

# Compal Confidential

## NAV50 Schematics Document

I/O Board (USB/Card Reader/Audio/WLAN)

2009-10-28

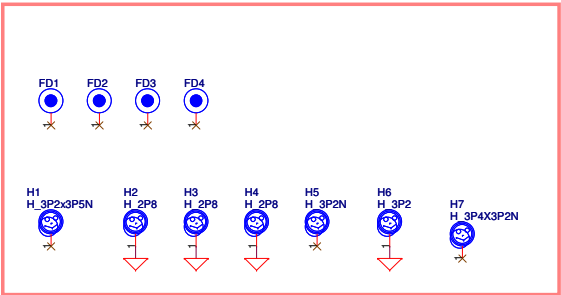
REV: 1.0

Compal Electronics, Inc.			
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Cover Page			
Size	Document Number		Rev
Custom	NAV50 LS-5655P		1.0
Date:	Wednesday, October 28, 2009		Sheet 1 of 10

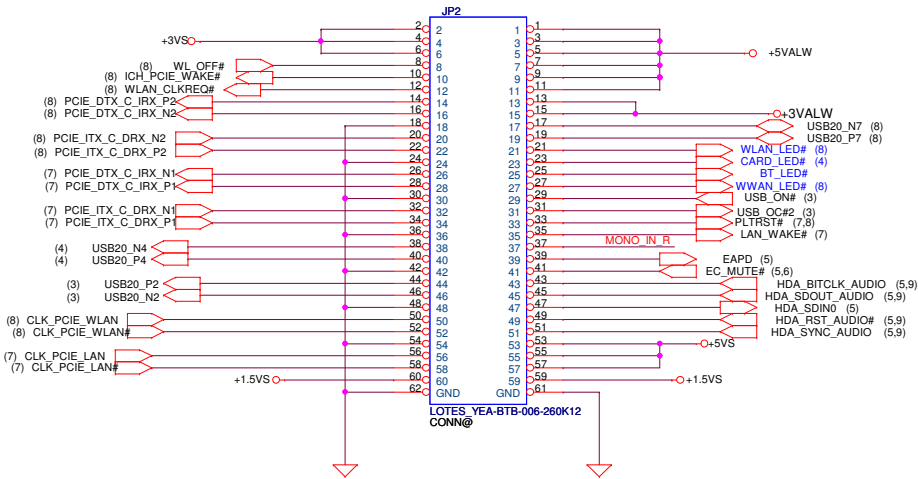
# COMPAL CONFIDENTIAL

MODEL NAME: NAV50  
PCB NAME: LS-5655P I/O Board  
COMPAL P/N: DA60000FF10  
REVISION: 1.0  
DATE: 2009/10/28

8/6 Update information about aperture



## I/O Board Conn.

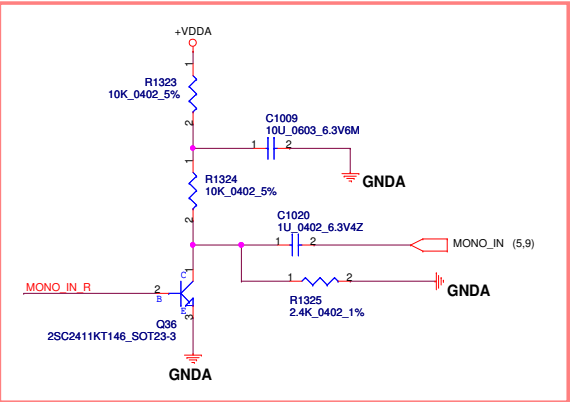
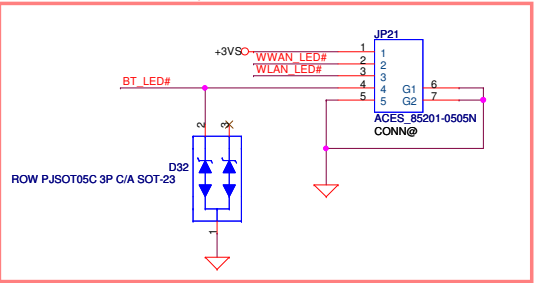


