

Revision History

Ver 0.39

- (1)Add one page for describing the speaker configuration of ALC880 and CMI9880.
- (2)Swap the Surr output and Side Surr output at the rear pannel for CMI9880.

Ver 0.40

- (1)Add one page(Desktop Configuration 3) for designing 8 UAJ Jacks(6 jacks at real panel + 2 jacks at front panel) of ALC880

Ver 0.41

- (1)Modify CMI-9880 SenseA/SenseB/ JDREF pins application circuit (add the filter circuit to eliminate noise for proper jack detection function)
- (2)Modify the SPDIF_IN circuit(add 75 Ohm resistor for more SPDIF devices compatible)
- (3)Modify 1-3 Page (Mobile configuration) circuit(Codec 40pin:JDREF ;20K,1% resistor)
- (4)Modify ALC880/260 Stand-by Mode circuit

Ver 0.42

- (1)Add ALC882/880 Co-lay circuit
- (2)Add one page circuit(only ALC882 circuit)
- (3)Modify 1-4 page; GPIO_VREFO Control circuit

Ver 0.43

- (1)Add ALC883 Co-lay circuit
- (2)Modify ALC882 circuit(SPDIF_IN circuit,10k-->12k)
- (3)Modify 1-4 page(8 UAJ phonejacks); GPIO_VREFO Control circuit
- (4)Modify ALC880/260/882/883 Stand-by/de-pop Circuit

Ver 0.44

- (1)Add ALC262 Co-lay circuit

Ver 0.45

- (1)Add ALC861 Co-lay circuit for desktop configuration

Ver 0.46

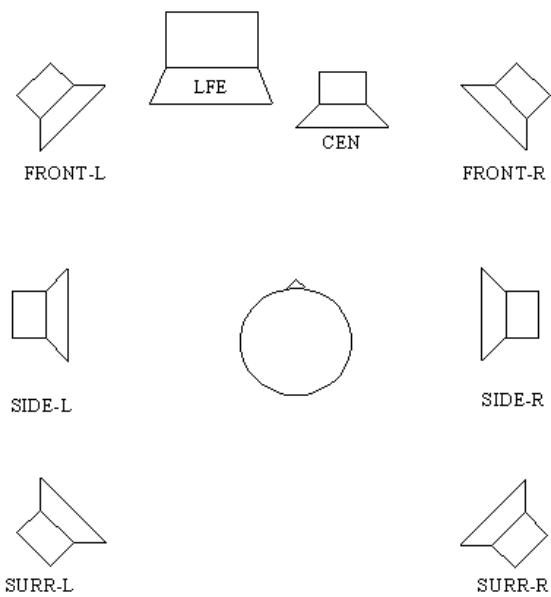
- (1)Modify the S/PDIF DC Bias circuit

Ver 0.47

- (1)Modify some pages about the mistake of S/PDIF_OUT divided resistor circuit

Realtek Semiconductor, Crop.			
Title			
ALC880/882/260/883/262/CMi9880			
Size	Document Number		
Revision History			
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			Rev 0.47

7.1 Speaker Configuration for ALC880/882/883



Desktop Configuration 1

	PORT-A	PORT-B	PORT-C	PORT-D	PORT-E	PORT-F	PORT-G	PORT-H
Function	SURR	MIC-IN	LINE-IN	FRONT	LINE2	MIC2	CEN/LFE	SIDE
Location	Rear	Rear	Rear	Rear	Front	Front	Rear	Rear

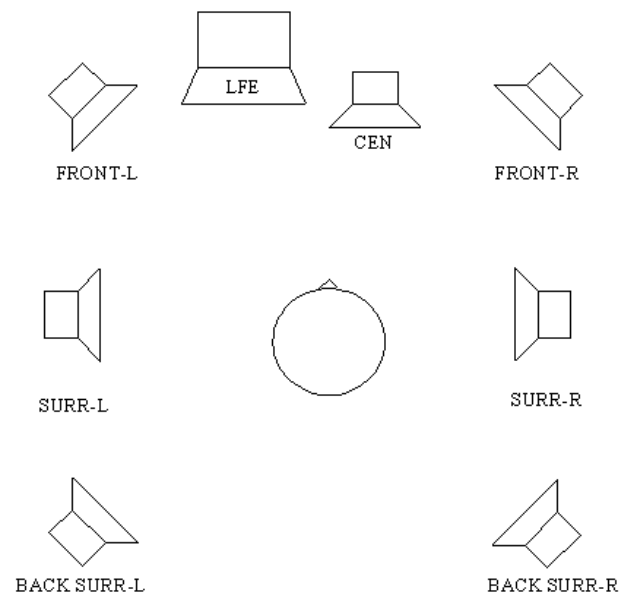
Desktop Configuration 2

	PORT-A	PORT-B	PORT-C	PORT-D	PORT-E	PORT-F	PORT-G	PORT-H
Function	UAJ	UAJ	UAJ	UAJ	UAJ	UAJ	Vrefout	Vrefout
Location	Front	Rear	Rear	Rear	Front	Front	Rear	Rear

