

Compal confidential

Schematics Document Mut il-Media Board

2009-11-12

ver: 1.0

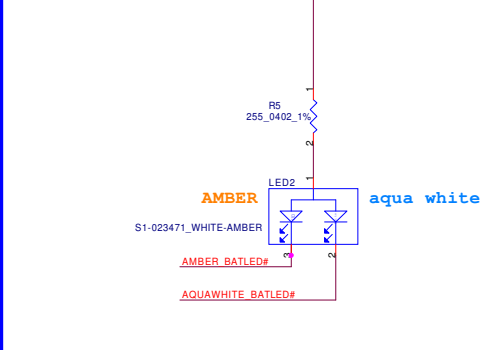
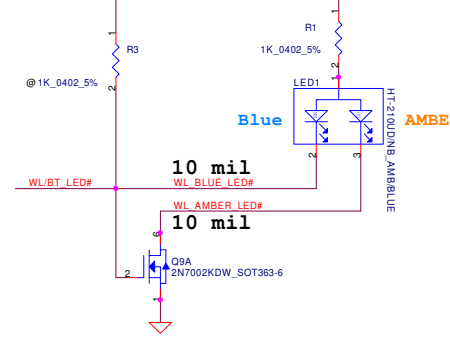
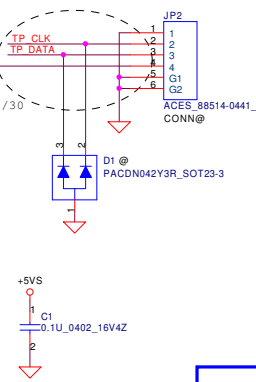
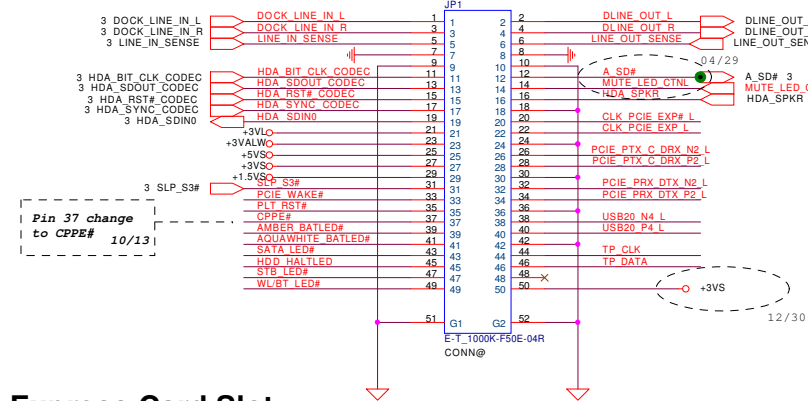
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Issued Date	2008/09/16	Deciphered Date	2009/09/16	Cover Sheet		
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Audio/Express Card/TP/LEDs Connector For 15.6 inch

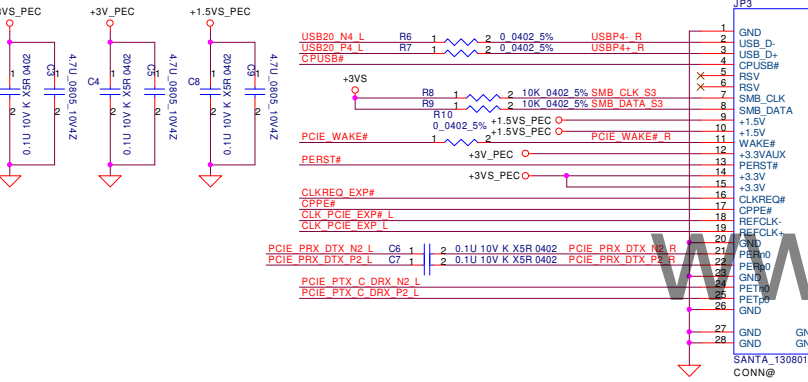
T/P BOARD.

