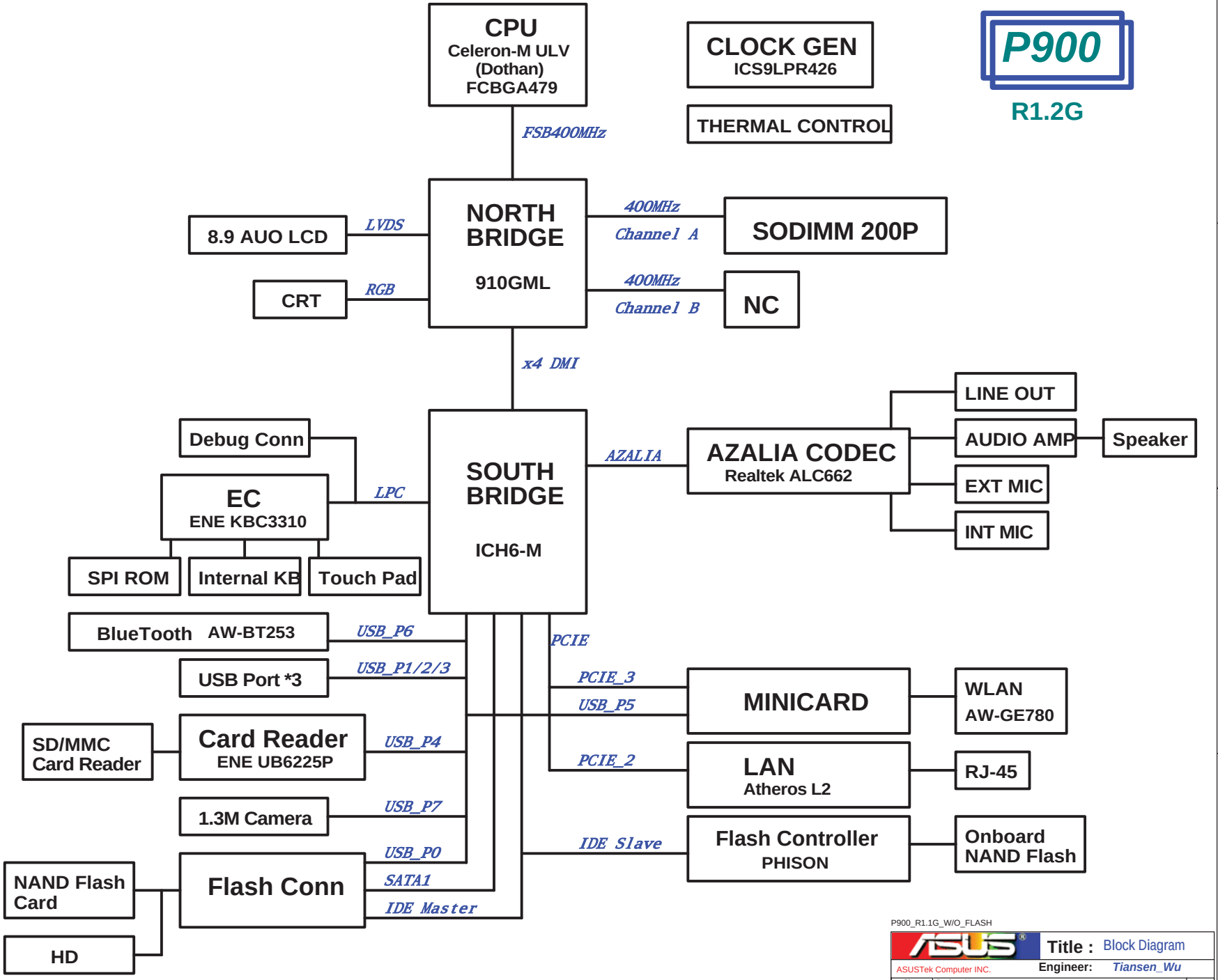


P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : Block Diagram	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 1 of 47	

ICH6 GPIO SETTING

Pin	Pin Name	Connect to	Type	Input/Output Set
B7	GPI0/REQ6#	10K Pull +3V	I	fixed as Input only
E8	GPI1 / REQ5#	10K Pull +3V	I	fixed as Input only
D9	GPI2 / PIRQE#	10K Pull +3V	I	fixed as Input only
C7	GPI3 / PIRQF#	10K Pull +3V	I	fixed as Input only
C6	GPI4 / PIRQG#	10K Pull +3V	I	fixed as Input only
M3	GPI5 / PIRQH#	10K Pull +3V	I	fixed as Input only
AD19	GPI6 / BMBUSY#	NB BMBUSY#	I	Input
AE19	GPI7	NC	GPI	fixed as Input only
R1	GPI8	EC KBC_SCI#	GPI	fixed as Input only
C23	GPI9/OC4#	10K Pull +3V	I	Input
D23	GPI10/OC5#	10K Pull +3V	I	Input
W6	GPI11 / SMBALERT#	S_SMBALERT#	I	Input
M2	GPI12	NC	GPI	fixed as Input only
R6	GPI13	EC EXTSMI#	GPI	fixed as Input only
C25	GPI14/OC6#	10K Pull +3V	I	Input
C24	GPI15 /OC7#	10K Pull +3V	I	Input
D8	GPO16/GTN6#	NC	O	Output
F6	GPO17 / GNT5#	NC	O	Output
AC21	GPO18 / STP_PCI#	Clock GEN STP_PCI#	O	Output
AB21	GPO19	WLAN_LED#	GPO	fixed as Output only
AD22	GPO20 / STP_CPU#	STP_CPU#	O	Output
AD20	GPO21	CAMERA_EN	GPO	fixed as Output only
NA	GPIO22	NC	NA	NA
AD21	GPO23	SPEAKER_EN#	GPO	fixed as Output only
V3	GPIO24	MINICARD_EN#	I/O	Output
P5	GPIO25	WLAN_ON#	I/O	Output

Pin	Pin Name	Connect to	Type	Input/Output Set
AF17	GPI26/SATA0GP	NC	GPI	(GPI)Input
R3	GPIO27	CARD_READER_EN#	I/O	Output
T3	GPIO28	NC	I/O	Output
AE18	GPI29 / SATA1GP	PCBVER0	GPI	(GPI)Input
AF18	GPI30 / SATA2GP	NC	GPI	(GPI)Input
AG18	GPI31 / SATA3GP	PCBVER1	GPI	(GPI)Input
AF19	GPIO32 / CLKRUN#	10K Pull +3V	I/O	Input
AF20	GPIO33	PM_VCOREL1	I/O	Output
AC18	GPIO34	PM_VCOREL2	I/O	Output
NA	GPIO35	NA	NA	NA
NA	GPIO36	NA	NA	NA
NA	GPIO37	NA	NA	NA
NA	GPIO38	NA	NA	NA
NA	GPIO39	NA	NA	NA
F7	GPI40 / REQ4#	10K Pull +3V	I	Input
P4	GPI41 / LDRQ1#	NC	I	Input
NA	GPIO42	NA	NA	NA
NA	GPIO43	NA	NA	NA
NA	GPIO44	NA	NA	NA
NA	GPIO45	NA	NA	NA
NA	GPIO46	NA	NA	NA
NA	GPIO47	NA	NA	NA
E7	GPO48 /GNT4#	NC	O	Output
AC25	GPO49 / CPUPWRGD	CPU Power Ok	O	Output

P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.

Title : System Setting

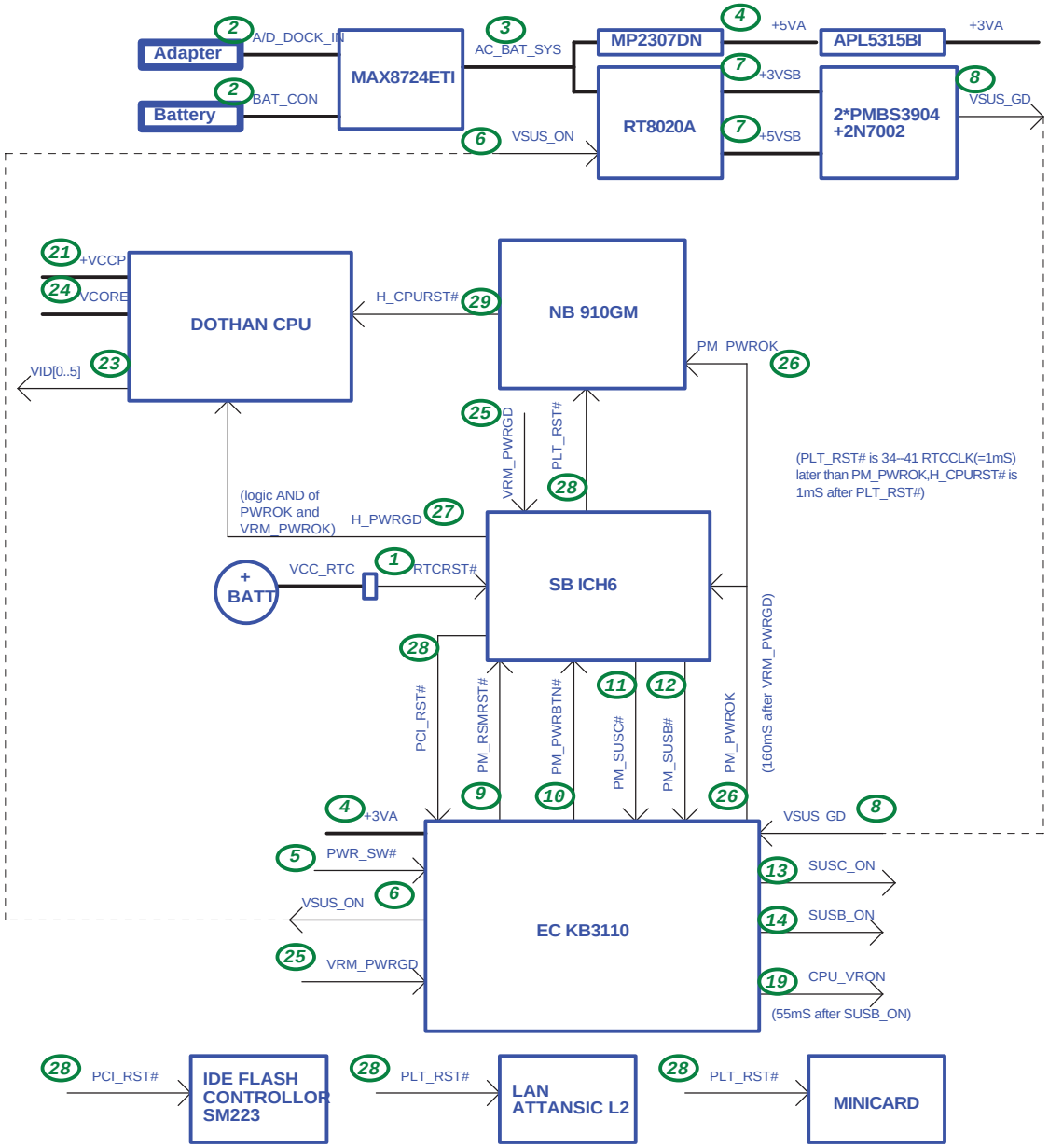
Engineer: Tiansen_Wu

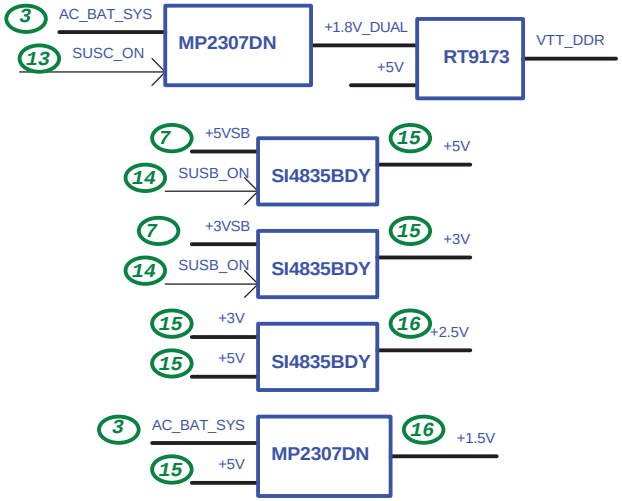
Size	Project Name	Rev
A3	P900	1.2G

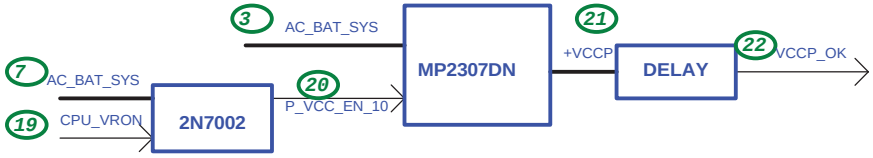
Date: Wednesday, February 27, 2008 Sheet 2 of 47

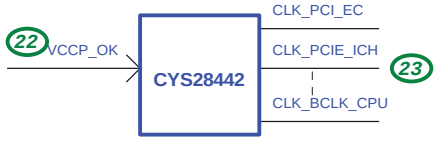
*This sequence is for Battery Plug-in and no Adapter,
if Adapter Plug-in,the sequence change to:
A/D_DOCK_IN--->AC_BAT_SYS--->+3VA--->VSUS_ON--->+3VSB & +5VSB
--->VSUS_GD--->PM_REMRST#--->PWR_SW#--->PM_PWRBTN--->PM_SUSC#--->PM_SUSB#

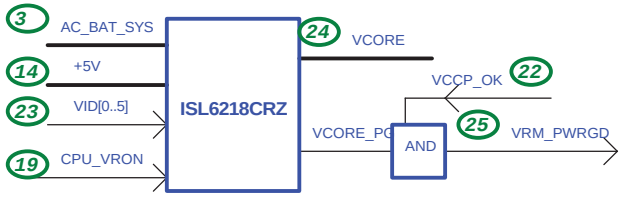
	Signal	S0/S1	S3	S4/S5	Power
Only Battery	VSUS_ON	H	H	L	VSB
Adapter In	VSUS_ON	H	H	H	VSB
	SUSB_ON	H	L	L	Main
	SUSC_ON	H	H	L	DUAL











P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : Power Sequence	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 3 of 47	

EC KB3310 GPIO SETTING

Pin No.	Pin Name	Signal Name	Type	NOTE
1	GA20	A20GATE	O	A20GATE
2	KBRST#	RC_IN#	O	KBRST#
6	GPIO04	EMAIL_SW#	I	EMAIL_SW# , *
13	PCIRST#	PCI_RST#	I	PCI Reset
14	GPIO07	BAT_EXT	O	Reserved
15	GPIO08	EXTSMI#	O	EXTSMI#, 10K Pull +3VSUS
16	GPIO0A	LID_EC#	I	LID_EC#, *
17	GPIO0B	NC	O	LCD chip select
18	GPIO0C	NC	I/O	LCD Data
19	GPIO0D	DISTP_SW#	I	Touch Pad Disabled,*
20	SCI#	KBC_SCI#	O	KBC_SCI#, 10K Pull +3VSUS
21	PWM1	BL_PWM_DA	O	LCD Light Switch
23	PWM2	BAT_CRITICAL	O	LCD clock
25	GPIO11	PM_PWRBTN#	OD	Power Button to SB, *
26	FANPWM1	FAN0_PWM	O	CPU Fan(Unused)
27	FANPWM2	FAN1_PWM	O	VGA Fan(Unused)
28	FANFB1	FAN0_TACH	I	CPU FanTach(Unused)
29	FANFB2	FAN1_TACH	I	VGA FanTach(Unused)
30	GPIO16	E51_TX	O	RS232 debug port
31	GPIO17	E51_RX	O	Reserved
32	GPIO18	PWR_SW#	I	power button, *
34	GPIO19	MAIL_LED#	O	Mail LED(Unused)
36	GPIO1A	NUM_LED#	O	EC H/W controls(Unused)
38	CLKRUN#	N.C	O	Reserved
39	KSO0	KSO0	O	For Keyboard interface
40	KSO1	KSO1	O	For Keyboard interface
41	KSO2	KSO2	O	For Keyboard interface
42	KSO3	KSO3	O	For Keyboard interface
43	KSO4	KSO4	O	For Keyboard interface
44	KSO5	KSO5	O	For Keyboard interface
45	KSO6	KSO6	O	For Keyboard interface
46	KSO7	KSO7	O	For Keyboard interface
47	KSO8	KSO8	O	For Keyboard interface
48	KSO9	KSO9	O	For Keyboard interface
49	KSO10	KSO10	O	For Keyboard interface
50	KSO11	KSO11	O	For Keyboard interface
51	KSO12	KSO12	O	For Keyboard interface
52	KSO13	KSO13	O	For Keyboard interface
53	KSO14	KSO14	O	For Keyboard interface
54	KSO15	KSO15	O	For Keyboard interface
55	KSI0	KSI0	I	For Keyboard interface
56	KSI1	KSI1	I	For Keyboard interface
57	KSI2	KSI2	I	For Keyboard interface
58	KSI3	KSI3	I	For Keyboard interface
59	KSI4	KSI4	I	For Keyboard interface
60	KSI5	KSI5	I	For Keyboard interface
61	KSI6	KSI6	I	For Keyboard interface
62	KSI7	KSI7	I	For Keyboard interface
63	AD0	BAT_ICHG	I	Sense Power Loading
64	AD1	BAT_CONFIG	I	sense Battery
65	AD2	BAT_SENT	I	Reserved
66	AD3	BAT_TS	I	Reserved
68	GPO3C	DOC	O	Trigger Clock Gen

Pin No.	Pin Name	Signal Name	Type	NOTE
70	GPO3D	LCD_BACKOFF#	O	LCD_BACKOFF#
71	GPO3E	CLK_PWRSAVE#	O	Active when BAT_IN=1 and AC_OK=0(Unused)
72	GPO3F	PM_BATLOW#	O	Battery Low Low
73	GPIO40	AC_OK	I	AC Adaptor Plug in
74	GPIO41	PM_RSMRST#	O	10K Pull GND
75	GPIO42	N.C	O	Reserved
76	GPIO43	N.C	O	Reserved
77	SCL1	SMB1_CLK	I/OD	4.7K Pull +3VA_EC
78	SDA1	SMB1_DAT	I/OD	4.7K Pull +3VA_EC
79	SCL2	SMB2_CLK	I/OD	10K Pull +3VS
80	SDA2	SMB2_DAT	I/OD	10K Pull +3VS
81	KSO16	N.C	O	Reserved
82	KSO17	N.C	O	Reserved
83	PSCLK1	LCD_SCL	O	Reserved
84	PSDAT1	LCD_SDA	O	Reserved
85	PSCLK2	LCD_CSB	O	Reserved
86	PSDAT2	LCD_VSYNC	O	Reserved
87	PSCLK3	TP_CLK	I/OD	10K Pull +3VS
88	PSDAT3	TP_DAT	I/OD	10K Pull +3VS
89	GPIO50	BATSEL_3S	O	Battery series. Hi:3S, Lo:4S(Unused)
90	GPIO52	CHG_LED_UP#	O	charger LED
91	GPIO53	CAP_LED#	O	EC H/W controls
92	GPIO54	PWR_LED_UP	O	EC H/W blinking
93	GPIO55	SCRL_LED#	O	EC H/W controls
95	GPIO56	PWR4G_SW#	I	*
97	GPXOA00	SPI_MODE#	O	"HW Strap for SPI Flash deExternal Pull Down 100K ohm to GND"
98	GPXOA01	SUSC_ON	O	
99	GPXOA02	VSUS_ON	O	
100	GPXOA03	CPU_VRON	O	
101	GPXOA04	SUSB_ON	O	
102	GPXOA05	PWROK	O	
103	GPXOA06	PM_LEVELDOWN#	O	Reserved
104	GPXOA07	CHG_EN#	O	Battery charging enabled
105	GPXOA08	PRECHG	O	
106	GPXOA09	SPI_WP#	O	
107	GPX0A10	OP_SD#	O	Audio OP
108	GPXOA11	BAT_LEARN	O	
109	GPXID0	BATSEL_2P#	O	Battery parallel. Hi:1P, Lo:2P~3P
110	GPXID1	CPU_LEVELDOWN#	O	Reserved
112	GPXID2	THRO_CPU	O	Active if Battery Temperature is over spec
114	GPXID3	SUSB#	I	Pull Down 100K ohm to GND
115	GPXID4	SUSC#	I	Pull Down 100K ohm to GND
116	GPXID5	CPUPWR_GD	I	10K Pull +3VS
117	GPXID6	VSUS_GD	I	Disabled **
118	GPXID7	BAT_VOLSEL	O	Reserved
121	GPIO57	INTERNET#	I	*
126	SPICLK	SPI_CLK	O	SPI Clock
127	GPIO59	N.C	O	Reserved

EC KB3310 Other Pin SETTING

Pin No.	Pin Name	Signal Name	Type	NOTE
3	SERIRQ	INT_SERIRQ	I/OD	8.2K Pull +3VS
4	LFRAME#	LPC_FRAME#	I	
5	LAD3	LPC_AD3	I/O	
7	LAD2	LPC_AD2	I/O	
8	LAD1	LPC_AD1	I/O	
9	VCC	+3VA_EC	P	
10	LAD0	LPC_AD0	I/O	
11	GND	GND	P	
12	PCICLK	CLK_PCI_EC	I	
22	VCC	+3VA_EC	P	
24	GND	GND	P	
33	VCC	+3VA_EC	P	
35	GND	GND	P	
37	ECRST#	EC_RST#	I	Add 100K ohm to GND
67	AVCC	+3VACC	P	
69	AGND	AGND	P	
94	GND	GND	P	
96	VCC	+3VA_EC	P	
111	VCC	+3VA_EC	P	
113	GND	GND	P	
119	RD#	SPI_SO	I	
120	WR#	SPI_SI	O	
112	XCLKI	32KXCLKI	I	
123	XCLKO	32KXCLKO	O	
124	V18R	K_V18R		Reserved 1uF to GND
125	VCC	+3VA_EC	P	
128	SPICS#	SPI_CE#	O	

P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : EC Pin Define	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 4 of 47	

P701 CIRCUIT UPDATED HISTORY

Rev	Date	Description
1.0G	2007/02/26 ~ 2007/03/16	S701L Schematic 1.0G Beginning S701L 1.0G Gerber Out
1.1G	2007/03/24 ~ 2007/04/19	S701L Schematic 1.1G Beginning S701L 1.1G Gerber Out
1.0G	2007/04/24 ~ 2007/05/22	P701(S701L renamed) Schematic 1.0G Beginning 1. PC8054, PR6075 /X to N/A 2. Attansic L2 change to Atheros L2(pin to pin) 3. LC1, LC33 /CAP/X to N/A 4. C87 change to X5R to cost down 5. L1, L2, L3 change to 56 NH, R5, R6 change to 75 Ohm to pass CRT EA measure 6. PR48 change to 22K Ohm, PC35 change to 4700PF to fix no VCORE issue 7. PR6074 change to 4.7K Ohm to fix +3VSB OCP issue 8. Clock Gen CY28442-2 change to ICS9LPR367 9. Phase in Power Level Reduce solution, mark "Taipei0508" 10. Card Reader Socket change to SD Socket 12G25100091E 11. Add System FAN circuit 12. Camera change to USB port 7, Minicard change to USB port 5 13. Use SB GPIO27 to Enable/Disable Card Reader UB6225P 14. Use SB GPIO28 to Enable/Disable Modem 15. Card Reader UB6225P share 48M clock from CLock Gen with SB USB part 16. Add D29 to fix LCD_CSB leakage current issue 17. LC29, LC30 change to 27PF to pass EA crystal measure 18. Change vaule of PR73, PR74, PC56 and add PC60 to adjust the power sequence timing between Stand By power and RSMRST# 19. Remove USB port 1 20. Add +5V generate +3V_LCD circuit 21. Remove +5V_CHG generate circuit 22. Use SB GPIO33, GPIO34 to controll the level of VCORE 23. U31 use APL5315BI-TRL to replace MAX8863TEUK(pin to pin, but reference voltage level different) 24. PR59 change to 130K Ohm for both 12V Adapter and 9.8V Adapter P701 1.0G Gerber Out
1.1G	2007/05/31 ~ 2007/06/07	P701 Schematic 1.1G Beginning 1. Remove the 48M clock from CLock Gen to Card Reader UB6225P 2. Clock Gen ICS9LPR367 change to ICS9LPR426 3. Flash Connector increase SATA and USB interface 4. Add Onboard Flash(SM223 + NAND Flash x4) 5. BATT_CON pin 5 connect to GND 6. Q34 pin 1 connect to +3V to fix EC reset issue 7. Remove J1, J2 8. KB pin 28 connect to GND for P701-ISP_CARD 9. Use SB GPO23 to Enable/Disable Audio Amplifier 10. Use SB GPO21 to controll Camera Power 11. Use SB GPIO24 to controll Minicard Power 12. Use SB GPIO25 to Enable/Disable WLAN Ratio 13. Atheros L2 and Minicard SMBUS interface directly pull high 14. LCD_CON pin 20 connect to AC_BAT_SYS P701 1.1G Gerber Out

Rev	Date	Description
1.2G	2007/06/30 ~ 2007/07/06	P701 Schematic 1.2G Beginning 1. Add R174 to short DASP pins of Master IDE device and SLave IDE device 2. Use SB GPIO27 to controll Card Reader UB6225P Power 3. PR606084.2 connect to +5V to fix LCD flash issue 4. Adjust SPEAKER pin define 5. Adjust CHARGE LED and WLAN LED lightness 6. Use SB GPI 26, 29, 30, 31 for PCB version 7. Change USB ESD diode for EMI request 8. Add Floating GND TP_GND and Spring TP1 & TP2 for EMI request 9. Change PM_VCOREL1, PM_VCOREL2 default level 10. Add PQ48 to controll +3V_PE to fix WLAN AW-GE780 can't detect issue 11. Power Charger part update circuit for new Adapter 12. Use SB GPI12 to detect LID signal level 13. Add H/W THERMTRIP circuit (page 36) 14. Add U40 to prevent system auto power on after clear CMOS 15. Use SB GPI7 for THRO_CPU 16. Power Charger part update circuit to prevent incorrect Adapter damage boards 17. Q1.1, Q2.1 change to +3V P701 1.2G Gerber Out
1.2G	2007/07/26 ~	P701 Schematic 1.3G Beginning 1. Add R11 for 801

P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : History	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 5 of 47	

P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : Blank	
	Engineer: *Tiansen_Wu*	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 6 of 47	

FSB clock fix 100MHz

	100MHz	133MHz
FSLA	1	1
FSLB	0	0
FSLC	1	0

P900_R1.1G_W/O_FLASH

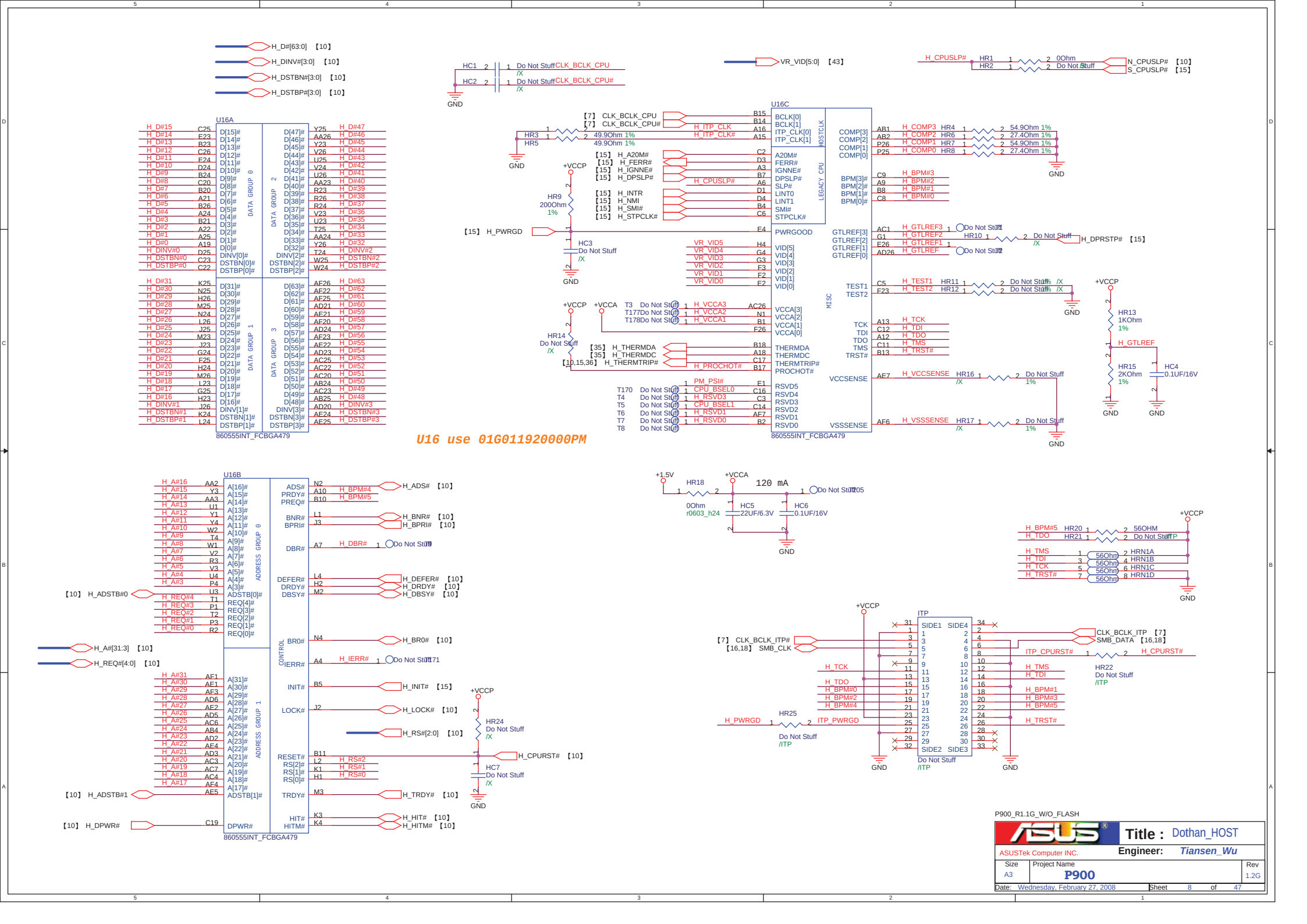
ASUSTek Computer INC.

