

Compal confidential

Schematics Document

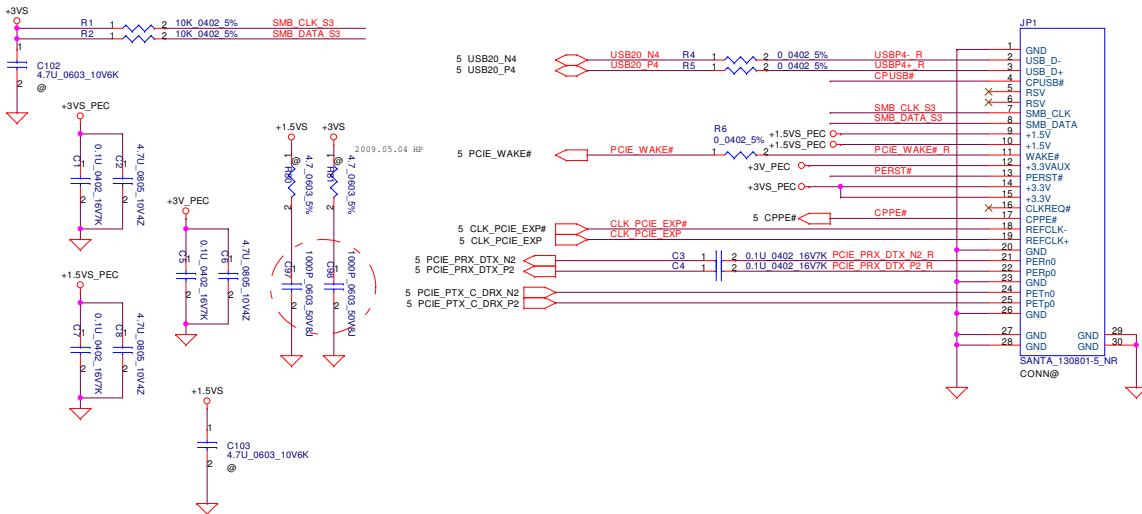
Mutil-Media Board

2009-07-21

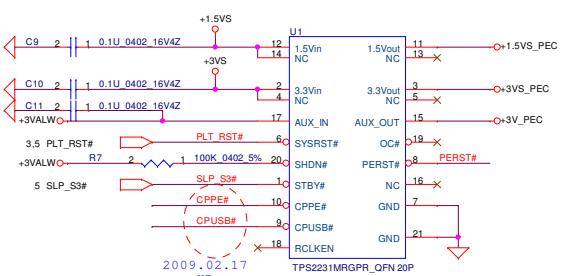
ver: 0.4

Security Classification		Compal Secret Data			
Issued Date	2008/09/16	Deciphered Date	2009/09/16	Title	Cover Sheet
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.					
Size Custom	Document Number LS-4954P	Rev 0.3			
Date: Tuesday, July 21, 2009	Sheet 1	of 8			

