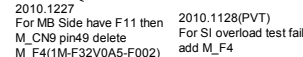
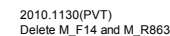


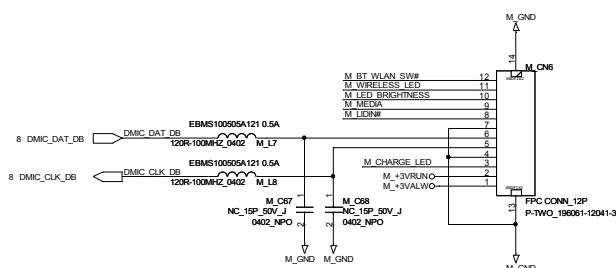
2010.1013(DVT)
For ME request
M_CN8 change from
1N-0010009-FXG0 to
1N-001000A-FXG0



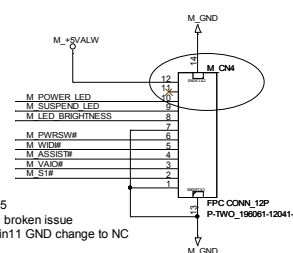
2010.1128(PVT)
For SI overload test fail
add M_F4

TO MB

KB&BL Conn

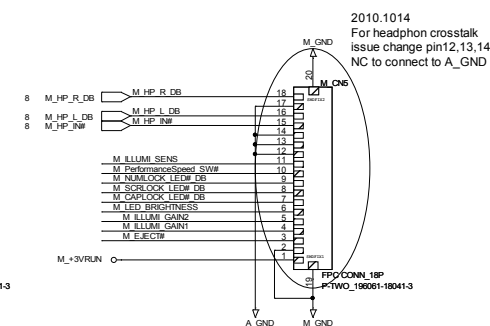


TO LED DB

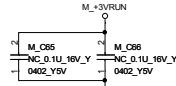


2011.0105
For M_F4 broken issue
M_CN4 pin11 GND change to NC

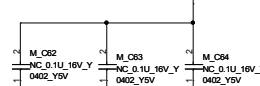
TO Switch DB



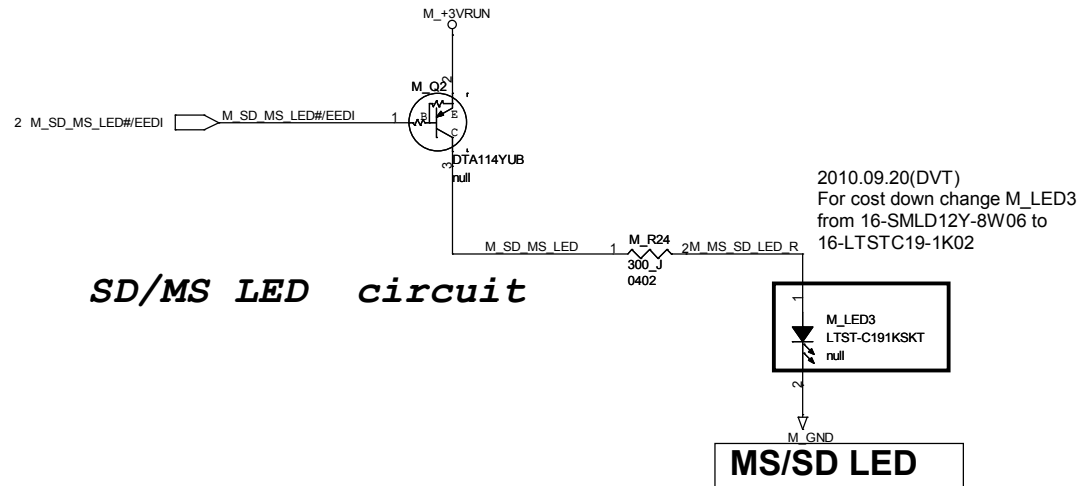
To Speed DB

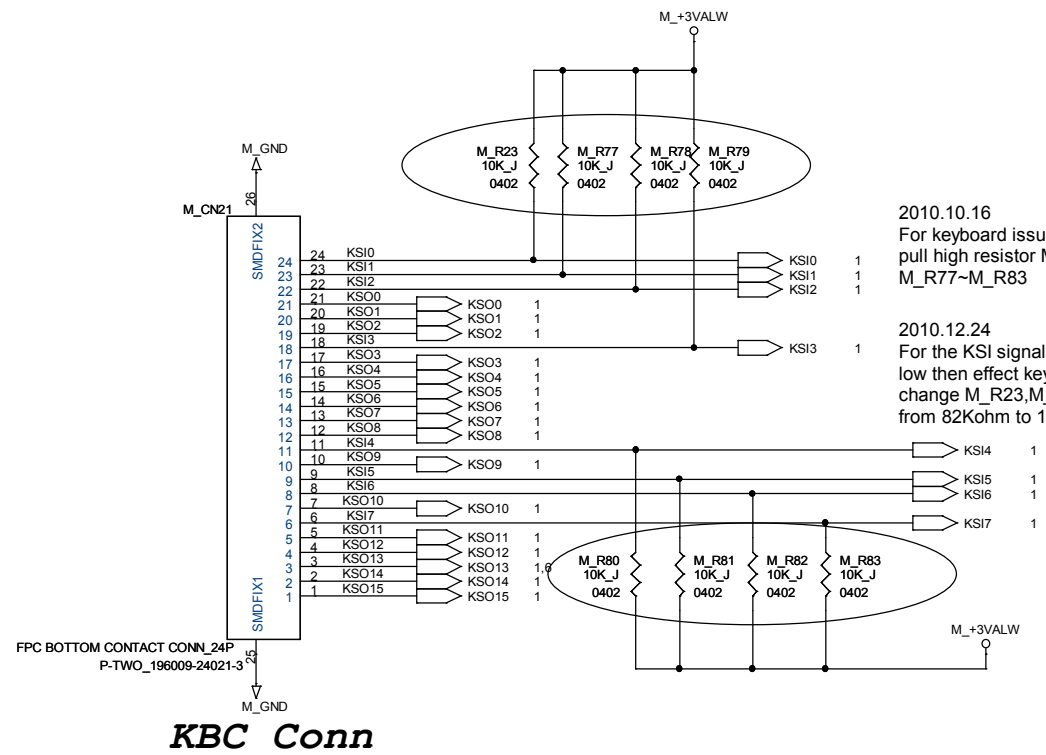


M_GND
Place close to M CN6



Place close to M CN6

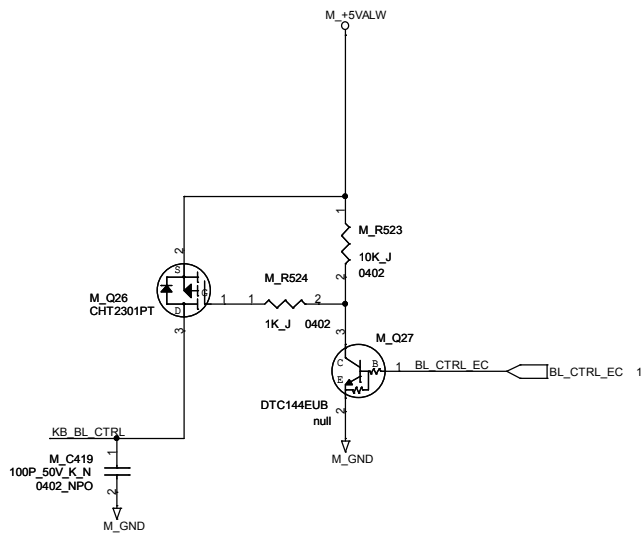




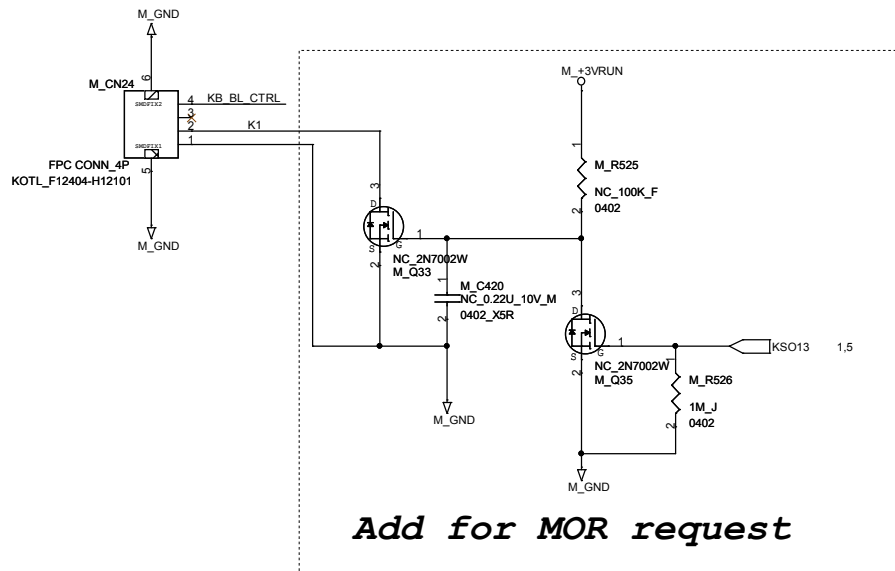
