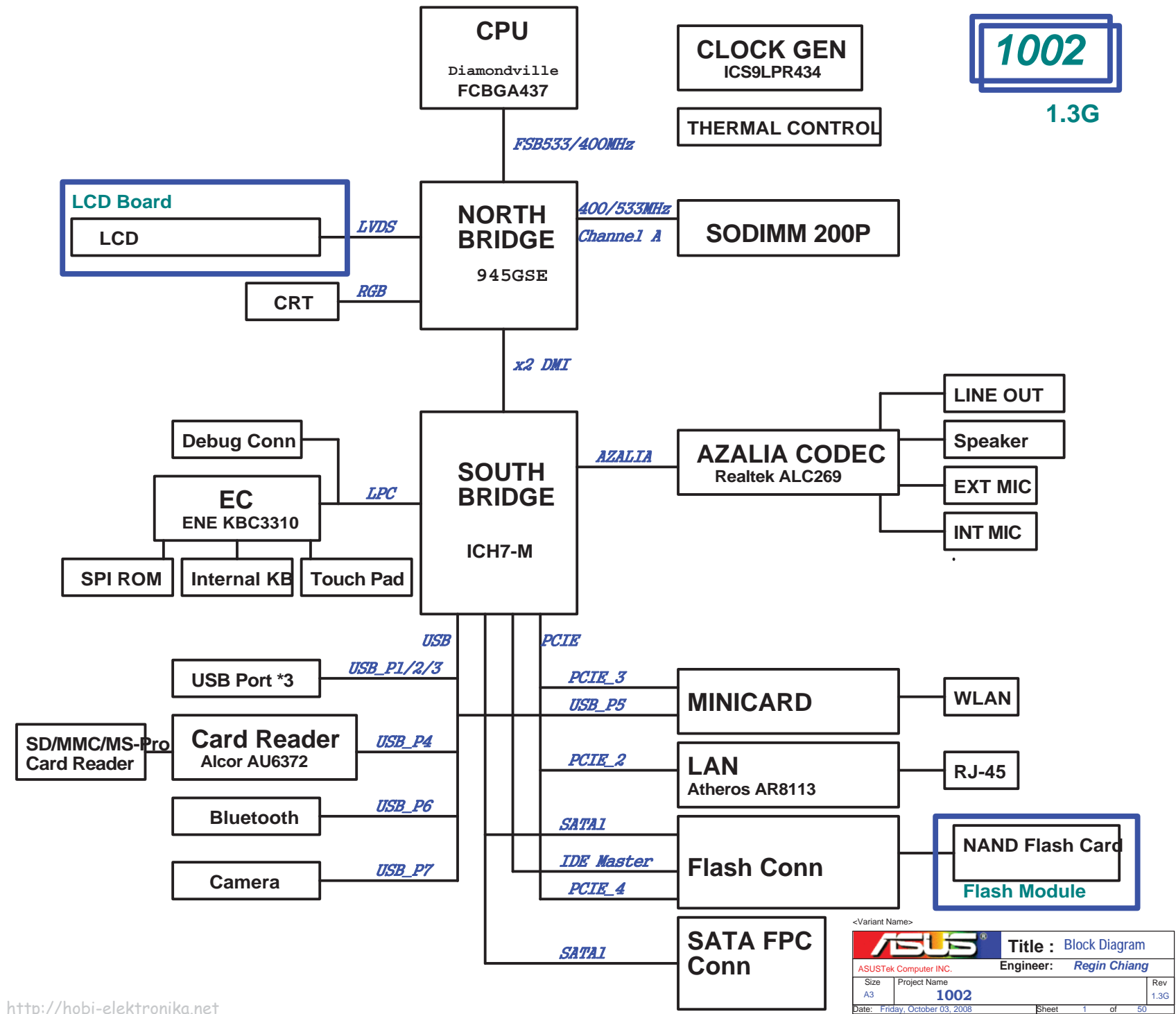


01_Block Diagram
 02_System Setting
 03_Power Sequence
 04_Clock Gen_ICS9LPR434
 05_Diamondville_BUS
 06_Diamondville_PWR
 07_NB-945GMS(HOST)
 08_NB-945GMS(DMI)
 09_NB-945GMS(GRAPHIC)
 10_NB-945GMS(DDR2)
 11_NB-945GMS(PWR)
 12_NB-945GMS(PWR2)
 13_NB-945GMS(GND)
 14_SB-ICH7M(PWR)
 15_SB-ICH7M(1)
 16_SB-ICH7M(2)
 17_SB-ICH7M(3)
 18_DDR2 SODIMM
 19_DDR2 Termination
 20_Onboard VGA
 21_LCD Conn_LID
 22_Blank
 23_Mini WIFI+ BT
 24_LAN_Atheros AR8113
 25_RJ45
 26_Flash Conn
 27_USB Port
 28_Camera Conn
 29_Card Reader_AU6372A51
 30_Codec_ALC269
 31_Audio_AMP_Jack
 32_EC_ENE KB3310
 33_EC
 34_Switch_SPI ROM_Debug Conn
 35_Thermal Sensor_FAN
 36_KB_Touch Pad
 37_LED_THERMTRIP
 38_Discharge
 39_PWR Jack
 40_Srew Hole
 41_EMI
 42_POWER FLOW
 43_Vcore
 44_Power System
 45_Power_+1.8V & VTTDDR
 46_Power_VCCP
 47_Power_+1.5VS & +2.5VS
 48_Power_Charger
 49_EC Pin Define
 49_History



EEE PC 701 PCB version

GPI37	GPI38	GPI39	PCB version
0	0	0	
0	0	0	
0	0	1	
0	0	1	
0	1	0	
0	1	0	
0	1	1	
0	1	1	
1	0	0	
1	0	0	
1	0	1	
1	0	1	
1	1	0	
1	1	0	
1	1	1	
1	1	1	

USB

USB 0	NC
USB 1	USB Conn
USB 2	USB Conn
USB 3	USB Conn
USB 4	Card Reader
USB 5	Minicard
USB 6	Bluetooth
USB 7	Camera

PCIE

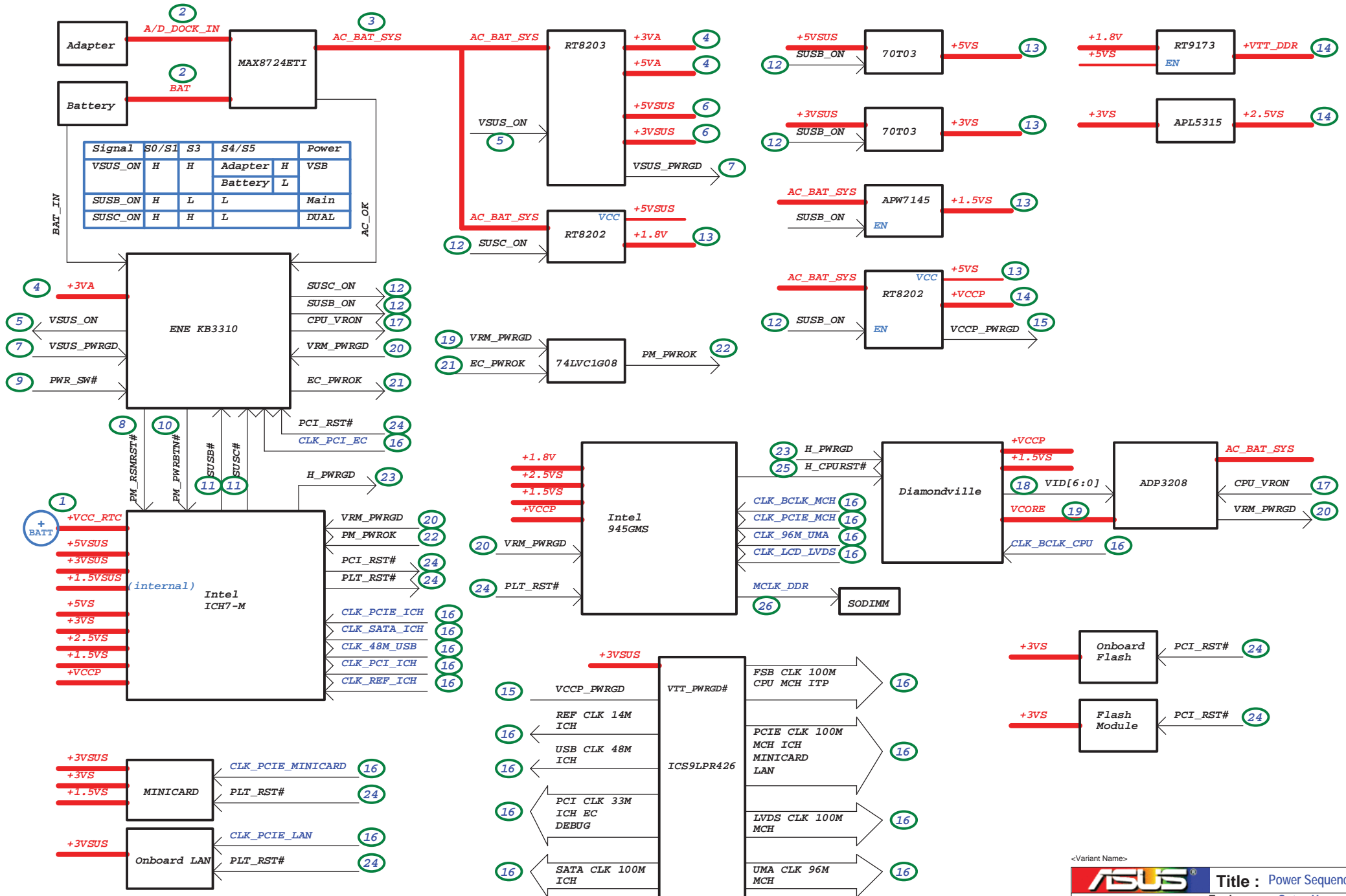
PCIE 1	NC
PCIE 2	LAN
PCIE 3	Minicard
PCIE 4	SSD

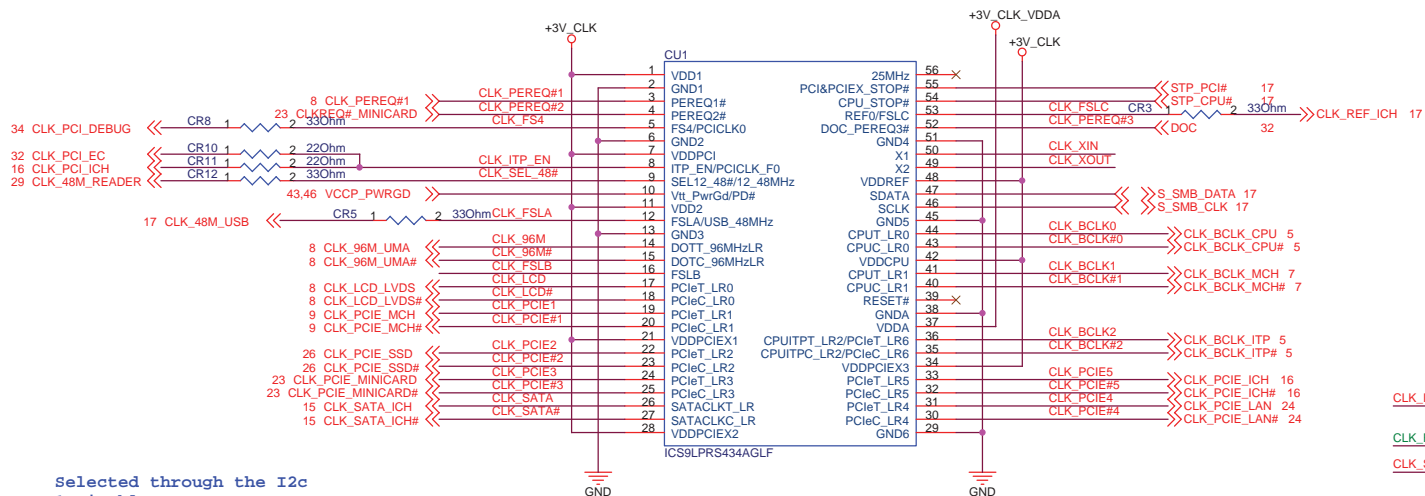
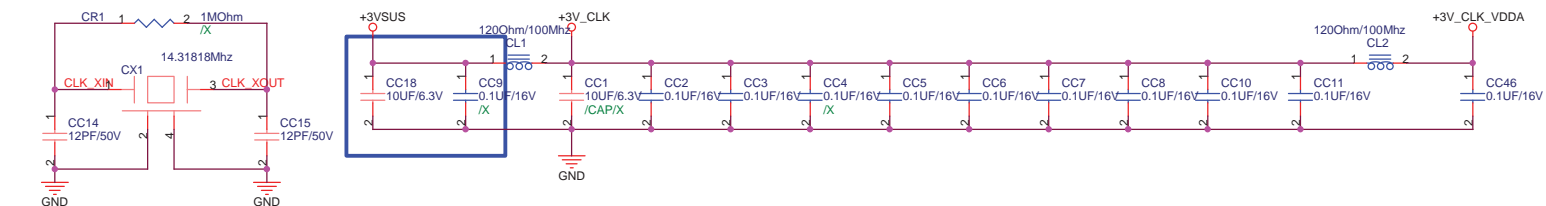
Azalia

ACZ_SDIN0	CODEC
ACZ_SDIN1	NC
ACZ_SDIN2	NC

<Variant Name>

		Title : System Setting	
ASUSTek Computer INC.		Engineer: Satan_He	
Size A3	Project Name S101	Rev 1.3G	
Date: Friday, October 03, 2008		Sheet	2 of 50



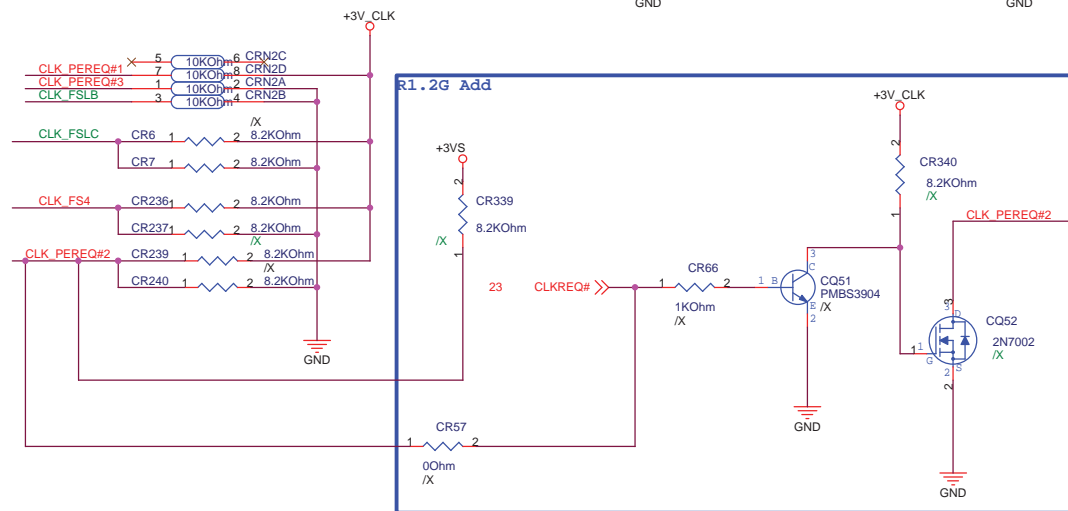
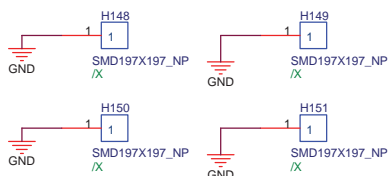


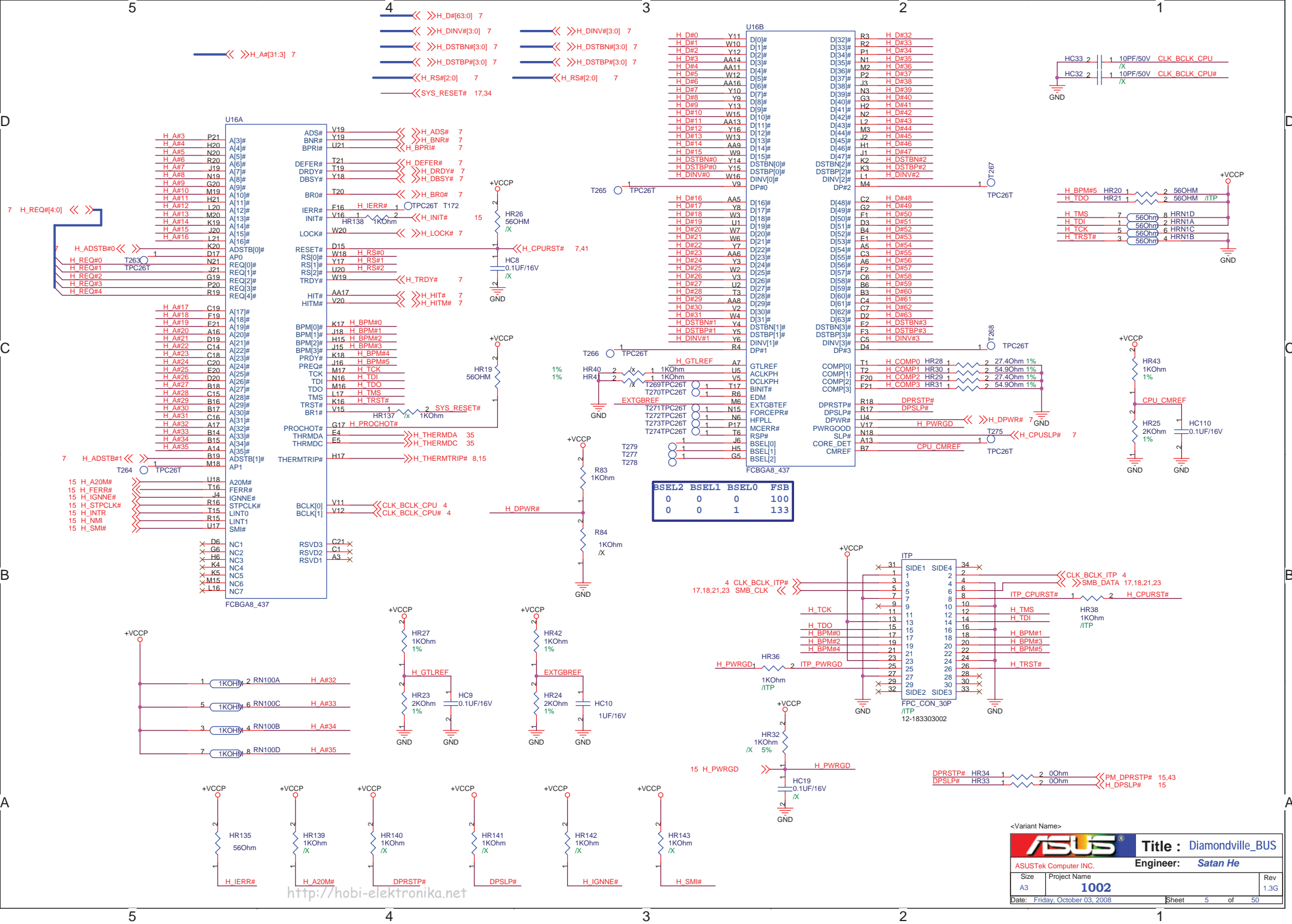
Selected through the I2c
1:Disable
0:Enable

