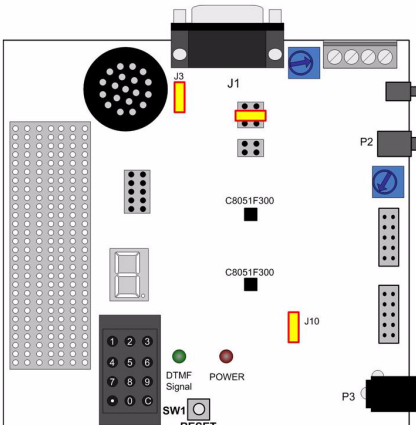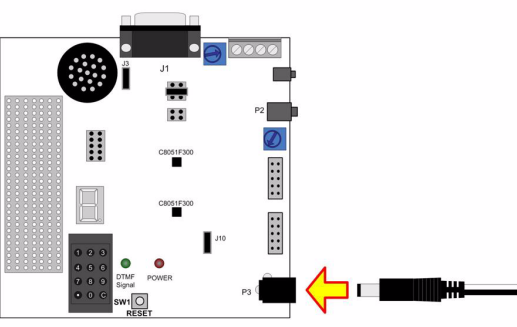# DTMF REFERENCE DESIGN QUICK-START GUIDE

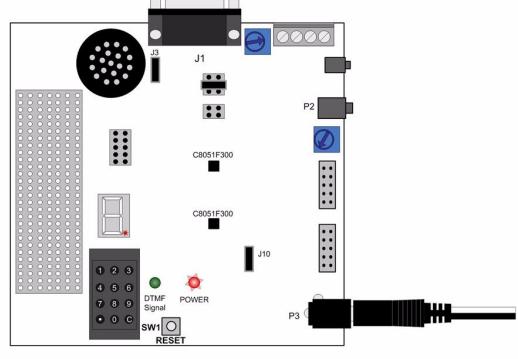**1** Verify the following headers are placed properly on the board:
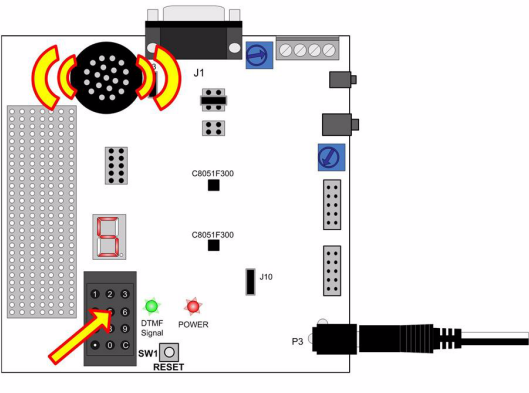- J3
- J4: pin3–pin4
- J10

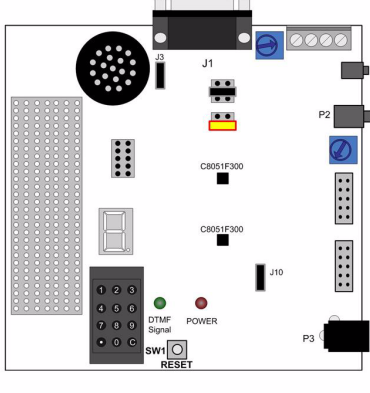**2** Connect the Universal Power Supply to the P3 connector.

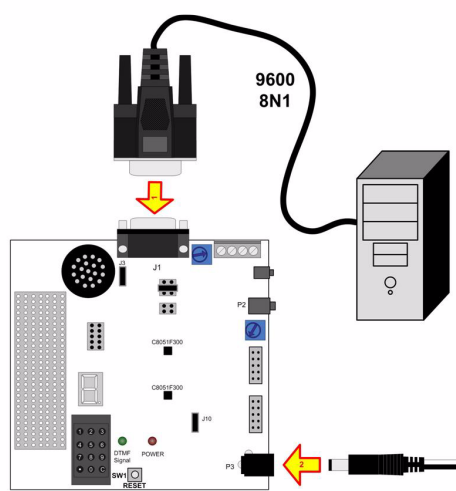**3** The red power LED (labeled "POWER") and 7-segment display decimal point LED will turn on.

4 Press a number on the pad. The 7-segment display will display the number and the associated DTMF tone will be played by the speaker. The green DTMF Signal LED will turn on while the button is pressed.
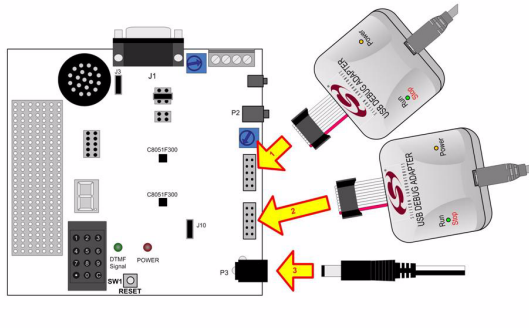
5 To view the decoded numbers using a UART terminal, connect pins 1 and 2 on J6.

6 Connect the board to a PC using an RS-232 cable and power the board. The terminal on the PC should be configured to use 9600 baud with 8N1.

7 To debug with the board, connect Silicon Labs Debug Adapters (not included with the kit) to the debugging headers and then connect the power supply to the board. Refer to the supporting documents for more information.

Refer to the following documents included on the DTMF Decoder Reference Design Kit CD for more information:

- DTMF Decoder Reference Design Kit User's Guide
- AN218: "DTMF Decoder Reference Design"

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