5/20 Update connector pin name  
6/23 Update connector pin name  
7/01 Update pin number 8, 10, 14, 16, 20, 22  
7/02 Update PIN42 to +5VS

5/5 Update compal number

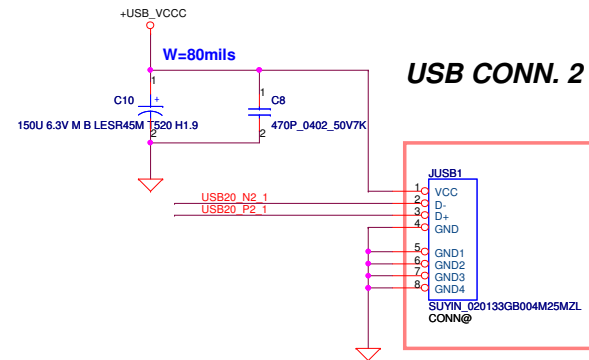
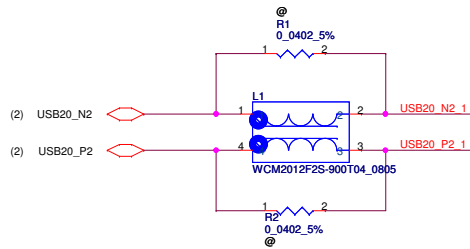
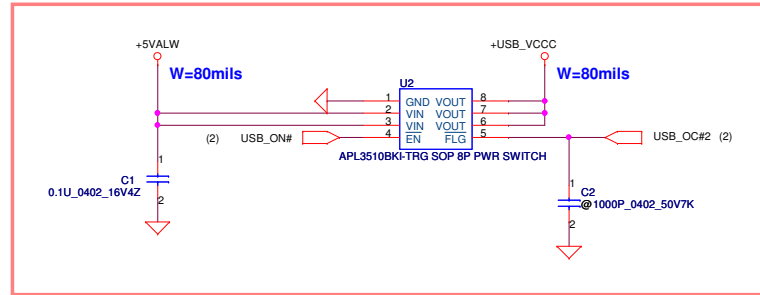


09/30 add ESD



6/26 Add circuit

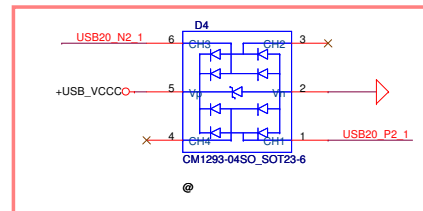
# 5/5 Add U2 circuit



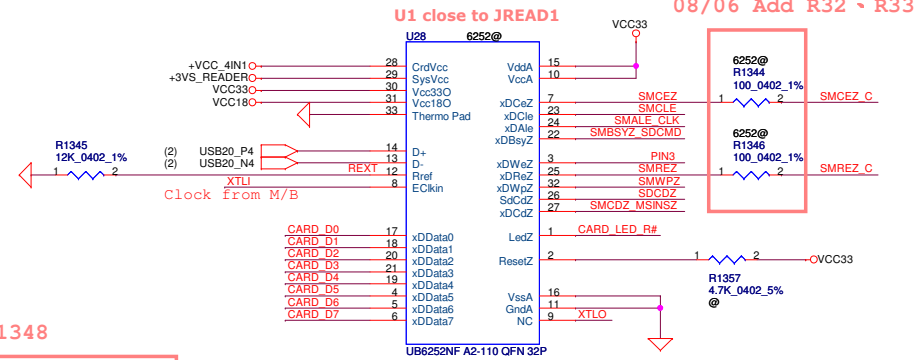
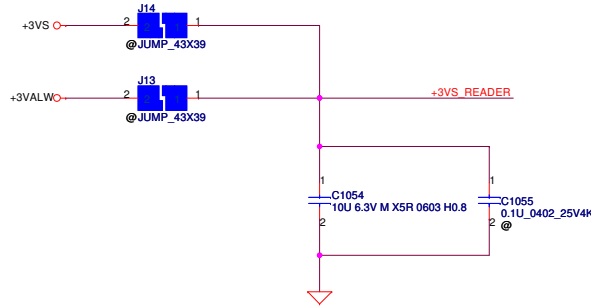
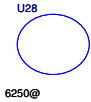
## USB CONN. 2