Wireless LED

Battery LED

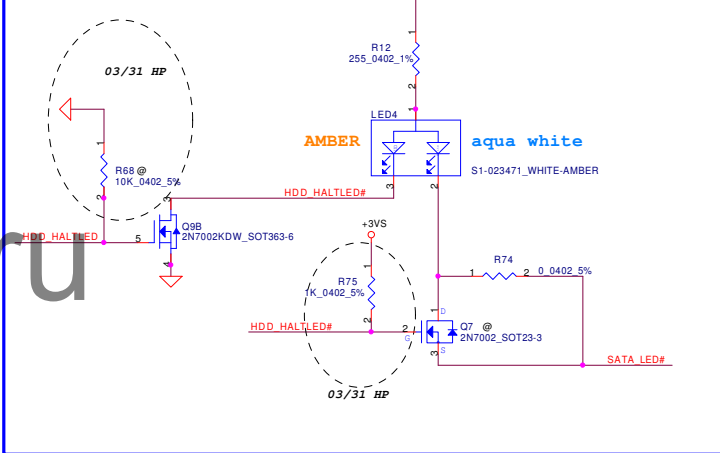
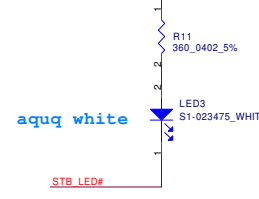


Express Card Slot

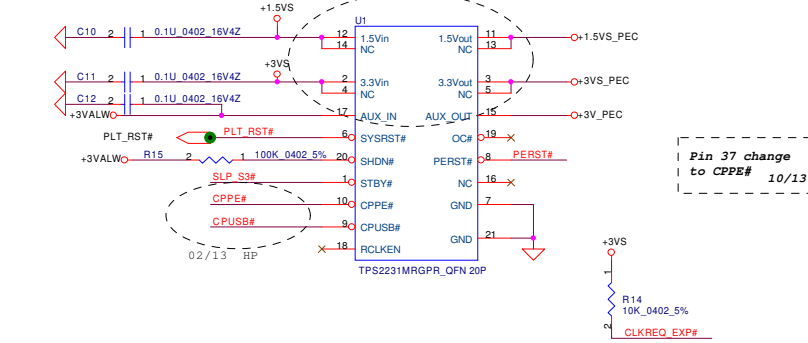


POWER LED

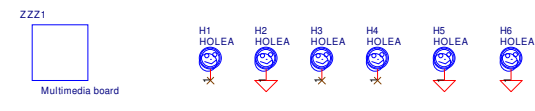
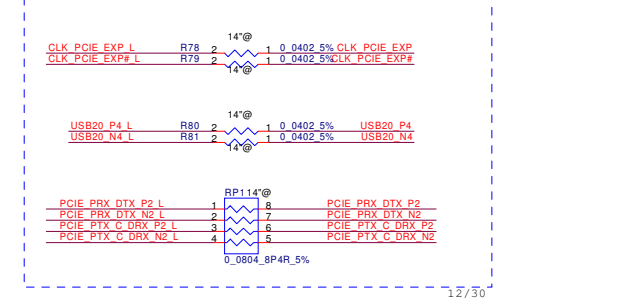
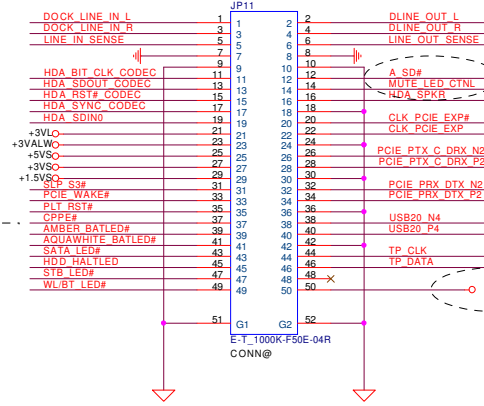
HDD active LED



