

**Active Filter Evaluation Board for Analog Devices, Inc.,  
Low Distortion Pinout Op Amps**  
by John Ardizzoni

The EVAL-FLTR-LD-1RZ active filter evaluation board is designed to work with the Analog Devices, Inc., low distortion SOIC pinout op amps, which include the following high performance devices: AD8000, AD8099, AD8045, ADA4899, and ADA4857. The active filter board enables quick prototyping of two-, four-, or six-pole Sallen-Key active filters. The board schematic shown in Figure 1 is for a low-pass filter. Converting the board from a low-pass filter to a high-pass filter is accom-

plished by swapping the location of the filters resistors and capacitors. The boards also have provisions for edge-mounted SMA connectors, which simplify testing and integration.

The active filter evaluation boards are bare, which enables users to customize the filter design. The filter board assembly drawing is shown in Figure 2. All components are 0603 case sizes with the exception of the large bypass capacitors, which are 3216 case sizes.

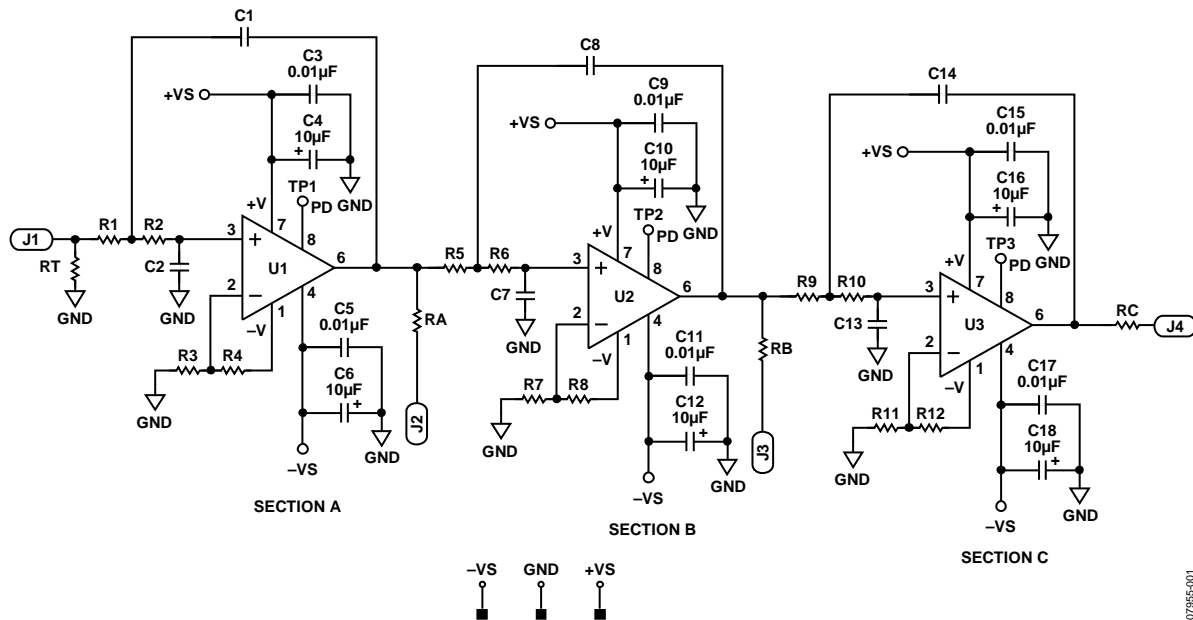


Figure 1. Active Filter Evaluation Board Schematic

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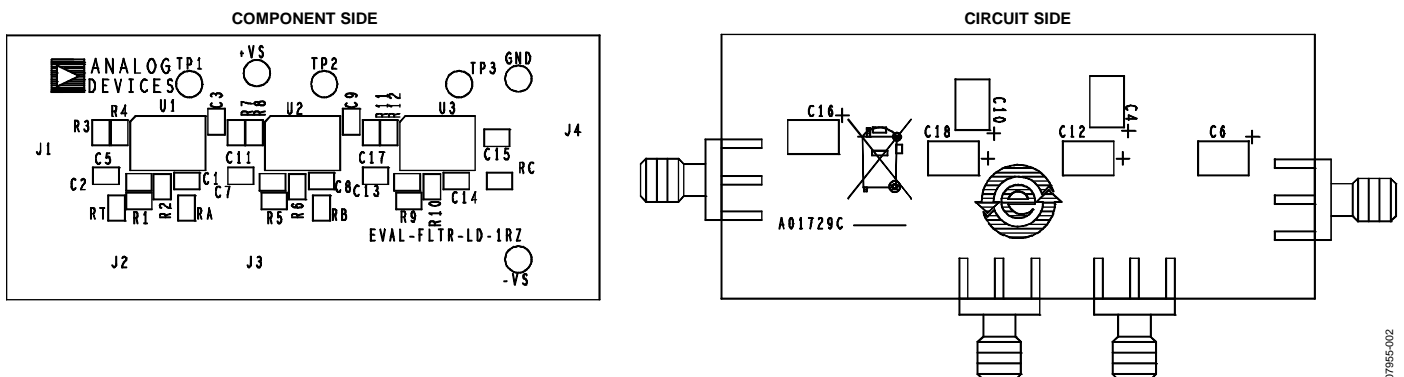


Figure 2. Active Filter Evaluation Board Assembly Drawing

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**NOTES**