYBOARD			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1
SHEET 50 of 66			

REFERENCE NUMBER : 3700~3799



INVENTEC

TITLE
CALVIN_UMA_

SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	R A
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SHEET 51 of 66

CHANGE by	Edi	DATE	01-JUL-2011
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1

D

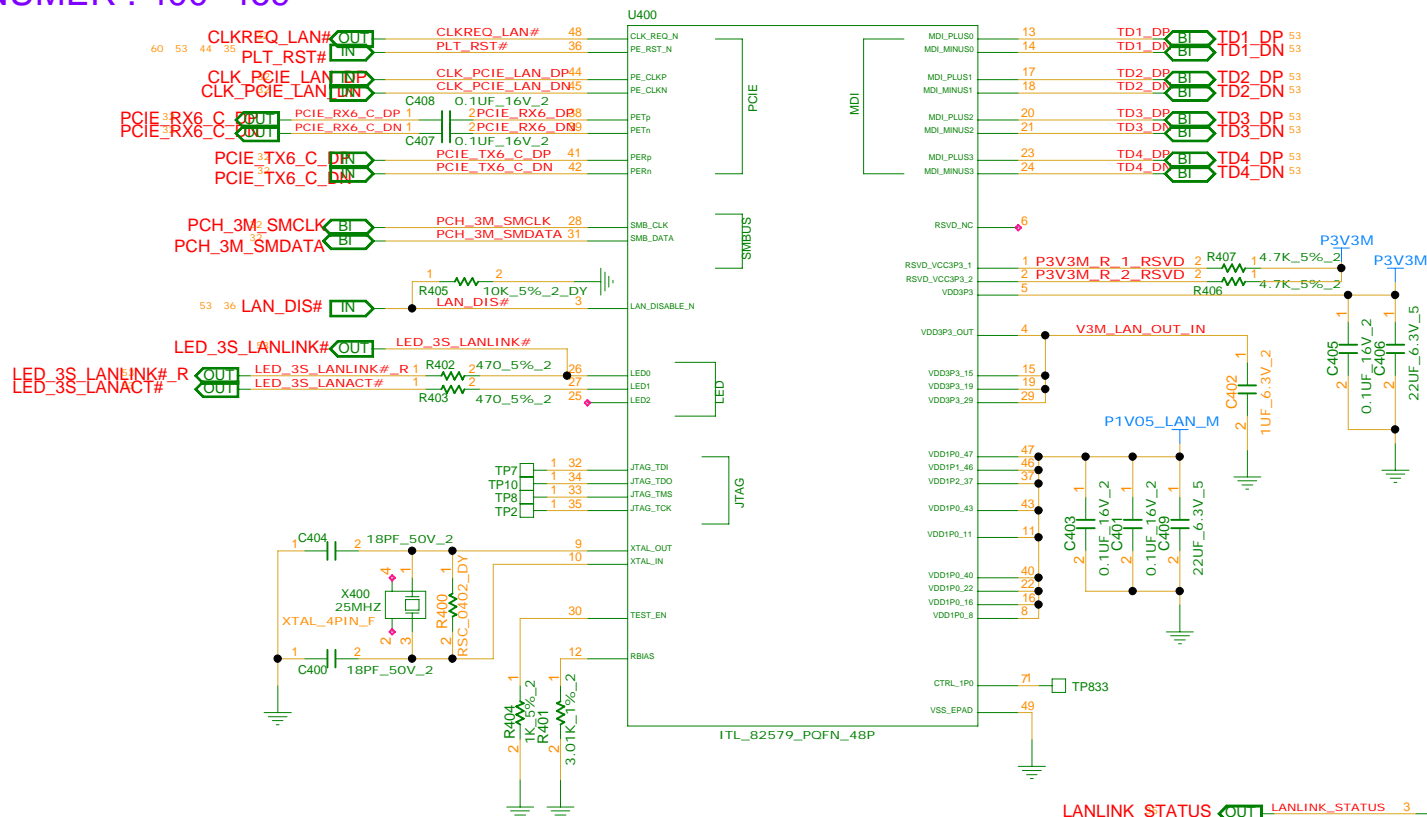


C

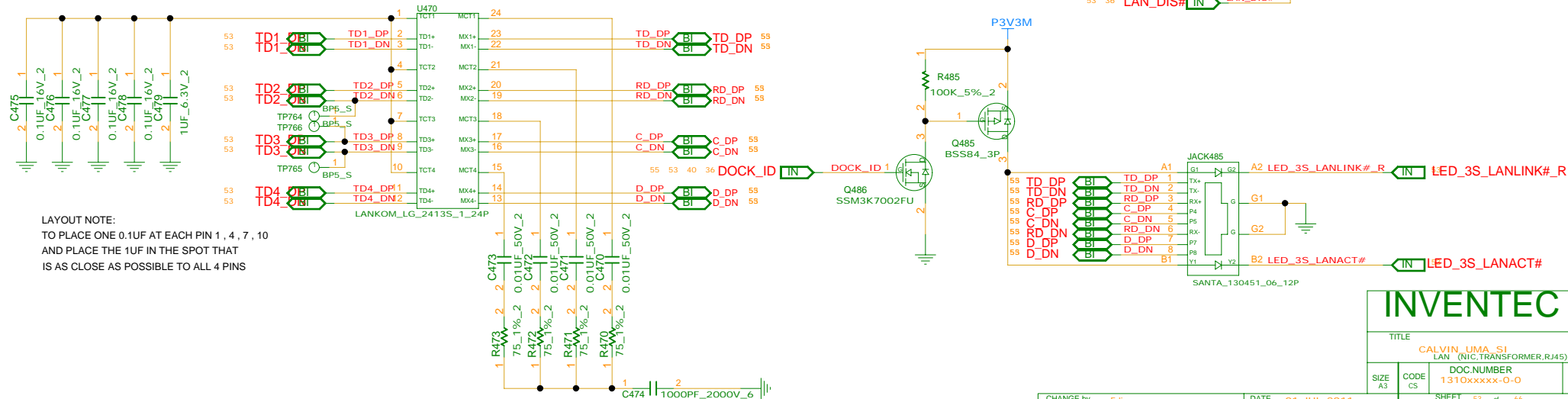


A

REFERENCE NUMER : 400~469

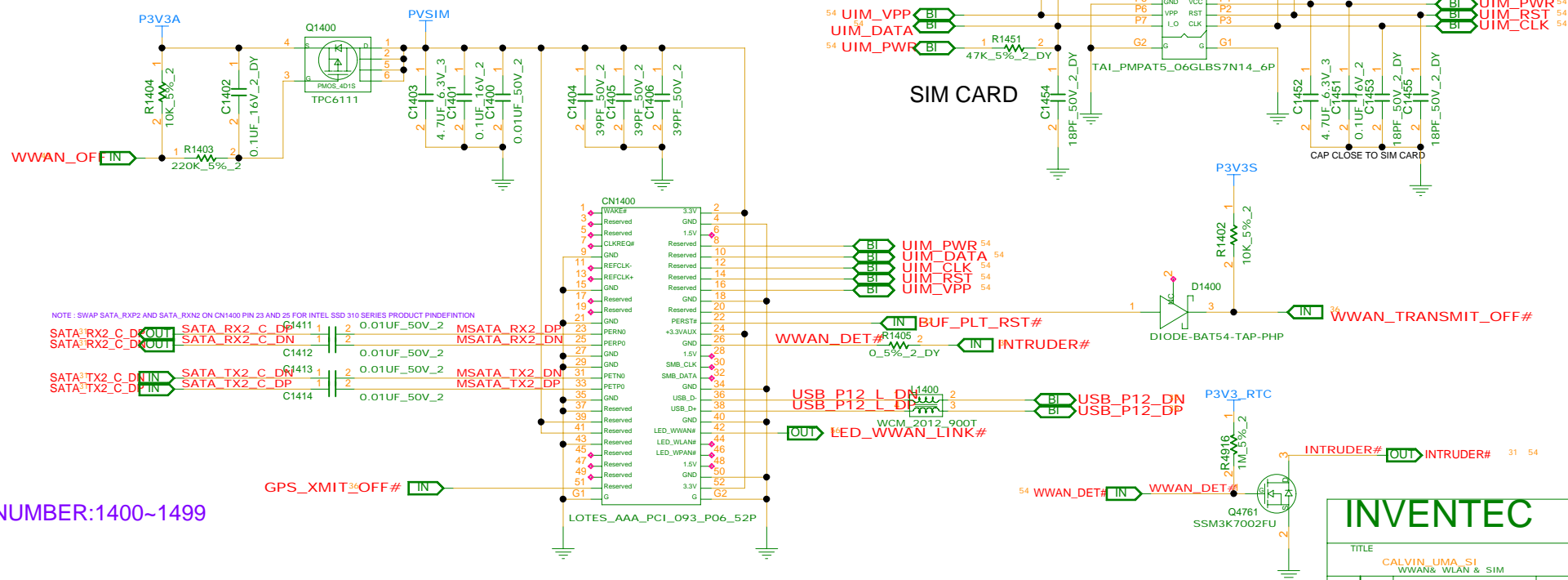
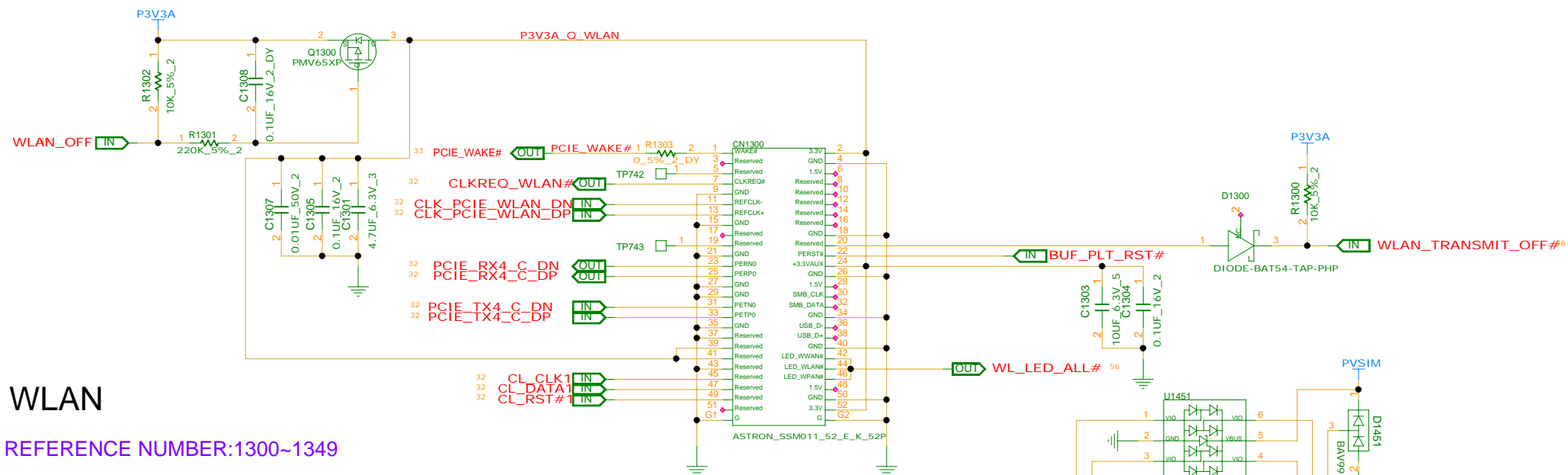