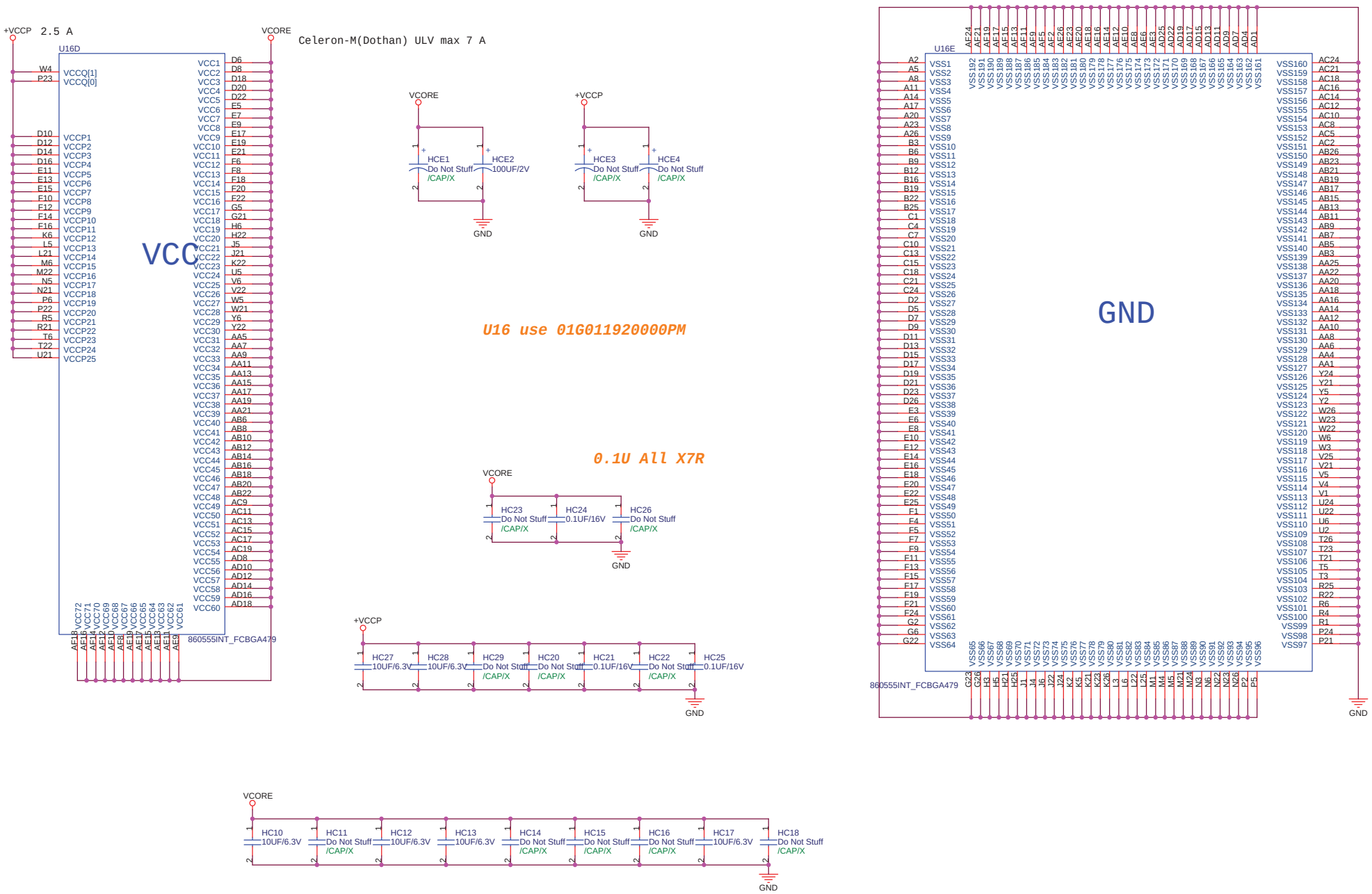
Title : Clock Gen_ICS9LPR426

Engineer: Tiansen_Wu

Size	Project Name	Rev
A3	P900	1.2G

Date: Wednesday, February 27, 2008 Sheet 7 of 47


H_D#[63:0] 【10】
H_DINV#[3:0] 【10】
H_DSTBN#[3:0] 【10】
H_DSTBP#[3:0] 【10】
U16A
860555INT_FCBGA479
HC1 Do Not Stuff /X CLK_BCLK_CPU
HC2 Do Not Stuff /X CLK_BCLK_CPU#
GND
VR_VID[5:0] 【43】
H_CPUSLP# HR1 HR2 0Ohm Do Not Stuff N_CPUSLP# 【10】 S_CPUSLP# 【15】
U16C
【7】 CLK_BCLK_CPU
【7】 CLK_BCLK_CPU#
HR3 HR5 49.9Ohm 1%
H_ITP_CLK
H_ITP_CLK#
【15】 H_A20M#
【15】 H_FERR#
【15】 H_IGNNE#
【15】 H_DPSLP#
H_CPUSLP#
【15】 H_INTR
【15】 H_NMI
【15】 H_SMI#
【15】 H_STPCLK#
+VCCP
HR9 200Ohm 1%
【15】 H_PWRGD
HC3 Do Not Stuff /X
VR_VID5
VR_VID4
VR_VID3
VR_VID2
VR_VID1
VR_VID0
COMP[3] COMP[2] COMP[1] COMP[0] 27.4Ohm 1% 54.9Ohm 1%
BPM[3]# BPM[2]# BPM[1]# BPM[0]#
H_BPM#3 H_BPM#2 H_BPM#1 H_BPM#0
GTLREF[3] GTLREF[2] GTLREF[1] GTLREF[0]
H_GTLREF3 H_GTLREF2 H_GTLREF1 H_GTLREF
HR10 Do Not Stuff /X
H_DPRSTP# 【15】
TEST1 TEST2
H_TEST1 H_TEST2 HR11 HR12 Do Not Stuff 1% /X
HR13 1KOhm 1%
H_GTLREF
HR15 2KOhm 1%
HC4 0.1UF/16V
+VCCA
T3 T177 T178 Do Not Stuff
H_VCCA3
H_VCCA2
H_VCCA1
HR14 Do Not Stuff /X
【35】 H_THERMDA
【35】 H_THERMDC
【10,15,36】 H_THERMTRIP#
H_PROCHOT#
T170 T4 T5 T6 T7 T8 Do Not Stuff
PM_PSI#
CPU_BSEL0
H_RSVD3
CPU_BSEL1
H_RSVD1
H_RSVD0
TCK TDI TDO TMS TRST#
H_TCK H_TDI H_TDO H_TMS H_TRST#
VCCSENSE VSSSENSE
H_VCCSENSE HR16 Do Not Stuff 1% /X
H_VSSSENSE HR17 Do Not Stuff 1% /X
U16 use 01G011920000PM
U16B
860555INT_FCBGA479
【10】 H_ADSTB#0
【10】 H_ADSTB#1
【10】 H_DPWR#
H_A#[31:3] 【10】
H_REQ#[4:0] 【10】
ADS# BPRI# DBR# DEFER# DRDY# DBSY# BR0# IERR# INIT# LOCK# RESET# TRDY# HIT# HITM#
H_ADS# 【10】
H_BNR# 【10】
H_BPRI# 【10】
H_DBR# Do Not Stuff
H_DEFER# 【10】
H_DRDY# 【10】
H_DBSY# 【10】
H_BR0# 【10】
H_IERR# Do Not Stuff
H_INIT# 【15】
H_LOCK# 【10】
H_RS#[2:0] 【10】
H_CPURST# 【10】
H_RS#2
H_RS#1
H_RS#0
H_TRDY# 【10】
H_HIT# 【10】
H_HITM# 【10】
HR24 Do Not Stuff /X
HC7 Do Not Stuff /X
+1.5V
HR18 0Ohm r0603_h24
120 mA
HC5 22UF/6.3V
HC6 0.1UF/16V
Do Not Stuff
H_BPM#5 H_TDO HR20 HR21 56OHM Do Not Stuff /ITP
H_TMS H_TDI H_TCK H_TRST# 56Ohm
HRN1A HRN1B HRN1C HRN1D
【7】 CLK_BCLK_ITP#
【16,18】 SMB_CLK
CLK_BCLK_ITP 【7】
SMB_DATA 【16,18】
ITP
SIDE1 SIDE2 SIDE3 SIDE4
ITP_CPURST#
H_CPURST#
HR22 Do Not Stuff /ITP
H_PWRGD
HR25 Do Not Stuff /ITP
ITP_PWRGD
P900_R1.1G_W/O_FLASH
Title : Dothan_HOST
ASUSTek Computer INC.
Engineer: Tiansen_Wu
Size A3
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
Sheet 8 of 47


+VCCP 2.5 A
VCORE
Celeron-M(Dothan) ULV max 7 A
U16D
VCCQ[1]
VCCQ[0]
VCCP1
VCCP2
VCCP3
VCCP4
VCCP5
VCCP6
VCCP7
VCCP8
VCCP9
VCCP10
VCCP11
VCCP12
VCCP13
VCCP14
VCCP15
VCCP16
VCCP17
VCCP18
VCCP19
VCCP20
VCCP21
VCCP22
VCCP23
VCCP24
VCCP25
VCC
VCC1
VCC2
VCC3
VCC4
VCC5
VCC6
VCC7
VCC8
VCC9
VCC10
VCC11
VCC12
VCC13
VCC14
VCC15
VCC16
VCC17
VCC18
VCC19
VCC20
VCC21
VCC22
VCC23
VCC24
VCC25
VCC26
VCC27
VCC28
VCC29
VCC30
VCC31
VCC32
VCC33
VCC34
VCC35
VCC36
VCC37
VCC38
VCC39
VCC40
VCC41
VCC42
VCC43
VCC44
VCC45
VCC46
VCC47
VCC48
VCC49
VCC50
VCC51
VCC52
VCC53
VCC54
VCC55
VCC56
VCC57
VCC58
VCC59
VCC60
VCC61
VCC62
VCC63
VCC64
VCC65
VCC66
VCC67
VCC68
VCC69
VCC70
VCC71
VCC72
860555INT_FCBGA479
VCORE
HCE1
Do Not Stuff
/CAP/X
HCE2
100UF/2V
GND
+VCCP
HCE3
Do Not Stuff
/CAP/X
HCE4
Do Not Stuff
/CAP/X
GND
U16 use 01G011920000PM
0.1U All X7R
VCORE
HC23
Do Not Stuff
/CAP/X
HC24
0.1UF/16V
HC26
Do Not Stuff
/CAP/X
GND
+VCCP
HC27
10UF/6.3V
HC28
10UF/6.3V
HC29
Do Not Stuff
/CAP/X
HC20
Do Not Stuff
/CAP/X
HC21
0.1UF/16V
HC22
Do Not Stuff
/CAP/X
HC25
0.1UF/16V
GND
VCORE
HC10
10UF/6.3V
HC11
Do Not Stuff
/CAP/X
HC12
10UF/6.3V
HC13
10UF/6.3V
HC14
Do Not Stuff
/CAP/X
HC15
Do Not Stuff
/CAP/X
HC16
Do Not Stuff
/CAP/X
HC17
10UF/6.3V
HC18
Do Not Stuff
/CAP/X
GND
U16E
GND
VSS1
VSS2
VSS3
VSS4
VSS5
VSS6
VSS7
VSS8
VSS9
VSS10
VSS11
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VSS187
VSS188
VSS189
VSS190
VSS191
VSS192
860555INT_FCBGA479
GND
P900_R1.1G_W/O_FLASH
ASUSTek Computer INC.
Title : Dothan_PWR_GND
Engineer: Tiansen_Wu
Size A3
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
Sheet 9 of 47

H_D#[63:0] 【8】
H_A#[31:3] 【8】
H_DSTBN#[3:0] 【8】
H_DSTBP#[3:0] 【8】
H_DINV#[3:0] 【8】
H_REQ#[4:0] 【8】
H_RS#[2:0] 【8】

U1D

HOST

H_D#0 E4
H_D#1 E1
H_D#2 F4
H_D#3 H7
H_D#4 E2
H_D#5 F1
H_D#6 E3
H_D#7 D3
H_D#8 K7
H_D#9 F2
H_D#10 J7
H_D#11 J8
H_D#12 H6
H_D#13 F3
H_D#14 K8
H_D#15 H5
H_D#16 H1
H_D#17 H2
H_D#18 K5
H_D#19 K6
H_D#20 J4
H_D#21 G3
H_D#22 H3
H_D#23 J1
H_D#24 L5
H_D#25 K4
H_D#26 J5
H_D#27 P7
H_D#28 L7
H_D#29 J3
H_D#30 P5
H_D#31 L3
H_D#32 U7
H_D#33 V6
H_D#34 R6
H_D#35 R5
H_D#36 P3
H_D#37 T8
H_D#38 R7
H_D#39 R8
H_D#40 U8
H_D#41 R4
H_D#42 T4
H_D#43 T5
H_D#44 R1
H_D#45 T3
H_D#46 V8
H_D#47 U6
H_D#48 W6
H_D#49 U3
H_D#50 V5
H_D#51 W8
H_D#52 W7
H_D#53 U2
H_D#54 U1
H_D#55 Y5
H_D#56 Y2
H_D#57 V4
H_D#58 Y7
H_D#59 W1
H_D#60 W3
H_D#61 Y3
H_D#62 Y6
H_D#63 W2

HD0# HD1# HD2# HD3# HD4# HD5# HD6# HD7# HD8# HD9# HD10# HD11# HD12# HD13# HD14# HD15# HD16# HD17# HD18# HD19# HD20# HD21# HD22# HD23# HD24# HD25# HD26# HD27# HD28# HD29# HD30# HD31# HD32# HD33# HD34# HD35# HD36# HD37# HD38# HD39# HD40# HD41# HD42# HD43# HD44# HD45# HD46# HD47# HD48# HD49# HD50# HD51# HD52# HD53# HD54# HD55# HD56# HD57# HD58# HD59# HD60# HD61# HD62# HD63#

N_HXRCOMP C1
N_HXSCOMP C2
N_HXSWING D1
N_HYRCOMP T1
N_HYSCOMP L1
N_HYSWING P1

HXRCOMP HXSCOMP HXSWING HYRCOMP HYSCOMP HYSWING

HA3# G9 H_A#3
HA4# C9 H_A#4
HA5# E9 H_A#5
HA6# B7 H_A#6
HA7# A10 H_A#7
HA8# F9 H_A#8
HA9# D8 H_A#9
HA10# B10 H_A#10
HA11# E10 H_A#11
HA12# G10 H_A#12
HA13# D9 H_A#13
HA14# E11 H_A#14
HA15# F10 H_A#15
HA16# G11 H_A#16
HA17# G13 H_A#17
HA18# C10 H_A#18
HA19# C11 H_A#19
HA20# D11 H_A#20
HA21# C12 H_A#21
HA22# B13 H_A#22
HA23# A12 H_A#23
HA24# F12 H_A#24
HA25# G12 H_A#25
HA26# E12 H_A#26
HA27# C13 H_A#27
HA28# B11 H_A#28
HA29# D13 H_A#29
HA30# A13 H_A#30
HA31# F13 H_A#31

HADS# F8 H_ADS# 【8】
HADSTB0# B9 H_ADSTB#0 【8】
HADSTB1# E13 H_ADSTB#1 【8】
HVREF J11 N_HVREF
HBNR# A5 H_BNR# 【8】
HBPRI# D5 H_BPRI# 【8】
HBREQ0# E7 H_BR0# 【8】
HCPURST# H10 H_CPURST# 【8】

HCLKN AB1 CLK_BCLK_MCH# 【7】
HCLKP AB2 CLK_BCLK_MCH 【7】

HDBSY# C6 H_DBSY# 【8】
HDEFER# E6 H_DEFER# 【8】
HDINV0# H8 H_DINV#0
HDINV1# K3 H_DINV#1
HDINV2# T7 H_DINV#2
HDINV3# U5 H_DINV#3
HDPWR# G6 H_DPWR# 【8】
HDRDY# E7 H_DRDY# 【8】
HDSTBN0# G4 H_DSTBN#0
HDSTBN1# K1 H_DSTBN#1
HDSTBN2# R3 H_DSTBN#2
HDSTBN3# V3 H_DSTBN#3
HDSTBP0# G5 H_DSTBP#0
HDSTBP1# K2 H_DSTBP#1
HDSTBP2# R2 H_DSTBP#2
HDSTBP3# W4 H_DSTBP#3
RSVD32 E6 N_HEDRDY# 1 Do Not Stuff 54
HHIT# D4 H_HIT# 【8】
HHITM# D6 H_HITM# 【8】
HLOCK# B3 H_LOCK# 【8】
RSVD33 A11 N_HPCREQ# 1 Do Not Stuff 56
HREQ0# A7 H_REQ#0
HREQ1# D7 H_REQ#1
HREQ2# B8 H_REQ#2
HREQ3# C7 H_REQ#3
HREQ4# A8 H_REQ#4
HRS0# A4 H_RS#0
HRS1# C5 H_RS#1
HRS2# B4 H_RS#2
HCPUSLP# G8 N_CPUSLP# 【8】
HTRDY# B5 H_TRDY# 【8】

NQ82915PM

U1 use 02G010007612

CLK_BCLK_MCH NC3 2 1 Do Not Stuff /X
CLK_BCLK_MCH# NC4 2 1 Do Not Stuff /X
GND

DMI_RXN[3:0] 【16】
DMI_RXP[3:0] 【16】
DMI_TXN[3:0] 【16】
DMI_TXP[3:0] 【16】

U1A

DMI_TXN0 AA31
DMI_TXN1 AB35
DMI_TXN2 AC31
DMI_TXN3 AD35
DMI_TXP0 Y31
DMI_TXP1 AA35
DMI_TXP2 AB31
DMI_TXP3 AC35
DMI_RXN0 AA33
DMI_RXN1 AB37
DMI_RXN2 AC33
DMI_RXN3 AD37
DMI_RXP0 Y33
DMI_RXP1 AA37
DMI_RXP2 AB33
DMI_RXP3 AC37

DMI_RXN0 DMI_RXN1 DMI_RXN2 DMI_RXN3
DMI_RXP0 DMI_RXP1 DMI_RXP2 DMI_RXP3
DMI_TXN0 DMI_TXN1 DMI_TXN2 DMI_TXN3
DMI_TXP0 DMI_TXP1 DMI_TXP2 DMI_TXP3

DMI

【18】 MCLK_DDR0 AM33
【18】 MCLK_DDR1 AL1
MCLK_DDR2 1 AE11
T44 Do Not Stuff
AJ34
AF6
AC10
【18】 MCLK_DDR0# AN33
【18】 MCLK_DDR1# AK1
MCLK_DDR2# 1 AE10
T50 Do Not Stuff
AJ33
AF5
AD10
【18,19】 MA_CKE0 AP21
【18,19】 MA_CKE1 AM21
AH21
AK21
【18,19】 MA_CS#0 AN16
【18,19】 MA_CS#1 AM14
AH15
AG16
N_MOCDCOMP0 AF22
N_MOCDCOMP1 AF16
【18,19】 MA_ODT0 AP14
【18,19】 MA_ODT1 AL15
AM11
AN10
N_MRCOMPN AK10
N_MRCOMPP AK11
N_MVREF AF37
AD1
N_MXSLEWIN AF27
N_MXSLEWOUT AE28
N_MYSLEWIN AF9
N_MYSLEWOUT AF10

SM_CK0 SM_CK1 RSVD28 SM_CK3 SM_CK4 RSVD30
SM_CK0# SM_CK1# RSVD29 SM_CK3# SM_CK4# RSVD31
SM_CKE0 SM_CKE1 SM_CKE2 SM_CKE3
SM_CS0# SM_CS1# SM_CS2# SM_CS3#
SMOCDCOMP0 SMOCDCOMP1
SM_ODT0 SM_ODT1 SM_ODT2 SM_ODT3
SMRCOMPN SMRCOMPP SMVREF0 SMVREF1 SMXSLEWIN SMXSLEWOUT SMYSLEWIN SMYSLEWOUT

DDR MUXING

JP1 1 2 Do Not Stuff
JP2 1 2 Do Not Stuff

CFG0 G16 N_CFG0
CFG1 H13 N_CFG1
CFG2 G14 N_CFG2
CFG3 F16 N_CFG3 1 Do Not Stuff 25
CFG4 F15 N_CFG4 1 Do Not Stuff 26
CFG5 G15 N_CFG5 NR28 1 2 Do Not Stuff /X
CFG6 E16 N_CFG6
CFG7 D17 N_CFG7 1 Do Not Stuff 172
CFG8 J16 N_CFG8 1 Do Not Stuff 29
CFG9 D15 N_CFG9 1 Do Not Stuff 30
CFG10 E15 N_CFG10 1 Do Not Stuff 31
CFG11 D14 N_CFG11 1 Do Not Stuff 32
CFG12 E14 N_CFG12 1 Do Not Stuff 33
CFG13 H12 N_CFG13 1 Do Not Stuff 34
CFG14 C14 N_CFG14 1 Do Not Stuff 35
CFG15 H15 N_CFG15 1 Do Not Stuff 36
CFG16 J15 N_CFG16 1 Do Not Stuff 37
CFG17 H14 N_CFG17 1 Do Not Stuff 38
CFG18 G22 N_CFG18 1 Do Not Stuff 39
CFG19 G23 N_CFG19 1 Do Not Stuff 40
CFG20 D23 N_CFG20 1 Do Not Stuff 41
RSVD21 G25 N_LT_TRUST 1 Do Not Stuff 42
RSVD22 G24 N_LT_RST# 1 Do Not Stuff 43
RSVD23 J17 N_TESTIN# 1 Do Not Stuff 45
RSVD24 A31 N_LADATAN3 1 Do Not Stuff 46
RSVD25 A30 N_LADATAP3 1 Do Not Stuff 47
RSVD26 D26 N_LBDATAN3 1 Do Not Stuff 48
RSVD27 D25 N_LBDATAP3 1 Do Not Stuff 49

CFG

BM_BUSY# J23 PM_BMBUSY# 【15】
EXT_TS0# J21 N_EXT_TS#0
EXT_TS1# H22 N_EXT_TS#1
THRMTRIP# E5 H_THERMTRIP# 【8,15,36】
PWROK AD30 PM_PWROK 【15,32】
RSTIN# AE29 PLT_RST# 【15,22,23】

PM

DREF_CLKN A24 CLK_96M_UMA# 【7】
DREF_CLKP A23 CLK_96M_UMA 【7】
DREF_SSCLKN C37 CLK_LCD_LVDS# 【7】
DREF_SSCLKP D37 CLK_LCD_LVDS 【7】

CLK

NC1 AP37
NC2 AN37
NC3 AP36
NC4 AP2
NC5 AP1
NC6 AN1
NC7 B1
NC8 A2
NC9 B37
NC10 A36
NC11 A37 N_NC11 1 Do Not Stuff 55

NC

NQ82915PM

+2.5V
N_CFG0 7 1KOhm 8 NRN1D
N_CFG2 5 1KOhm 6 NRN1C
N_CFG1 1 1KOhm 2 NRN1A
N_CFG6 3 1KOhm 4 NRN1B
GND

FSB fix 100MHz

+2.5V
N_EXT_TS#0 1 4.7KOhm 2 NRN3A
N_EXT_TS#1 3 4.7KOhm 4 NRN3B

CLK_96M_UMA NC5 2 1 Do Not Stuff /X
CLK_96M_UMA# NC6 2 1 Do Not Stuff /X
CLK_LCD_LVDS NC7 2 1 Do Not Stuff /X
CLK_LCD_LVDS# NC8 2 1 Do Not Stuff /X
GND

PM_PWROK NC9 1 2 Do Not Stuff /X
PLT_RST# NC10 1 2 Do Not Stuff /X
GND

+1.8V_DUAL
N_MRCOMPN NR9 1 2 80.6Ohm 1%
N_MRCOMPP NR10 1 2 80.6Ohm 1%
GND

N_MOCDCOMP0 NR11 1 2 40.2Ohm 1%
N_MOCDCOMP1 NR12 1 2 40.2Ohm 1%
GND

+VCCP
N_HXSCOMP NR17 1 2 54.9Ohm 1%
N_HYSCOMP NR18 1 2 54.9Ohm 1%
N_HXRCOMP NR19 1 2 24.9Ohm 1%
N_HYRCOMP NR20 1 2 24.9Ohm 1%
GND

+VCCP
NR13 2.21KOhm 1%
N_HXSWING
NR21 1KOhm 1%
NC11 0.1UF/16V
GND GND

+VCCP
NR14 2.21KOhm 1%
N_HYSWING
NR22 1KOhm 1%
NC12 0.1UF/16V
GND GND

+VCCP
NR15 1KOhm 1%
N_HVREF
NR23 2KOhm 1%
NC13 0.1UF/16V
GND GND

+1.8V_DUAL
NR16 1KOhm 1%
N_MVREF
NR24 1KOhm 1%
NC14 0.1UF/16V
GND GND

P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.

Title : 910GML_HOST_DMI

Engineer: Tiansen_Wu

Size	Project Name	Rev
A3	P900	1.2G

Date: Wednesday, February 27, 2008 Sheet 10 of 47

MA_DQ[63:0] 【18】
MA_DQS[7:0] 【18】
MA_DQS#[7:0] 【18】
MA_DM[7:0] 【18】
MA_MA[13:0] 【18,19】
MA_BA[2:0] 【18,19】

U1 use 02G010007612

U1B

DDR SYSTEM MEMORY A

MA_DQ0	AG35	SA_DQ0	SA_BS0	AK15	MA_BA0
MA_DQ1	AH35	SA_DQ1	SA_BS1	AK16	MA_BA1
MA_DQ2	AL35	SA_DQ2	SA_BS2	AL21	MA_BA2
MA_DQ3	AL37	SA_DQ3			
MA_DQ4	AH36	SA_DQ4	SA_DM0	AJ37	MA_DM0
MA_DQ5	AJ35	SA_DQ5	SA_DM1	AP35	MA_DM1
MA_DQ6	AK37	SA_DQ6	SA_DM2	AL29	MA_DM2
MA_DQ7	AL34	SA_DQ7	SA_DM3	AP24	MA_DM3
MA_DQ8	AM36	SA_DQ8	SA_DM4	AP9	MA_DM4
MA_DQ9	AN35	SA_DQ9	SA_DM5	AP4	MA_DM5
MA_DQ10	AP32	SA_DQ10	SA_DM6	AJ2	MA_DM6
MA_DQ11	AM31	SA_DQ11	SA_DM7	AD3	MA_DM7
MA_DQ12	AM34	SA_DQ12			
MA_DQ13	AM35	SA_DQ13	SA_DQS0	AK36	MA_DQS0
MA_DQ14	AL32	SA_DQ14	SA_DQS1	AP33	MA_DQS1
MA_DQ15	AM32	SA_DQ15	SA_DQS2	AN29	MA_DQS2
MA_DQ16	AN31	SA_DQ16	SA_DQS3	AP23	MA_DQS3
MA_DQ17	AP31	SA_DQ17	SA_DQS4	AM8	MA_DQS4
MA_DQ18	AN28	SA_DQ18	SA_DQS5	AM4	MA_DQS5
MA_DQ19	AP28	SA_DQ19	SA_DQS6	AJ1	MA_DQS6
MA_DQ20	AL30	SA_DQ20	SA_DQS7	AE5	MA_DQS7
MA_DQ21	AM30	SA_DQ21			
MA_DQ22	AM28	SA_DQ22	SA_DQS0#	AK35	MA_DQS#0
MA_DQ23	AL28	SA_DQ23	SA_DQS1#	AP34	MA_DQS#1
MA_DQ24	AP27	SA_DQ24	SA_DQS2#	AN30	MA_DQS#2
MA_DQ25	AM27	SA_DQ25	SA_DQS3#	AN23	MA_DQS#3
MA_DQ26	AM23	SA_DQ26	SA_DQS4#	AN8	MA_DQS#4
MA_DQ27	AM22	SA_DQ27	SA_DQS5#	AM5	MA_DQS#5
MA_DQ28	AL23	SA_DQ28	SA_DQS6#	AH1	MA_DQS#6
MA_DQ29	AM24	SA_DQ29	SA_DQS7#	AE4	MA_DQS#7
MA_DQ30	AN22	SA_DQ30			
MA_DQ31	AP22	SA_DQ31	SA_MA0	AL17	MA_MA0
MA_DQ32	AM9	SA_DQ32	SA_MA1	AP17	MA_MA1
MA_DQ33	AL9	SA_DQ33	SA_MA2	AP18	MA_MA2
MA_DQ34	AL6	SA_DQ34	SA_MA3	AM17	MA_MA3
MA_DQ35	AP7	SA_DQ35	SA_MA4	AN18	MA_MA4
MA_DQ36	AP11	SA_DQ36	SA_MA5	AM18	MA_MA5
MA_DQ37	AP10	SA_DQ37	SA_MA6	AL19	MA_MA6
MA_DQ38	AL7	SA_DQ38	SA_MA7	AP20	MA_MA7
MA_DQ39	AM7	SA_DQ39	SA_MA8	AM19	MA_MA8
MA_DQ40	AN5	SA_DQ40	SA_MA9	AL20	MA_MA9
MA_DQ41	AN6	SA_DQ41	SA_MA10	AM16	MA_MA10
MA_DQ42	AN3	SA_DQ42	SA_MA11	AN20	MA_MA11
MA_DQ43	AP3	SA_DQ43	SA_MA12	AM20	MA_MA12
MA_DQ44	AP6	SA_DQ44	SA_MA13	AM15	MA_MA13
MA_DQ45	AM6	SA_DQ45			
MA_DQ46	AL4	SA_DQ46	SA_CAS#	AN15	MA_CAS# 【18,19】
MA_DQ47	AM3	SA_DQ47	SA_RAS#	AP16	MA_RAS# 【18,19】
MA_DQ48	AK2	SA_DQ48	SA_RCVENIN#	AF29	MA_RCVENIN# 1 Do Not Stuff 157
MA_DQ49	AK3	SA_DQ49	SA_RCVENOUT#	AF28	MA_RCVENOUT# 1 Do Not Stuff 158
MA_DQ50	AG2	SA_DQ50	SA_WE#	AP15	MA_WE# 【18,19】
MA_DQ51	AG1	SA_DQ51			
MA_DQ52	AL3	SA_DQ52			
MA_DQ53	AM2	SA_DQ53			
MA_DQ54	AH3	SA_DQ54			
MA_DQ55	AG3	SA_DQ55			
MA_DQ56	AF3	SA_DQ56			
MA_DQ57	AE3	SA_DQ57			
MA_DQ58	AD6	SA_DQ58			
MA_DQ59	AC4	SA_DQ59			
MA_DQ60	AE2	SA_DQ60			
MA_DQ61	AF1	SA_DQ61			
MA_DQ62	AD4	SA_DQ62			
MA_DQ63	AD5	SA_DQ63			