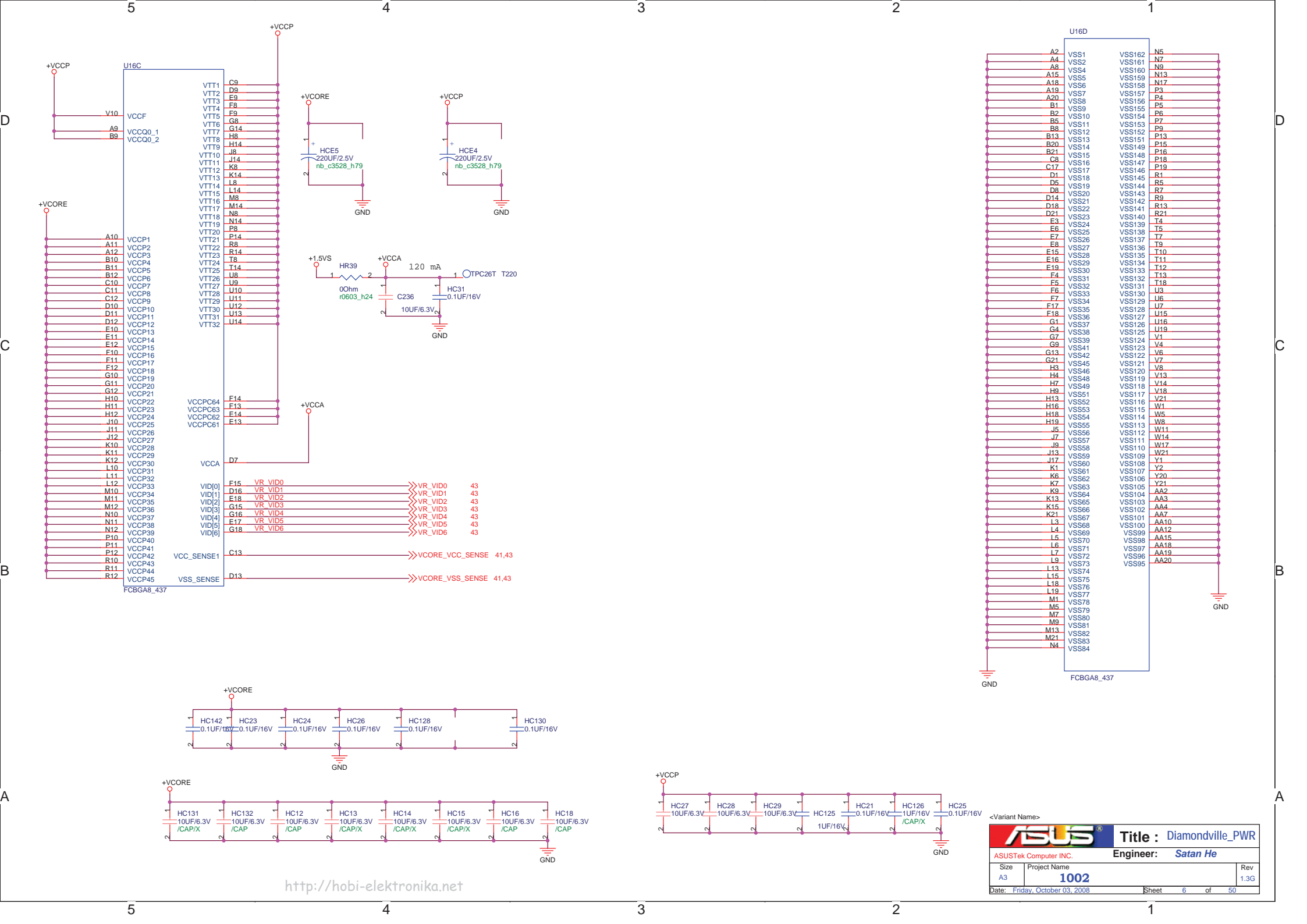
PEREQ1:PCIEx0 & PCIEx1
PEREQ2:PCIEx2 & PCIEx3 & SATA
PEREQ3:PCIEx4 & PCIEx5 & PCIEx6

FSC	FSB	FSA	CPU	PCIE	SATA
0	0	1	133	100	100
1	0	1	100	100	100

H148-H151 reserve to place GASKET for EMI



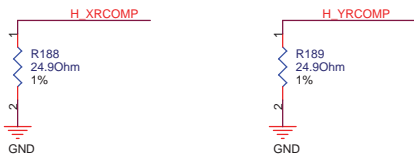




Power :
+VCCP

RCOMP

For Calibrating the FSB I/O Buffer



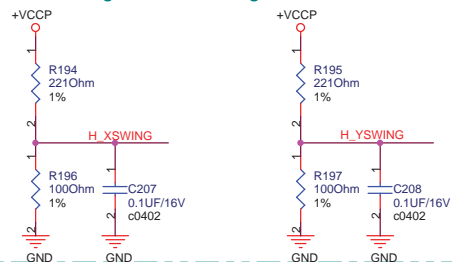
SCOMP

For Slow Rate Compensation on the FSB

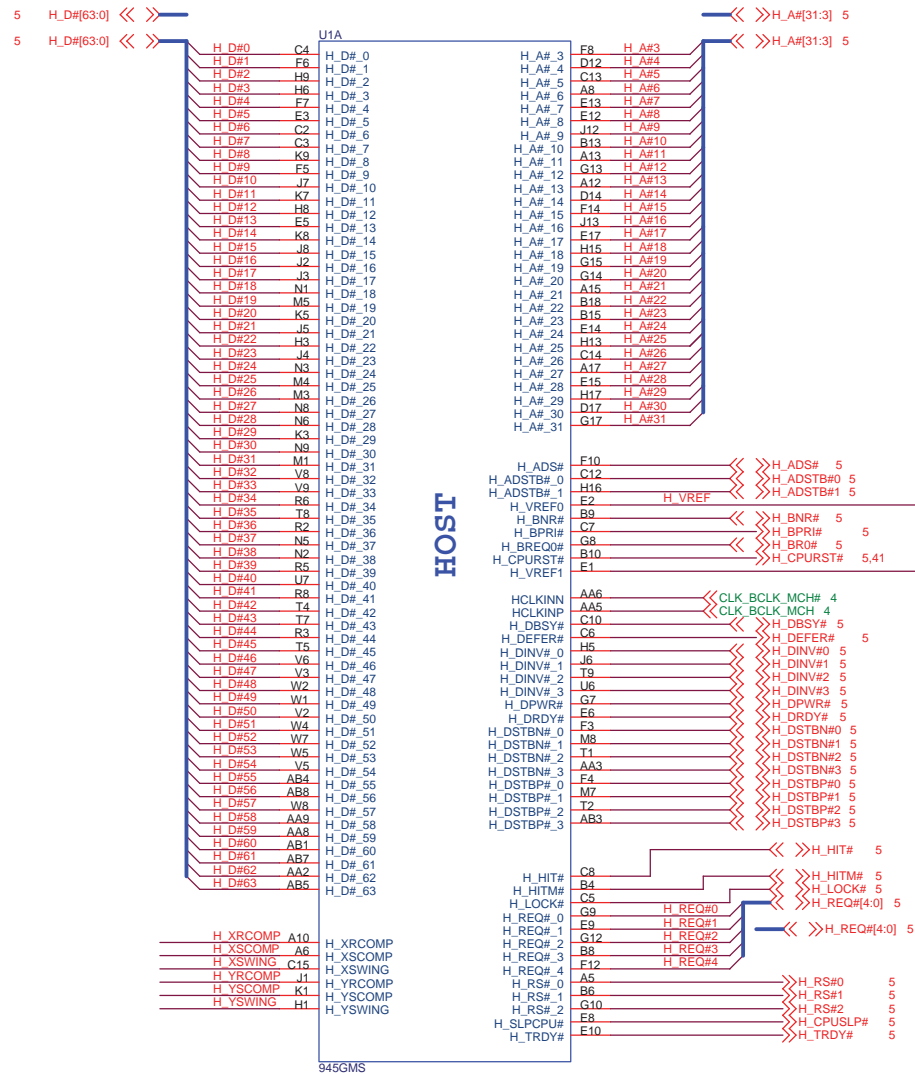


Voltage Swing

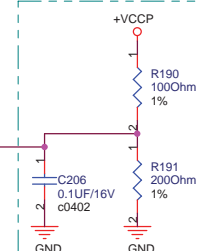
For Providing a Reference Voltage to The FSB RCOMP circuits



Signal voltage level =
0.3125*VCCP
Trace should be 10 mil wide
with 20 mil spacing

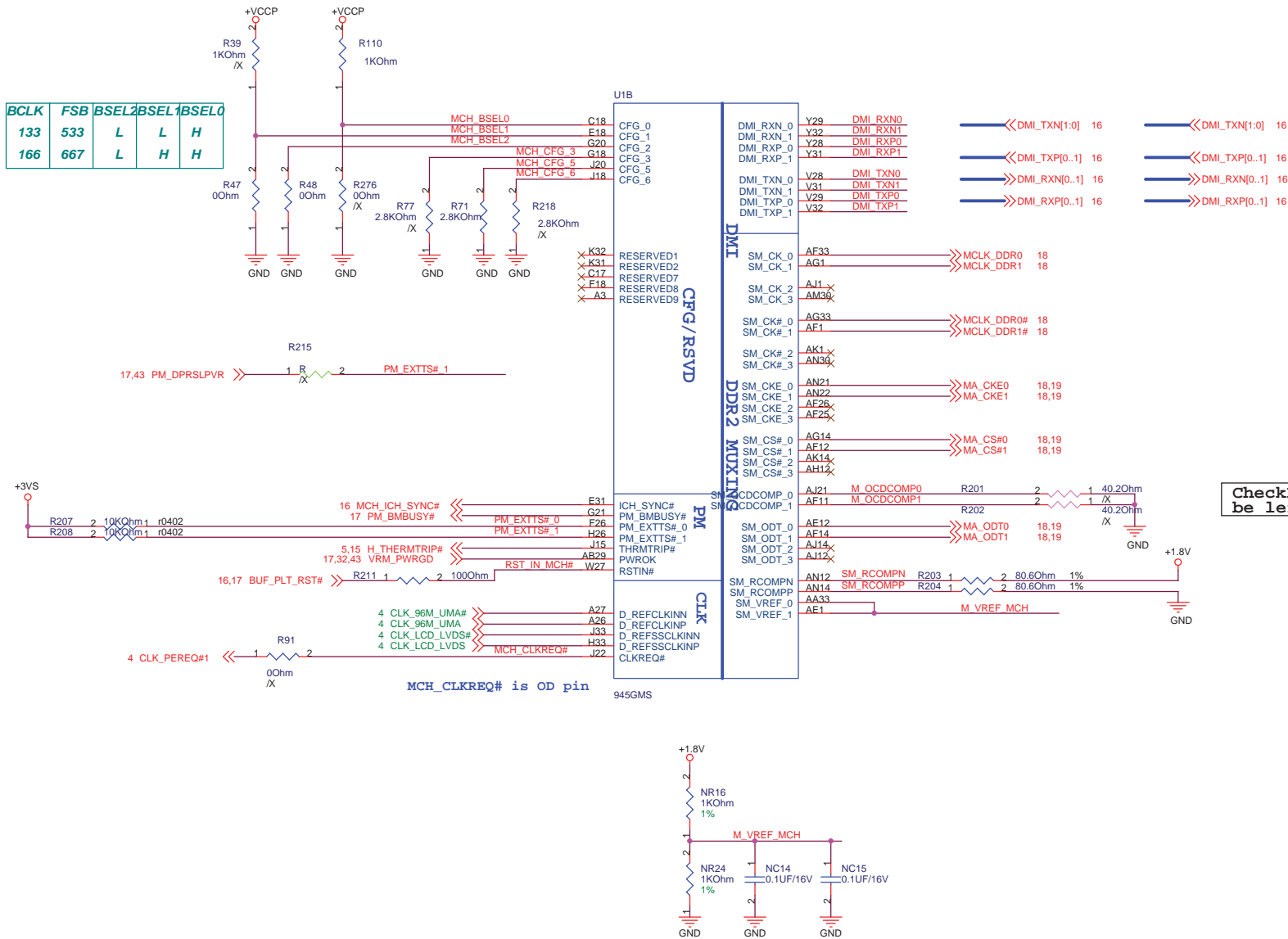


AGTL+ I/O Voltage Reference



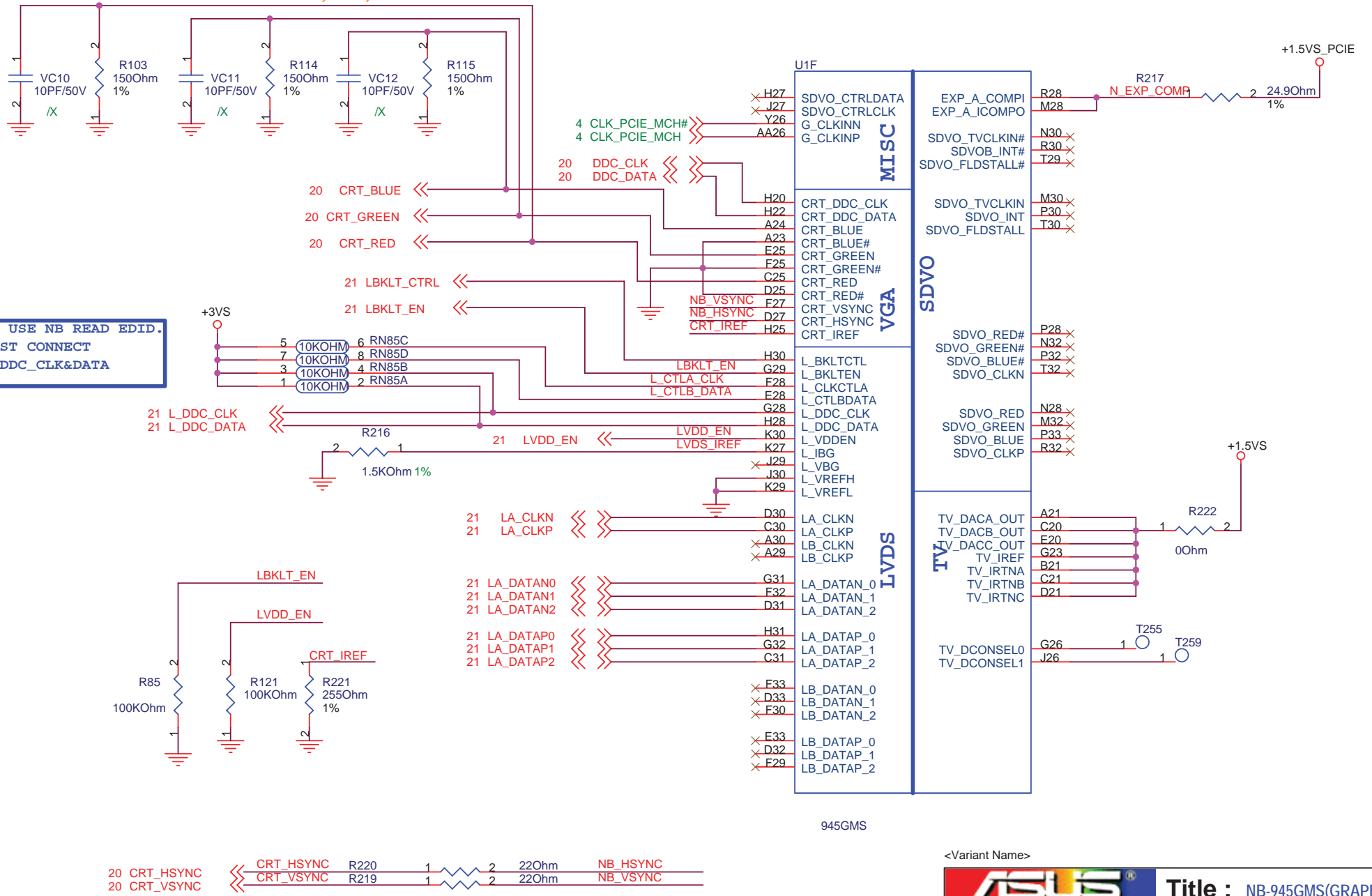
Layout Note:
0.1uF should be placed 100mils or
less from GMCH pin.

BCLK	FSB	BSEL0	BSEL1	BSEL2
133	533	L	L	H
166	667	L	H	H



IF USE NB READ EDID.
MUST CONNECT
L_DDC_CLK&DATA

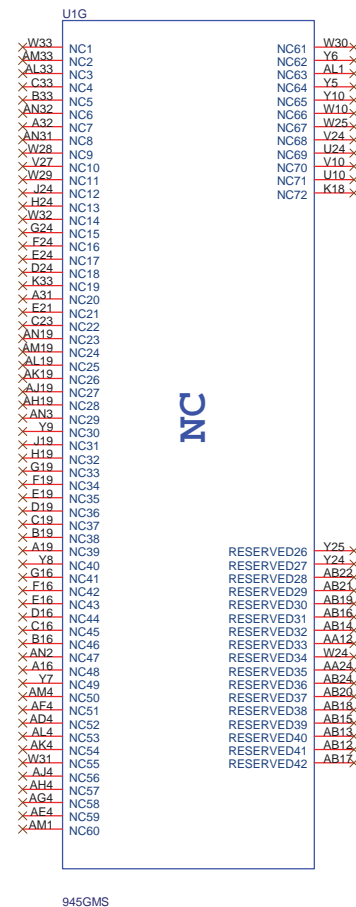
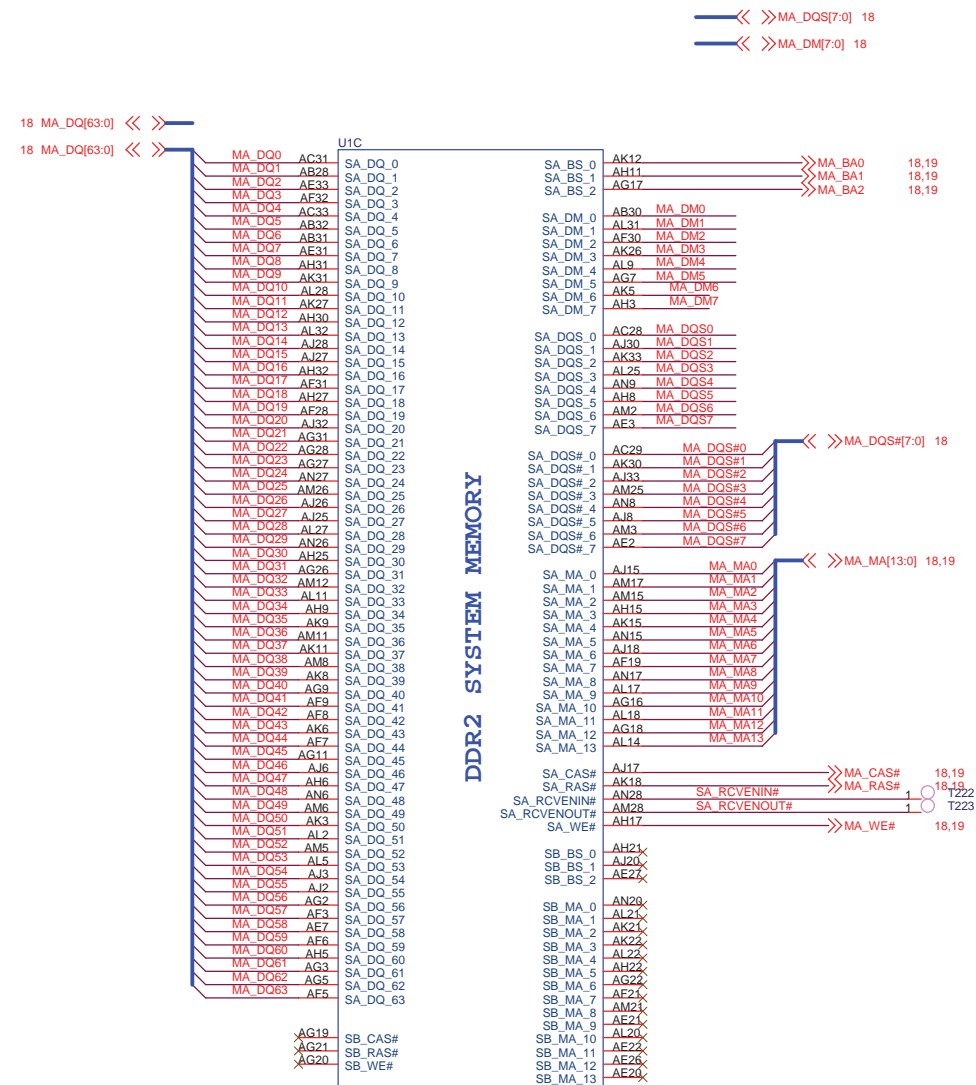
Close to GMCH
R103,R114,R115