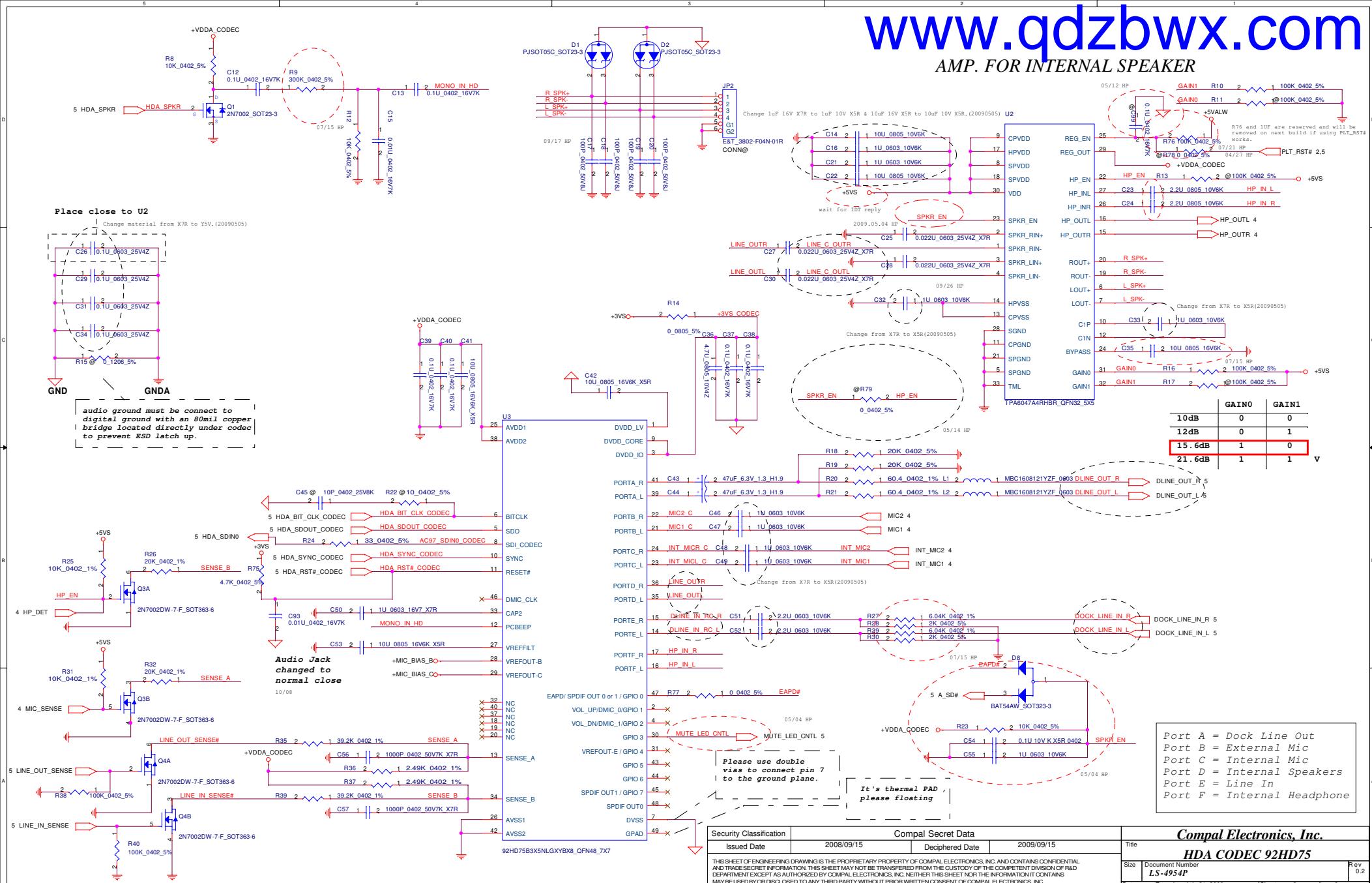
Express Card Slot



Express Card Power Switch



Security Classification		Compal Secret Data		Compal Electronics, Inc.	
Issued Date	2008/09/16	Deciphered Date	2009/09/16	Title	Express Card
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.					
Size	Document Number	Rev	0.2	Custom	LS-4954P
Date:	Tuesday, July 21, 2009	Sheet	2 of 8		