Express Card Power Switch

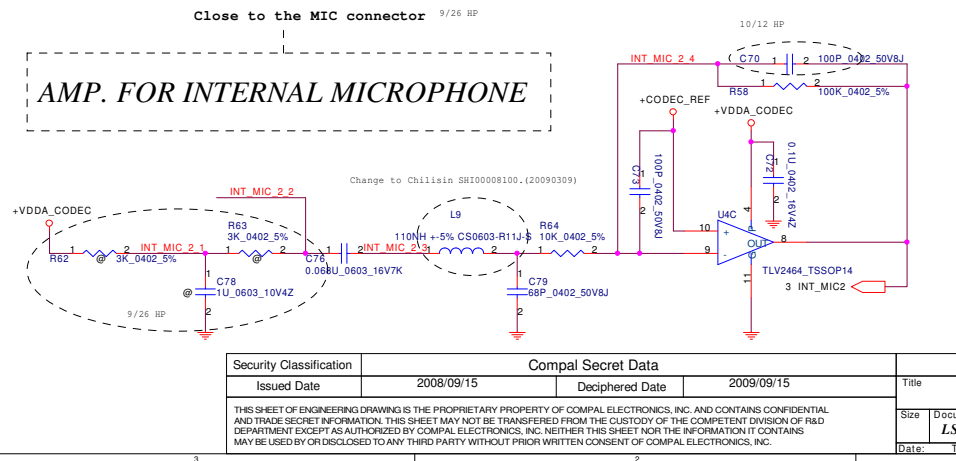
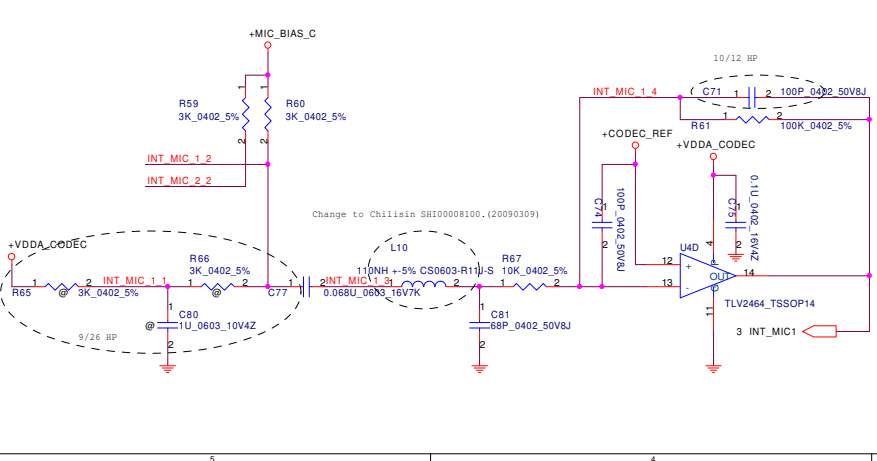
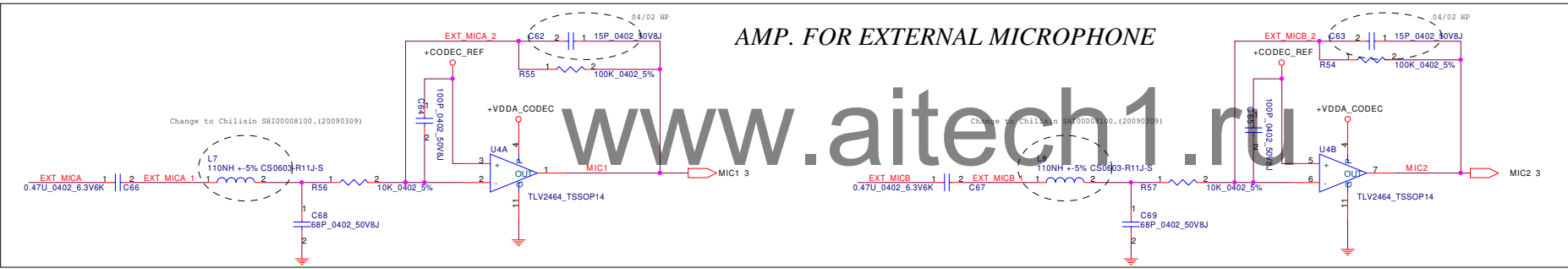