NQ82915PM

U1C

DDR SYSTEM MEMORY B

AE31	SB_DQ0			
AE32	SB_DQ1	SB_BS0	AJ15	
AG32	SB_DQ2	SB_BS1	AG17	
AG36	SB_DQ3	SB_BS2	AG21	
AE34	SB_DQ4			
AE33	SB_DQ5	SB_DM0	AF32	
AF31	SB_DQ6	SB_DM1	AK34	
AF30	SB_DQ7	SB_DM2	AK27	
AH33	SB_DQ8	SB_DM3	AK24	
AH32	SB_DQ9	SB_DM4	AJ10	
AK31	SB_DQ10	SB_DM5	AK5	
AG30	SB_DQ11	SB_DM6	AE7	
AG34	SB_DQ12	SB_DM7	AB7	
AG33	SB_DQ13			
AH31	SB_DQ14	SB_DQS0	AF34	
AJ31	SB_DQ15	SB_DQS1	AK32	
AK30	SB_DQ16	SB_DQS2	AJ28	
AJ30	SB_DQ17	SB_DQS3	AK23	
AH29	SB_DQ18	SB_DQS4	AM10	
AH28	SB_DQ19	SB_DQS5	AH6	
AK29	SB_DQ20	SB_DQS6	AF8	
AH30	SB_DQ21	SB_DQS7	AB4	
AH27	SB_DQ22			
AG28	SB_DQ23	SB_DQS0#	AF35	
AF24	SB_DQ24	SB_DQS1#	AK33	
AG23	SB_DQ25	SB_DQS2#	AK28	
AJ22	SB_DQ26	SB_DQS3#	AJ23	
AK22	SB_DQ27	SB_DQS4#	AL10	
AH24	SB_DQ28	SB_DQS5#	AH7	
AH23	SB_DQ29	SB_DQS6#	AF7	
AG22	SB_DQ30	SB_DQS7#	AB5	
AJ21	SB_DQ31			
AG10	SB_DQ32	SB_MA0	AH17	
AG9	SB_DQ33	SB_MA1	AK17	
AG8	SB_DQ34	SB_MA2	AH18	
AH8	SB_DQ35	SB_MA3	AJ18	
AH11	SB_DQ36	SB_MA4	AK18	
AH10	SB_DQ37	SB_MA5	AJ19	
AJ9	SB_DQ38	SB_MA6	AK19	
AK9	SB_DQ39	SB_MA7	AH19	
AJ7	SB_DQ40	SB_MA8	AJ20	
AK6	SB_DQ41	SB_MA9	AH20	
AJ4	SB_DQ42	SB_MA10	AJ16	
AH5	SB_DQ43	SB_MA11	AG18	
AK8	SB_DQ44	SB_MA12	AG20	
AJ8	SB_DQ45	SB_MA13	AG15	
AJ5	SB_DQ46			
AK4	SB_DQ47	SB_CAS#	AH14	
AG5	SB_DQ48	SB_RAS#	AK14	
AG4	SB_DQ49	SB_RCVENIN#	AF15	
AD8	SB_DQ50	SB_RCVENOUT#	AF14	
AD9	SB_DQ51	SB_WE#	AH16	
AH4	SB_DQ52			
AG6	SB_DQ53			
AF8	SB_DQ54			
AD7	SB_DQ55			
AC5	SB_DQ56			
AB8	SB_DQ57			
AB6	SB_DQ58			
AA8	SB_DQ59			
AC8	SB_DQ60			
AC7	SB_DQ61			
AA4	SB_DQ62			
AA5	SB_DQ63			

NQ82915PM

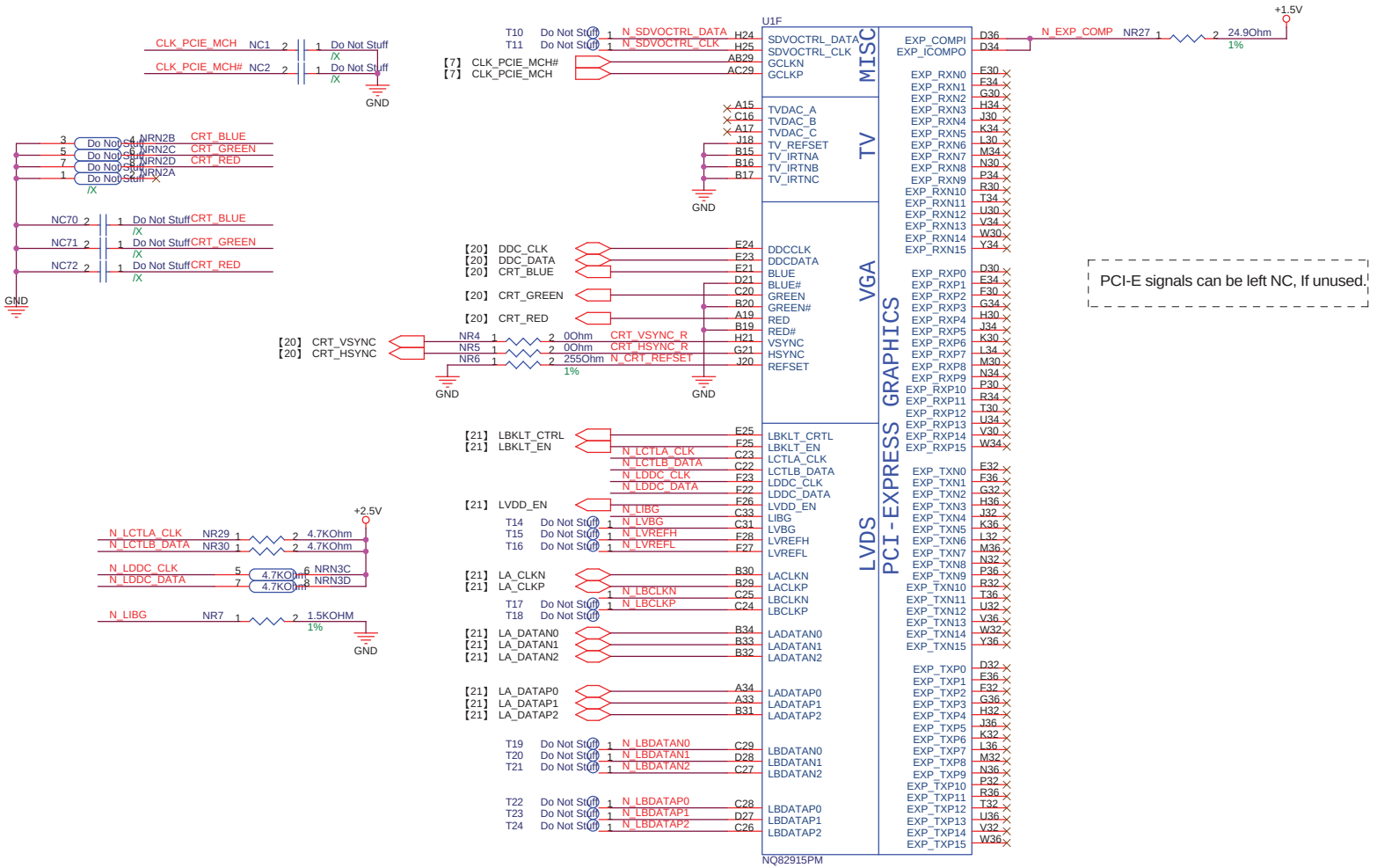
P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : 910GML_DRAM	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 11 of 47	

SDVO SMbus have internal pull down

SDVOCRTL_DATA Int PD
0 : No SDVO device
1 : SDVO device present

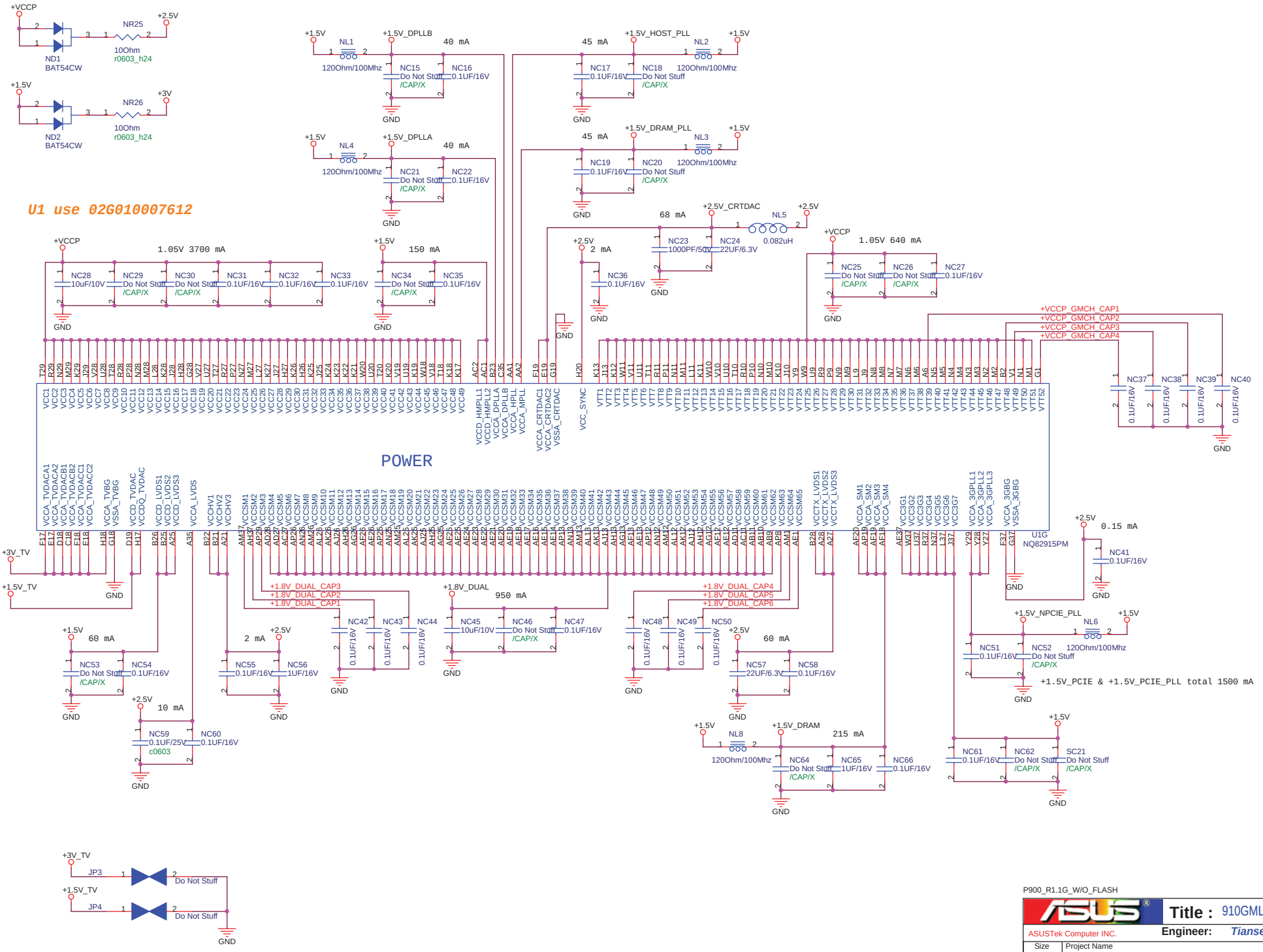
U1 use 02G010007612



PCI-E signals can be left NC, If unused.

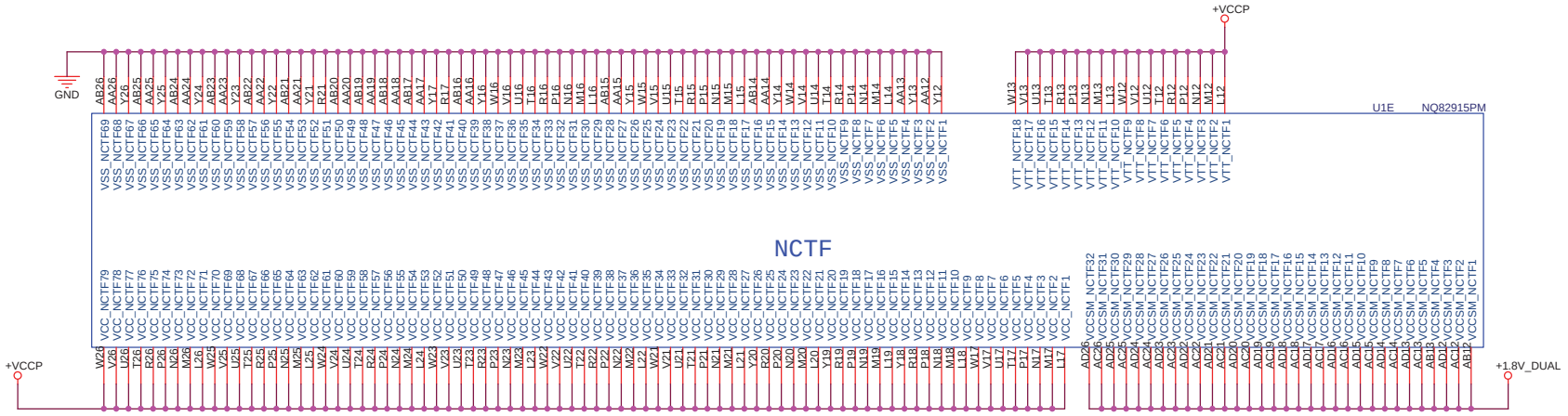
P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : 910GML_VGA_LVDS	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 12 of 47	

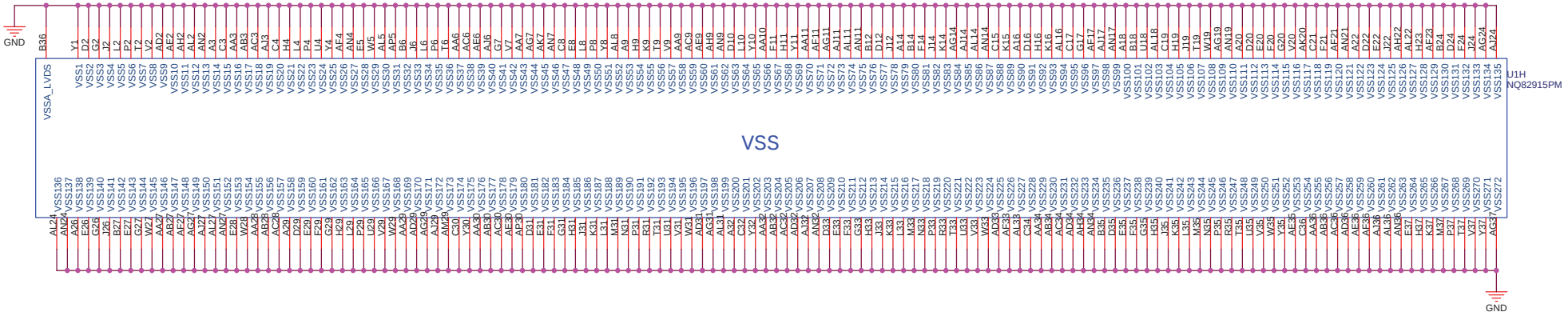


P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : 910GML_PWR	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 13 of 47	

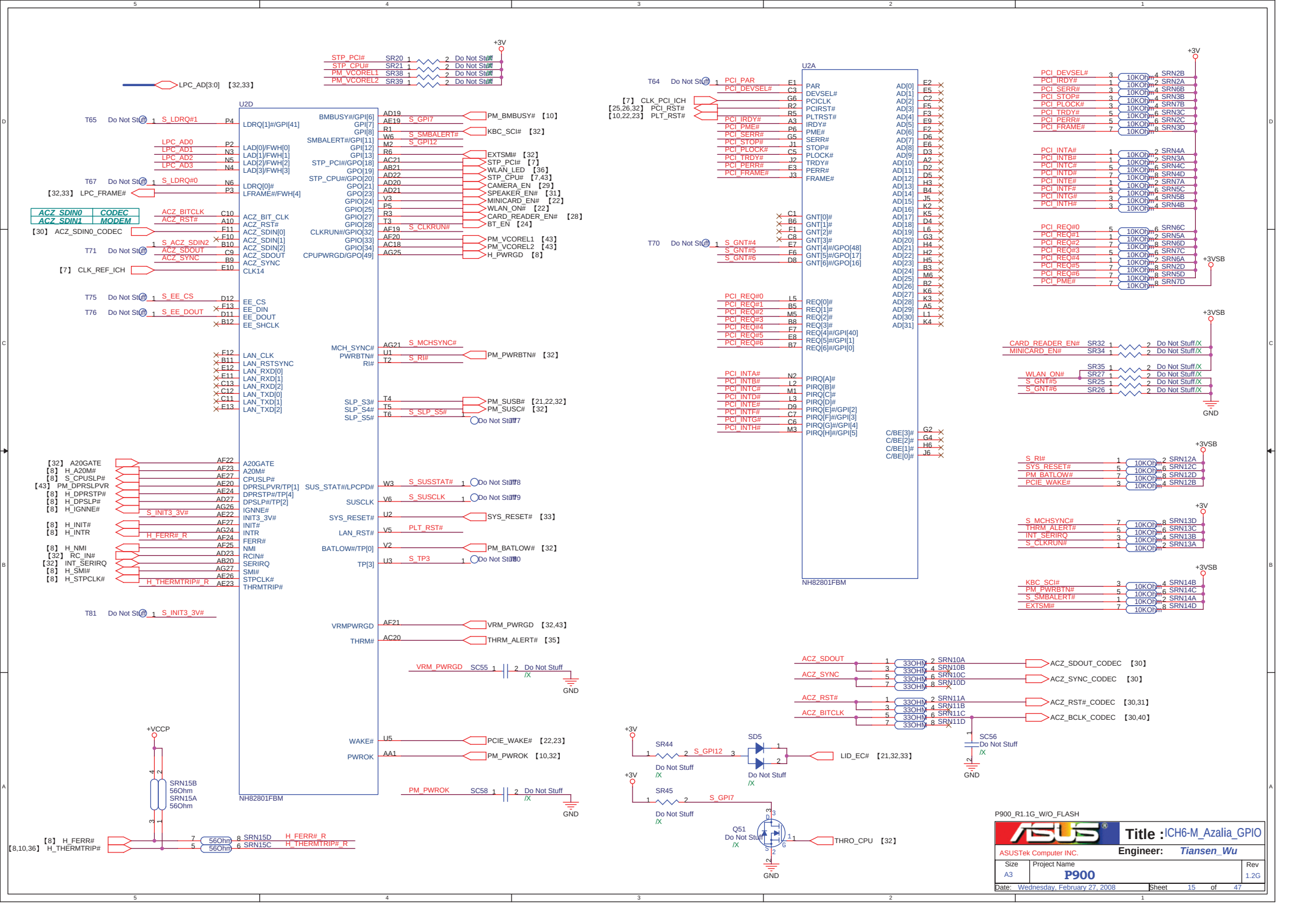


U1 use 02G010007612



P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : 910GML_GND	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 14 of 47	


U2D
NH82801FBM
U2A
NH82801FBM
LPC_AD[3:0] 【32,33】
LPC_FRAME# 【32,33】
CLK_REF_ICH 【7】
ACZ_SDIN0_CODEC 【30】
ACZ_SDIN0 CODEC
ACZ_SDIN1 MODEM
T64 Do Not Stuff
T65 Do Not Stuff
T67 Do Not Stuff
T70 Do Not Stuff
T71 Do Not Stuff
T75 Do Not Stuff
T76 Do Not Stuff
T81 Do Not Stuff
S_LDRQ#1
S_LDRQ#0
S_ACZ_SDIN2
S_EE_CS
S_EE_DOUT
S_INIT3_3V#
S_GNT#4
S_GNT#5
S_GNT#6
LPC_AD0
LPC_AD1
LPC_AD2
LPC_AD3
ACZ_BITCLK
ACZ_RST#
ACZ_SDOUT
ACZ_SYNC
PCI_PAR
PCI_DEVSEL#
PCI_IRDY#
PCI_PME#
PCI_SERR#
PCI_STOP#
PCI_PLOCK#
PCI_TRDY#
PCI_PERR#
PCI_FRAME#
PCI_REQ#0
PCI_REQ#1
PCI_REQ#2
PCI_REQ#3
PCI_REQ#4
PCI_REQ#5
PCI_REQ#6
PCI_INTA#
PCI_INTB#
PCI_INTC#
PCI_INTD#
PCI_INTE#
PCI_INTF#
PCI_INTG#
PCI_INTH#
【7】 CLK_PCI_ICH
【25,26,32】 PCI_RST#
【10,22,23】 PLT_RST#
LDRQ[1]#/GPI[41]
LDRQ[0]#
LFRAME#/FWH[4]
LAD[0]/FWH[0]
LAD[1]/FWH[1]
LAD[2]/FWH[2]
LAD[3]/FWH[3]
ACZ_BIT_CLK
ACZ_RST#
ACZ_SDIN[0]
ACZ_SDIN[1]
ACZ_SDIN[2]
ACZ_SDOUT
ACZ_SYNC
CLK14
EE_CS
EE_DIN
EE_DOUT
EE_SHCLK
LAN_CLK
LAN_RSTSYNC
LAN_RXD[0]
LAN_RXD[1]
LAN_RXD[2]
LAN_TXD[0]
LAN_TXD[1]
LAN_TXD[2]
A20GATE
A20M#
CPUSLP#
DPRSLPVR/TP[1]
DPRSTP#/TP[4]
DPSLP#/TP[2]
IGNNE#
INIT3_3V#
INIT#
INTR
FERR#
NMI
RCIN#
SERIRQ
SMI#
STPCLK#
THRMTRIP#
【32】 A20GATE
【8】 H_A20M#
【8】 S_CPUSLP#
【43】 PM_DPRSLPVR
【8】 H_DPRSTP#
【8】 H_DPSLP#
【8】 H_IGNNE#
【8】 H_INIT#
【8】 H_INTR
【8】 H_NMI
【32】 RC_IN#
【32】 INT_SERIRQ
【8】 H_SMI#
【8】 H_STPCLK#
H_FERR#_R
H_THERMTRIP#_R
BMBUSY#/GPI[6]
GPI[7]
GPI[8]
SMBALERT#/GPI[11]
GPI[12]
GPI[13]
STP_PCI#/GPO[18]
GPO[19]
STP_CPU#/GPO[20]
GPO[21]
GPO[23]
GPO[24]
GPO[25]
GPO[27]
GPO[28]
CLKRUN#/GPIO[32]
GPIO[33]
GPIO[34]
CPUPWRGD/GPO[49]
S_GPI7
S_SMBALERT#
S_GPI12
S_CLKRUN#
PM_BMBUSY# 【10】
KBC_SCI# 【32】
EXTSMI# 【32】
STP_PCI# 【7】
WLAN_LED 【36】
STP_CPU# 【7,43】
CAMERA_EN 【29】
SPEAKER_EN# 【31】
MINICARD_EN# 【22】
WLAN_ON# 【22】
CARD_READER_EN# 【28】
BT_EN 【24】
PM_VCOREL1 【43】
PM_VCOREL2 【43】
H_PWRGD 【8】
MCH_SYNC#
PWRBTN#
RI#
S_MCHSYNC#
S_RI#
PM_PWRBTN# 【32】
SLP_S3#
SLP_S4#
SLP_S5#
S_SLP_S5#
PM_SUSB# 【21,22,32】
PM_SUSC# 【32】
SUS_STAT#/LPCPD#
SUSCLK
SYS_RESET#
LAN_RST#
BATLOW#/TP[0]
TP[3]
S_SUSSTAT#
S_SUSCLK
S_TP3
SYS_RESET# 【33】
PLT_RST#
PM_BATLOW# 【32】
VRMPWRGD
THRM#
VRM_PWRGD 【32,43】
THRM_ALERT# 【35】
WAKE#
PWROK
PCIE_WAKE# 【22,23】
PM_PWROK 【10,32】
PIRQ[A]#
PIRQ[B]#
PIRQ[C]#
PIRQ[D]#
PIRQ[E]#/GPI[2]
PIRQ[F]#/GPI[3]
PIRQ[G]#/GPI[4]
PIRQ[H]#/GPI[5]
REQ[0]#
REQ[1]#
REQ[2]#
REQ[3]#
REQ[4]#/GPI[40]
REQ[5]#/GPI[1]
REQ[6]#/GPI[0]
GNT[0]#
GNT[1]#
GNT[2]#
GNT[3]#
GNT[4]#/GPO[48]
GNT[5]#/GPO[17]
GNT[6]#/GPO[16]
C/BE[3]#
C/BE[2]#
C/BE[1]#
C/BE[0]#
AD[0]
AD[1]
AD[2]
AD[3]
AD[4]
AD[5]
AD[6]
AD[7]
AD[8]
AD[9]
AD[10]
AD[11]
AD[12]
AD[13]
AD[14]
AD[15]
AD[16]
AD[17]
AD[18]
AD[19]
AD[20]
AD[21]
AD[22]
AD[23]
AD[24]
AD[25]
AD[26]
AD[27]
AD[28]
AD[29]
AD[30]
AD[31]
SRN2B
SRN2A
SRN6B
SRN3B
SRN7B
SRN3C
SRN2C
SRN3D
SRN4A
SRN3A
SRN4C
SRN4D
SRN7A
SRN5C
SRN5B
SRN4B
SRN6C
SRN5A
SRN6D
SRN7C
SRN6A
SRN2D
SRN5D
SRN7D
CARD_READER_EN# SR32
MINICARD_EN# SR34
WLAN_ON# SR27
S_GNT#5 SR25
S_GNT#6 SR26
SR35
Do Not Stuff/X
S_RI# SRN12A
SYS_RESET# SRN12C
PM_BATLOW# SRN12D
PCIE_WAKE# SRN12B
S_MCHSYNC# SRN13D
THRM_ALERT# SRN13C
INT_SERIRQ SRN13B
S_CLKRUN# SRN13A
KBC_SCI# SRN14B
PM_PWRBTN# SRN14C
S_SMBALERT# SRN14A
EXTSMI# SRN14D
10KOhm
ACZ_SDOUT SRN10A
ACZ_SYNC SRN10B
SRN10C
SRN10D
ACZ_RST# SRN11A
ACZ_BITCLK SRN11B
SRN11C
SRN11D
33OHM
ACZ_SDOUT_CODEC 【30】
ACZ_SYNC_CODEC 【30】
ACZ_RST#_CODEC 【30,31】
ACZ_BCLK_CODEC 【30,40】
SC56
SR44
SR45
SD5
S_GPI12
S_GPI7
LID_EC# 【21,32,33】
Q51
THRO_CPU 【32】
SRN15B
56Ohm
SRN15A
SRN15D
SRN15C
【8】 H_FERR#
【8,10,36】 H_THERMTRIP#
VRM_PWRGD SC55
PM_PWROK SC58
+3V
+3VSB
+VCCP
GND
P900_R1.1G_W/O_FLASH
Title : ICH6-M_Azalia_GPIO
ASUSTek Computer INC.
Engineer: Tiansen_Wu
Size A3
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
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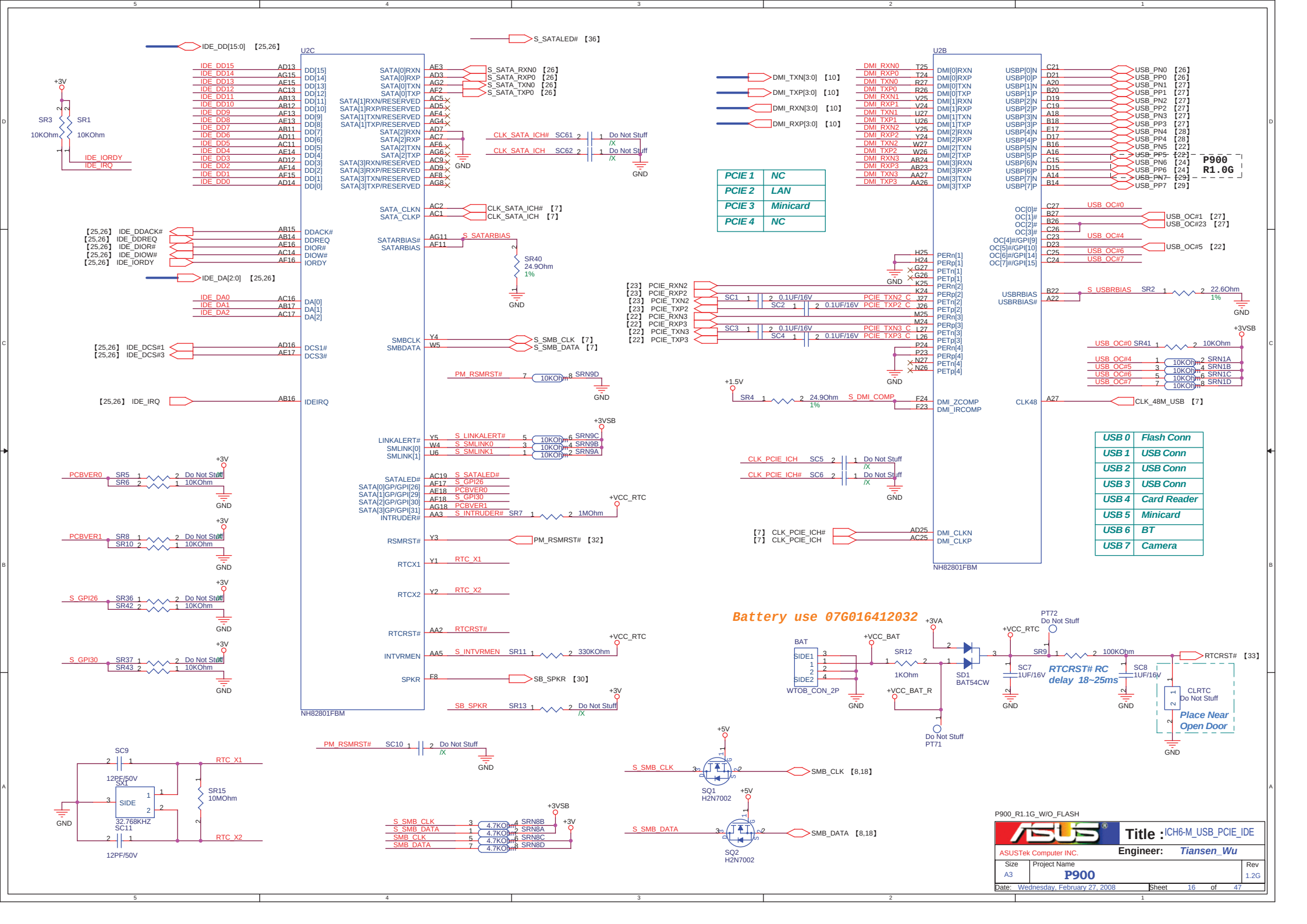
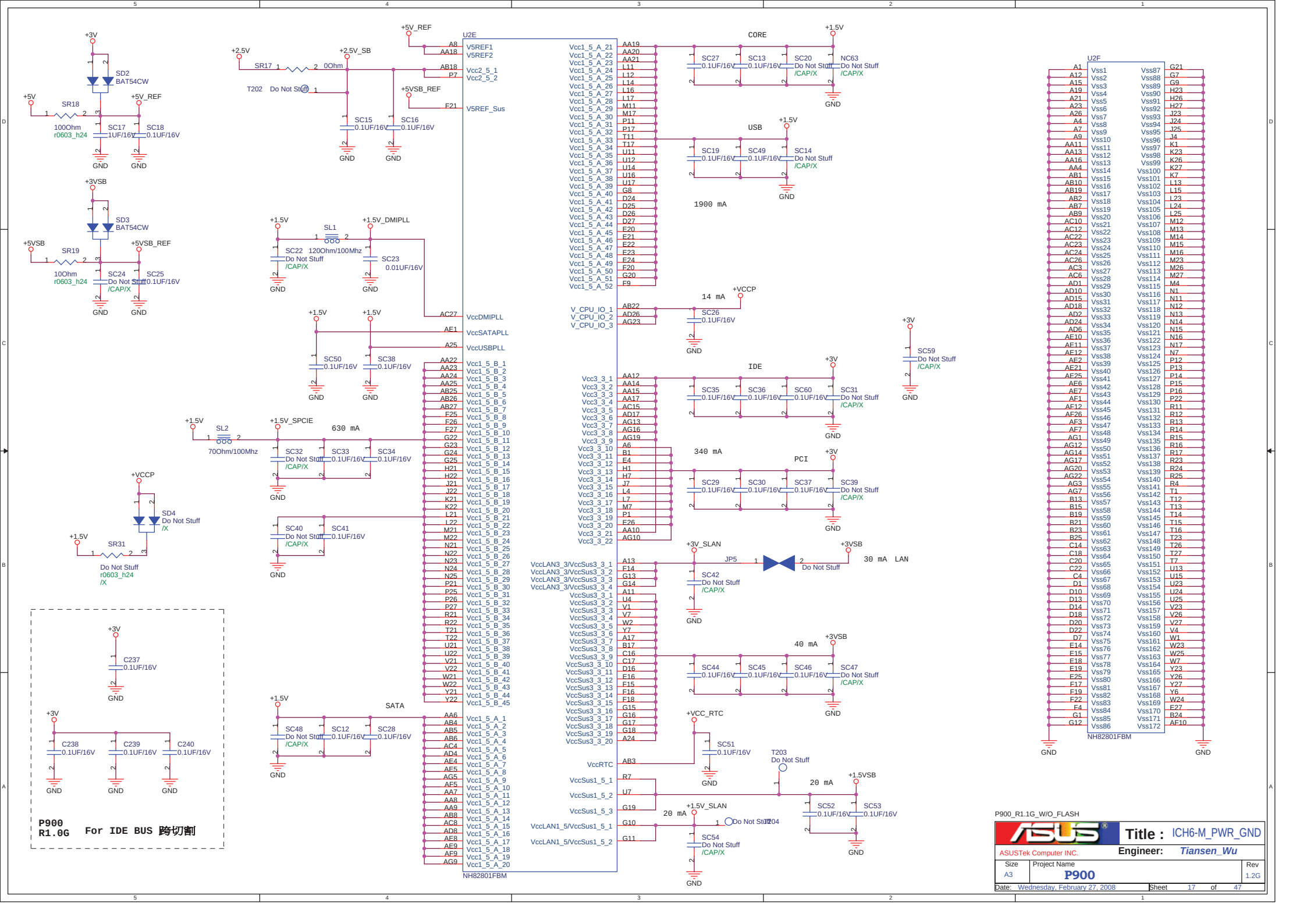