2010.10.16
For keyboard issue add KSIX
pull high resistor M_R23
M_R77~M_R83

2010.12.24
For the KSI signal voltage is too
low then effect keyboard function
change M_R23,M_R77~M_R83
from 82Kohm to 10Kohm

KBC Conn



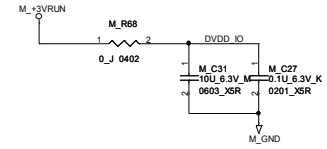
Backlit Power Conn



Add for MOR request

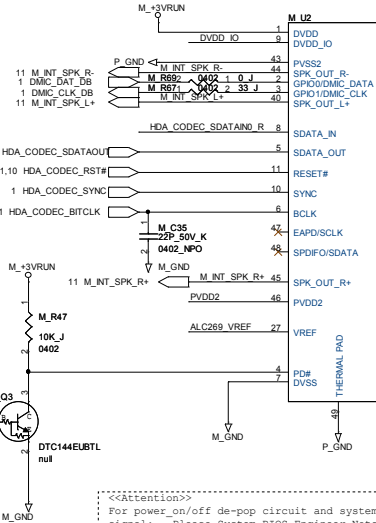
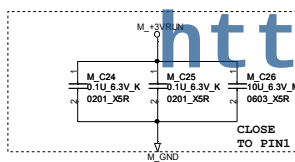
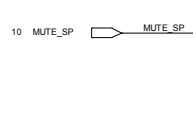
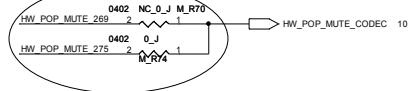
01/20: Keyboard backlight function of HW circuit no need,
So delete M_R525,M_C420,M_Q33,M_Q35

DVDD_IO can be either 1.5V or 3.3V. Resume well power, regardless iHDMI is implemented or not. However, external codec/MDC must have the same voltage level as PCH VCCSUSDA power.

