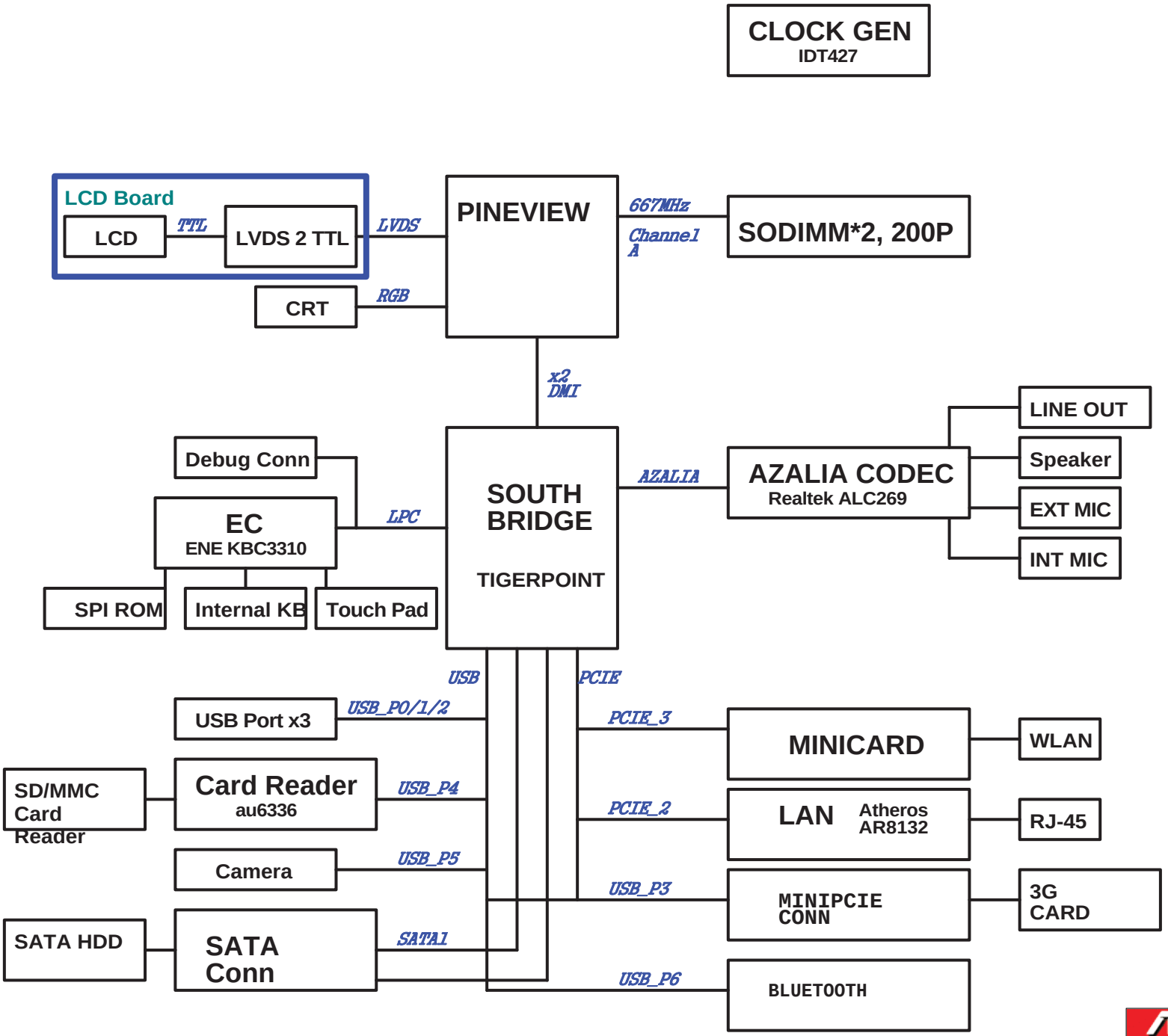


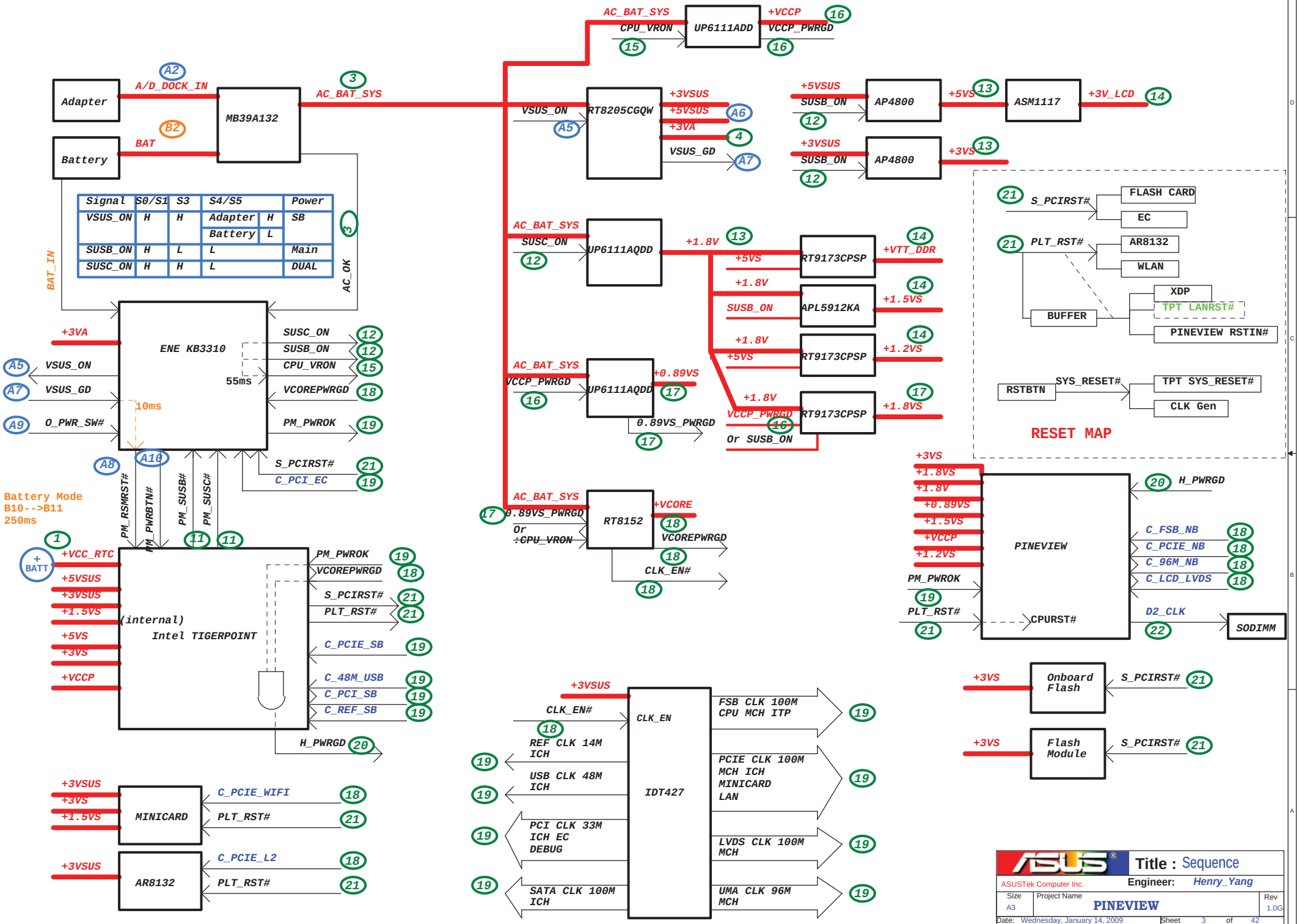
ASUSTek Computer Inc.	Title : Cover Page	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 1 of 42	

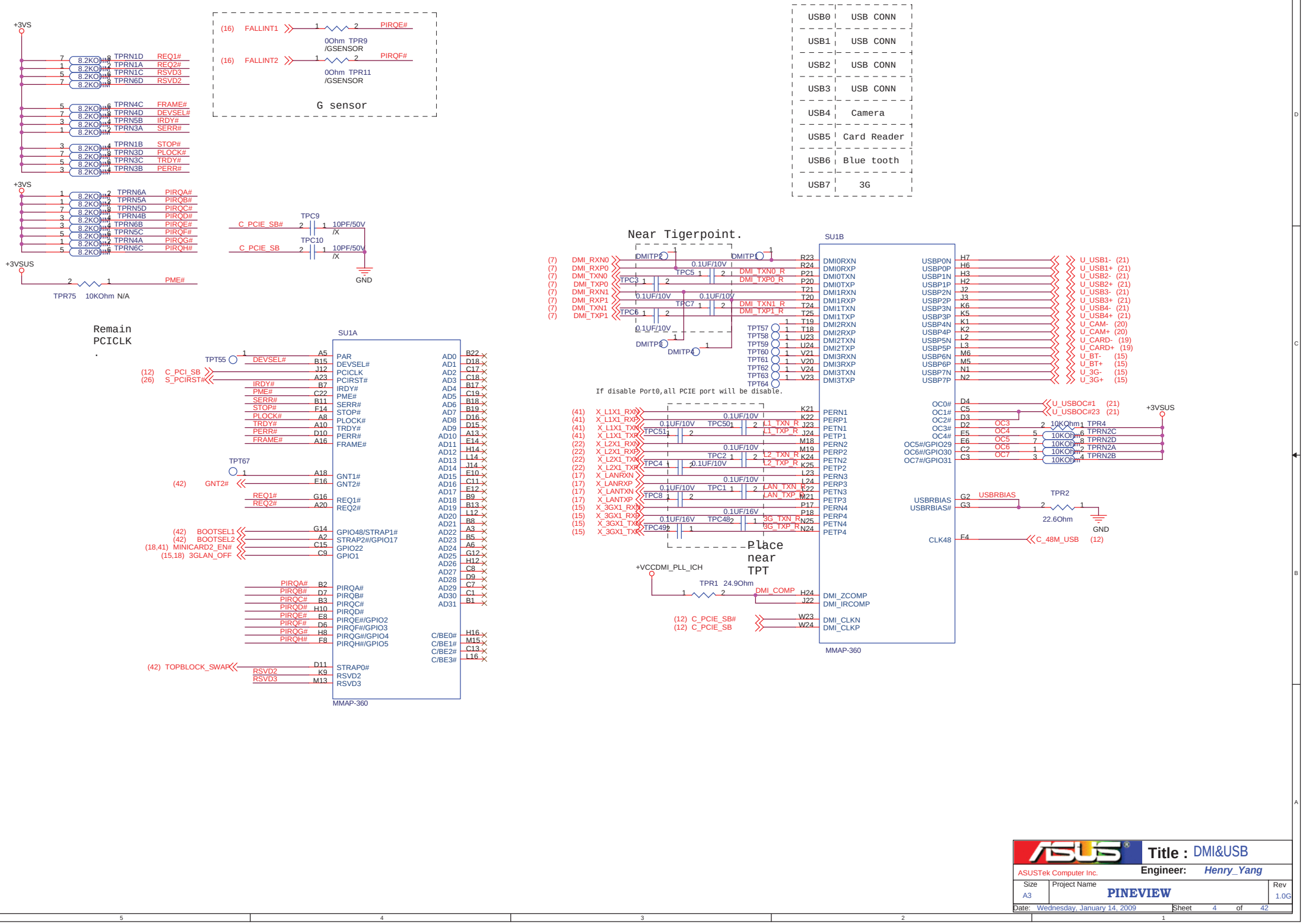
ICH7M GPIO DEFAULT&NOW SETTING

Pin	Pin Name	Type	Tolerance	Powe Well	Default	Now Setting
AB18	GPIO0/BM_BUSY#	I/O	3.3V	CORE	GPI	BM_BUSY#
C8	GPIO1/REQ5#	I/O	5V	CORE	GPI	REQ5#
G8	GPIO2/PIRQE#	I/OD	5V	CORE	GPI	PIRQE#
F7	GPIO3/PIRQF#	I/OD	5V	CORE	GPI	PIRQF#
F8	GPIO4/PIRQG#	I/OD	5V	CORE	GPI	PIRQG#
G7	GPIO5/PIRQH#	I/OD	5V	CORE	GPI	PIRQH#
AC21	GPIO6	I/O	3.3V	CORE	GPI	GPI,No Function,10K Pull +3VS
AC18	GPIO7	I/O	3.3V	CORE	GPI	GPO,WLAN_LED
E21	GPIO8	I/O	3.3V	Resume	GPI	GPI,EXTSMI#
E20	GPIO9	I/O	3.3V	Resume	GPI	GPI,No Function,10K Pull +3VS
A20	GPIO10	I/O	3.3V	Resume	GPI	GPO,WLAN_ON#
B23	GPIO11/SMBALERT#	I/O	3.3V	Resume	Native	SMBALERT#
F19	GPIO12	I/O	3.3V	Resume	GPI	GPI,KBC_SCI#
E19	GPIO13	I/O	3.3V	Resume	GPI	GPO,VCCP_DOWN
R4	GPIO14	I/O	3.3V	Resume	GPI	GPO,1.5VS_DOWN
E22	GPIO15	I/O	3.3V	Resume	GPI	GPI,No Function,10K Pull +3VSUS
AC22	GPIO16/DPRSLVR	I/O	3.3V	CORE	Native	DPRSLVR
D8	GPIO17/GNT5#	I/O	3.3V	CORE	GPO	BIOS_SEL1
AC20	GPIO18/STPPCI#	I/O	3.3V	CORE	GPO	STP_PCI#
AH18	GPIO19/SATA1GP	I/O	3.3V	CORE	GPI	GPI,No Function,10K Pull +3VS
AF21	GPIO20/STPCPU#	I/O	3.3V	CORE	GPO	STP_CPU#
AF19	GPIO21/SATA0GP	I/O	3.3V	CORE	GPI	GPI,No Function,10K Pull +3VS
A13	GPIO22/REQ4#	I/O	3.3V	CORE	Native	REQ4#
AA5	GPIO23/LDRQ1#	I/O	3.3V	CORE	Native	LDRQ1#
R3	GPIO24	I/O	3.3V	Resume	GPO	GPO,MINICARD1_EN#
D20	GPIO25	I/O	3.3V	Resume	GPO	GPO,DUAL_DOWN

Pin	Pin Name	Type	Tolerance	Powe Well	Default	Now Setting
A21	GPIO26	I/O	3.3V	Resume	GPO	GPO,VCORE_DOWN
B21	GPIO27	I/O	3.3V	Resume	GPO	GPO,CARD_READER_EN#
E23	GPIO28	I/O	3.3V	Resume	GPO	GPO,MODEM_EN#
C3	GPIO29/OC5#	I/O	3.3V	Resume	Native	OC5#
A2	GPIO30/OC6#	I/O	3.3V	Resume	Native	OC6#
B3	GPI031/OC7#	I/O	3.3V	Resume	Native	OC7#
AG18	GPIO32/CLKRUN#	I/O	3.3V	CORE	GPO	CLKRUN#
AC19	GPIO33/AZ_DOCK_EN#	I/O	3.3V	CORE	GPO	GPO,No Function,NC
U2	GPIO34/AZ_DOCK_RST#	I/O	3.3V	CORE	GPO	GPO,No Function,NC
AD21	GPIO35	I/O	3.3V	CORE	GPO	GPO,CAMERA_EN
AH19	GPIO36/SATA2GP	I/O	3.3V	CORE	GPI	GPI,No Function,10K Pull +3VS
AE19	GPIO37/SATA3GP	I/O	3.3V	CORE	GPI	GPI,PCB_ID0
AE20	GPIO38	I/O	3.3V	CORE	GPI	GPI,PCB_ID1
AD20	GPIO39	I/O	3.3V	CORE	GPI	GPI,PCB_ID2
NA	GPIO40	NA	NA	NA	NA	NA
NA	GPIO41	NA	NA	NA	NA	NA
NA	GPIO42	NA	NA	NA	NA	NA
NA	GPIO43	NA	NA	NA	NA	NA
NA	GPIO44	NA	NA	NA	NA	NA
NA	GPIO45	NA	NA	NA	NA	NA
NA	GPIO46	NA	NA	NA	NA	NA
NA	GPIO47	NA	NA	NA	NA	NA
A14	GPIO48/GNT4#	I/O	3.3V	CORE	Native	BIOS_SEL0
AG24	GPIO49/CPUPWRGD	I/O	V_CPU_IO	V_CPU_IO	Native	CPUPWRGD

0.1 A Beta


Adapter
A/D_DOCK_IN
A2
Battery
BAT
B2
MB39A132
AC_BAT_SYS
3
BAT_IN
AC_OK
Signal | S0/S1 | S3 | S4/S5 | | Power
VSUS_ON | H | H | Adapter | H | SB
Battery | L
SUSB_ON | H | L | L | Main
SUSC_ON | H | H | L | DUAL
ENE KB3310
+3VA
VSUS_ON
VSUS_GD
O_PWR_SW#
10ms
55ms
SUSC_ON
SUSB_ON
CPU_VRON
VCOREPWRGD
PM_PWROK
S_PCIRST#
C_PCI_EC
PM_RSMRST#
PM_PWRBTN#
PM_SUSB#
PM_SUSC#
Battery Mode
B10-->B11
250ms
+VCC_RTC
+5VSUS
+3VSUS
+1.5VS
+5VS
+3VS
+VCCP
(internal)
Intel TIGERPOINT
PM_PWROK
VCOREPWRGD
S_PCIRST#
PLT_RST#
C_PCIE_SB
C_48M_USB
C_PCI_SB
C_REF_SB
H_PWRGD
MINICARD
C_PCIE_WIFI
PLT_RST#
AR8132
C_PCIE_L2
PLT_RST#
AC_BAT_SYS
CPU_VRON
UP6111ADD
+VCCP
VCCP_PWRGD
VSUS_ON
RT8205CGQW
+3VSUS
+5VSUS
+3VA
VSUS_GD
+5VSUS
SUSB_ON
AP4800
+5VS
ASM1117
+3V_LCD
+3VSUS
SUSB_ON
AP4800
+3VS
AC_BAT_SYS
SUSC_ON
UP6111AQDD
+1.8V
+5VS
RT9173CPSP
+VTT_DDR
+1.8V
SUSB_ON
APL5912KA
+1.5VS
+1.8V
+5VS
RT9173CPSP
+1.2VS
AC_BAT_SYS
VCCP_PWRGD
UP6111AQDD
+0.89VS
0.89VS_PWRGD
+1.8V
VCCP_PWRGD
Or SUSB_ON
RT9173CPSP
+1.8VS
AC_BAT_SYS
0.89VS_PWRGD
Or CPU_VRON
RT8152
+VCORE
VCOREPWRGD
CLK_EN#
S_PCIRST#
FLASH CARD
EC
PLT_RST#
AR8132
WLAN
BUFFER
XDP
TPT LANRST#
PINEVIEW RSTIN#
RSTBTN
SYS_RESET#
TPT SYS_RESET#
CLK Gen
RESET MAP
+3VS
+1.8VS
+1.8V
+0.89VS
+1.5VS
+VCCP
+1.2VS
PM_PWROK
PLT_RST#
PINEVIEW
CPURST#
H_PWRGD
C_FSB_NB
C_PCIE_NB
C_96M_NB
C_LCD_LVDS
D2_CLK
SODIMM
+3VSUS
CLK_EN#
REF CLK 14M ICH
USB CLK 48M ICH
PCI CLK 33M ICH EC DEBUG
SATA CLK 100M ICH
CLK_EN
IDT427
FSB CLK 100M CPU MCH ITP
PCIE CLK 100M MCH ICH MINICARD LAN
LVDS CLK 100M MCH
UMA CLK 96M MCH
+3VS
Onboard Flash
S_PCIRST#
+3VS
Flash Module
S_PCIRST#
ASUSTek Computer Inc.
Title : Sequence
Engineer: Henry_Yang
Size A3
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
Sheet 3 of 42

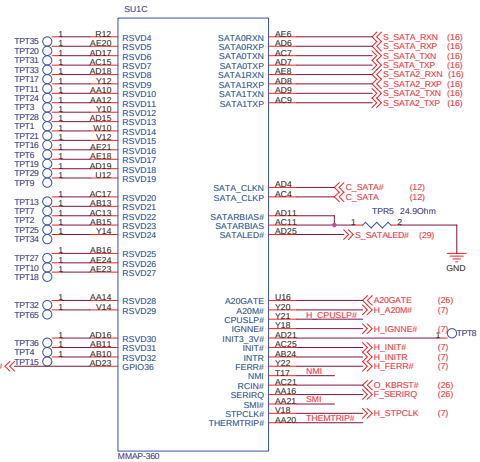


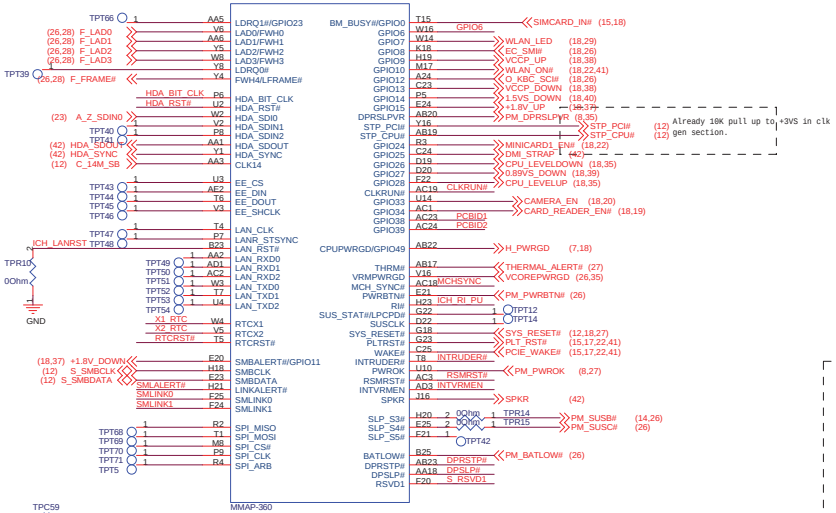
ASUSTek Computer Inc.	Title : DMI&USB		
	Engineer: Henry_Yang		
Size: A3	Project Name: PINEVIEW		Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 4 of 42		

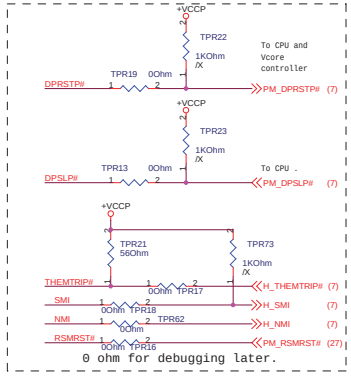
CLK 14MHZ has a 22ohm resistor near clk Gen.

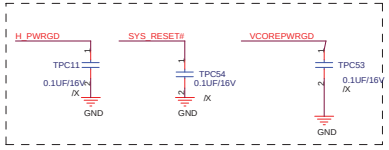
LDRQ0/1 LPC DMA/master request,ICH7M has internal PU, but we need TPT datasheet

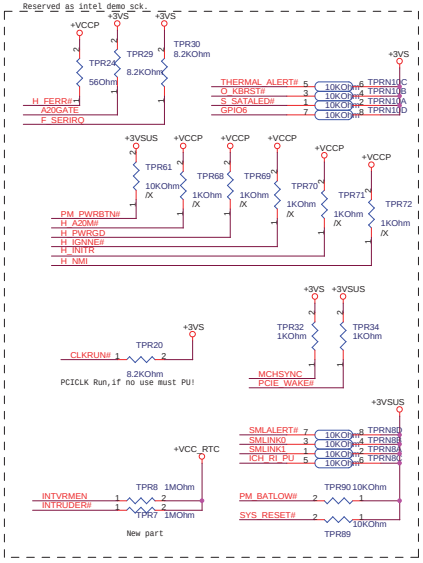
SATA RX,TX all need AC couple and place near Connector side for signal quality.And Traces to them should match length. ICH7M need pull down RX, if no use.



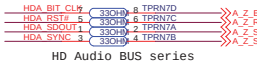




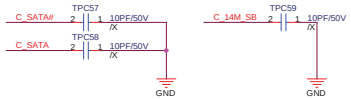


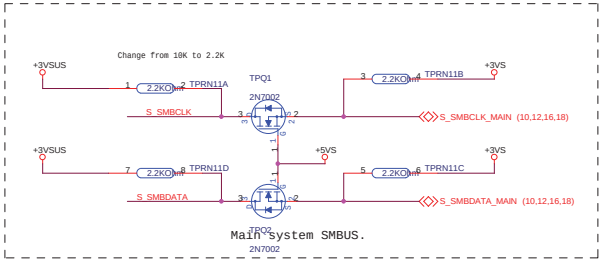


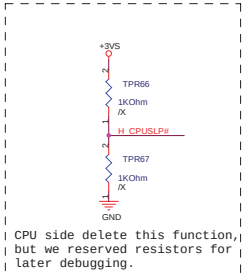
HDA_SDI0 shoud place 33ohm near Codec side.

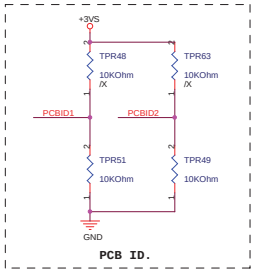


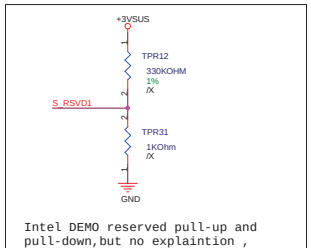
HD Audio BUS series resistor need use 33Ohm.

