

Data Conversion

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DC1281A-A - LTC2209 Evaluation Kit (Fin= 1-80MHz) LVDS Outputs

FEATURES DESCRIPTION PACKAGING ORDER INFO SIMULATE 

FEATURES

- [To be used in conjunction with the DC890B- FastDAACS USB Controller for QuickEva-II Evaluation Kits](#)
- LTC2209 Evaluation Kit (Fin= 1-80MHz) LVDS Outputs
- **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.

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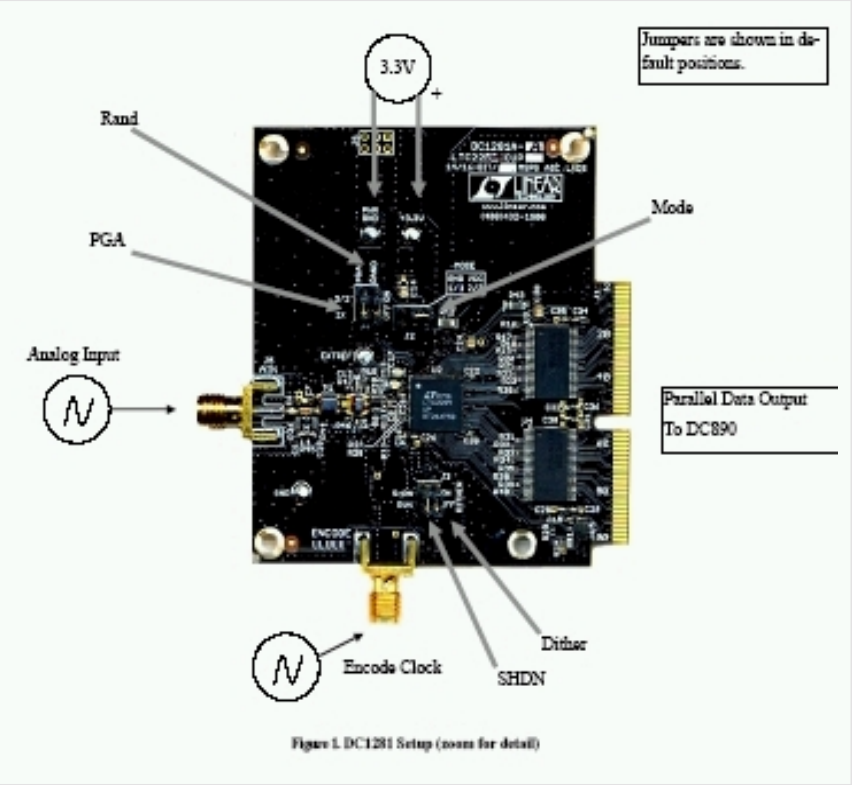
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Documentation

Reference Design
[DC1281A- LTC2209 Evaluation Kits Quick Start Guide](#)
[DC890B- FastDAACS USB Controller for QuickEva-II Evaluation Kits](#)

TYPICAL APPLICATION



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DESCRIPTION

Demonstration circuit 1281 supports a family of 16 BIT 160 MSPS ADCs. Each assembly features one of the following devices: LTC2209, LTC2209#3BC high speed, high dynamic range ADCs. Other members of this family include the LTC2208 which is a 130 MSPS 16BIT version of this device. The 2208 is supported on the DC854 (CMOS) and the DC996 (LVDS). Lower speed, single-ended clock versions are also supported on the DC918 and DC919. Several versions of the 1281A demo board supporting the LTC2209 16-BIT series of A/D converters are listed in Table 1. Depending on the required resolution, sample rate and input frequency, the DC1281 is supplied with the appropriate ADC and with an optimized input circuit. The circuitry on the analog inputs is optimized for analog input frequencies below 80 MHz or from 80 MHz to 160MHz. For higher input frequencies, contact the factory for support.

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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
DC1281A-A	LTC2209IUP HIGH IF, LVDS OUT, 160Msps, 16-Bit ADC, 1MHz < Ain<80MHz, DC890	\$200.00
DC890B	High Speed USB Data Collection Board	\$300.00
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APPLICATIONS

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SIMULATE

To simulate selected Linear Technology products, please download [LTSpice / SwitcherCAD III](#) This powerful schematic capture and simulation tool includes macro models for 80% of Linear Technology's switching regulators, over 200 op amp models, as well as resistors, transistors and MOSFET models.

For other simulation tools, visit our [Design Simulation and Device Models](#) page.

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