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Octal Supply Supervisor Monitors Positive & Negative Voltages

MILPITAS, CA – September 6, 2006 – Linear Technology Corporation introduces the LTC2910, a low power voltage monitoring circuit with eight individual undervoltage monitoring inputs. Featuring adjustable inputs with a 0.5V threshold and a tight 1.5% threshold accuracy over the entire temperature range, the LTC2910 greatly simplifies voltage monitoring in the latest generation of multisupply systems. Two external resistors per input determine the desired trip point for the undervoltage monitor, while a three-state select pin programs the polarity combinations for the input thresholds, allowing negative supplies to be monitored. Two complimentary reset outputs signal when any of the supplies are below operating range, while the input glitch filter ensures that there will not be false or noisy triggering.


Supervising a wide variety of voltages with great precision, the LTC2910 is ideal for a broad spectrum of multivoltage, high-density systems such as desktop and notebook computers, networking systems and wireless basestations. The IC is offered in small 16-pin 5mm x 3mm DFN and 16-pin SSOP packages. Specified over the commercial and industrial temperature ranges and available from stock, the LTC2910 is priced at \$3.20 each in 1,000-piece quantities.

Photo Caption: Eight Supply Monitor**Summary of Features: LTC2910**

- 8 Low Voltage Adjustable Inputs (0.5V)
- Guaranteed Threshold Accuracy: $\pm 1.5\%$
- Input Glitch Rejection
- Pin Selectable Input Polarity Allows Negative & OV Monitoring
- Buffered 1V Reference Output
- Adjustable Time Delay with Delay Disable
- 70 μ A Quiescent Current
- Open Drain RST and RST# Outputs
- Available in 16-lead SSOP & 16-lead 5mm x 3mm DFN Packages

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, 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

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