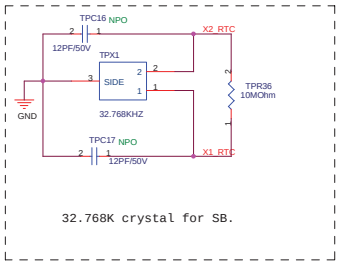


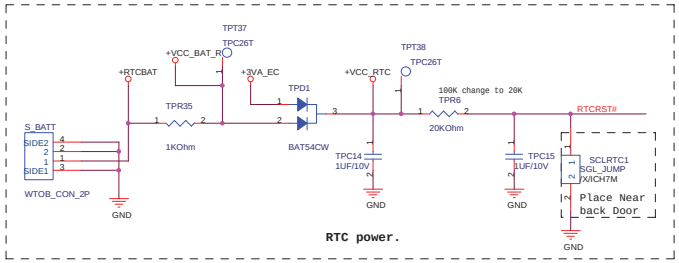


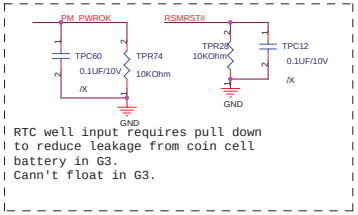


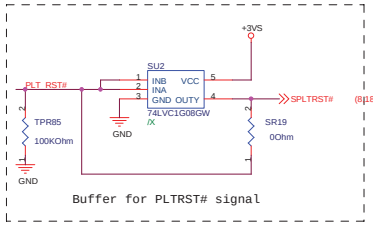




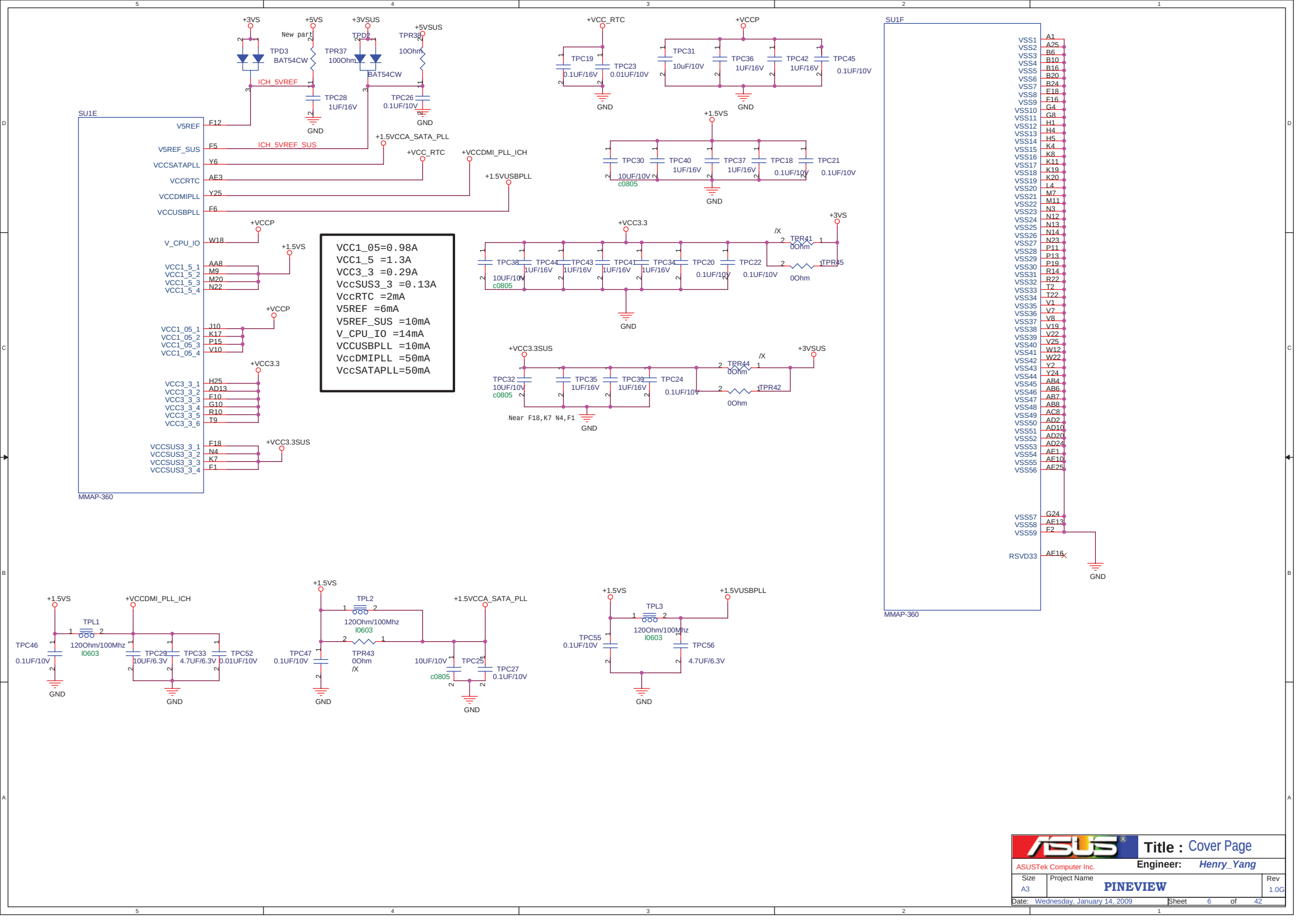




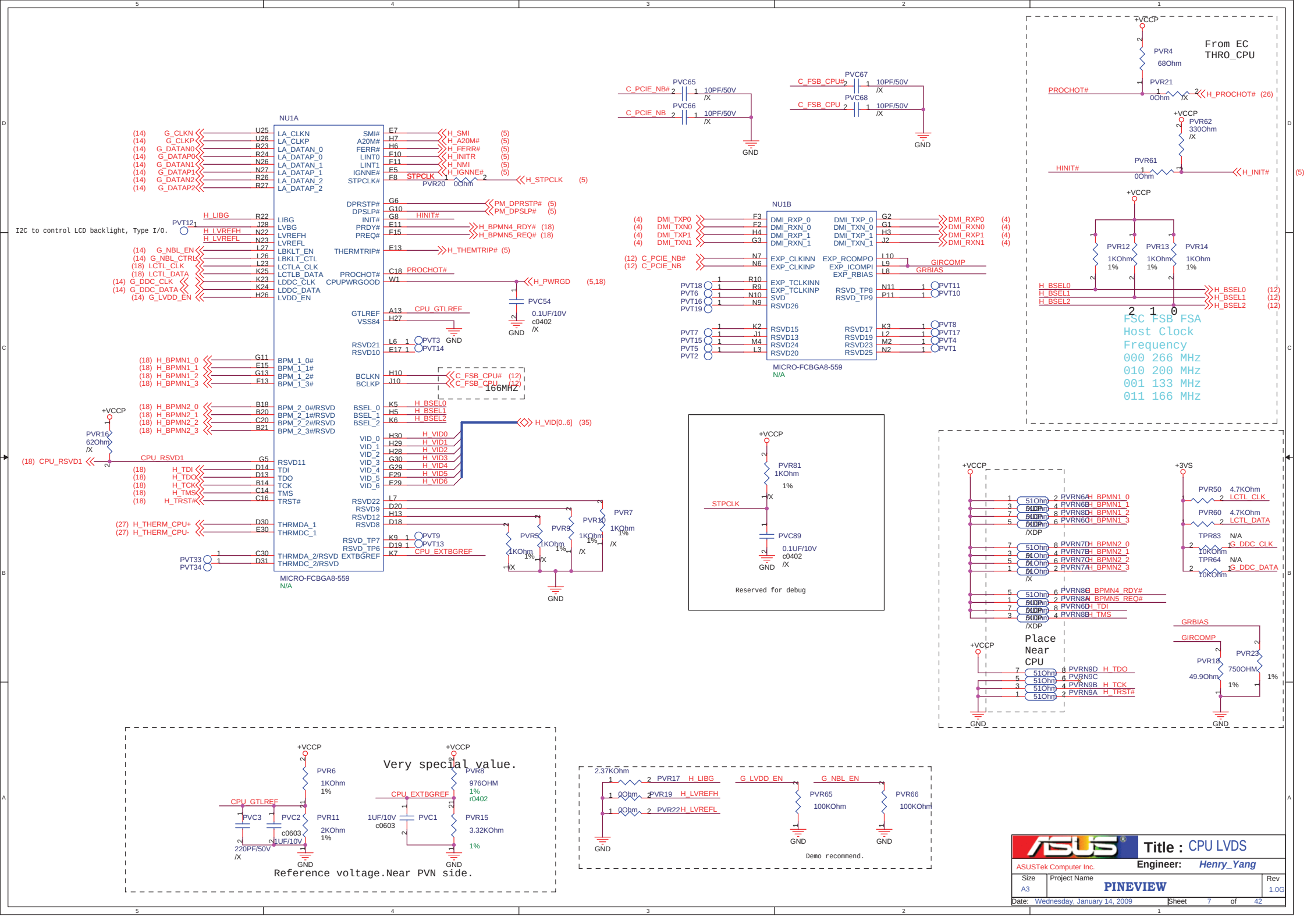




ASUSTek Computer Inc.	Title : SCH system		
	Engineer: Henry_Yang		
Size: A2	Project Name: PINEVIEW		Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 5 of 42		

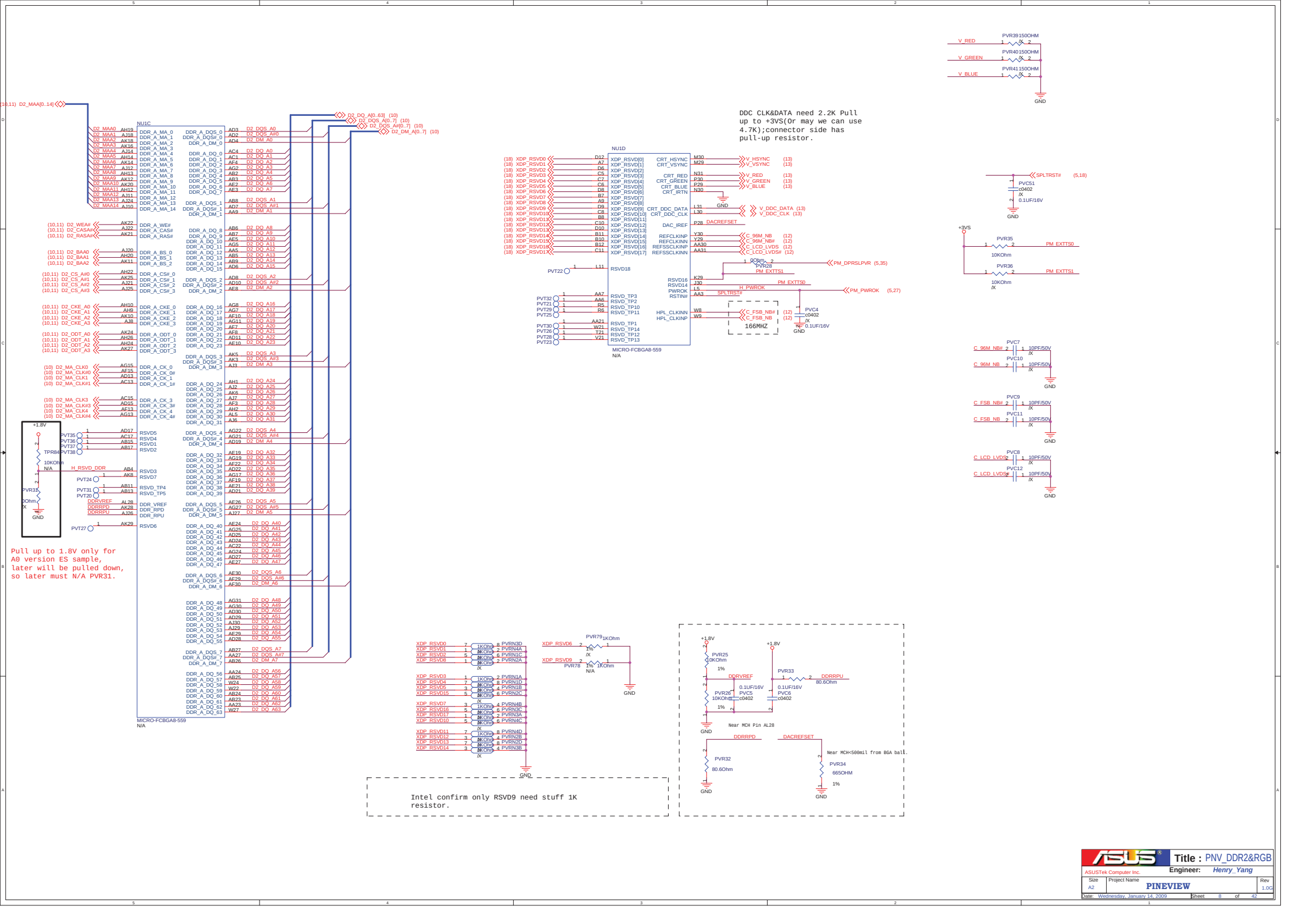


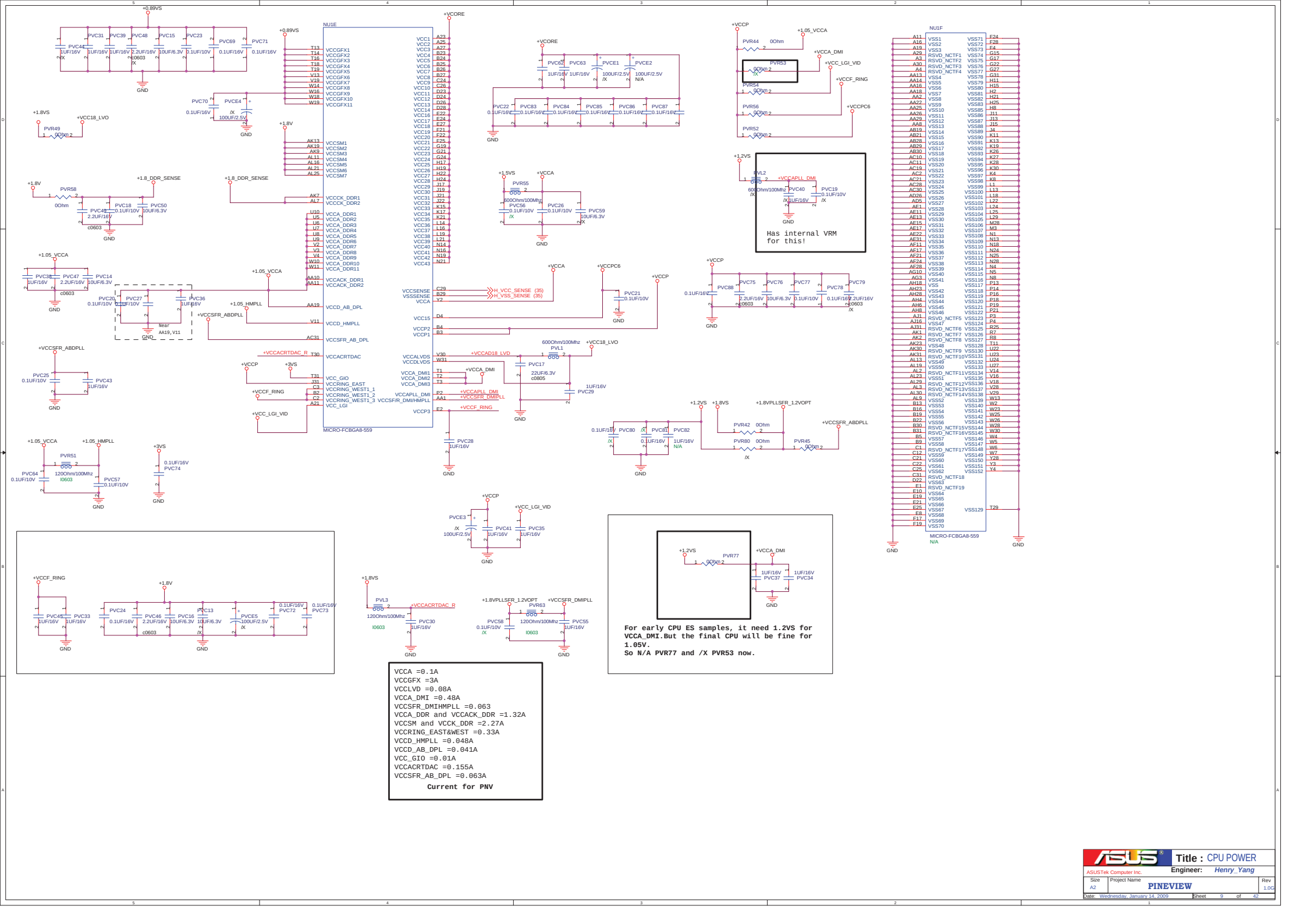
ASUSTek Computer Inc.	Title : Cover Page		
	Engineer: Henry_Yang		
Size: A3	Project Name: PINEVIEW		Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 6 of 42		



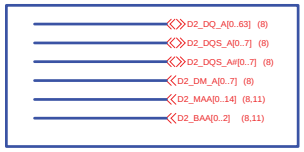
Title :	CPU LVDS
ASUSTek Computer Inc.	Engineer: Henry_Yang
Size: A3	Project Name: PINEVIEW
Rev: 1.0G	
Date: Wednesday, January 14, 2009	Sheet 7 of 42

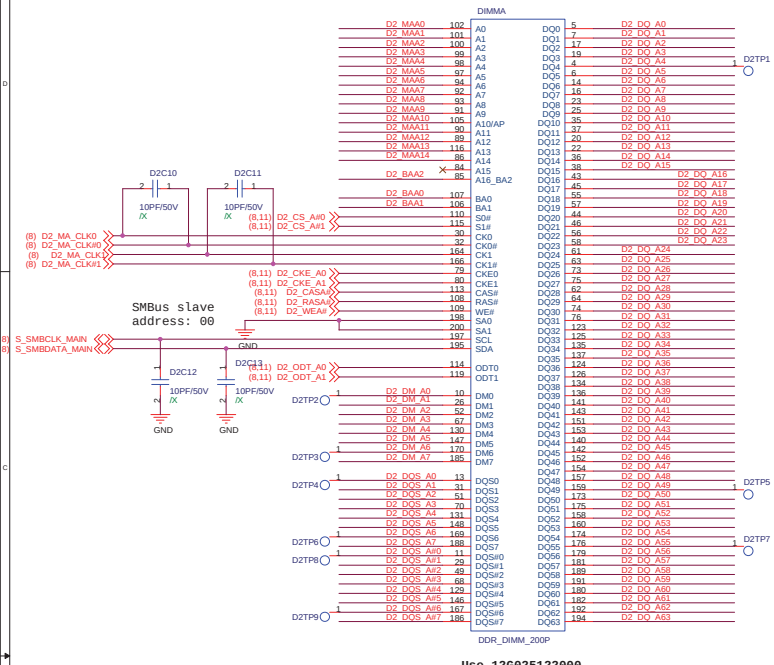
(5)


NU1C
MICRO-FCBGA8-559
N/A
NU1D
MICRO-FCBGA8-559
N/A
DDC CLK&DATA need 2.2K Pull up to +3VS(Or may we can use 4.7K);connector side has pull-up resistor.
Pull up to 1.8V only for A0 version ES sample, later will be pulled down, so later must N/A PVR31.
Intel confirm only RSVD9 need stuff 1K resistor.
Near MCH Pin AL28
Near MCH<500mil from BGA ball.
166MHZ
Title : PNV_DDR2&RGB
ASUSTek Computer Inc.
Engineer: Henry_Yang
Project Name
PINEVIEW
Rev
1.0C
Date: Wednesday, January 14, 2009
Sheet 8 of 42

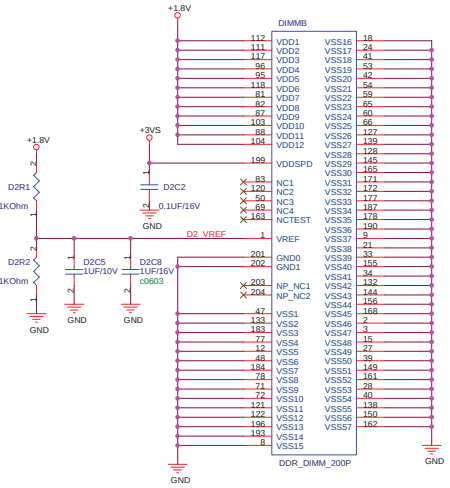

NU1E
MICRO-FCBGA8-559
NU1F
MICRO-FCBGA8-559
N/A
Has internal VRM for this!
For early CPU ES samples, it need 1.2VS for VCCA_DMI.But the final CPU will be fine for 1.05V.
So N/A PVR77 and /X PVR53 now.
VCCA =0.1A
VCCGFX =3A
VCCLVD =0.08A
VCCA_DMI =0.48A
VCCSFR_DMIHMPLL =0.063
VCCA_DDR and VCCACK_DDR =1.32A
VCCSM and VCCK_DDR =2.27A
VCCRING_EAST&WEST =0.33A
VCCD_HMPLL =0.048A
VCCD_AB_DPL =0.041A
VCC_GIO =0.01A
VCCACRTDAC =0.155A
VCCSFR_AB_DPL =0.063A
Current for PNV
Title : CPU POWER
ASUSTek Computer Inc.
Engineer: Henry_Yang
Size A2
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
Sheet 9 of 42

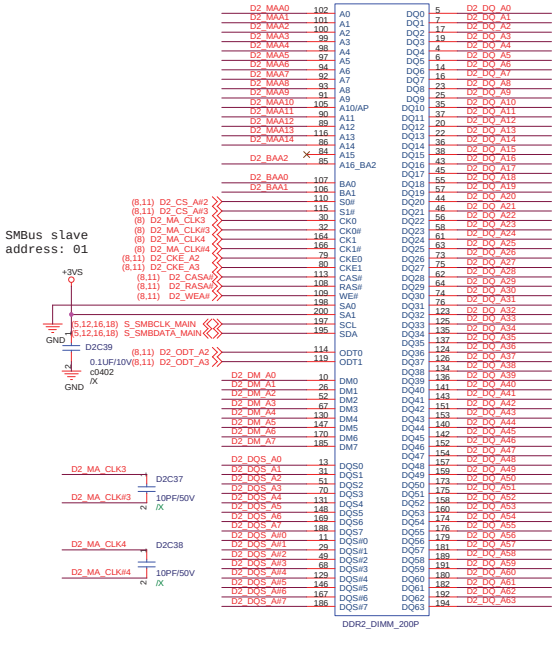
0.1BBeta



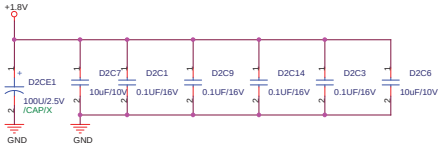


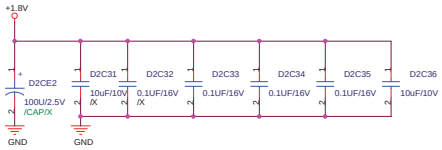
Use 12G025122000
H=5.2mm,
standard

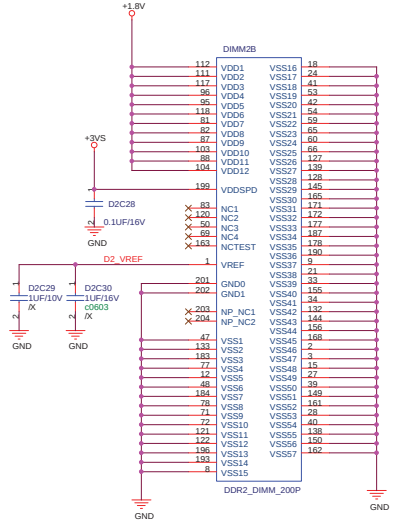




Use 12G025C22004 H=9.2mm

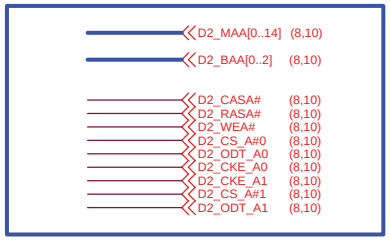


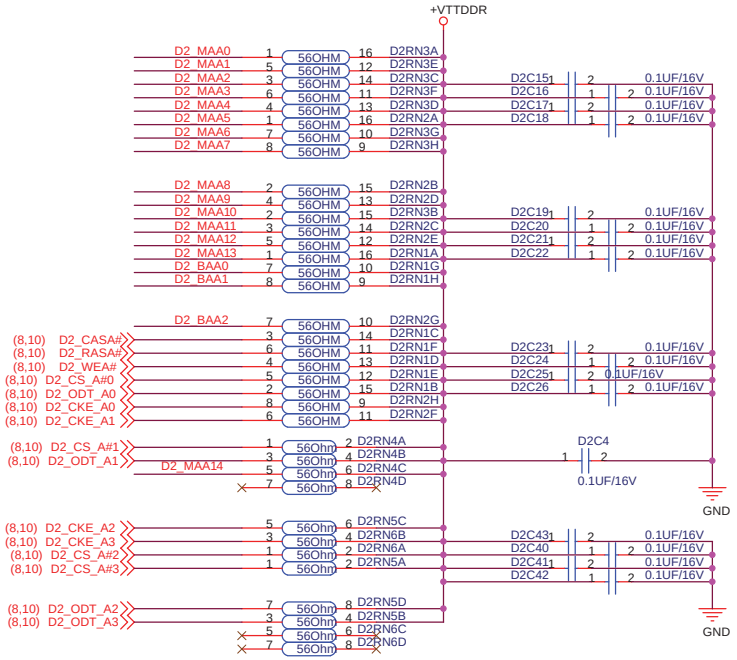




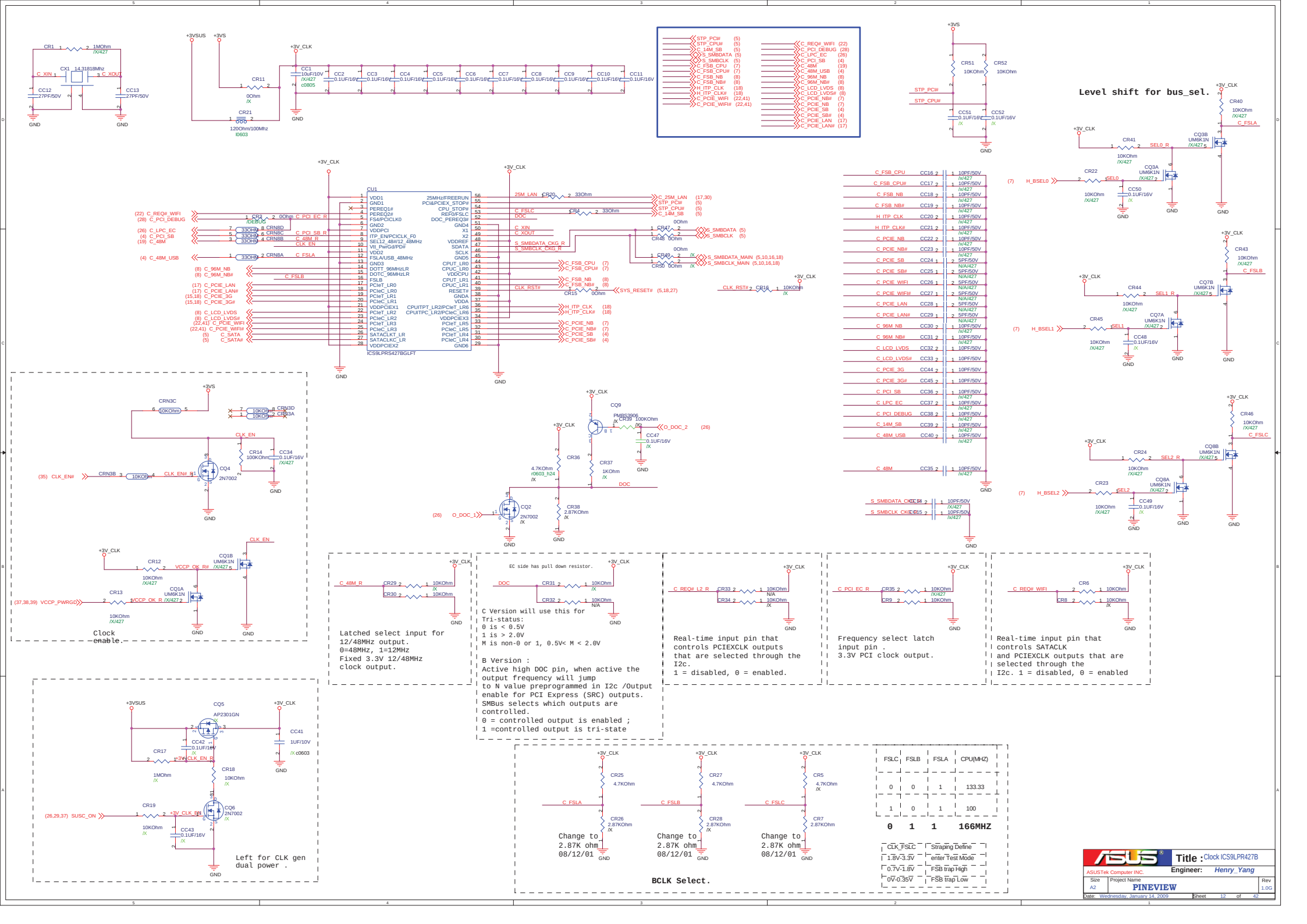
ASUSTek Computer Inc.	Title : SO-DIMM		
	Engineer: Henry_Yang		
Size: A2	Project Name: PINEVIEW		Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 10 of 42		