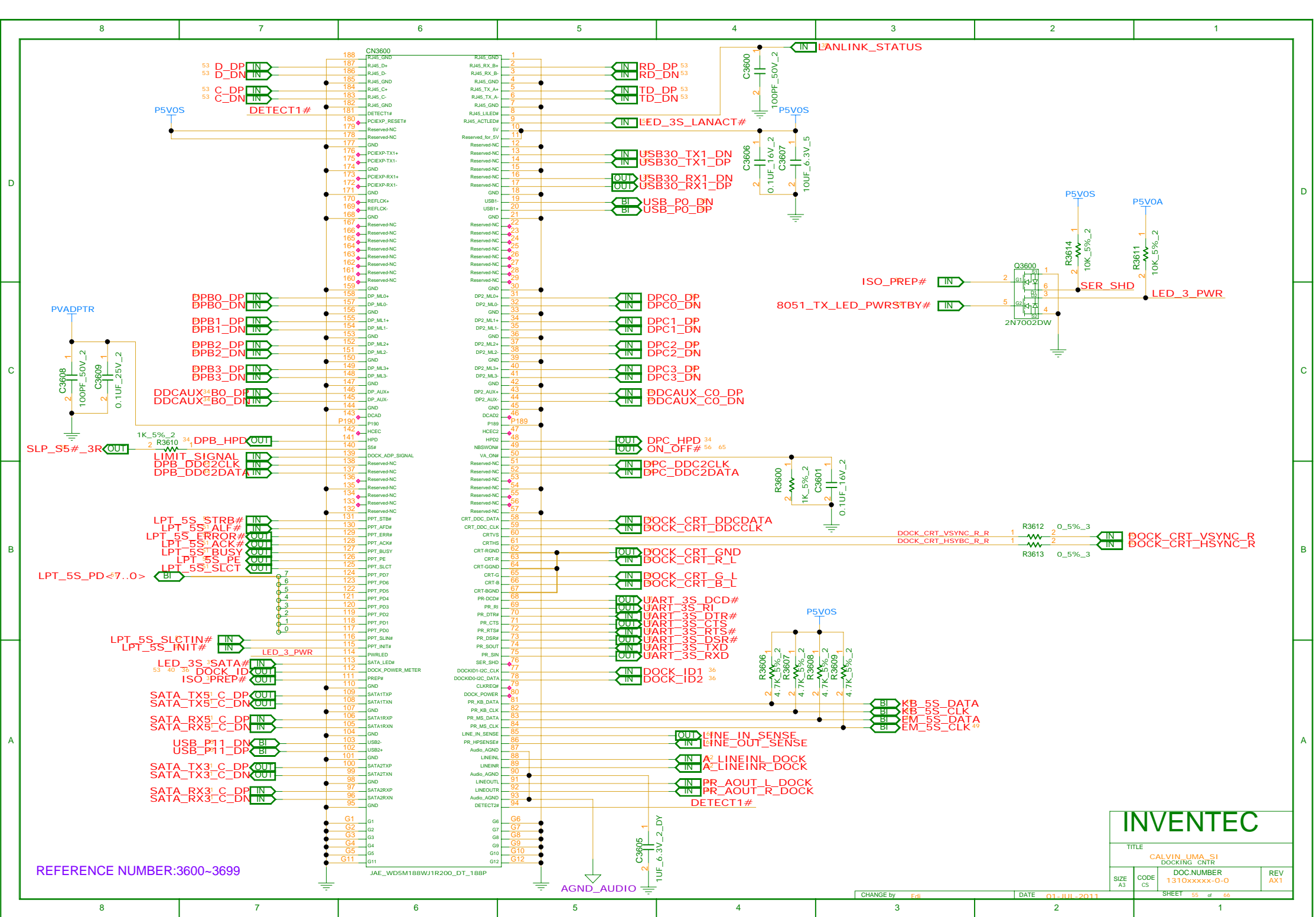
REFERENCE NUMER : 470~499

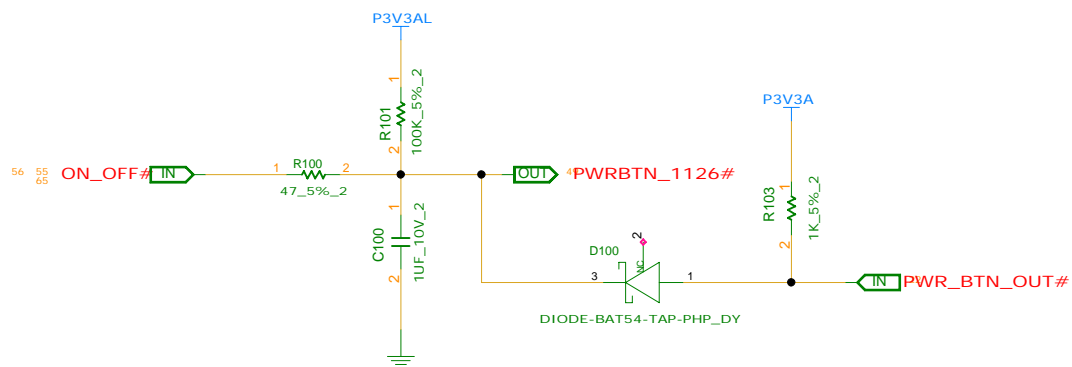
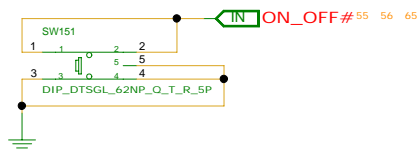


INVENTEC

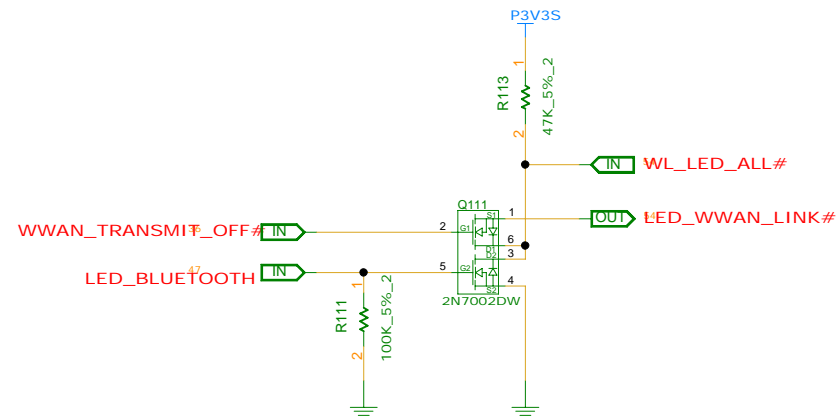
TITLE			
CALVIN_UMA_S1 LAN (NIC TRANSFORMER, RJ45)			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1
SHEET 53 of 66			







POWER / STANDBY LED



WLAN_WWAN_BLUETOOTH_LED

REFERENCE NUMBER:100~199

INVENTEC

TITLE			
CALVIN_UMA_S1 POWER & WLAN_LED			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1