5/12 Revised USB connector  
6/23 Update USB connector

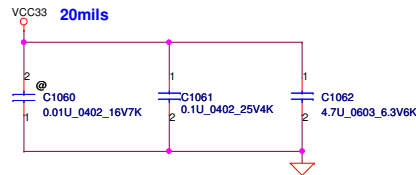
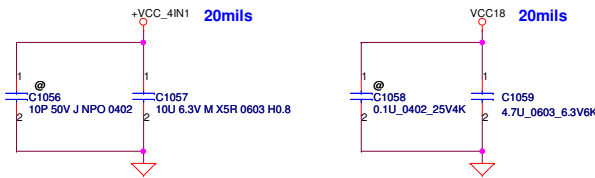
## 5/12 Revised net name



5/14 Deleted JUSB2



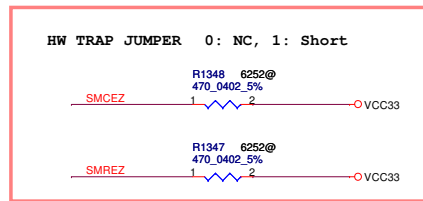
#### C1048 - C1049 close to U1



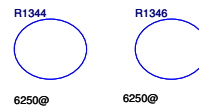
07/02 Revised C1053 to 0.01u

ByPass Capacitors

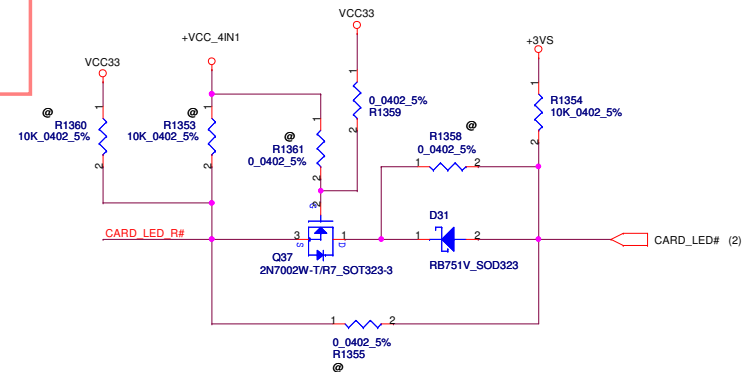