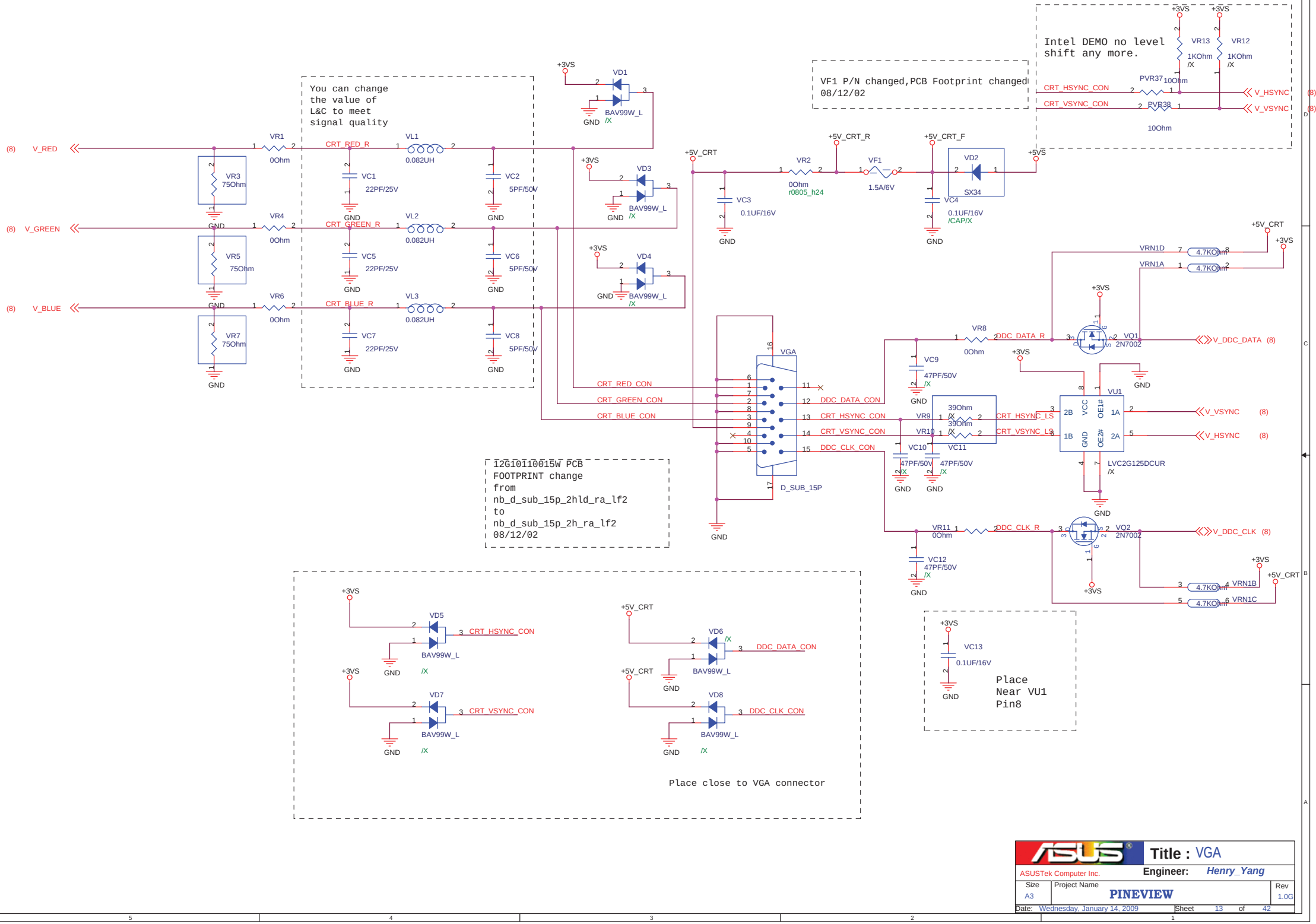
0.1BBeta





ASUSTek Computer Inc.	Title : DDR-Termination		
	Engineer: Henry_Yang		
Size: A3	Project Name: PINEVIEW		Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 11 of 42		


Level shift for bus_sel.
CU1
ICS9LPRS427BGLFT
Clock enable.
Latched select input for 12/48MHz output. 0=48MHz, 1=12MHz Fixed 3.3V 12/48MHz clock output.
C Version will use this for Tri-status: 0 is < 0.5V 1 is > 2.0V M is non-0 or 1, 0.5V< M < 2.0V
B Version : Active high DOC pin, when active the output frequency will jump to N value preprogrammed in I2c /Output enable for PCI Express (SRC) outputs. SMBus selects which outputs are controlled. 0 = controlled output is enabled ; 1 =controlled output is tri-state
Real-time input pin that controls PCIEXCLK outputs that are selected through the I2c. 1 = disabled, 0 = enabled.
Frequency select latch input pin . 3.3V PCI clock output.
Real-time input pin that controls SATACLK and PCIEXCLK outputs that are selected through the I2c. 1 = disabled, 0 = enabled
Left for CLK gen dual power .
Change to 2.87K ohm 08/12/01
BCLK Select.
FSLC FSLB FSLA CPU(MHZ)
0 0 1 133.33
1 0 1 100
0 1 1 166MHZ
CLK_FSLC Straping Define
1.8V-3.3V enter Test Mode
0.7V-1.8V FSB trap High
0V-0.35V FSB trap Low
Title : Clock ICS9LPR427B
ASUSTek Computer INC.
Engineer: Henry_Yang
Size A2
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
Sheet 12 of 42

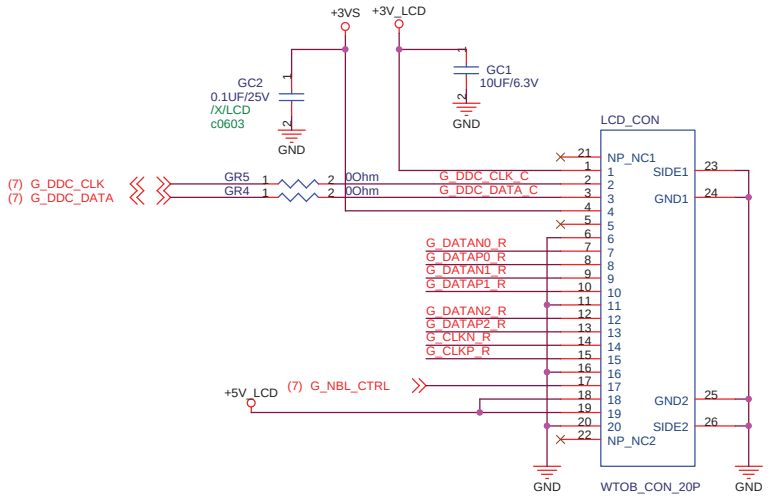


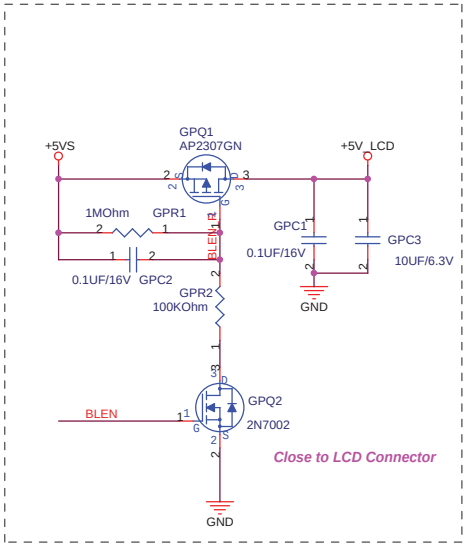
ASUSTek Computer Inc.	Title : VGA		
	Engineer: Henry_Yang		
Size: A3	Project Name: PINEVIEW		Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 13 of 42		

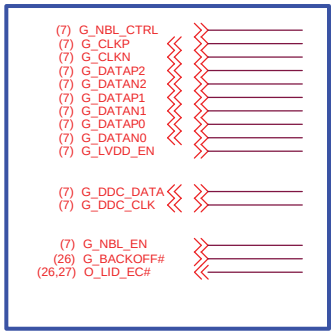
8)

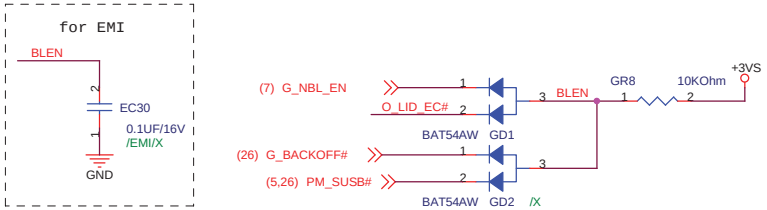
8)

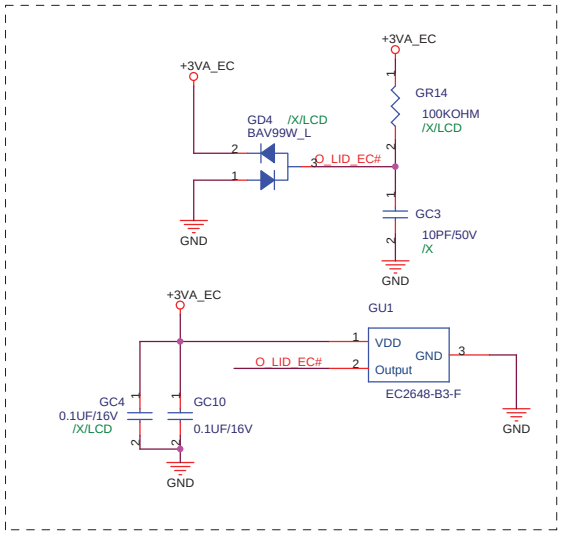
0.1 B Beta

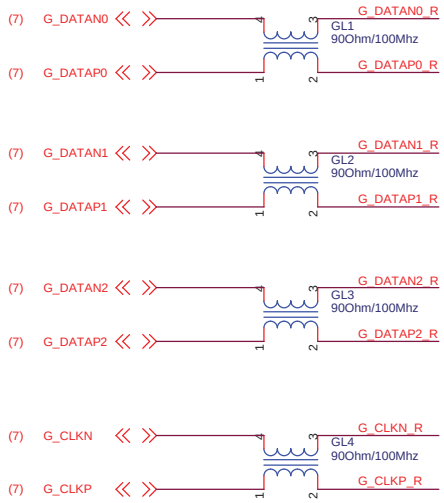




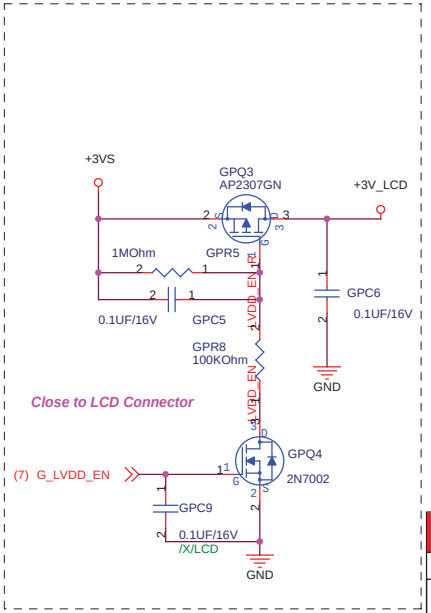




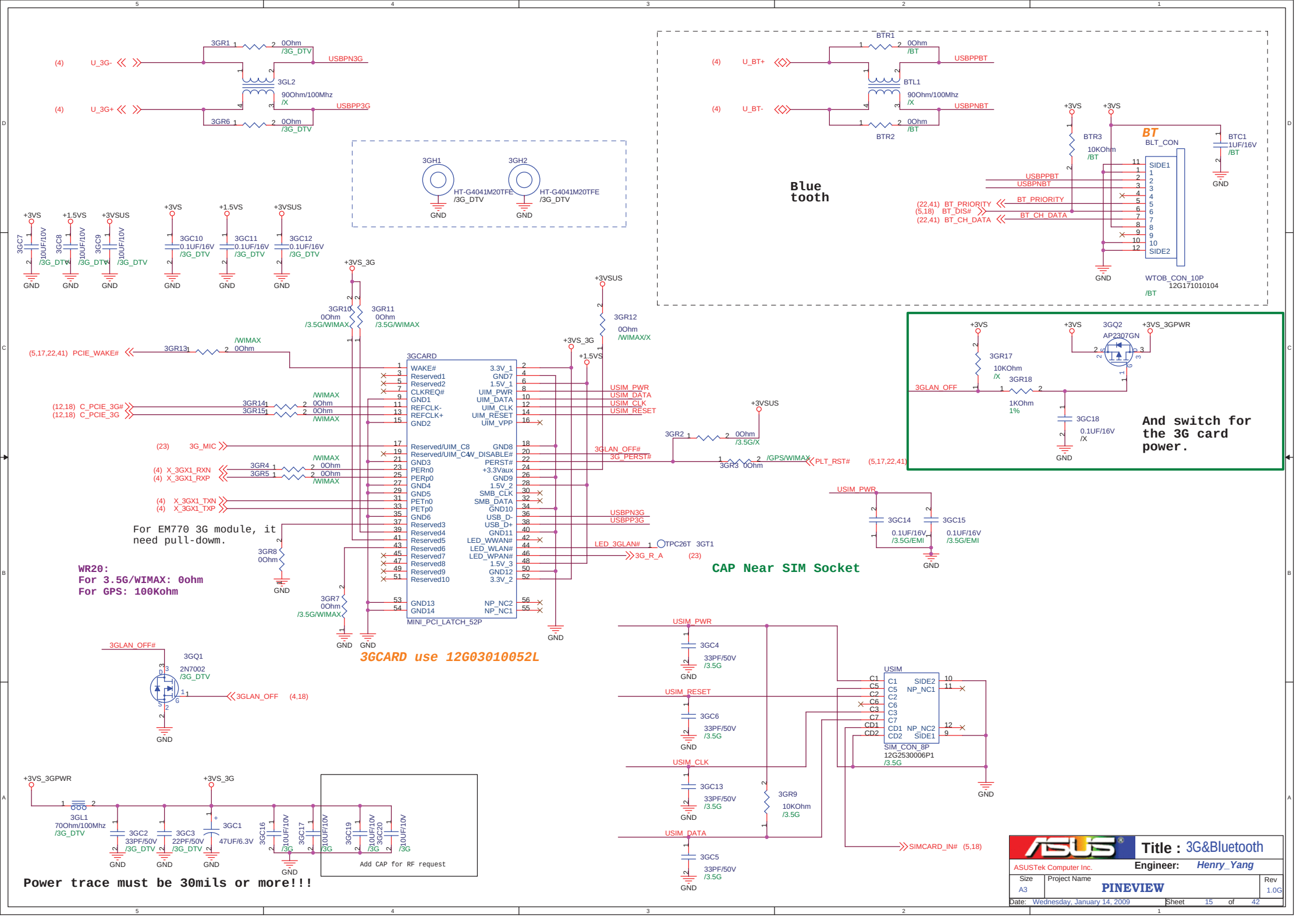




Add for RF request.



ASUSTek Computer Inc.	Title : LCD	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 14 of 42	


3GR1 0Ohm /3G_DTV
(4) U_3G-
USBPN3G
3GL2
90Ohm/100Mhz /X
(4) U_3G+
USBPP3G
3GR6 0Ohm /3G_DTV
3GH1 HT-G4041M20TFE /3G_DTV
3GH2 HT-G4041M20TFE /3G_DTV
GND
BTR1 0Ohm /BT
(4) U_BT+
USBPPBT
BTL1
90Ohm/100Mhz /X
(4) U_BT-
USBPNBT
BTR2 0Ohm /BT
Blue tooth
BTR3 10KOhm /BT
BT
BLT_CON
BTC1 1UF/16V /BT
USBPPBT
USBPNBT
BT_PRIORITY
BT_CH_DATA
(22,41) BT_PRIORITY
(5,18) BT_DIS#
(22,41) BT_CH_DATA
SIDE1
SIDE2
WTOB_CON_10P
12G171010104
/BT
+3VS
+1.5VS
+3VSUS
+3VS_3G
+3VS_3GPWR
3GC7 10UF/10V /3G_DTV
3GC8 10UF/10V /3G_DTV
3GC9 10UF/10V /3G_DTV
3GC10 0.1UF/16V /3G_DTV
3GC11 0.1UF/16V /3G_DTV
3GC12 0.1UF/16V /3G_DTV
3GR10 0Ohm /3.5G/WIMAX
3GR11 0Ohm /3.5G/WIMAX
3GR12 0Ohm /WIMAX/X
3GR13 /WIMAX 0Ohm
(5,17,22,41) PCIE_WAKE#
3GCARD
WAKE#
Reserved1
Reserved2
CLKREQ#
GND1
REFCLK-
REFCLK+
GND2
3.3V_1
GND7
1.5V_1
UIM_PWR
UIM_DATA
UIM_CLK
UIM_RESET
UIM_VPP
Reserved/UIM_C8
Reserved/UIM_C4
W_DISABLE#
GND3
PERST#
PERn0
+3.3Vaux
PERp0
GND9
GND4
1.5V_2
GND5
SMB_CLK
PETn0
SMB_DATA
PETp0
GND10
GND6
USB_D-
Reserved3
USB_D+
Reserved4
GND11
Reserved5
LED_WWAN#
Reserved6
LED_WLAN#
Reserved7
LED_WPAN#
Reserved8
1.5V_3
Reserved9
GND12
Reserved10
3.3V_2
GND13
GND14
NP_NC2
NP_NC1
MINI_PCI_LATCH_52P
USIM_PWR
USIM_DATA
USIM_CLK
USIM_RESET
3GLAN_OFF#
3G_PERST#
USBPN3G
USBPP3G
LED_3GLAN#
3G_R_A
(23)
TPC26T 3GT1
(12,18) C_PCIE_3G#
(12,18) C_PCIE_3G
3GR14 0Ohm /WIMAX
3GR15 0Ohm /WIMAX
(23) 3G_MIC
(4) X_3GX1_RXN
(4) X_3GX1_RXP
3GR4 0Ohm /WIMAX
3GR5 0Ohm /WIMAX
(4) X_3GX1_TXN
(4) X_3GX1_TXP
3GR2 0Ohm /3.5G/X
3GR3 0Ohm
/GPS/WIMAX
PLT_RST#
(5,17,22,41)
3GR8 0Ohm
3GR7 0Ohm /3.5G/WIMAX
For EM770 3G module, it need pull-dowm.
WR20:
For 3.5G/WIMAX: 0ohm
For GPS: 100Kohm
3GCARD use 12G03010052L
3GQ2 AP2307GN
3GR17 10KOhm /X
3GR18 1KOhm 1%
3GC18 0.1UF/16V /X
And switch for the 3G card power.
3GC14 0.1UF/16V /3.5G/EMI
3GC15 0.1UF/16V /3.5G/EMI
CAP Near SIM Socket
3GLAN_OFF#
3GQ1 2N7002 /3G_DTV
3GLAN_OFF (4,18)
3GL1 70Ohm/100Mhz /3G_DTV
3GC1 47UF/6.3V
3GC2 33PF/50V /3G_DTV
3GC3 22PF/50V /3G_DTV
3GC16 10UF/10V /3G
3GC17 10UF/10V /3G
3GC19 10UF/10V /3G
3GC20 10UF/10V /3G
Add CAP for RF request
Power trace must be 30mils or more!!!
3GC4 33PF/50V /3.5G
3GC6 33PF/50V /3.5G
3GC13 33PF/50V /3.5G
3GC5 33PF/50V /3.5G
3GR9 10KOhm /3.5G
USIM
SIM_CON_8P
12G2530006P1
/3.5G
SIMCARD_IN# (5,18)
Title : 3G&Bluetooth
ASUSTek Computer Inc.
Engineer: Henry_Yang
Size A3
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
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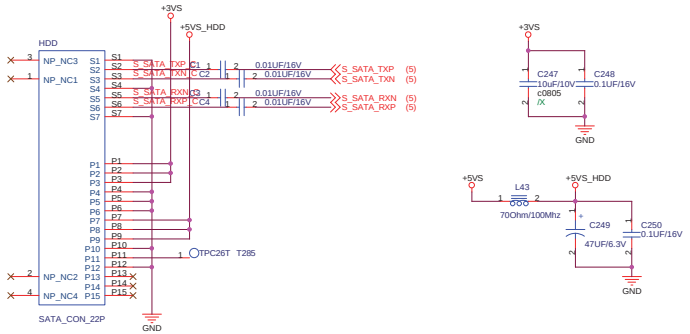
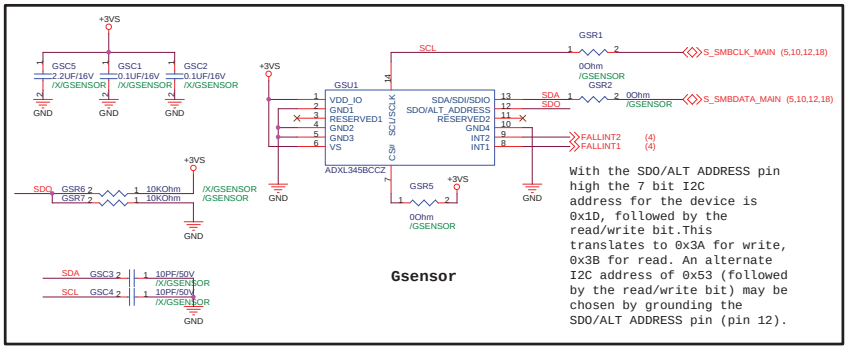
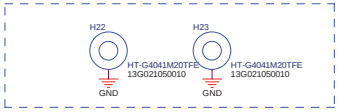
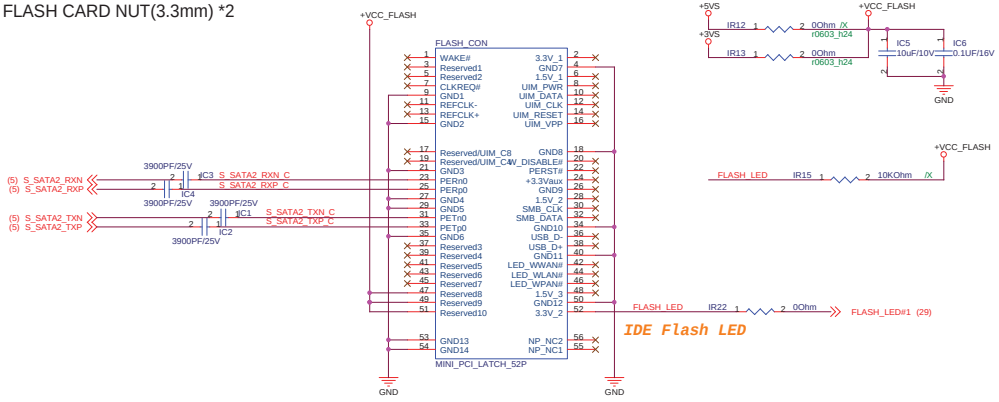
SATA HDD Connector