CHANGE by Edl DATE 01-JUL-2011

SHEET 56 of 66

SCREW

S27
SCREW320_900_1P

STD3
DIPPAD_1.15_6_0_TOP
STD4
DIPPAD_1.15_6_0_TOP

STD1
STDPAD_1.15_6_TOP
STD2
STDPAD_1.15_6_TOP

S2
SCREW320_680_800_1P

S5
SCREW300_700_800_1P

S6
SCREW320_800_1P

S12
SCREW550_850_700_NP_1P

S23
SCREW550_850_700_NP_1P

S17
SCREW300_800_600_1P

S62
SCREW280_500_1P

STD26
STDPAD_1.2_0_6-TOP
STD27
STDPAD_1.2_0_6-TOP

S19
SCREW320_600_1P

S22
SCREW320_800_600_1P

S13
SCREW330_600_1P

S15
SCREW330_600_1P

S16
SCREW330_600_1P

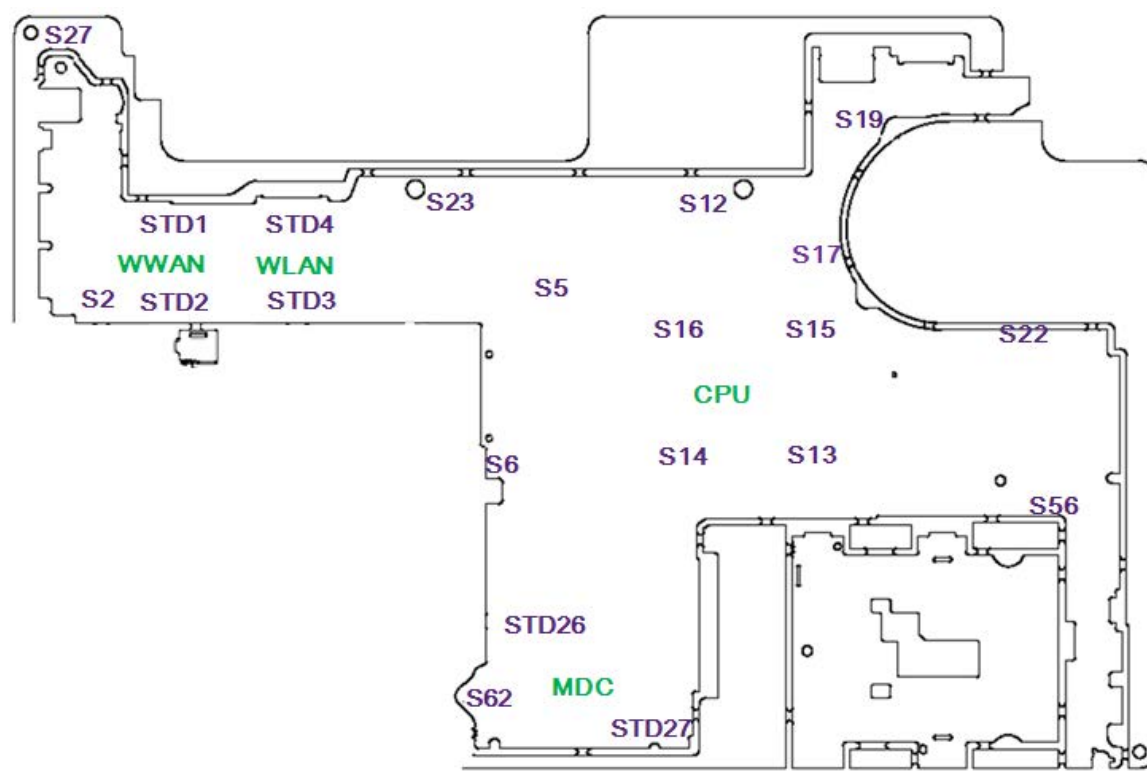
S14
SCREW330_0_500_1P

S56
SCREW320_800_1P

FIX105
FIX_MASK
FIX106
FIX_MASK
FIX107
FIX_MASK
FIX108
FIX_MASK
FIX109
FIX_MASK
FIX110
FIX_MASK

WLAN

WWAN



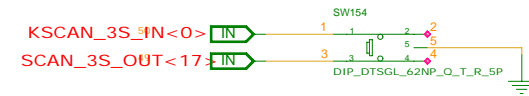
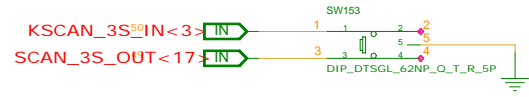
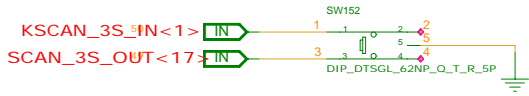
MDC

CPU

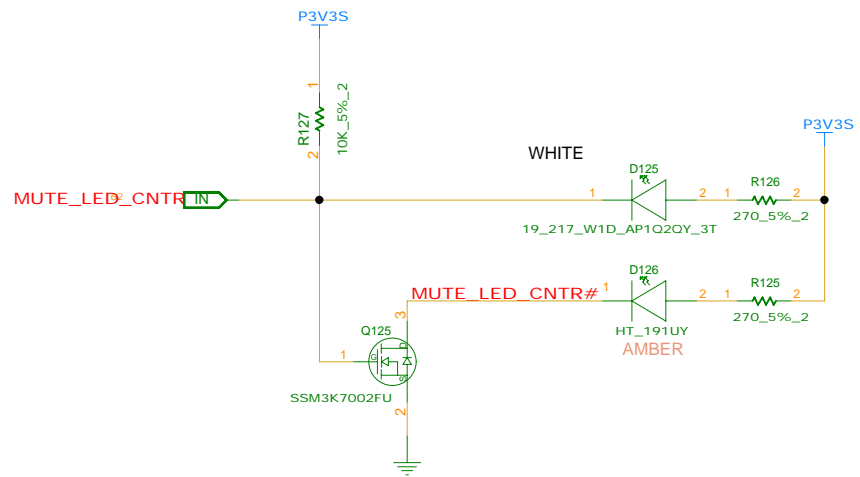
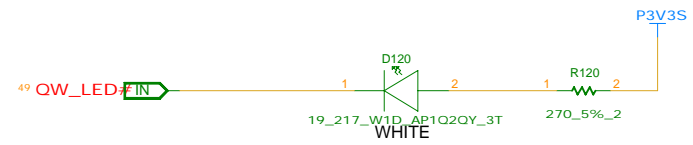
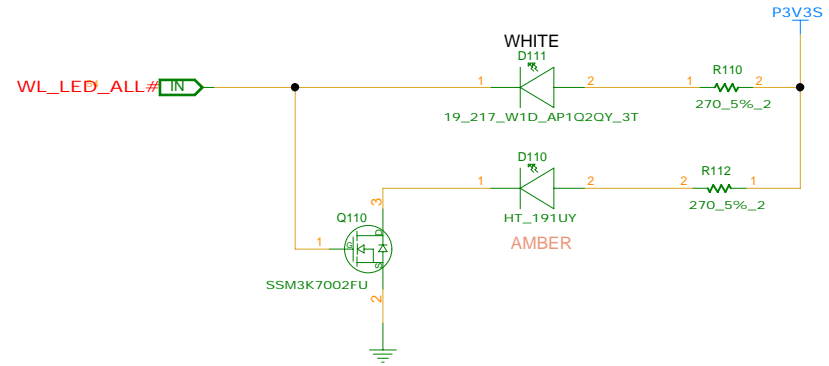
INVENTEC