#### 08/06 Add R1347 ~ R1348



when you use UB6250, R1347 ~ R1348 is NC

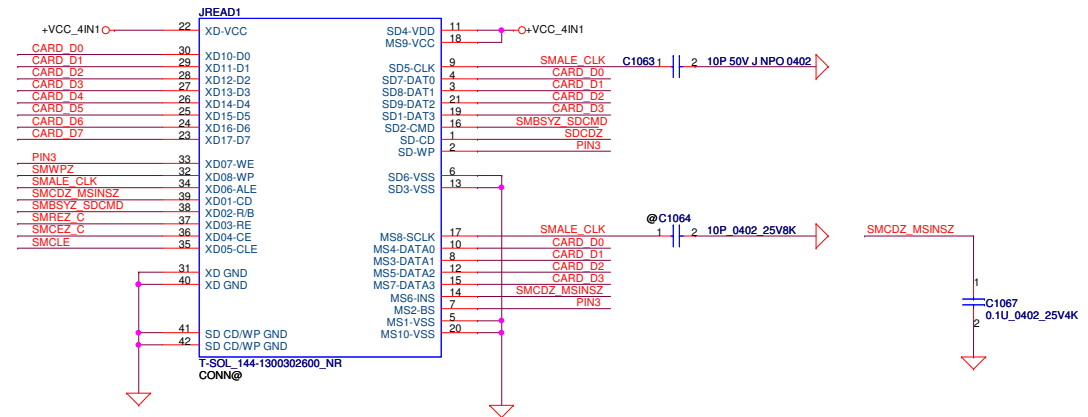


If use external crystal (Y4),  
U1 will change UB6252

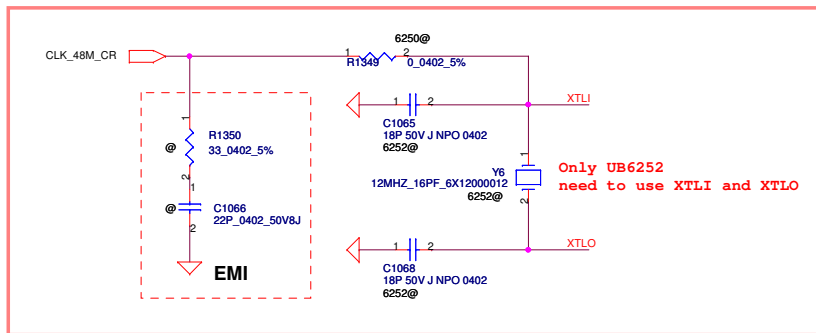


07/02 Update JREADER1

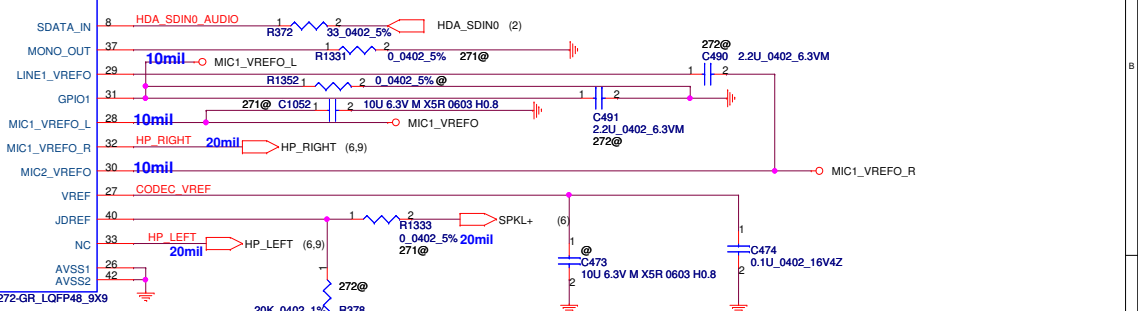
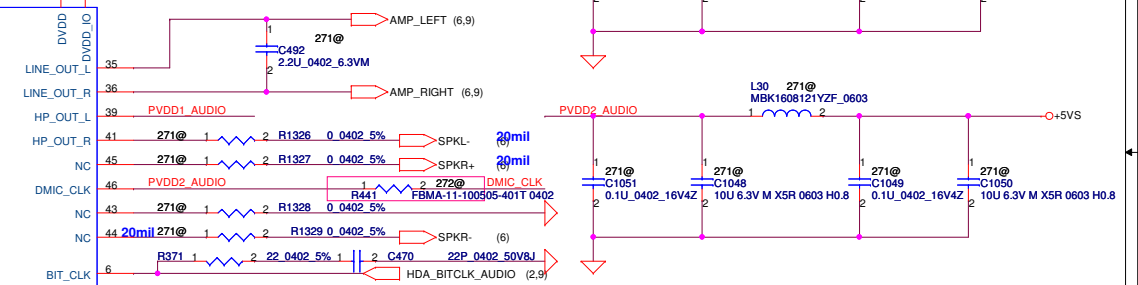
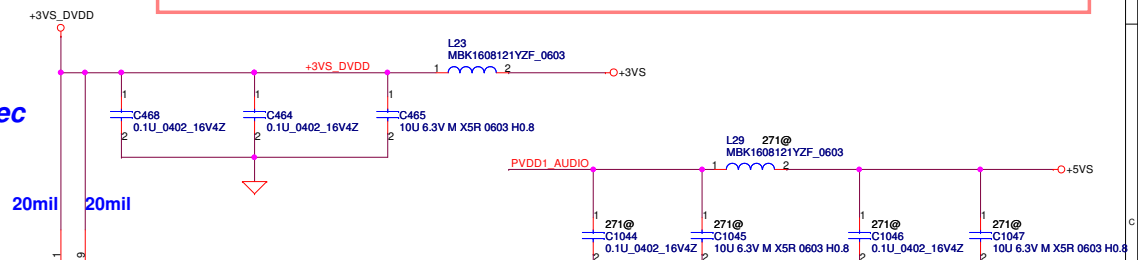
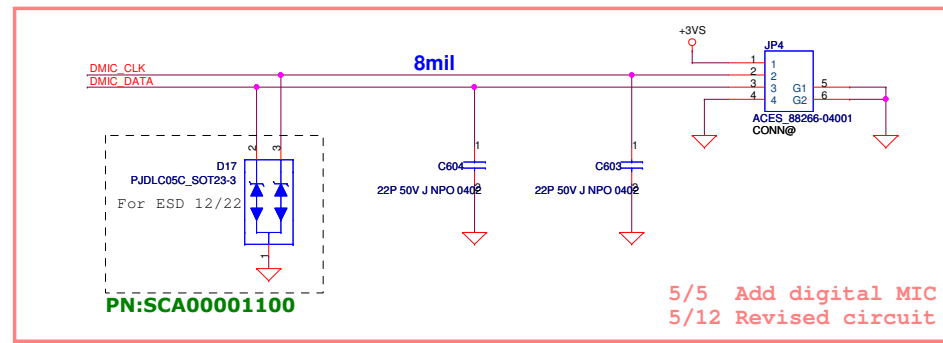
#### Card Reader Connector