945GMS

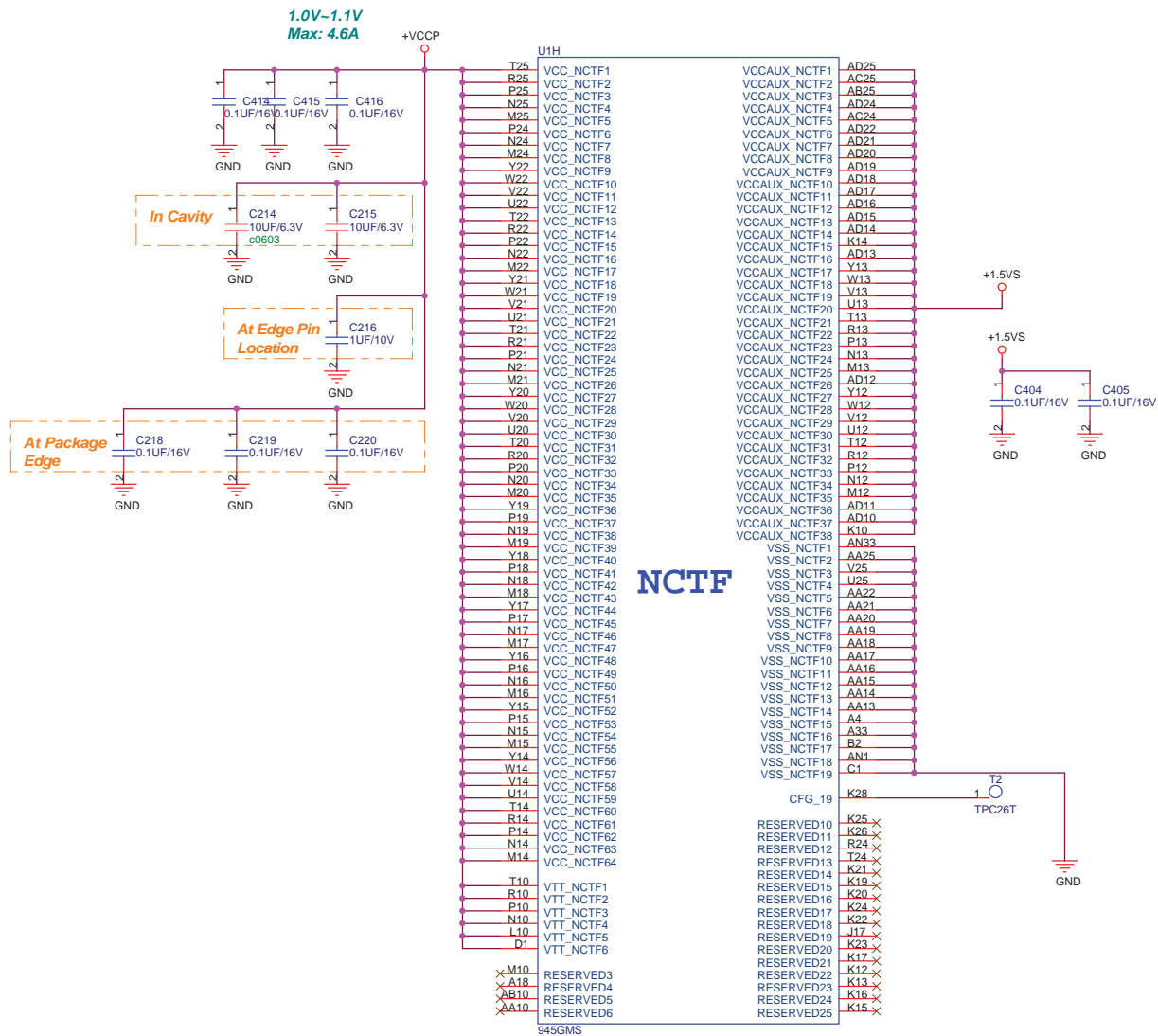
<Variant Name>

ASUS		Title : NB-945GMS(GRAPHIC)	
ASUSTeK COMPUTER INC.		Engineer: Satan_He	
Size A4	Project Name 1002	Rev 1.3G	
Date: Friday, October 03, 2008		Sheet	9 of 50

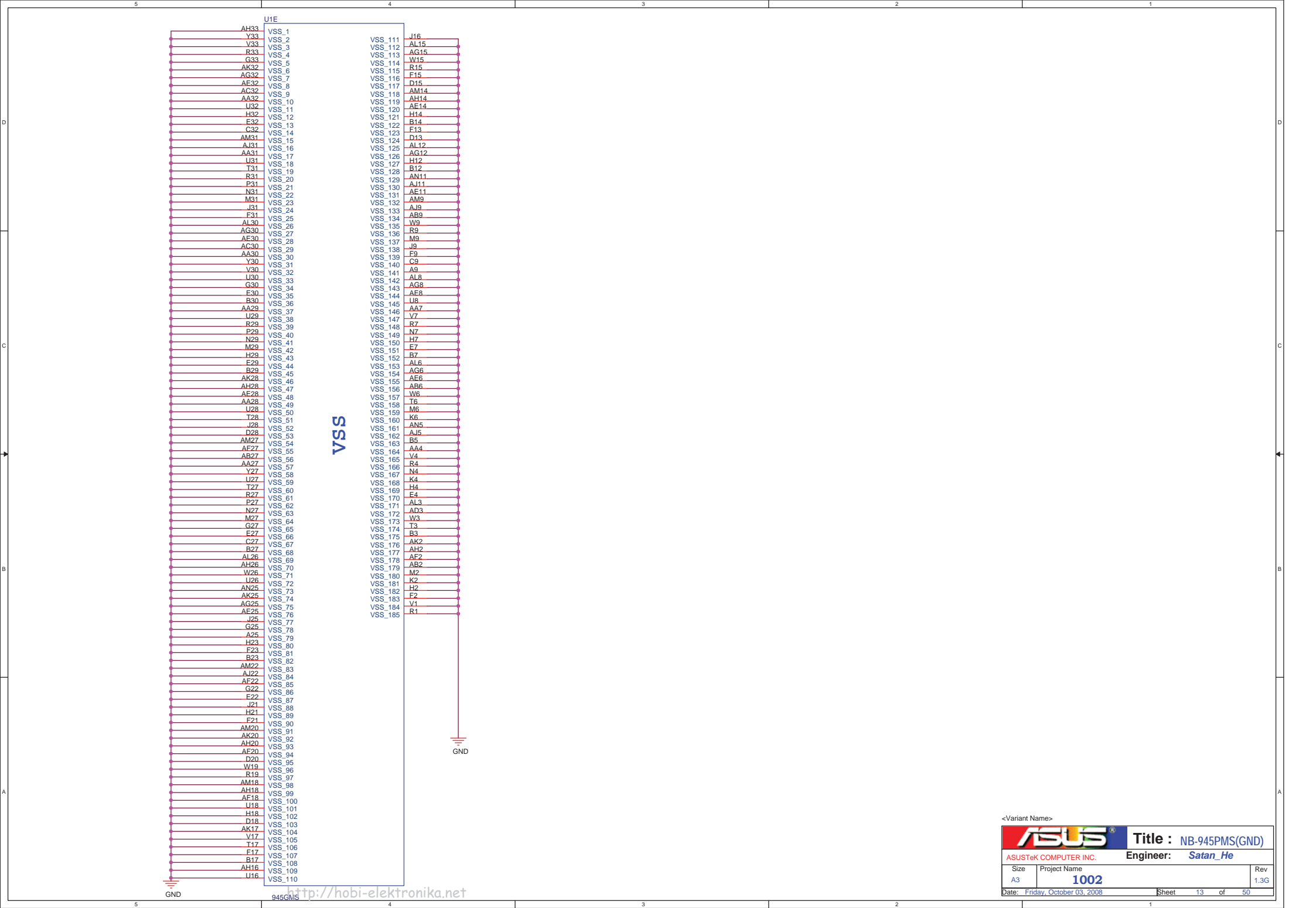


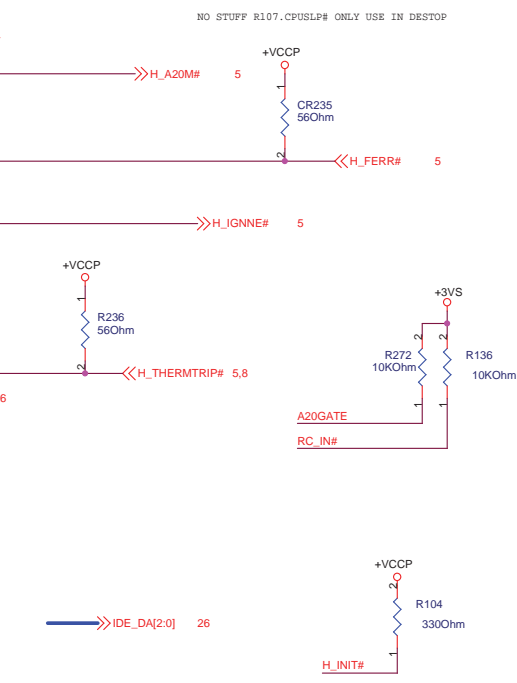
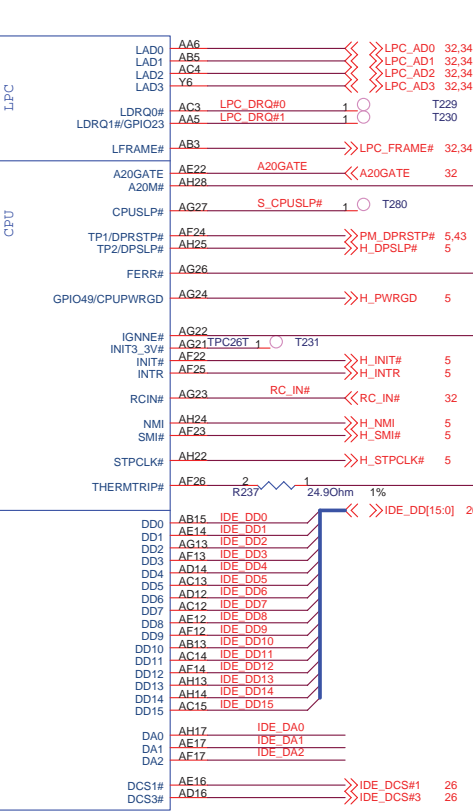
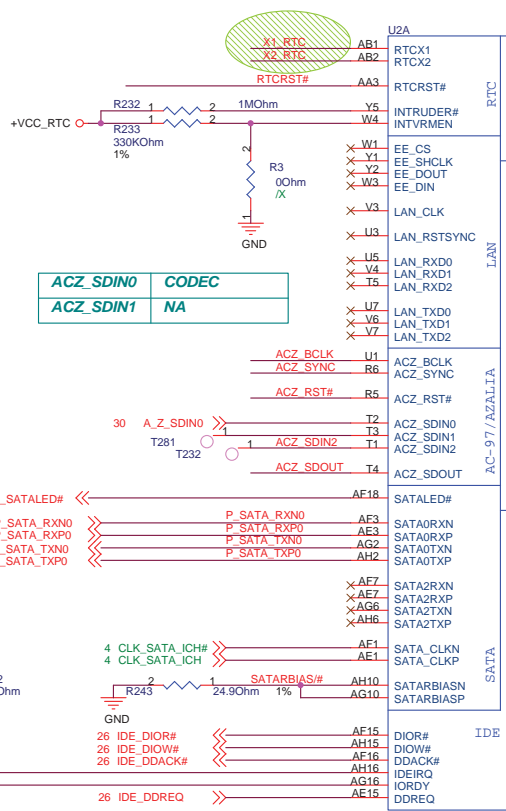
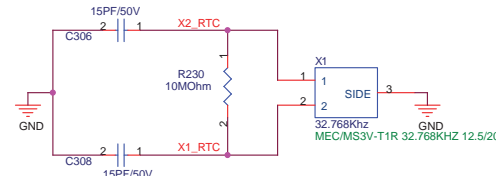
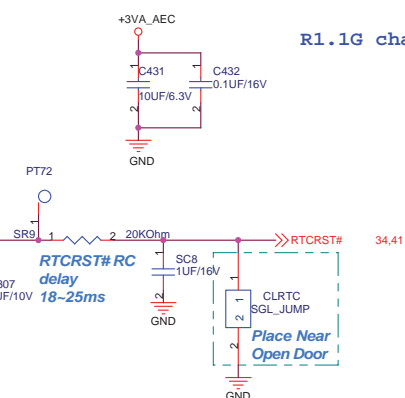
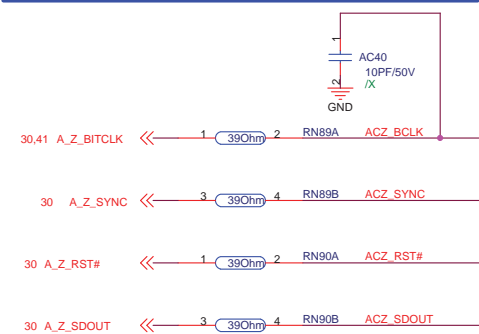
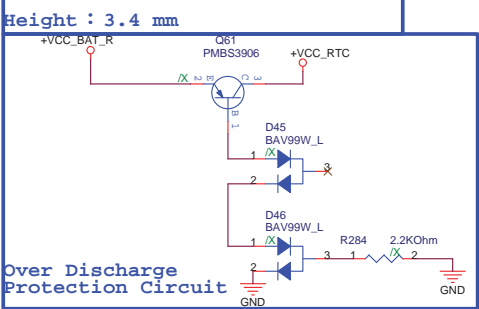
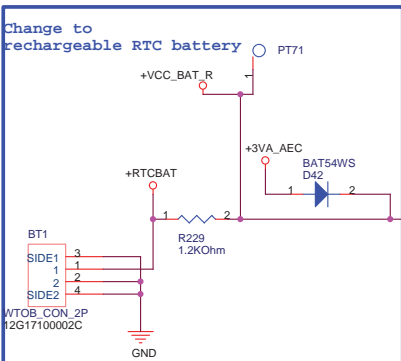
<Variant Name>

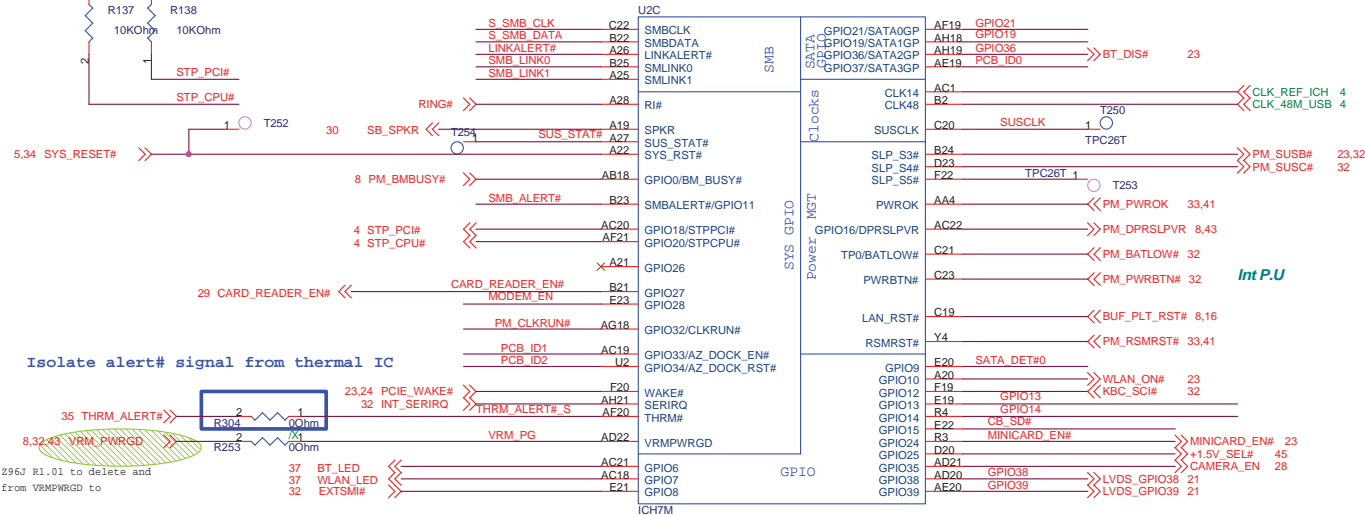
ASUS		Title : NB-945GMS(DDR2)	
ASUSTeK COMPUTER INC.		Engineer: Satan He	
Size A3	Project Name 1002		Rev 1.3G
Date: Friday, October 03, 2008		Sheet 10 of 50	



CFG_19(K28) Strapping :
DMI LANE Reversal:
0:Normal Operation (Default)
1.:Reversal Lanes, 3->0,2->1..etc
Note:945GMS doesn't support DMI Lane Reversal





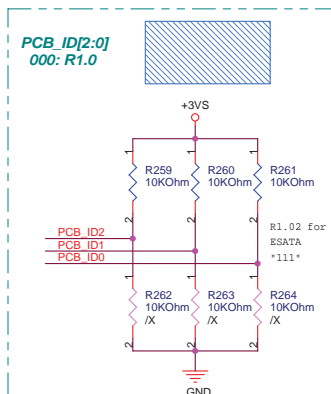
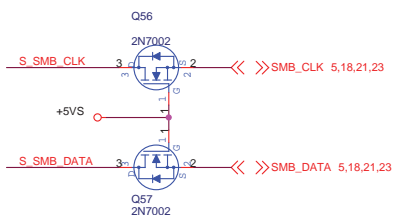


Isolate alert# signal from thermal IC



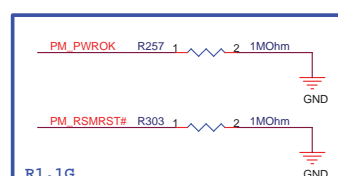
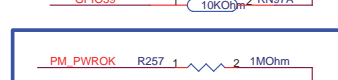
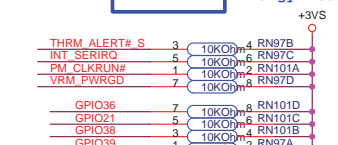
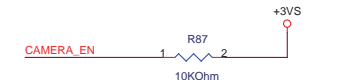
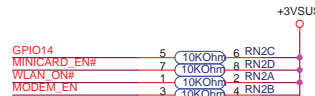
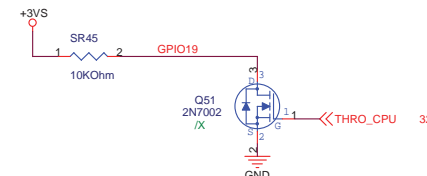
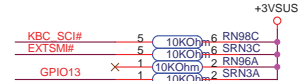
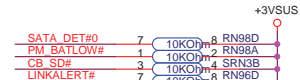
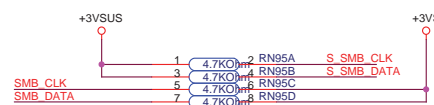
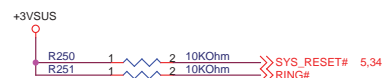
05/12/30, refer Z963 R1.01 to delete and change net name from VRMPWRGD to VRM_PWRGD.