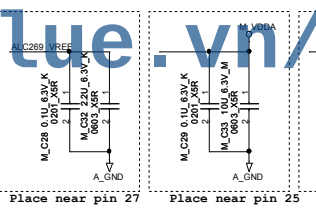
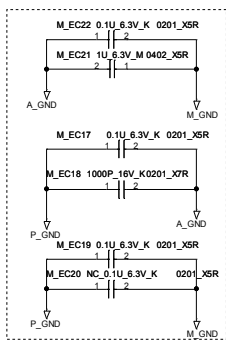
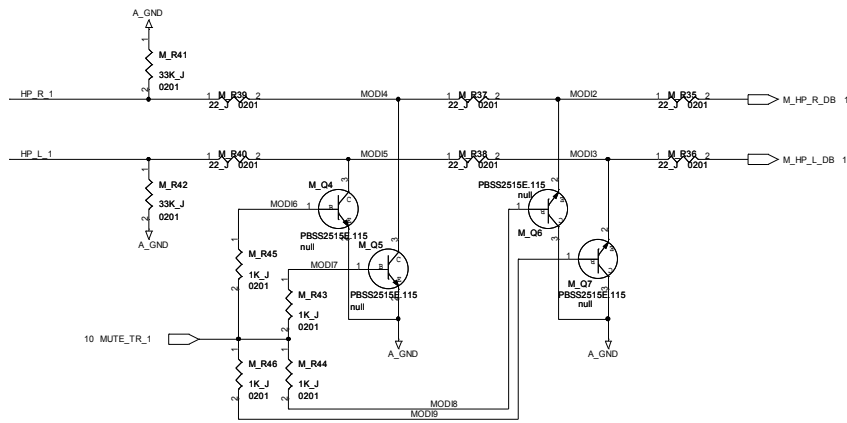


1 HDA_CODEC_SDATAIN0 M_R48 0.01uF 3.3V HDA_CODEC_SDATAIN0 R

BOM Option for ALC275 and ALC269 (Default is ALC275.)

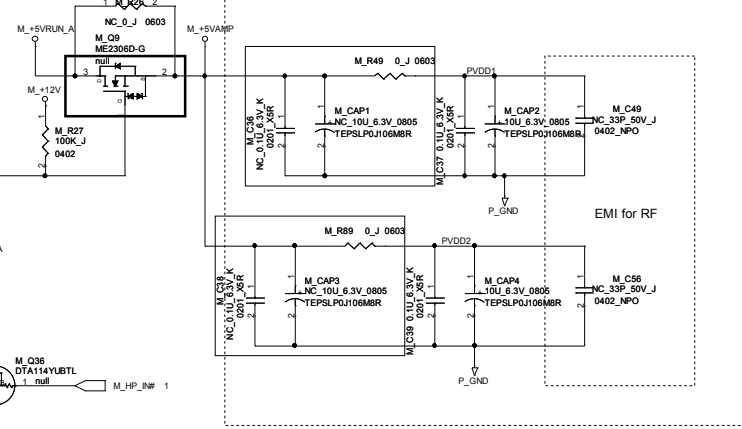


For power on/off de-pop circuit and system booting warning signal: Please System BIOS Engineer Note :
1. If you want the system make warning signal after power on , please let EC_MUTE# High first.
2. When you want to exit your Bios Programming Code, please let the EC_MUTE# Low. (The programming is different from before .)



2010.09.20(DVT)
For the speaker load test fail
change M_Q9 from 17-ME2306A-0000 to 17-ME2306D-0000

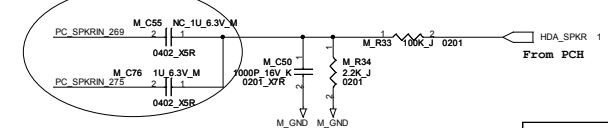
2010.12.24
When delete M_C36, M_C38, M_CAP1, M_CAP3 and change M_L5, M_L6 from 1L-BHCB061-2100 to 1R-0000000-J300, the audio quality is OK