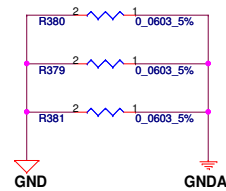
#### 4/30 Add CLK\_SD\_48M

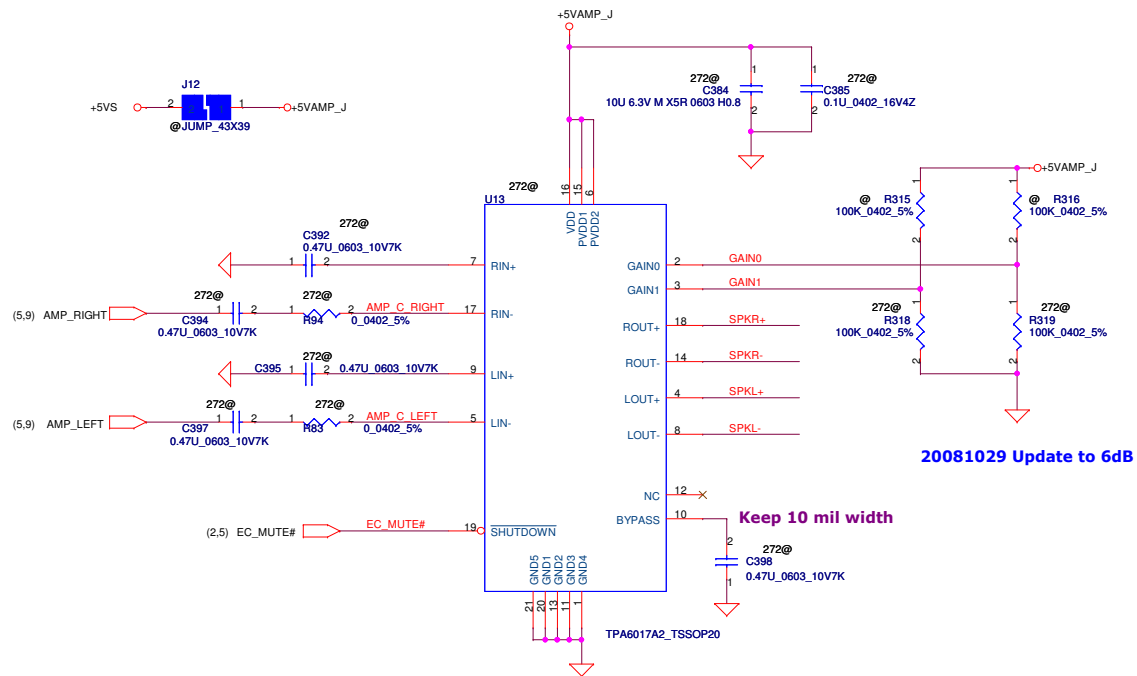


Security Classification	Compal Secret Data			Compal Electronics, Inc.		
Issued Date	2009/01/22	Deciphered Date	2009/11/20	Card reader		
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				Custom	NAV50 LS-5655P	0.1
				Date:	Wednesday, October 28, 2009	1 of 10