S SMB_CLK >> S SMB_CLK 4
S SMB_DATA >> S SMB_DATA 4



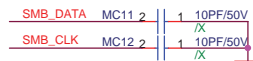
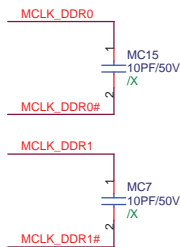
PCB_VID3 : PROJECT CODE

WLAN_LED	WLAN	BT
High	v	v
High	v	x
High	x	v
Low	x	x



<Variant Names>

ASUS		Title : SB-ICH7M(3)	
ASUSTek COMPUTER INC		Engineer: Satan He	
Size	Project Name	Rev	
Custom	1002	1.3G	
Date: Friday, October 03, 2008	Sheet	17	of 50



MA_DQ[63:0] 10
MA_DQS[7:0] 10
MA_DQS# [7:0] 10
MA_DM[7:0] 10
MA_MA[13:0] 10,19
MA_BA[2:0] 10,19

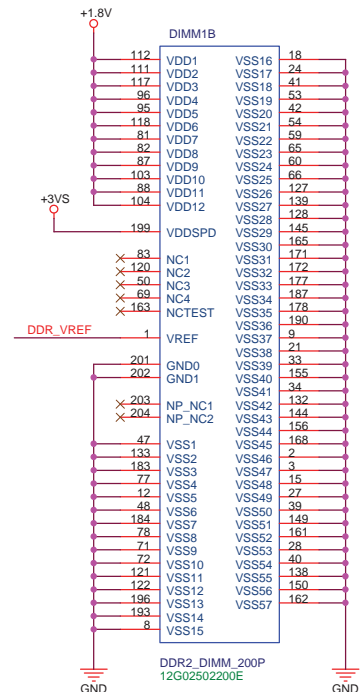
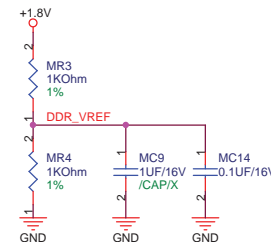
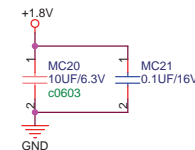
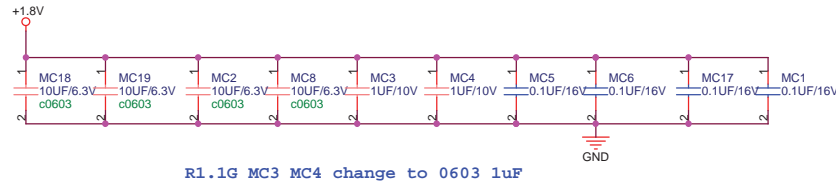
STD Type

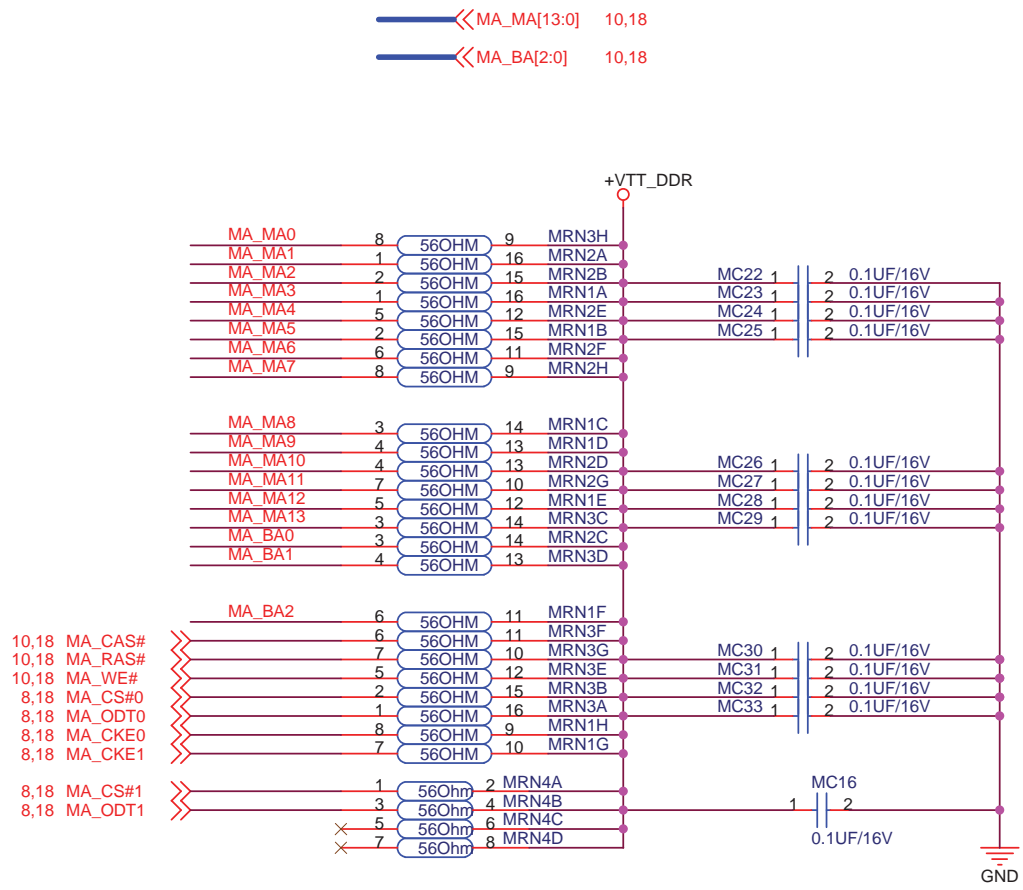
DDR2 Conn. Height=4.0mm

GROUP1
GROUP2
SWAP


DIMM1A			
MA_MA0	102	A0	DQ0
MA_MA1	101	A1	DQ1
MA_MA2	100	A2	DQ2
MA_MA3	99	A3	DQ3
MA_MA4	98	A4	DQ4
MA_MA5	97	A5	DQ5
MA_MA6	94	A6	DQ6
MA_MA7	92	A7	DQ7
MA_MA8	93	A8	DQ8
MA_MA9	91	A9	DQ9
MA_MA10	105	A10/AP	DQ10
MA_MA11	90	A11	DQ11
MA_MA12	89	A12	DQ12
MA_MA13	116	A13	DQ13
	86	A14	DQ14
MA_BA2	84	A15	DQ15
	85	A16_BA2	DQ16
MA_BA0	107	BA0	DQ17
MA_BA1	106	BA1	DQ18
	110	S0#	DQ19
8,19 MA_CS#0	115	S1#	DQ20
8,19 MA_CS#1	30	CK0#	DQ21
8 MCLK_DDR0#	32	CK0#	DQ22
8 MCLK_DDR1	164	CK1#	DQ23
8 MCLK_DDR1#	166	CK1#	DQ24
8,19 MA_CKE0	79	CKE0	DQ25
8,19 MA_CKE1	80	CKE1	DQ26
10,19 MA_CAS#	113	CAS#	DQ27
10,19 MA_RAS#	108	RAS#	DQ28
10,19 MA_WE#	109	WE#	DQ29
	198	SA0	DQ30
	200	SA1	DQ31
5,17,21,23 SMB_CLK	197	SCL	DQ32
5,17,21,23 SMB_DATA	195	SDA	DQ33
	137	DQ34	DQ34
8,19 MA_ODT0	114	ODT0	DQ35
8,19 MA_ODT1	119	ODT1	DQ36
MA_DM0	10	DM0	DQ37
MA_DM2	26	DM1	DQ38
MA_DM1	52	DM2	DQ39
MA_DM3	67	DM3	DQ40
MA_DM4	130	DM4	DQ41
MA_DM5	147	DM5	DQ42
MA_DM6	170	DM6	DQ43
MA_DM7	185	DM7	DQ44
MA_DQS0	13	DQS0	DQ45
MA_DQS2	31	DQS1	DQ46
MA_DQS1	51	DQS2	DQ47
MA_DQS3	70	DQS3	DQ48
MA_DQS4	131	DQS4	DQ49
MA_DQS5	148	DQS5	DQ50
MA_DQS6	169	DQS6	DQ51
MA_DQS7	188	DQS7	DQ52
MA_DQS#0	11	DQS#0	DQ53
MA_DQS#2	29	DQS#1	DQ54
MA_DQS#1	49	DQS#2	DQ55
MA_DQS#3	68	DQS#3	DQ56
MA_DQS#4	129	DQS#4	DQ57
MA_DQS#5	146	DQS#5	DQ58
MA_DQS#6	167	DQS#6	DQ59
MA_DQS#7	186	DQS#7	DQ60
		DQ61	DQ61
		DQ62	DQ62
		DQ63	DQ63

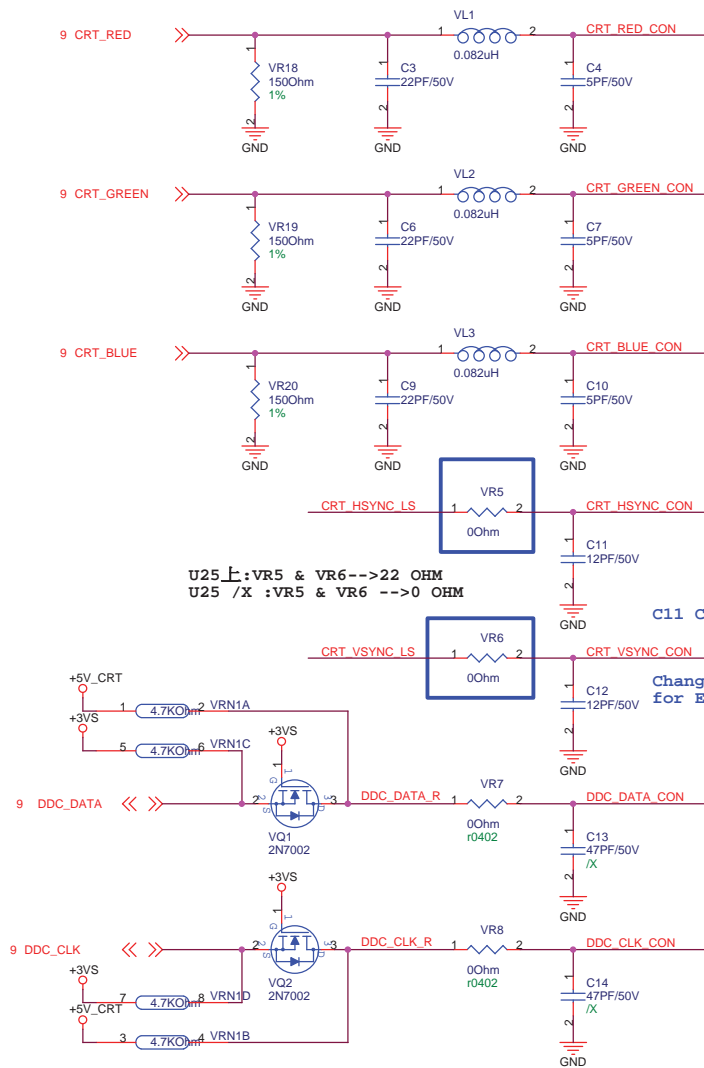
DDR2_DIMM_200P
12G02502200E





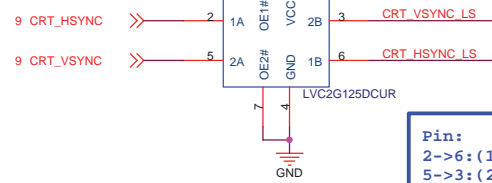
<Variant Name>

		Title : DDR2_Termination	
ASUSTek Computer INC.		Engineer: <i>Kell_Huang</i>	
Size A4	Project Name 1002		Rev 1.3G
Date: Friday, October 03, 2008		Sheet	19 of 50



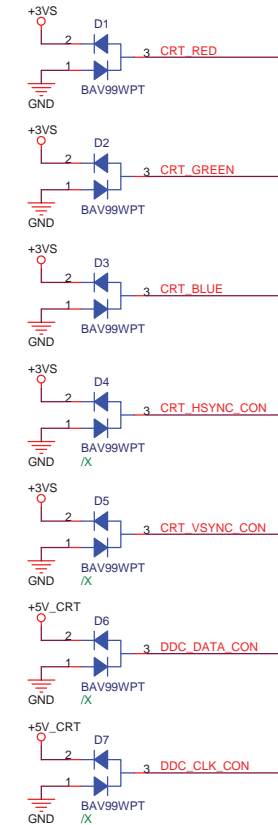
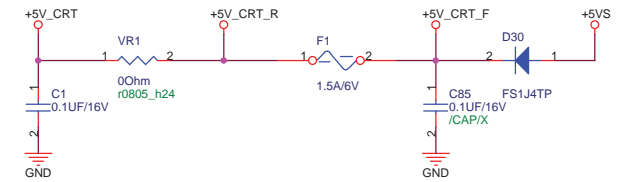
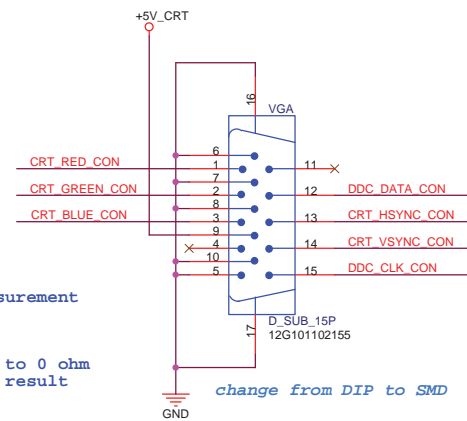
C11 C12 for EA measurement

Change VR5 and VR6 to 0 ohm
for EA measurement result



VGA use 12G10110015W

VGA use 12G101102155, but use
12G10110015W footprint



<http://hobi-elektronika.net>

<Variant Name>



Title : Blank

ASUSTek Computer INC.

Engineer: *Kell_Huang*

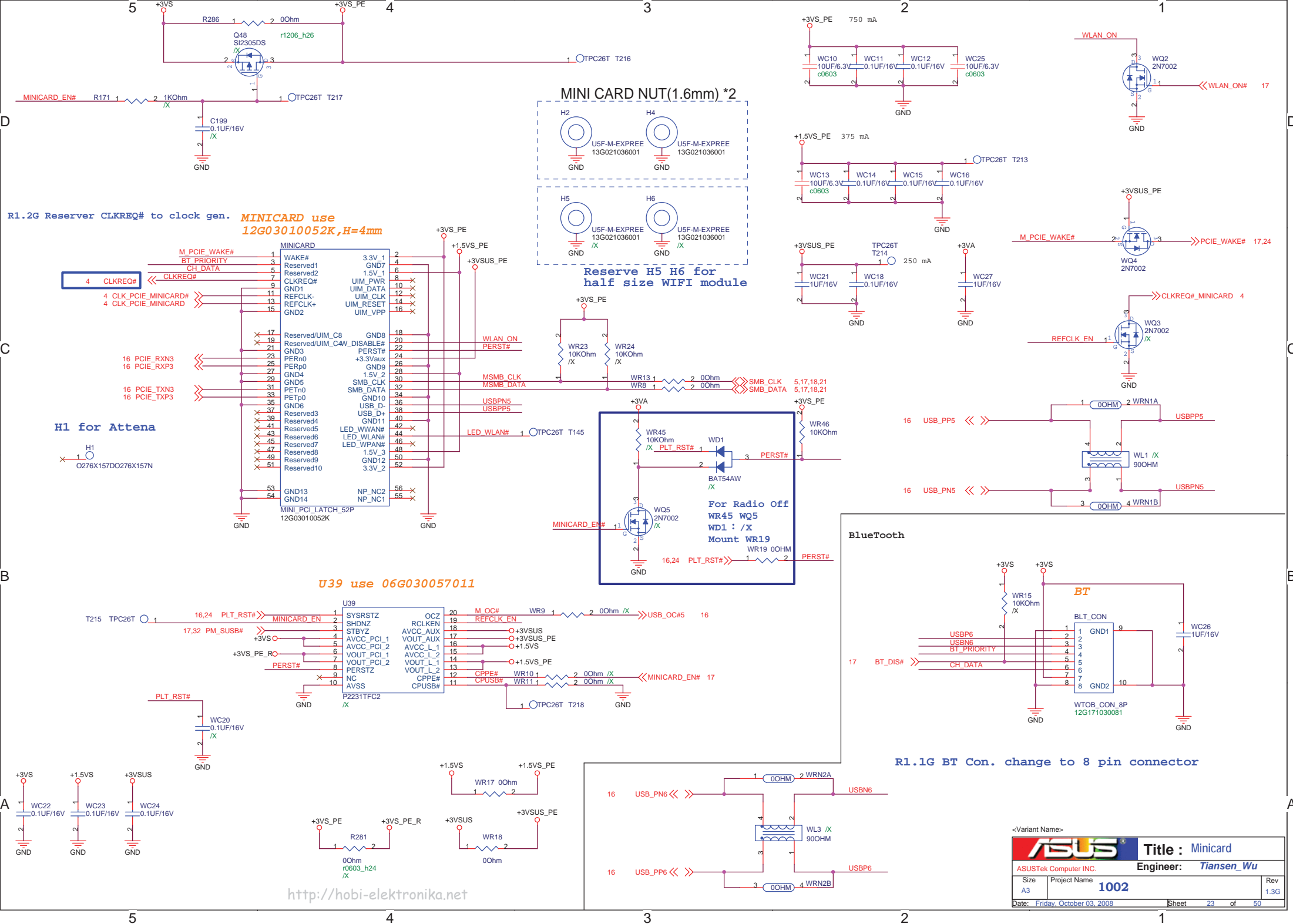
Size
A3

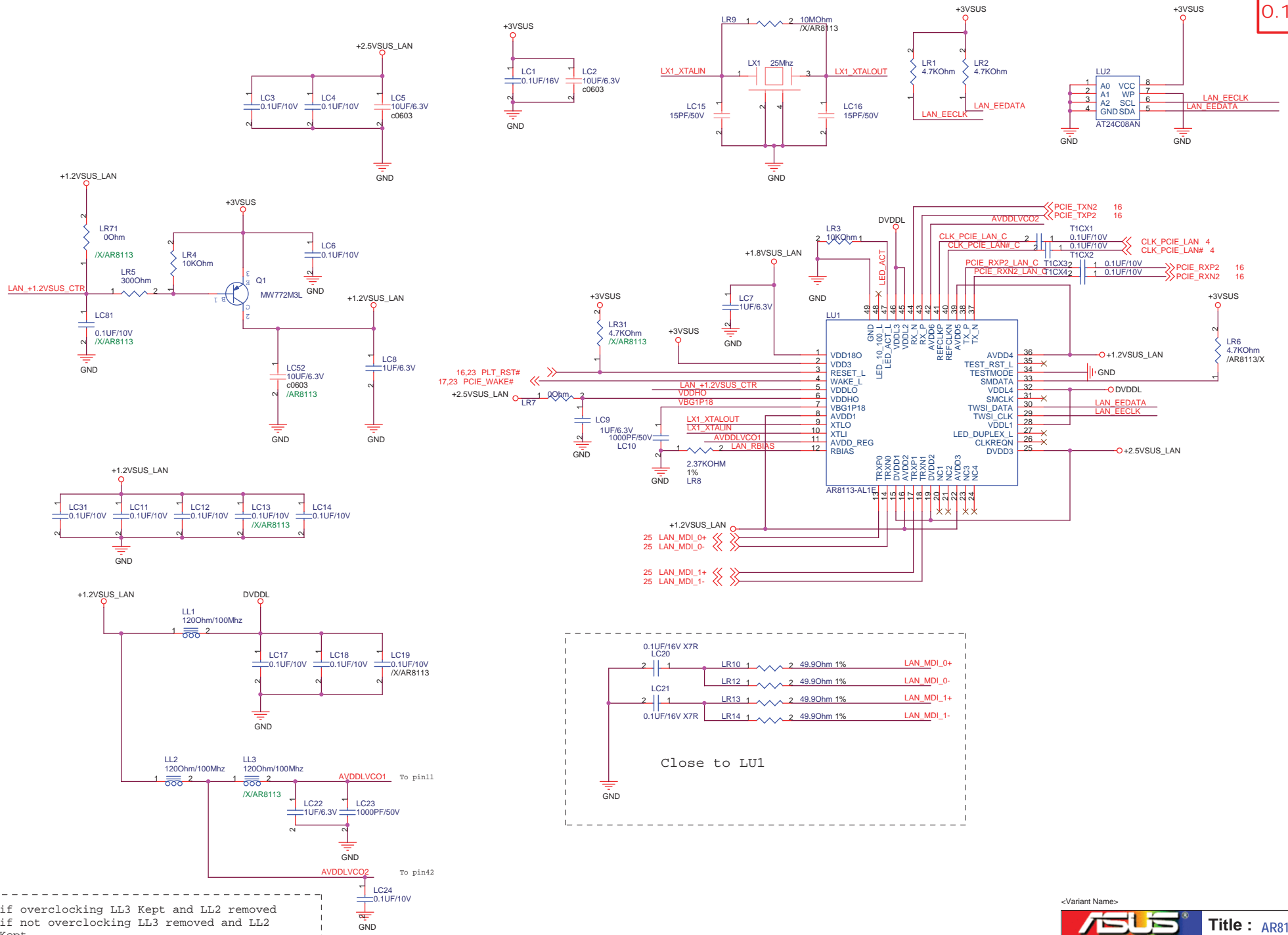
Project Name	1002
--------------	------

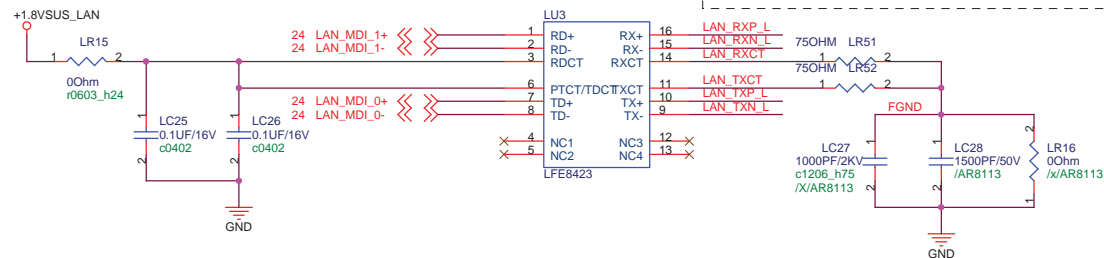
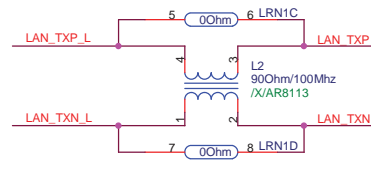
Rev	1.3G
-----	------