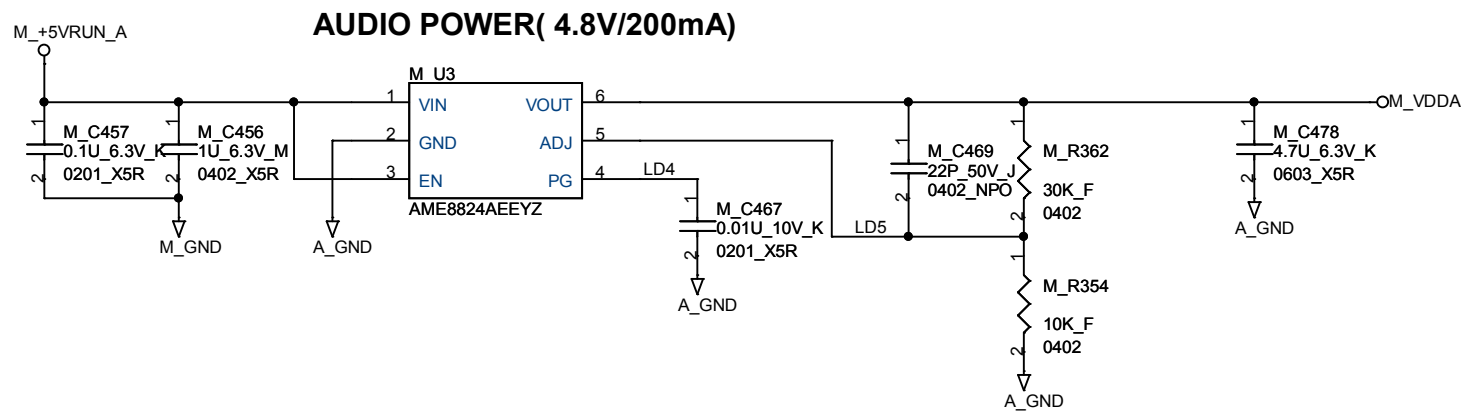


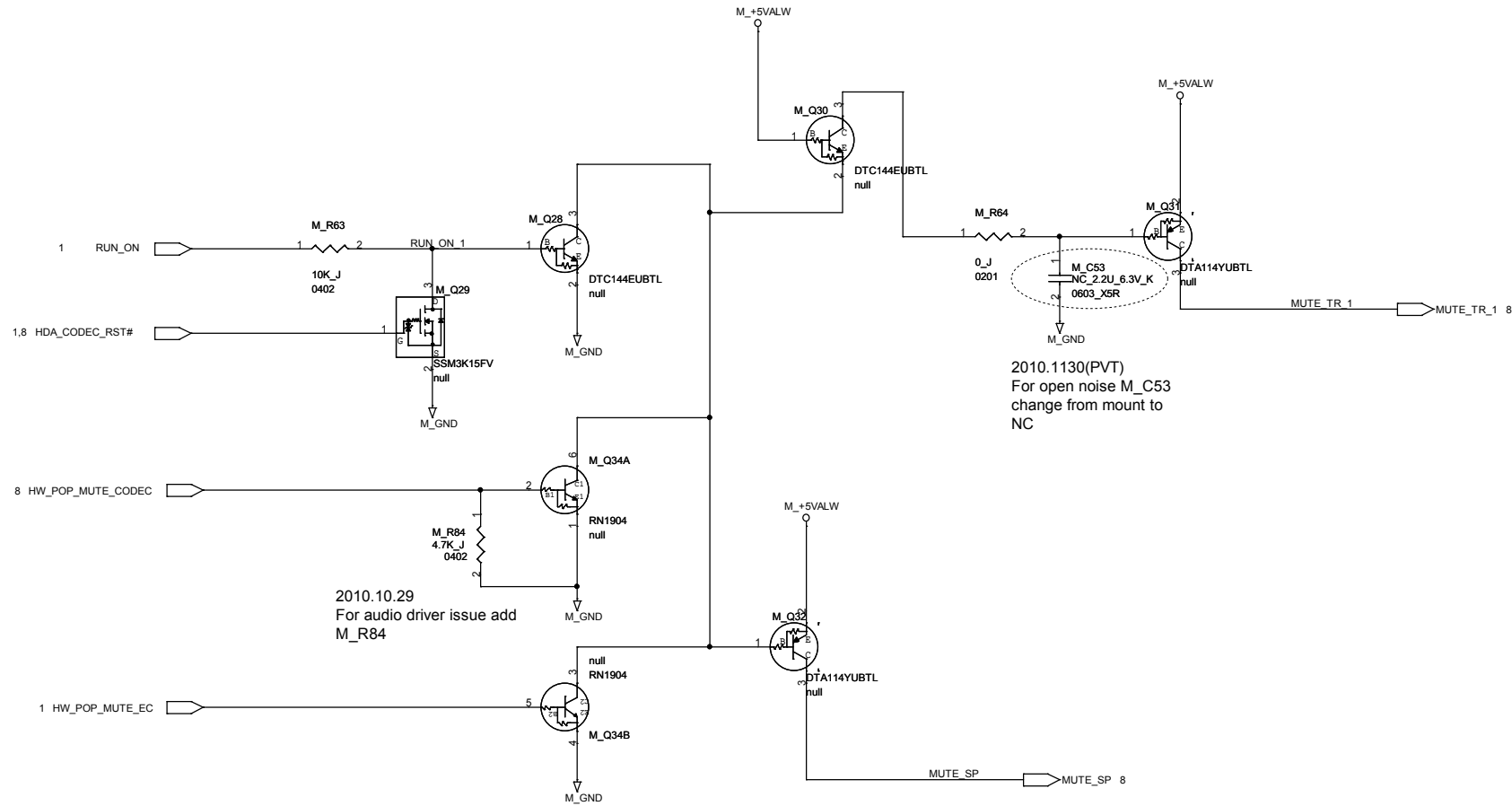
BOM Option for ALC275 and ALC269 (Default is ALC275.)

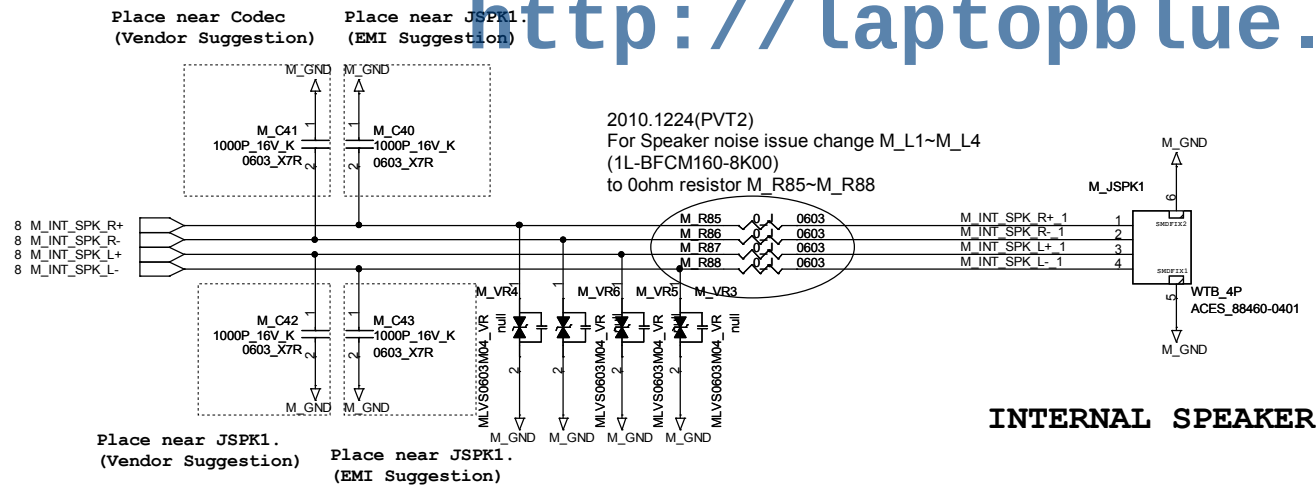
BOM Option for ALC275 and ALC269 (Default is ALC275.)