Compal Electronics, Inc.
HDA CODEC 92HD75

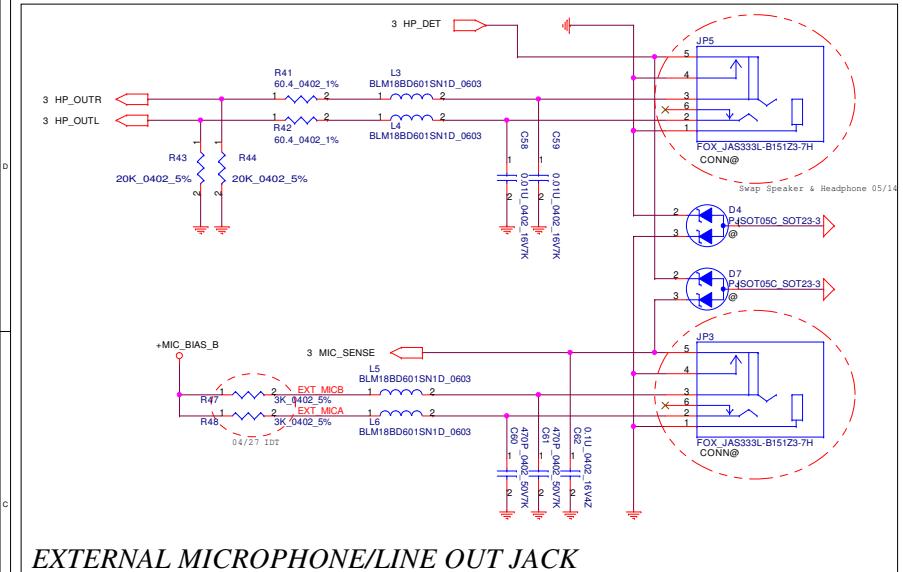
Title: LS-4954P
Size: Document Number: Rev. 0.2
Date: Tuesday, July 21, 2009 Sheet 3 of 8

Security Classification Compal Secret Data

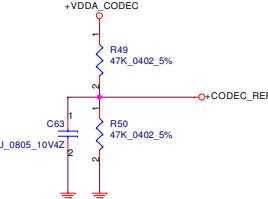
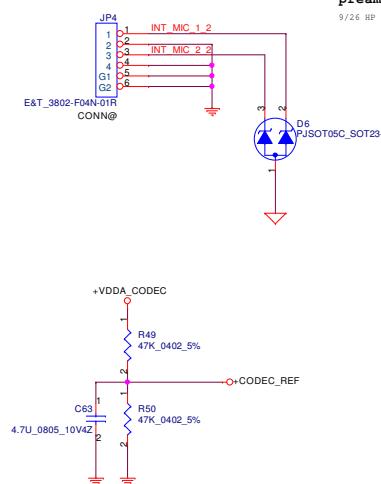
Issued Date: 2008/09/15 Deciphered Date: 2009/09/15

This sheet of engineering drawing is the proprietary property of COMPALELECTRONICS, INC and contains confidential and trade secret information. This sheet may not be transferred from