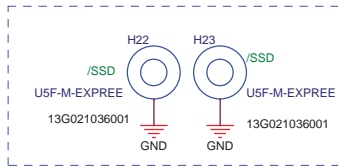
Date: Friday, October 03, 2008

Sheet 22 of 50

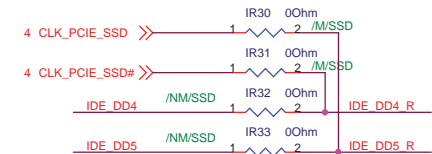
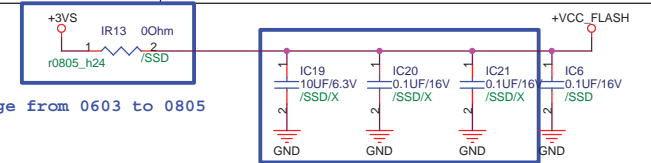




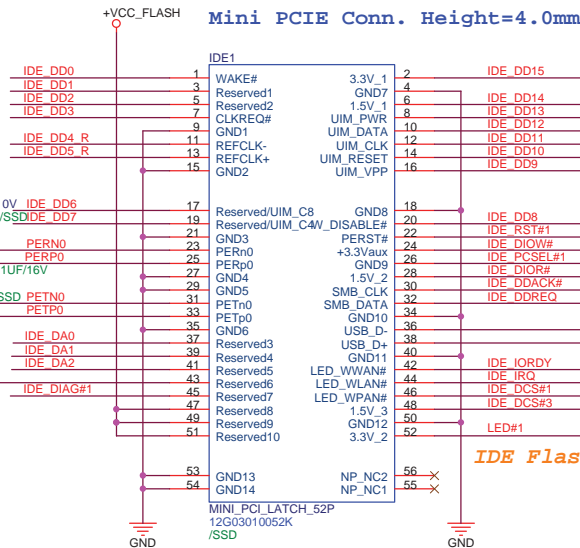




R1.2G Change from 0603 to 0805



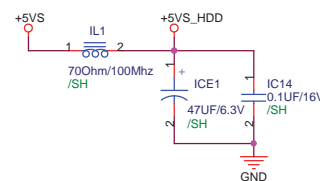
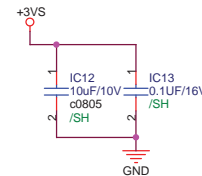
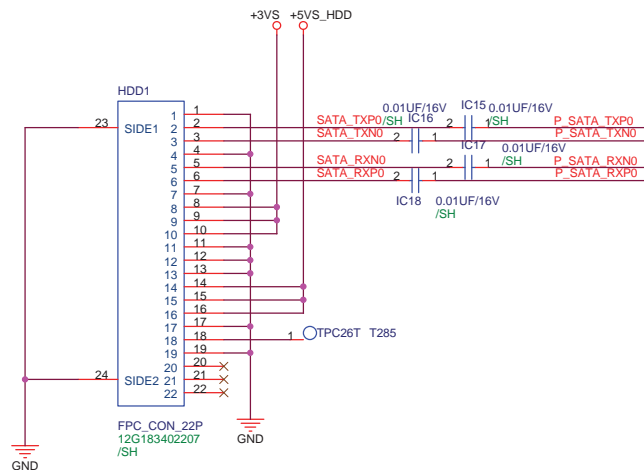
SATA Interface for J
PCIe Interface for M



IDE Flash LED

SATA HDD Connector

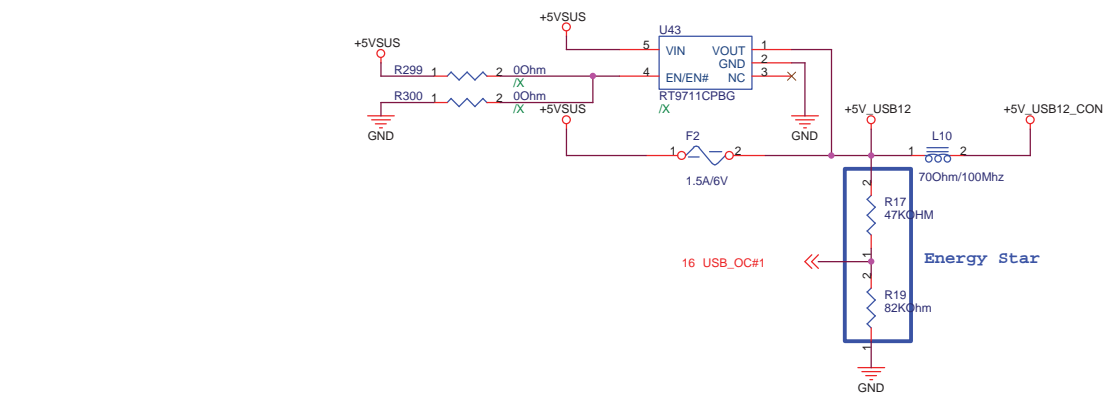
FPC Connector with Mylar /SH for SATA HDD



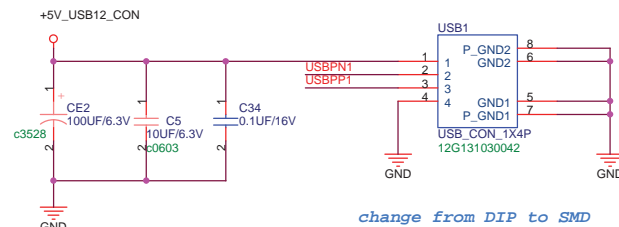
HD Master/Slave:
Master:Low
Slave :NC or
High

Naming Rule:
IC:IU?
R:IR?
C:IC?
L:IL?

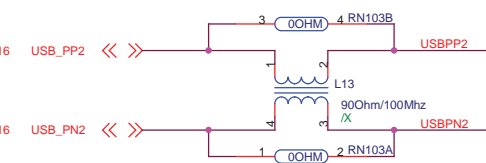
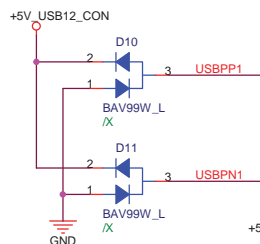
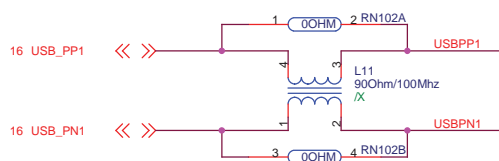
ASUS®		Title : HD + Flash Conn	
ASUSTek Computer INC.		Engineer: Kell_Huang	
Size	Project Name	Rev	
A3	1002	1.3G	
Date: Friday, October 03, 2008		Sheet	26 of 50



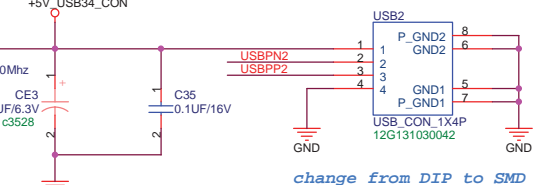
1.1G change USB con. to 12G131030042



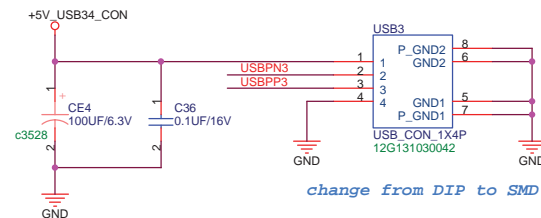
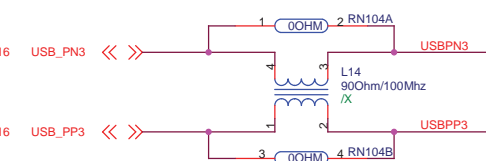
1.1G change CE2 CE3 CE4 to POSCAP, 100uF/6.3V



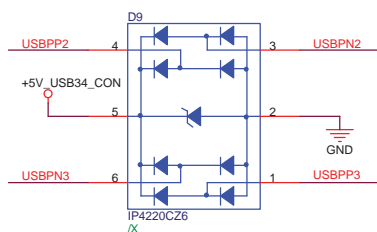
Energy Star



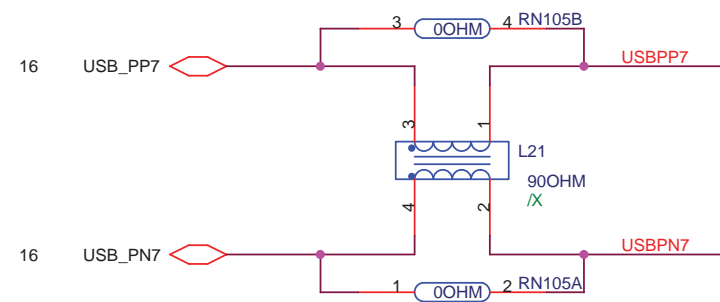
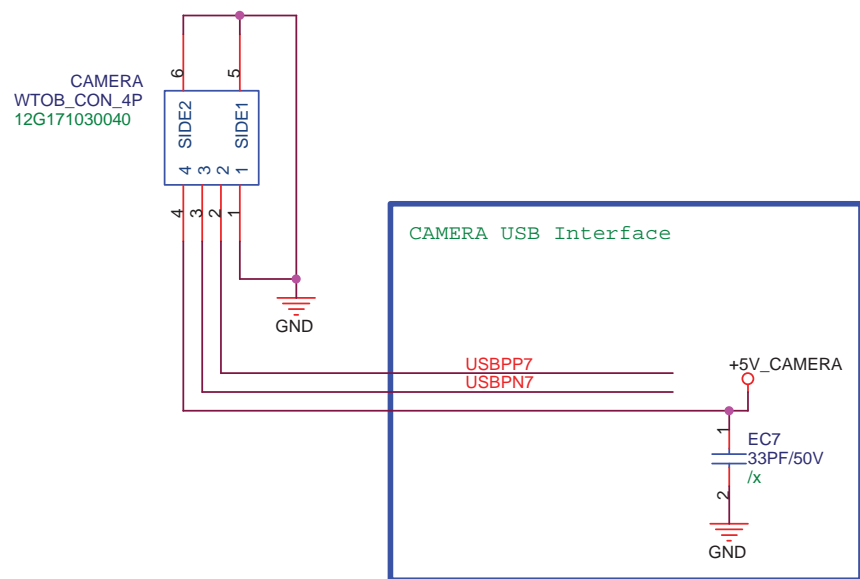
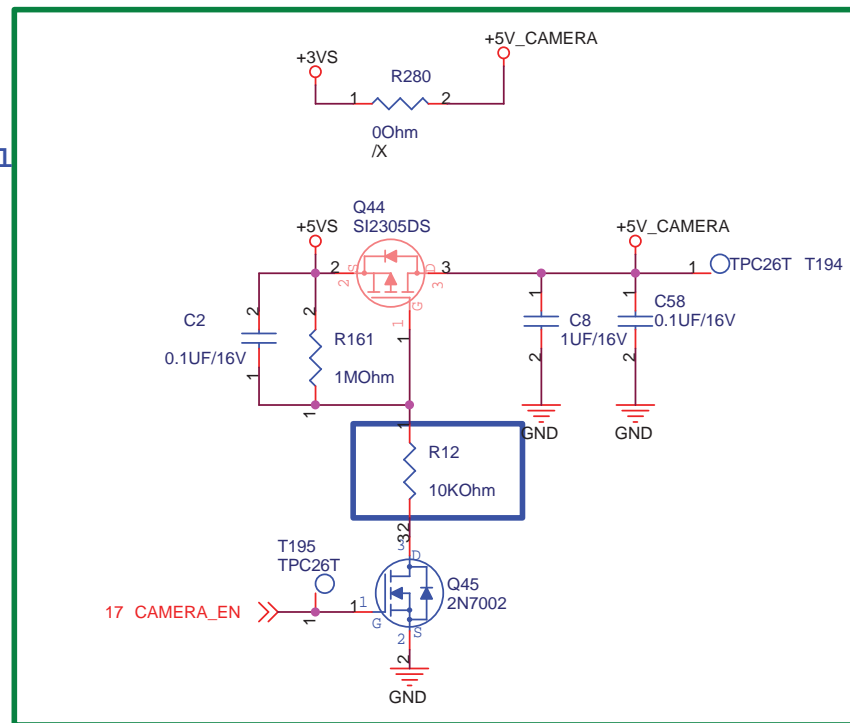
change from DIP to SMD



change from DIP to SMD

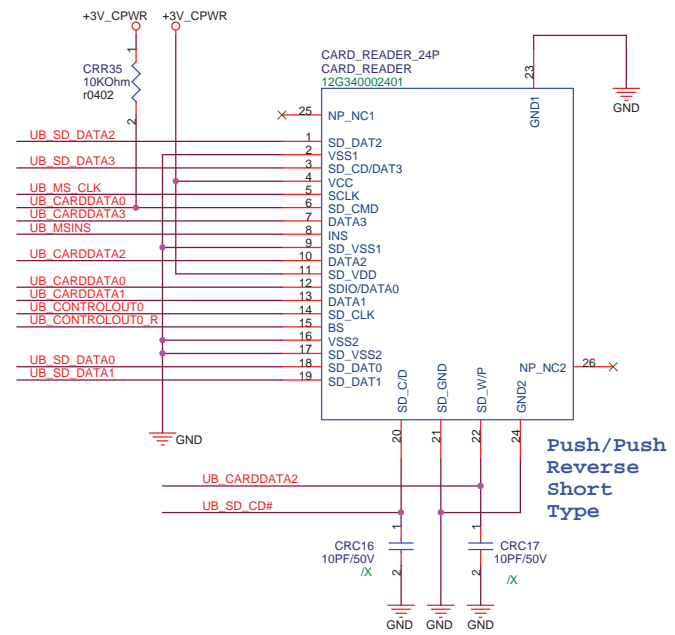
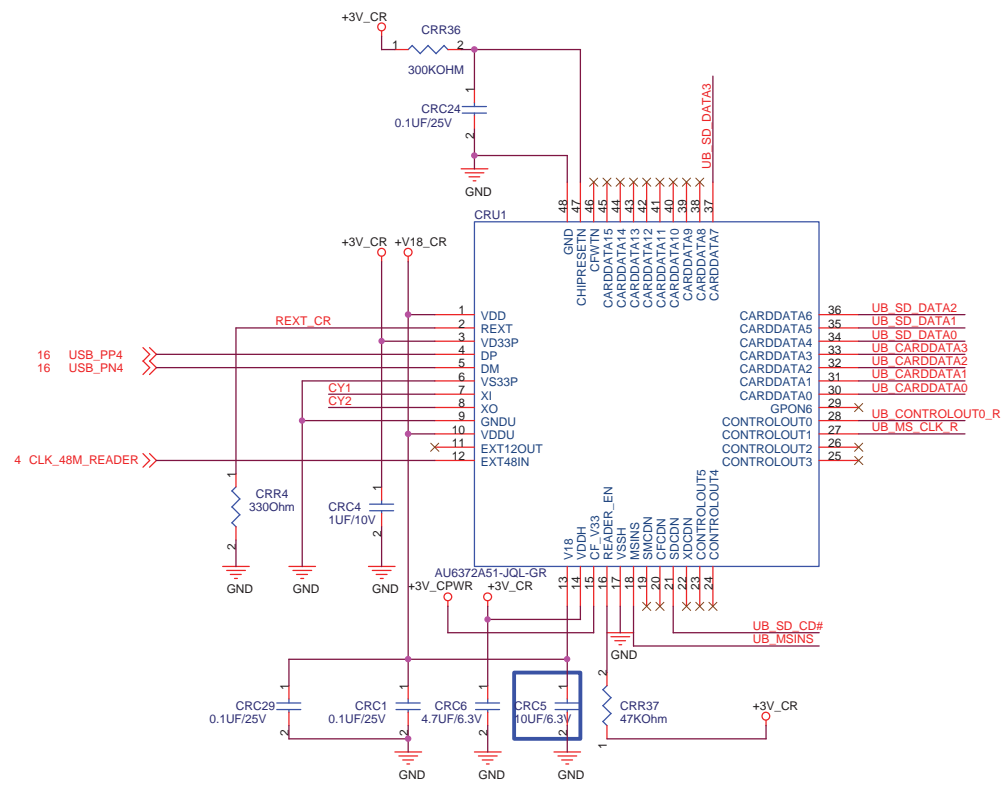


Power Control



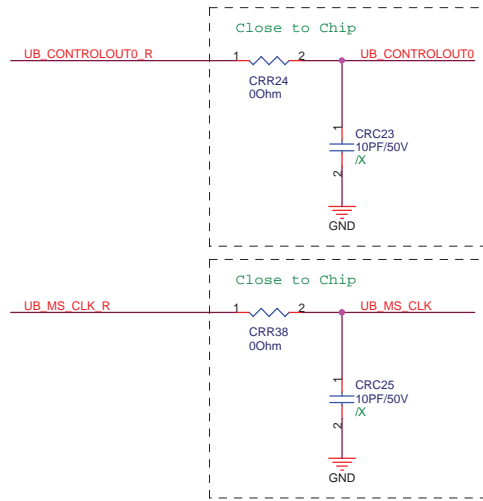
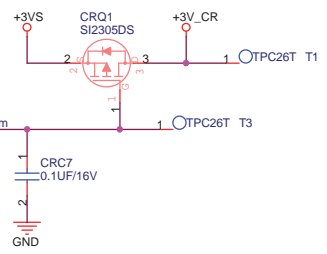
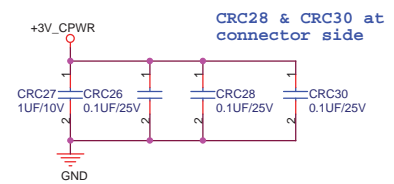
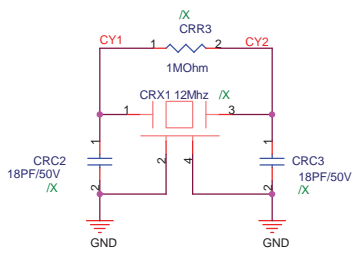
<Variant Name>

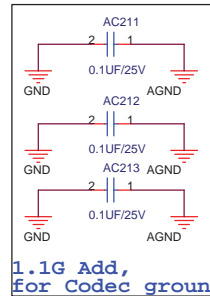
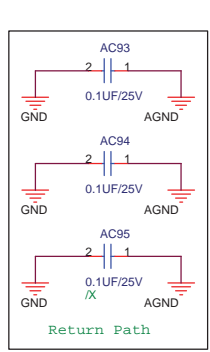




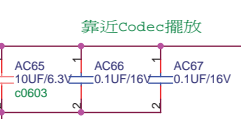
SDWP: Internal Pull-up
SDCDN: Internal Pull-up
SDWP = 1 Write protect
SDWP = 0 Write-able
SDCDN = 1 No card
SDCDN = 0 Card inserted

Card Insert: Pin.20 and Pin.21 are Shorted.
Card not Insert: Pin.20 and Pin.21 are Opened.
Write Protect: Pin.22 and Pin.21 are Opened.
Write Enable: Pin.22 and Pin.21 are Shorted.

