

LTC News for Immediate Release

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**Push Button On/Off Controller Integrates Debounce,
Power Supply Enable and Processor Interface**

MILPITAS, CA – April 21, 2005– Linear Technology Corporation introduces the LTC2950, a push button controller that provides enable control for DC/DC converters, processor interrupt logic and adjustable on/off timers. The part easily solves the inherent bounce problem associated with all mechanical contacts, while also enabling power supply converters and releasing a processor once the supply is fully powered up. When powering off, the LTC2950 interrupts the system processor to alert it to perform the necessary power down and housekeeping tasks. Once the system completes the turn off operations, it can command the LTC2950 to immediately disable power. Offered in a tiny 8-pin 2mm x 3mm DFN package, the LTC2950 saves design time, as well as precious board space for portable instruments and handheld products.

The LTC2950 operates over a wide 2.7V to 26V input voltage range to accommodate a wide variety of input power supplies. The very low 6uA supply current makes the IC ideal for battery powered applications. Two versions of the LTC2950 are available to accommodate either positive or negative enable polarities. The rugged push button input pin is designed to operate in noisy environments and it can withstand ESD strikes of up to $\pm 10\text{kV}$.

Specified over the commercial and industrial temperature range and available from stock, pricing begins at \$1.75 each for 1,000 piece quantities.

(more...)

Summary of Features: LTC2950

- Adjustable Push Button On/Off Timers
- Wide Operating Voltage Range
- Low Supply Current: 6uA
- EN Output (LTC2950-1) Allows DC/DC Converter Control
- $\overline{\text{EN}}$ Output (LTC2950-2) Allows Circuit Breaker Control
- Simple Interface Allows Graceful μP Shutdown
- $\pm 10\text{kV}$ ESD on Push Button input
- 8-pin 2mm x 3mm DFN and ThinSOT™

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.


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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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