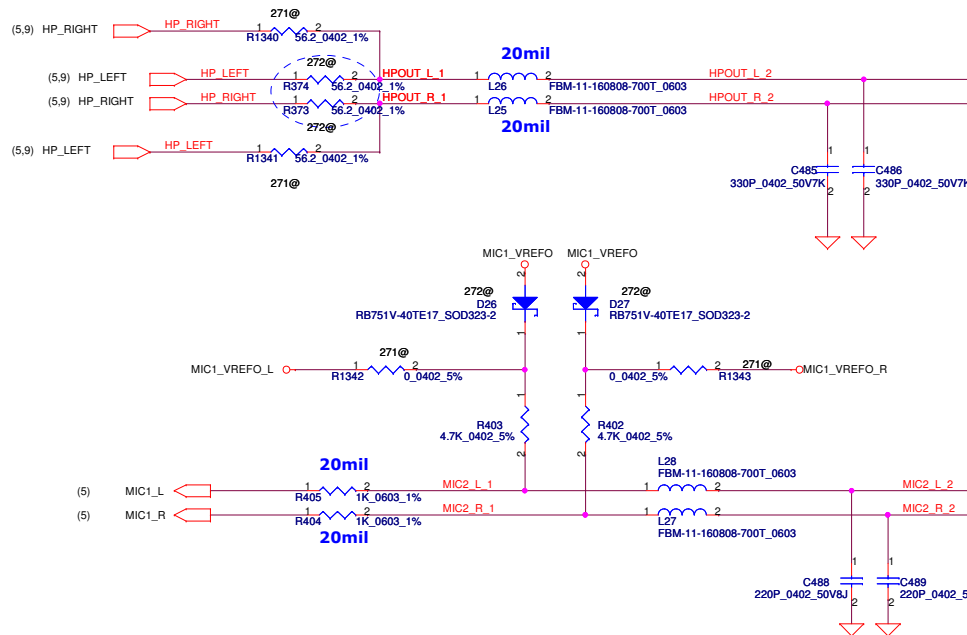
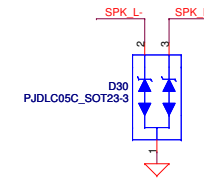
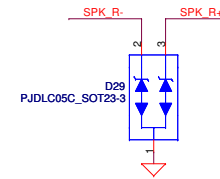
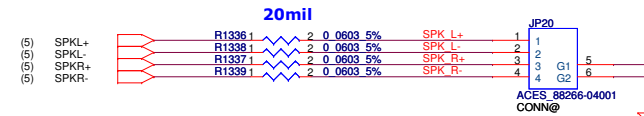


**Change to SA00002CI20 ALC272-VA2-GR**

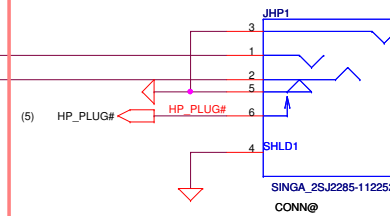




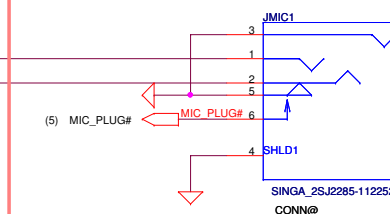
### Int. Speaker Conn.