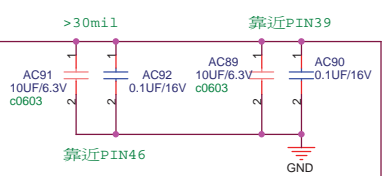




1.1G Add,
for Codec ground ring



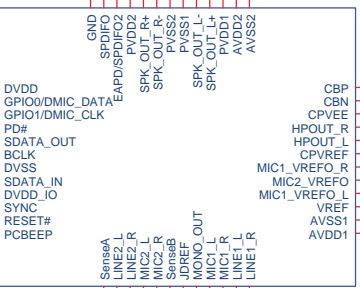
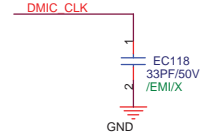
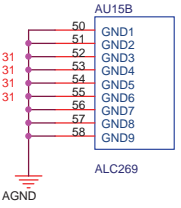
靠近Codec擺放



靠近PIN46

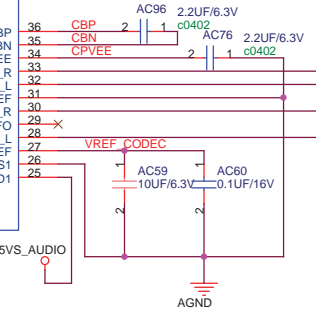
靠近PIN39

+5VS_AUDIO

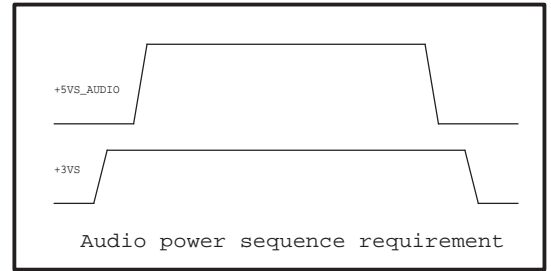


02G611005001 in the BOM

1.1G AC96 AC76 change to 0402 type



Analog: Pin.13~Pin.38
Digital: Pin.1~Pin.12
and Pin.39~Pin.48



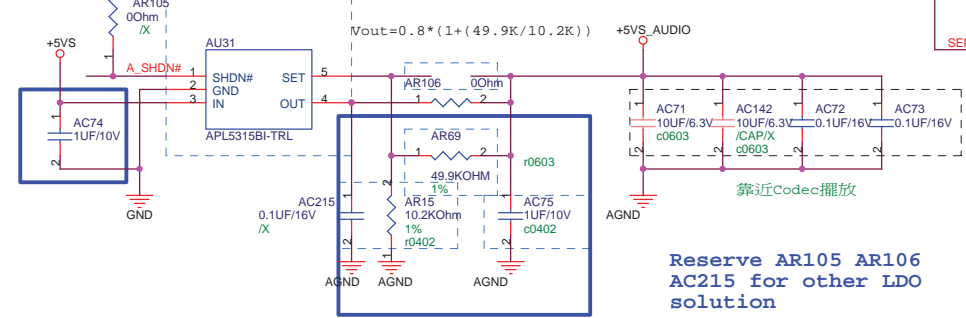
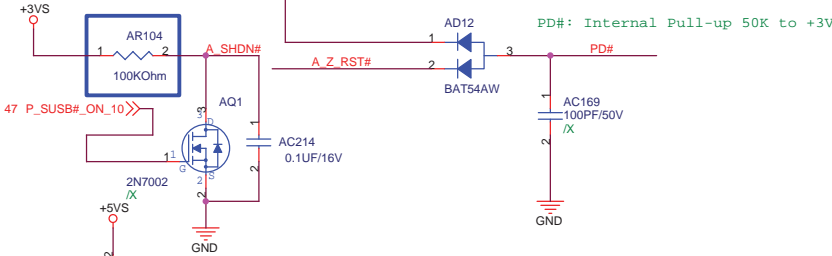
15 A_Z_SDOUT
15,41 A_Z_BITCLK

15 A_Z_SDINO

15 A_Z_SYNC
15 A_Z_RST#

17 SB_SPKR
32 OP_SD#

OP_SD#: Controlled by
EC to power down
Class-D speaker amp.



Reserve AR105 AR106
AC215 for other LDO
solution

For Audio Noise Issue

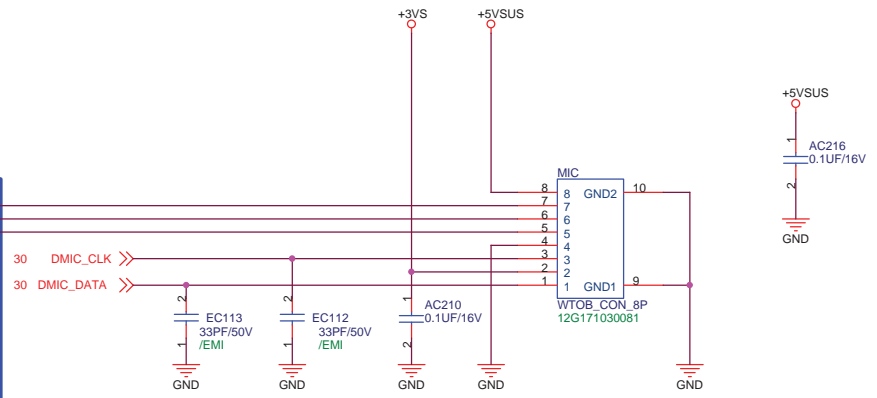
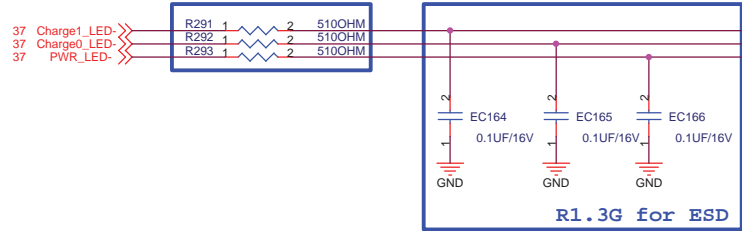


<Variant Name>		Title : ALC269-1	
ASUSTek Computer Inc.		Engineer: Mick	
Size	Project Name	Rev	
A3	1002	1.3G	
Date: Friday, October 03, 2008	Sheet	30	of 50

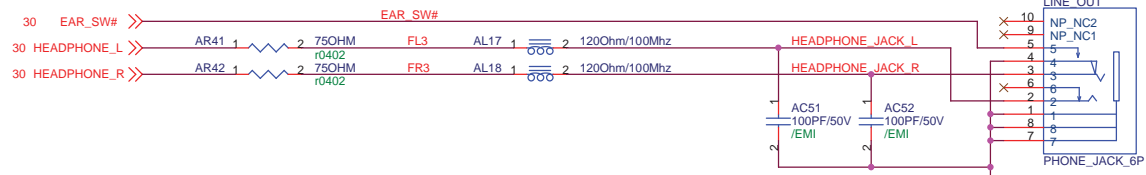
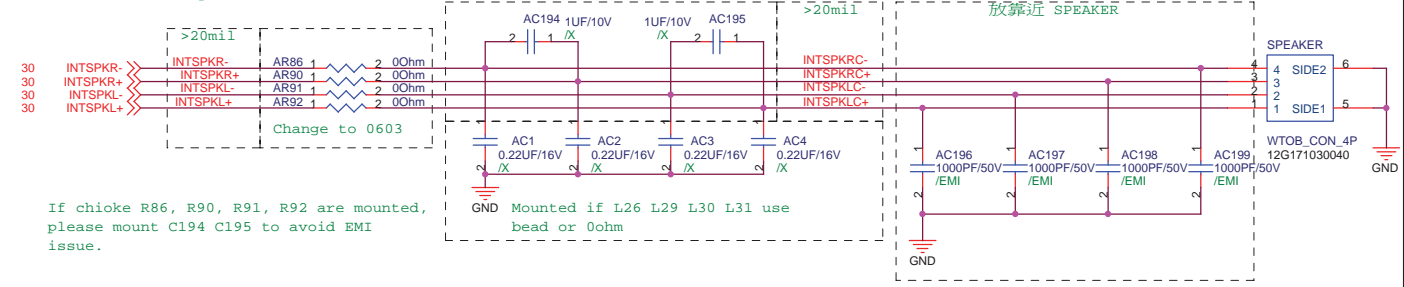
1.1G add PWR LED and Charge LED

DMIC Cable length should be less 30cm

Change R291 R292 R293 to 510 Ohm



Total length from speakerR+- L+- (pin40 41 44 45) to internal speaker please as short as possible(<20cm is better)



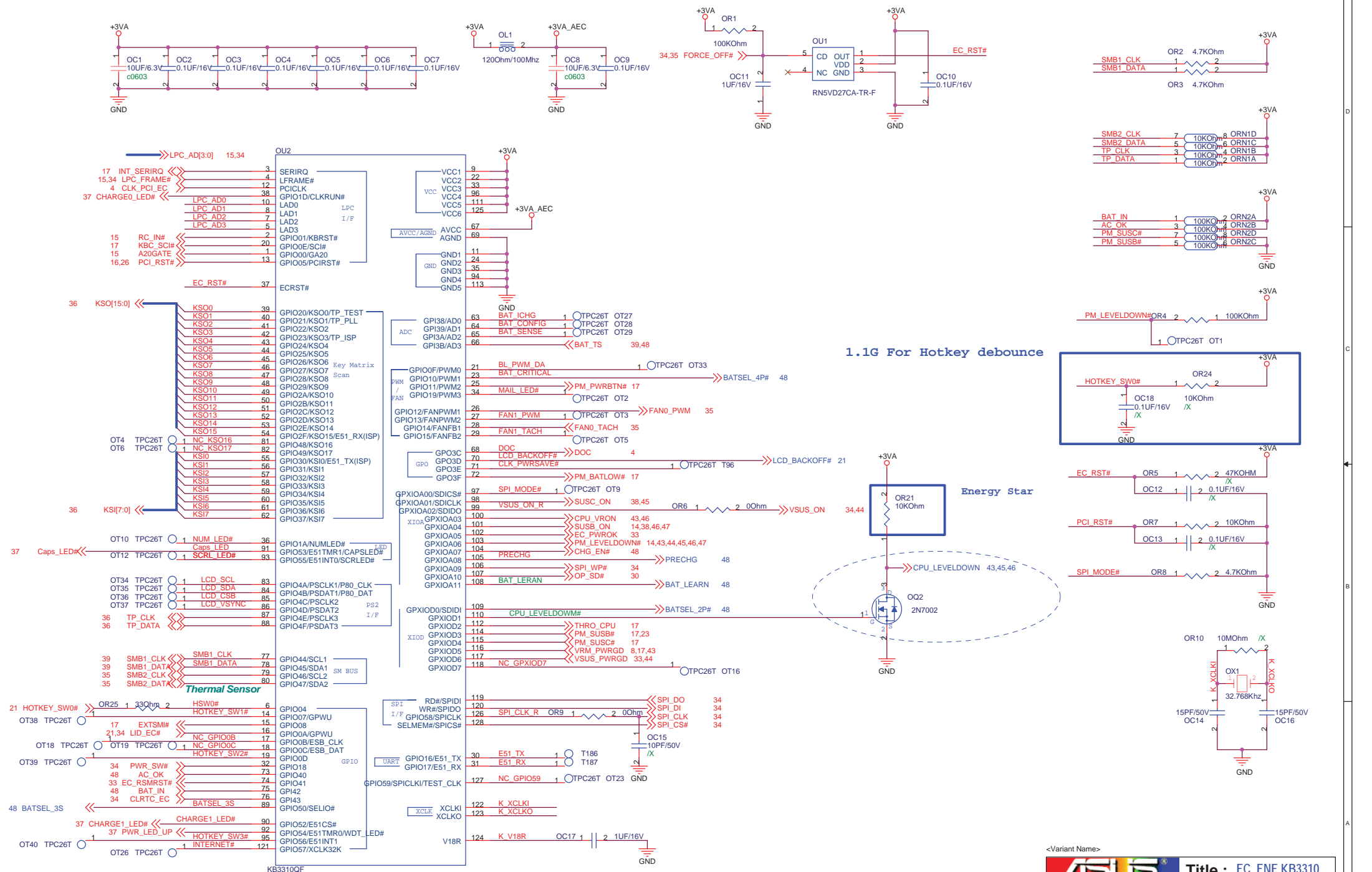
1.1G Change audio con. to black
change from DIP to SMD

MIC JACK use
12G14050106P(SINGATRON)
Black

1.1G Change audio con. to black
change from DIP to SMD

R70 and R71: If don't need retasking function, change to 1K.

<Variant Name>		Title : ALC269-2	
ASUSTek Computer Inc.		Engineer: MICK	
Size A3	Project Name 1002	Rev 1.3G	
Date: Friday, October 03, 2008		Sheet 31	of 50

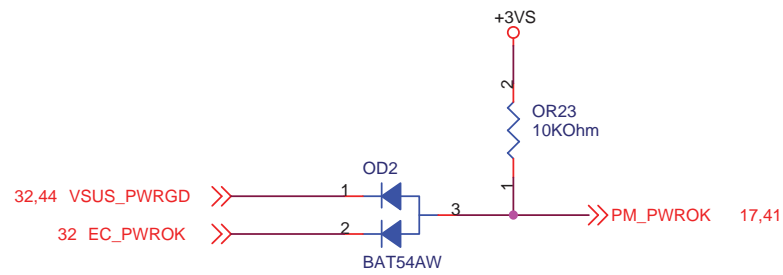
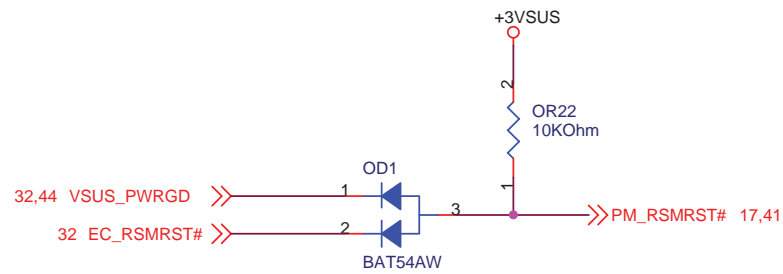


OR25 1.1G For Hotkey debounce
HOTKEY_SW0# - HOTKEY_SW3# internal PU


<http://hobi-elektronika.net>

<Variant Name>

ASUS		Title : EC_ENE KB3310	
ASUSTek Computer INC.		Engineer: Keil_Huang	
Size A3	Project Name 1002	Rev 1.3G	
Date: Friday, October 03, 2008		Sheet	32 of 50



<Variant Name>

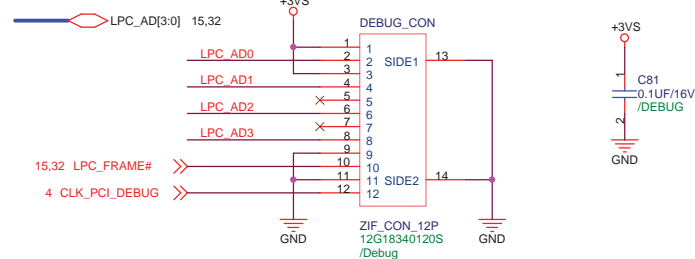
		Title : EC_UART_KC3820	
ASUSTek Computer INC.		Engineer: Kell_Huang	
Size A4	Project Name 1002		Rev 1.3G
Date: Friday, October 03, 2008		Sheet 33 of 50	

prevent system power on when LCD close

H152&H154 : Pad for EMI

prevent system auto power on when CMOS clear

For Debug

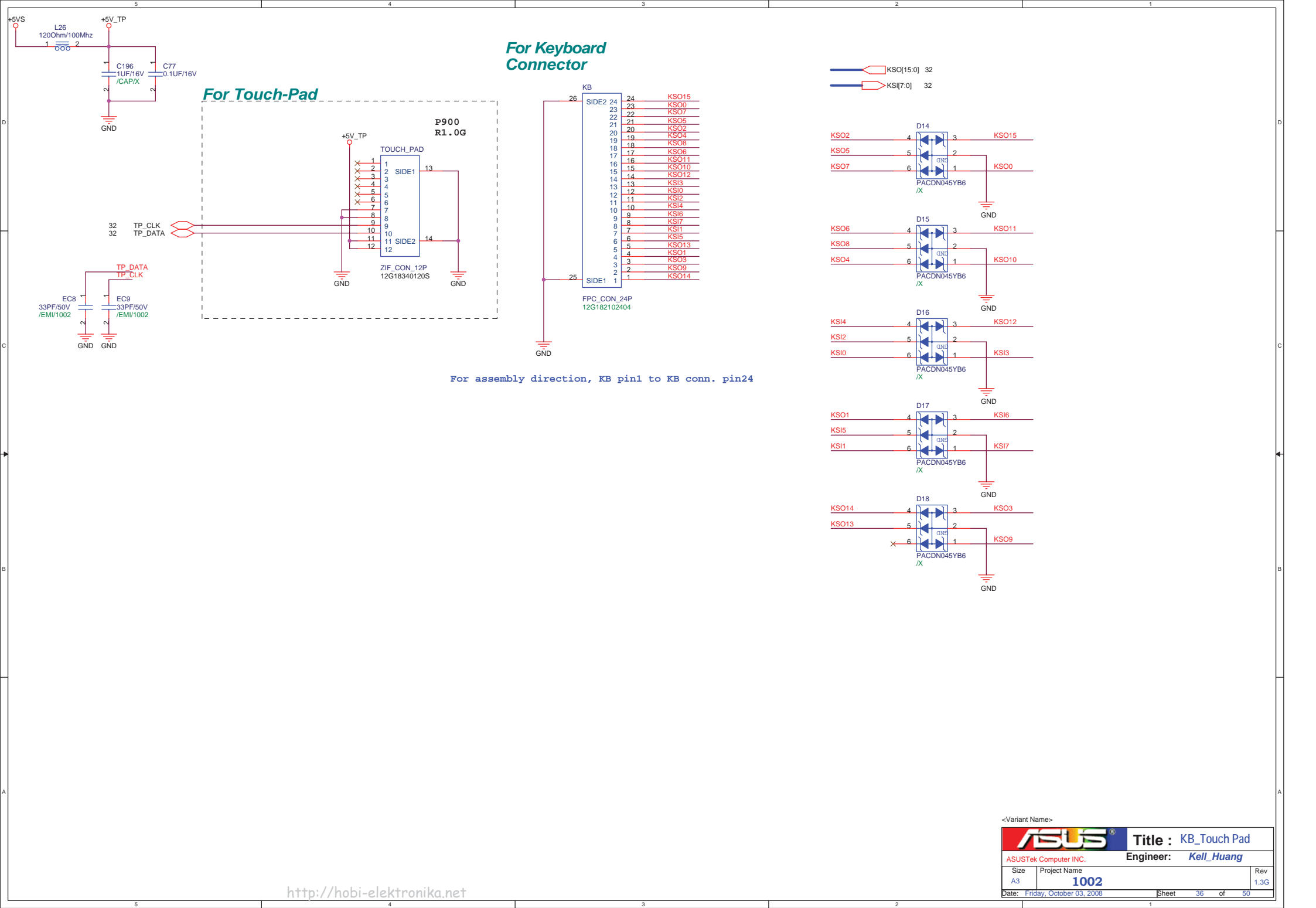


Debug Card cable use Z96 Touch Pad cable, P/N:
14G124110126, 14G124110120, 14G124110121
14G124110124, 14G124110125