Desktop Configuration 3

	PORT-A	PORT-B	PORT-C	PORT-D	PORT-E	PORT-F	PORT-G	PORT-H
Function	UAJ	UAJ	UAJ	UAJ	UAJ	UAJ	UAJ(GPIO0)	UAJ(GPIO1)
Location	Rear	Rear	Rear	Rear	Front	Front	Rear	Rear

7.1 Speaker Configuration for CMI9880



Desktop Configuration 1

	PORT-A	PORT-B	PORT-C	PORT-D	PORT-E	PORT-F	PORT-G	PORT-H
Function	BACK-SUR	MIC-IN	LINE-IN	FRONT	LINE2	MIC2	CEN/LFE	SURR
Location	Rear	Rear	Rear	Rear	Front	Front	Rear	Rear

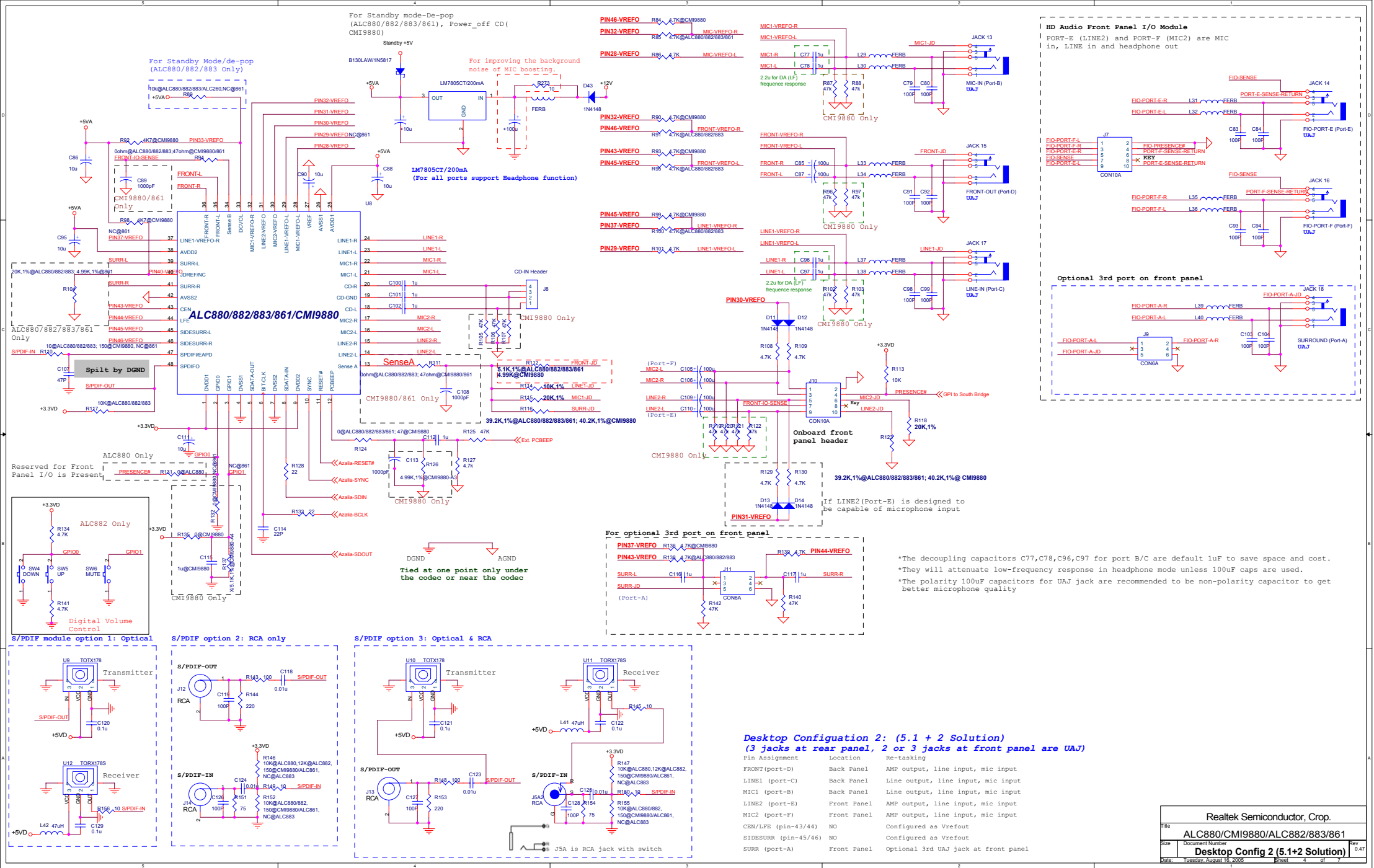
Desktop Configuration 2

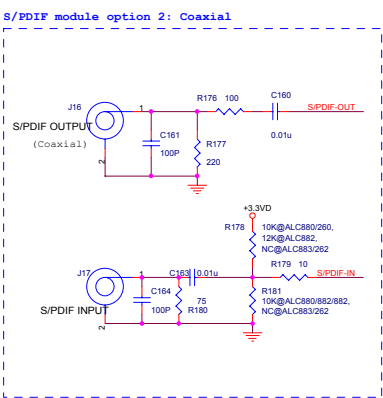
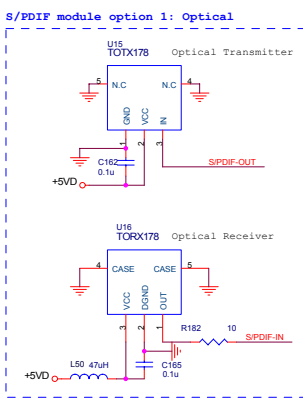
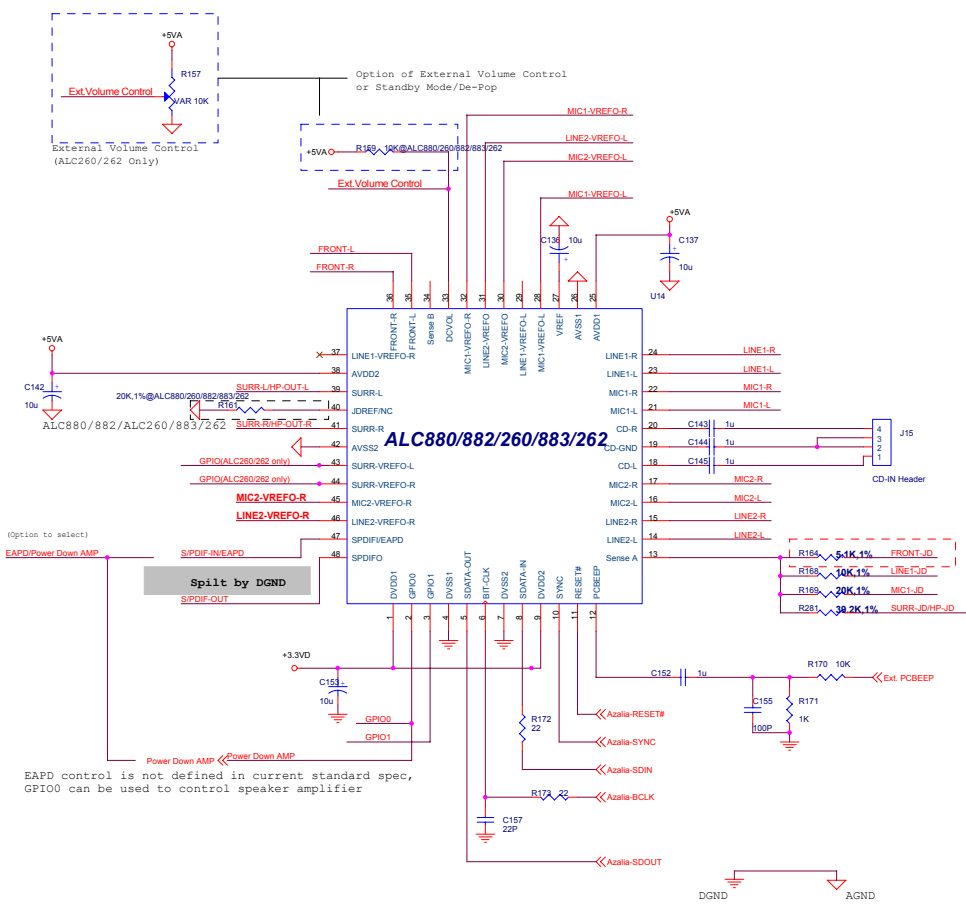
	PORT-A	PORT-B	PORT-C	PORT-D	PORT-E	PORT-F	PORT-G	PORT-H
Function	UAJ	UAJ	UAJ	UAJ	UAJ	UAJ	Vrefout	Vrefout
Location	Front	Rear	Rear	Rear	Front	Front	Rear	Rear

Realtek Semiconductor, Corp.