U2C
NH82801FBM
U2B
NH82801FBM
IDE_DD[15:0] 【25,26】
S_SATALED# 【36】
DMI_TXN[3:0] 【10】
DMI_TXP[3:0] 【10】
DMI_RXN[3:0] 【10】
DMI_RXP[3:0] 【10】
PCIE 1 NC
PCIE 2 LAN
PCIE 3 Minicard
PCIE 4 NC
USB 0 Flash Conn
USB 1 USB Conn
USB 2 USB Conn
USB 3 USB Conn
USB 4 Card Reader
USB 5 Minicard
USB 6 BT
USB 7 Camera
P900
R1.0G
Battery use 07G016412032
RTCRST# RC delay 18~25ms
Place Near Open Door
WTOB_CON_2P
SX1
32.768KHZ
SQ1 H2N7002
SQ2 H2N7002
P900_R1.1G_W/O_FLASH
Title : ICH6-M_USB_PCIE_IDE
ASUSTek Computer INC.
Engineer: Tiansen_Wu
Size A3
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
Sheet 16 of 47


+3V
SD2
BAT54CW
+5V
SR18
100Ohm
r0603_h24
+5V_REF
SC17
1UF/16V
SC18
0.1UF/16V
GND
+3VSB
SD3
BAT54CW
+5VSB
SR19
10Ohm
r0603_h24
+5VSB_REF
SC24
Do Not Stuff
/CAP/X
SC25
0.1UF/16V
+5V_REF
+2.5V
SR17
0Ohm
+2.5V_SB
T202
Do Not Stuff
+5VSB_REF
SC15
0.1UF/16V
SC16
0.1UF/16V
U2E
V5REF1
V5REF2
Vcc2_5_1
Vcc2_5_2
V5REF_Sus
+1.5V
SL1
+1.5V_DMIPLL
SC22
120Ohm/100Mhz
Do Not Stuff
/CAP/X
SC23
0.01UF/16V
VccDMIPLL
VccSATAPLL
VccUSBPLL
SC50
0.1UF/16V
SC38
0.1UF/16V
+1.5V_SPCIE
SL2
70Ohm/100Mhz
630 mA
SC32
Do Not Stuff
/CAP/X
SC33
0.1UF/16V
SC34
0.1UF/16V
+VCCP
SD4
Do Not Stuff
/X
SR31
Do Not Stuff
r0603_h24
/X
SC40
Do Not Stuff
/CAP/X
SC41
0.1UF/16V
SATA
SC48
Do Not Stuff
/CAP/X
SC12
0.1UF/16V
SC28
0.1UF/16V
Vcc1_5_B_1
Vcc1_5_B_2
Vcc1_5_B_3
Vcc1_5_B_4
Vcc1_5_B_5
Vcc1_5_B_6
Vcc1_5_B_7
Vcc1_5_B_8
Vcc1_5_B_9
Vcc1_5_B_10
Vcc1_5_B_11
Vcc1_5_B_12
Vcc1_5_B_13
Vcc1_5_B_14
Vcc1_5_B_15
Vcc1_5_B_16
Vcc1_5_B_17
Vcc1_5_B_18
Vcc1_5_B_19
Vcc1_5_B_20
Vcc1_5_B_21
Vcc1_5_B_22
Vcc1_5_B_23
Vcc1_5_B_24
Vcc1_5_B_25
Vcc1_5_B_26
Vcc1_5_B_27
Vcc1_5_B_28
Vcc1_5_B_29
Vcc1_5_B_30
Vcc1_5_B_31
Vcc1_5_B_32
Vcc1_5_B_33
Vcc1_5_B_34
Vcc1_5_B_35
Vcc1_5_B_36
Vcc1_5_B_37
Vcc1_5_B_38
Vcc1_5_B_39
Vcc1_5_B_40
Vcc1_5_B_41
Vcc1_5_B_42
Vcc1_5_B_43
Vcc1_5_B_44
Vcc1_5_B_45
Vcc1_5_A_1
Vcc1_5_A_2
Vcc1_5_A_3
Vcc1_5_A_4
Vcc1_5_A_5
Vcc1_5_A_6
Vcc1_5_A_7
Vcc1_5_A_8
Vcc1_5_A_9
Vcc1_5_A_10
Vcc1_5_A_11
Vcc1_5_A_12
Vcc1_5_A_13
Vcc1_5_A_14
Vcc1_5_A_15
Vcc1_5_A_16
Vcc1_5_A_17
Vcc1_5_A_18
Vcc1_5_A_19
Vcc1_5_A_20
NH82801FBM
Vcc1_5_A_21
Vcc1_5_A_22
Vcc1_5_A_23
Vcc1_5_A_24
Vcc1_5_A_25
Vcc1_5_A_26
Vcc1_5_A_27
Vcc1_5_A_28
Vcc1_5_A_29
Vcc1_5_A_30
Vcc1_5_A_31
Vcc1_5_A_32
Vcc1_5_A_33
Vcc1_5_A_34
Vcc1_5_A_35
Vcc1_5_A_36
Vcc1_5_A_37
Vcc1_5_A_38
Vcc1_5_A_39
Vcc1_5_A_40
Vcc1_5_A_41
Vcc1_5_A_42
Vcc1_5_A_43
Vcc1_5_A_44
Vcc1_5_A_45
Vcc1_5_A_46
Vcc1_5_A_47
Vcc1_5_A_48
Vcc1_5_A_49
Vcc1_5_A_50
Vcc1_5_A_51
Vcc1_5_A_52
V_CPU_IO_1
V_CPU_IO_2
V_CPU_IO_3
Vcc3_3_1
Vcc3_3_2
Vcc3_3_3
Vcc3_3_4
Vcc3_3_5
Vcc3_3_6
Vcc3_3_7
Vcc3_3_8
Vcc3_3_9
Vcc3_3_10
Vcc3_3_11
Vcc3_3_12
Vcc3_3_13
Vcc3_3_14
Vcc3_3_15
Vcc3_3_16
Vcc3_3_17
Vcc3_3_18
Vcc3_3_19
Vcc3_3_20
Vcc3_3_21
Vcc3_3_22
VccLAN3_3/VccSus3_3_1
VccLAN3_3/VccSus3_3_2
VccLAN3_3/VccSus3_3_3
VccLAN3_3/VccSus3_3_4
VccSus3_3_1
VccSus3_3_2
VccSus3_3_3
VccSus3_3_4
VccSus3_3_5
VccSus3_3_6
VccSus3_3_7
VccSus3_3_8
VccSus3_3_9
VccSus3_3_10
VccSus3_3_11
VccSus3_3_12
VccSus3_3_13
VccSus3_3_14
VccSus3_3_15
VccSus3_3_16
VccSus3_3_17
VccSus3_3_18
VccSus3_3_19
VccSus3_3_20
VccRTC
VccSus1_5_1
VccSus1_5_2
VccSus1_5_3
VccLAN1_5/VccSus1_5_1
VccLAN1_5/VccSus1_5_2
CORE
SC27
0.1UF/16V
SC13
0.1UF/16V
SC20
Do Not Stuff
/CAP/X
NC63
Do Not Stuff
/CAP/X
USB
SC19
0.1UF/16V
SC49
0.1UF/16V
SC14
Do Not Stuff
/CAP/X
1900 mA
14 mA
+VCCP
SC26
0.1UF/16V
IDE
SC35
0.1UF/16V
SC36
0.1UF/16V
SC60
0.1UF/16V
SC31
Do Not Stuff
/CAP/X
340 mA
PCI
SC29
0.1UF/16V
SC30
0.1UF/16V
SC37
0.1UF/16V
SC39
Do Not Stuff
/CAP/X
+3V_SLAN
JP5
Do Not Stuff
+3VSB
30 mA LAN
SC42
Do Not Stuff
/CAP/X
40 mA
SC44
0.1UF/16V
SC45
0.1UF/16V
SC46
0.1UF/16V
SC47
Do Not Stuff
/CAP/X
+VCC_RTC
SC51
0.1UF/16V
T203
Do Not Stuff
20 mA
+1.5VSB
SC52
0.1UF/16V
SC53
0.1UF/16V
+1.5V_SLAN
T204
Do Not Stuff
SC54
Do Not Stuff
/CAP/X
SC59
Do Not Stuff
/CAP/X
U2F
Vss1
Vss2
Vss3
Vss4
Vss5
Vss6
Vss7
Vss8
Vss9
Vss10
Vss11
Vss12
Vss13
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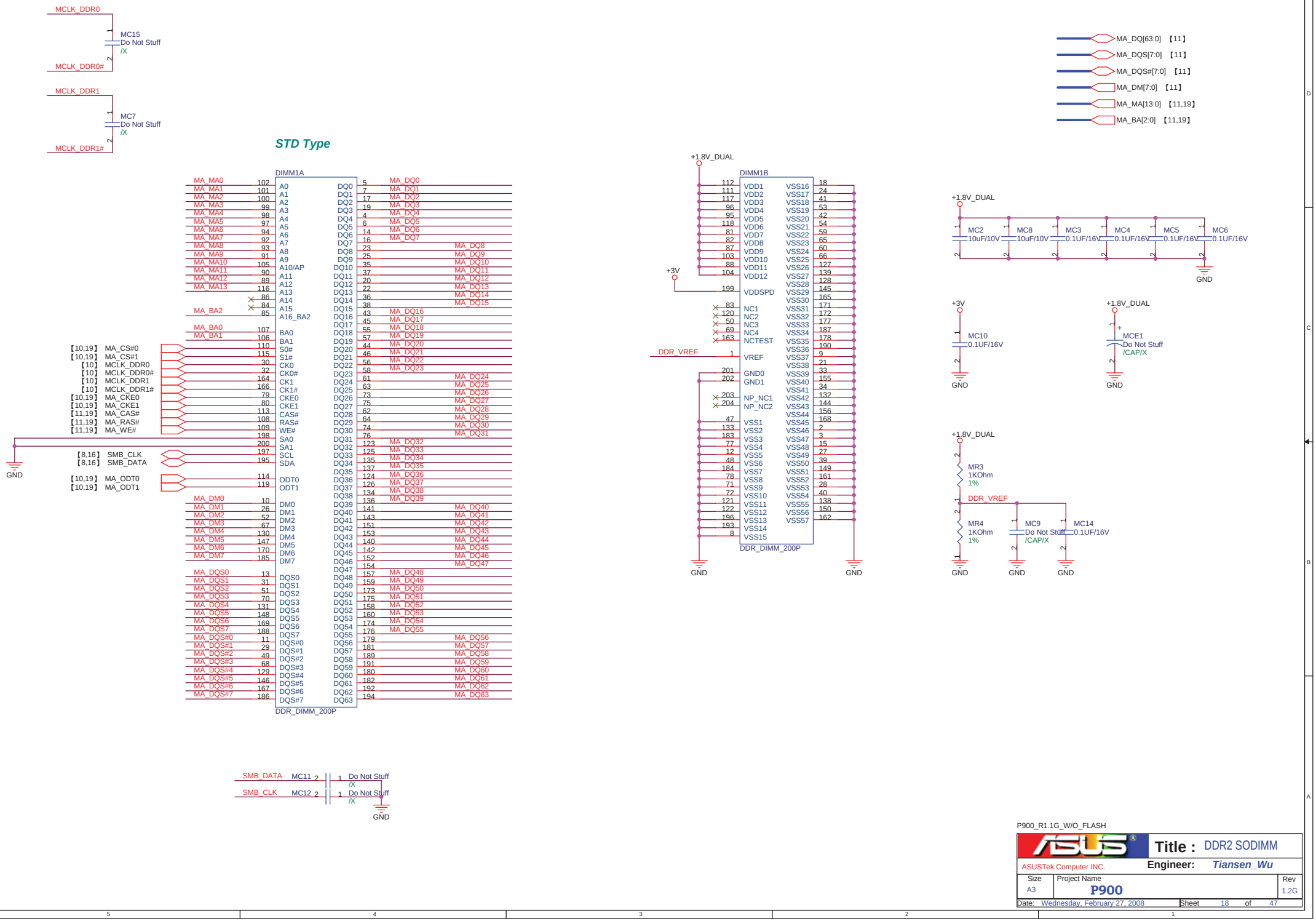
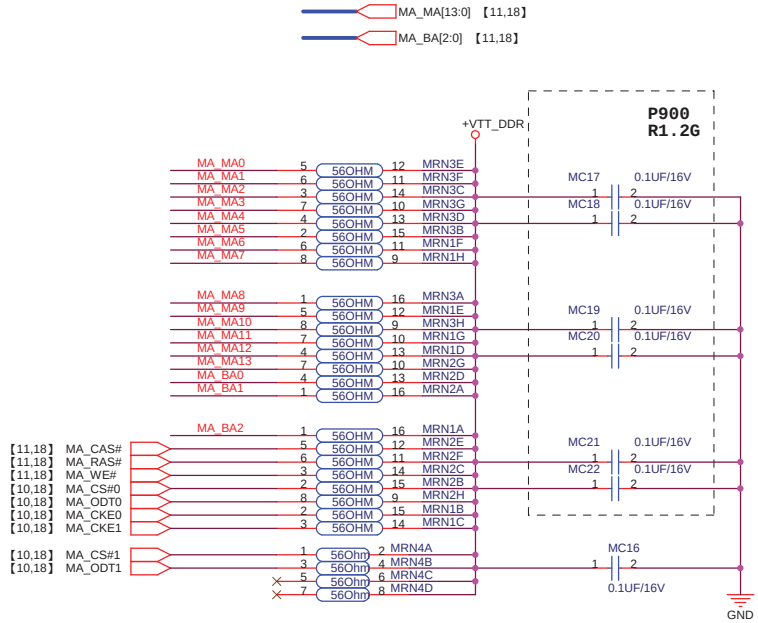
Vss156
Vss157
Vss158
Vss159
Vss160
Vss161
Vss162
Vss163
Vss164
Vss165
Vss166
Vss167
Vss168
Vss169
Vss170
Vss171
Vss172
NH82801FBM
C237
0.1UF/16V
C238
0.1UF/16V
C239
0.1UF/16V
C240
0.1UF/16V
P900
R1.0G
For IDE BUS 跨切割
P900_R1.1G_W/O_FLASH
Title : ICH6-M_PWR_GND
ASUSTek Computer INC.
Engineer: Tiansen_Wu
Size A3
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
Sheet 17 of 47



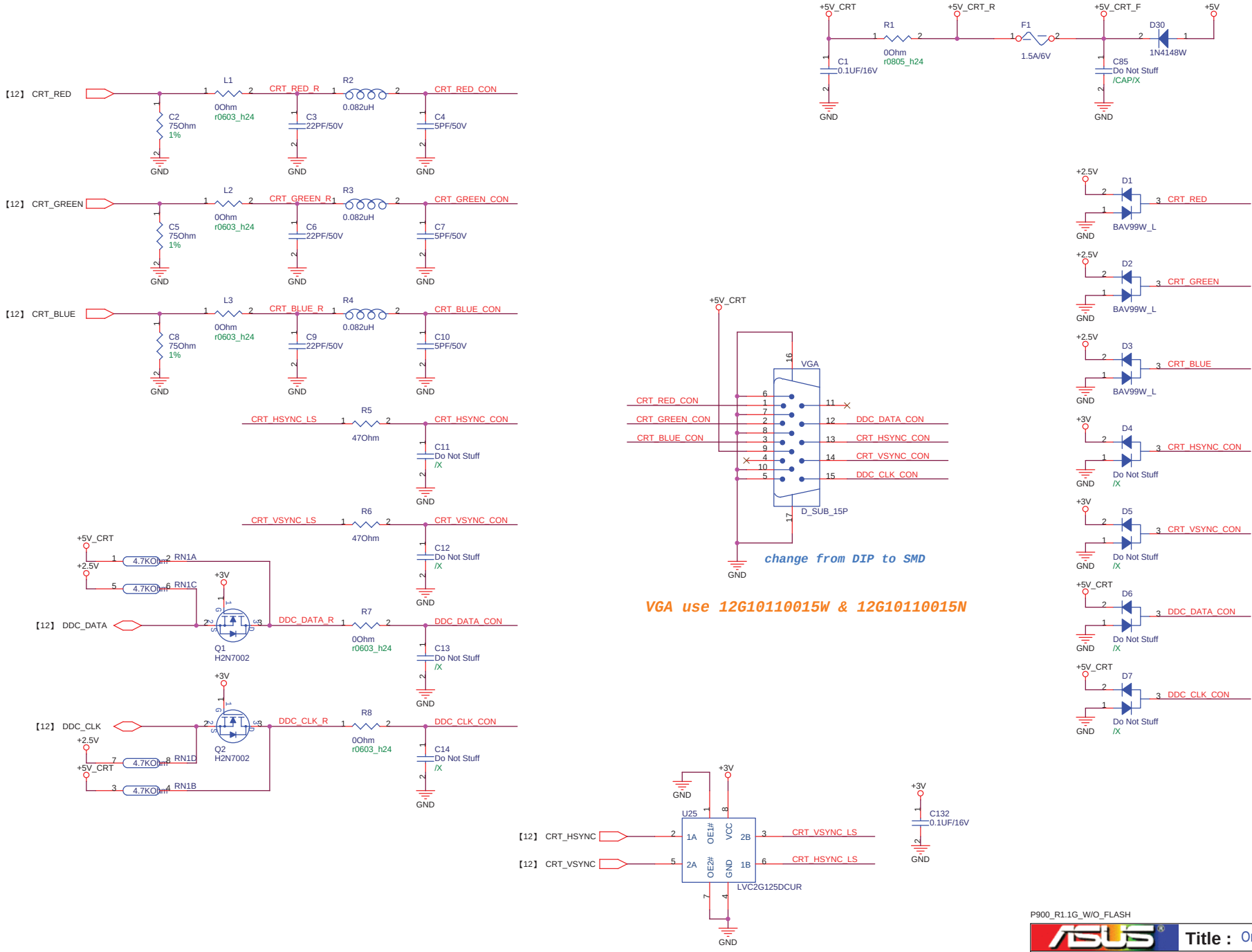
P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : DDR2 SODIMM	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 18 of 47	



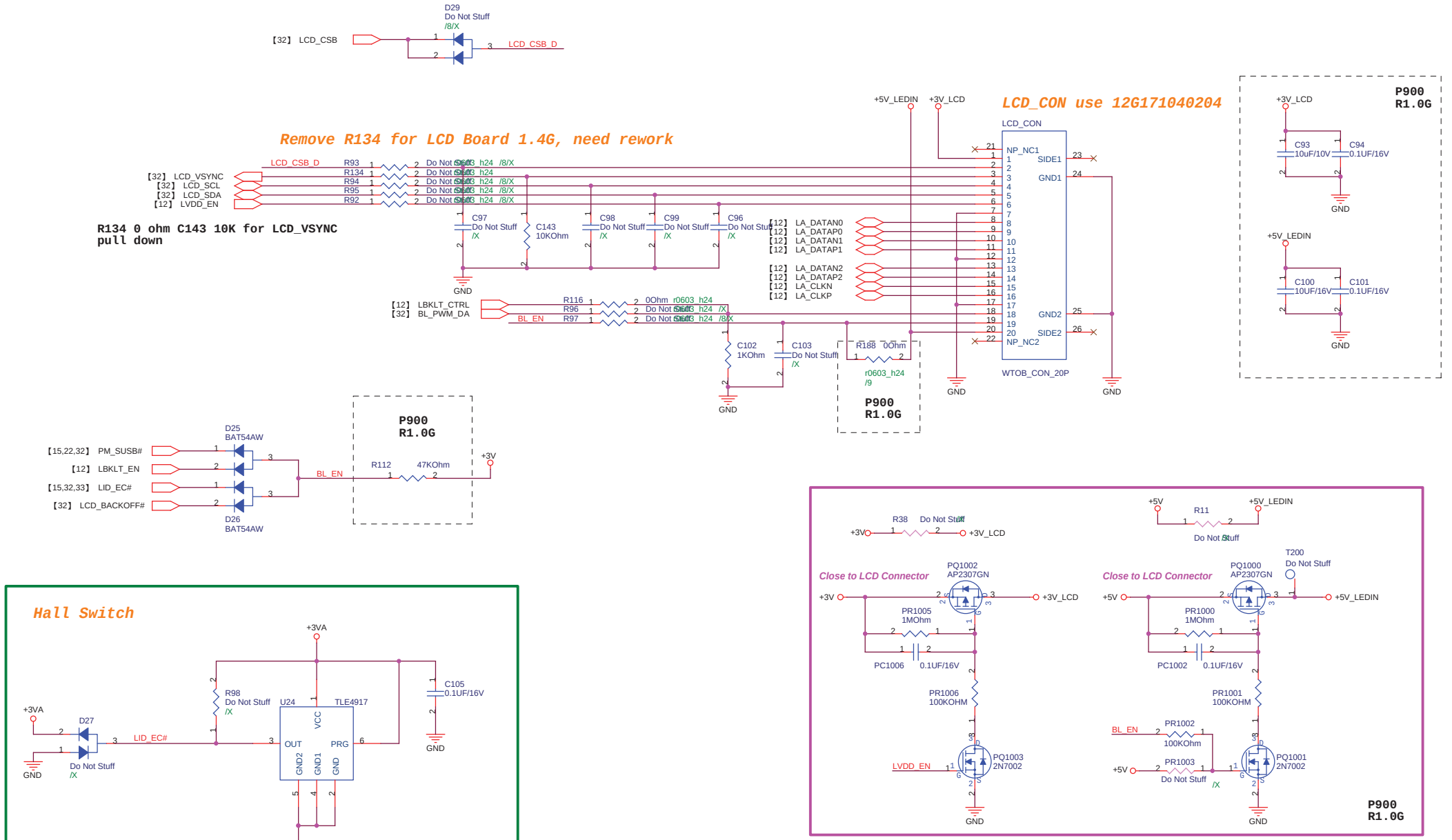
P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : DDR2_Termination	
	Engineer: *Tiansen_Wu*	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 19 of 47	