TITLE			
CALVIN_UMA_SI SCREW			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1

CHANGE by Edl DATE 01-JUL-2011 SHEET 57 of 66

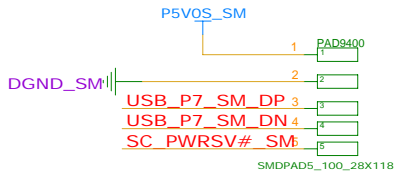


REFERENCE NUMBER:100~199



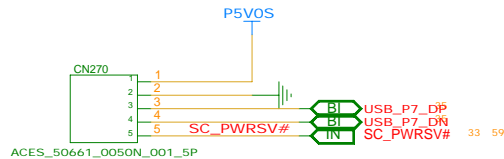
INVENTEC			
TITLE			
CALVIN_UMA_S1 WIRELESS / QUICK WEB / MUTE LED			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV AX1
SHEET 58 of 66			

FIX9401
FIX_MASK
FIX9402
FIX_MASK
FIX9403
FIX_MASK
FIX9404
FIX_MASK
FIX9405
FIX_MASK
FIX9406
FIX_MASK
FIX9407
FIX_MASK
FIX9408
FIX_MASK

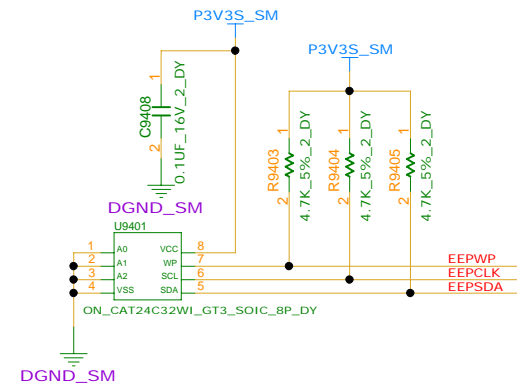


SMART CARD DB

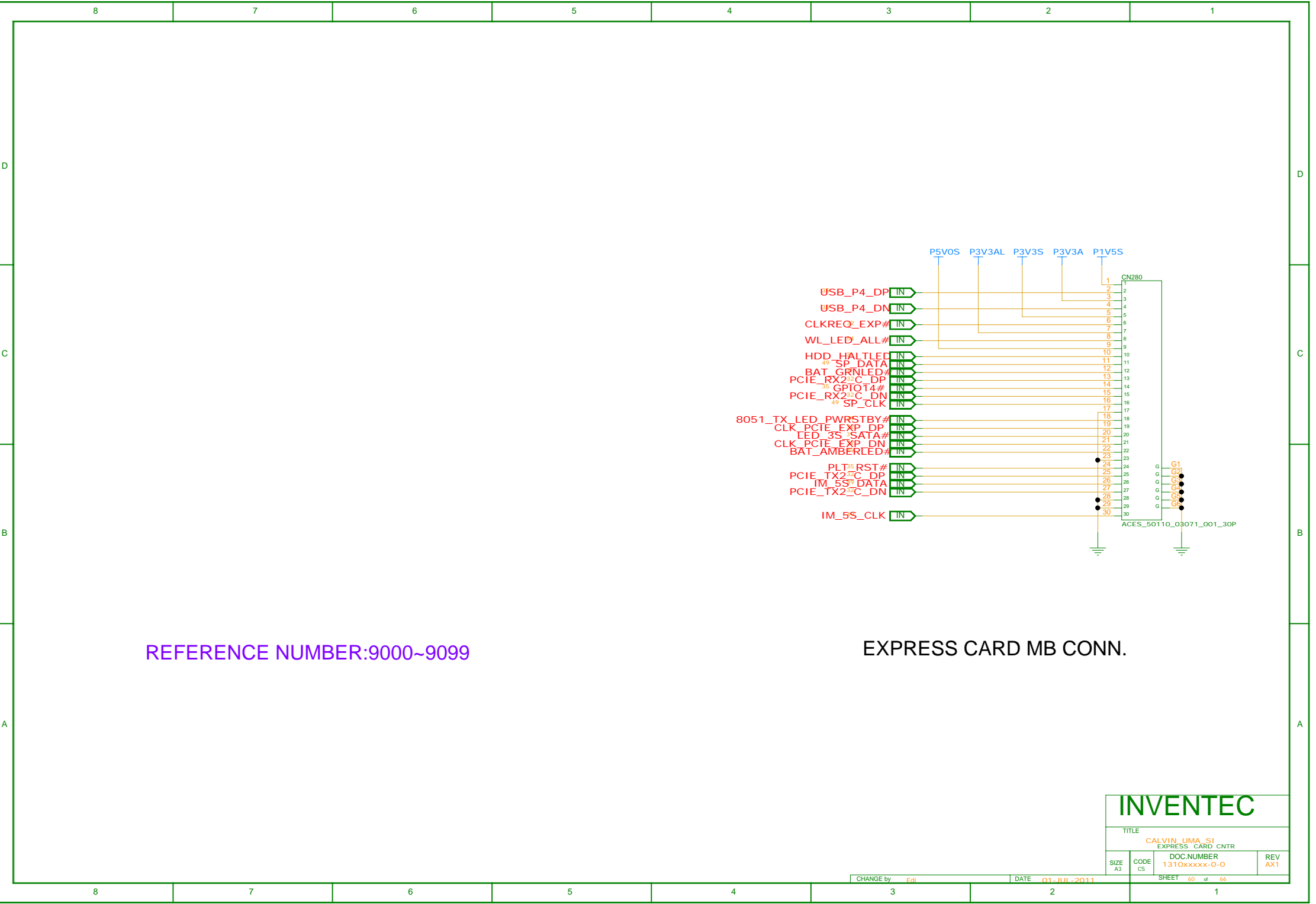
REFERENCE NUMBER:9400~9499



SMART CARD MB CONN.