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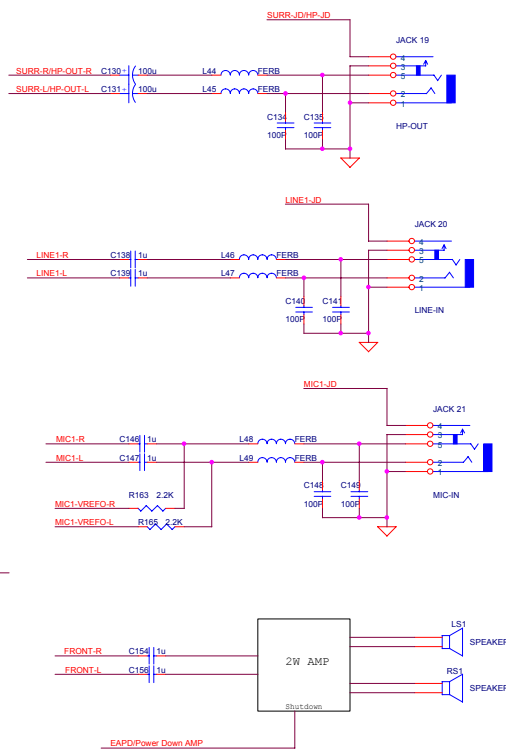
Speaker Configuration





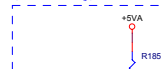
Mobile Configuration:
(3 external jacks, 2 or 4 internal Mic, 1 stereo output to Speaker Amp.)

Pin Assignment	Location	Re-tasking
FRONT (pin-35/36)	Jack 1	AMP output, line input
SURR (pin-39/41)	to 2W AMP	X
CEN/LFE (pin-43/44)	X	SURR-VREF0-L/R (Not used in this case)
SIDESURR (pin-45/46)	X	SIDESURR-L is MIC2-VREF0-R, SIDESURR-R is LINE2-VREF0-R
LINE1 (pin-23/24)	Jack 2	Line input, line output
MIC1 (pin-21/22)	Jack 3	Mic input, line-out
LINE2 (pin-14/15)	Int. MIK1/MIK2	Mic inputs
MIC2 (pin-16/17)	Int. MIK3/MIK4	Mic inputs



For Standby mode-De-pop
(ALC880/882/883/861)
Standby +5V

External Volume Control
(ALC260 Only)



Option of External Volume Control
or Standby Mode/De-Pop

For Standby Mode/de-pop
(ALC880/260/882/883 Only)



Ext Volume Control



Ext Volume Control



Ext Volume Control



Ext Volume Control



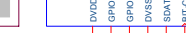
Ext Volume Control



Ext Volume Control



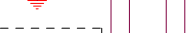
Ext Volume Control



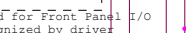
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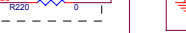
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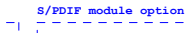
Ext Volume Control



