

LTC News for Immediate Release

For more information, tel. 408-432-1900
Doug Dickinson, Media Relations Mgr., ext. 2233
www.linear.com

**1A, 1.2MHz Micropower Boost Converter with
Integrated Schottky Diode and Output Disconnect**

MILPITAS, CA – April 11, 2005 – Linear Technology Corporation announces the LT3473, a 1A, 1.2MHz step-up micropower DC/DC converter with an integrated Schottky diode and output disconnect circuitry in a low profile DFN package. The small package size, high level of integration and the use of tiny SMT components yield a solution size of less than 50mm².

The LT3473's 2.2V to 16V input voltage range enables it to operate from single cell Li-Ion batteries up to fixed 15V input rails, delivering outputs up to 34V. Its constant 1.2MHz switching frequency allows designers to keep switching noise out of noise-sensitive circuitry and enables the use of tiny capacitors and inductors. The internal 1A switch allows the device to deliver up to 80mA at 25V from a Li-Ion cell, making it ideal for OLED and TFT display applications. Automatic Burst Mode[®] operation reduces quiescent current to 150uA at no load, maximizing battery run-time. An auxiliary reference input (CTRL) allows the user to override the internal 1.25V feedback reference with any lower value, ensuring full control of the output voltage during operation. Additional features include: a power good flag and thermal shutdown.

The LT3473A includes two additional NPN transistors for generating intermediate bias voltages from the output and is offered in a 4mm x 3mm DFN-12 package. The LT3473 does not include these NPNs and is offered in a 3mm x 3mm DFN-8 package.

The LT3473 and LT3473A are both available from stock in a 3mm x 3mm DFN and 3mm x 4mm DFN package respectively. Pricing starts at \$1.95 each for the LT3473 and \$2.05 each for the LT3473A, both in 1,000 piece quantities.

(more...)

Summary of Features: LT3473/A

- Tiny Solution Size
- Low Quiescent Current: 150uA, <1uA in Shutdown Mode
- Internal 1A, 36V Switch
- Integrated Schottky Diode and PNP Output Disconnect
- Internal Reference Override Pin
- 25V at 80mA from 3.6V Input
- Auxiliary NPNs for Intermediate Bias Voltages (LT3473A)
- Automatic Burst Mode Operation at Light Load
- Constant Switching Frequency: 1.2MHz
- Thermal Shutdown
- Low Profile (3mm x 3mm) DFN Package (LT3473)
- Low Profile (4mm x 3mm) DFN Package (LT3473A)

COMPANY BACKGROUND: Linear Technology Corporation was founded in 1981 as a manufacturer of high performance linear integrated circuits. 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, 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, contact:

Doug Dickinson, Media Relations Manager

Linear Technology Corporation

1630 McCarthy Boulevard

Milpitas, CA 95035-7417

ddickinson@linear.com

408-432-1900

READER SERVICE: Call toll-free 1-800-4-LINEAR (for literature only), or go to the company's web site: **<http://www.linear.com>**

Note: LT, LTC, Burst Mode and  are registered trademarks of Linear Technology Corp.