Universal Evaluation Board for Quad High Speed Op Amps
Offered in 14-Lead TSSOP Packages

FEATURES
- Enables quick breadboarding/prototyping
- User-defined circuit configuration
- Edge-mounted SMA connector provisions
- Easy connection to test equipment and other circuits

GENERAL DESCRIPTION
The Analog Devices, Inc., EB-O14RU-4Z universal evaluation board is designed to help users evaluate quad high speed op amps offered in 14-lead TSSOP packages. The EB-O14RU-4Z is a bare board (that is, there are no components soldered to the board) that enables users to quickly prototype a variety of quad op amp circuits, which minimizes risk and reduces time to market. Figure 1 shows the circuit side and the component side of the evaluation board.

The evaluation board is a 2-layer PCB that accepts SMA edge-mounted connectors on the inputs and outputs for efficient connection to test equipment or other circuitry. The ground plane, component placement, and supply bypassing are designed to minimize parasitic inductances and capacitances. The evaluation board components are primarily SMT 0805 case size, with the exception of the electrolytic bypass capacitors (C1 and C2), which are 3528 case size.

Figure 2 shows the evaluation board schematic. The PCB layout pattern for the PCB is shown in Figure 4 and Figure 6.

Figure 1. EB-O14RU-4Z Component Side and Circuit Side of the PCB
Figure 2. Universal Evaluation Board
Figure 3. Board Assembly Drawing, Circuit Side

Figure 4. Board Layout Pattern, Circuit Side

Figure 5. Board Assembly Drawing, Component Side

Figure 6. Board Layout Pattern, Component Side
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.

Legal Terms and Conditions
By using the evaluation board discussed herein (together with any tools, components documentation or support materials, the “Evaluation Board”), you are agreeing to be bound by the terms and conditions set forth below (“Agreement”) unless you have purchased the Evaluation Board, in which case the Analog Devices Standard Terms and Conditions of Sale shall govern. Do not use the Evaluation Board until you have read and agreed to the Agreement. Your use of the Evaluation Board shall signify your acceptance of the Agreement. Do not use the Evaluation Board unless you have purchased it, in which case the Analog Devices Standard Terms and Conditions of Sale shall govern.

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