Ext Volume Control



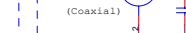
Ext Volume Control



Ext Volume Control



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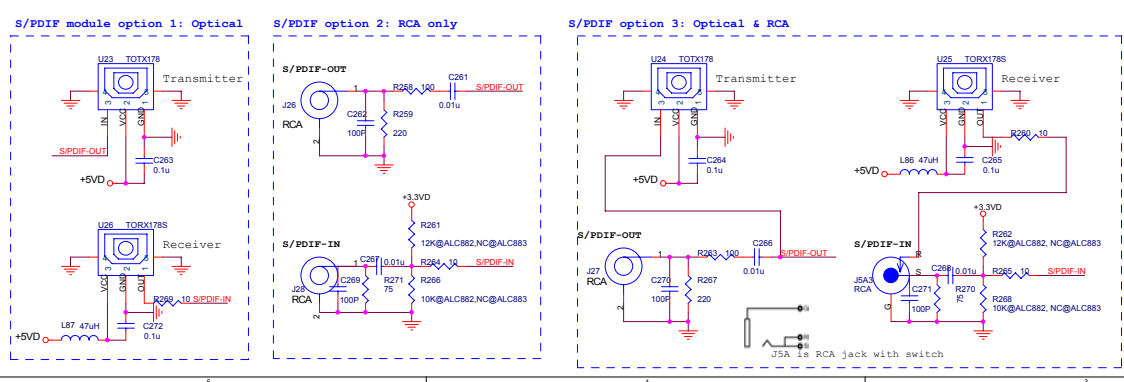
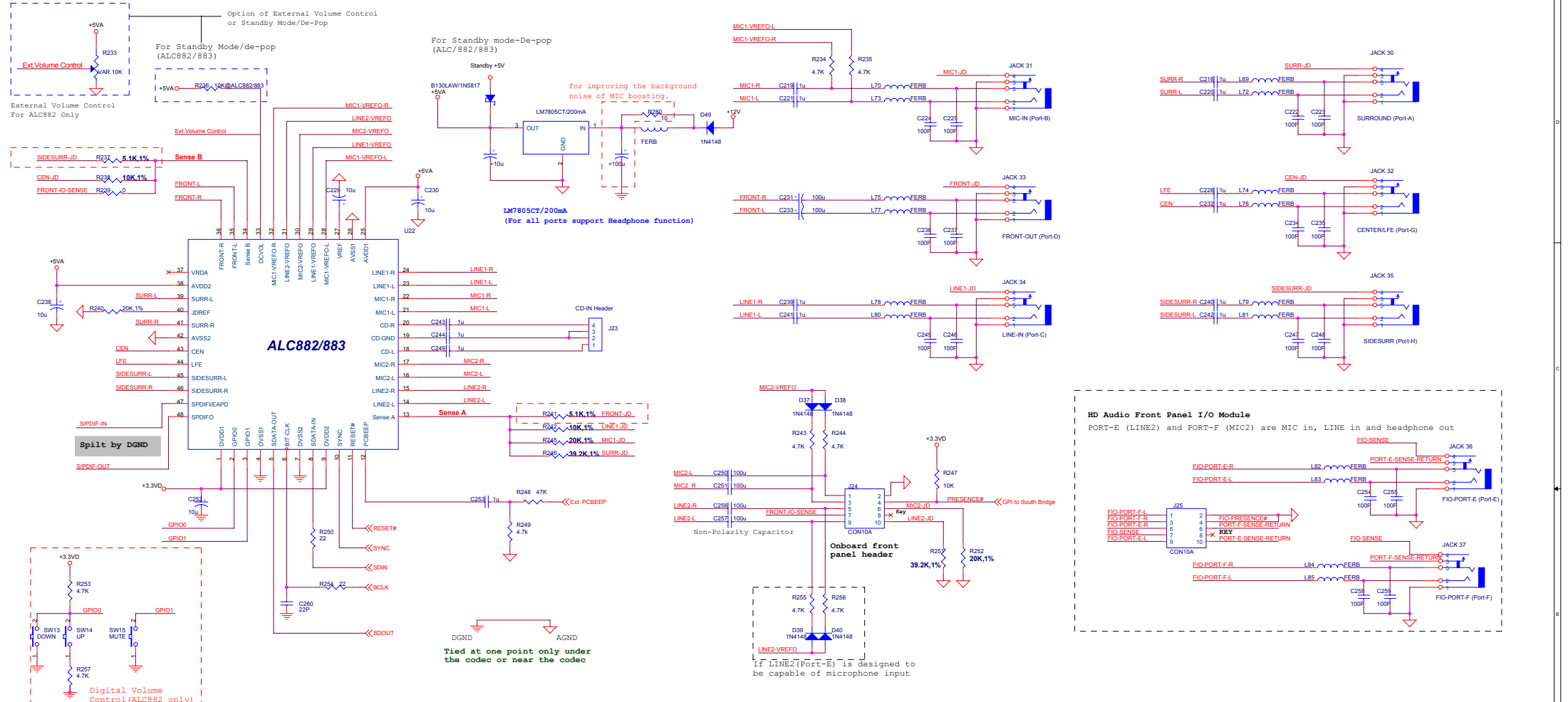
Ext Volume Control



Ext Volume Control



Ext Volume Control



Desktop Configuration for pure ALC882/883: (7.1 Channel Solution)
Rear Panel: 6 jacks have specific functionality
Front Panel: 2 jacks are Universal Audio Jack

Pin Assignment	Location	Function
FRONT (pin-35/36)	Back Panel	Front line out w/ amplifier
SURR (pin-39/41)	Back Panel	Surround line out
CEN/LFE (pin-43/44)	Back Panel	Center/Life line out
SIDESURR (pin-45/46)	Back Panel	Side surround line out
LINE1 (pin-23/24)	Back Panel	Line in / Shared surround out
MIC1 (pin-21/22)	Back Panel	Mic in / Shared Center-Life out
LINE2 (pin-14/15)	Front Panel	Headphone out / line in / mic in
MIC2 (pin-16/17)	Front Panel	Mic in / Headphone out / line in