

EVAL-ADMP401Z: Bottom-Ported Analog Output MEMS Microphone Evaluation Board

GENERAL DESCRIPTION

The EVAL-ADMP401Z is a simple evaluation board that allows quick evaluation of the performance of the [ADMP401](#) bottom-ported analog output omnidirectional microphone. The EVAL-ADMP401Z uses a 3.5 mm jack for connection to an amplifier or a sound card input. An interconnect cable is provided with the evaluation board.

A single CR1220 3 V Lithium battery powers the ADMP401Z. The battery is included with the board. Note that the power is always on when the battery is inserted. Disconnect the battery when not using the evaluation board to extend battery life.

EVALUATION BOARD CIRCUIT

The schematic of the EVAL-ADMP401Z is shown in Figure 1. See the ADMP401 data sheet for a complete description and specifications of the microphone. The evaluation board includes a bypass capacitor, C1, a dc-blocking capacitor, C2, a battery holder, BT1, and an output jack, J1.

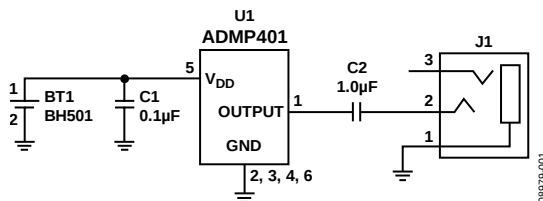


Figure 1. Evaluation Board Schematic

NOTES

**ESD Caution**

ESD (electrostatic discharge) sensitive device. Charged devices and circuit boards can discharge without detection. Although this product features patented or proprietary protection circuitry, damage may occur on devices subjected to high energy ESD. Therefore, proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

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