### Headphone JACK



### MIC JACK

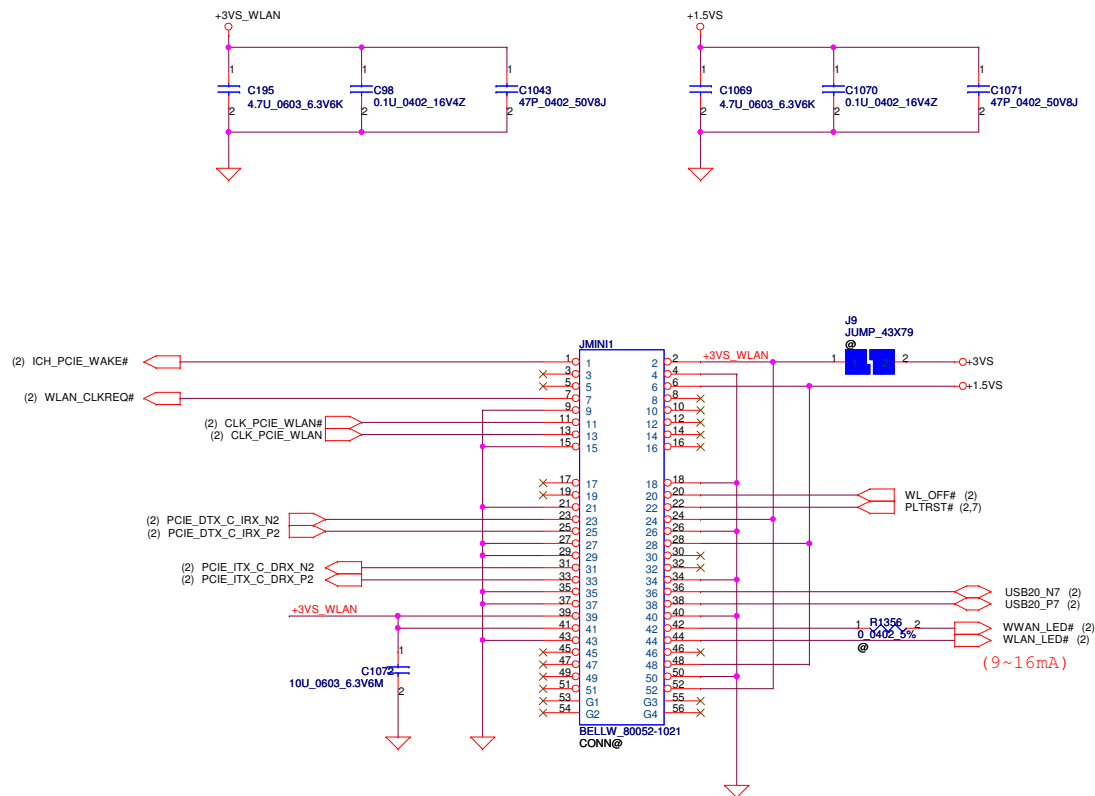


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Title			<Title> <b>Amplifier &amp; Audio Jack</b>
Size	Document Number	Rev	
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Date:	Wednesday, October 28, 2009	Sheet	6 of 10