PC BEEP

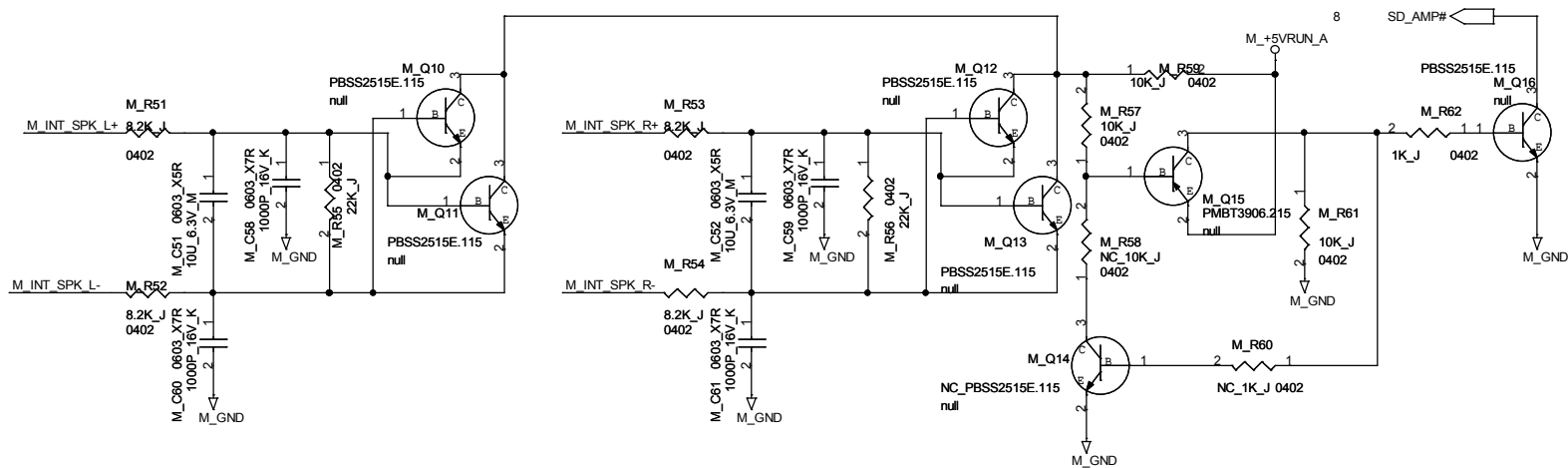








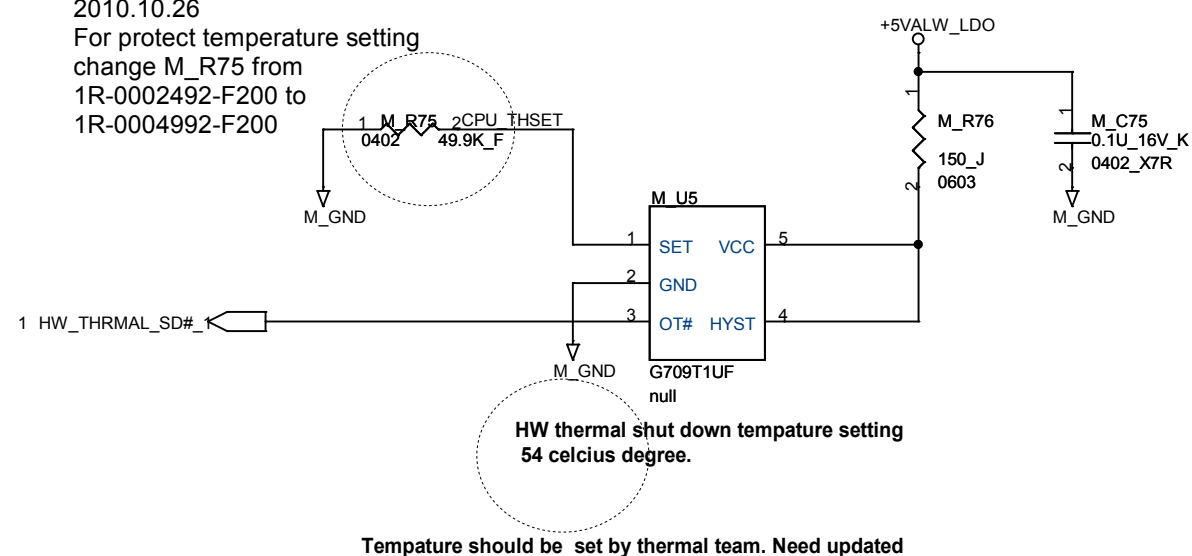
For Shut-down Codec Amp. power (PVDD1 and PVDD2)



