

EV_INMP401: Bottom Port Analog MEMS Microphone Evaluation Board

GENERAL DESCRIPTION

The EV_INMP401 is a simple evaluation board that allows quick evaluation of the performance of the ADMP401 bottom-ported analog output omnidirectional microphone. The EV_INMP401 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 INMP401. 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 EV_INMP401 is shown in Figure 1. See the INMP401 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.

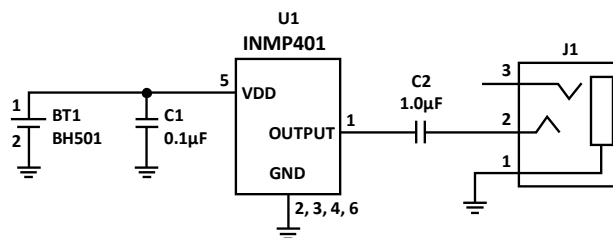


Figure 1. Evaluation Board Schematic

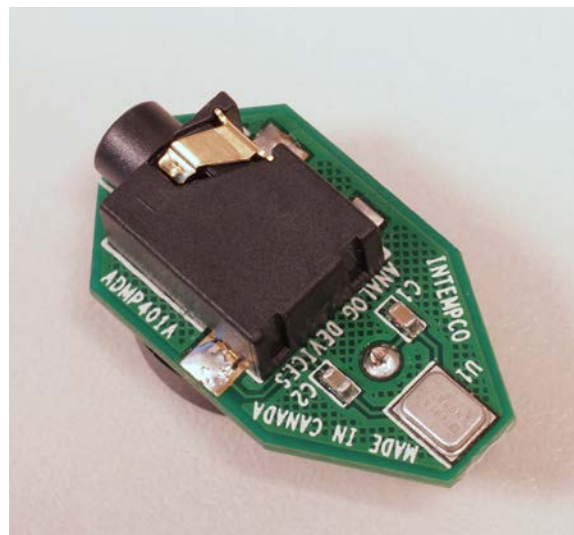


Figure 2. Evaluation Board Photo

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