the custody of the competent division of R&D department except as authorized by COMPALELECTRONICS, INC. Neither this sheet nor the information it contains may be used by or disclosed to any third party without prior written consent of COMPALELECTRONICS, INC.

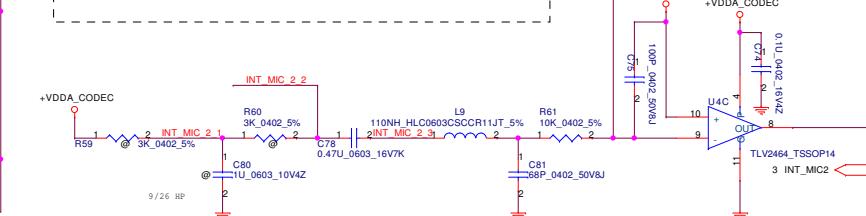
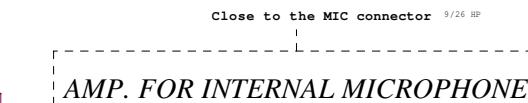
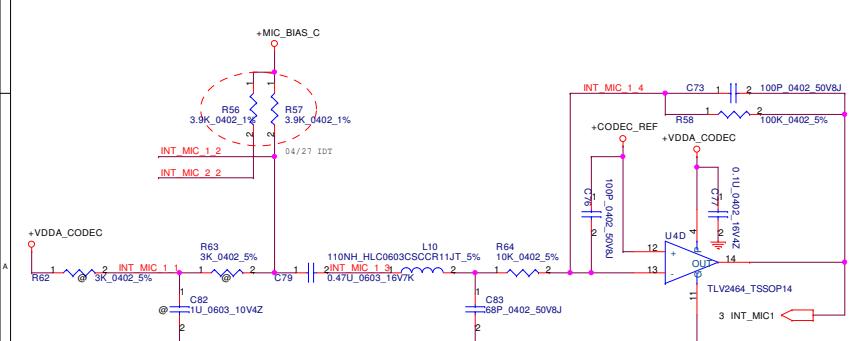
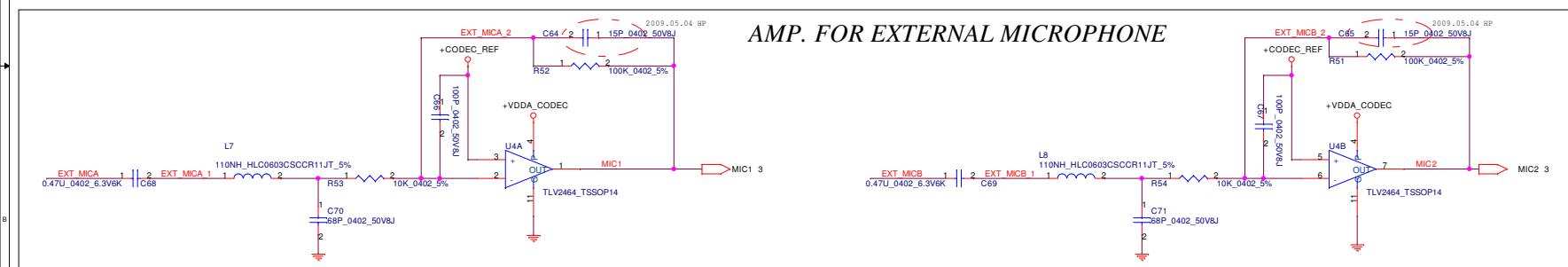
MIC Connect to
Must be placed on the audio
daughter board, close to the mic
preamplifier. Very important !