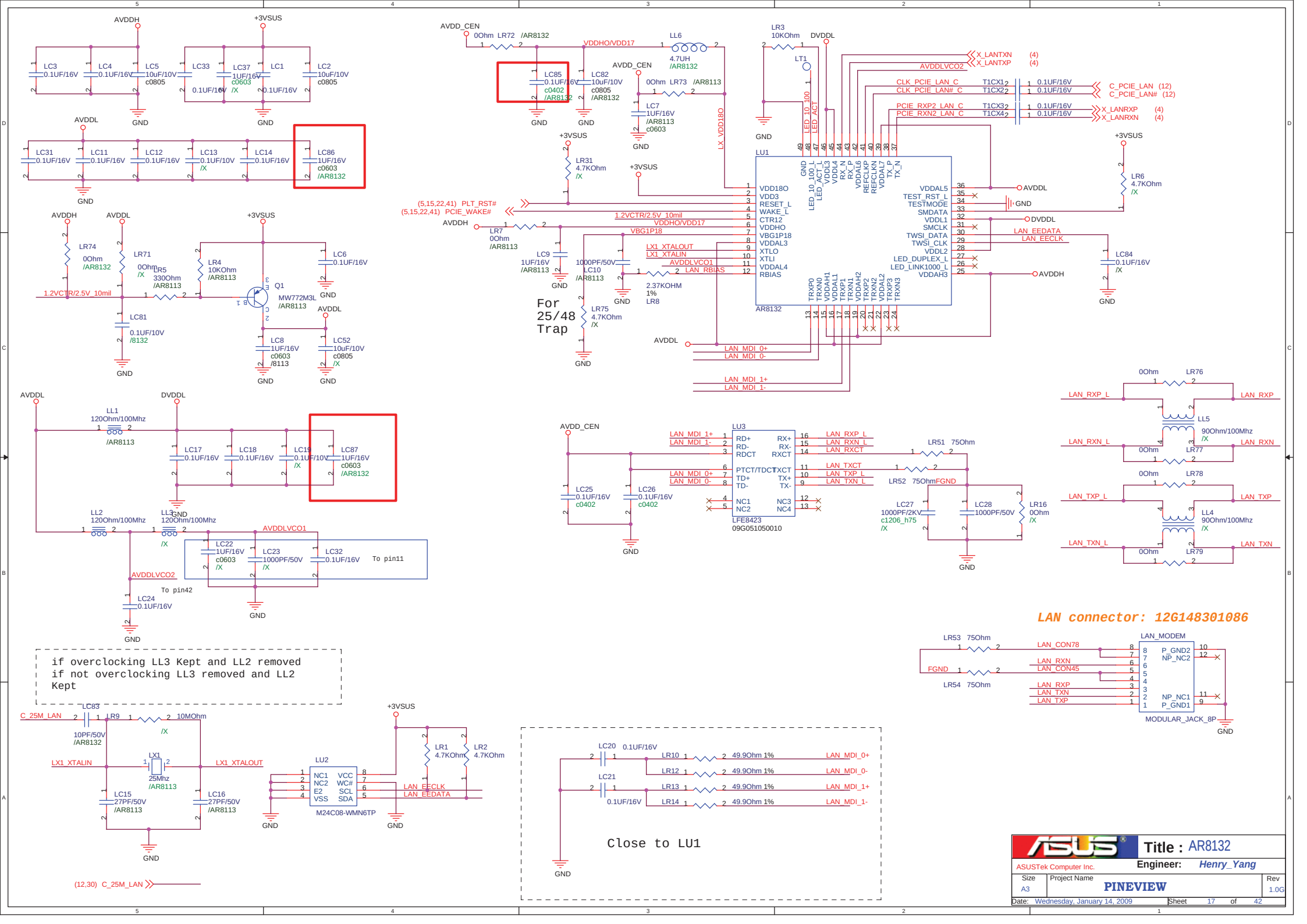


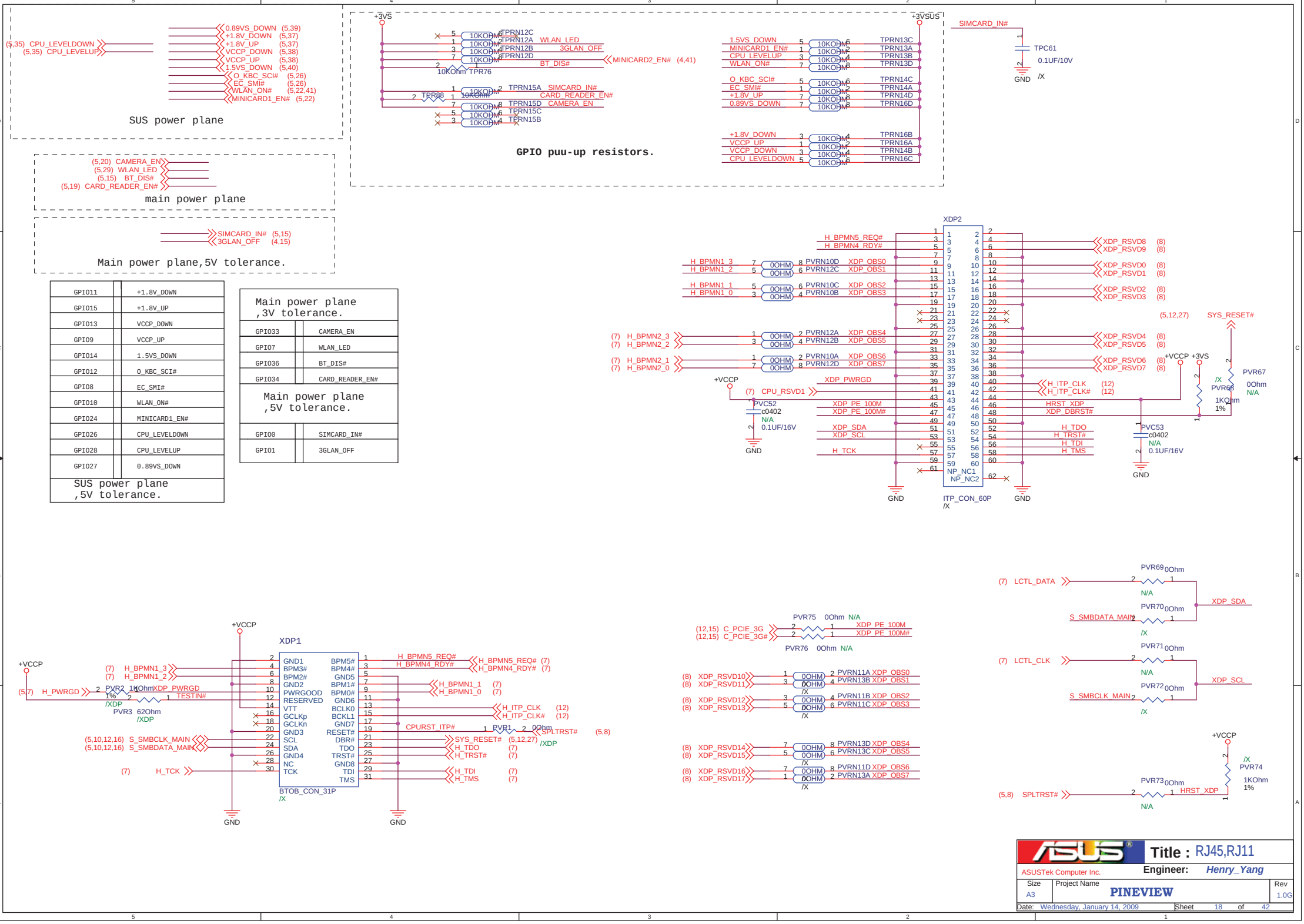




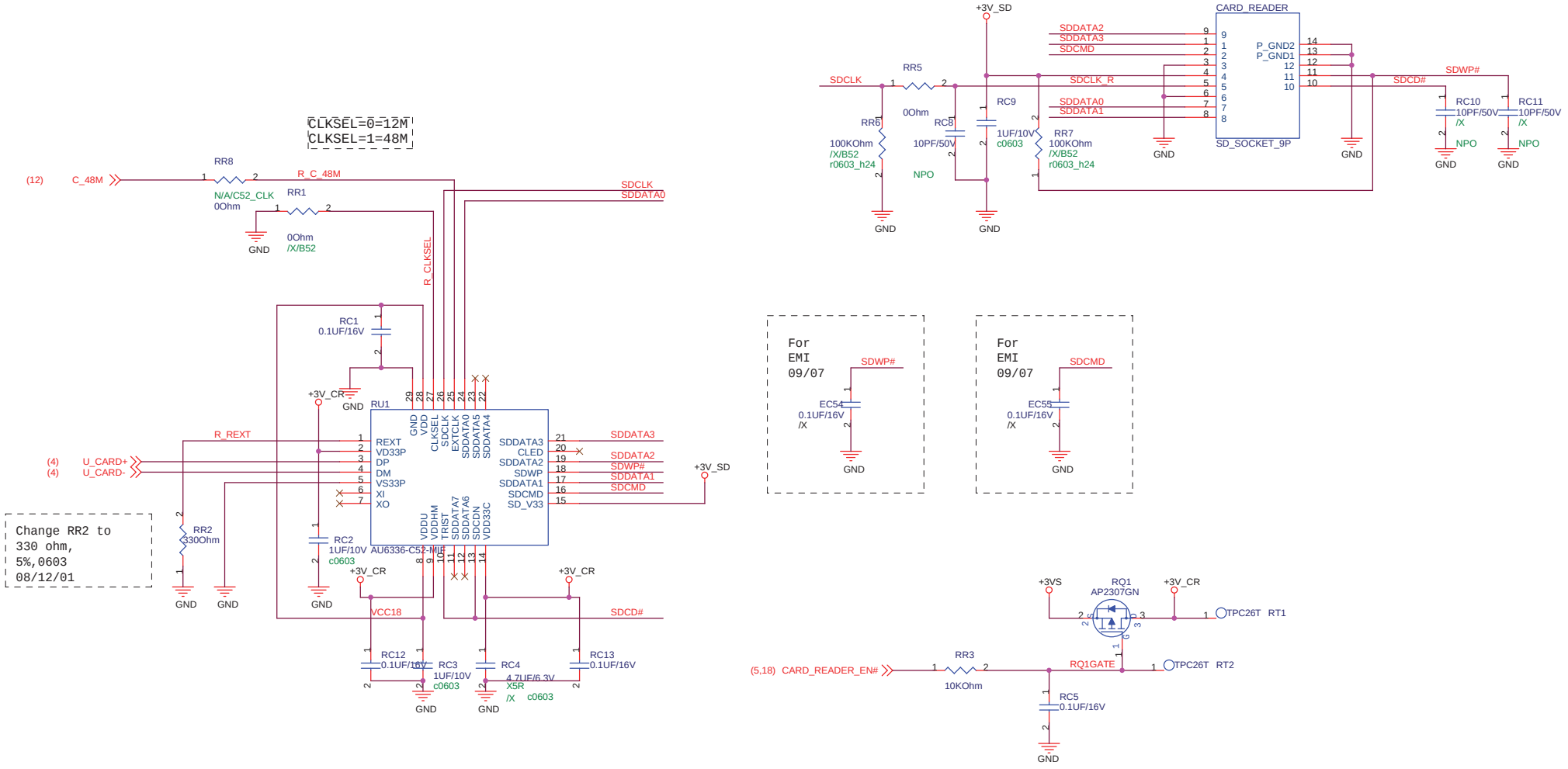
FLASH CARD NUT(3.3mm) *2




AVDDH
+3VSUS
LC3 0.1UF/16V
LC4 0.1UF/16V
LC5 10uF/10V c0805
LC33 0.1UF/16V
LC37 1UF/16V c0603 /X
LC1 0.1UF/16V
LC2 10uF/10V c0805
GND
AVDDL
LC31 0.1UF/16V
LC11 0.1UF/16V
LC12 0.1UF/16V
LC13 0.1UF/10V /X
LC14 0.1UF/16V
LC86 1UF/16V c0603 /AR8132
LR74 0Ohm /AR8132
LR71 0Ohm /X
LR5 330Ohm /AR8113
LR4 10KOhm /AR8113
Q1 MW772M3L /AR8113
LC6 0.1UF/16V
1.2VCTR/2.5V_10mil
LC81 0.1UF/10V /8132
LC8 1UF/16V c0603 /8113
LC52 10uF/10V c0805 /X
AVDD_CEN
0Ohm LR72 /AR8132
VDDHO/VDD17
LL6 4.7UH /AR8132
LC85 0.1UF/16V c0402 /AR8132
LC82 10uF/10V c0805 /AR8132
0Ohm LR73 /AR8113
LC7 1UF/16V /AR8113 c0603
LX_VDD18O
LR3 10KOhm
DVDDL
LT1
LED_10_100
LED_ACT
X_LANTXN (4)
X_LANTXP (4)
AVDDLVCO2
CLK_PCIE_LAN_C
CLK_PCIE_LAN#_C
T1CX1
T1CX2
0.1UF/16V
C_PCIE_LAN (12)
C_PCIE_LAN# (12)
PCIE_RXP2_LAN_C
PCIE_RXN2_LAN_C
T1CX3
T1CX4
X_LANRXP (4)
X_LANRXN (4)
LR31 4.7KOhm /X
LU1
VDD18O
VDD3
RESET_L
WAKE_L
CTR12
VDDHO
VBG1P18
VDDAL3
XTLO
XTLI
VDDAL4
RBIAS
AR8132
VDDAL5
TEST_RST_L
TESTMODE
SMDATA
VDDL1
SMCLK
TWSI_DATA
TWSI_CLK
VDDL2
LED_DUPLEX_L
LED_LINK1000_L
VDDAH3
LR6 4.7KOhm /X
(5,15,22,41) PLT_RST#
(5,15,22,41) PCIE_WAKE#
LR7 0Ohm /AR8113
1.2VCTR/2.5V_10mil
LC9 1UF/16V /AR8113
1000PF/50V LC10 /AR8113
LX1_XTALOUT
LX1_XTALIN
AVDDLVCO1
LAN_RBIAS
2.37KOHM 1% LR8
LR75 4.7KOhm /X
For 25/48 Trap
LAN_EEDATA
LAN_EECLK
LC84 0.1UF/16V /X
LAN_MDI_0+
LAN_MDI_0-
LAN_MDI_1+
LAN_MDI_1-
LL1 120Ohm/100Mhz /AR8113
LC17 0.1UF/16V
LC18 0.1UF/16V
LC19 0.1UF/10V /X
LC87 1UF/16V c0603 /AR8132
LL2 120Ohm/100Mhz
LL3 120Ohm/100Mhz
LC22 1UF/16V c0603 /X
LC23 1000PF/50V /X
LC32 0.1UF/16V
To pin11
AVDDLVCO2
To pin42
LC24 0.1UF/16V
LU3
RD+
RD-
RDCT
PTCT/TDCT
TD+
TD-
NC1
NC2
RX+
RX-
RXCT
TXCT
TX+
TX-
NC3
NC4
LFE8423
09G051050010
LC25 0.1UF/16V c0402
LC26 0.1UF/16V c0402
LAN_RXP_L
LAN_RXN_L
LAN_TXCT
LAN_TXP_L
LAN_TXN_L
LR51 75Ohm
LR52 75Ohm
FGND
LC27 1000PF/2KV c1206_h75 /X
LC28 1000PF/50V
LR16 0Ohm /X
LR76
LR77
LR78
LR79
LL5
LL4
90Ohm/100Mhz /X
LAN_RXP
LAN_RXN
LAN_TXP
LAN_TXN
LAN connector: 12G148301086
LAN_MODEM
LR53 75Ohm
LR54 75Ohm
LAN_CON78
LAN_CON45
P_GND2
NP_NC2
NP_NC1
P_GND1
MODULAR_JACK_8P
if overclocking LL3 Kept and LL2 removed
if not overclocking LL3 removed and LL2 Kept
C_25M_LAN
LC83 10PF/50V /AR8132
LR9 10MOhm /X
LX1 25Mhz /AR8113
LC15 27PF/50V /AR8113
LC16 27PF/50V /AR8113
LU2
NC1
NC2
E2
VSS
VCC
WC#
SCL
SDA
M24C08-WMN6TP
LR1 4.7KOhm
LR2 4.7KOhm
LAN_EECLK
LAN_EEDATA
(12,30) C_25M_LAN
LC20 0.1UF/16V
LC21 0.1UF/16V
LR10 49.9Ohm 1%
LR12 49.9Ohm 1%
LR13 49.9Ohm 1%
LR14 49.9Ohm 1%
Close to LU1
Title : AR8132
ASUSTek Computer Inc.
Engineer: Henry_Yang
Size A3
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
Sheet 17 of 42

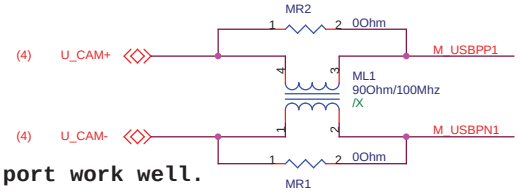

SUS power plane
main power plane
Main power plane,5V tolerance.
GPIO11 +1.8V_DOWN
GPIO15 +1.8V_UP
GPIO13 VCCP_DOWN
GPIO9 VCCP_UP
GPIO14 1.5VS_DOWN
GPIO12 O_KBC_SCI#
GPIO8 EC_SMI#
GPIO10 WLAN_ON#
GPIO24 MINICARD1_EN#
GPIO26 CPU_LEVELDOWN
GPIO28 CPU_LEVELUP
GPIO27 0.89VS_DOWN
SUS power plane ,5V tolerance.
Main power plane ,3V tolerance.
GPIO33 CAMERA_EN
GPIO7 WLAN_LED
GPIO36 BT_DIS#
GPIO34 CARD_READER_EN#
Main power plane ,5V tolerance.
GPIO0 SIMCARD_IN#
GPIO1 3GLAN_OFF
GPIO pull-up resistors.
XDP2
ITP_CON_60P
XDP1
BTOB_CON_31P
Title : RJ45,RJ11
ASUSTek Computer Inc.
Engineer: Henry_Yang
Size A3
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
Sheet 18 of 42

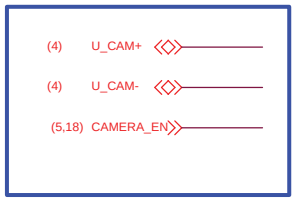
0.1A Beta

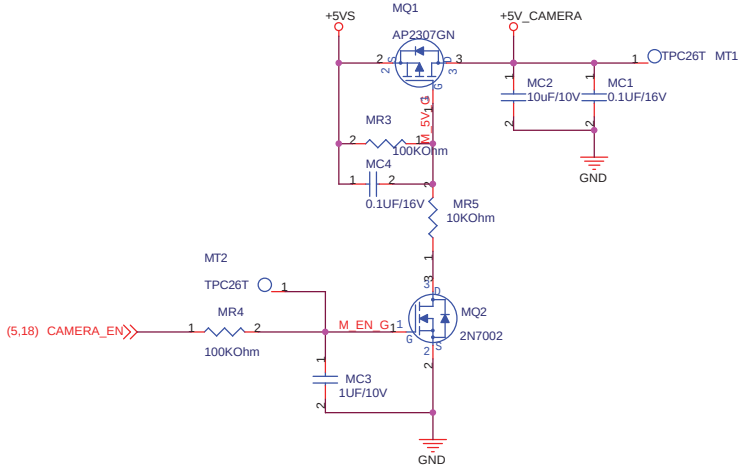


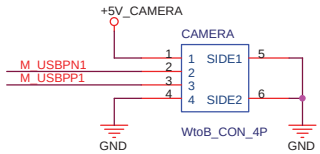
ASUSTek Computer Inc.	Title : Card Reader		
	Engineer: Henry_Yang		
Size: A3	Project Name: PINEVIEW		Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 19 of 42		

For check if the USB port work well.

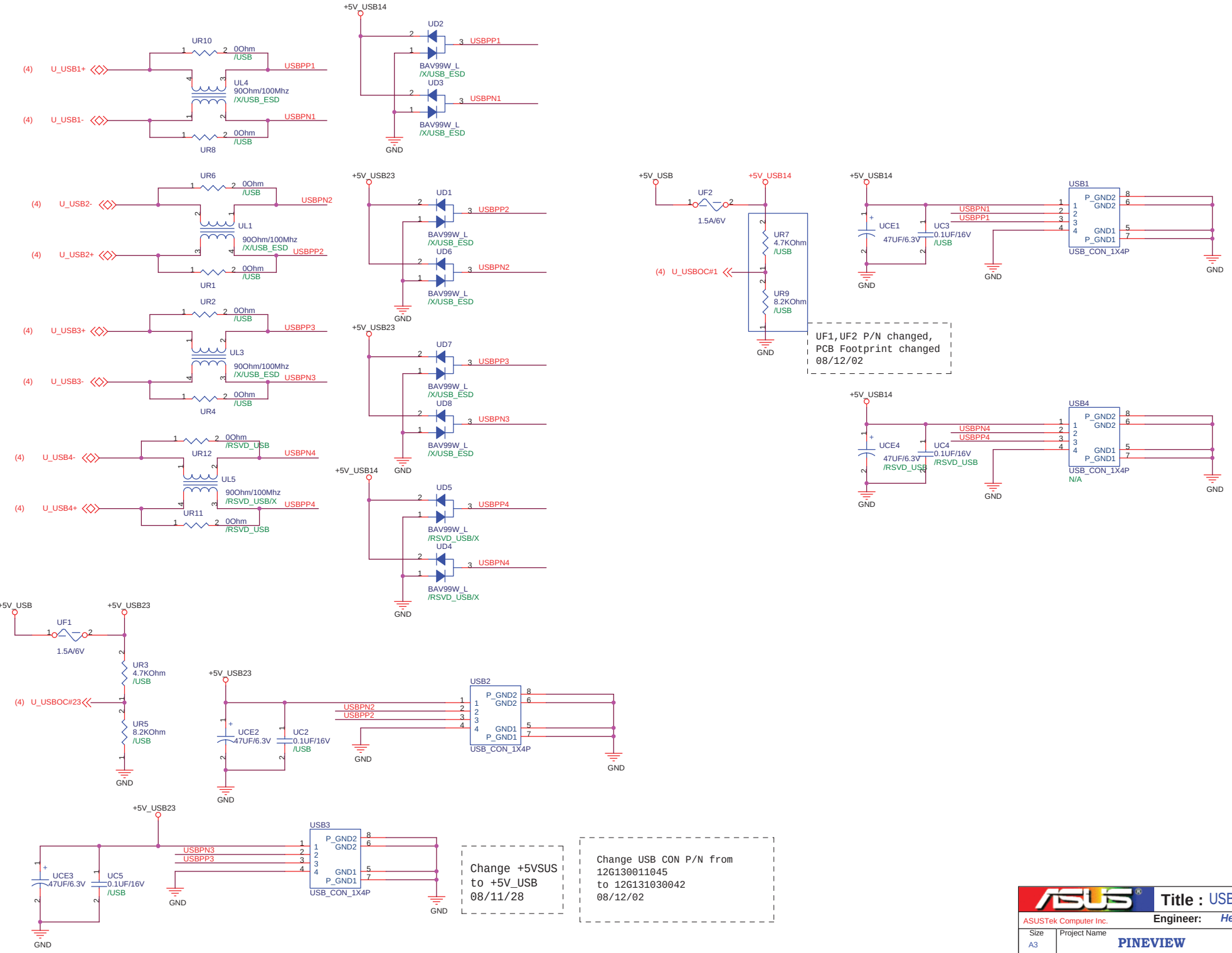








ASUSTek Computer Inc.	Title : Camera		
	Engineer: Henry_Yang		
Size: A3	Project Name: PINEVIEW		Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 20 of 42		



ASUSTek Computer Inc.	Title : USB PORT	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 21 of 42	

H1 U5F-M-EXPREE 13G021036001 GND

H2 U5F-M-EXPREE 13G021036001 GND

MINI CARD NUT(1.6mm) *2

MINICARD use 12G030100052Q

WLAN

WR3 0Ohm /X

(5,15,17,41) PCIE_WAKE# — M_PCIE_WAKE#

(15,41) BT_PRIORITY

(15,41) BT_CH_DATA

WT2 — M1_CLKREQ#

(12,41) C_PCIE_WIFI#

(12,41) C_PCIE_WIFI

WR22 0Ohm N/A

(4) X_L2X1_RXN

(4) X_L2X1_RXP

0Ohm N/A WR23

WR24 0Ohm N/A

(4) X_L2X1_TXN

(4) X_L2X1_TXP

WR25 0Ohm N/A

C_PCIE_WIFI — WC10 10PF/50V /X

C_PCIE_WIFI# — WC11 10PF/50V /X

GND

1	WAKE#	3.3V_1	2
3	Reserved1	GND7	4
5	Reserved2	1.5V_1	6
7	CLKREQ#	UIM_PWR	8
9	GND1	UIM_DATA	10
11	REFCLK-	UIM_CLK	12
13	REFCLK+	UIM_RESET	14
15	GND2	UIM_VPP	16
17	Reserved/UIM_C8	GND8	18
19	Reserved/UIM_C4	W_DISABLE#	20
21	GND3	PERST#	22
23	PERn0	+3.3Vaux	24
25	PERp0	GND9	26
27	GND4	1.5V_2	28
29	GND5	SMB_CLK	30
31	PETn0	SMB_DATA	32
33	PETp0	GND10	34
35	GND6	USB_D-	36
37	Reserved3	USB_D+	38
39	Reserved4	GND11	40
41	Reserved5	LED_WWAN#	42
43	Reserved6	LED_WLAN#	44
45	Reserved7	LED_WPAN#	46
47	Reserved8	1.5V_3	48
49	Reserved9	GND12	50
51	Reserved10	3.3V_2	52
53	GND13	NP_NC2	56
54	GND14	NP_NC1	55

MINI_PCI_LATCH_52P

+3VS_PE +1.5VS_PE +3VSUS_PE

WLAN_ON

WLAN_RST# — WR14 0Ohm /X — WLAN_RST#_R

MSMB_CLK1 — WR5 10KOhm

MSMB_DATA1 — WR6 10KOhm

LED_WLAN# — WT4

WLAN_ON — WR15 0Ohm /X

WLAN_RST# — WR16 0Ohm /X

WR4 10KOhm /X

WQ1 2N7002 /X

WLAN_ON# (5,18,41)

+3VS_PE 750 mA

WC1 10uF/10V — WC2 0.1UF/16V — WC3 0.1UF/16V /X

+1.5VS_PE 375 mA

WC4 10uF/10V /X — WC5 0.1UF/16V /X — WC6 0.1UF/16V /X — WC7 0.1UF/16V /X

WT1

+3VSUS_PE 250 mA

WC8 1UF/10V /X — WC9 0.1UF/16V /X

WT3

WU1 use 06G030057011

WU1

1	SYSRSTZ	GND	21
2	SHDNZ	OCZ	20
3	STBYZ	RCLKEN	19
4	AVCC_PCI1	AVCC_AUX	18
5	AVCC_PCI2	VOUT_AUX	17
6	VOUT_PCI1	AVCC_L2	16
7	VOUT_PCI2	AVCC_L1	15
8	PERSTZ	VOUT_L2	14
9	NC	VOUT_L1	13
10	AVSS	CPPE#	12
		CPUSB#	11

P2231TFC1 /X

(5,15,17,41) PLT_RST#

WC12 0.1UF/16V /X

+3VS +3VS_PE_R

+3VS_PE +3VS_PE_R — WR12 0Ohm r0603_h24 /X

WLAN_RST#_R

WLANCLK_EN

+3VSUS +3VSUS_PE +1.5VS +1.5VS_PE

MINICARD1_EN# (5,18)

+3VS WC13 0.1UF/16V /X

+1.5VS WC14 0.1UF/16V /X

+3VSUS WC15 0.1UF/16V /X

+3VS_PE WR13 100KOhm /X — WQ2 2N7002 /X — WC20 0.1UF/16V /X

WLANCLK_EN

C_REQ#_WIFI (12)

1.2G

1.2G

+3VS_PE WR9 100KOhm — WC17 0.1UF/16V

WC18 0.1UF/16V N/A

WU2 AME8550BEEVC2702

MRST# — CD OUT IN NC GND

+3VS_PE WR11 10KOhm — Q11 PMBS3904 N/A — WC19 0.1UF/16V /X

WR10 10KOhm

WLAN_RST#

PLT_RST#

+3VS WR17 10KOhm /X — WR8 1KOhm 1%

MINICARD1_EN#

+3VS WQ3 AP2307GN +3VS_PE

TPC26T WT5

TPC26T WT6

WC16 0.1UF/16V /X

Change WR8 to 1K 1%
08/11/26

1.2G

ASUSTek Computer Inc.

