



Data Conversion

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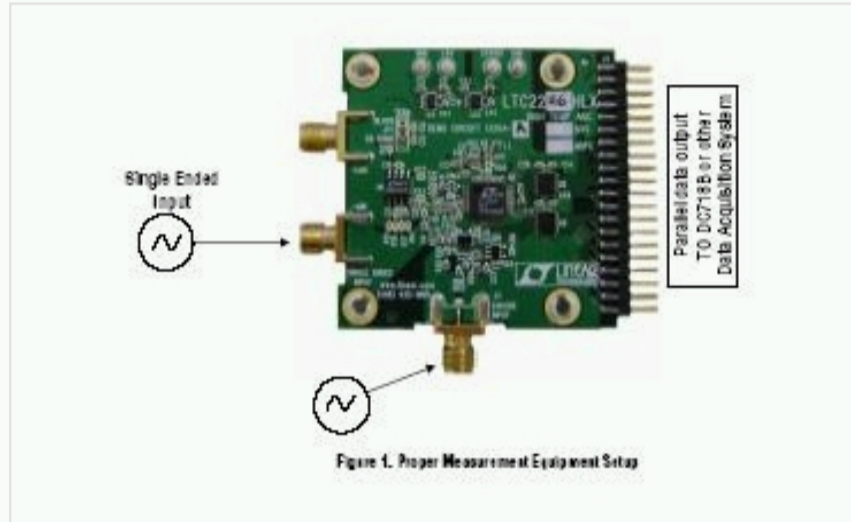
DC1350A-A - LTC2246HLX - Evaluation Kit

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FEATURES

- [To be used in conjunction with the DC718B- QuickDAACS USB Controller for QuickEvalII Evaluation Kits](#)
- **Disclaimer:** Linear Technology cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a Linear Technology product. No circuit patent licenses are implied. Linear Technology reserves the right to change the circuitry and specifications without notice at any time.

TYPICAL APPLICATION



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DESCRIPTION

Demonstration circuit 1350 supports a family of 12 and 14-Bit 25Msps ADC. This assembly features one of the following devices: LTC2226H or LTC2246H high speed, high dynamic range industrialgrade ADCs. The versions of the 1350 demo board that support the LTC2246H family of 10 and 12Bit ADCs are listed on Table 1. Depending on the required resolution, sample rate and input frequency, the DC1350 is supplied with the appropriate A/D. The circuitry on the analog inputs is optimized for analog input frequencies below 70 MHz. For higher operating frequencies, refer to the datasheet.

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PACKAGING

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ORDER INFO

- Part numbers ending in PBF are [lead free](#). Please contact LTC marketing for information on lead based finish parts.
- Part numbers containing TR or TRM are shipped [in tape and reel or 500 unit mini tape and reel](#) respectively
- Please refer to our [general ordering information](#) or the product datasheet for more details

Evaluation Kits

Part Number	Description	Price
DC1350A-A	LTC2246H: 14bit 25Msps H-grade ADC in 7x7 LQFP48 (req DC718)	\$200.00
DC1350A-B	LTC2226H: 12bit 25Msps H-grade ADC in 7x7 LQFP48 (req DC718)	\$200.00
DC718B	none USB Data Acquisition Controller for Controlling QuickEval Boards	\$300.00

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APPLICATIONS

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SIMULATE

The QuickEvalII System is a USB based product demonstration and data acquisition system for use with Linear Technology's high performance ADC's. The system consists of a USB Data Acquisition Controller board that connects to individual daughter cards for specific Linear Technology ADCs. The software collects and analyzes data from the ADC in both the time and frequency domains and displays relevant parameters for the device being evaluated. The software also provides an automatic update feature to keep the software current with the latest set of device drivers.

- [Click Here to Download Software for the QuickEval II System](#)

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Documentation

Reference Design
[DC1350A- LTC2246HLX / LTC2226HLX Evaluation Kit Quick Start Guide](#)