INVENTEC			
TITLE			
CALVIN_UMA_SI			
SMART CARD			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1
SHEET 59 of 66			



REFERENCE NUMBER:9000~9099

EXPRESS CARD MB CONN.

INVENTEC			
TITLE			
CALVIN_UMA_S1 EXPRESS_CARD_CNTR			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1
SHEET 60 of 66			

8	7	6	5	4	3	2	1
D							D
C							C
B							B
A							A
8	7	6	5	4	3	2	1

EMPTY

INVENTEC

TITLE			
EXPRESS CALVIN,UMA,SI CARD/POINT STICH/TOUCH PAD(SPARE)			
DOC.NUMBER		REV	
1310xxxxx-0-0		AX1	

CHANGE by Edl DATE 01-JUL-2011

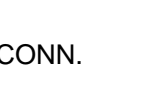
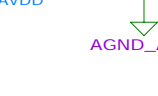
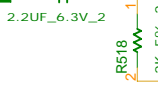
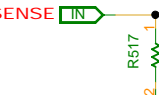
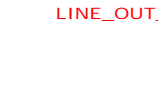
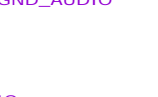
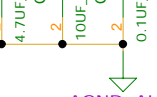
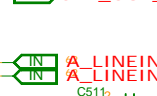
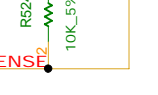
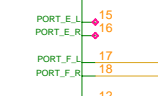
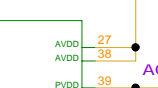
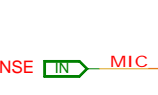
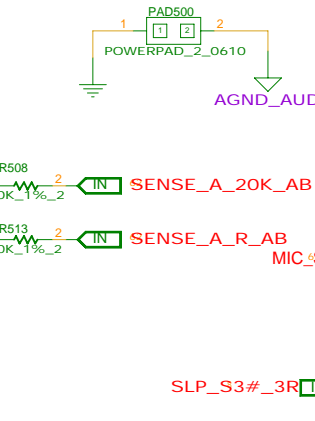
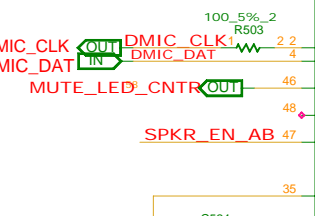
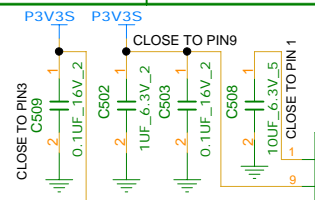
SHEET 61 of 66