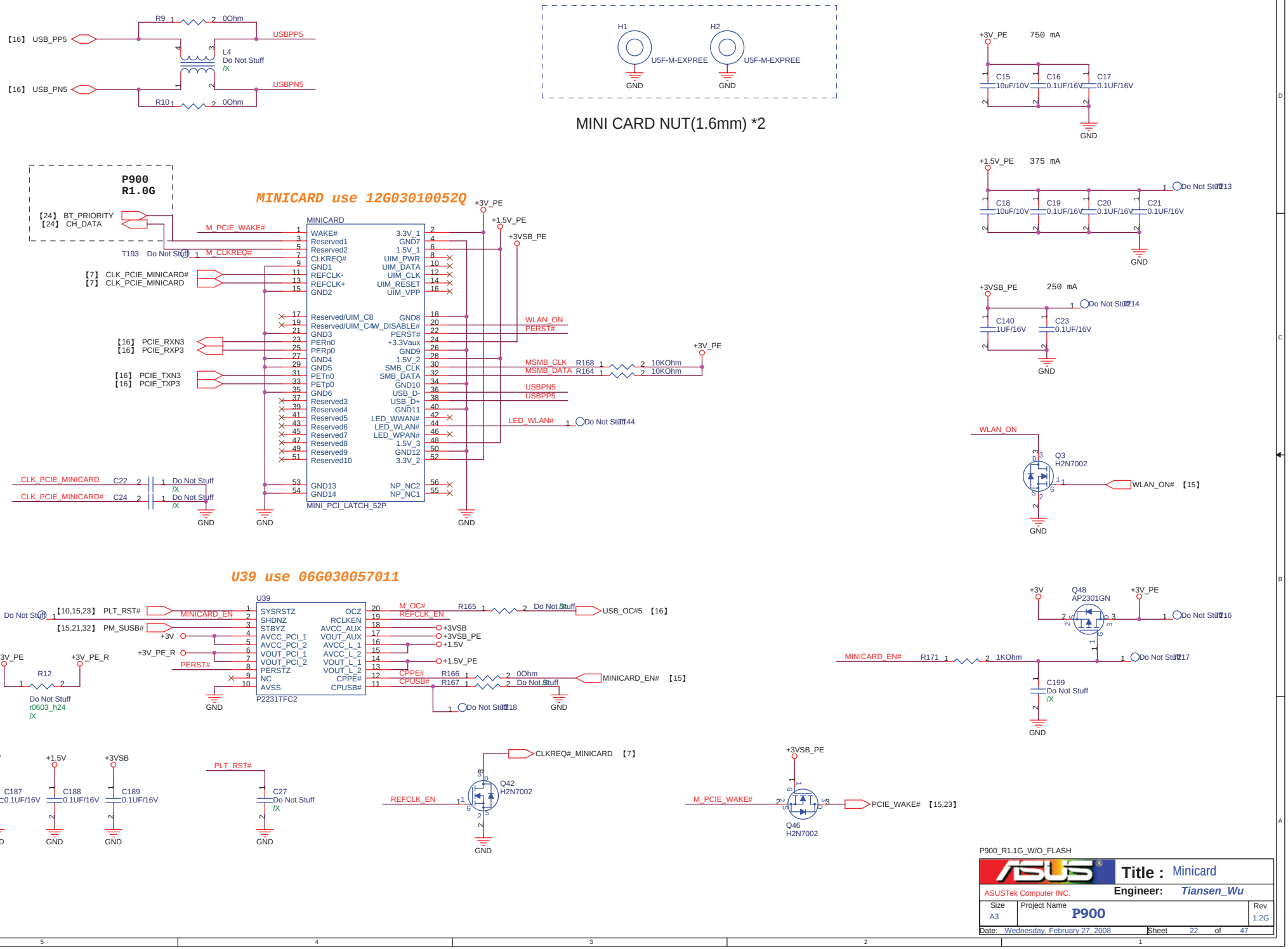
P900_R1.1G_W/O_FLASH

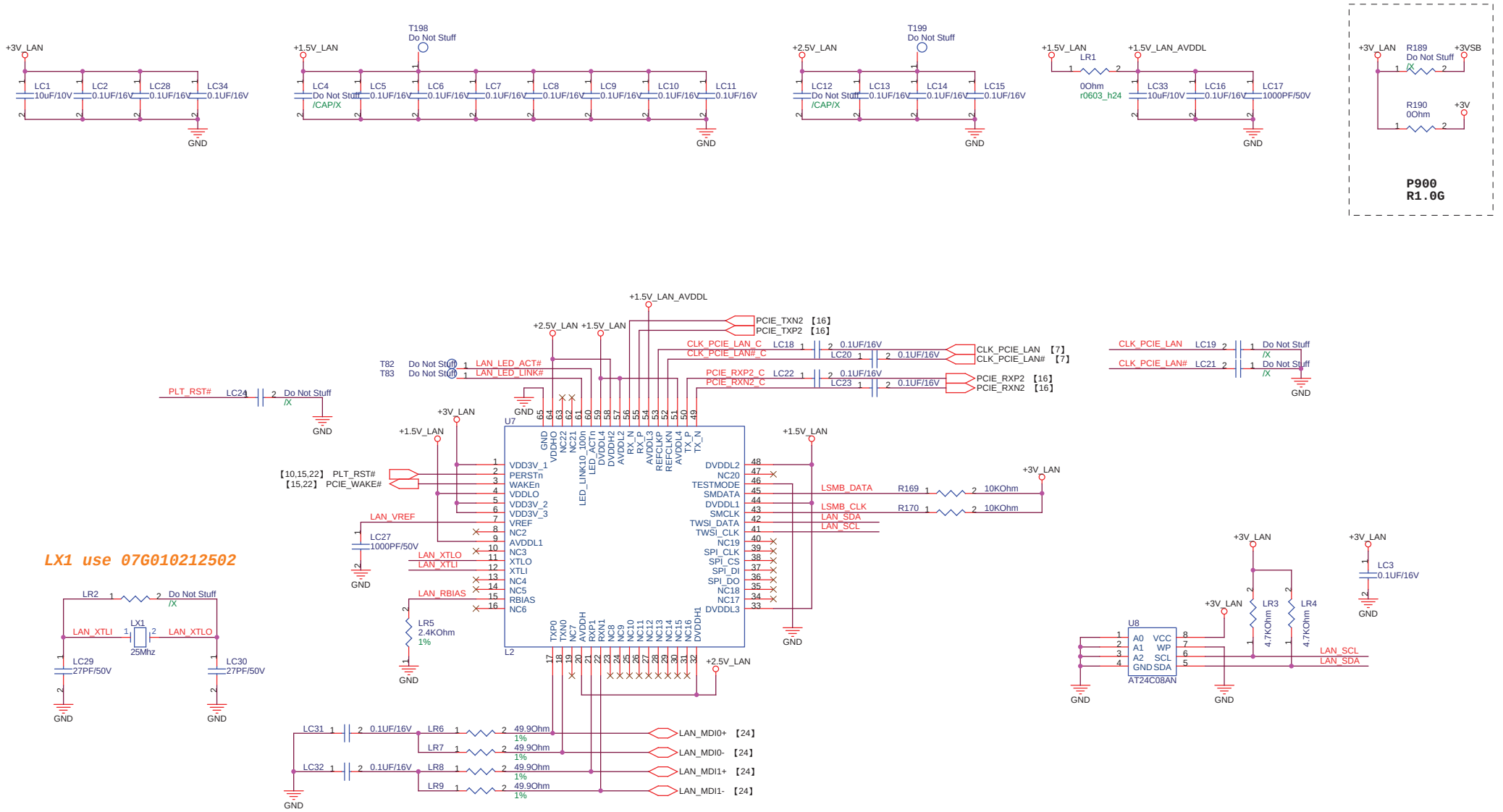
ASUSTek Computer INC.	Title : Onboard VGA	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 20 of 47	

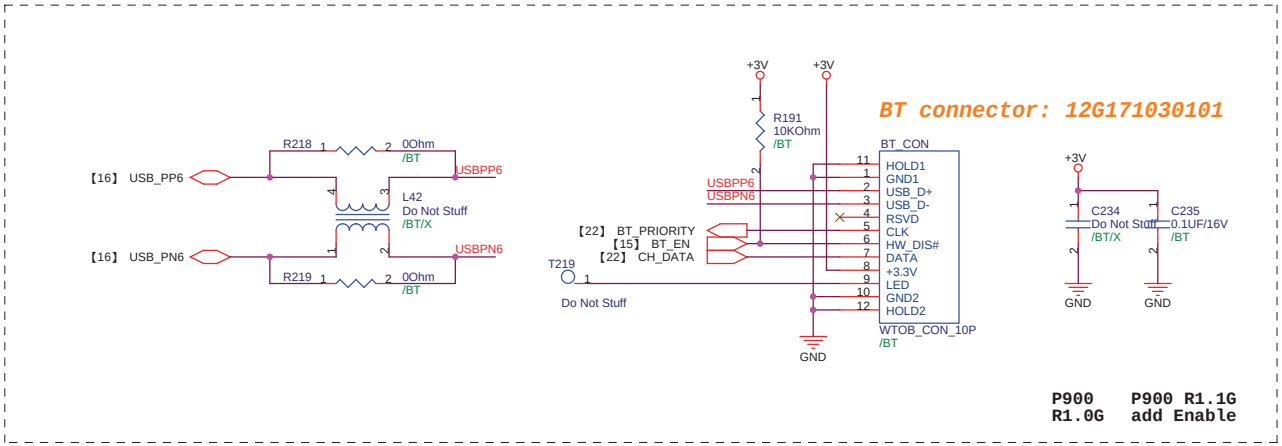


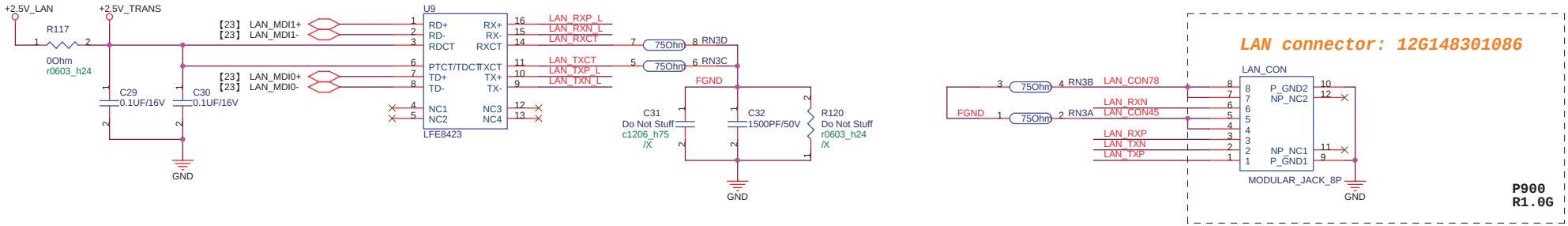
P900_R1.1G_W/O_FLASH

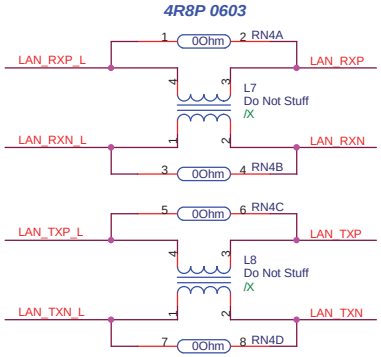
ASUSTek Computer INC.	Title : LCD Conn	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 21 of 47	


R9 1 2 0Ohm
【16】 USB_PP5
USBPP5
L4
Do Not Stuff
/X
【16】 USB_PN5
USBPN5
R10 1 2 0Ohm
H1
H2
U5F-M-EXPREE
U5F-M-EXPREE
GND
GND
MINI CARD NUT(1.6mm) *2
+3V_PE 750 mA
C15 10uF/10V
C16 0.1UF/16V
C17 0.1UF/16V
GND
+1.5V_PE 375 mA
C18 10uF/10V
C19 0.1UF/16V
C20 0.1UF/16V
C21 0.1UF/16V
Do Not Stuff
GND
+3VSB_PE 250 mA
C140 1UF/16V
C23 0.1UF/16V
Do Not Stuff
GND
P900
R1.0G
【24】 BT_PRIORITY
【24】 CH_DATA
MINICARD use 12G030100052Q
MINICARD
M_PCIE_WAKE#
T193 Do Not Stuff
M_CLKREQ#
【7】 CLK_PCIE_MINICARD#
【7】 CLK_PCIE_MINICARD
【16】 PCIE_RXN3
【16】 PCIE_RXP3
【16】 PCIE_TXN3
【16】 PCIE_TXP3
WAKE#
Reserved1
Reserved2
CLKREQ#
GND1
REFCLK-
REFCLK+
GND2
Reserved/UIM_C8
Reserved/UIM_C4
GND3
PERn0
PERp0
GND4
GND5
PETn0
PETp0
GND6
Reserved3
Reserved4
Reserved5
Reserved6
Reserved7
Reserved8
Reserved9
Reserved10
GND13
GND14
3.3V_1
GND7
1.5V_1
UIM_PWR
UIM_DATA
UIM_CLK
UIM_RESET
UIM_VPP
GND8
W_DISABLE#
PERST#
+3.3Vaux
GND9
1.5V_2
SMB_CLK
SMB_DATA
GND10
USB_D-
USB_D+
GND11
LED_WWAN#
LED_WLAN#
LED_WPAN#
1.5V_3
GND12
3.3V_2
NP_NC2
NP_NC1
MINI_PCI_LATCH_52P
+3V_PE
+1.5V_PE
+3VSB_PE
WLAN_ON
PERST#
MSMB_CLK R168 10KOhm
MSMB_DATA R164 10KOhm
USBPN5
USBPP5
LED_WLAN# Do Not Stuff
CLK_PCIE_MINICARD C22 Do Not Stuff /X
CLK_PCIE_MINICARD# C24 Do Not Stuff /X
GND
GND
GND
WLAN_ON
Q3
H2N7002
WLAN_ON# 【15】
GND
U39 use 06G030057011
U39
T215 Do Not Stuff
【10,15,23】 PLT_RST#
【15,21,32】 PM_SUSB#
+3V
+3V_PE_R
PERST#
MINICARD_EN
SYSRSTZ
SHDNZ
STBYZ
AVCC_PCI_1
AVCC_PCI_2
VOUT_PCI_1
VOUT_PCI_2
PERSTZ
NC
AVSS
OCZ
RCLKEN
AVCC_AUX
VOUT_AUX
AVCC_L_1
AVCC_L_2
VOUT_L_1
VOUT_L_2
CPPE#
CPUSB#
P2231TFC2
M_OC#
REFCLK_EN
R165 Do Not Stuff
USB_OC#5 【16】
+3VSB
+3VSB_PE
+1.5V
+1.5V_PE
R166 0Ohm
R167 Do Not Stuff
MINICARD_EN# 【15】
Do Not Stuff
GND
GND
+3V_PE
+3V_PE_R
R12
Do Not Stuff
r0603_h24
/X
+3V
Q48
AP2301GN
+3V_PE
Do Not Stuff
MINICARD_EN#
R171 1KOhm
Do Not Stuff
C199
Do Not Stuff
/X
GND
+3V
+1.5V
+3VSB
C187 0.1UF/16V
C188 0.1UF/16V
C189 0.1UF/16V
GND
GND
GND
PLT_RST#
C27 Do Not Stuff /X
GND
CLKREQ#_MINICARD 【7】
REFCLK_EN
Q42
H2N7002
GND
+3VSB_PE
M_PCIE_WAKE#
Q46
H2N7002
PCIE_WAKE# 【15,23】
P900_R1.1G_W/O_FLASH
Title : Minicard
ASUSTek Computer INC.
Engineer: Tiansen_Wu
Size A3
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
Sheet 22 of 47


+3V_LAN
LC1 10uF/10V
LC2 0.1UF/16V
LC28 0.1UF/16V
LC34 0.1UF/16V
GND
+1.5V_LAN
T198 Do Not Stuff
LC4 Do Not Stuff /CAP/X
LC5 0.1UF/16V
LC6 0.1UF/16V
LC7 0.1UF/16V
LC8 0.1UF/16V
LC9 0.1UF/16V
LC10 0.1UF/16V
LC11 0.1UF/16V
+2.5V_LAN
T199 Do Not Stuff
LC12 Do Not Stuff /CAP/X
LC13 0.1UF/16V
LC14 0.1UF/16V
LC15 0.1UF/16V
+1.5V_LAN_AVDDL
LR1 0Ohm r0603_h24
LC33 10uF/10V
LC16 0.1UF/16V
LC17 1000PF/50V
+3VSB
R189 Do Not Stuff /X
+3V
R190 0Ohm
P900
R1.0G
+1.5V_LAN_AVDDL
PCIE_TXN2 【16】
PCIE_TXP2 【16】
CLK_PCIE_LAN_C
CLK_PCIE_LAN#_C
LC18 0.1UF/16V
LC20 0.1UF/16V
CLK_PCIE_LAN 【7】
CLK_PCIE_LAN# 【7】
PCIE_RXP2_C
PCIE_RXN2_C
LC22 0.1UF/16V
LC23 0.1UF/16V
PCIE_RXP2 【16】
PCIE_RXN2 【16】
T82 Do Not Stuff
T83 Do Not Stuff
LAN_LED_ACT#
LAN_LED_LINK#
PLT_RST#
LC24 Do Not Stuff /X
U7
VDD3V_1
PERSTn
WAKEn
VDDLO
VDD3V_2
VDD3V_3
VREF
NC2
AVDDL1
NC3
XTLO
XTLI
NC4
NC5
RBIAS
NC6
DVDDL2
NC20
TESTMODE
SMDATA
DVDDL1
SMCLK
TWSI_DATA
TWSI_CLK
NC19
SPI_CLK
SPI_CS
SPI_DI
SPI_DO
NC18
NC17
DVDDL3
【10,15,22】 PLT_RST#
【15,22】 PCIE_WAKE#
LAN_VREF
LC27 1000PF/50V
LAN_XTLO
LAN_XTLI
LAN_RBIAS
LR5 2.4KOhm 1%
LSMB_DATA
LSMB_CLK
LAN_SDA
LAN_SCL
R169 10KOhm
R170 10KOhm
LX1 use 07G010212502
LR2 Do Not Stuff /X
LX1 25Mhz
LC29 27PF/50V
LC30 27PF/50V
LC31 0.1UF/16V
LC32 0.1UF/16V
LR6 49.9Ohm 1%
LR7 49.9Ohm 1%
LR8 49.9Ohm 1%
LR9 49.9Ohm 1%
LAN_MDI0+ 【24】
LAN_MDI0- 【24】
LAN_MDI1+ 【24】
LAN_MDI1- 【24】
CLK_PCIE_LAN LC19 Do Not Stuff /X
CLK_PCIE_LAN# LC21 Do Not Stuff /X
LC3 0.1UF/16V
LR3 4.7KOhm
LR4 4.7KOhm
U8
A0 A1 A2 GND VCC WP SCL SDA
AT24C08AN
P900_R1.1G_W/O_FLASH
Title : LAN_Atheros L2
ASUSTek Computer INC.
Engineer: Tiansen_Wu
Size A3
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
Sheet 23 of 47







P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : RJ45/BlueTooth	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 24 of 47	

P900
R1.0G

U36: USE 02G113000302

Un-used address Bus

For Toshiba

CSEL#
H: Slave
L: Master

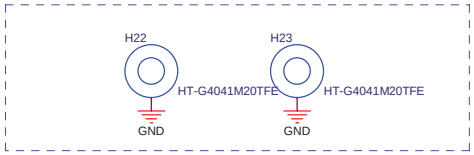
1. 1CE :R203
2. 2CE :R203,R210

Near to Flash VCC1 PIN

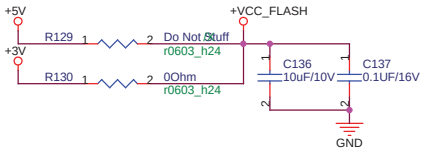
Flash

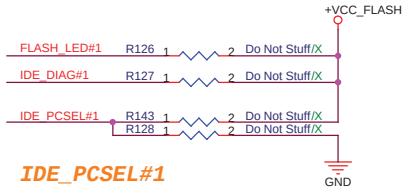
P900_R1.1G_W/O_FLASH

Title : Onboard Flash
ASUSTek Computer INC.
Engineer: Tiansen_Wu
Size: Custom | Project Name: P900 | Rev: 1.2G
Date: Wednesday, February 27, 2008 | Sheet 25 of 47



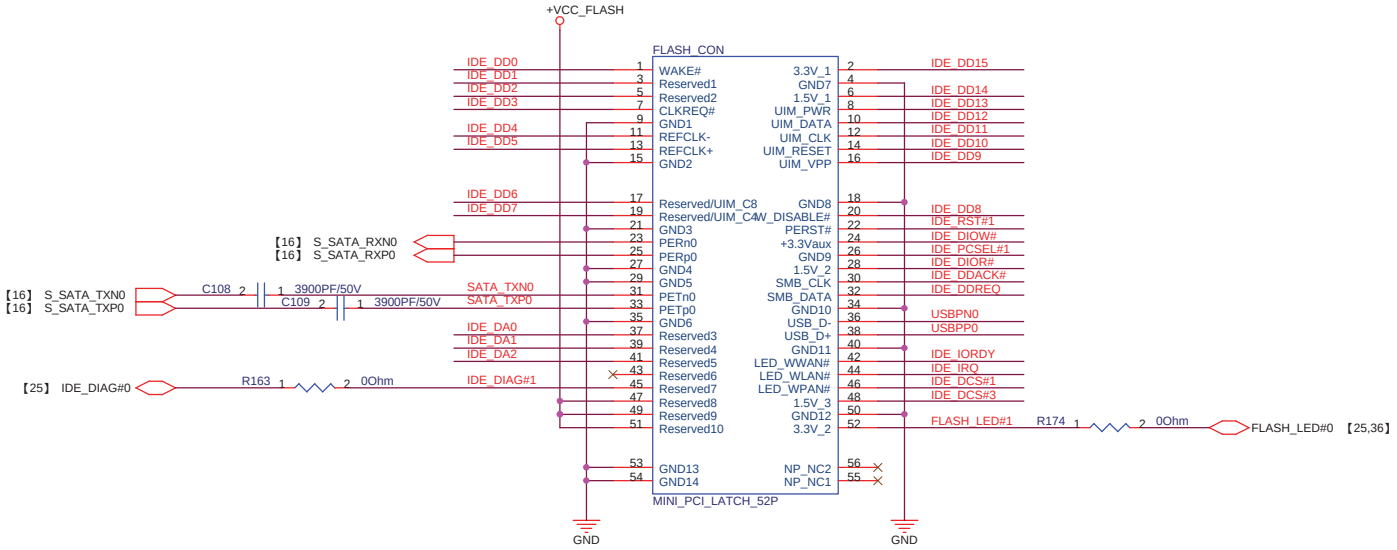
FLASH CARD NUT(3.3mm) *2

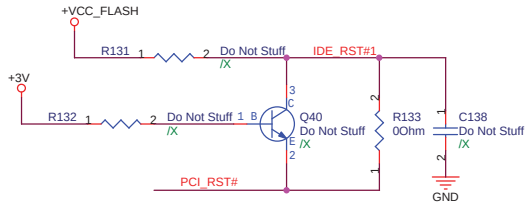


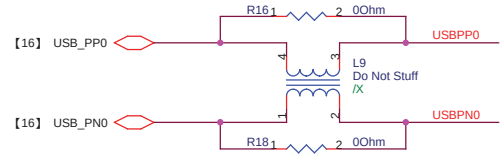


IDE_PCSEL#1
H: Slave
L: Master

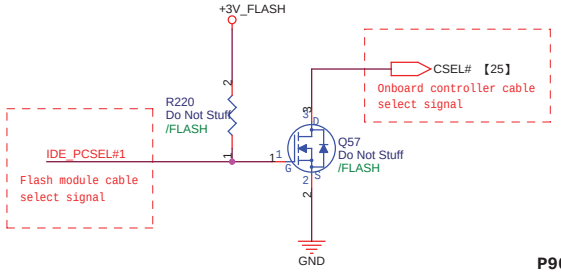
IDE_DD[15:0] 【16,25】
IDE_DA[2:0] 【16,25】
IDE_DDACK# 【16,25】
IDE_DDREQ 【16,25】
IDE_DIOR# 【16,25】
IDE_DIOW# 【16,25】
IDE_IORDY 【16,25】
IDE_DCS#1 【16,25】
IDE_DCS#3 【16,25】
IDE_IRQ 【16,25】
PCI_RST# 【15,25,32】
FLASH_LED#1 【36】







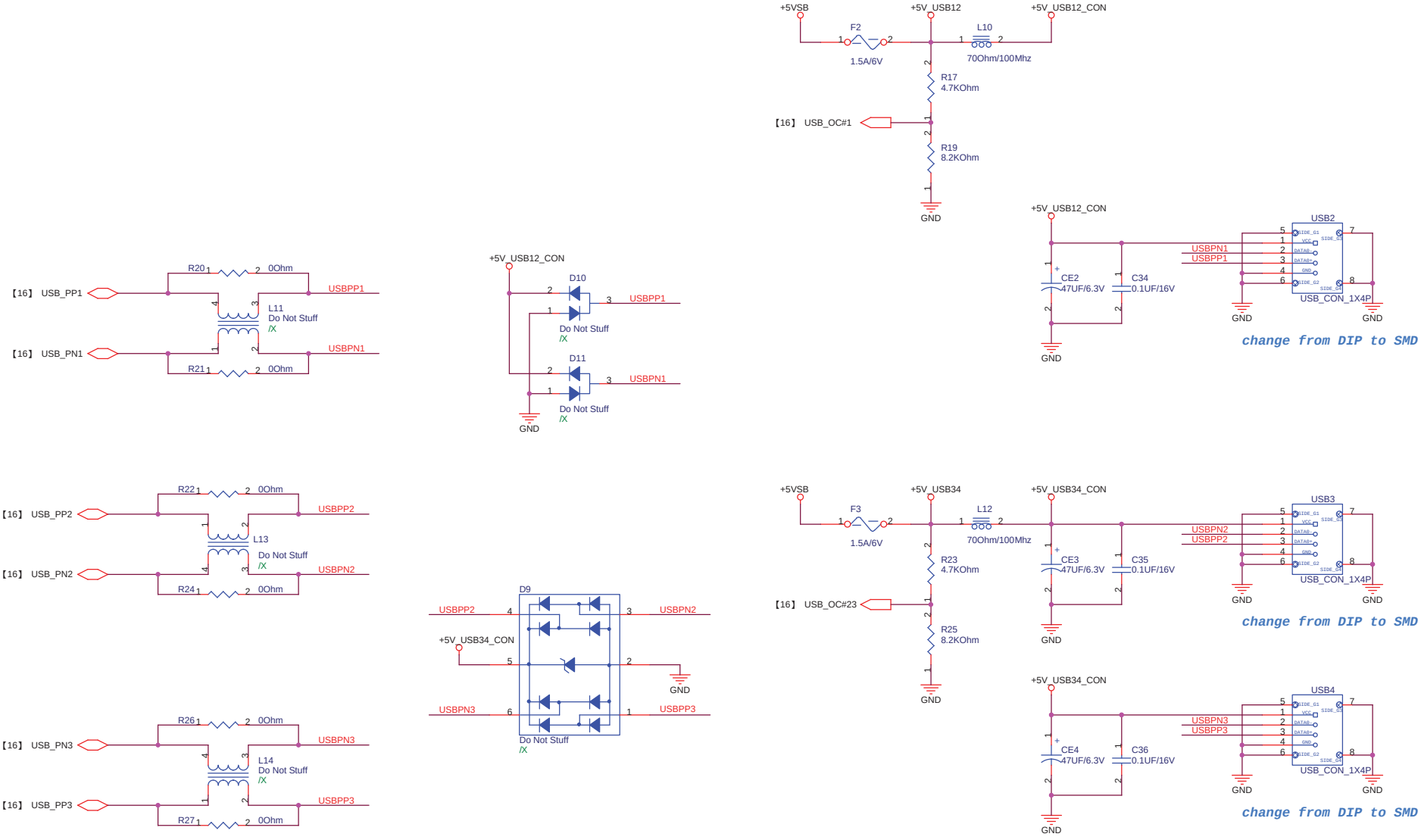
Master/Salve switch circuit



P900
R1.1G

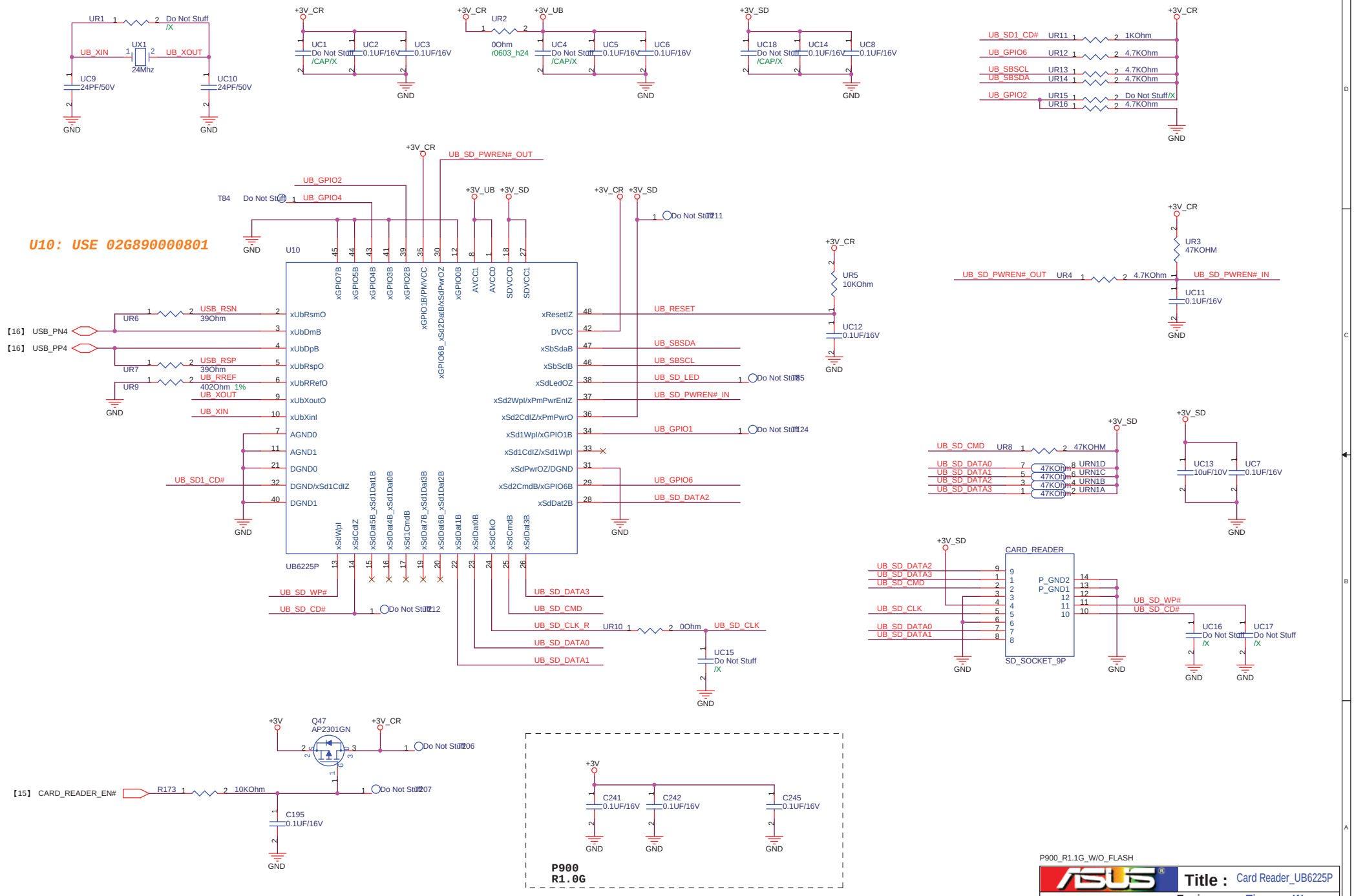
P900_R1.1G_W/O_FLASH

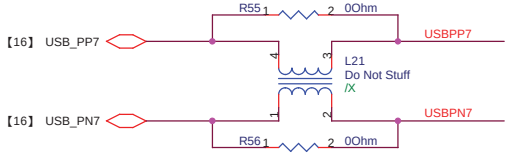
ASUSTek Computer INC.	Title : Flash Conn	
	Engineer: *Tiansen_Wu*	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 26 of 47	

