AN-1738 551013276 and 551013277 Evaluation Boards for Dual Decompensated Operational Amplifiers (MSOP-8 and SOIC-8)

1 General Description

The 551013276 and 551013277 evaluation boards are designed to aid in the characterization of Texas Instrument's decompensated operational amplifiers.

- 551013276 – MSOP-8 package, for the LMV794MM, LMP7718MM, and LMP7708MM
- 551013277 – SOIC-8 package, for the LMV794MA and LMP7718MA

Although specifically designed for decompensated op amps, these evaluation boards can be used for any op amp in these packages with the same pinout.

These evaluation boards can be used to set the op amps in non-inverting and inverting configurations. Compensation can be added to make the circuit stable. Please refer to the LMP7708, LMP7718, and LMV794 datasheets and application note *AN-1604 Decompensated Operational Amplifiers* (SNOA486) for more information on selecting component values. The schematics and board layouts are shown below.

2 Board Layouts

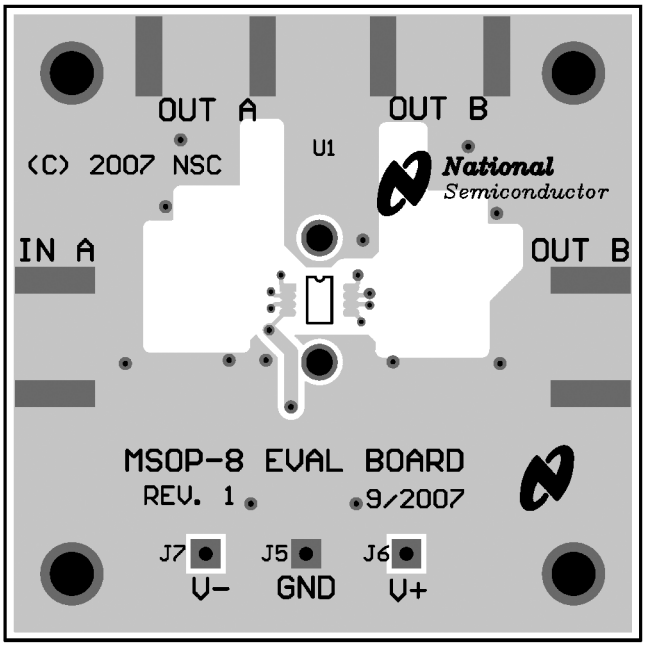


Figure 1. MSOP - Top Layer

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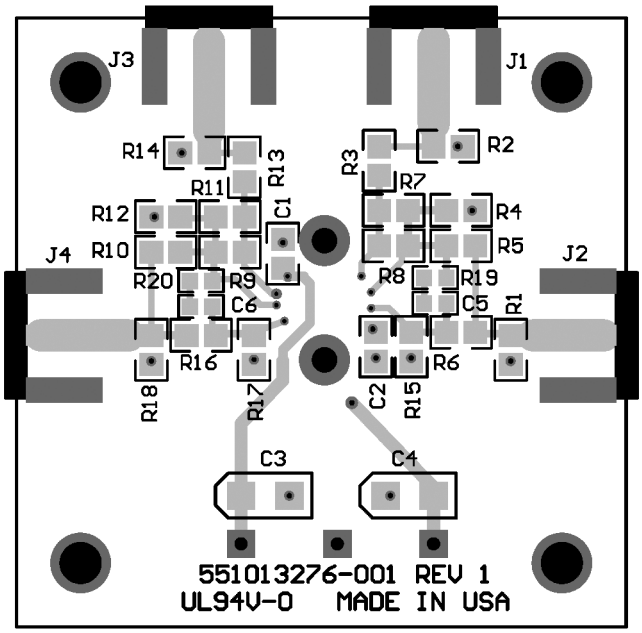


