

LTC News for Immediate Release

For more information, tel. 408-432-1900
John Hamburger, Dir., Mktg Communications, ext. 2419
Doug Dickinson, Media Relations Mgr., ext. 2233
www.linear.com

**Simple Power Supply Tracking for
Distributed Point of Load Applications**

MILPITAS, CA – August 22, 2005 – Linear Technology Corporation introduces the LTC2927, a single power supply tracking controller that simplifies the tracking and sequencing requirements of complex distributed power architectures. Housed in an 8-lead SOT-23 or 3mm x 2mm DFN package, the compact device can be conveniently placed at the point of load. By minimizing the trace length to the sensitive feedback node of a DC/DC converter, the LTC2927 effectively reduces losses caused by voltage drops and overcomes noise sensitivity and EMI issues.

The LTC2927 introduces current into the feedback node of an independent supply and causes its output to track another supply or master signal. A simple resistor configuration yields a ramp-up and ramp-down with differing ramp rates, voltage offsets or time delays relative to the master signal. This enables a variety of power (supply) profiles for digital logic circuits during power up as well as power down. Thus, the LTC2927 is ideally suited for systems utilizing FPGAs, CPLDs or DSPs.

Specified over the commercial and industrial temperature grades and available from stock, pricing for the LTC2927 begins at \$1.55 each for 1,000-piece quantities.

Summary of Features: LTC2927

- Flexible Power Supply Tracking
- Tracks both Up & Down
- Power Supply Sequencing
- Supply Stability is Not Affected
- Low Pin Count
- Controls Single Supply without Series FETs
- Adjustable Ramp Rate
- Supply Shutdown Output
- Available in 8-Lead ThinSOT™ and 3mm x 2mm DFN Packages

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>**

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