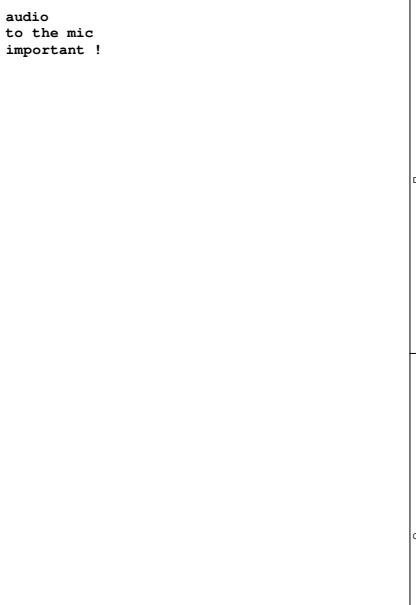
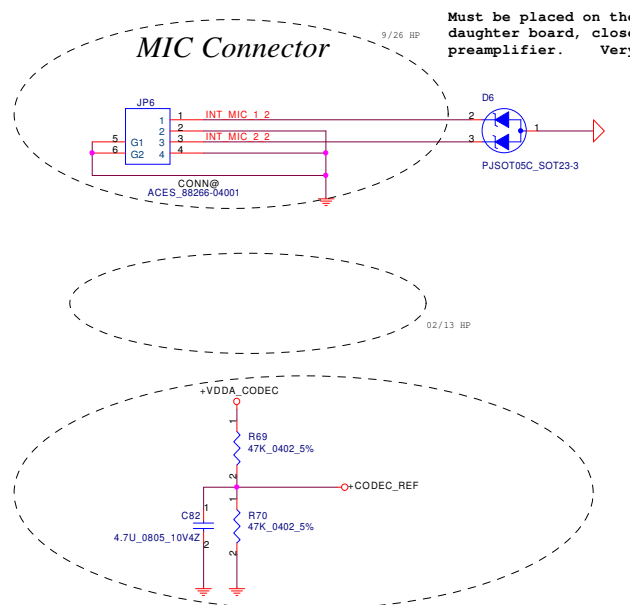
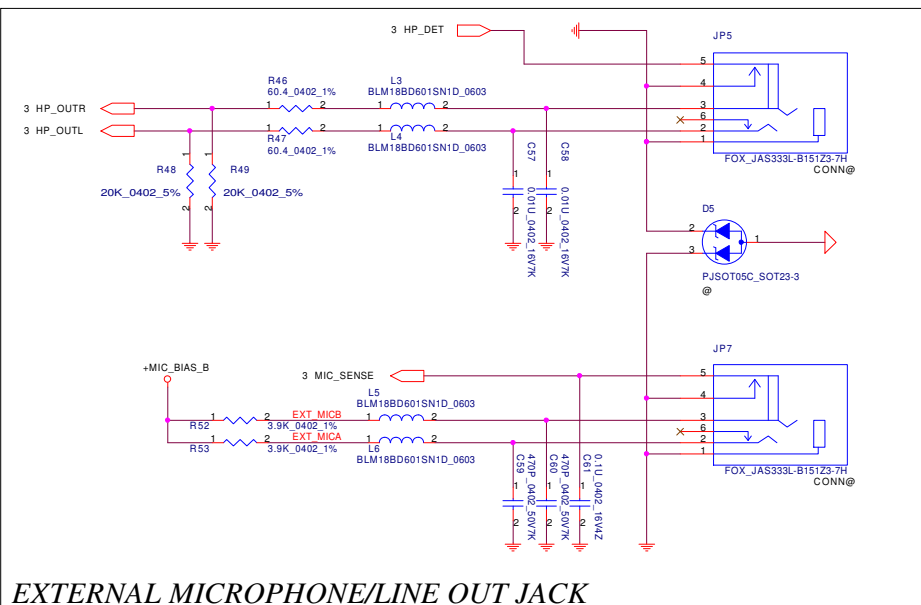