HW THERMAL PROTECTION

2010.10.26

For protect temperature setting
change M_R75 from
1R-0002492-F200 to
1R-0004992-F200



2010/04/26
P.1&5 Del SMB, del AL_INT, KOS18, BT_WLAN_SW#
P.1&5 Add Speed_SW#_DB, OPT_SENS_DB,SW_EJECT#_DB
P.5 Move power &suspend LEDControl circuit to page 3
2010/05/03
P.2 Add MS/SD LED:M_LED3,M_R24
P.3 Move LEDS DB CONN and control circuit to DOCKING DB
P. Delete Speed LED
2010/05/04
P.4 M_CN8 change to 1N-0008002-F0T0 (8pin)
P.5 M_CN4 change to 1N-0016002-FXG0 (16pin)
P.2 Change M_CN3 to 1N-0009002-FKG0
P.2 Change M_CN2 to 1N-1014003-0000
P.6 Change M_JSPK1 to 1N-0004000-F0G0
2010/05/05
P.6 Audio external protec circuit move from MB to MS/SD DB
P.8 Audio Codec move from MB to MS/SD DB
P.9 Audio power move from MB to MS/SD DB
P.10 Audio mute move from MB to MS/SD DB
2010/05/07
P.2 Change M_C20 from 1C-2B70106-M200 to 1C-2B30106-M100
P.2 Change M_C5&M_C8 from 1C-2Y20104-Y000 to 1C-2B20104-K000
P.3 Change M_C23 from 1C-2B70106-M200 to 1C-2B30106-M100
2010/05/10
P.1 Follow connector list change M_CN7 from 1N-0050000-FKT0 to 1N-0050005-FXT0
P.2 LEON Request add MS/SD EEPROM function add M_U4,M_C54,M_R65,M_R66
2010/05/11
P.1 HP move to speed DB M_CN4 pin2,3,4 add signal HP_L_DB,HP_R_DB,HP_IN_5
2010/05/13
P.1 Delete DMIC CN M_CN9
2010/05/14
P.1 Audio codec on MS/SD DB,delete DMIC_CLK_DB&DMIC_DAT_DB from M_CN7
2010/05/15
P.7 Audio codec change from 15-ALC2690-0000 to 15-ALC2690-0003
P.7 For DMIC clock signal add M_R1
2010/05/17
P.01 M_CN4&M_CN7 Delete DMIC CLK/DATA signal
2010/05/20
P.01 For speed connect to MB M_CN4 pin fewer than before
change from 1N-0016002-FXG0 to 1N-0006009-FXT0
P.01 Move M_Q77,M_Q78,M_Q79(17-DTA114Y-UB00) to MB
Move audio to MB
2010/05/22
Fingerprint IC have no FP_DET# signal M_CN7 delete this signal
2010/05/24
For MOR request if NC M_U20 should add M_R1
P.01 Move ODD_EJECT switch from SW DB to speed DB delete SW_EJECT# signal
P.07 Cardreader EEPROM change from 13-HT24LC0-8000 to 13-AT93C46-8001
2010/05/25
P.07 For vendor suggestion Cardreader EEPROM M_U4 pin3 change to EEDO,pin4 change to EEDI
2010/05/27
P.09 For MOR suggestion for SD3.0 current change to 600mA
P.09 For MOR suggestion add test point M_TP17,18,19,20,21
P.10 For MOR suggestion MS&SD CONN signal M_MS_SD#,M_SD_WP&M_SD_CD#
add pull hight resistor M_R2,M_R3,M_R15 and M_C2,M_C3,M_C4
P.10 M_C9 change 22p to 10p
P.09 For MOR suggestion add M_R25
2010/06/09
P.08 For MOR suggestion speed DB connect to MS/SD DB, add M_CN5 on MS/SD DB side
For MOR suggestion move audio codec,power,mute,speaker circuit to MS/SD DB
P.13 For MOR suggestion M_CN24 delete Keyboard presence signal
P.08 For MOR suggestion M_CN1 delete Keyboard presence signal
2010/06/10
P.17 Correct M_Q34 wired method
P.15 Folløe design guide change M_R48 from 22ohm to 33ohm
P.15 Add M_C55 on PC Beep side for MOR request
P.08 M_CN1 change from 1N-0081000-FWG0 to 1N-0024001-FXT0
P.12 M_CN21 change from 1N-0024005-F0T0 to 1N-0024002-FXT0
2010/06/11
P.14 M_CN23 change pin define follow ME DXF