Title : WLAN

Engineer: Henry_Yang

Size	Project Name	Rev
A3	PINEVIEW	1.0G

Date: Wednesday, January 14, 2009 Sheet 22 of 42

0.1ABeta

Vout=0.8*(1+(49.9K/10.2K))

+3VS
AL1
120Ohm/100Mhz
+3VS_DVDD
APC2 0.1UF/16V
APC3 10UF/6.3V X5R
APC4 0.1UF/16V
APC5 10UF/16V /X/ALC269 c0805 X5R
Place next to pin 1
Place next to pin 9
GND

+5VS
APU1
SHDN# GND IN SET OUT
APL5315BI-TRL
APC10 0.1UF/16V /X/ALC269
P_5VASET
APC1 1000PF/50V /X/ALC269 X7R
P_5VAOUT
APR1 49.9KOHM 1%
APR2 10.2KOHM 1% r0603
APC11 1UF/10V c0603
0Ohm APL1 r0603_h24
+5V_A
APT1 TPC26T
APC6 10UF/6.3V c0805_h57 X5R
APC7 0.1UF/16V
APC8 10UF/16V /X/ALC269 c0805 X5R
APC9 0.1UF/16V
Place next to pin 38
A_AGND

A_Z_SDOUT (5)
A_Z_BITCLK (5)
A_Z_SDIN0 (5)
A_Z_SYNC (5)
A_Z_RST# (5)
A_OP_SD# (26)

+5VS
AL2
70Ohm/100Mhz
+5VS_PVDD
APC12 0.1UF/16V
APC13 10UF/6.3V c0805_h57 X5R
APC14 0.1UF/16V
APC15 10UF/6.3V c0805_h57 X5R
ACE2 47UF/6.3V c6032 /X/ALC269
Place next to pin 39
Place next to pin 46
P_GND

+5VS_MIC2_AMP
AL3
70Ohm/100Mhz
ACE1 100UF/6.3V c7343d_h87 /X/ALC269
APC16 0.1UF/16V
APC17 10UF/6.3V X5R
GND
A_GND

+5VS_PVDD
P_GND
A_SPK_R+_R (25)
A_SPK_R-_R (25)
A_SPK_L-_R (25)
A_SPK_L+_R (25)
+5VS_PVDD
+5V_A
P_GND
A_GND
+3VS_DVDD

AU1A
ALC269Q-A5-GR
GND SPDIFO SPDIFO2 PVDD2 SPK_OUT_R+ SPK_OUT_R- PVSS2 PVSS1 SPK_OUT_L- SPK_OUT_L+ PVDD1 AVDD2 AVSS2
DVDD GPIO0/DMIC_DATA GPIO1/DMIC_CLK PD# SDATA_OUT BCLK DVSS SDATA_IN DVDD_IO SYNC RESET# PCBEEP
CBP CBN CPVEE HPOUT_R HPOUT_L CPVREF MIC1_VREFO_R MIC2_VREFO MIC1_VREFO_L VREF AVSS1 AVDD1
SenseA LINE2_L LINE2_R MIC2_R SenseB JDREF MONO_OUT MIC1_R LINE1_L LINE1_R
power plane
Digital plane
Analog plane

0V : Power down Class D SPK amplifer
3.3V : Power up Class D SPK amplifer
A_PD#
(25) A_DMIC_DATA
(25) A_DMIC_CLK
(5) A_Z_SDOUT
(5) A_Z_BITCLK
(5) A_Z_SDIN0
(5) A_Z_SYNC
(5) A_Z_RST#
AR1 33Ohm
A_Z_SDIN0_R
A_PCBEEP
AC7 22PF/50V
AR2 0OHM /X/ALC269
GND

A_CBP
AC1 2.2UF/16V c0603 X7R
A_CBN
A_CPVEE
A_HP_R (25)
A_HP_L (25)
A_BIAS_MIC1_R (25)
A_BIAS_MIC2 (24)
A_BIAS_MIC1_L (25)
A_VREF
AC2 2.2UF/16V c0603 X7R
AC3 0.1UF/16V
AC4 10UF/6.3V X5R c0805_h57
Place near to pin 27
A_GND

(26) A_OP_SD#
AR4 0Ohm
A_OP_SD#_R
A_Z_RST#
AR3 0Ohm
A_Z_RST#_R
AD1 BAT54AW sot323
A_PD#

A_SENSE
A_JDREF
1UF/16V AC34 /3.5G/X
AC35 1UF/16V /3.5G/X
AR5 20KOhm 1%
3G_R_A
A_GND

(25) A_JD_HP
AR7 39.2KOhm 1%
(25) A_JD_MIC1
AR8 20KOhm 1%

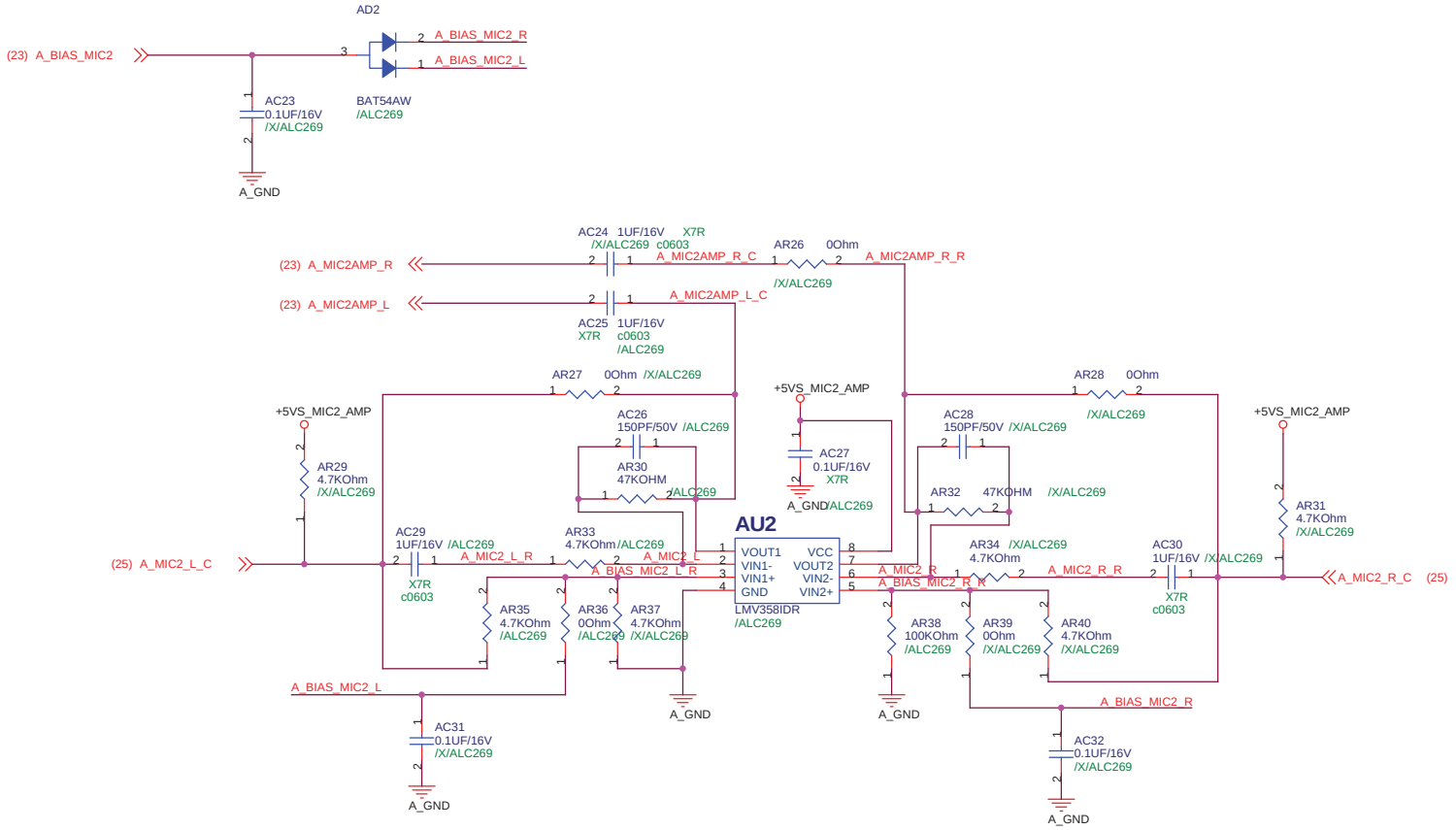
+5V_A
AC5 0.1UF/16V
AC6 10UF/6.3V X5R
Place near to pin 25
(15)
A_GND

A_MIC1_R (25)
A_MIC1_L (25)
AC33 1UF/16V /3.5G/X
3G_MIC (15)
A_MIC2AMP_R (24)
A_MIC2AMP_L (24)

AU1B
ALC269Q-A5-GR
GND1 GND2 GND3 GND4 GND5 GND6 GND7 GND8
P_GND

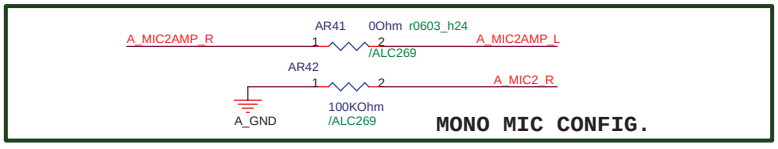
ASUSTek Computer Inc.
Title : ALC269-1
Engineer: Henry_Yang
Size A3
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
Sheet 23 of 42

0.1ABeta



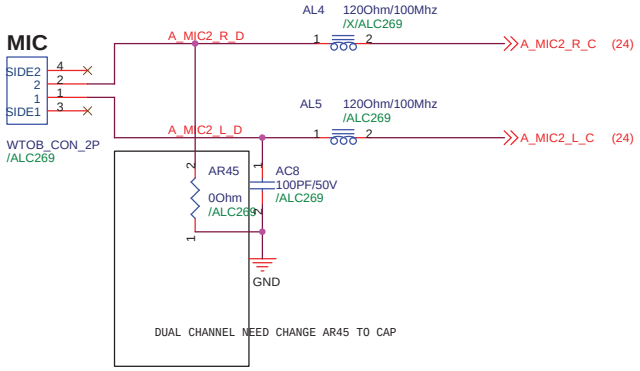
Internal MIC Amp.

FL = 33.86kHz, FH = 22.5kHz



ASUSTek Computer Inc.	Title : Internal MIC AMP	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 24 of 42	

Internal MIC

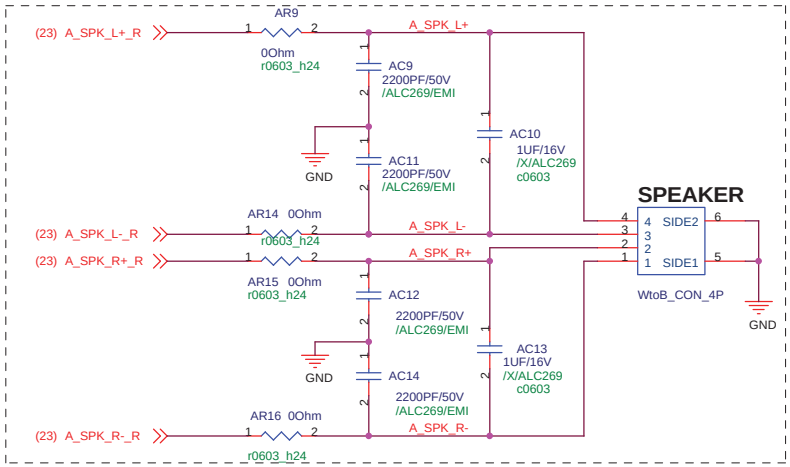


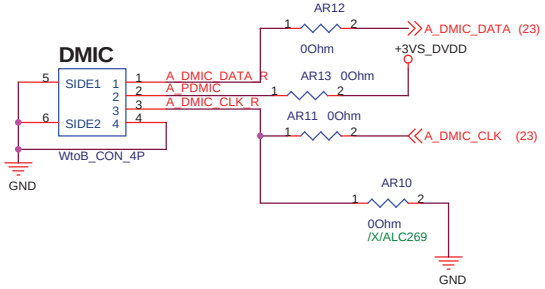
Change AR21,AR22 to 1K 1%
08/11/26

SPEAKER

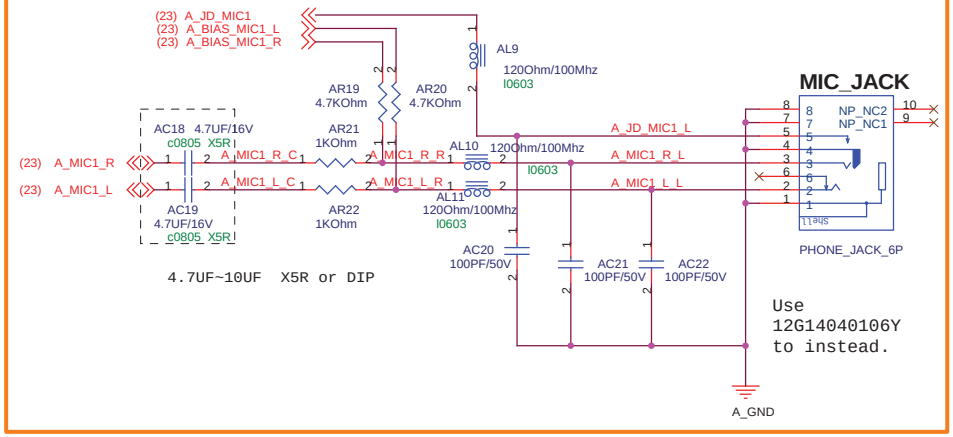
Demodulation Filter
Placement near
Audio Codec

<<Attention>>
you can use LC filter(AR9,AR14,AR15,AR16 mount 8.2uH L ;and mount AC10,AC13) to eliminate the EMI(please don't use general beads,because they may influence the THD+N quality) , AC9/AC11/AC12/AC14 are reserved for EMI fine-tune ; For EMI issue, All L and C should near to codec



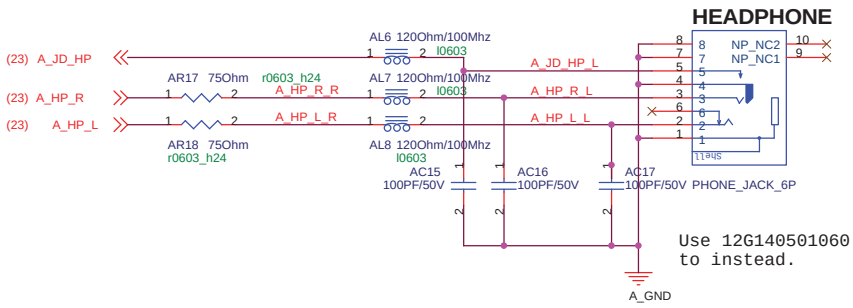


MIC JACK

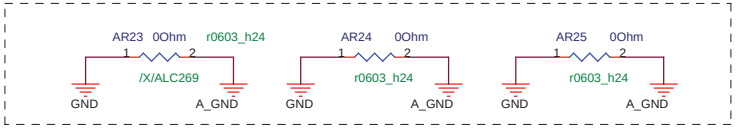


Use 12G14040106Y to instead.

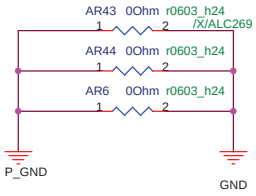
HEADPHONE



Use 12G140501060 to instead.

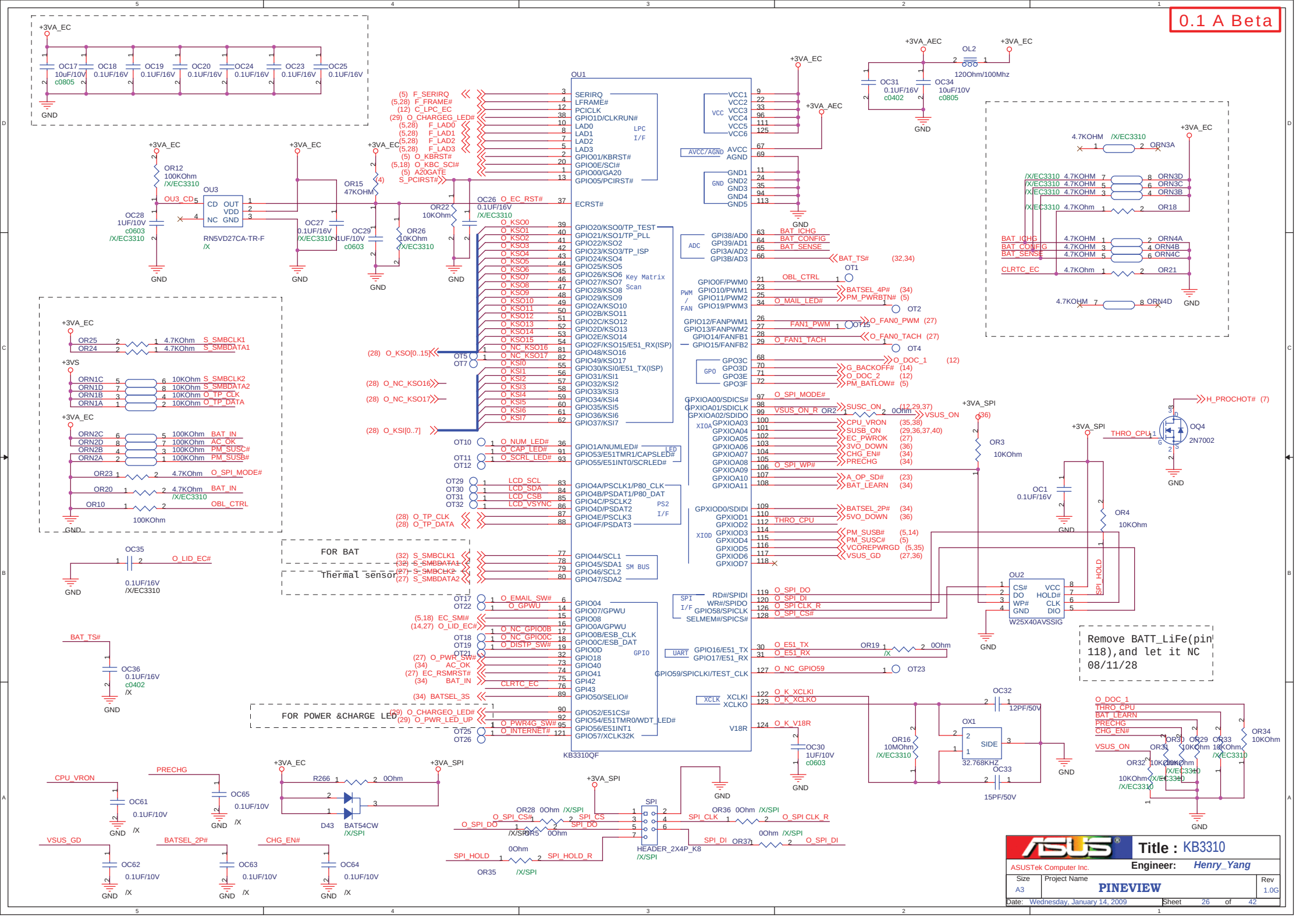


AR24, AR25 can use 0.1UF 11G233310432320 for EMI



ASUSTek Computer Inc.	Title : JACK&SPEAKER	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 25 of 42	

0.1 A Beta


+3VA_EC
OC17 10uF/10V c0805
OC18 0.1UF/16V
OC19 0.1UF/16V
OC20 0.1UF/16V
OC24 0.1UF/16V
OC23 0.1UF/16V
OC25 0.1UF/16V
GND
OU1
KB3310QF
SERIRQ
LFRAME#
PCICLK
GPIO1D/CLKRUN#
LAD0
LAD1
LAD2
LAD3
GPIO01/KBRST#
GPIO0E/SCI#
GPIO00/GA20
GPIO05/PCIRST#
LPC I/F
ECRST#
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)
GPIO48/KSO16
GPIO49/KSO17
GPIO30/KSI0/E51_TX(ISP)
GPIO31/KSI1
GPIO32/KSI2
GPIO33/KSI3
GPIO34/KSI4
GPIO35/KSI5
GPIO36/KSI6
GPIO37/KSI7
Key Matrix Scan
GPIO1A/NUMLED#
GPIO53/E51TMR1/CAPSLED#
GPIO55/E51INT0/SCRLED#
LED
GPIO4A/PSCLK1/P80_CLK
GPIO4B/PSDAT1/P80_DAT
GPIO4C/PSCLK2
GPIO4D/PSDAT2
GPIO4E/PSCLK3
GPIO4F/PSDAT3
PS2 I/F
GPIO44/SCL1
GPIO45/SDA1
GPIO46/SCL2
GPIO47/SDA2
SM BUS
GPIO04
GPIO07/GPWU
GPIO08
GPIO0A/GPWU
GPIOOB/ESB_CLK
GPIO0C/ESB_DAT
GPIO0D
GPIO18
GPIO40
GPIO41
GPI42
GPI43
GPIO50/SELIO#
GPIO52/E51CS#
GPIO54/E51TMR0/WDT_LED#
GPIO56/E51INT1
GPIO57/XCLK32K
GPIO
VCC1
VCC2
VCC3
VCC4
VCC5
VCC6
VCC
AVCC
AGND
AVCC/AGND
GND1
GND2
GND3
GND4
GND5
GND
GPIO38/AD0
GPIO39/AD1
GPIO3A/AD2
GPIO3B/AD3
ADC
GPIO0F/PWM0
GPIO10/PWM1
GPIO11/PWM2
GPIO19/PWM3
PWM / FAN
GPIO12/FANPWM1
GPIO13/FANPWM2
GPIO14/FANFB1
GPIO15/FANFB2
GPO3C
GPO3D
GPO3E
GPO3F
GPO
GPXIOA00/SDICS#
GPXIOA01/SDICLK
GPXIOA02/SDIDO
GPXIOA03
GPXIOA04
GPXIOA05
GPXIOA06
GPXIOA07
GPXIOA08
GPXIOA09
GPXIOA10
GPXIOA11
XIOA
GPXIOD0/SDIDI
GPXIOD1
GPXIOD2
GPXIOD3
GPXIOD4
GPXIOD5
GPXIOD6
GPXIOD7
XIOD
RD#/SPIDI
WR#/SPIDO
GPIO58/SPICLK
SELMEM#/SPICS#
SPI I/F
GPIO16/E51_TX
GPIO17/E51_RX
UART
GPIO59/SPICLKI/TEST_CLK
XCLKI
XCLKO
XCLK
V18R
BAT_ICHG
BAT_CONFIG
BAT_SENSE
BAT_TS# (32,34)
OBL_CTRL
BATSEL_4P# (34)
PM_PWRBTN# (5)
O_MAIL_LED#
FAN1_PWM
O_FAN0_PWM (27)
O_FAN1_TACH
O_FAN0_TACH (27)
O_DOC_1 (12)
G_BACKOFF# (14)
O_DOC_2 (12)
PM_BATLOW# (5)
O_SPI_MODE#
SUSC_ON (12,29,37)
VSUS_ON_R
VSUS_ON (36)
CPU_VRON (35,38)
SUSB_ON (29,36,37,40)
EC_PWROK (27)
3VO_DOWN (36)
CHG_EN# (34)
PRECHG (34)
O_SPI_WP#
A_OP_SD# (23)
BAT_LEARN (34)
BATSEL_2P# (34)
5VO_DOWN (36)
THRO_CPU
PM_SUSB# (5,14)
PM_SUSC# (5)
VCOREPWRGD (5,35)
VSUS_GD (27,36)
O_SPI_DO
O_SPI_DI
O_SPI_CLK_R
O_SPI_CS#
O_E51_TX
O_E51_RX
O_NC_GPIO59
O_K_XCLKI
O_K_XCLKO
O_K_V18R
O_SPI_HOLD
H_PROCHOT# (7)
O_KSO[0..15] (28)
O_NC_KSO16 (28)
O_NC_KSO17 (28)
O_KSI[0..7] (28)
O_TP_CLK (28)
O_TP_DATA (28)
F_SERIRQ (5)
F_FRAME# (5,28)
C_LPC_EC (12)
O_CHARGEG_LED# (29)
F_LAD0 (5,28)
F_LAD1 (5,28)
F_LAD2 (5,28)
F_LAD3 (5,28)
O_KBRST# (5)
O_KBC_SCI# (5,18)
A20GATE (5)
S_PCIRST# (4)
O_EC_RST#
O_NUM_LED#
O_CAP_LED#
O_SCRL_LED#
LCD_SCL
LCD_SDA
LCD_CSB
LCD_VSYNC
S_SMBCLK1 (32)
S_SMBDATA1 (32)
S_SMBCLK2 (27)
S_SMBDATA2 (27)
O_EMAIL_SW#
O_GPWU
EC_SMI# (5,18)
O_LID_EC# (14,27)
O_NC_GPIO0B
O_NC_GPIO0C
O_DISTP_SW#
O_PWR_SW# (27)
AC_OK (34)
EC_RSMRST# (27)
BAT_IN (34)
CLRTC_EC
BATSEL_3S (34)
O_CHARGEO_LED# (29)
O_PWR_LED_UP (29)
O_PWR4G_SW#
O_INTERNET#
OR12 100KOhm /X/EC3310
OR15 47KOHM
OR22 10KOhm
OR26 10KOhm /X/EC3310
OR25 4.7KOhm S_SMBCLK1
OR24 4.7KOhm S_SMBDATA1
ORN1C 10KOhm S_SMBCLK2
ORN1D 10KOhm S_SMBDATA2
ORN1B 10KOhm O_TP_CLK
ORN1A 10KOhm O_TP_DATA
ORN2C 100KOhm BAT_IN
ORN2D 100KOhm AC_OK
ORN2B 100KOhm PM_SUSC#
ORN2A 100KOhm PM_SUSB#
OR23 4.7KOhm O_SPI_MODE#
OR20 4.7KOhm BAT_IN /X/EC3310
OR10 OBL_CTRL 100KOhm
OR3 10KOhm
OR4 10KOhm
OR19 0Ohm /X
OR16 10MOhm /X/EC3310
OR28 0Ohm /X/SPI
OR36 0Ohm /X/SPI
OR35 0Ohm /X/SPI
OR37 0Ohm /X/SPI
OR34 10KOhm
OR30 10KOhm
OR29 10KOhm
OR33 10KOhm /X/EC3310
OR31 10KOhm /X/EC3310
OR32 10KOhm /X/EC3310
OR18
OR21
OR4A
OR4B
OR4C
OR4D
OR3A
OR3B
OR3C
OR3D
OC26 0.1UF/16V /X/EC3310
OC27 0.1UF/16V /X/EC3310
OC28 1UF/10V c0603 /X/EC3310
OC29 1UF/10V c0603
OC31 0.1UF/16V c0402
OC34 10uF/10V c0805
OC35 0.1UF/16V /X/EC3310
OC36 0.1UF/16V c0402 /X
OC30 1UF/10V c0603
OC32 12PF/50V
OC33 15PF/50V
OC1 0.1UF/16V
OC61 0.1UF/10V /X
OC65 0.1UF/10V /X
OC62 0.1UF/10V /X
OC63 0.1UF/10V /X
OC64 0.1UF/10V /X
OL2 120Ohm/100Mhz
OQ4 2N7002
OU2 W25X40AVSSIG
OU3 RN5VD27CA-TR-F /X
OT1 OT2 OT4 OT5 OT7 OT10 OT11 OT12 OT15 OT17 OT18 OT19 OT21 OT22 OT23 OT25 OT26 OT29 OT30 OT31 OT32
OX1 32.768KHZ
R266 0Ohm
D43 BAT54CW /X/SPI
SPI
HEADER_2X4P_K8 /X/SPI
FOR BAT
Thermal sensor
FOR POWER &CHARGE LED
Remove BATT_LiFe(pin 118),and let it NC 08/11/28
ASUSTek Computer Inc.
Title : KB3310
Engineer: Henry_Yang
Size A3
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
Sheet 26 of 42