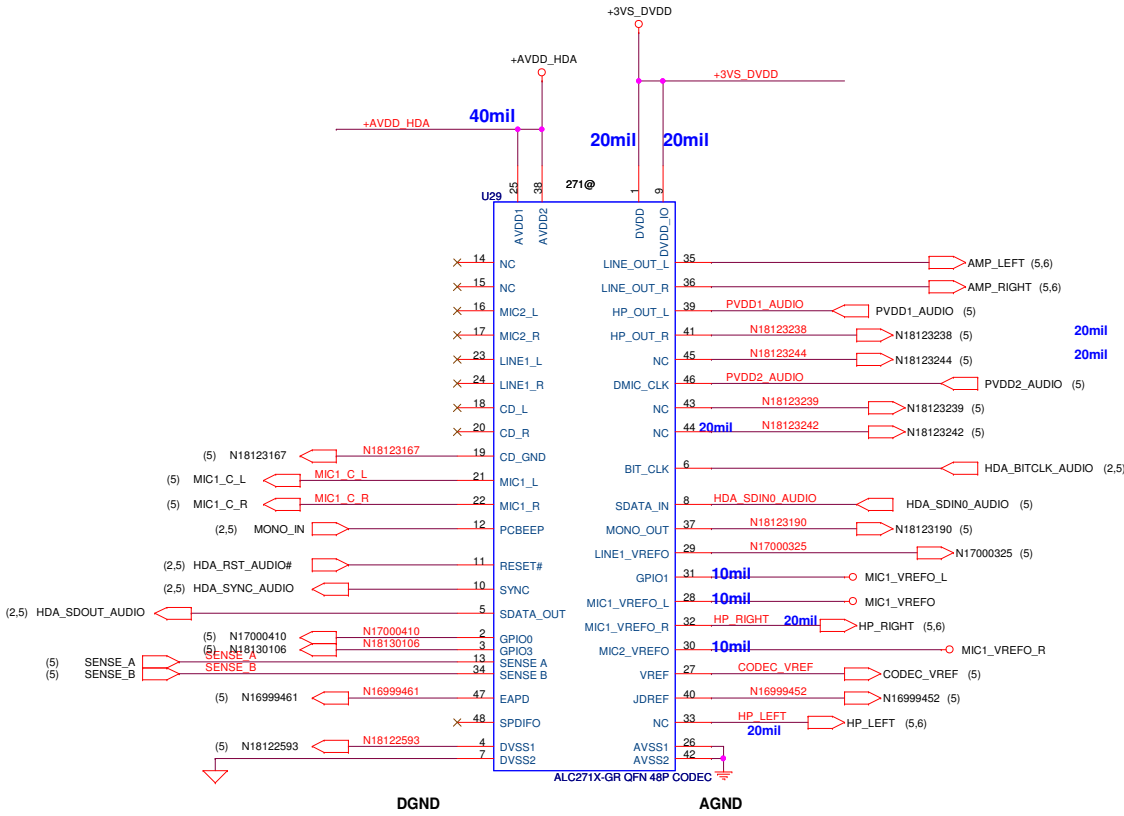


## Mini-Express Card for WLAN





HD Audio Codec



Sense Pin	Impedance	Codec Signals
SENSE A	39.2K	PORT-A (PIN 39, 41)
	20K	PORT-B (PIN 21, 22)
	10K	PORT-C (PIN 23, 24)
	5.1K	PORT-D (PIN 35, 36)
SENSE B	39.2K	PORT-E (PIN 14, 15)
	20K	PORT-F (PIN 16, 17)
	10K	PORT-G (PIN 43, 44)
	5.1K	PORT-H (PIN 45, 46)

If I have revised anything ,  
I will high light by pink word and pink frame.

04/30

- (1) P2 Add CLK\_SD\_48M

05/05

- (1) P2 update compal number
- (2) P2 Add USB\_OC#1\_2 and USB\_ON# to net
- (3) P3 Add U2 circuit
- (4) P3 Add IC(U2)
- (5) P4 Revised 0 ohm
- (6) P5 Add digital MIC

05/12

- (1) P2 Update information about aperture
- (2) P2 Update USB connector
- (3) P3 Revised net name
- (4) P5 Revised circuit
- (5) P7 Upate RJ45 connector (the same as KAV60)
- (6) P8 Update WLAN connector(the same as KAV60)

05/14

- (1) P3 Deleted JUSB2
- (2) P7 Update RJ45 connector(the same as NAV20)

05/20

- (1) P2 Update connector pin name

06/01

- (1) P7 Update circuit
- P8 Revised 37、39、41、42、43 to NC

06/12

- (1) P8 Update connector to DC040006S00

06/19

- (1) P6 Update Headphone connector to SP010906161
- (2) P6 Update MIC connector to SP010906161

06/23

- (1) P3 Update USB connector to SP010906181
- (2) P2 Add connector(JP21)\_delete

06/26

- (1) P2 Add circuit
- (2) P8 Update JMINI1 footprint

07/01

- (1) P2 Update pin number 8,10,14,16,20,22
- (2) P8 update pin 23,25,31,33

07/02

- (1) P2 Update PIN42 to +5VS
- (2) P7 Add R42

07/02/B

- (1) P4 Update JP1

07/04

- (1) P5 Add C23

08/06

- (1) P4 Add R32、R33
- (2) P4 Add R1347、R1348

10/07

- (1) P3 DEL R1, R2 ; ADD L1
- (2) P4 Change C1065, C1068 to SE071270J80
- (3) P5 Change R441, R438 C1068 to SM01000FO00
- (4) P6 D29, D30 NU

Compal Electronics, Inc.			
Title		<Title> Revised List	
Size	Document Number	NAV20 LS-5652P	
Custom<Doc>			Rev 0.1
Date: Thursday, October 08, 2009		Sheet 10	of 10