2010/06/12
P.15 Add M_U27,M_C56 for RF EMI
2010/06/15
P.08 M_CN7 change pin5,pin6 pin define consistent MB side connector
P.08 M_U20 change from 15-MAX4785-0000 to 15-G558DT0-0000
2010/06/16
P.08 M_CN5 ME have change from 1N-0018000-FXT0 to 1N-0018000-FKT0
P.14 Touchpad module connector M_CN23 ME have change from 1N-0006001-F0T0 to 1N-0006009-FXT0
2010/06/17
P.08 Follow MOR request add pull high resistor M_R22
P.15 Follow MOR request M_R48,M_R49 change to 33ohm
P.15 HDA_CODEC_RST# signal serial resistor move to MS/SD DB M_R70
P.15 Follow MOR request exchange M_Q8 drain and source wire
P.15 Follow MOR request exchange M_Q6,M_Q7 pin2 and pin3 wire
P.15 Follow MOR request add M_HP_IN_5 signal pull up resistor M_R71 on MS/SD DB
P.08 M_CN5 delete M_VDDA pin then change pin define
2010/06/18
P.08 Follow ME request have move LED DB connect with MS/SD DB
2010/06/21
P.08 LED DB wired to MS/SD DB M_CN7 pin nummber is limited change M_CN1 from 24pin(1N-0024001-FXT0) to 50pin (1N-005000J-FKG0)
P.08 Follow ME connedor list change M_CN7 from 1N-0050005-FXT0 to 1N-005000J-FKG0
P.04 Follow MOR request delete signal ETHER_OFFÐER_RST# so delete W_U2(14-74AHC1G-0802),W_C49(1C-2B20104-K100),W_Q4,W_Q5
W_R5,W_R6,W_C48
P.04 Follow MOR request delete signal ETHER_OFFÐER_RST# then add W_L4
2010/06/22
P.09 Follow EMI suggestion add M_C17,M_C57
P.13 Follow ME connector list M_CN24 have change to 1N-0004004-FXG0
2010/06/23
P.08 Follow ME connedor list change M_CN8 change to 1N-0012007-FKT0
2010/06/24
P.11 Follow ME request M_LED3 change to 16-HT170UY-G000
P.10 Follow MOR request M_R2,M_R3,M_R15 pull high change to M_+3VRUN
P.09 Follow MOR request add M_R72,M_R73
2010/06/25
P.12 Follow ME request M_CN21 change to 1N-0024002-FXT0
P.08 Follow ME DXF Power LED move to Switch DB M_CN4 change to 1N-0012007-FKT0
2010/06/28
P.16 M_R362 change from 29.4K to 30K, M_R354 change from 10K to 10K
P.08 M_CN8 change from 12pin to 10pin
P.18 Change M_JSPK1 pin define
2010/06/29
P.14 Add M_D1 for MOR request
P.08 M_CN8 change from 1N-0010005-FKT0 to 1N-0010001-F0T0
2010/07/01
P.08 For ME request M_CN8 change to 1N-0010005-FKT0
P.15 Move M_R49,M_R70 to MB
P.15 Follow vendor suggestion M_C32 change from 10uF to 2.2uF
P.15 Follow vendor suggestion M_Q3 wire GND change from A_GND to M_GND
P.15 Follow vendor suggestion M_R34,M_C50 wire GND change from A_GND to M_GND
P.18 Follow vendor suggestion add M_C58,M_C59,M_C60,M_C61 wire to M_GND
2010/07/02
P.10 Test point change from 40mils to 20mils
P.11 M_LED3 change from 16-HT170UY-G000 to 16-HT191NG-0000
2010/07/03
P.08 For ME request M_CN7,M_CN9 change to 1N-0050004-FXT0
P.08 For layout request change M_CN9 pin define
P.08 For MOR request move M_U20,M_C315,M_C316,M_C317,M_C318,M_R1,M_R22 to MB
P.14 For MOR request move M_F9,M_C118,M_C119 to MB
2010/07/05
P.08 For ME request M_CN5 change to 1N-0018003-FKT0
P.08 For ME request M_CN4 change to 1N-0012008-FKT0
P.08 M_CN6 change to 1N-0012008-FKT0 then change pin define
2010/07/06
P.12 For ME request M_CN21 change to 1N-0024000-F1T0
2010/07/07
P.08 For MOR request M_CN5 change pin define
P.08 For MOR request M_R25 change from mount to NC
P.08 For MOR request M_U4,M_C54,M_R65,M_R66 change from mount to NC
P.08 For MOR request M_+5VRUN of M_CN9 change to M_+5VRUN_T,M_+5VRUN_A
2010/07/08
P.08 For PUR suggestion M_F2,M_F14 change to 1M-F16VA25-F000
P.10 For MOR seggestion put headphone signal to M_CN10
2010/07/08
P.09 Change Cardreader PCIE net name
2010/07/10
P.27 For MOR request put change M_CN5(1N-0012008-FKT0),M_CN10(1N-0006000-FXT0) to S_CN1
(1N-0018000-FKT0) then change M_CN5 pin define to separate normal signal and headphone signal
2010/07/12
P.08 Change M_CN9 pin define add M_+3VALW

2010/07/13

P.08 For EMI request add M_C62,M_C63~M_C74,M_R22,M_L7,M_L8

P.08 M_CN7,M_CN9 change pin define

2010/07/14

P.08 Follow ME connector list change M_CN5 from 1N-0018000-FKT0 to 1N-0018003-FKT0

P.32 Follow ME request delete M_BOSS1,M_BOSS2

P.12 Follow ME request M_CN21 change pin define

2010/07/15

P.13 For MOR request add back light control circuit then correct P-MOS to N-MOS

P.13 For ME request change M_CN24 pin define

P.08 For layout request change M_CN5 pin define

2010/07/20

P.11 For PUR suggestion M_LED3 change from 16-HT191NG-0000 to 16-VSM106G-4700

P.10 For ME request M_CN3 change from 1N-0009002-FKG0 to 1N-0009002-FKG0

2010/07/21

P.18 M_JSPK1 change pin define

EVT2

2010/08/03

P.09 [Cardreader] M_U4 change from NC to mount

2010/08/09

P.15 [Audio codec] M_U2 pin32 change to HP_L_1,pin33 change to HP_R_1

2010/08/11

P.10 [TP_M] For PUR request M_D1 change from 16-SMD15C0-0000 to 17-TVS2315-PT00

P.13 [KB Backlight] For PUR request M_C420 change from 1C-2B20224-K200 to 1C-2B20224-M000

2010/08/13

P.08 [DB CN] Follow ME connector list M_CN9 change from 1N-0050004-FXT0 to 1N-0050006-FXT0

