

Model Name: QXW00  
PCB NO: LS-7905P  
BOM P/N: 435NV731L01

SUB PCB	
Part Number	Description
DM400016B10	PCB OM3 LS-7905P REV1 AUDIO/B

Compal Confidential


Schematic Document

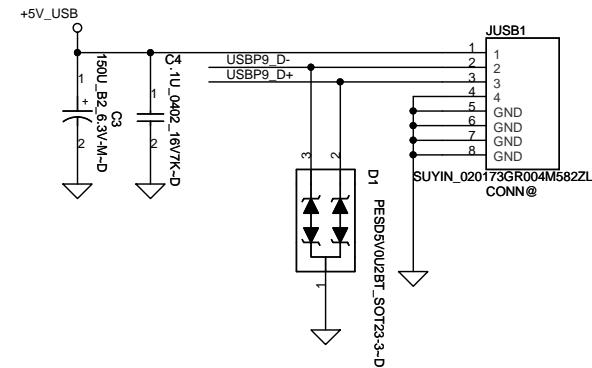
QXW00

2012/02/20    Rev:1.0 (A00)

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Title <b>Compal Electronics, Inc.</b>			
Size <b>SCHEMATIC AUDIO/B S7905</b>			
Date <b>Tuesday, April 03, 2012</b>		Document Number <b>405NV7</b>	Rev <b>B</b>
Sheet <b>1</b>		of <b>3</b>	



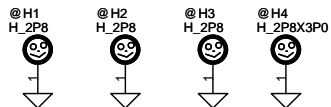
The schematic diagram illustrates the internal circuitry of the SINGA\_2S3J115-000111 module. It features an audio input section with a microphone input (MIC IN) and a stereo input (MIC IN R, MIC IN L). The audio output section includes a stereo output (AUD\_HP\_OUT\_L, AUD\_HP\_OUT\_R) and a stereo output with a low-pass filter (AUD\_HP\_OUT\_LL, AUD\_HP\_OUT\_RL). A non-blocking sense output (AUD\_HP\_NB\_SENSE) is also present. The power section includes a 5V regulator (C9) and two diode bridges (D2, D3). The diagram is watermarked with 'www.aitech1.ru'.

**Component List:**

- ICs:** BLM18BD601SN1D\_0603-D (MIC IN, MIC IN R, MIC IN L), BLM18BD601SN1D\_0603-D (AUD\_HP\_OUT\_L, AUD\_HP\_OUT\_R, AUD\_HP\_OUT\_LL, AUD\_HP\_OUT\_RL), BLM18BD601SN1D\_0603-D (AUD\_HP\_NB\_SENSE).
- Resistors:** 39\_0402 5%-D (R3, R4), 0\_0402 5%-D (R5).
- Capacitors:** 220P\_0402\_50V7K-D (C6), 0.01U\_0402\_16V7K-D (C7, C8), 0.1U\_0603\_50V7K-D (C9).
- Diodes:** PESD5V0U28T\_SOT23-3-D (D2, D3).
- Connectors:** JHP1, CONN@.

**Legend:**

- FD3: CIAL
- FD4: FIDUCIAL



Date: Tuesday, April 03, 2012 Sheet 2 of 3

Item	Page#	Title	Date	Request Owner	Issue Description	Solution Description	Rev.
1	2	AUDIO	2011/09/02	EE	Change R2, R3 from SD00000GI0L to SD028390A8L and de-pop R9 for IDT suggest.		X01
2	2	USB	2011/09/06	EE	De-pop L1, pop R1, R2 for EMI request.		X01
3	2	JAUD1	2011/11/29	EMI	for EMI test failure	change connector plated with tin	X02
4	2	C9	2011/11/29	EMI	ME eliminates contact area of gasket. EMI need to add a 0.1uF capacitor to pass EMI test.	Add C9, 0.1uF.	X02
5	2	U1	2011/11/29	EE	For cost down, change U1 supplier from TI to GMT	U1 change to G547I2P81U.	X02
6	1, 2, 3	Version	2012/03/05	EE	for X-build gerber	Update version to R1.0(A00) for X-build Gerber.	R1.0(A00)

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Sheet 3 of 3