0.1 A Beta

Remove Force_off function 08/11/28

H_THERM_CPU+
H_THERM_CPU-
OC12 1000PF/50V X7R
S_SMBCLK2 OC11 10PF/50V /X/EC3310
S_SMBDATA2 OC10 10PF/50V /X/EC3310
GND
+3V_THRM
OC13 0.1UF/16V
OR9 0Ohm
OR6 0Ohm /X/EC3310
+3VS +3VA_EC
GND

+3V_THRM
OU4
(26) S_SMBCLK2
(26) S_SMBDATA2
(5) THERMAL_ALERT#
OR38 0Ohm /X
SMBCLK VCC
SMBDATA DXP
ALERT# DXN
GND THERM#
G781P8F
H_THERM_CPU+ (7)
H_THERM_CPU- (7)
GND
OU4 use 06G023048021

For EMI 09/07
PWRBTN#
EC63 0.1UF/16V /X
GND

+3VA_EC
ORN6B 100KOHM
ORN6C 100KOHM
PWRBTN#
OT20 for ATS
OD6 BAT54AW
(14,26) O_LID_EC#
O_D10
OQ1 2N7002
OR14 0Ohm /X/EC3310
OC15 0.1UF/16V /X/EC3310
PWRSW#
OR11 33Ohm
ORN6D 100KOHM
OC14 0.1UF/16V /X/EC3310
GND
+3VA_EC
PWRBTN#
PWRBTN
TACT_SWITCH_5P
ORN6A 100KOHM
OT3
O_PWR_SW# (26)

prevent system power on when LCD close

BOTTOM_BTN#
SW6
TACT_SWITCH_5P
C80 0.1UF/16V /X
R99 0Ohm
SYS_RESET# (5,12,18)
GND

+5VS
OC8 10uF/10V c0805
OC9 0.1UF/16V
GND
ORN5A 4.7KOhm
(26) O_FAN0_TACH
FAN_TACH
ORN5B 4.7KOhm
+5VS
FAN
SIDE1
SIDE2
WtoB_CON_4P
OR1 18.2KOhm 1%
+3VA_EC
OC6 100PF/50V /X/EC3310
ORN5C 4.7KOhm
ORN5D 4.7KOhm
FAN_PWM
+3VA_R
OQ3 2N7002
OC7 100PF/50V /X/EC3310
(26) O_FAN0_PWM

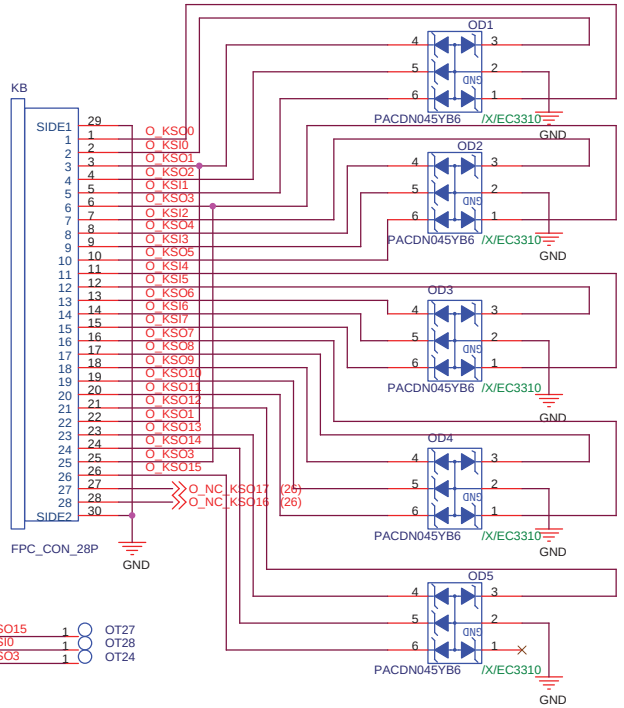
+3VSUS
OR222 10KOhm N/A
OD10 BAT54AW N/A
(26,36) VSUS_GD
(26) EC_RSMRST#
PM_RSMRST# (5)
EC_RSMRST# R199 0Ohm /X PM_RSMRST#
+3VS
OR233 10KOhm N/A
OD20 BAT54AW N/A
(26,36) VSUS_GD
(26) EC_PWROK
PM_PWROK (5,8)
EC_PWROK R299 0Ohm /X PM_PWROK

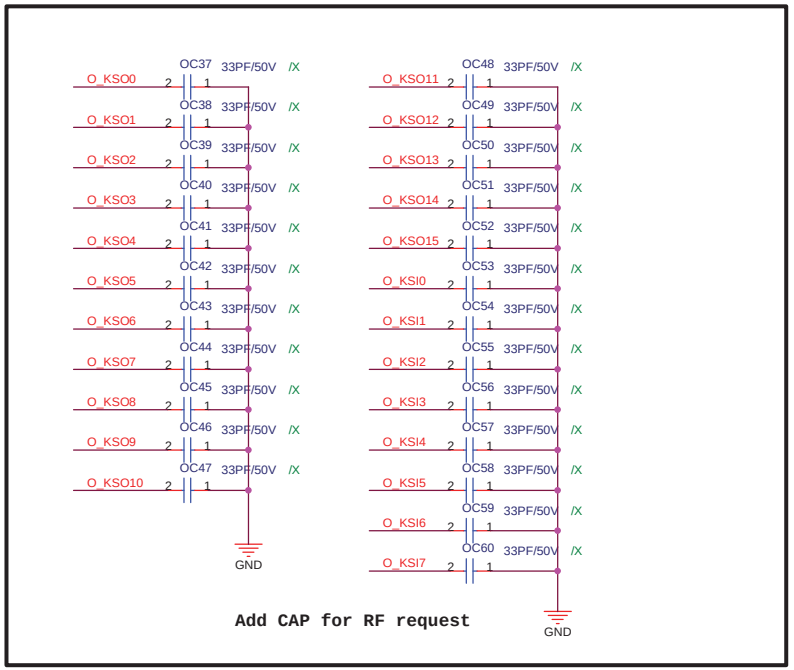
900HA 1.1G
For RTC Issue
12/05

ASUSTek Computer Inc.
Title : T sensor&BTN
Engineer: Henry_Yang
Size A3
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
Sheet 27 of 42

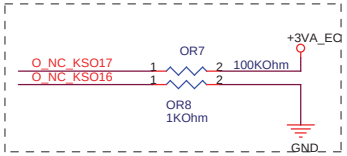
0.1 A Beta

For Keyboard



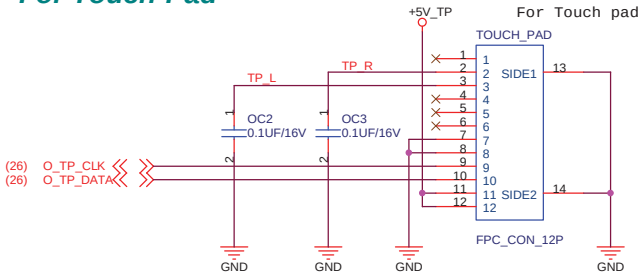


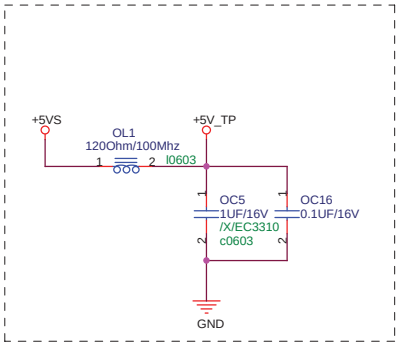
Add CAP for RF request

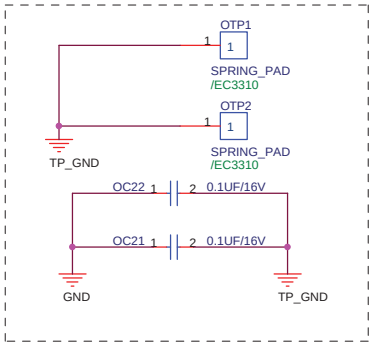


Change OR8 to 1K 1%
08/11/26

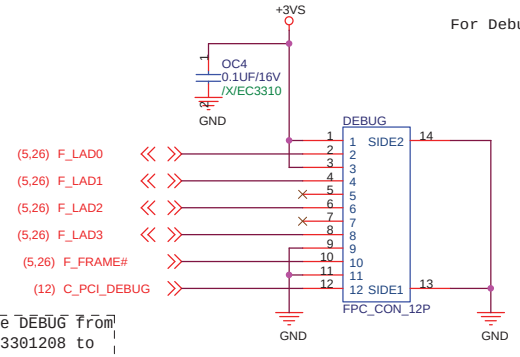
For Touch-Pad







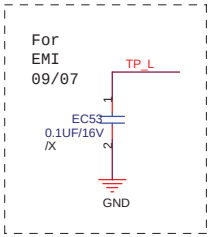
For Debug



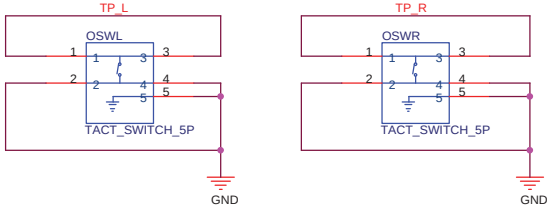
Change DEBUG from 12G183301208 to 12G183101205
08/11/27

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

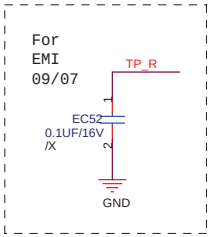
For EMI 09/07



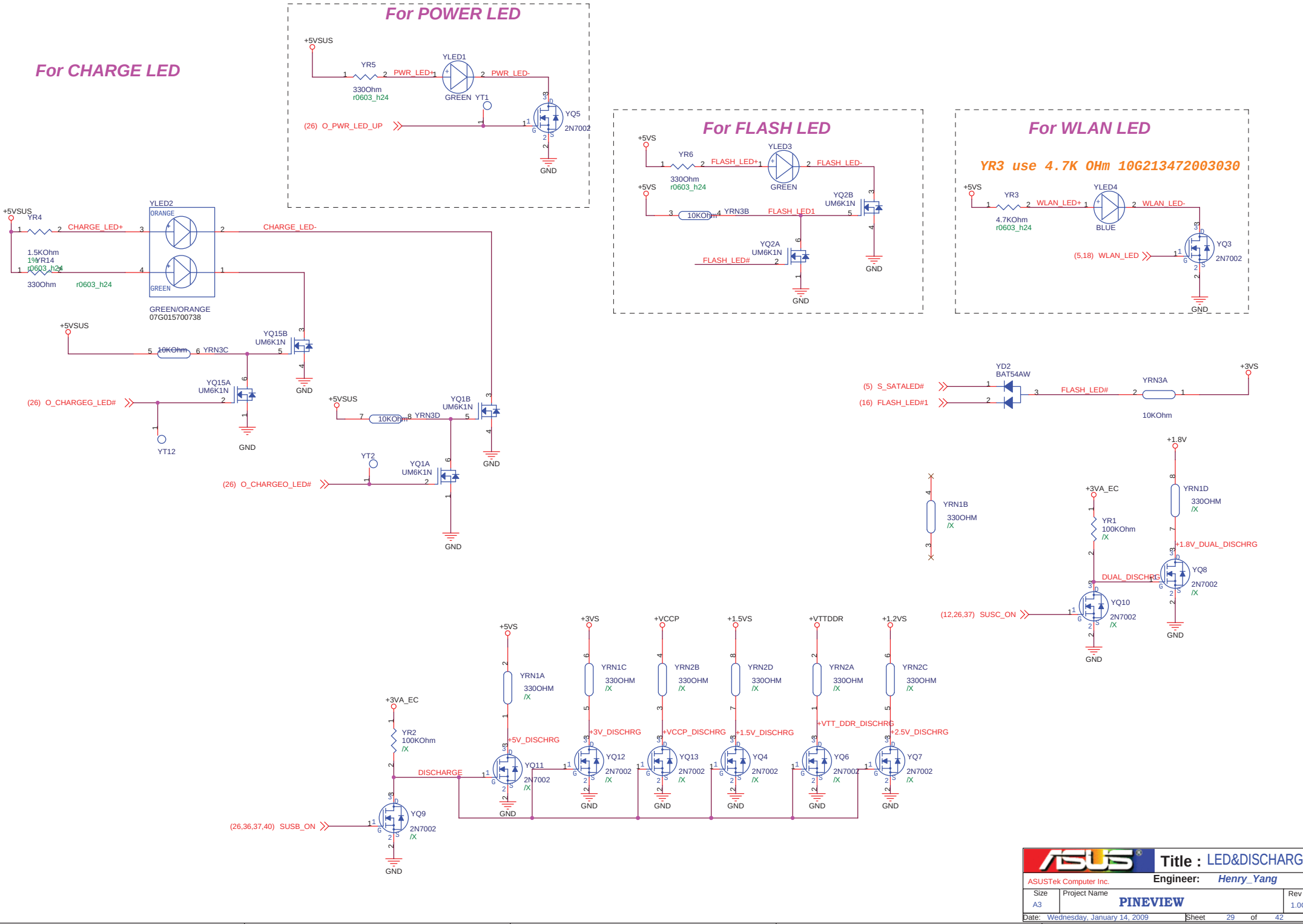
OSW1, OSW2 use 12G09103305N

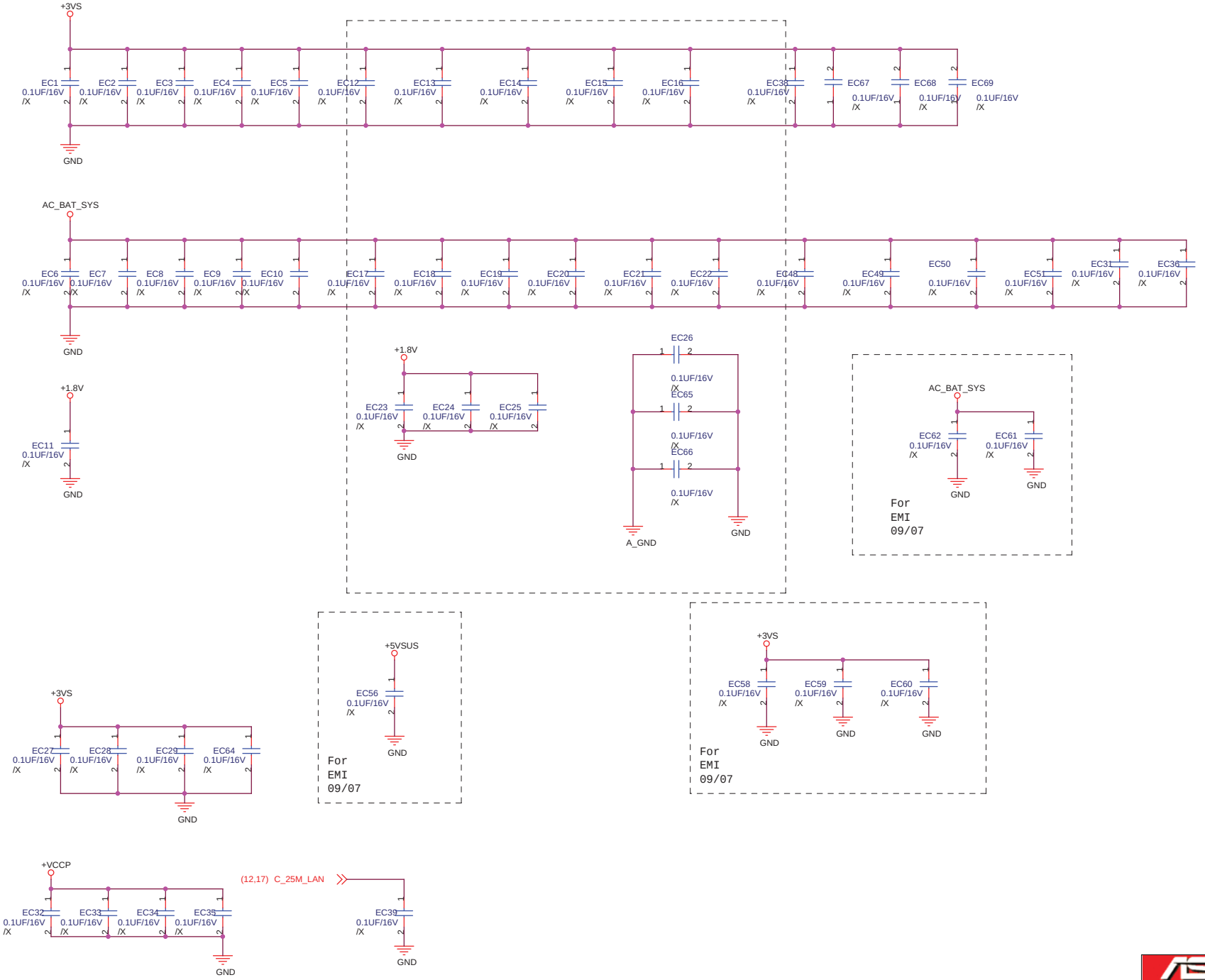


For EMI 09/07

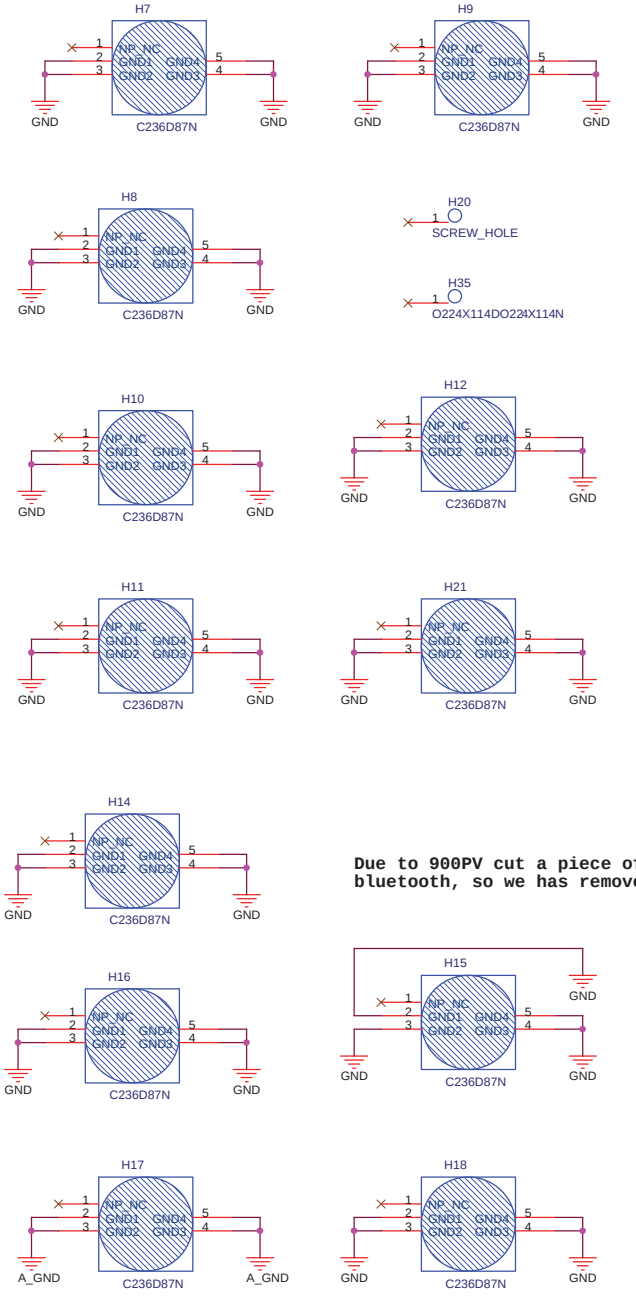


ASUSTek Computer Inc.	Title : TP&KB	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 28 of 42	


For POWER LED
For CHARGE LED
For FLASH LED
For WLAN LED
YR3 use 4.7K OHm 10G213472003030
+5VSUS
YR5
330Ohm
r0603_h24
PWR_LED+
PWR_LED-
YLED1
GREEN
YT1
(26) O_PWR_LED_UP
YQ5
2N7002
GND
+5VS
YR6
FLASH_LED+
FLASH_LED-
YLED3
YQ2B
UM6K1N
10KOhm
YRN3B
FLASH_LED1
YQ2A
FLASH_LED#
YR3
4.7KOhm
WLAN_LED+
WLAN_LED-
YLED4
BLUE
(5,18) WLAN_LED
YQ3
YR4
1.5KOhm
1%
YR14
CHARGE_LED+
CHARGE_LED-
YLED2
ORANGE
GREEN
GREEN/ORANGE
07G015700738
YQ15B
YRN3C
YQ15A
(26) O_CHARGEG_LED#
YT12
YQ1B
YRN3D
YQ1A
YT2
(26) O_CHARGEO_LED#
YD2
BAT54AW
(5) S_SATALED#
(16) FLASH_LED#1
YRN3A
+3VS
+1.8V
YRN1B
YRN1D
+3VA_EC
YR1
100KOhm
/X
+1.8V_DUAL_DISCHRG
DUAL_DISCHRG
YQ8
YQ10
(12,26,37) SUSC_ON
YRN1A
YRN1C
YRN2B
YRN2D
YRN2A
YRN2C
+VCCP
+1.5VS
+VTTDDR
+1.2VS
YR2
DISCHARGE
+5V_DISCHRG
+3V_DISCHRG
+VCCP_DISCHRG
+1.5V_DISCHRG
+VTT_DDR_DISCHRG
+2.5V_DISCHRG
YQ11
YQ12
YQ13
YQ4
YQ6
YQ7
YQ9
(26,36,37,40) SUSB_ON
Title : LED&DISCHARGE
ASUSTek Computer Inc.
Engineer: Henry_Yang
Size A3
Project Name PINEVIEW
Rev 1.0G
Date: Wednesday, January 14, 2009
Sheet 29 of 42



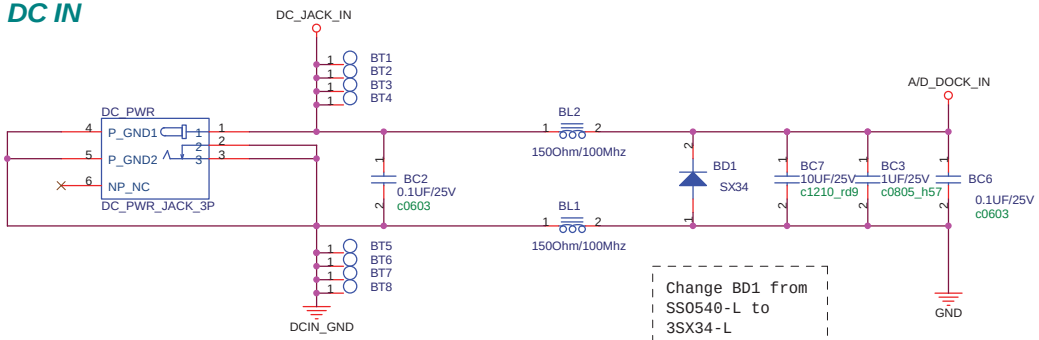
ASUSTEK COMPUTER INC	Title : EMI	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 30 of 42	



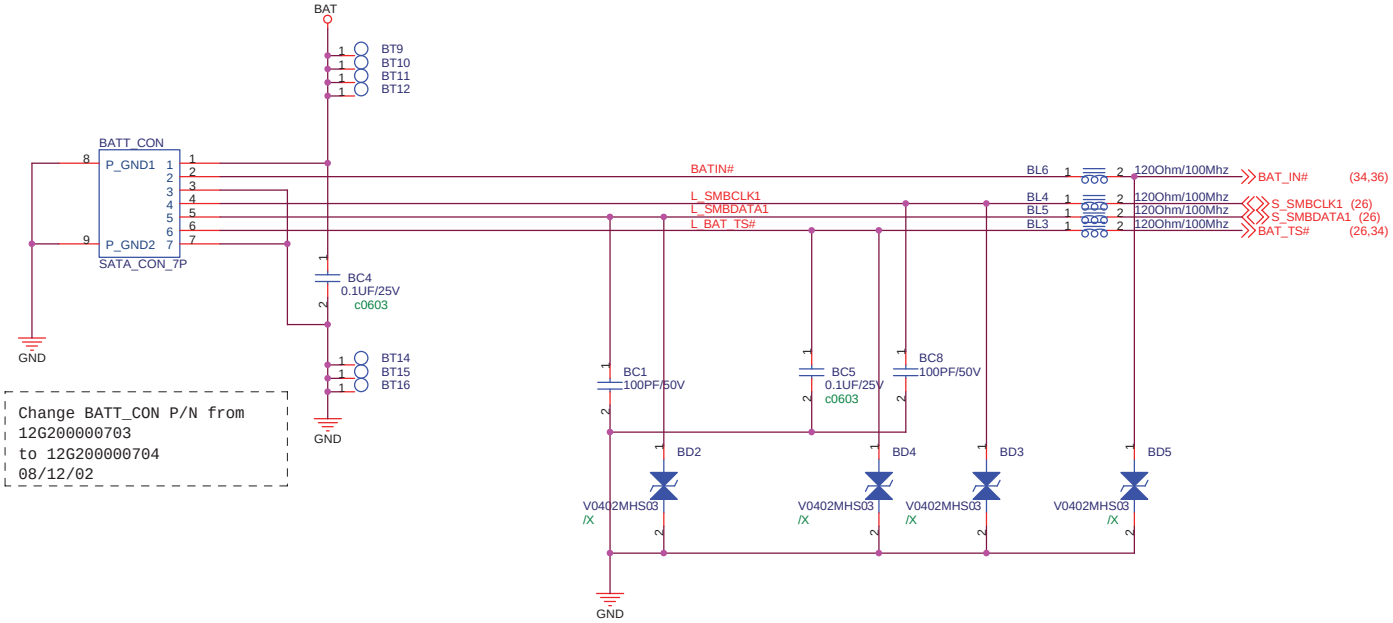
Due to 900PV cut a piece of PCB for bluetooth, so we has removed the H13.