EXTERNAL MICROPHONE/LINE OUT JACK



AMP. FOR EXTERNAL MICROPHONE

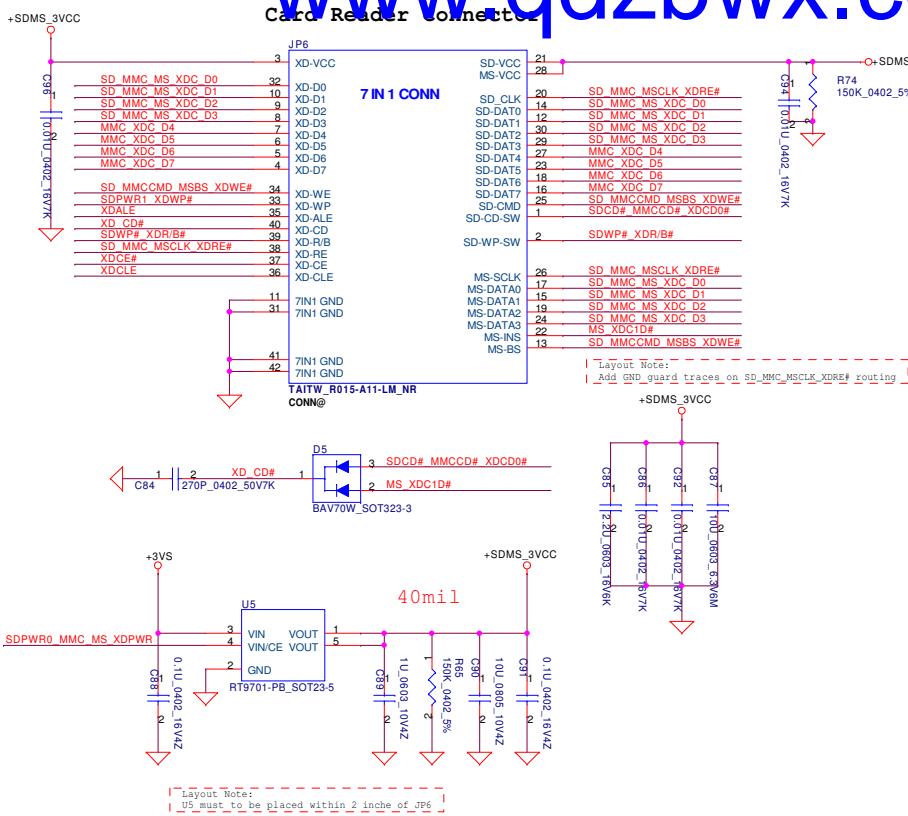
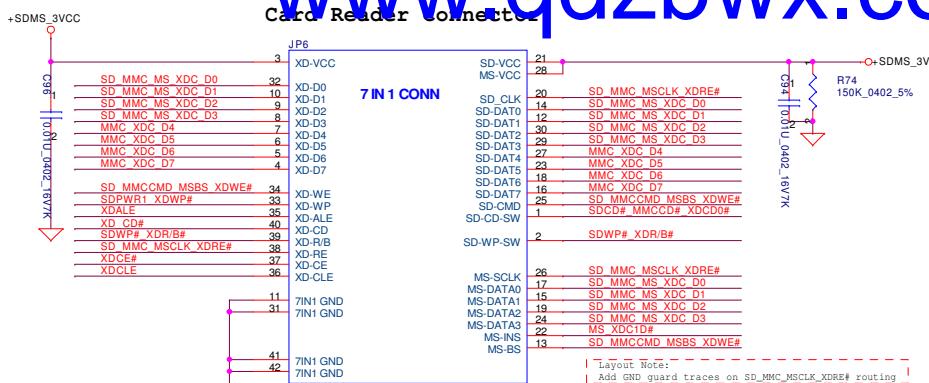
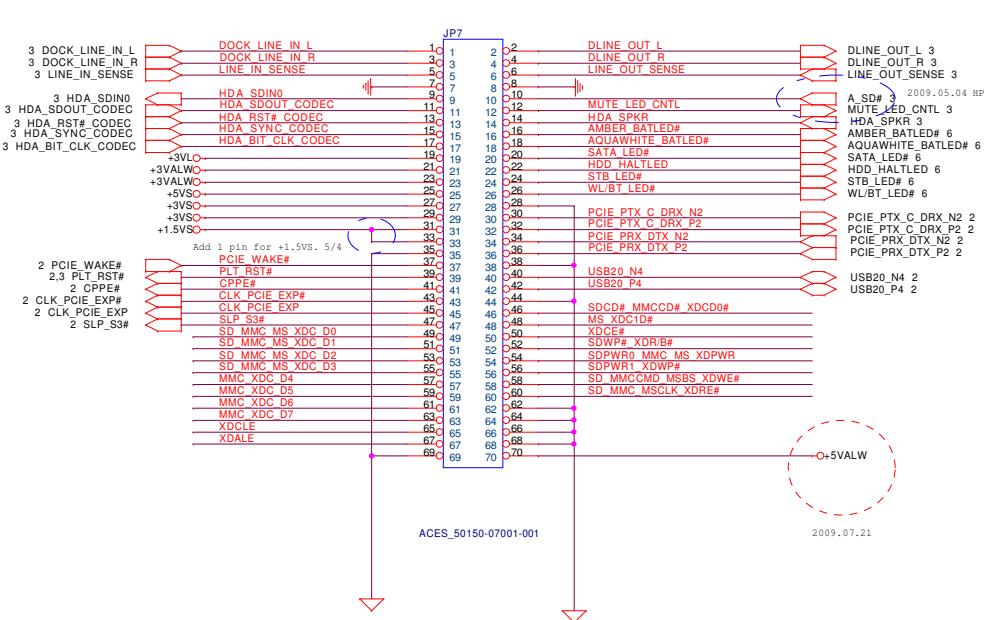


Security Classification	Compal Secret Data	Compal Electronics, Inc.
Issued Date	2008/09/15	Deciphered Date
	2009/09/15	Title AMP & Audio Jack