AZ_R3S_BITCLK
AZ_R3S_SDINO
AZ_R3S_SDOUT
AZ_R3S_SYNC
AZ_R3S_RST#

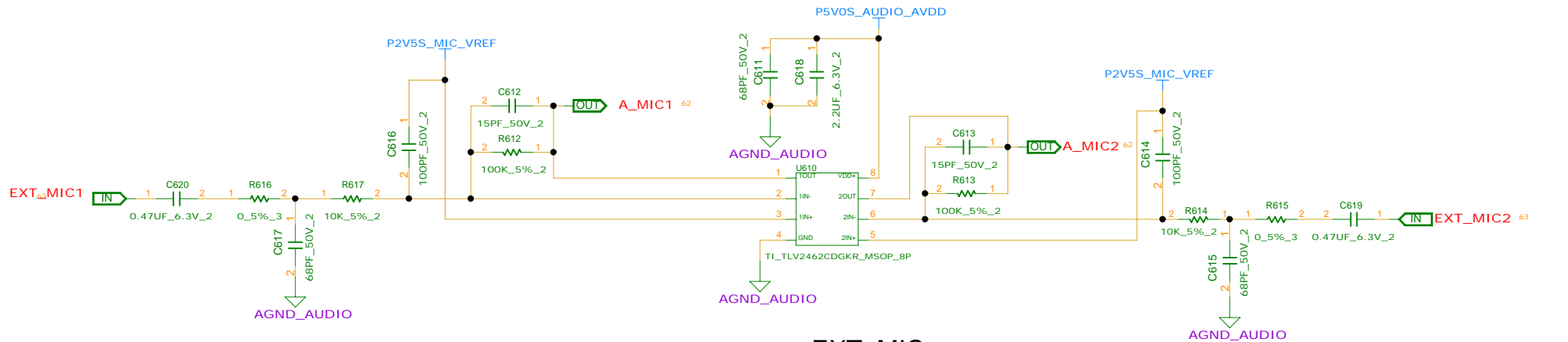
A_SD#

SENSE_A_AB
SENSE_B_AB

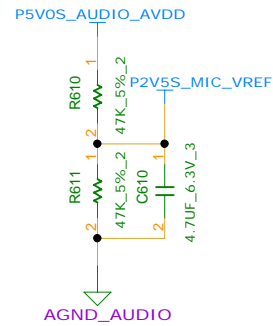
REFERENCE NUMBER:500~549



INVENTEC			
TITLE CALVIN_UMA_SI			
SIZE A3	CODE CS	DOC NUMBER 1310xxxxx-0-0	REV AX1
SHEET 62 of 66			

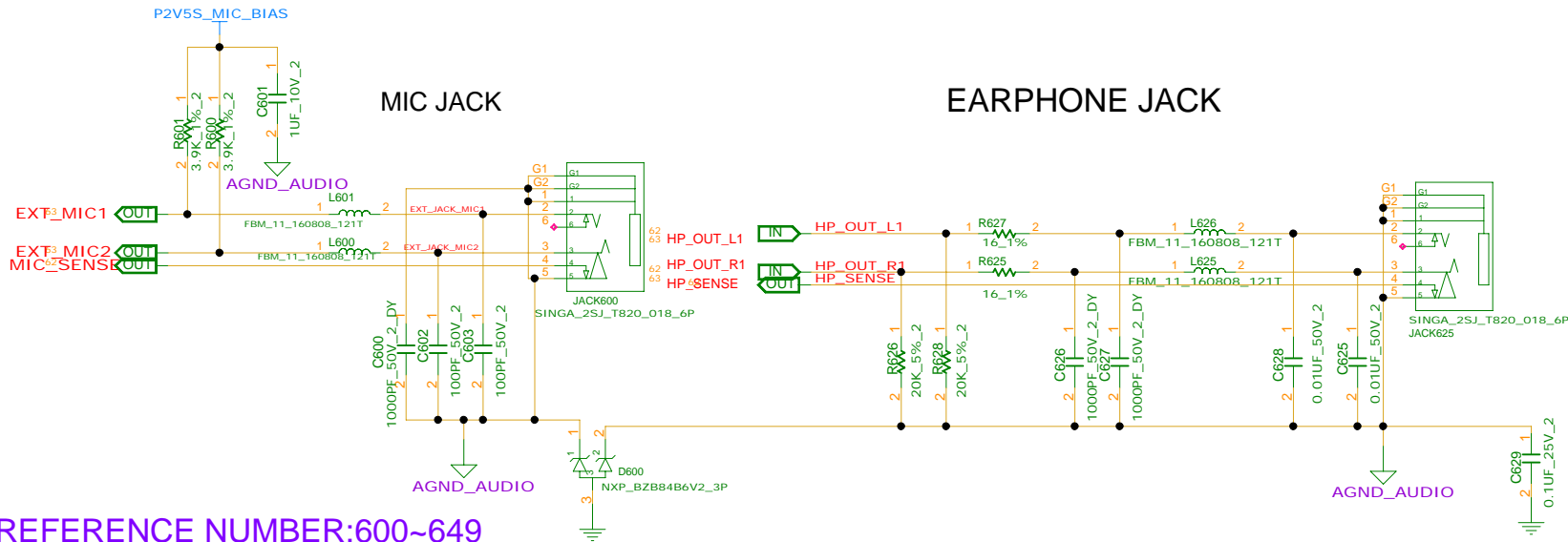


EXT. MIC
REFERENCE NUMBER:610~624



MIC JACK

EARPHONE JACK

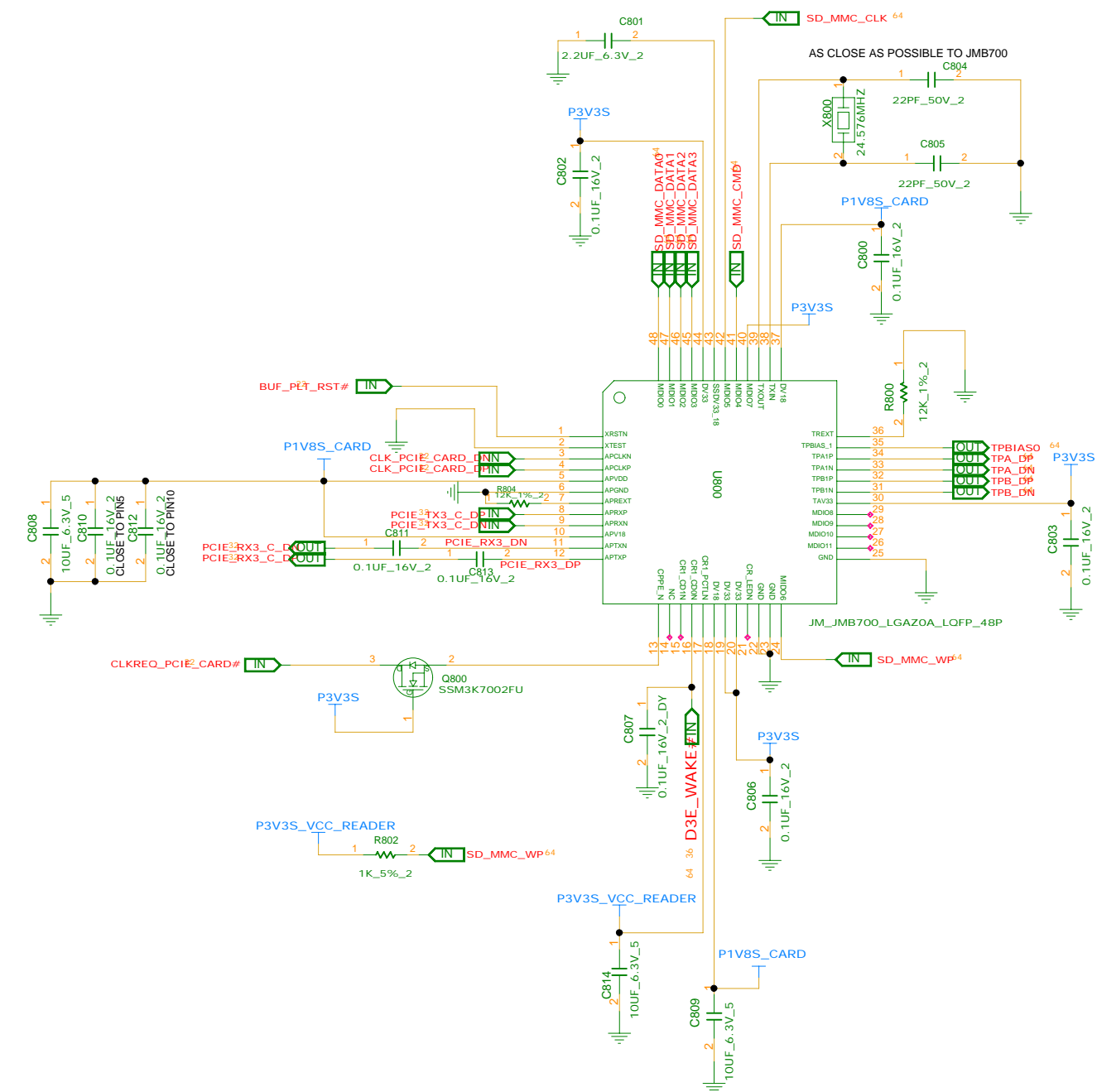


REFERENCE NUMBER:600~649

INVENTEC

TITLE			
CALVIN_UMA-S1 EXT. MIC / MIC / HP			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxxx-0-0	AX1
SHEET 63 of 66			

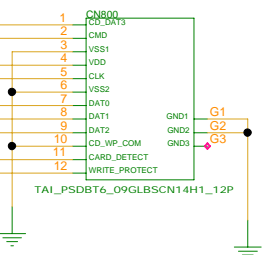
REFERENCE NUMBER:800~899



P3V3S_VCC_READER

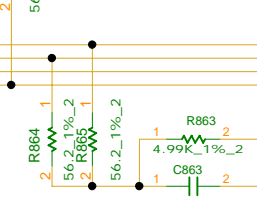
SD/MMC DATA[4:7]
SD/MMC_CMD
SD/MMC_CLK
SD/MMC_DATA[4:7]
SD/MMC_DATA[4:7]
SD/MMC_DATA[4:7]
D3E_WAKE#
SD/MMC_WP