ASUSTek Computer Inc.	Title : SREW HOLE	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 31 of 42	

DC IN

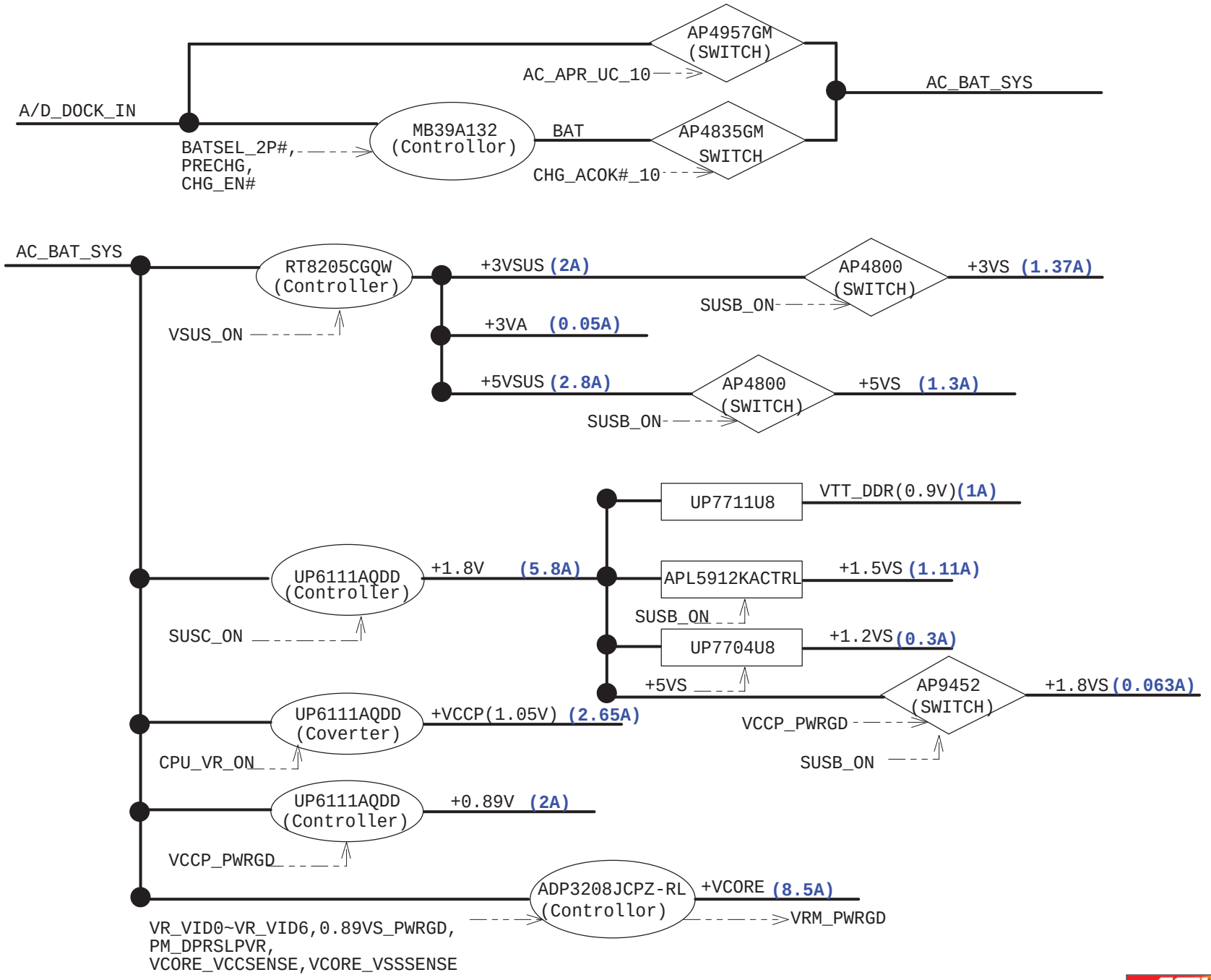


Change BD1 from
SSO540-L to
3SX34-L
08/12/01

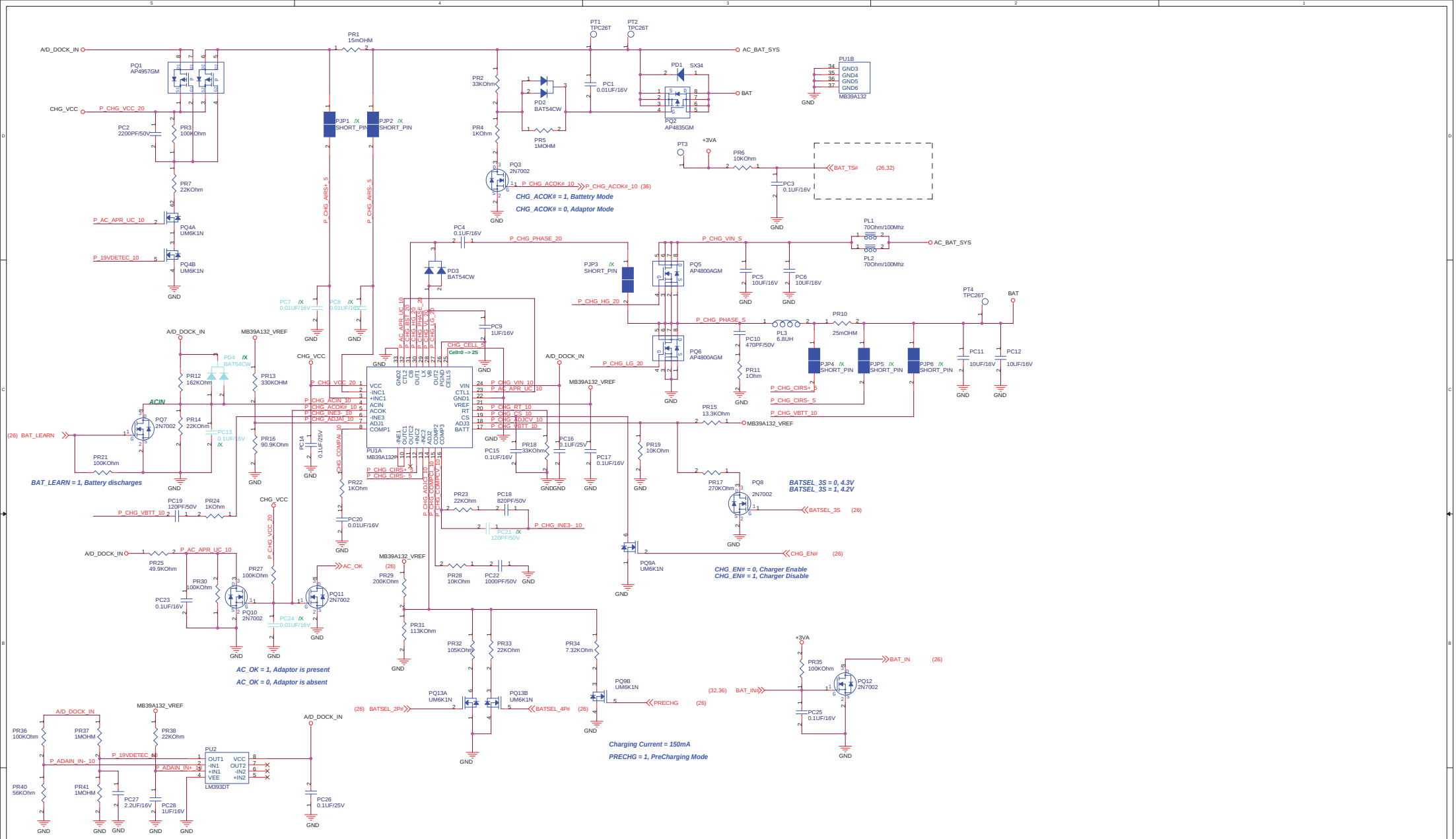


Change BATT_CON P/N from
12G200000703
to 12G200000704
08/12/02

ASUSTek Computer Inc.	Title : PWR JACK	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 32 of 42	



ASUSTek Computer Inc.	Title : POWER FLOW	
	Engineer: Joy_ZHOU	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 33 of 42	



Battery Charging Voltage :

Vadj3 > 4.1V ==> Vbat = 4.2V /cell
2.2V>Vadj3>1.1V ==> Vbat = 2*Vadj3 /cell

Battery Charging Current :

4.4V > Vadj2 >= 0V ==>
Ichg = (Vadj2-0.075)/(25*Rs)

Input Adaptor Max. Current Limit :

Ilimit_current = (Vadj1-0.075) / (25*Rs)

Pre-Charging Mode :

Precharging current = 146mA
Vadj2 = 166mV

Adaptor Max. Current :

PR13=330KOHM; PR16=90.9KOHM=>
Ilimit = 2.679A

ACIN Threshold = 1.25V

Adaptor >10.45V, System Powered by Adaptor

Adaptor <10.45V, System Powered by Battery

Prevent Input from 19V :

Adaptor > 13.92V, PQ4B Turn-off

Adaptor < 13.92V, PQ4B Turn-on

Battery Cell Selection :

CELLS:VREF,4-Cell;

CELLS:OPEN,3-Cell;

CELLS:GND,2-Cell;

VREF = 5.0V

fosc(KHz) = 17000 / RT (KOhm)
=515KHz

Soft start:

ts(s) = 0.23 * CS (uF)

=23mS

Charging Current :

4P#	2P#	Icharge
1	0	0.56A
0	1	1.6A
0	0	2.8A

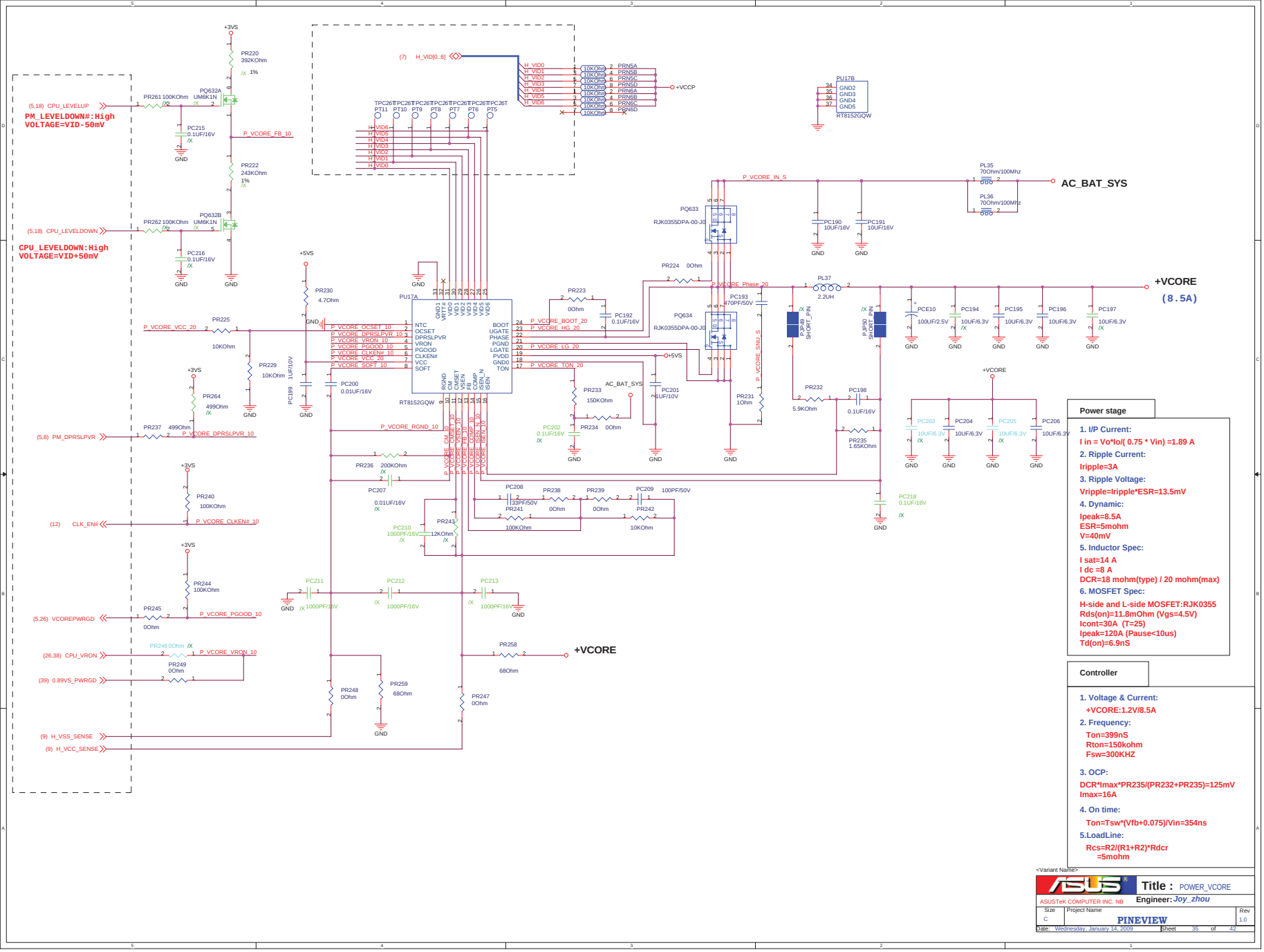
ASUSTeK Computer Inc.

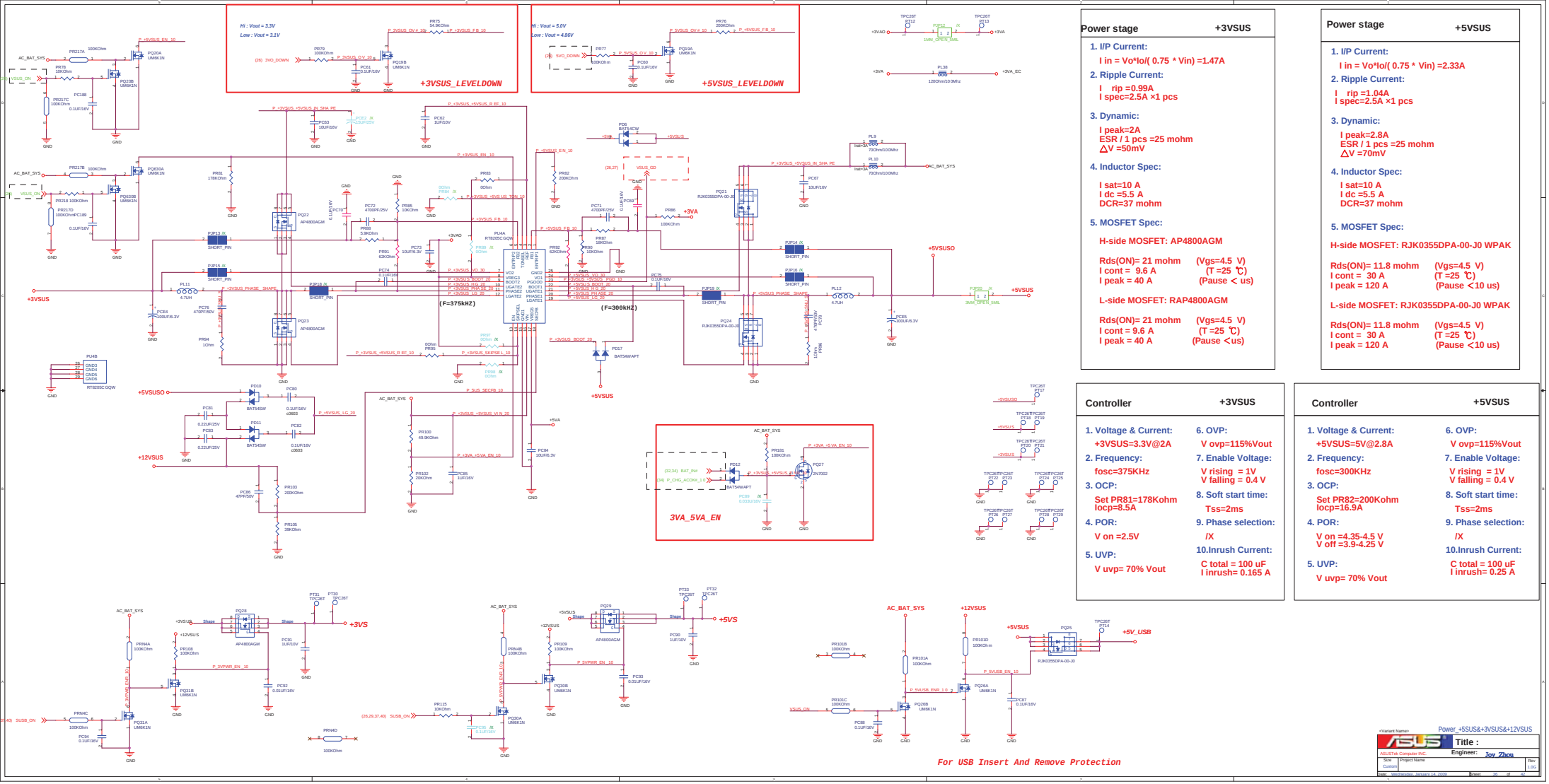
Title : CHARGER

Engineer: Joy_ZHOU

Size: A2 | Project Name: PINEVIEW | Rev: 1.0G

Date: Wednesday, January 14, 2009 | Sheet 34 of 42


PM_LEVELDOWN#:High
VOLTAGE=VID-50mV
CPU_LEVELDOWN:High
VOLTAGE=VID+50mV
RT8152GQW
+VCORE
(8.5A)
AC_BAT_SYS
+VCORE
Power stage
1. I/P Current:
I in = Vo*Io/(0.75 * Vin) =1.89 A
2. Ripple Current:
Iripple=3A
3. Ripple Voltage:
Vripple=Iripple*ESR=13.5mV
4. Dynamic:
Ipeak=8.5A
ESR=5mohm
V=40mV
5. Inductor Spec:
I sat=14 A
I dc =8 A
DCR=18 mohm(type) / 20 mohm(max)
6. MOSFET Spec:
H-side and L-side MOSFET:RJK0355
Rds(on)=11.8mOhm (Vgs=4.5V)
Icont=30A (T=25)
Ipeak=120A (Pause<10us)
Td(on)=6.9nS
Controller
1. Voltage & Current:
+VCORE:1.2V/8.5A
2. Frequency:
Ton=399nS
Rton=150kohm
Fsw=300KHZ
3. OCP:
DCR*Imax*PR235/(PR232+PR235)=125mV
Imax=16A
4. On time:
Ton=Tsw*(Vfb+0.075)/Vin=354ns
5.LoadLine:
Rcs=R2/(R1+R2)*Rdcr
=5mohm
Title : POWER_VCORE
ASUSTeK COMPUTER INC. NB
Engineer: Joy_zhou
PINEVIEW



Power stage +3VSUS

1. I/P Current:
   I in = Vo*Io/(0.75 * Vin) =1.47A
2. Ripple Current:
   I rip =0.99A
   I spec=2.5A ×1 pcs
3. Dynamic:
   I peak=2A
   ESR / 1 pcs =25 mohm
   △V =50mV
4. Inductor Spec:
   I sat=10 A
   I dc =5.5 A
   DCR=37 mohm
5. MOSFET Spec:
   H-side MOSFET: AP4800AGM
   Rds(ON)= 21 mohm (Vgs=4.5 V)
   I cont = 9.6 A (T =25 ℃)
   I peak = 40 A (Pause < us)
   L-side MOSFET: RAP4800AGM
   Rds(ON)= 21 mohm (Vgs=4.5 V)
   I cont = 9.6 A (T =25 ℃)
   I peak = 40 A (Pause <us)

Power stage +5VSUS

1. I/P Current:
   I in = Vo*Io/(0.75 * Vin) =2.33A
2. Ripple Current:
   I rip =1.04A
   I spec=2.5A ×1 pcs
3. Dynamic:
   I peak=2.8A
   ESR / 1 pcs =25 mohm
   △V =70mV
4. Inductor Spec:
   I sat=10 A
   I dc =5.5 A
   DCR=37 mohm
5. MOSFET Spec:
   H-side MOSFET: RJK0355DPA-00-J0 WPAK
   Rds(ON)= 11.8 mohm (Vgs=4.5 V)
   I cont = 30 A (T =25 ℃)
   I peak = 120 A (Pause <10 us)
   L-side MOSFET: RJK0355DPA-00-J0 WPAK
   Rds(ON)= 11.8 mohm (Vgs=4.5 V)
   I cont = 30 A (T =25 ℃)
   I peak = 120 A (Pause <10 us)

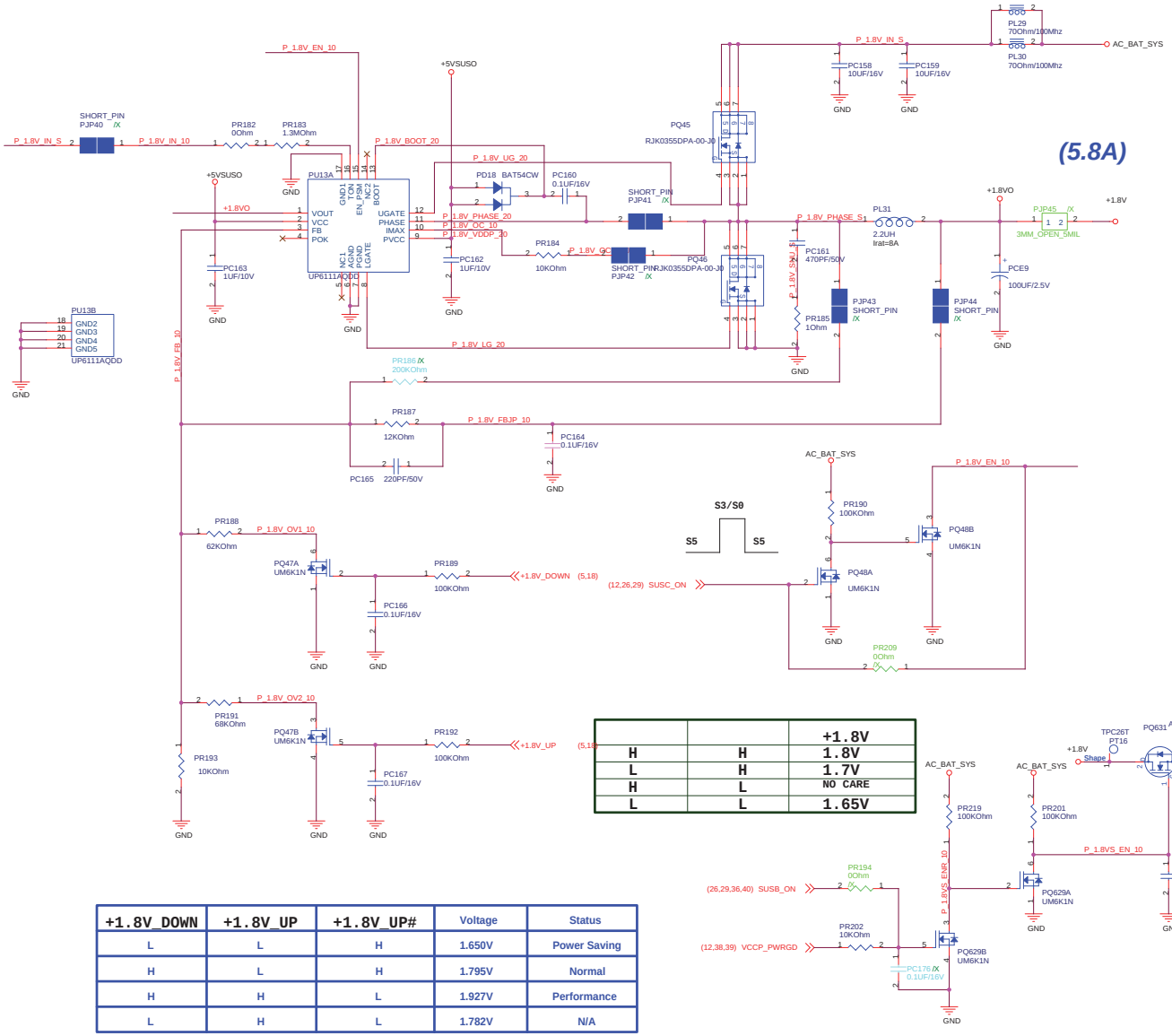
Controller +3VSUS

1. Voltage & Current:
   +3VSUS=3.3V@2A
2. Frequency:
   fosc=375KHz
3. OCP:
   Set PR81=178Kohm
   Iocp=8.5A
4. POR:
   V on =2.5V
5. UVP:
   V uvp= 70% Vout
6. OVP:
   V ovp=115%Vout
7. Enable Voltage:
   V rising = 1V
   V falling = 0.4 V
8. Soft start time:
   Tss=2ms
9. Phase selection:
   /X
10. Inrush Current:
    C total = 100 uF
    I inrush= 0.165 A

Controller +5VSUS

1. Voltage & Current:
   +5VSUS=5V@2.8A
2. Frequency:
   fosc=300KHz
3. OCP:
   Set PR82=200Kohm
   Iocp=16.9A
4. POR:
   V on =4.35-4.5 V
   V off =3.9-4.25 V
5. UVP:
   V uvp= 70% Vout
6. OVP:
   V ovp=115%Vout
7. Enable Voltage:
   V rising = 1V
   V falling = 0.4 V
8. Soft start time:
   Tss=2ms
9. Phase selection:
   /X
10. Inrush Current:
    C total = 100 uF
    I inrush= 0.25 A