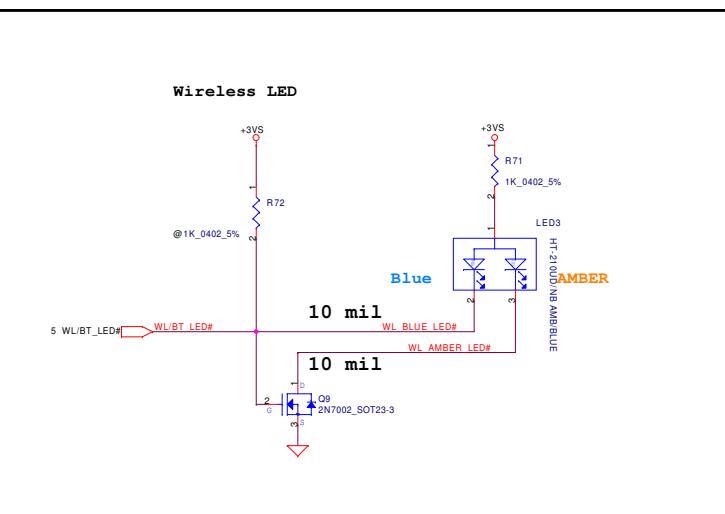
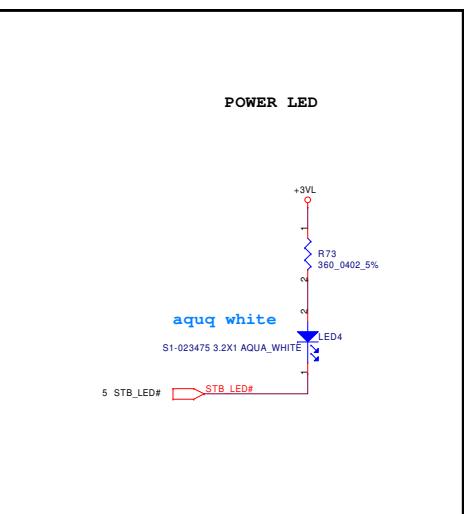
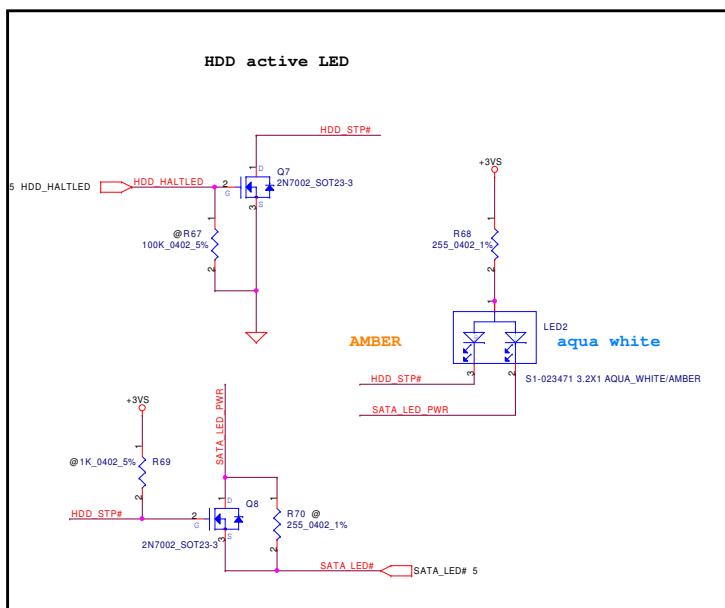
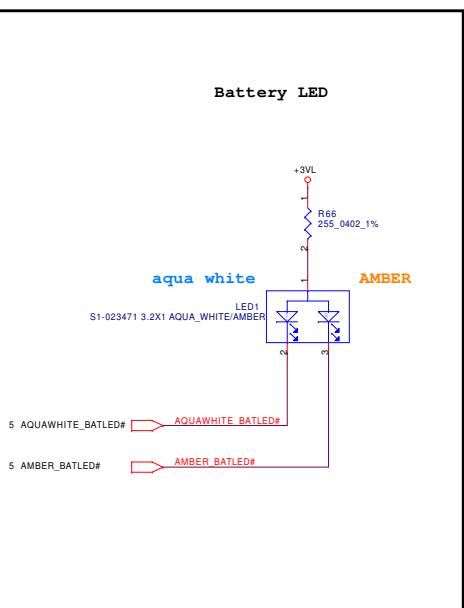
THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.

