



News Release | www.linear.com

4mm x 4mm Dual Full-Bridge Piezo Driver Generates Its Own High Voltage

MILPITAS, CA – February 20, 2008 – Linear Technology Corporation announces the LT3572, a highly integrated dual full-bridge Piezo driver, capable of driving two Piezo motors at up to 40V. Each Piezo driver and the boost converter can be independently turned on or off. This design topology makes the LT3572 ideal for dual axis image stabilization as well as auto focus and zoom motor control for digital still and video cameras. Its 2.7V to 10V input voltage accommodates both single-cell and dual-cell Li-Ion powered digital cameras.

The LT3572's integrated 900mA boost converter can deliver up to 50mA of output current at 30V from a Li-Ion input. Its switching frequency can be programmed between 500kHz and 2.25MHz, keeping externals very small. Offered in a 4mm x 4mm QFN package, it provides a very compact solution footprint. A PGOOD pin indicates when the output of the boost converter is in regulation, allowing the Piezo drivers to start switching. Other features include soft-start and external synchronization.

The LT3572EUF is available from stock in a 20-lead QFN package. 1,000-piece pricing starts at \$2.75 each.


Photo Caption: 2.7 to 10V Input Voltage Range 900mA Boost Converter

Summary of Features: LT3572

- 2.7V to 10V Input Voltage Range
- 900mA Boost Converter
- Dual Full-Bridge Piezo Drivers
- Programmable Switching Frequency from 500kHz to 2.25MHz
- Synchronizable Up to 2.5MHz
- Soft-Start
- Separate Enable for Each Piezo Driver and Boost Converter
- Available in a 4mm x 4mm 20-Pin QFN Package

About Linear Technology

Linear Technology Corporation, a manufacturer of high performance linear integrated circuits, was founded in 1981, became a public company in 1986 and joined the S&P 500 index of major public companies in 2000. Linear Technology products include high performance amplifiers, comparators, voltage references, monolithic filters, linear regulators, DC-DC converters, battery chargers, data converters, communications interface circuits, RF signal conditioning circuits, uModule™ products, and many other analog functions. Applications for Linear Technology's high performance circuits include telecommunications, cellular telephones, networking products such as optical switches, notebook and desktop computers, computer peripherals, video/multimedia, industrial instrumentation, security monitoring devices, high-end consumer products such as digital cameras and MP3 players, complex medical devices, automotive electronics, factory automation, process control, and military and space systems. For more information, visit www.linear.com.

LT, LTC, LTM and  are registered trademarks and uModule is a trademark of Linear Technology Corp.

Press Contacts:

John Hamburger, Director Marketing Communications
jhamburger@linear.com
Tel: 408-432-1900 ext 2419

Doug Dickinson, Media Relations Manager
ddickinson@linear.com
Tel: 408-432-1900 ext 2233