<Variant Name>
Power_+5SUS&+3VSUS&+12VSUS
Title :
ASUSTeK Computer INC
Engineer: Joy Zhou
Size: Custom
Project Name
Rev: 1.00
Date: Wednesday, January 14, 2009
Sheet 38 of 42



		+1.8V
H	H	1.8V
L	H	1.7V
H	L	NO CARE
L	L	1.65V

+1.8V_DOWN	+1.8V_UP	+1.8V_UP#	Voltage	Status
L	L	H	1.650V	Power Saving
H	L	H	1.795V	Normal
H	H	L	1.927V	Performance
L	H	L	1.782V	N/A

Power stage

1. I/P Current:
   I in = Vo*Io/(0.8 * Vin) =2.175A
2. Ripple Current:
   I rip =2.65A
   I spec=2.5A ×2 pcs
3. Dynamic:
   I peak=5.8 A
   ESR / 1 pcs =18 mohm
   △V =104.4mV
4. Inductor Spec:
   I sat=14 A
   I dc =8 A
   DCR=18 mohm
5. MOSFET Spec:

   H-side MOSFET: RJK0355DPA-00-J0 WPAK

   Rds(ON)= 11.8 mohm (Vgs=4.5 V)
   I cont = 30 A (T =25 ℃)
   I peak = 120 A (Pause ＜10 us)

   L-side MOSFET: RJK0355DPA-00-J0 WPAK

   Rds(ON)= 11.8 mohm (Vgs=4.5 V)
   I cont = 30 A (T =25 ℃)
   I peak = 120 A (Pause ＜10 us)

Controller

1. Voltage & Current:
   +1.8V@5.8A
2. Frequency:
   PR183=1.3M ohm
   Fosc=191KHz
3. OCP:
   PR184=10K ohm -> 16.7A
4. POR:
   Vccrth =3.7~4.1V
   Vcchys=0.2V
5. UVP:
   Vout*70%
6. OVP:
   Vout*115%
7. Enable Voltage:
   V = 2.9V
8. Soft start time:
   Tss=1.2 ms
9. Phase selection:
   /X
10. Inrush Current:
    C total = 100 uF
    I inrush= 0.15 A

+VTTDDR(0.5A)

1.5VS @1.11 A

1. Dropout Voltage:
   △V = 0.3V (Io = 2 A)
2. Current Limit:
   I limit = 4 A
3. Continue Current:
   I cont = 3 A
4. Power Dissipation:
   Rthjc = 52 ℃/W
   Pd = 1.9 W
5. EN Voltage:
   V en = 1.4V
   V sd = 0.8 V
6. Supply Voltage:
   Vcc = 5 V
7. Inrush current:
   T ss = 5 ms
   C total = 10 uF
   I inrush = 3 mA

<Variant Name>

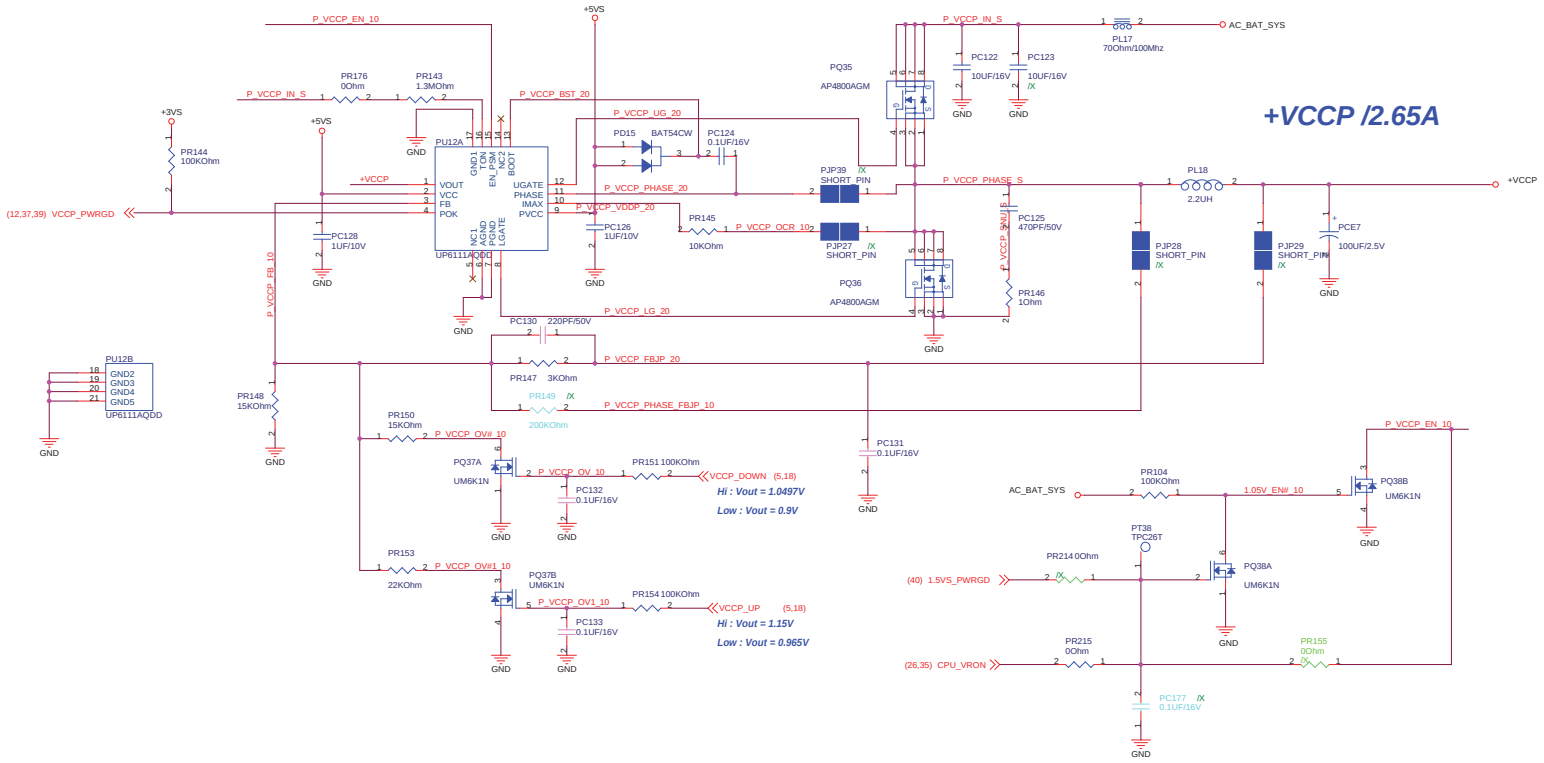
ASUSTek Computer INC.

Title : 1.8V_1.8VS_VTTDDR

Engineer: Joy_Zhou

Size	Project Name	Rev
A2		1.0G

Date: Wednesday, January 14, 2009 Sheet 37 of 42



VCCP_DOWN	VCCP_UP	VCCP_UP#	Voltage	Status
L	L	H	0.9V	Power Saving
H	L	H	1.050V	Normal
H	H	L	1.152V	Performance
L	H	L	1.002V	N/A

Power stage

1. I/P Current:

I in = Vo*Io/(0.8 * Vin) =0.58A

2. Ripple Current:

I rip =1A
I spec=2.5A ×1 pcs

3. Dynamic:

I peak=2.65 A
ESR / 1 pcs =18 mohm
△V =47.7mV

4. Inductor Spec:

I sat=14 A
I dc =8 A
DCR=18 mohm

5. MOSFET Spec:

H-side MOSFET: AP4800AGM

Rds(ON)= 21 mohm (Vgs=4.5 V)
I cont = 9.6 A (T =25 ℃)
I peak = 40 A (Pause < us)

L-side MOSFET: RAP4800AGM

Rds(ON)= 21 mohm (Vgs=4.5 V)
I cont = 9.6 A (T =25 ℃)
I peak = 40 A (Pause <us)

Controller

1. Voltage & Current:

+1.05V@2.65A

2. Frequency:

PR143=1.3M ohm
Fosc=191KHz

3. OCP:

PR145=10K ohm -> 9.5A

4. POR:

Vccrth =3.7~4.1V
Vcchys=0.2V

5. UVP:

Vout*70%

6. OVP:

Vout*115%

7. Enable Voltage:

V = 2.9V

8. Soft start time:

Tss=1.2 ms

9. Phase selection:

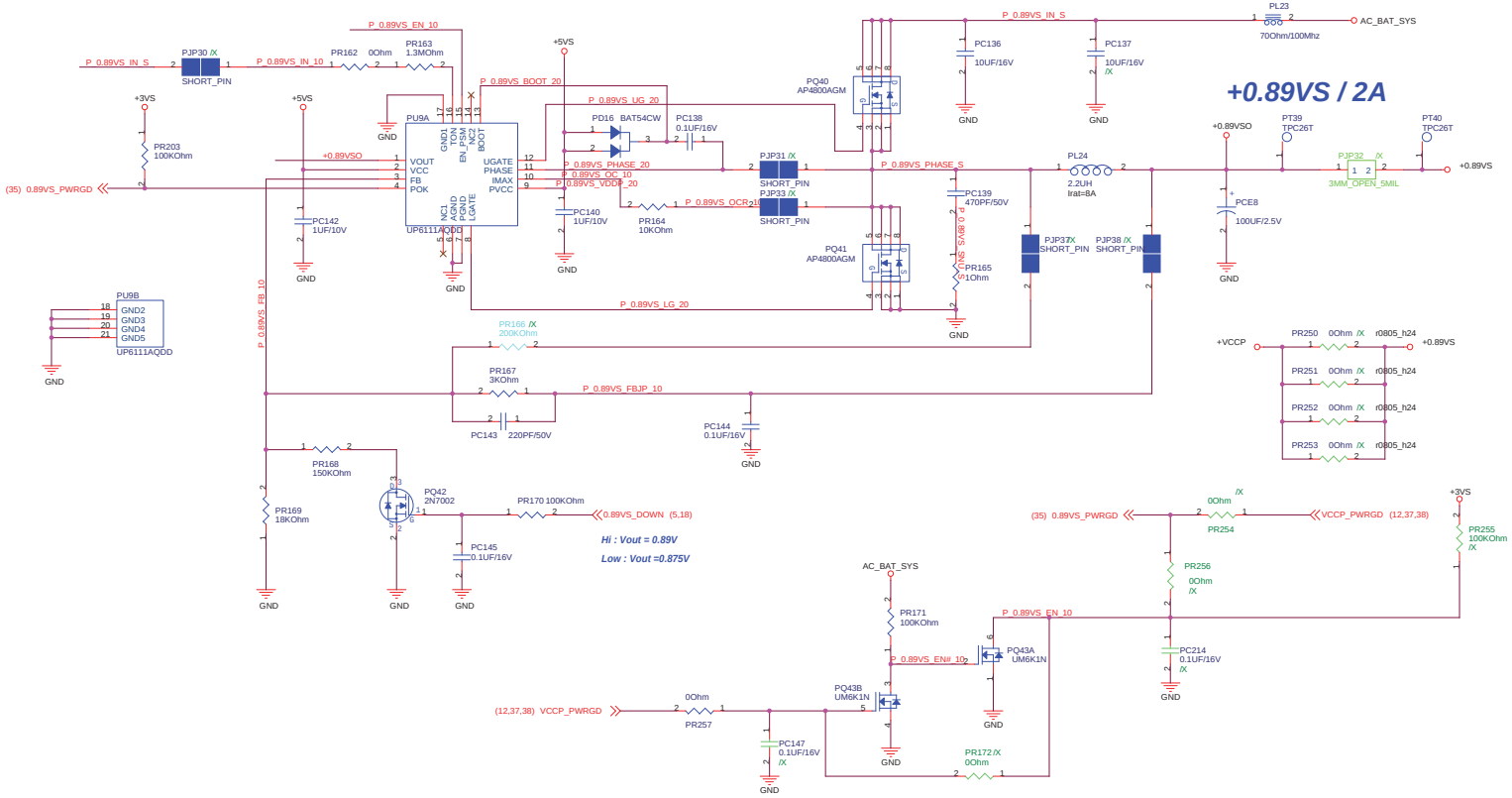
/X

10.Inrush Current:

C total = 100 uF
I inrush= 0.0875 A

<Variant Name>

ASUSTeK COMPUTER INC. NB	Title : VCCP	
	Engineer: Joy_ZHOU	
Size: A2	Project Name: 900PV	Rev: 1.0
Date: Wednesday, January 14, 2009	Sheet 38 of 42	



Power stage

1. I/P Current:
   I in = Vo*Io/(0.75 * Vin) =0.4A
2. Ripple Current:
   I rip =0.52A
   I spec=2.5A ×1 pcs
3. Dynamic:
   I peak=2A
   ESR=18 mohm
   △V =36mV
4. Inductor Spec:
   I sat=14 A
   I dc =8 A
   DCR=18 mohm
5. MOSFET Spec:

   H-side MOSFET: AP4800AGM

   Rds(ON)= 21 mohm (Vgs=4.5 V)
   I cont = 9.6 A (T =25 ℃)
   I peak = 40 A (Pause < us)

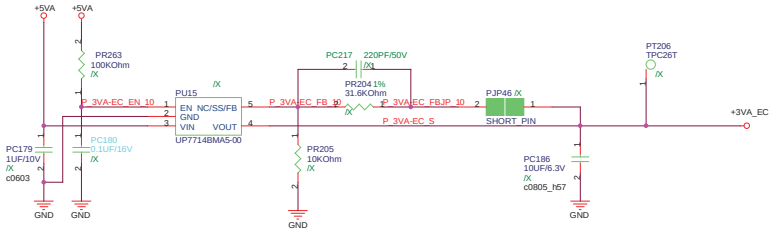
   L-side MOSFET: RAP4800AGM

   Rds(ON)= 21 mohm (Vgs=4.5 V)
   I cont = 9.6 A (T =25 ℃)
   I peak = 40 A (Pause <us)

Controller

1. Voltage & Current:
   +0.89VS@2A
2. Frequency:
   fosc=251KHz
3. OCP:
   Set PR164=10Kohm
   Iocp=9.5A
4. POR:
   POR Hysteresis =0.2V
   V on =3.9V
5. UVP:
   V uvp= 70% Vout
6. OVP:
   V ovp=115%Vout
7. Enable Voltage:
   V = 2.9 V
8. Soft start time:
   Tss=1.2ms
9. Phase selection:
   /X
10. Inrush Current:
    C total = 100 uF
    I inrush= 0.074 A

+3VA_AEC / 100mA



+3VA_AEC / 100mA

1. Dropout Voltage:
   △V = 0.21V (Io = 0.3A)
2. OCP:
   I ocp=480mA
3. Short Circuit Current Limit:
   I sc= 320mA
4. Power Dissipation:
   Rthjc =250℃/W
   Pd = 0.4W
5. EN Voltage:
   V en = 2V
   V sd = 0.4V
6. Power OK Voltage:
   Vpokth = 92%*Vout
   Vpokhys = 8%
7. Inrush current:
   T ss = 400uS
   C total =10uF
   I inrush =82.5mA
8. FB Voltage:
   VFB = 0.8 V

<Variant Name>

ASUSTeK COMPUTER INC. NB

Title : 0.89VS&3VA_EC

Engineer: Joy_ZHOU

Size	Project Name	Rev
A2	900PV	1.0

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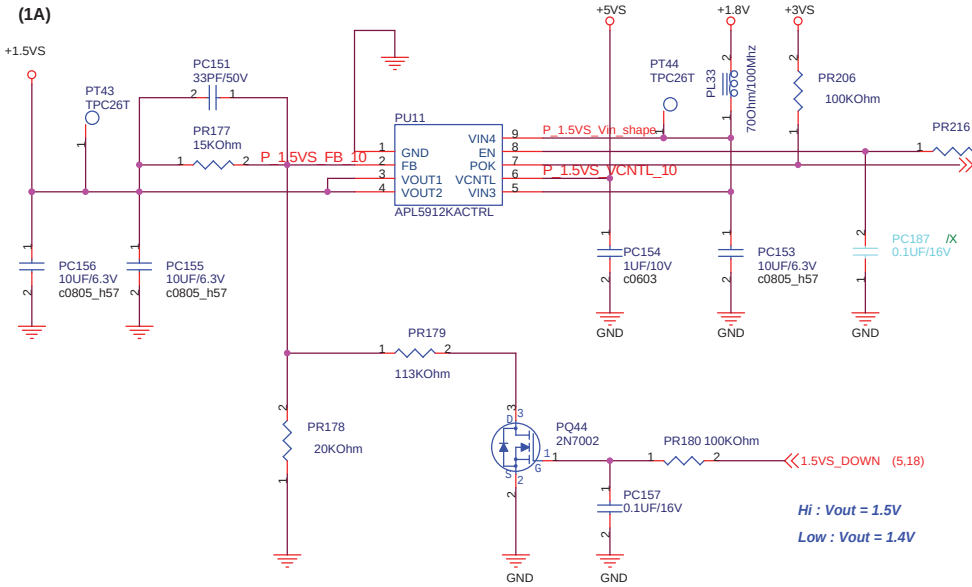
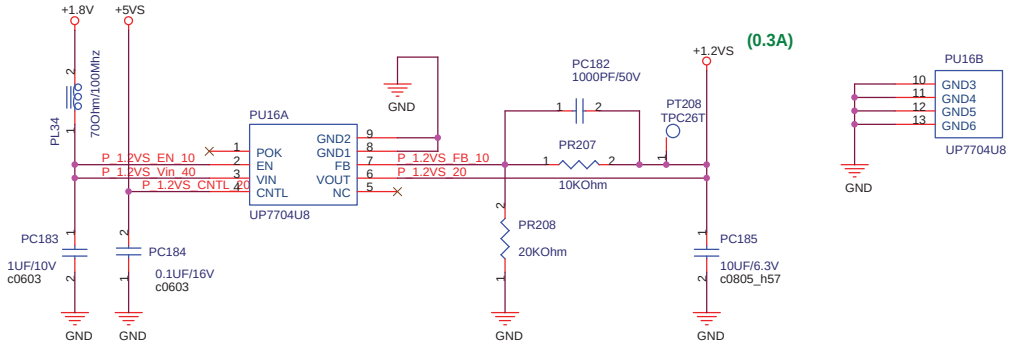


1.5VS @ 2 A

1. Dropout Voltage:
   △V = 0.2V (Io = 5A)
2. Current Limit:
   I limit =7A
3. Continue Current:
   I cont = 6A
4. Power Dissipation:
   Rthjc = 40℃/W
   Pd = 3W
5. EN Voltage:
   V rising = 0.4V
   Hysteresis = 30mV
6. Supply Voltage:
   Vcc = 5 V
7. Inrush current:
   T ss = 2ms
   C total =20uF
   I inrush =15 mA



1.2VS @ 0.3A

1. Dropout Voltage:
   △V = 0.3V (Io = 1A)
2. OCP:
   I ocp=1.5A
3. Short Circuit Current Limit:
   I sc= 300mA
4. Power Dissipation:
   Rthjc = 75℃/W
   Pd = 1.33W
5. EN Voltage:
   V en = 1.6V
   V sd = 0.4V
6. Power OK Voltage:
   Vpokth = 92%*Vout
   Vpokhys = 8%
7. Inrush current:
   T ss = 5ms
   C total =10uF
   I inrush =2.4mA
8. FB Voltage:
   VFB = 0.8 V

<Variant Name>

ASUSTeK COMPUTER INC. NB	Title : +1.5VS&1.2VS	
	Engineer: Joy_ZHOU	
Size: A3	Project Name: 900PV	Rev: 1.0
Date: Wednesday, January 14, 2009	Sheet 40 of 42	

1.Delete LCD liner power sck .

W2H1 W2H2

U5F-M-EXPREE U5F-M-EXPREE

GND GND

MINI CARD NUT(1.6mm) *2

MINICARD use 12G030010052Q

WLAN2

MINI_PCI_LATCH_52P

+3VS_PE2 +1.5VS_PE2

W2R3 0Ohm /X M_PCIE_WAKE#2

W2T2 M1_CLKREQ#2

W2R1 0Ohm /RSVD_MINIPCIE

W2R2 0Ohm /RSVD_MINIPCIE

W2R18 0Ohm /RSVD_MINIPCIE

W2R19 0Ohm /RSVD_MINIPCIE

W2R20 0Ohm /RSVD_MINIPCIE

W2R21 0Ohm /RSVD_MINIPCIE

(5,15,17,22) PCIE_WAKE#	1	2	3.3V_1
(15,22) BT_PRIORITY	3	4	GND7
(15,22) BT_CH_DATA	5	6	1.5V_1
	7	8	UIM_PWR
(12,22) C_PCIE_WIFI#	9	10	UIM_DATA
(12,22) C_PCIE_WIFI	11	12	UIM_CLK
	13	14	UIM_RESET
	15	16	UIM_VPP
(4) X_L1X1_RXN	17	18	GND8
(4) X_L1X1_RXP	19	20	Reserved/UIM_C8
	21	22	Reserved/UIM_C4
	23	24	GND3
	25	26	PERn0
	27	28	PERp0
	29	30	GND4
	31	32	1.5V_2
	33	34	GND5
(4) X_L1X1_TXN	35	36	PETn0
(4) X_L1X1_TXP	37	38	GND10
	39	40	GND6
	41	42	USB_D-
	43	44	Reserved3
	45	46	USB_D+
	47	48	Reserved4
	49	50	GND11
	51	52	Reserved5
			LED_WWAN#
			Reserved6
			LED_WLAN#
			Reserved7
			LED_WPAN#
			Reserved8
			1.5V_3
			Reserved9
			GND12
			Reserved10
			3.3V_2
	53	54	GND13
			GND14
			NP_NC2
			NP_NC1

WLAN_ON2 WLAN_RST#2

MSMB_CLK2 W2R5 10KOhm

MSMB_DATA2 W2R6 10KOhm

LED_WLAN#2 W2T4

C_PCIE_WIFI W2C10 10PF/50V /X

C_PCIE_WIFI# W2C11 10PF/50V /X

GND GND

+3VS_PE2 750 mA

W2C1 10uF/10V W2C2 0.1UF/16V /X W2C3 0.1UF/16V

GND

+3VS_PE2

W2R4 10KOhm /X

W2Q1 2N7002 /X

WLAN_ON# (5,18,22)

WLAN_ON2 W2R15 0Ohm /X

WLAN_RST#2 W2R16 0Ohm /X

GND

1.2G

+3VS_PE2

W2R9 100KOhm

W2C17 0.1UF/16V

W2U2 AME8550BEEVC2702

MRST#2

W2C18 0.1UF/16V /RSVD_MINIPCIE

W2R11 10KOhm

W2Q11 PMBS3904 /RSVD_MINIPCIE

WLAN_RST#2

W2C19 0.1UF/16V /X

W2R10 10KOhm

(5,15,17,22) PLT_RST#

W2C12 0.1UF/16V /X

GND

+3VS

W2C13 0.1UF/16V

GND

+3VS

W2R17 10KOhm /X

W2R8 1KOhm 1%

W2Q3 AP2307GN

TPC26T W2T5

TPC26T W2T6

(4,18) MINICARD2_EN#

W2C16 0.1UF/16V /RSVD_MINIPCIE

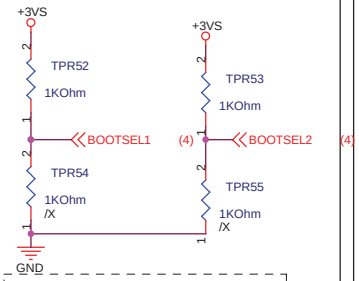
GND

Change WR8 to 1K 1%
08/11/26

1.2G

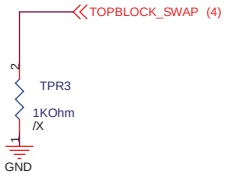
ASUSTek Computer Inc.	Engineer: Henry_Yang		
Size A3	Project Name PINEVIEW		Rev 1.0G
Date: Wednesday, January 14, 2009	Sheet 41 of 42		

Title : HISTORY

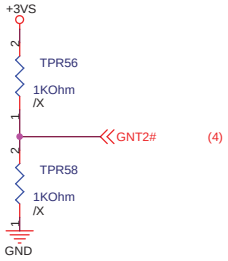


STRAP1#/GPIO48 STRAP2#/GPIO17 Routing

0 1: Flash Cycles Routed to SPI
1 0: Flash Cycles Routed to PCI
1 1: Flash Cycles Routed to LPC

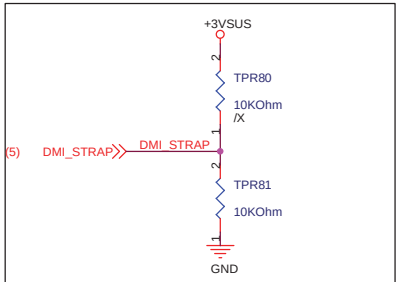


For strapping as Top-block Swap override.



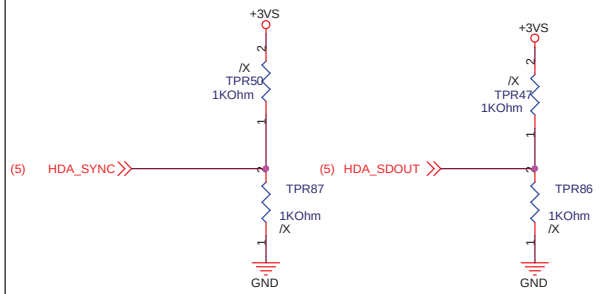
Reserved, has a weak internal pull-up,cann't be pulled low

SPKR:For no reboot function.
Has internal pull-down.
If sample high ,it indicates that the system is strapped to "no reboot "mode.
(TPT will disable the TCO Timer system reboot feature).



DMI strap.

1=DMI interface is strapped to operate in DC coupled mode.
0=DMI interface is straped to operate in AC coupled mode.



Check EDS of TPT Section 10.1.30 for details.

HDA_SYNC(PCIE port config bit 0):
Has weak internal pull-down.

HDA_SDOUT(PCIE port config bit 1):
Has weak internal pull-down,if not pulled
low at rising edge of PWROK,sets bit 1 of RPC.PC.

From 1225.1900 change 3GC1 to 47u,modify screw to 13G021050010.

ASUSTek Computer Inc.	Title : HISTORY	
	Engineer: Henry_Yang	
Size: A3	Project Name: PINEVIEW	Rev: 1.0G
Date: Wednesday, January 14, 2009	Sheet 42 of 42	