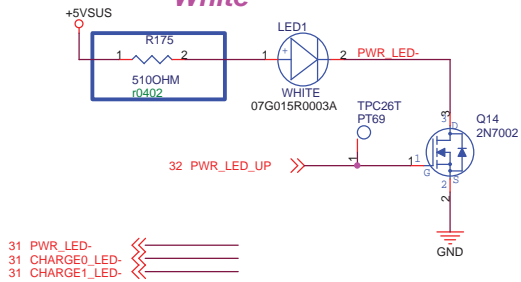
<http://hobi-elektronika.net>

U18 use 05G001002900
& 05G00100F130

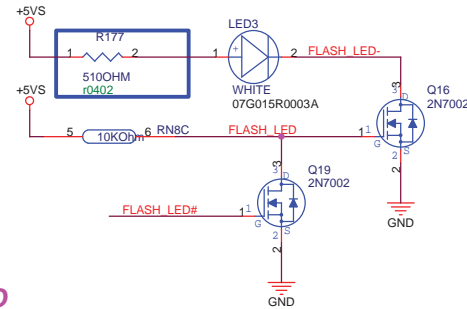
ASUS		Title : Switch_SPI ROM_Debug	
ASUSTek Computer INC.		Engineer: Keli_Huang	
Size	A3	Project Name	1002
Date:	Friday, October 03, 2008	Sheet	34 of 50



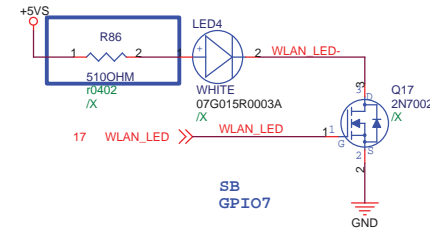
for POWER LED White



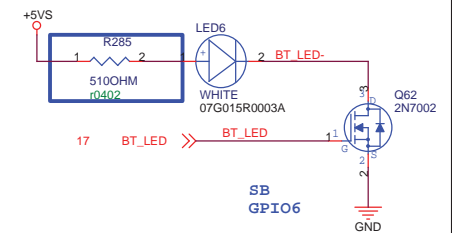
for FLASH LED White



White /X

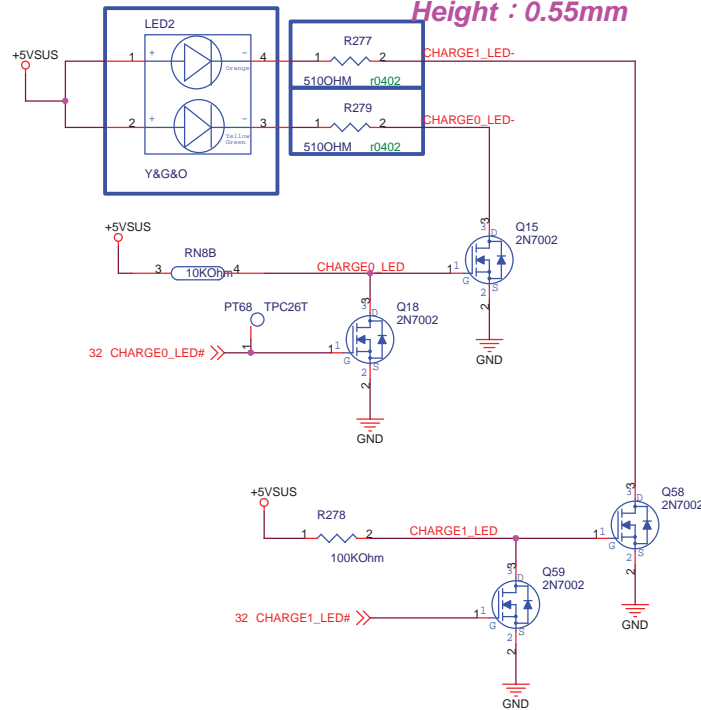


for WIFI/BlueTooth LED White

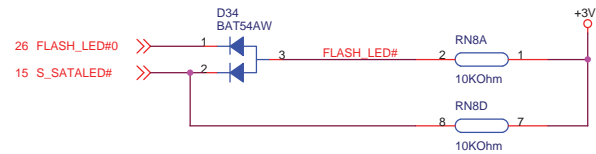


1.1G change to EVERLIGHT

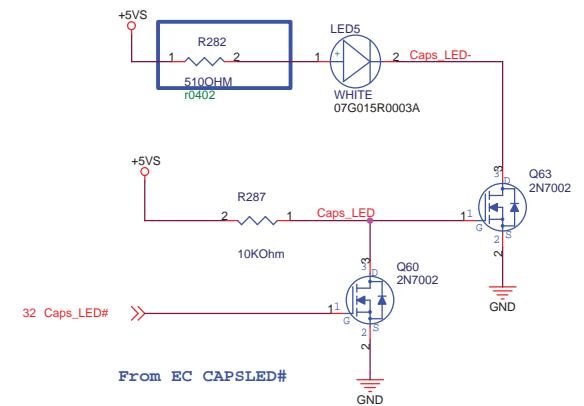
for CHARGE LED Height : 0.55mm



Change LED resistor to 510 Ohm, about 4mA



for Caps Lock LED White



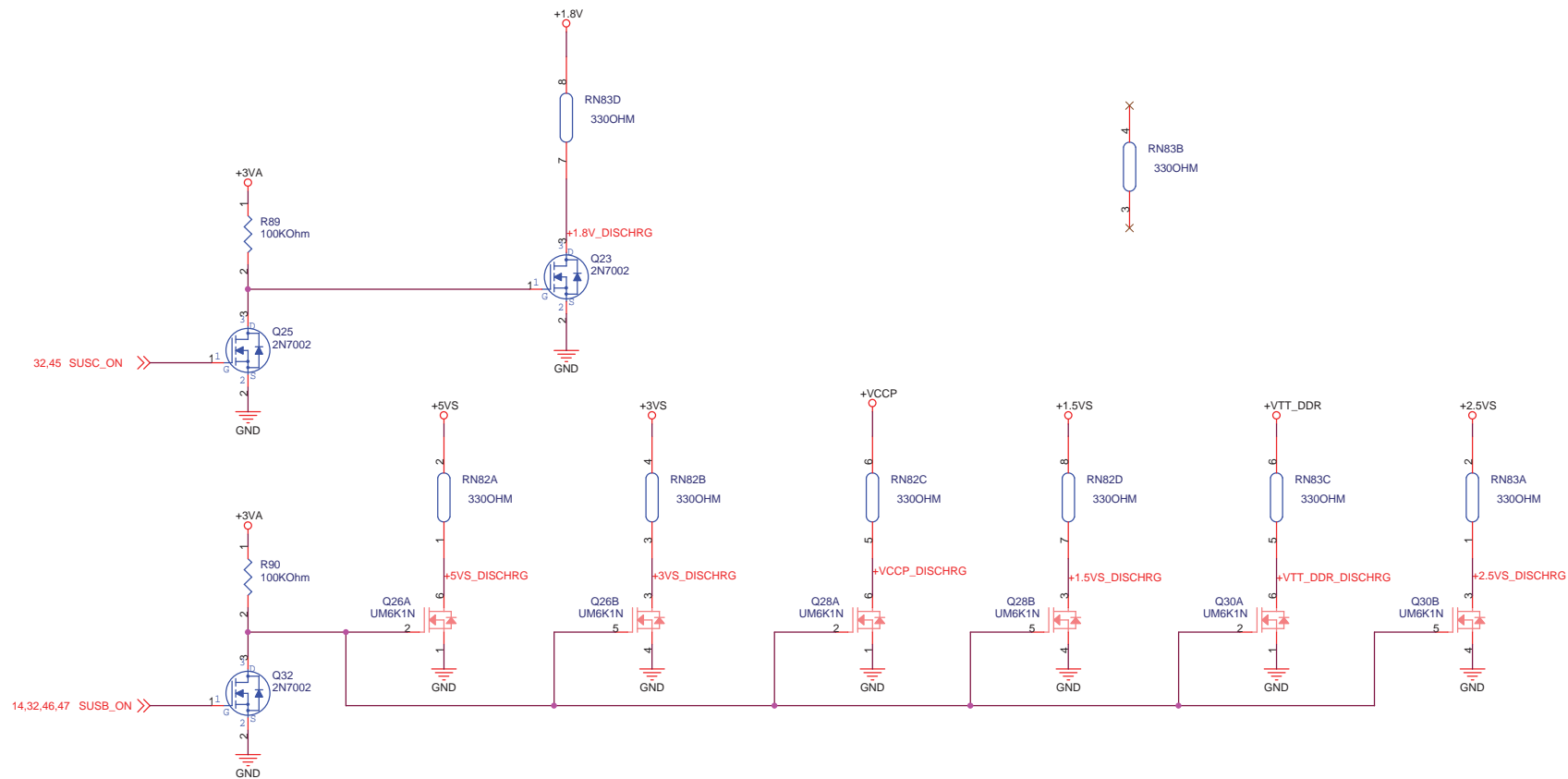
The battery charge indicator (LED) shows the status of the battery's power as follows:

scenario	Adapter mode	Battery mode
Battery power is between 100%~80%	Orange ON	Green ON
Battery power is between 80%~10%	Orange Blinking Slowly	Green Blinking Slowly
Battery power is less than 10%	Orange Blinking Quickly	Green Blinking Quickly
S3/S5 Mode	Scenario the same as above	Off

Note: The BATTERY LED should be off when the machine has no battery attached

<Variant Name>

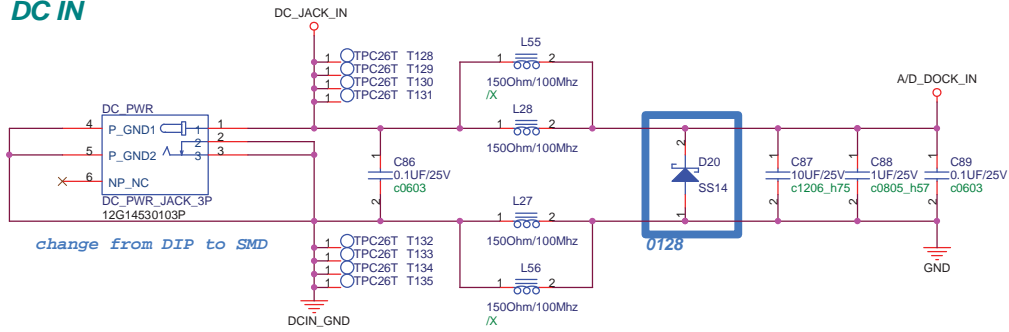
ASUS		Title : LED	
ASUSTek Computer INC.		Engineer: Kell_Huang	
Size A3	Project Name 1002	Rev 1.3G	
Date: Friday, October 03, 2008	Sheet 37 of 50		



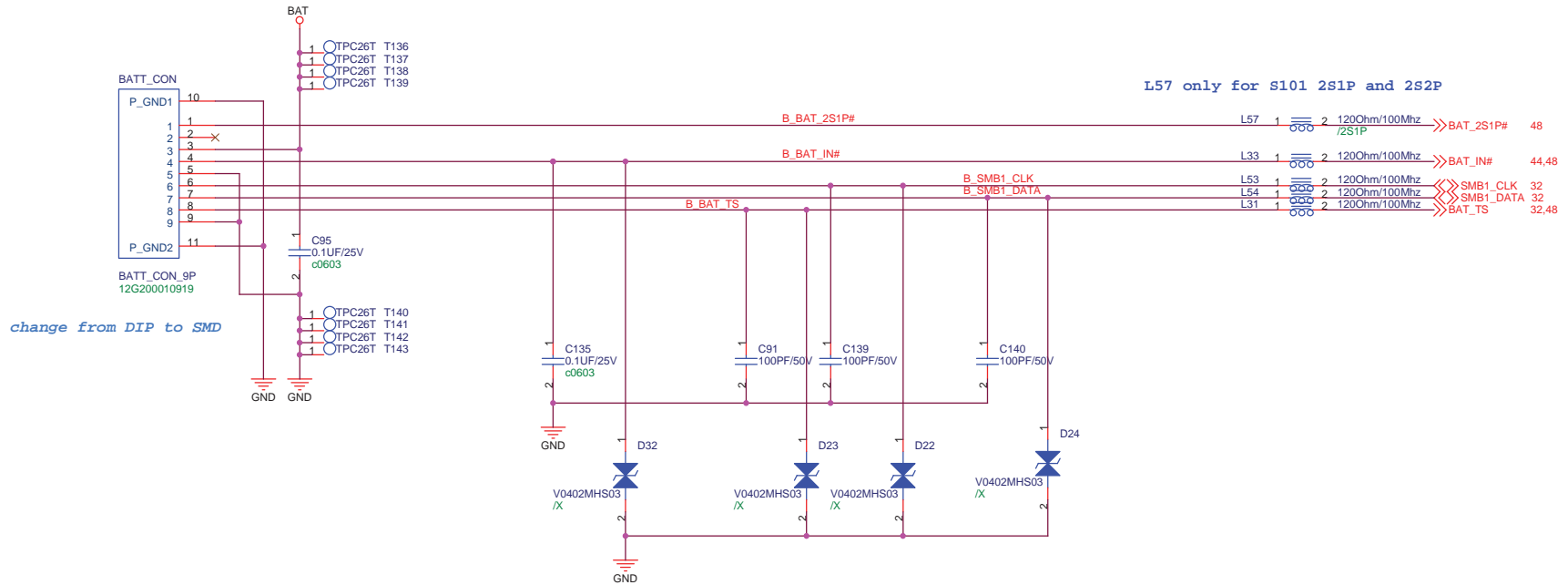
<Variant Name>

ASUS		Title : Discharge	
ASUSTek Computer INC.		Engineer: <i>Kell_Huang</i>	
Size	Project Name		Rev
A3	1002		1.3G
Date: Friday, October 03, 2008	Sheet	38 of 50	

DC IN

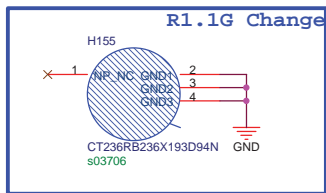
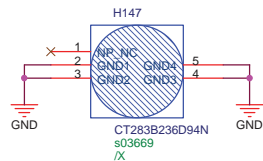
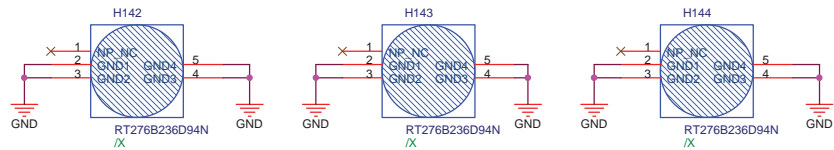
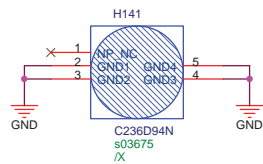
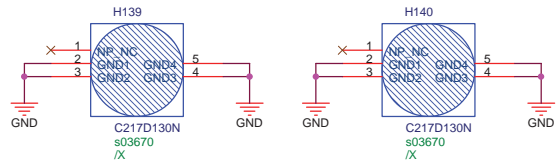
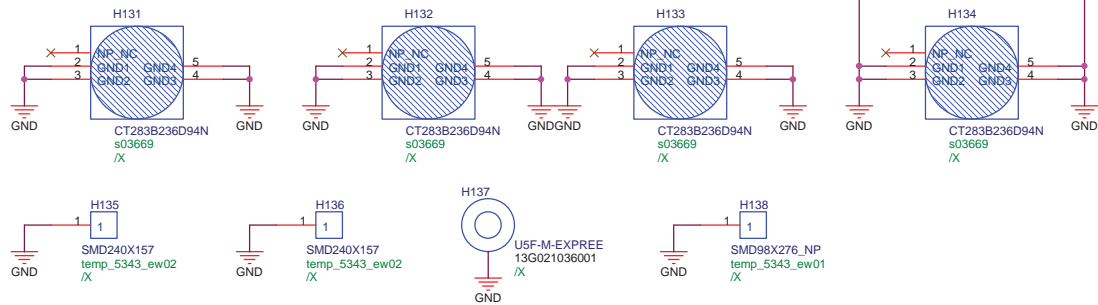


BAT IN



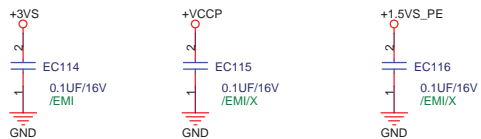
<Variant Name>

ASUS		Title : PWR Jack	
ASUSTek Computer INC.		Engineer: Kell_Huang	
Size A3	Project Name 1002	Date: Friday, October 03, 2008	Rev 1.3G
Sheet 39 of 50			

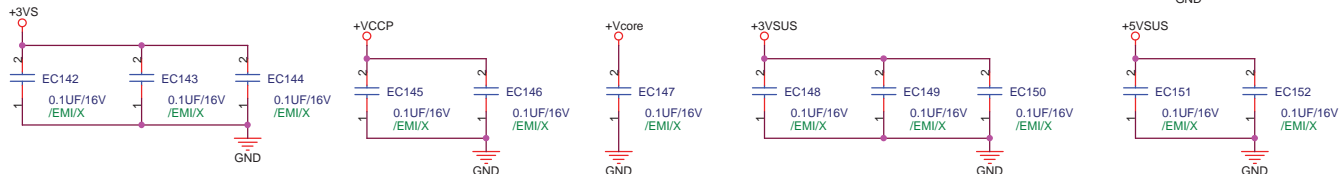
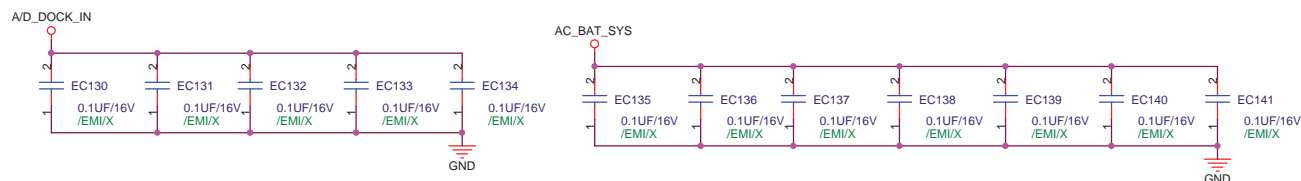
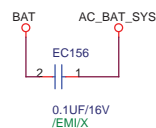
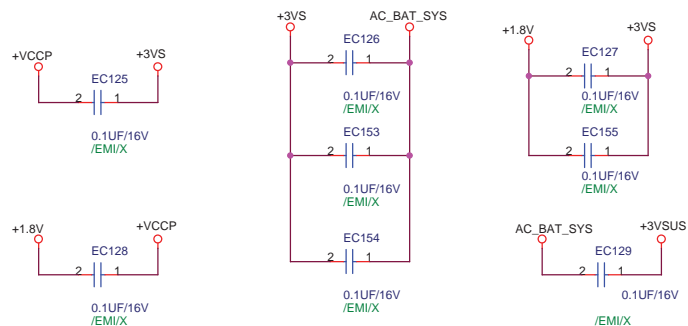
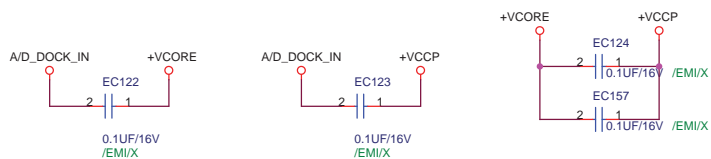
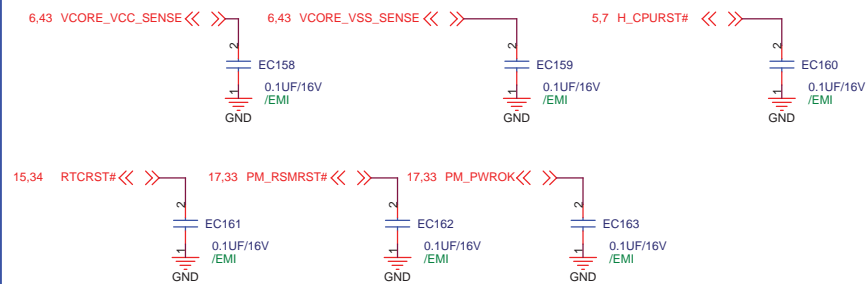