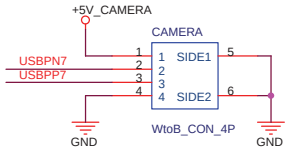


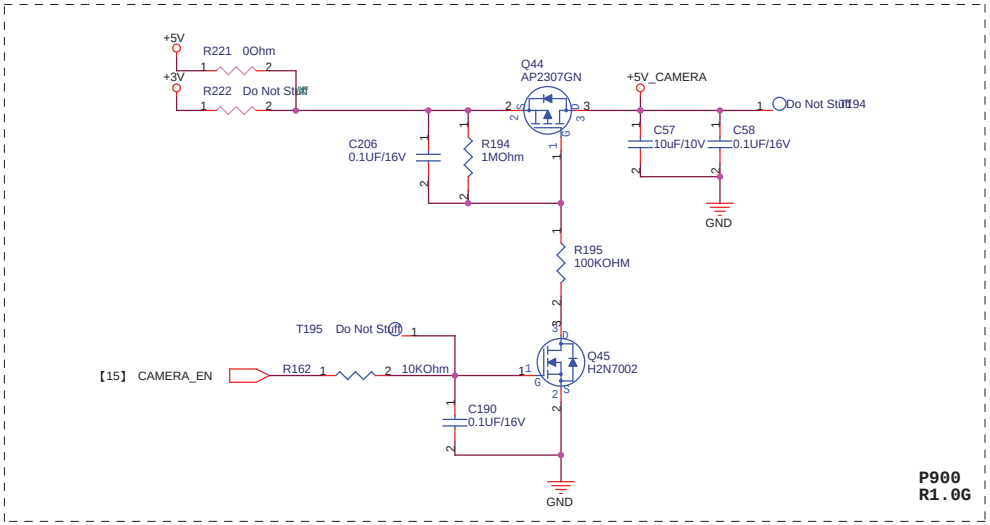
P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : USB Port	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 27 of 47	


U10: USE 02G890000801
U10
UB6225P
UR1 Do Not Stuff /X
UX1 24Mhz
UB_XIN
UB_XOUT
UC9 24PF/50V
UC10 24PF/50V
UC1 Do Not Stuff /CAP/X
UC2 0.1UF/16V
UC3 0.1UF/16V
UR2 0Ohm r0603_h24
UC4 Do Not Stuff /CAP/X
UC5 0.1UF/16V
UC6 0.1UF/16V
UC18 Do Not Stuff /CAP/X
UC14 0.1UF/16V
UC8 0.1UF/16V
UB_SD1_CD# UR11 1KOhm
UB_GPIO6 UR12 4.7KOhm
UB_SBSCL UR13 4.7KOhm
UB_SBSDA UR14 4.7KOhm
UB_GPIO2 UR15 Do Not Stuff/X
UR16 4.7KOhm
UB_SD_PWREN#_OUT
UB_GPIO2
UB_GPIO4
T84 Do Not Stuff
UR6 USB_RSN 39Ohm
UR7 USB_RSP 39Ohm
UR9 UB_RREF 402Ohm 1%
UB_XOUT
UB_XIN
【16】 USB_PN4
【16】 USB_PP4
UB_SD1_CD#
UB_RESET
UB_SBSDA
UB_SBSCL
UB_SD_LED
UB_SD_PWREN#_IN
UB_GPIO1
UB_GPIO6
UB_SD_DATA2
UR5 10KOhm
UC12 0.1UF/16V
UR3 47KOHM
UR4 4.7KOhm
UC11 0.1UF/16V
UB_SD_CMD UR8 47KOHM
UB_SD_DATA0
UB_SD_DATA1
UB_SD_DATA2
UB_SD_DATA3
UC13 10uF/10V
UC7 0.1UF/16V
CARD_READER
SD_SOCKET_9P
UB_SD_CLK
UB_SD_WP#
UB_SD_CD#
UC16 Do Not Stuff /X
UC17 Do Not Stuff /X
UB_SD_CLK_R
UR10 0Ohm
UC15 Do Not Stuff /X
Q47 AP2301GN
【15】 CARD_READER_EN#
R173 10KOhm
C195 0.1UF/16V
C241 0.1UF/16V
C242 0.1UF/16V
C245 0.1UF/16V
P900 R1.0G
P900_R1.1G_W/O_FLASH
Title : Card Reader_UB6225P
ASUSTek Computer INC.
Engineer: Tiansen_Wu
Size A3
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
Sheet 28 of 47

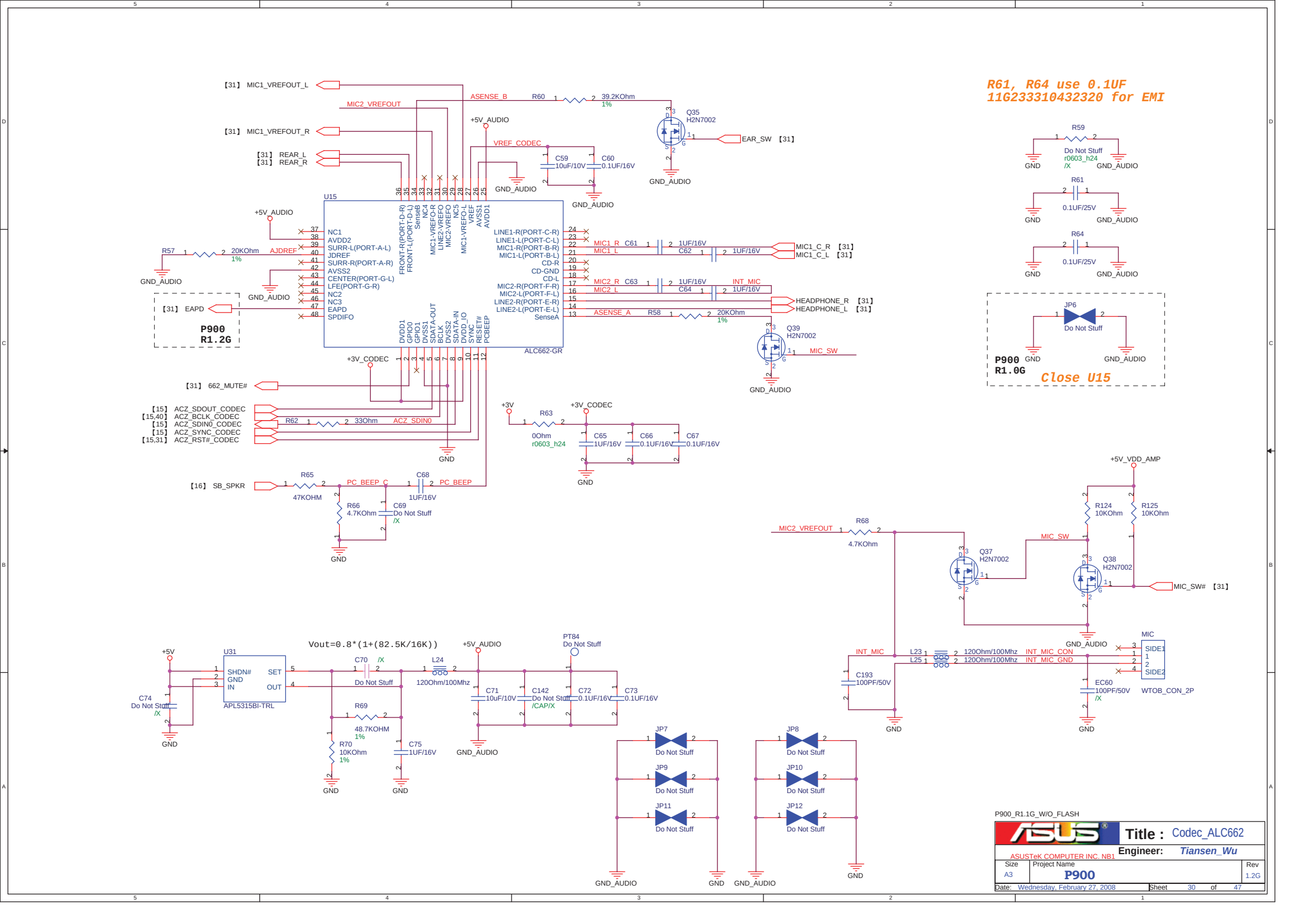


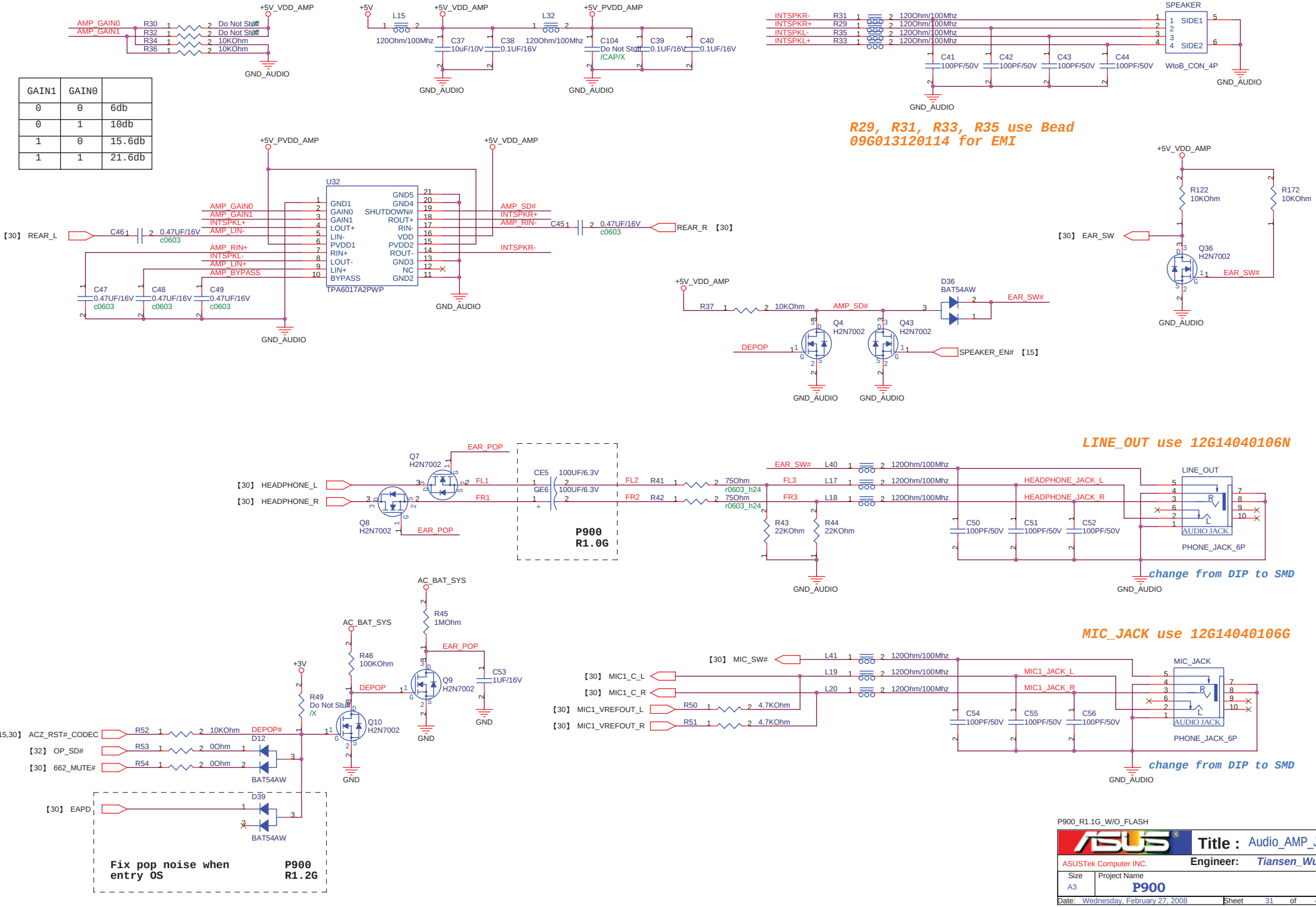




P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : Camera Conn	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 29 of 47	


R61, R64 use 0.1UF
11G2333310432320 for EMI
U15
ALC662-GR
Q35 H2N7002
Q39 H2N7002
Q37 H2N7002
Q38 H2N7002
U31
APL5315BI-TRL
P900 R1.2G
P900 R1.0G
Close U15
Vout=0.8*(1+(82.5K/16K))
Title : Codec_ALC662
Engineer: Tiansen_Wu
ASUSTeK COMPUTER INC. NB1
P900_R1.1G_W/O_FLASH
Project Name P900
Size A3
Rev 1.2G
Date: Wednesday, February 27, 2008
Sheet 30 of 47



GAIN1	GAIN0	
0	0	6db
0	1	10db
1	0	15.6db
1	1	21.6db

P900_R1.1G_W/O_FLASH

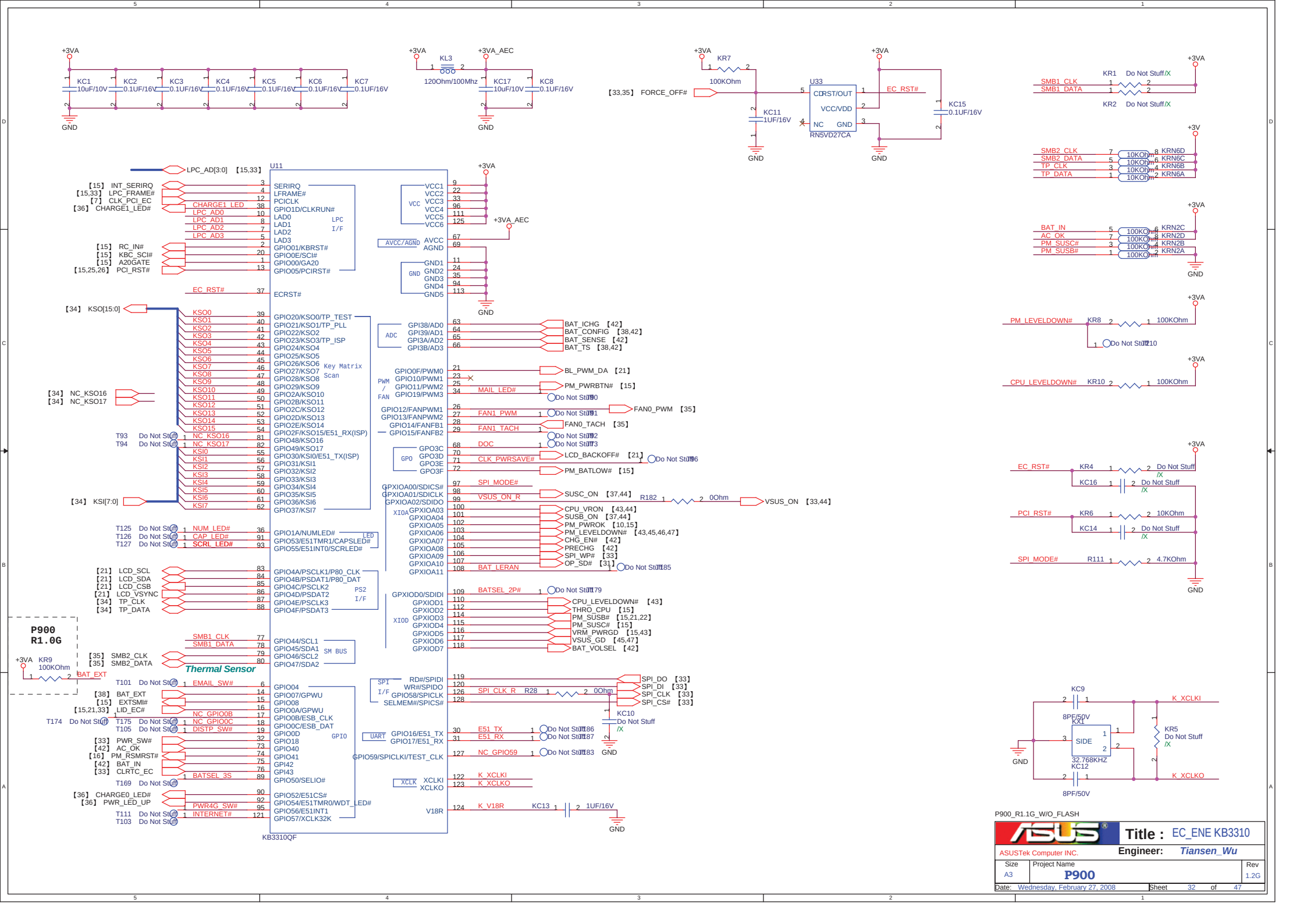
ASUSTek Computer INC.

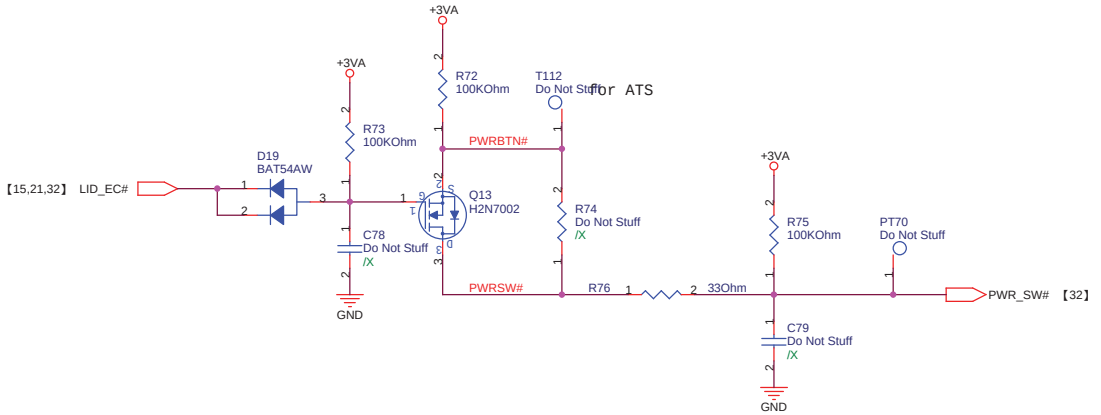
Title : Audio_AMP_Jack

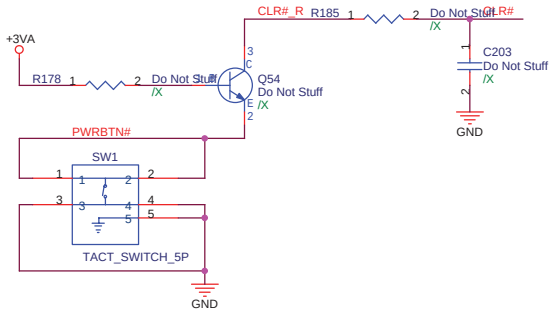
Engineer: Tiansen_Wu

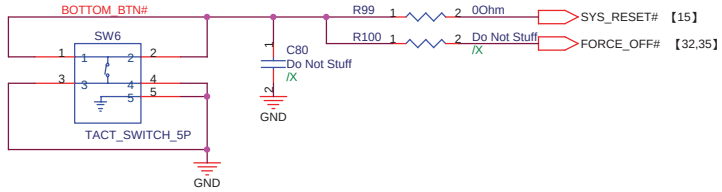
Size	Project Name	Rev
A3	P900	1.2G

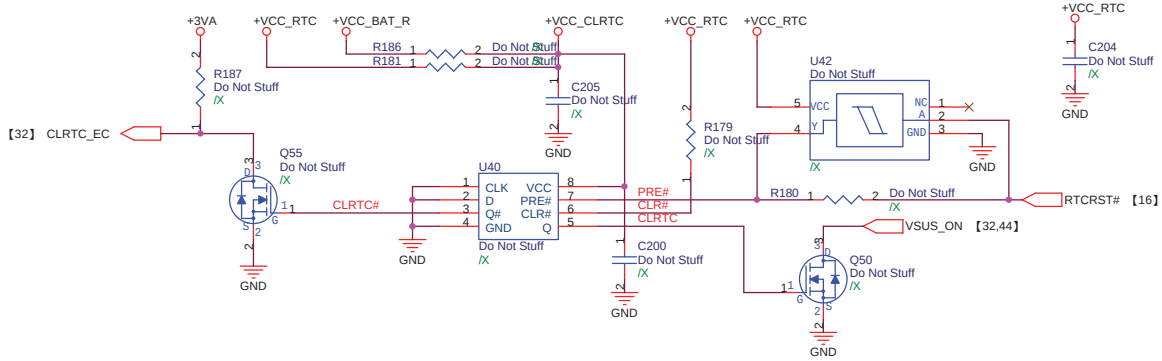
Date: Wednesday, February 27, 2008 Sheet 31 of 47

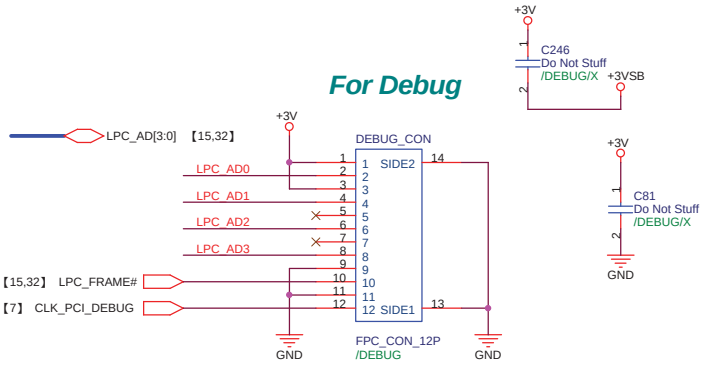

+3VA
KC1 10uF/10V
KC2 0.1UF/16V
KC3 0.1UF/16V
KC4 0.1UF/16V
KC5 0.1UF/16V
KC6 0.1UF/16V
KC7 0.1UF/16V
GND
KL3
120Ohm/100Mhz
+3VA_AEC
KC17 10uF/10V
KC8 0.1UF/16V
KR7
100KOhm
【33,35】 FORCE_OFF#
KC11 1UF/16V
U33
CRST/OUT
VCC/VDD
NC GND
RN5VD27CA
EC_RST#
KC15 0.1UF/16V
KR1 Do Not Stuff/X
SMB1_CLK
SMB1_DATA
KR2 Do Not Stuff/X
SMB2_CLK
SMB2_DATA
TP_CLK
TP_DATA
10KOhm
KRN6D
KRN6C
KRN6B
KRN6A
BAT_IN
AC_OK
PM_SUSC#
PM_SUSB#
100KOhm
KRN2C
KRN2D
KRN2B
KRN2A
PM_LEVELDOWN#
KR8
Do Not Stuff
CPU_LEVELDOWN#
KR10
EC_RST#
KR4
KC16
PCI_RST#
KR6
KC14
SPI_MODE#
R111 4.7KOhm
KC9
8PF/50V
KX1
SIDE
32.768KHZ
KC12
KR5
K_XCLKI
K_XCLKO
U11
LPC_AD[3:0] 【15,33】
【15】 INT_SERIRQ
【15,33】 LPC_FRAME#
【7】 CLK_PCI_EC
【36】 CHARGE1_LED#
CHARGE1_LED
LPC_AD0
LPC_AD1
LPC_AD2
LPC_AD3
LPC I/F
【15】 RC_IN#
【15】 KBC_SCI#
【15】 A20GATE
【15,25,26】 PCI_RST#
SERIRQ
LFRAME#
PCICLK
GPIO1D/CLKRUN#
LAD0
LAD1
LAD2
LAD3
GPIO01/KBRST#
GPIO0E/SCI#
GPIO00/GA20
GPIO05/PCIRST#
EC_RST#
ECRST#
VCC1
VCC2
VCC3
VCC4
VCC5
VCC6
VCC
AVCC/AGND
AVCC
AGND
GND1
GND2
GND3
GND4
GND5
【34】 KSO[15:0]
KSO0
KSO1
KSO2
KSO3
KSO4
KSO5
KSO6
KSO7
KSO8
KSO9
KSO10
KSO11
KSO12
KSO13
KSO14
KSO15
Key Matrix Scan
GPIO20/KSO0/TP_TEST
GPIO21/KSO1/TP_PLL
GPIO22/KSO2
GPIO23/KSO3/TP_ISP
GPIO24/KSO4
GPIO25/KSO5
GPIO26/KSO6
GPIO27/KSO7
GPIO28/KSO8
GPIO29/KSO9
GPIO2A/KSO10
GPIO2B/KSO11
GPIO2C/KSO12
GPIO2D/KSO13
GPIO2E/KSO14
GPIO2F/KSO15/E51_RX(ISP)
【34】 NC_KSO16
【34】 NC_KSO17
T93 Do Not Stuff
T94 Do Not Stuff
NC_KSO16
NC_KSO17
GPIO48/KSO16
GPIO49/KSO17
GPIO30/KSI0/E51_TX(ISP)
【34】 KSI[7:0]
KSI0
KSI1
KSI2
KSI3
KSI4
KSI5
KSI6
KSI7
GPIO31/KSI1
GPIO32/KSI2
GPIO33/KSI3
GPIO34/KSI4
GPIO35/KSI5
GPIO36/KSI6
GPIO37/KSI7
T125 Do Not Stuff
T126 Do Not Stuff
T127 Do Not Stuff
NUM_LED#
CAP_LED#
SCRL_LED#
GPIO1A/NUMLED#
GPIO53/E51TMR1/CAPSLED#
GPIO55/E51INT0/SCRLED#
LED
【21】 LCD_SCL
【21】 LCD_SDA
【21】 LCD_CSB
【21】 LCD_VSYNC
【34】 TP_CLK
【34】 TP_DATA
GPIO4A/PSCLK1/P80_CLK
GPIO4B/PSDAT1/P80_DAT
GPIO4C/PSCLK2
GPIO4D/PSDAT2
GPIO4E/PSCLK3
GPIO4F/PSDAT3
PS2 I/F
P900 R1.0G
+3VA KR9 100KOhm
BAT_EXT
【35】 SMB2_CLK
【35】 SMB2_DATA
Thermal Sensor
SMB1_CLK
SMB1_DATA
GPIO44/SCL1
GPIO45/SDA1
GPIO46/SCL2
GPIO47/SDA2
SM BUS
T101 Do Not Stuff
EMAIL_SW#
【38】 BAT_EXT
【15】 EXTSMI#
【15,21,33】 LID_EC#
NC_GPIO0B
T174 Do Not Stuff
T175 Do Not Stuff
T105 Do Not Stuff
NC_GPIO0C
DISTP_SW#
【33】 PWR_SW#
【42】 AC_OK
【16】 PM_RSMRST#
【42】 BAT_IN
【33】 CLRTC_EC
BATSEL_3S
T169 Do Not Stuff
GPIO04
GPIO07/GPWU
GPIO08
GPIO0A/GPWU
GPIO0B/ESB_CLK
GPIO0C/ESB_DAT
GPIO0D
GPIO18
GPIO40
GPIO41
GPI42
GPI43
GPIO50/SELIO#
GPIO59/SPICLKI/TEST_CLK
GPIO
【36】 CHARGE0_LED#
【36】 PWR_LED_UP
PWR4G_SW#
INTERNET#
T111 Do Not Stuff
T103 Do Not Stuff
GPIO52/E51CS#
GPIO54/E51TMR0/WDT_LED#
GPIO56/E51INT1
GPIO57/XCLK32K
KB3310QF
ADC
GPI38/AD0
GPI39/AD1
GPI3A/AD2
GPI3B/AD3
BAT_ICHG 【42】
BAT_CONFIG 【38,42】
BAT_SENSE 【42】
BAT_TS 【38,42】
PWM / FAN
GPIO0F/PWM0
GPIO10/PWM1
GPIO11/PWM2
GPIO19/PWM3
BL_PWM_DA 【21】
PM_PWRBTN# 【15】
MAIL_LED#
GPIO12/FANPWM1
GPIO13/FANPWM2
GPIO14/FANFB1
GPIO15/FANFB2
FAN1_PWM
FAN1_TACH
FAN0_PWM 【35】
FAN0_TACH 【35】
GPO
GPO3C
GPO3D
GPO3E
GPO3F
DOC
CLK_PWRSAVE#
LCD_BACKOFF# 【21】
PM_BATLOW# 【15】
GPXIOA00/SDICS#
GPXIOA01/SDICLK
GPXIOA02/SDIDO
SPI_MODE#
VSUS_ON_R
SUSC_ON 【37,44】
R182 0Ohm
VSUS_ON 【33,44】
XIOA
GPXIOA03
GPXIOA04
GPXIOA05
GPXIOA06
GPXIOA07
GPXIOA08
GPXIOA09
GPXIOA10
GPXIOA11
CPU_VRON 【43,44】
SUSB_ON 【37,44】
PM_PWROK 【10,15】
PM_LEVELDOWN# 【43,45,46,47】
CHG_EN# 【42】
PRECHG 【42】
SPI_WP# 【33】
OP_SD# 【31】
BAT_LERAN
GPXIOD0/SDIDI
GPXIOD1
GPXIOD2
GPXIOD3
GPXIOD4
GPXIOD5
GPXIOD6
GPXIOD7
XIOD
BATSEL_2P#
CPU_LEVELDOWN# 【43】
THRO_CPU 【15】
PM_SUSB# 【15,21,22】
PM_SUSC# 【15】
VRM_PWRGD 【15,43】
VSUS_GD 【45,47】
BAT_VOLSEL 【42】
SPI I/F
RD#/SPIDI
WR#/SPIDO
GPIO58/SPICLK
SELMEM#/SPICS#
SPI_CLK_R R28 0Ohm
SPI_DO 【33】
SPI_DI 【33】
SPI_CLK 【33】
SPI_CS# 【33】
KC10 Do Not Stuff /X
UART
GPIO16/E51_TX
GPIO17/E51_RX
E51_TX
E51_RX
NC_GPIO59
XCLK
XCLKI
XCLKO
K_XCLKI
K_XCLKO
V18R
K_V18R
KC13 1UF/16V
GND
P900_R1.1G_W/O_FLASH
Title : EC_ENE KB3310
ASUSTek Computer INC.
Engineer: Tiansen_Wu
Size A3
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
Sheet 32 of 47