SD/MMC CONN



AS CLOSE AS POSSIBLE TO JMB700

TPBIAS
TPA_DP
TPA_DN
TPB_DP
TPB_DN



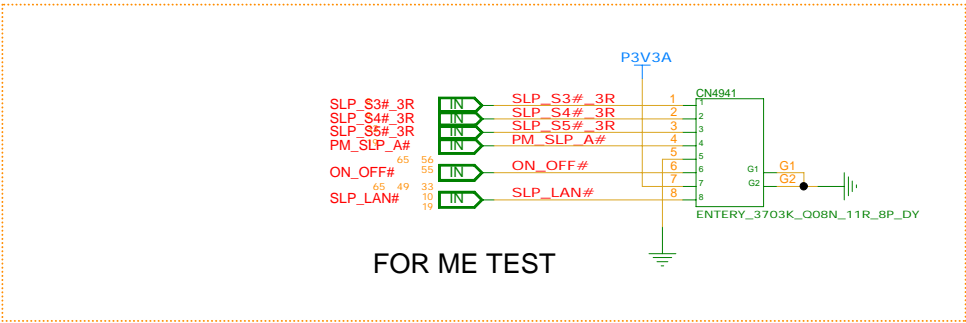
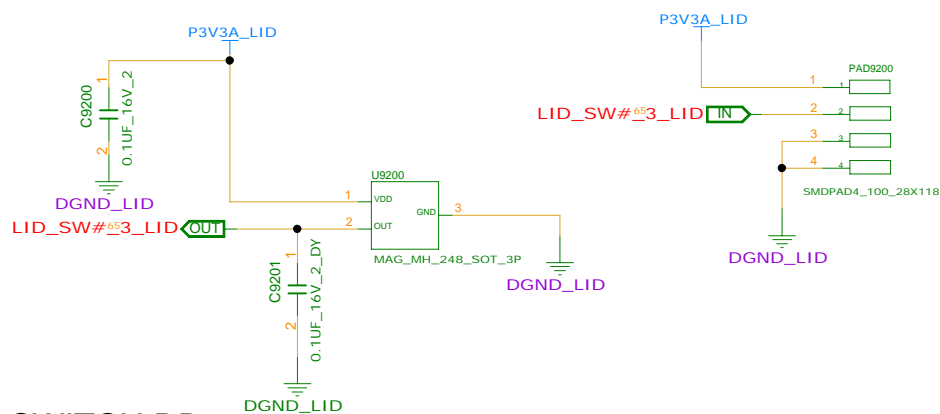
AS CLOSE AS POSSIBLE TO JMB700

1394 CONN.

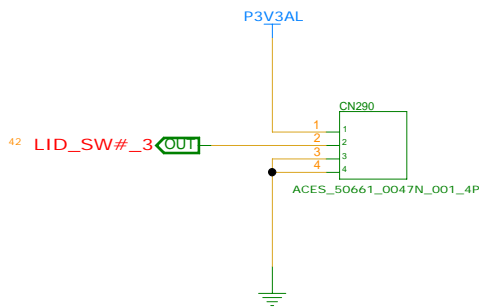
INVENTEC				
TITLE				
CARD READER CTRL / 1394 CONN / SD CONN				
SIZE		DOC NUMBER		REV
A3	CS	1310xxxxx-0-0		AX1
CHANGE by		DATE		SHEET
Edi		01-JUL-2011		64 of 66

LID SWITCH DB

REFERENCE NUMBER:9200~9299



LID SWITCH MB CONN.



INVENTEC

TITLE			
CALVIN_UMA_SI LID_SWITCH			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310xxxx-0-0	AX1

D

D

C

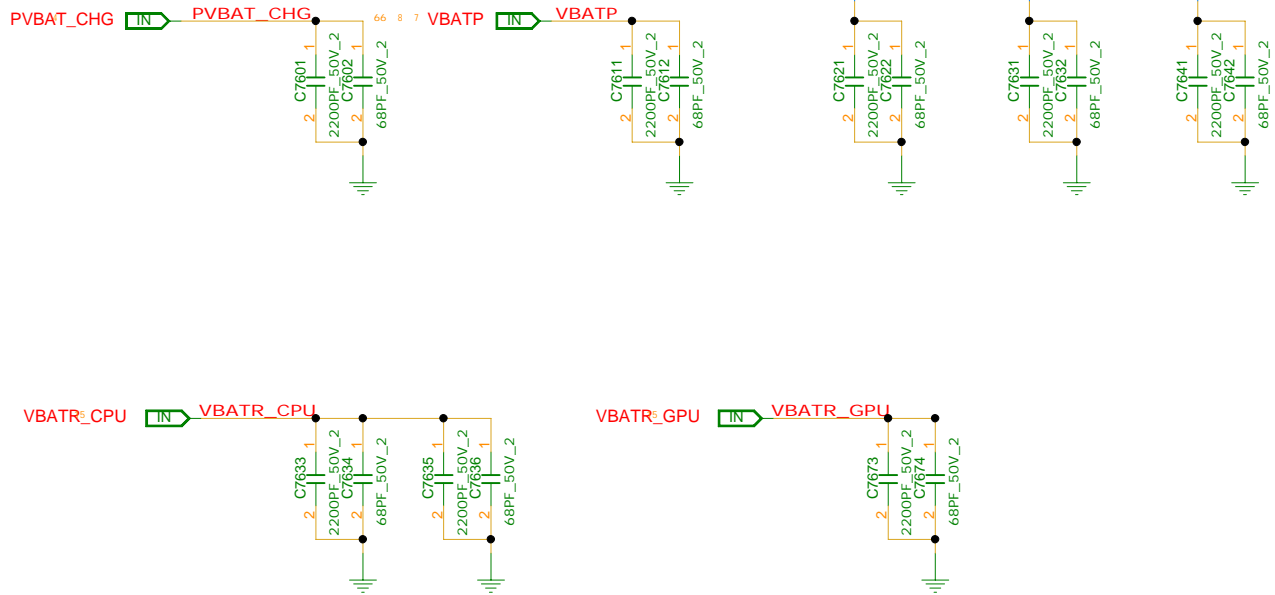
C

B

B

A

A



INVENTEC

TITLE			
CALVIN_UMA_S1 RF SOLUTION			
SIZE A3	CODE CS	DOC.NUMBER 1310xxxxx-0-0	REV AX1