<Variant Name>

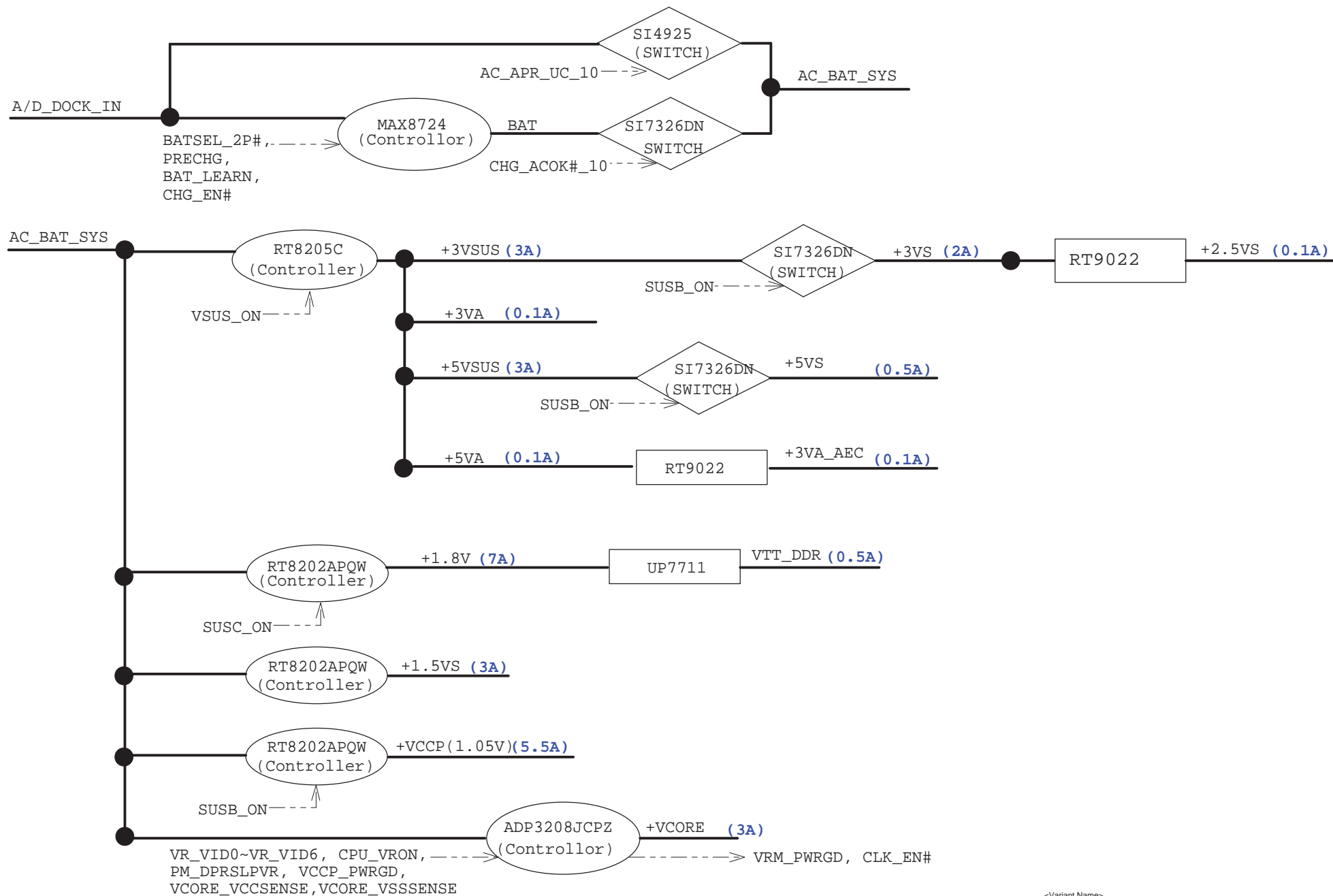
ASUS		Title : Screw Hole	
ASUSTek Computer INC.		Engineer: <i>Kell_Huang</i>	
Size	Project Name		Rev
A3	1002		1.3G
Date: Friday, October 03, 2008		Sheet	40 of 50

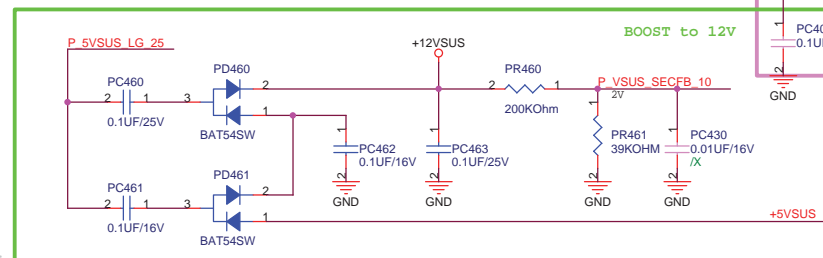
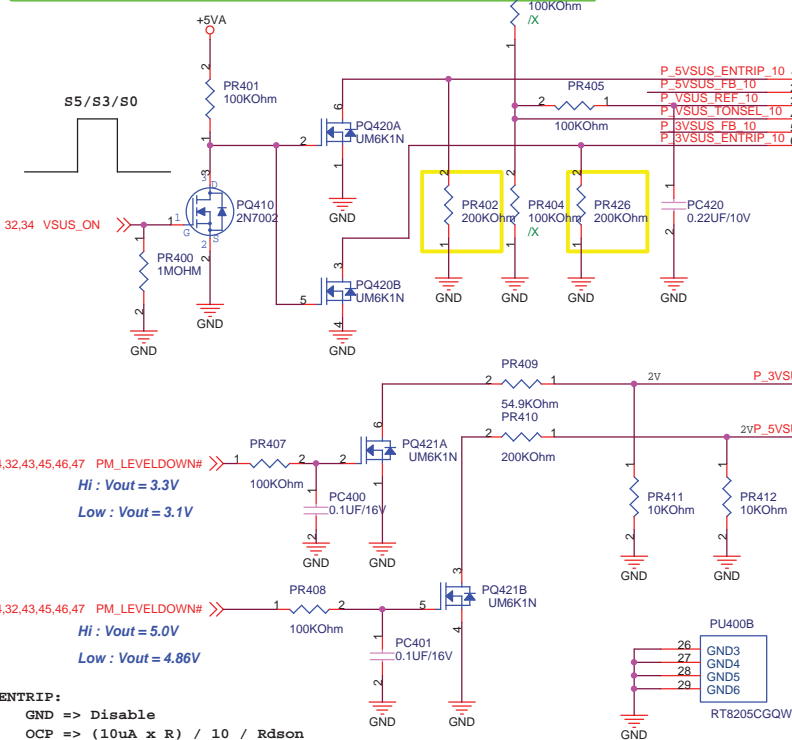
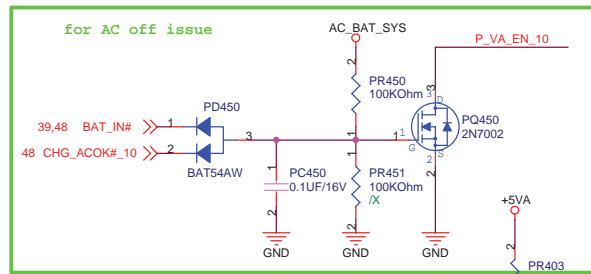


1.3G For ESD



<Variant Name>		ASUS®		Title : EMI	
ASUSTek Computer INC.		Engineer: Kell_Huang			
Size	Project Name			Rev	
A3	1002			1.3G	
Date: Friday, October 03, 2008		Sheet	41	of	50





<Variant Name>

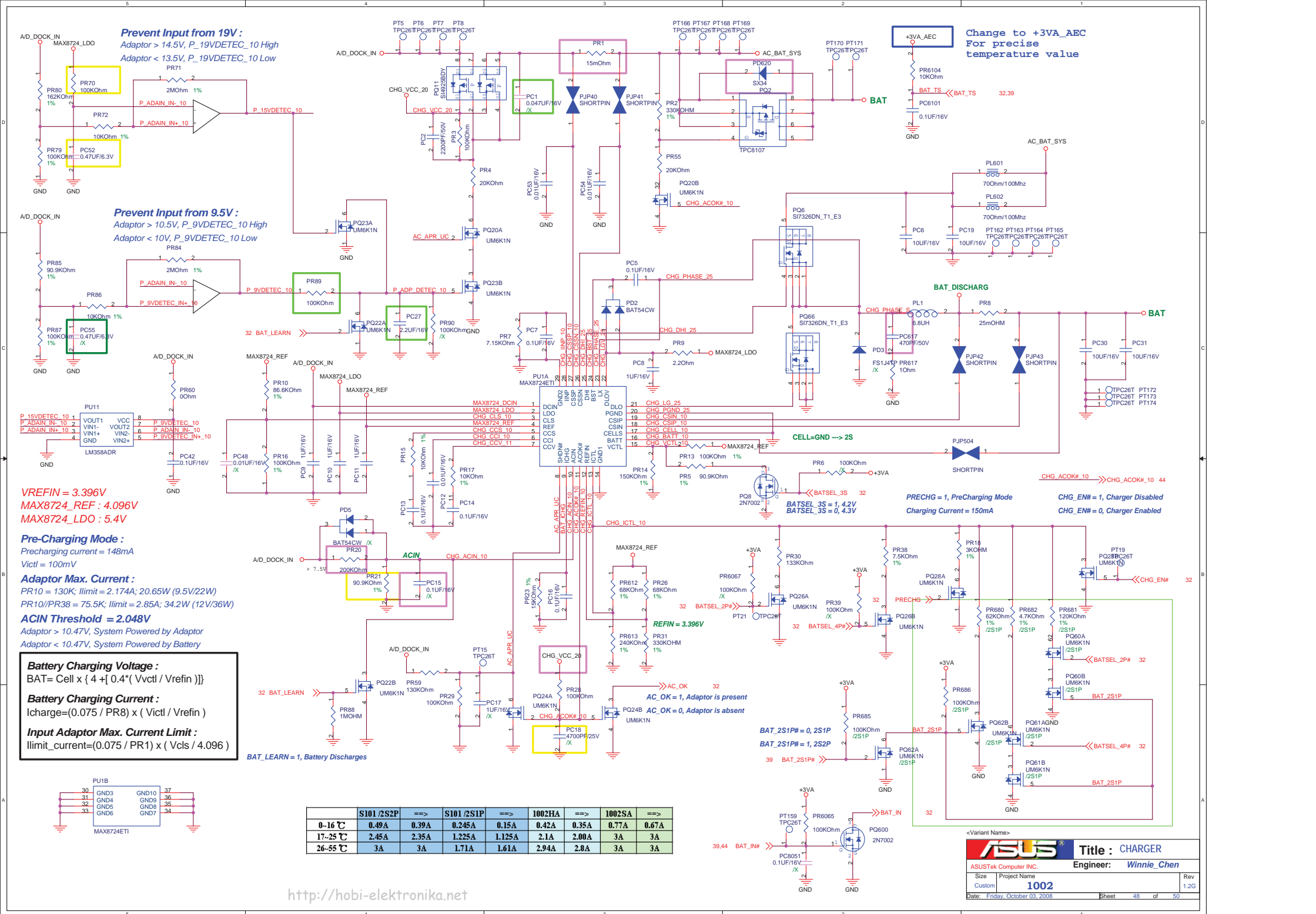
ASUS		Title: +3VSUS & +5VSUS & +3VA	
ASUSTek COMPUTER INC		Engineer: N/A	
Size	Project Name	Rev	
A3	1002	1.3G	
Date: Friday, October 03, 2008		Sheet 44 of 50	

[illegible]

<Variant Name>

		Title : VCCP	
ASUSTek Computer INC.		Engineer: Joy_Zhou	
Size A3	Project Name 1002	Rev 1.3G	
Date: Friday, October 03, 2008		Sheet 46 of 50	

PM_LEVELDOWN#	CPU_LEVELDOWN	CPU_LEVELDOWN#	Voltage	Status
L	L	H	0.9V	Power Saving
H	L	H	1.048V	Normal
H	H	L	1.157V	Performance
L	H	L	1.072V	N/A



EC KB3310 GPIO SETTING

Pin	Pin Name	Signal Name	Type	Note
1	GPIO00/GA20	A20GATE	O	
2	GPIO01/KBRST#	RC_IN#	O	
6	GPIO04	HOTKEY_SW0#	I	Internal pull high
13	GPIO05/PCIRST#	PCI_RST#	I	
14	GPIO07	HOTKEY_SW1#	I	Internal Pull Up
15	GPIO08	EXTSMH#	OD	10K ohm Pull Up to +3VSU
16	GPIO0A	LID_EC#	I	Internal pull high
17	GPIO0B/ESB_CLK	NC	O	
18	GPIO0C/ESB_DAT	NC	O	
19	GPIO0D	HOTKEY_SW2#	I	Internal pull high
20	GPIO0E/SC#	KBC_SC#	OD	10K ohm Pull Up to +3VSUS
21	GPIO0F/PWM0	BL_PWM_DA	O	
23	GPIO10/PWM1	BATSEL_4P#	O	Battery charging current setting
25	GPIO11/PWM2	PM_PWRBTN#	OD	Internal pull high in ICH
26	GPIO12/FANPWM1	FAN0_PWM	O	CPU Fan
27	GPIO13/FANPWM2	FAN1_PWM	O	VGA Fan
28	GPIO14/FANFB1	FAN0_TACH	I	CPU FanTach
29	GPIO15/FANFB2	FAN1_TACH	I	VGA FanTach
30	GPIO16/E51_TX	E51_TX	O	RS232 debug port
31	GPIO17/E51_RX	E51_RX	O	RS232 debug port
32	GPIO18	PWR_SW#	I	Internal pull high
34	GPIO19/PWM3	MAIL_LED#	O	
36	GPIO1A/NUMLED	NUM_LED#	O	
38	GPIO1D/CLKRUN#	NC	O	
39	GPIO20/KSO0/TP_TEST	KSO0	O	
40	GPIO21/KSO1/TP_PLL	KSO1	O	
41	GPIO22/KSO2	KSO2	O	
42	GPIO23/KSO3	KSO3	O	
43	GPIO24/KSO4	KSO4	O	
44	GPIO25/KSO5	KSO5	O	
45	GPIO26/KSO6	KSO6	O	
46	GPIO27/KSO7	KSO7	O	
47	GPIO28/KSO8	KSO8	O	
48	GPIO29/KSO9	KSO9	O	
49	GPIO2A/KSO10	KSO10	O	
50	GPIO2B/KSO11	KSO11	O	
51	GPIO2C/KSO12	KSO12	O	
52	GPIO2D/KSO13	KSO13	O	
53	GPIO2E/KSO14	KSO14	O	
54	GPIO2F/KSO15	KSO15	O	
55	GPIO30/KSI0	KSI0	I	Internal pull high
56	GPIO31/KSI1	KSI1	I	Internal pull high
57	GPIO32/KSI2	KSI2	I	Internal pull high
58	GPIO33/KSI3	KSI3	I	Internal pull high
59	GPIO34/KSI4	KSI4	I	Internal pull high
60	GPIO35/KSI5	KSI5	I	Internal pull high
61	GPIO36/KSI6	KSI6	I	Internal pull high
62	GPIO37/KSI7	KSI7	I	Internal pull high
63	GPI38/AD0	BAT_ICHG	I	
64	GPI39/AD1	BAT_CONFIG	I	Battery configuration
65	GPIO3A/AD2	BAT_SENSE	I	Battery Voltage Sensor
66	GPIO3B/AD3	BAT_TS	I	Battery Thermal Sensor
68	GPO3C/DA0	DOC	O	Trigger Clock Gen


<http://hobi-elektronika.net>

EC KB3310 Other Pin SETTING

Pin	Pin Name	Signal Name	Type	Note
3	SERIRQ	INT_SERIRQ	I/O	10K pull high to +3V
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	100K pull high to +3VA_EC
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#/SPIDI	SPI_SO	I	
120	WR#/SPIDO	SPI_SI	O	
112	XCLKI	32KXCLKI	I	
123	XCLKO	32KXCLKO	O	
124	V18R	V18R	P	Reserved 1uF to GND
125	VCC	+3VA_EC	P	
128	SPICS#/SELMEM#	SPI_CE#	O	

Pin	Pin Name	Signal Name	Type	Note
70	GPO3D/DA1	LCD_BACKOFF#	O	
71	GPO3E/DA2	CLK_PWRSERVE#	O	
72	GPO3F/DA3	BAT_LL#	O	Battery Low Low
73	GPIO40	AC_OK	I	AC Adaptor Plug in
74	GPIO41	PM_RSMRST#	O	10K pull down to GND
75	GPI42	BAT_IN	I	
76	GPI43	CLRTC_EC	I	
77	GPIO44/SCL1	SMB0_CLK	I/O	4.7K pull high to +3VA_EC
78	GPIO45/SDA1	SMB0_DAT	I/O	4.7K pull high to +3VA_EC
79	GPIO46/SCL2	SMB1_CLK	I/O	10K pull high to +3V
80	GPIO47/SDA2	SMB1_DAT	I/O	10K pull high to +3V
81	GPIO48/KSO16	KB pin 28	I	for KB type detection
82	GPIO49/KSO17	KB pin 27	I	for KB type detection
83	GPIO4A/PSCLK1	AUO_SCL	O	for AUO, default H at S0
84	GPIO4B/PSDAT1	AUO_SDA	O	for AUO, default L at S0
85	GPIO4C/PSCLK2	AUO_CSB	O	for AUO, default H at S0
86	GPIO4D/PSDAT2	LVDD_EN	I	for AUO 7" Panel
87	GPIO4E/PSCLK3	TP_CLK	I/O	10K pull high to +3V
88	GPIO4F/PSDAT3	TP_DAT	I/O	10K pull high to +3V
89	GPIO50/SELIO#	BATSEL_3S	O	Battery series, H:3S, L:4S
90	GPIO52/E51_CS#	CHG_LED_UP#	O	
91	GPIO53/CAPLED	CAP_LED#	O	
92	GPIO54	PWR_LED_UP	O	
93	GPIO55/SCRLED	SCRLED	O	
95	GPIO56	PWR4G_SW#	I	Internal pull high
97	GPXOA00/SDICS#	SPI_MODE#	O	4.7K pull down to GND
98	GPXOA01/SDICLK	SUSC_ON	O	
99	GPXOA02/SDIDO	VSUS_ON	O	
100	GPXOA03	CPU_VRON	O	
101	GPXOA04	SUSB_ON	O	
102	GPXOA05	ICH_PWROK	O	
103	GPXOA06	VOLT_CTRL	O	
104	GPXOA07	CHG_EN#	O	Battery charging enabled
105	GPXOA08	PRECHG	O	
106	GPXOA09	SPI_WP#	O	
107	GPXOA10	OP_SD#	O	Audio OP
108	GPXOA11	BAT_LEARN	O	
109	GPXID0/SDIDI	BATSEL_2P#	O	Battery parallel, H:1P, L:2P~3P
110	GPXID1	NC	O	
112	GPXID2	THRO_CPU	O	Active if CPU temperature over spec
114	GPXID3	SUSB#	I	100K pull down to GND
115	GPXID4	SUSC#	I	100K pull down to GND
116	GPXID5	CPUPWR_GD	I	Pull high to +3V
117	GPXID6	VSUS_GD	I	
118	GPXID7	NC	O	
121	GPIO57	INTERNET#	I	Internal pull high
126	GPIO57/SPICLK	SPI_CLK	O	
127	GPIO59/TEST_CLK	NC	O	

<Variant Name>

		Title : EC Pin Define	
ASUSTek Computer INC.		Engineer: Satan He	
Size A3	Project Name 1002	Rev 1.3G	
Date: Friday, October 03, 2008		Sheet	49 of 50