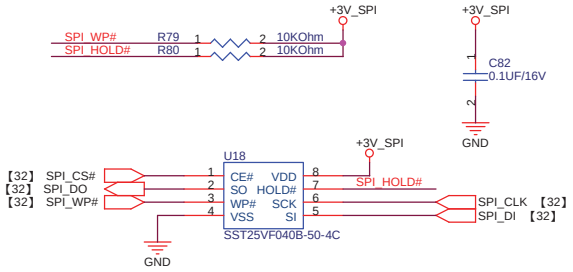


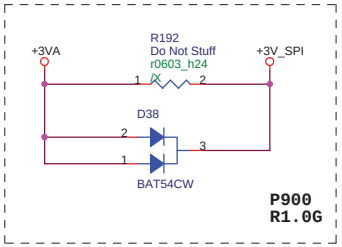












Debug Card cable use Z96 Touch Pad cable, P/N: 14G124110126, 14G124110120, 14G124110121 14G124110124, 14G124110125

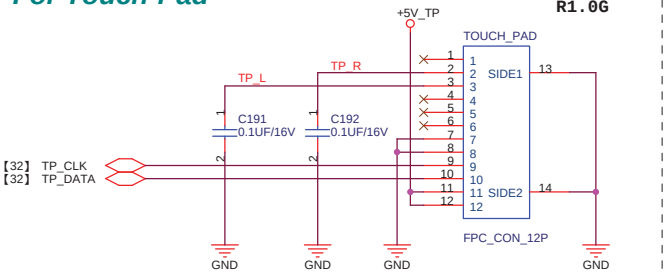
U18 use 05G001002900 & 05G00100F130

P900_R1.1G_W/O_FLASH

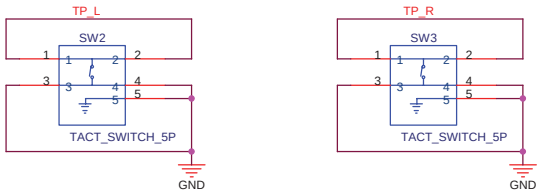
ASUSTek Computer INC.	Title : Switch_SPI ROM_Debug	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 33 of 47	

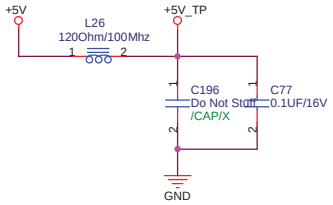
For Touch-Pad

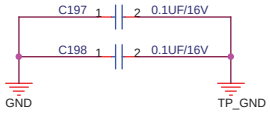
P900
R1.0G

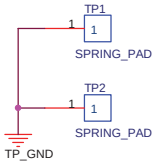


SW2, SW3 use 12G09103305N

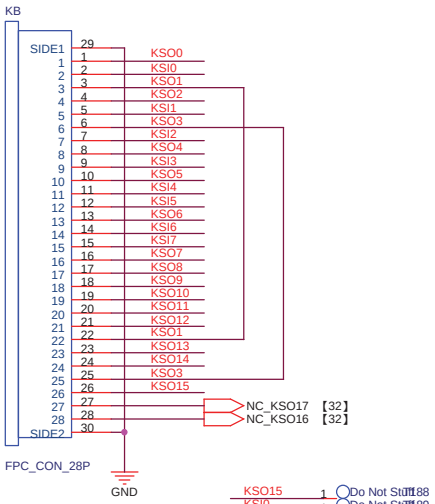


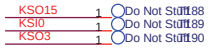


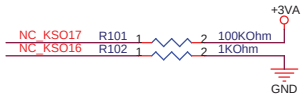


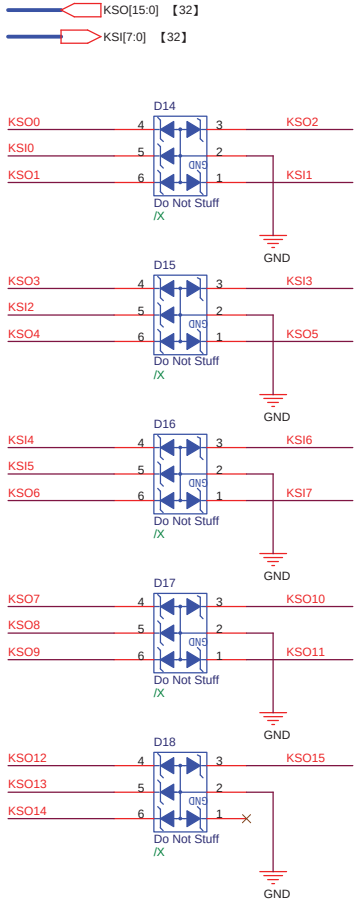


For Keyboard









P900_R1.1G_W/O_FLASH

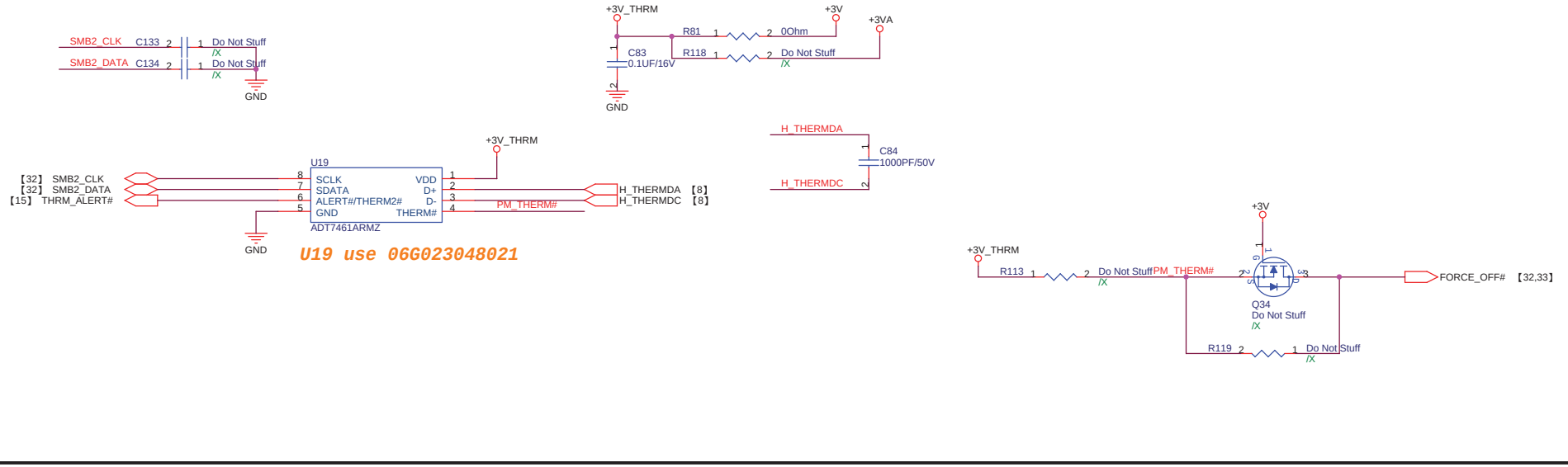
ASUSTek Computer INC.

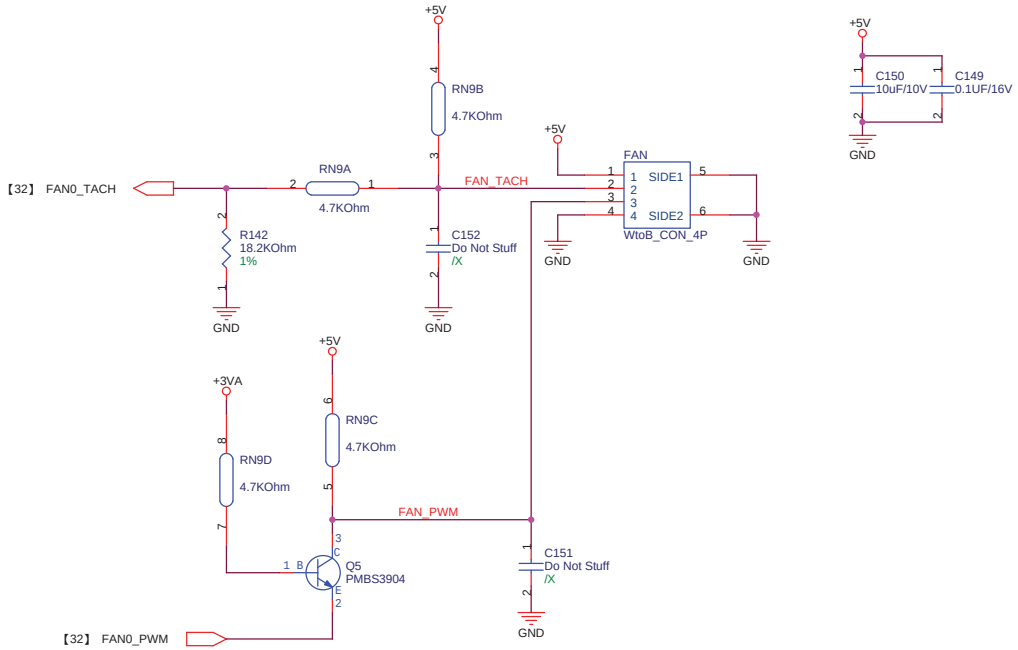
Title : KB_Touch Pad

Engineer: Tiansen_Wu

Size	Project Name	Rev
A3	P900	1.2G

Date: Wednesday, February 27, 2008 Sheet 34 of 47

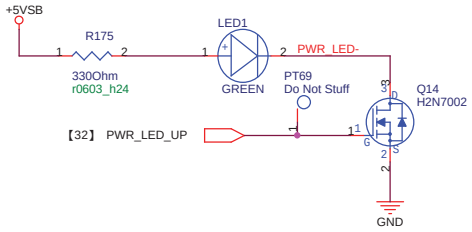




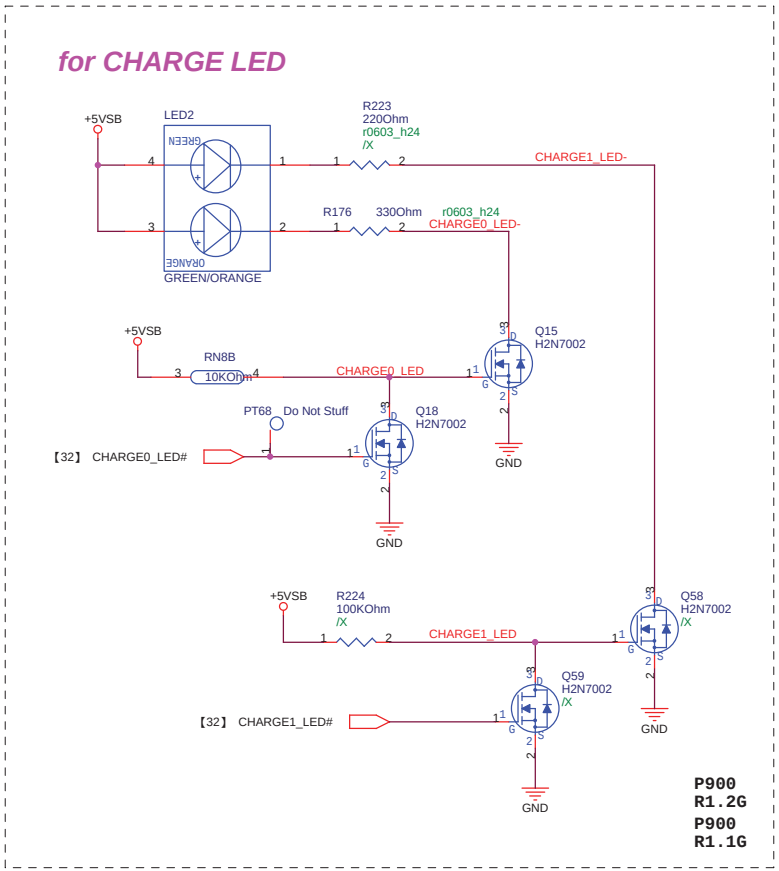
P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : Thermal Sensor_FAN	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 35 of 47	

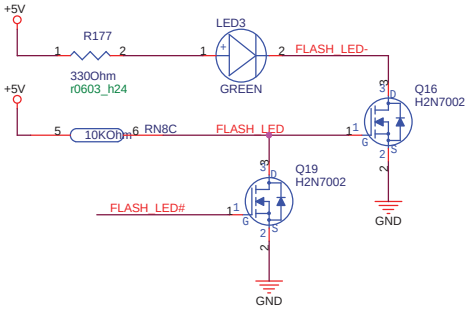
for POWER LED



for CHARGE LED

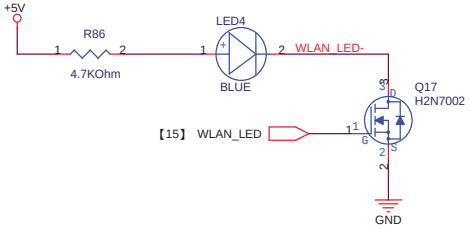


for FLASH LED

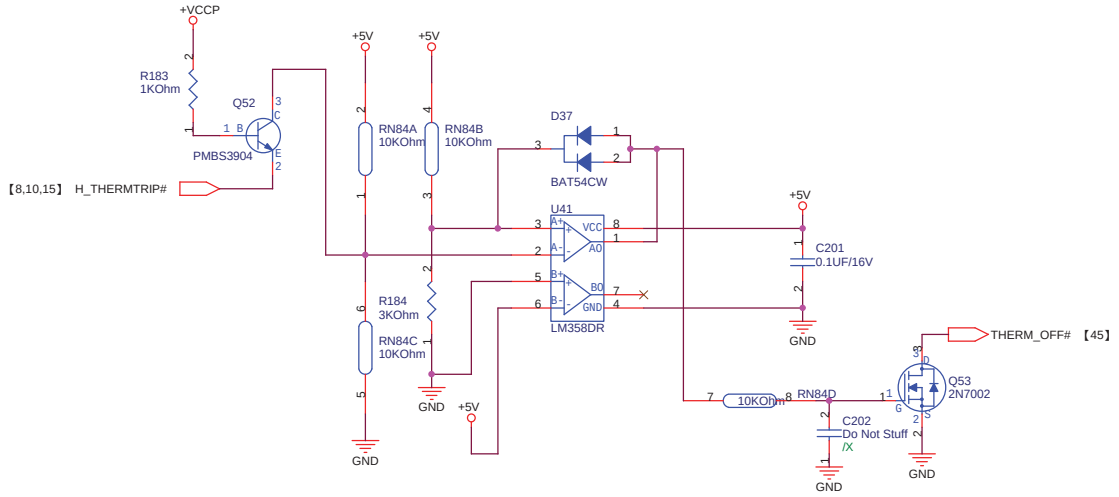


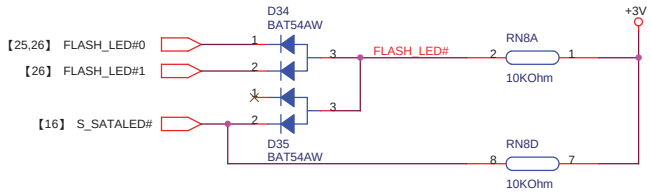
for WLAN LED

R86 use 4.7K OHm 10G213472003030



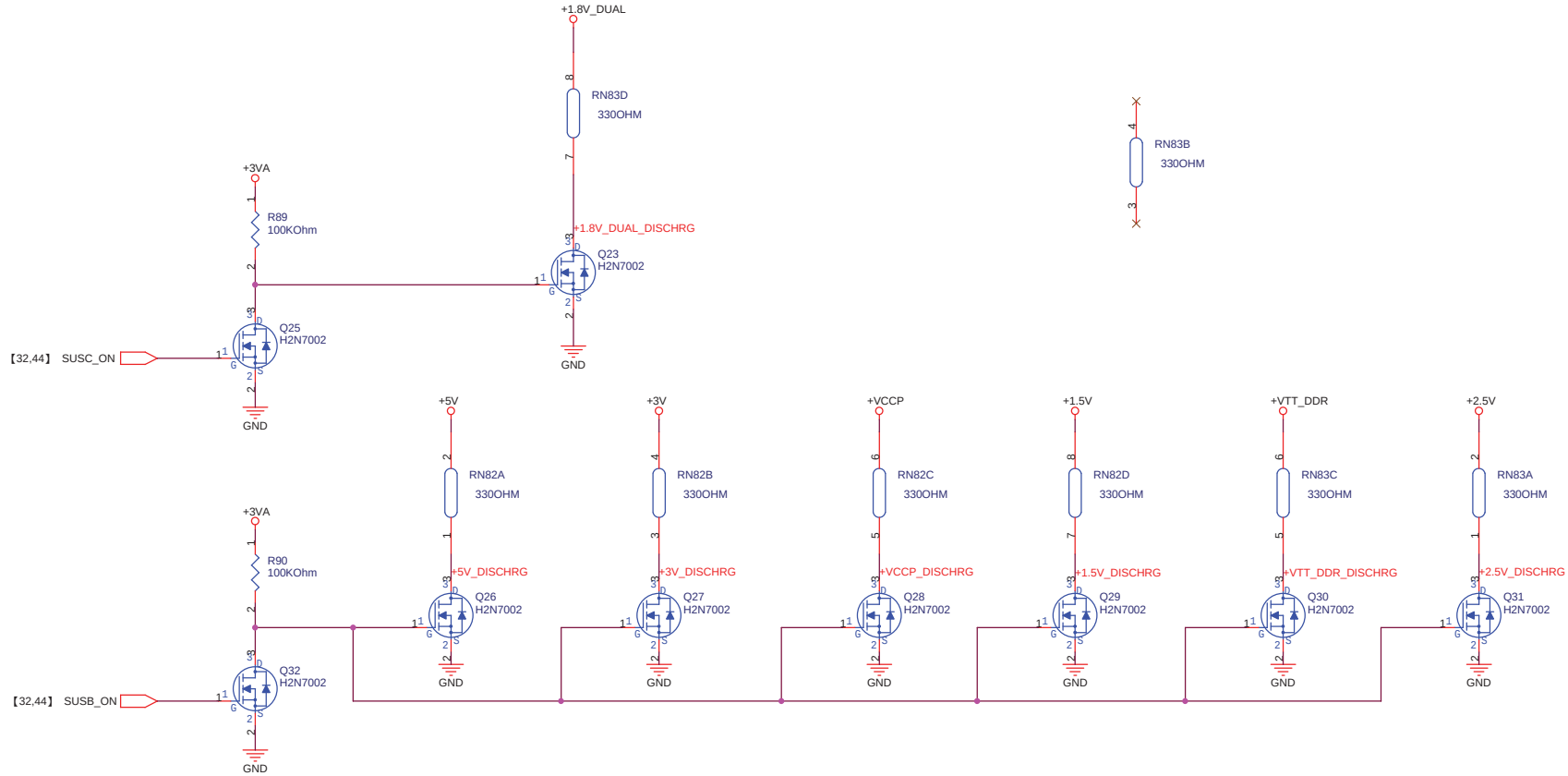
For THERMTRIP





P900_R1.1G_W/O_FLASH

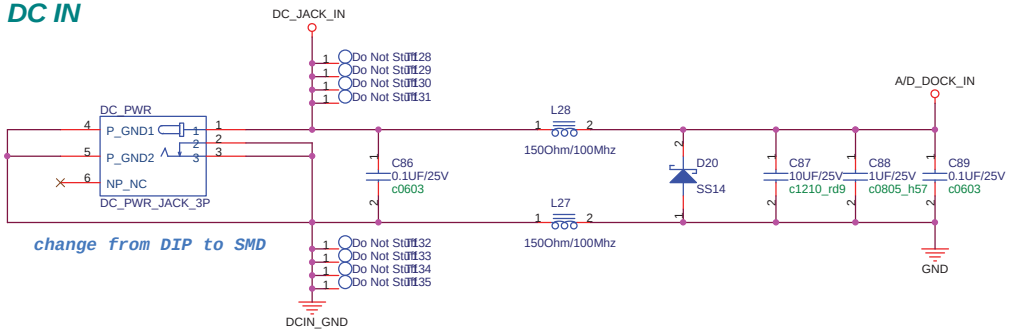
ASUSTek Computer INC.	Title : LED_THERMTRIP	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 36 of 47	



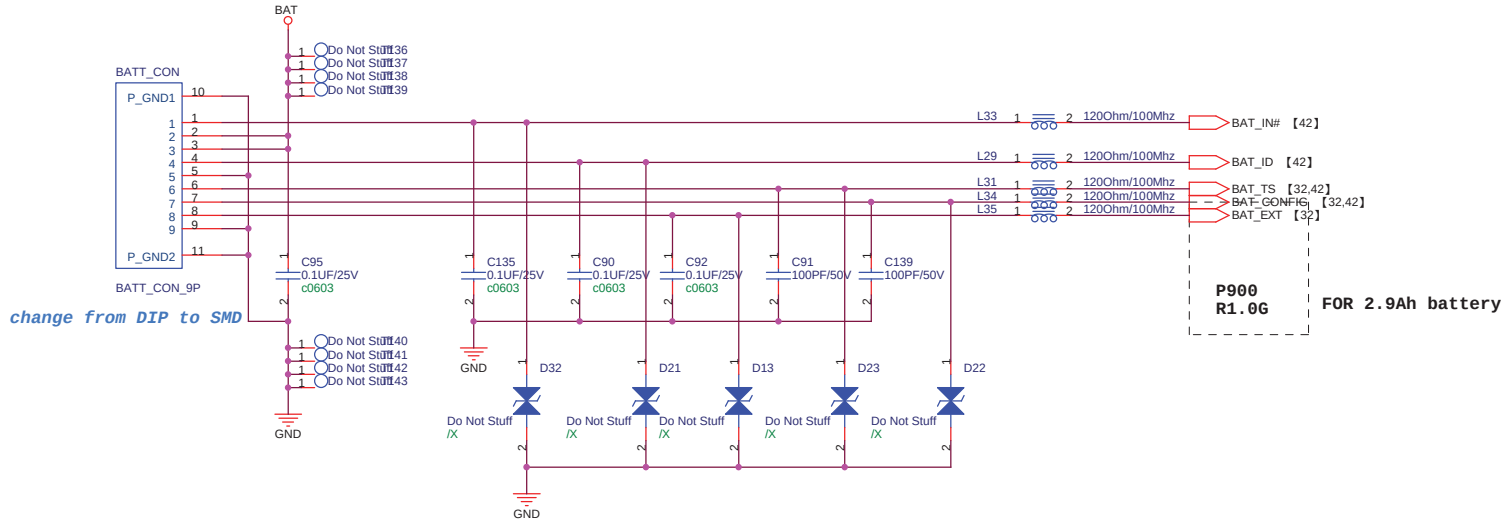
P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : Discharge	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 37 of 47	

DC IN

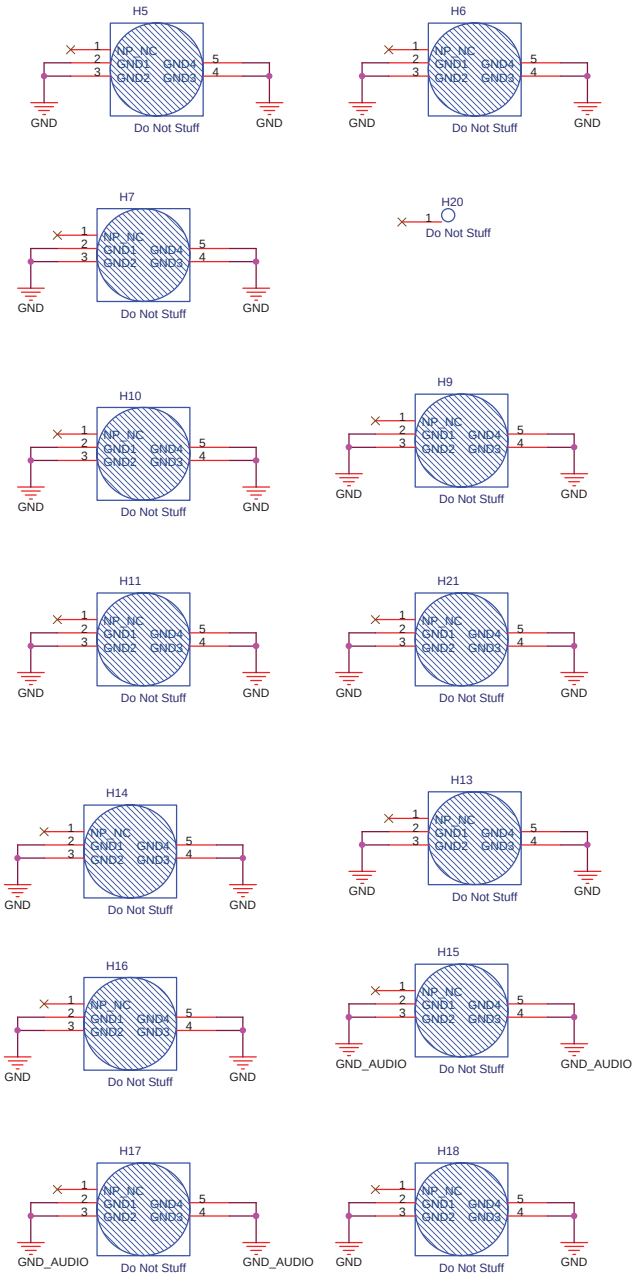


BAT IN



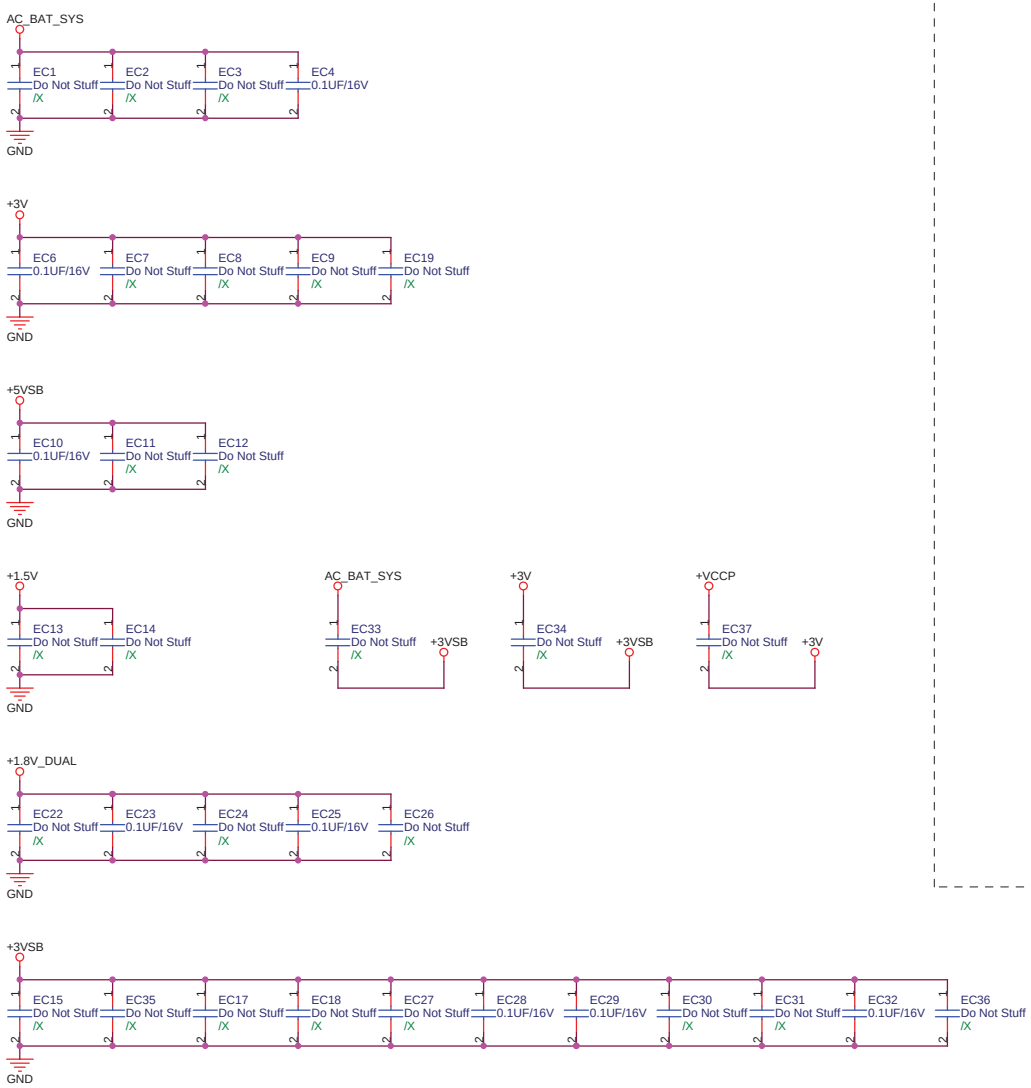
P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : PWR Jack	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 38 of 47	