Audio/Express Card/TP/LEDs Connector For 14 inch



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Port A = Dock Line Out
Port B = External Mic
Port C = Internal Mic
Port D = Internal Speakers
Port E = Line In
Port F = Internal Headphone



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

Item	Page#	Title	Date	Request Owner	Issue Description	Solution Description	Rev.
1	3	Audio	11/12	HP	HP request	Modify net name from DOCK_HPS# to LINE_OUT_SENSE.	
2	3	Audio	11/12	HP	HP request	Invert signal with a 2N7002 at R45 for HP request .	
3	3	Audio	11/12	Compal	Chipset can't work normally.	Reverse pin 1 & pin3 on U3.	
4	3	Audio	11/24	Compal	Microphone can't be detected.	Add 10K ohm for pull up to +VDDA_CODEC for MIC_SENSE.	
5	2	Touch Pad	12/12	Compal	TP FFC ME design can not meet pin assignment	change JP2 pin assignment (reverse)	
6	2		12/16	HP	Stub Line effect	Add R78~R81 & RP1 to control 14' BTB connector co-layout.	
7	3		12/29	Compal	Speaker haven't output but docking have output	R76 and R77 change to 100k ohm and pull down to GND	
8	3		1/7	HP	HP request	HDA_RST#_CODEC add a 0.01u cap connect to GND. (Reserve) HDA_RST#_CODEC add a 4.7K ohm pull up to DVDD. (Reserve)	
9	4		1/15	Compal	ESD request	add D6 for Microphone to protect ESD.	0.3
10	3	Audio Amp	02/10	IDT	Codec Analog In/Out port trace crossover.	Change value of C21 & C24 from 2.2uF 0603 10V to 2.2uF 0805 10V.	0.3
11	1	Express Power Switch	02/13	HP	CPPE# and CPUSB# reversed of power switch	Reverse pin 9 and pin 10 of U1.	0.3
12	4		02/13	HP	remove the +V_AMP circuit	Remove R50 and R51	0.3
13	3		03/30		static noise at cold boot heard	Change U2 pin 25 REG_EN to +5VS and reserve D7	0.3
16	4		03/30		for IDT provide reference schematic	Change R52 and R53 to 3K ohm and change R59 and R60 to 3.9K ohm	0.4
17	2		03/31	HP	HP request	change R68 pin 1 from connect +3VS to connect GND and reserve	0.4
18	2		03/31	HP	HP request	install the R75 with 1K ohm	0.4
19	4		4/2	IDT	fix audio precision fail issue (Magnitude Response fail)	change C62 and C63 form 33P to 15P	0.4
20	3		4/8	HP	HP request	change R83 with 100K ohm change R83.1 form +5VS to PLT_RST#	0.4

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

Item	Page#	Title	Date	Request Owner	Issue Description	Solution Description	Rev.
21	3		4/8	HP	HP request	change D4 to reserve	0.4
22	3		4/10	HP	HP request	change R83 pin1 to +3VALW and reserve R83	0.4
23	3		4/10	HP	HP request	change D7 pin 1 to PLT_RST# and install D7	0.4
24	3		4/15	HP	HP request	remove the D7 connect to REG_EN and +3VALW ;change R83 pin1 to PLT_RST# with 0 ohm	0.4
25	3		4/29	HP	add solution for Mute the audio of Display port	1. add a N MOS connect to EAPD and A_SD# 2. remove the D4 3. connect U3 pin 30 to MUTE_LED_CTL 4. change JP1 and JP11 pin14 from EAPD to MUTE_LED_CTL	0.4
26	3		5/4	HP	modify circuit for Mute the audio of Display port	1. remove N MOS that connect EAPD and A_SD# 2. add the D4 and pin2 connect to EAPD# , pin3 to A_SD# and pin1 to SPRK_EN 3. change JP1 and JP11 pin12 name from A_SD to A_SD#	0.4
27	2		5/11		for GMT express card power switch power pin	connect the U1 pin4 to pin2 , pin5 to pin3 , pin13 to pin11 , pin14 to pin12 ,	0.4
28	3		5/19		HP request	change R83 from 0 ohm to 100k ohm	0.4
29	3		6/25		HP request	change R33 R35 from 4.7k ohm to 6.04k ohm	0.5
30	3		6/25		HP request	change R34 R36 from 4.7k ohm to 2.0k ohm	0.5
31	3		6/25		HP request	change R20 from 100k ohm to 300k ohm	0.5
32	3		8/26		For Tag pop noise when system restart	U2 pin 25 add the R84 pull up to +5VS reserve the R83	0.6

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