Figure 2. Bottom Layer

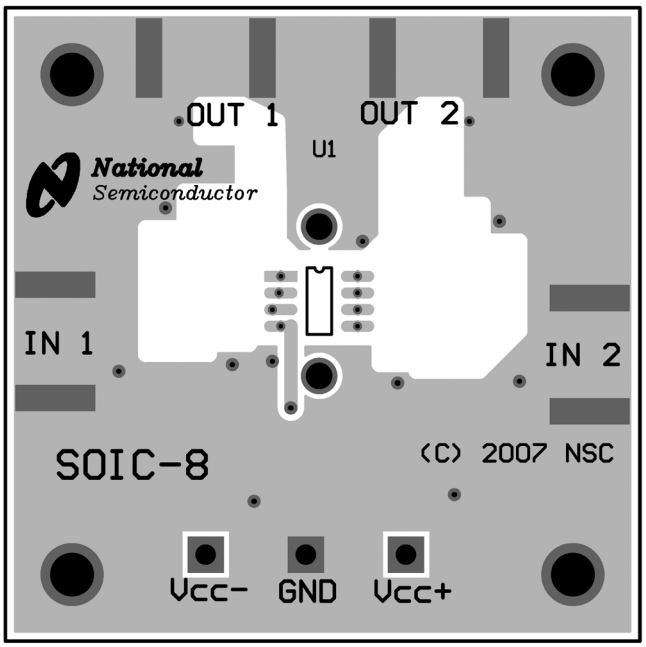


Figure 3. SOIC - Top Layer

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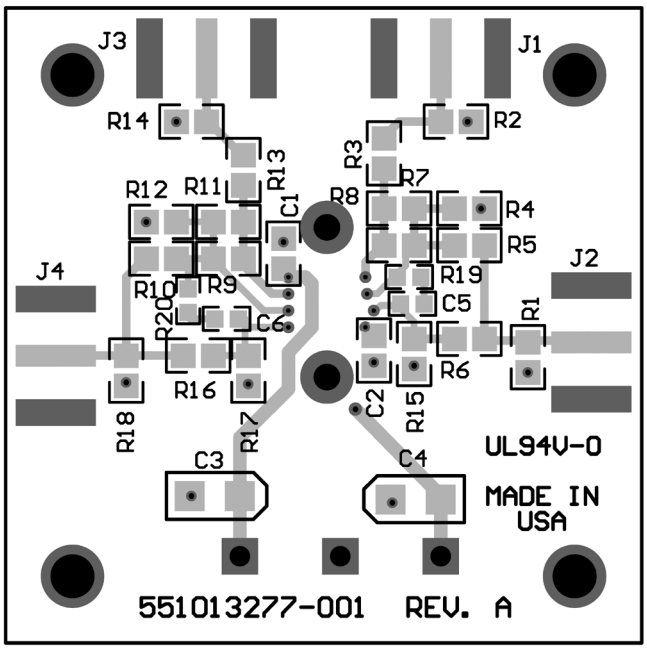
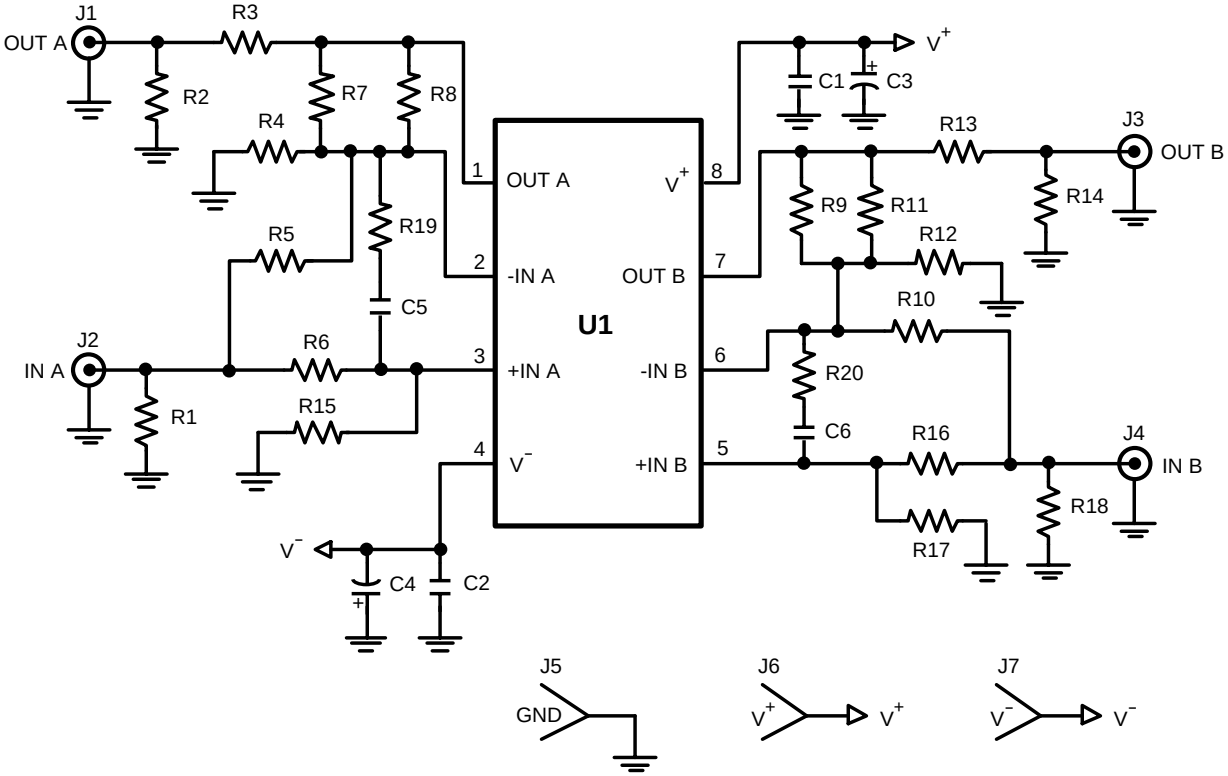


Figure 4. Bottom Layer

3 Schematic



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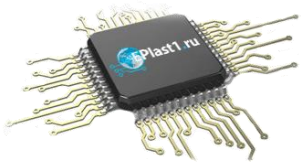
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