P900_R1.1G_W/O_FLASH

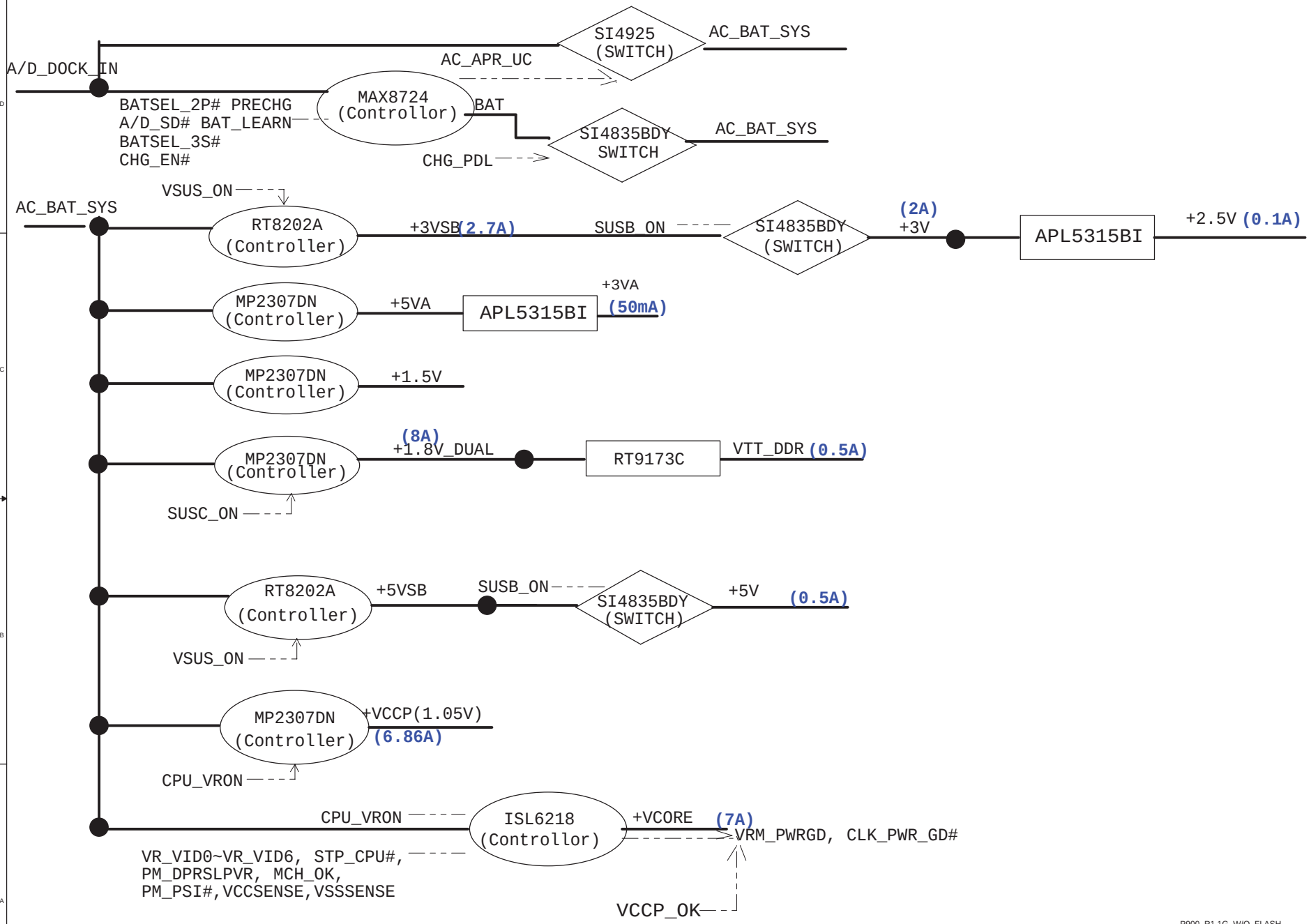
ASUSTek Computer INC.	Title : Screw Hole	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 39 of 47	



P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : EMI	
	Engineer: Tiansen_Wu	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 40 of 47	

POWER CHARGER



P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : Power Flow	
	Engineer: Joy_Zhou	
Size: A3	Project Name: P701	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 41 of 47	

Prevent Input from 19V :

Adaptor > 14.1V, PQ1 & PQ11 Turn-off

Adaptor < 14.1V, PQ1 & PQ11 Turn-on

Fast Charging :

Adaptor > 11V, PQ4 Turn-on, Adaptor current=2.85A

Adaptor < 11V, PQ4 Turn-off, Adaptor current=2.17A

VREFIN = 3.396V

MAX8724_REF : 4.096V

MAX8724_LDO : 5.4V

Pre-Charging Mode :

Precharging current = 150mA

Victl = 169.8mV

Adaptor Max. Current :

PR10 = 130K; Ilimit = 2.174A; 20.65W (9.5V/22W)

PR10//PR38 = 75.5K; Ilimit = 2.85A; 34.2W (12V/36W)

ACIN Threshold = 2.048V

Adaptor > 8.71V, System Powered by Adaptor

Adaptor < 8.71V, System Powered by Battery

Battery Charging Voltage :

BAT= Cell x { 4 +[0.4*(Vvctl / Vrefin)]}

Battery Charging Current :

Icharge=(0.075 / PR8) x (Victl / Vrefin)

Input Adaptor Max. Current Limit :

Ilimit_current=(0.075 / PR1) x (Vcls / 4.096)

for EC

P900 R1.00

FOR 2.9Ah battery

Battery Cell Selection :

BAT_ID = 1, 2 Cells; Victl = 1.669V

=> Icharge = 1.475A

BAT_ID = 0, 4/6 Cells; Victl = 2.818V

=> Icharge = 2.489A

PRECHG = 1, PreCharging Mode

Charging Current = 150mA

CHG_EN# = 1, Charger Disabled

CHG_EN# = 0, Charger Enabled

AC_OK = 1, Adaptor is present

AC_OK = 0, Adaptor is absent

REFIN = 3.396V

BAT_ID = 1, 1P

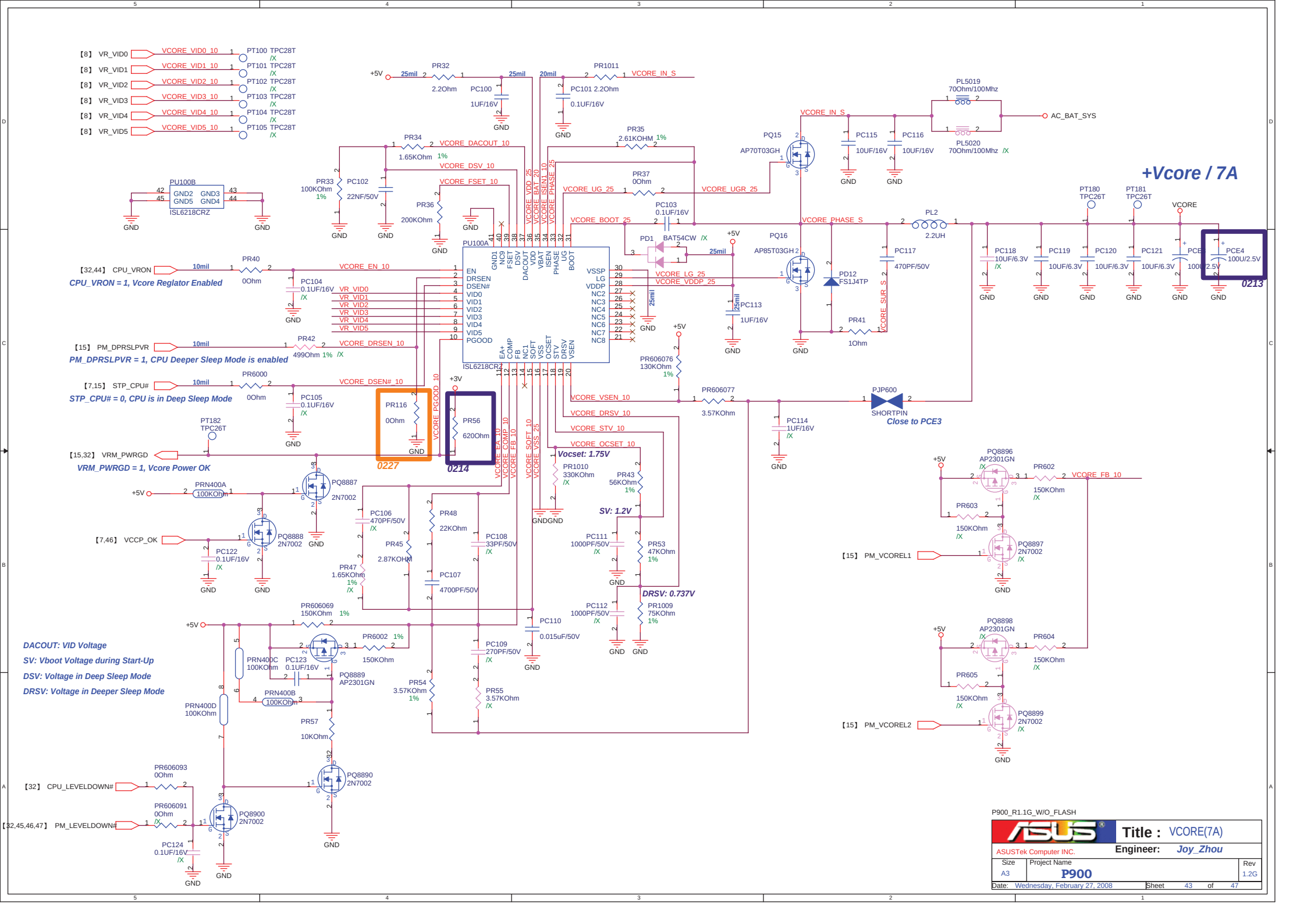
BAT_ID = 0, 2/3P

Close to PU1

CELL=GND ---> 2S

P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : CHARGER	
	Engineer: Joy_Zhou	
Size: Custom	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 42 of 47	


+Vcore / 7A
CPU_VRON = 1, Vcore Reglator Enabled
PM_DPRSLPVR = 1, CPU Deeper Sleep Mode is enabled
STP_CPU# = 0, CPU is in Deep Sleep Mode
VRM_PWRGD = 1, Vcore Power OK
Close to PCE3
Vocset: 1.75V
SV: 1.2V
DRSV: 0.737V
DACOUT: VID Voltage
SV: Vboot Voltage during Start-Up
DSV: Voltage in Deep Sleep Mode
DRSV: Voltage in Deeper Sleep Mode
ISL6218CRZ
P900_R1.1G_W/O_FLASH
Title : VCORE(7A)
ASUSTek Computer INC.
Engineer: Joy_Zhou
Project Name P900
Size A3
Rev 1.2G
Date: Wednesday, February 27, 2008
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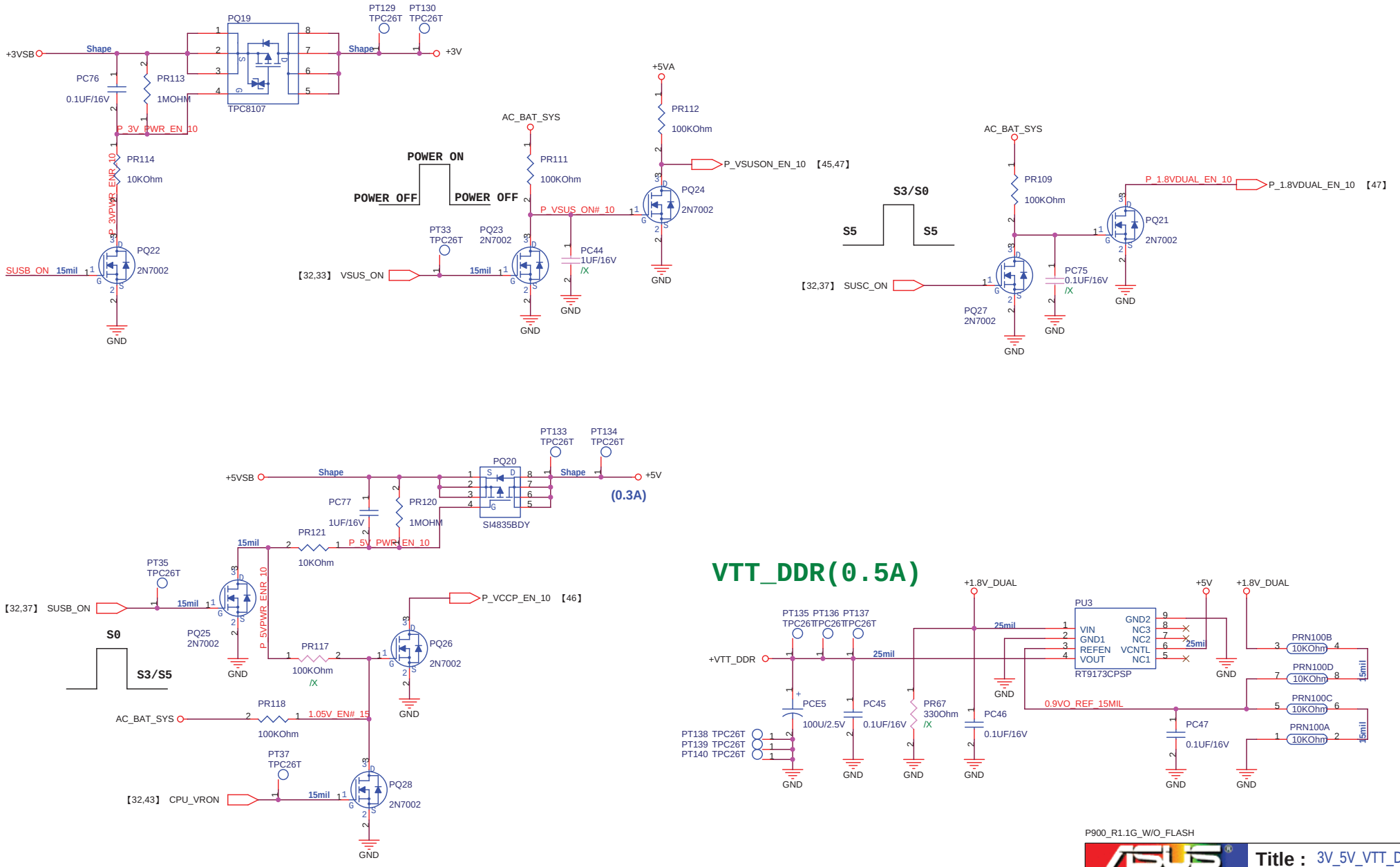
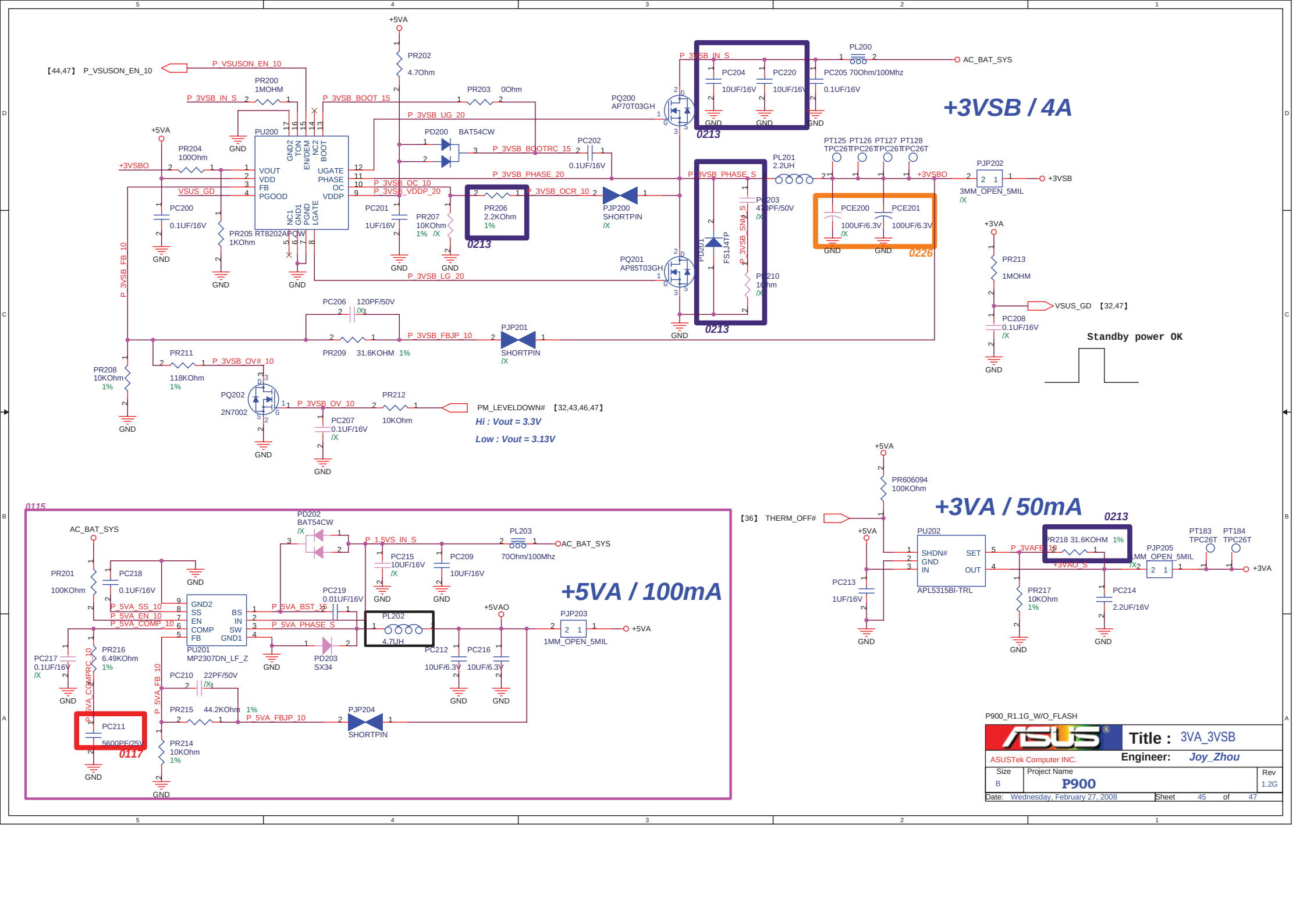


P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : 3V_5V_VTT_DDR	
	Engineer: Joy_Zhou	
Size: B	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 44 of 47	


+3VSB / 4A
+5VA / 100mA
+3VA / 50mA
Standby power OK
Hi : Vout = 3.3V
Low : Vout = 3.13V
P_VSUSON_EN_10
PR202 4.7Ohm
PR200 1MOHM
PR203 0Ohm
PU200
PR204 100Ohm
PR205 RT8202APQW 1KOhm
PC200 0.1UF/16V
PD200 BAT54CW
PC202 0.1UF/16V
PR206 2.2KOhm 1%
PR207 10KOhm 1% /X
PC201 1UF/16V
PJP200 SHORTPIN /X
PQ200 AP70T03GH
PQ201 AP85T03GH
PC204 10UF/16V
PC220 10UF/16V
PC205 70Ohm/100Mhz
PL200
AC_BAT_SYS
PL201 2.2UH
PC203 470PF/50V /X
PD201 FS1J4TP
PC210 10ohm /X
PCE200 100UF/6.3V /X
PCE201 100UF/6.3V
PT125 PT126 PT127 PT128 TPC26T
PJP202 3MM_OPEN_5MIL /X
+3VSBO
+3VSB
PC206 120PF/50V /X
PR209 31.6KOHM 1%
PJP201 SHORTPIN /X
PR208 10KOhm 1%
PR211 118KOhm 1%
PQ202 2N7002
PR212 10KOhm
PC207 0.1UF/16V /X
PM_LEVELDOWN# 【32,43,46,47】
PR213 1MOHM
PC208 0.1UF/16V /X
VSUS_GD 【32,47】
【44,47】 P_VSUSON_EN_10
【36】 THERM_OFF#
PR606094 100KOhm
PU202 APL5315BI-TRL
PR218 31.6KOHM 1%
PR217 10KOhm 1%
PC213 1UF/16V
PC214 2.2UF/16V
PJP205 1MM_OPEN_5MIL /X
PT183 PT184 TPC26T
PD202 BAT54CW /X
PL203 70Ohm/100Mhz
PC215 10UF/16V /X
PC209 10UF/16V
PR201 100KOhm
PC218 0.1UF/16V
PU201 MP2307DN_LF_Z
PC219 0.01UF/16V
PL202 4.7UH
PD203 SX34
PJP203 1MM_OPEN_5MIL
PC212 10UF/6.3V
PC216 10UF/6.3V
PC217 0.1UF/16V /X
PR216 6.49KOhm 1%
PC210 22PF/50V /X
PR215 44.2KOhm 1%
PJP204 SHORTPIN
PC211 5600PF/25V
PR214 10KOhm 1%
0213
0226
0115
0117
P900_R1.1G_W/O_FLASH
Title : 3VA_3VSB
ASUSTek Computer INC.
Engineer: Joy_Zhou
Size B
Project Name P900
Rev 1.2G
Date: Wednesday, February 27, 2008
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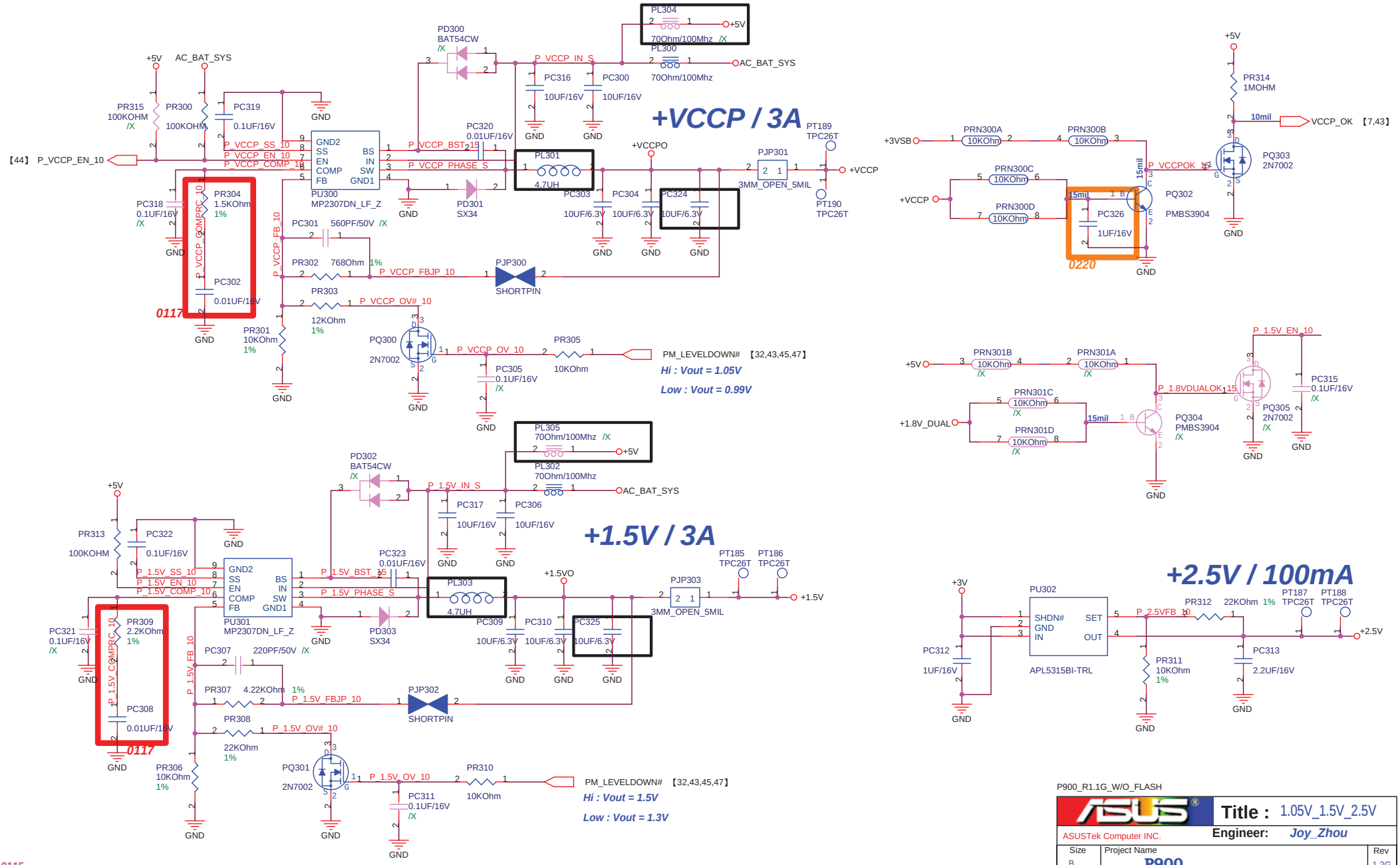
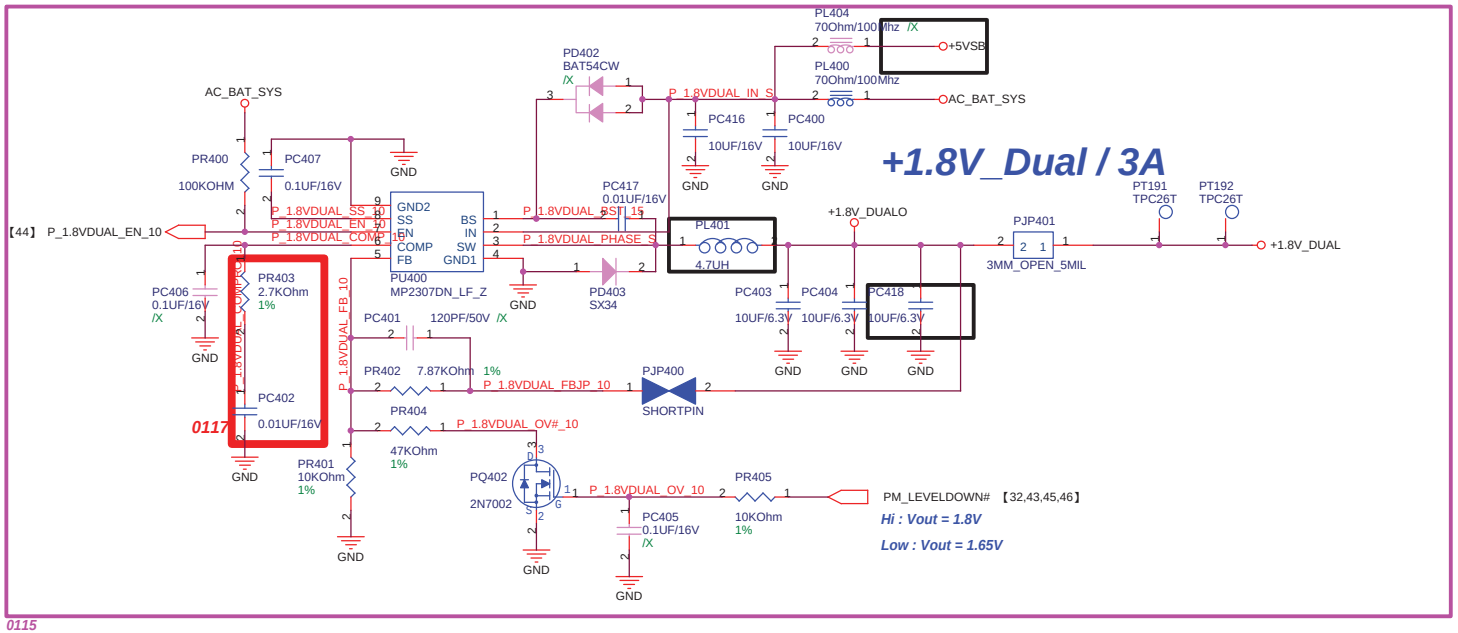
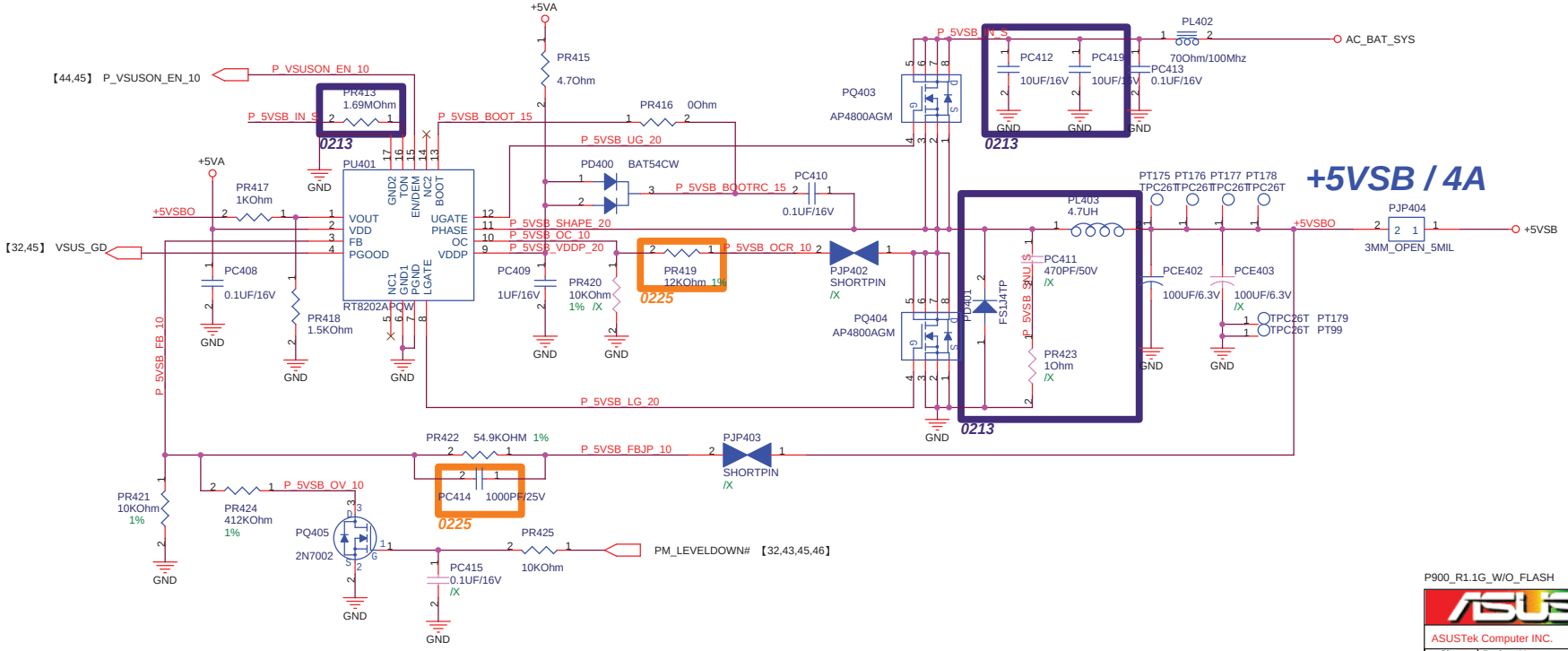


P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : 1.05V_1.5V_2.5V	
	Engineer: Joy_Zhou	
Size: B	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 46 of 47	





P900_R1.1G_W/O_FLASH

ASUSTek Computer INC.	Title : 1.8V_DUAL_5VSB	
	Engineer: Joy_Zhou	
Size: A3	Project Name: P900	Rev: 1.2G
Date: Wednesday, February 27, 2008	Sheet 47 of 47	