Size Document Number Rev
Sheet 4 of 8
LS-4954P 0.2
Date: Tuesday, July 21, 2009

Audio/Express Card/Card Reader Conn



+SDMS_3VCC



Security Classification	Compal Secret Data			Compal Electronics, Inc.
Issued Date	2008/09/16	Deciphered Date	2009/09/16	Title
<small>THIS SHEET OF ENGINEERING DRAWINGS IS THE PROPRIETARY PROPERTY OF COMPALELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IT MAY NOT BE COPIED OR DISCLOSED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE COMPANY. DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPALELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPALELECTRONICS, INC.</small>				
Size	Document Number	LED	LS-4954P	Rev 0.1
Date:	Tuesday, July 21, 2009	Sheet	6	of 8

5 4 3 2 1
Version Change List (P. I. R. List) for Multimedia Board Circuit

www.qdzbwx.com

Item	Page #	Title	Date	Request Owner	Issue Description	Solution Description	Rev.
1	2		02/17		CPPE# and CPUSB# reversed of power switch	reverse power switch pin 9 and pin 10	0.2
2	4		02/17		remove the +V_AMP circuit	remove R45 and R46	0.2
3	3		02/17		IDT suggest	Change the C23/24 value to 2.2uF/10V 0805 for THD+N	0.2
4	3		02/17		codec output Port R/L signals swap	swap codec output port R/L signals	0.3
5	3		04/27		HP Request	Remove SLP_S3# connect to REG_EN Add pull up +5VS 100K ohm to REG_EN	0.3
6	3		04/27		For IDT Reference schematic	Change R47 , R48 to 3K Change R56 , R57 to 3.9K	0.3
7	3		05/04		add solution for Mute the audio of Display port	1. add a N MOS connect to EAPD and A_SD# 2. remove the D3 3. connect U3 pin 30 to MUTE_LED_CNTL 4. change JP1 and JP11 pin14 from EAPD to MUTE_LED_CNTL 5. add the D9 and pin2 connect to EAPD# , pin3 to A_SD# and pin1 to SPRK_EN 6. Change A_SD to A_SD# at JP7.10 Change EAPD to MUTE_LED_CNTL at JP7.12	0.3
8	4		05/04		fix audio precision fail issue (Magnitude Response fail)	change C64 and C65 form 33P to 15P	0.3
9	2		05/04		prevent the voltage droop	Reserve 4.7U 0603 cap (NO INSTALL) on +1.5VS and +3VS	0.3
10	3		05/12		HP Request	1. Change R76 to NO INSTALL 2. Add a 0.1UF cap (NO INSTALL) from R76.2 to GND. 3. And add a 0 ohm (INSTALL) to connect PLT_RST# to U2.25 (REG_EN). 4. Change net name from MUTE_LED_CNTL to MUTE_LED_CNTL. 5. Change the red label "EAPD" to MUTE_LED_CNTL.	0.3
11	3		05/14		HP Request	Add a NO INSTALLL 0 ohm to connect SPKR_EN to HP_EN	A
12	4		05/14		HP Request	Swap JP3 & JP5	

Security Classification	Compal Secret Data		
Issued Date	2008/09/16	Deciphered Date	2009/09/16
Title Change List			
Size	Document Number	Rev	
Custom	LS-4954P	0.2	
Date: Tuesday, July 21, 2009		Sheet	7 of 8

THIS SHEET OF ENGINEERING DRAWING IS THE PROPRIETARY PROPERTY OF COMPAL ELECTRONICS, INC. AND CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. THIS SHEET MAY NOT BE TRANSFERRED FROM THE CUSTODY OF THE COMPETENT DIVISION OF R&D DEPARTMENT EXCEPT AS AUTHORIZED BY COMPAL ELECTRONICS, INC. NEITHER THIS SHEET NOR THE INFORMATION IT CONTAINS MAY BE USED BY OR DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT OF COMPAL ELECTRONICS, INC.

Version Change List (P. I. R. List) for Multimedia Board Circuit WWW.qdzbwx.com