P.11 [MS/SD LED] For MOR request M_LED3 change from 16-VSM106G-4700 to 16-SMLD12Y-8W01

2010/08/16

P.08~18 [MS/SD TP] For BTE request delete cardreader and audio test point then add M_CN4,M_CN5,M_CN6 test point

2010/08/20

P.42 [Thermal sensor] For MOR request M_R76 change value,then delete M_R77 M_R78

2010/08/23

P.08 [DB CN] Follow ME connector list M_CN6 change from 1N-0012008-FKT0 to 1N-0012008-FKT0

P.08 [DB CN] Follow ME connector list M_CN4 change from 1N-0012008-FKT0 to 1N-0012008-FKT0

P.08 [DB CN] M_CN9 change pin define

2010/08/25

P.08 [DB CN] M_CN5 change from 1N-0018003-FKT0 to 1N-0018003-FXG0

2010/09/01

P.11 [MS/SD LED] M_LED3 change from 16-SMLD12Y-8W01 to 16-SMLD12Y-8W06

DVT2

2010/09/02

P.12 [KB CN] Move KB test point to MB

2010/09/18

P.08 [DB CN] For ME request M_CN7,M_CN9 change from 1N-0050004-FXT0 to 1N-0050003-FXG0

P.08 [DB CN] For ME request M_CN8 change from 1N-0010005-FKT0 to 1N-0010009-FXG0

2010/09/21

P.08 [Cardreader CN] For ME request M_CN3 change from 1N-0009003-FKN0 to 1N-000900B-FKG0

2010/10/13

P.01 [DB CN] For ME request M_CN8 change from 1N-0010009-FXG0 to 1N-001000A-FXG0

2010/10/14

P.08 [Cardreader CN] For MSSD issue change dumping resistor from 0ohm to 33ohm

P.01 [DB CN] For MOR request add M_CN25

2010/10/26

P.12 [Thermal sensor] For protect temperature setting change M_R75 from 1R-0002492-F20

2010/10/29

P.08 [Cardreader CN] Follow realtek suggestion M_C15 change from mount to NC

2010/11/23

P.07 [TP_M] For ME request M_CN23 change from 1N-0006009-FXT0 to 1N-0006005-FXG0

2010/11/29

P.10 [Audio Mute] For audio driver issue add M_R84

2010/11/30

P.10 [Audio Mute] For open noise M_C53 change from mount to NC

P.03 [Cardreader CN] For EMI request reserve M_C77,M_C78

P.01 [DB CN] For SI onerload test fail add M_F4

MP

2010/12/24

P.11 [Audio SPK CN] For Speaker noise issue change M_L1~M_L4(1L-BFCM160-8K00) to 0ohm resistor M_R85~M_R88

P.05 [KB CN] For the KSI signal voltage is too low then effect keyboard function change M_R23,M_R77~M_R83 from 82Kohm to 10Kohm

P.08 [Audio codec] When delete. M_C36,M_C38,M_CAP1,M_CAP3 and change M_L5,M_L6 from 1L-BHCB061-2100 to 1R-0000000-J300, the audio quality is OK

2010/12/27

P.01 [DB CN] For MB Side have F11 then M_CN9 pin49 delete M_F4(1M-F32V0A5-F002)

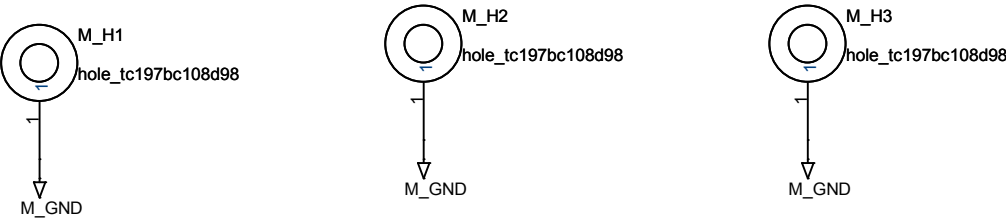
2011/01/05

P.01 [DB CN] For M_F4 broken issue M_CN4 pin11 GND change to NC

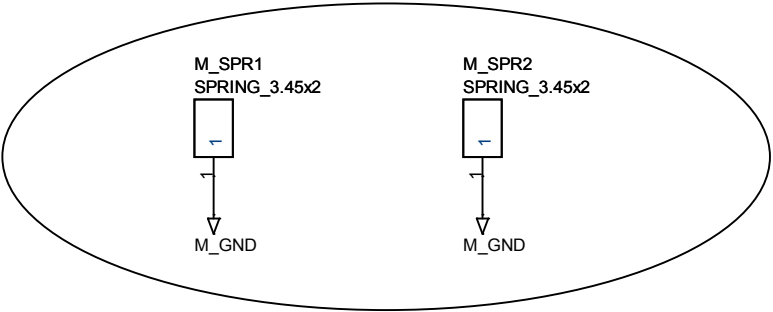
2011/01/20

P.06 [KB Backlit Connector_M] Keyboard backlight function of HW circuit no need, So delete M_R525,M_C420,M_Q33,M_Q35

FOXCONN		HON HAI Precision Ind. Co., Ltd. CCPBG - R&D Division	
Title		History (MS/SD)	
Size	Document Number	Rev	
A3	V030 MP	1.1	
Date:	Thursday, January 20, 2011	Sheet	14 of 15



MS/SD DB



2010.10.18
Add for EMI request

FOXCONN		HON HAI Precision Ind. Co., Ltd.	
		CCPBG - R&D Division	
Title		BOSS NUT	
Size	Document Number		Rev
A4	V030 MP		1.1
Date:	Thursday, January 20, 2011	Sheet	15 of 15