Microprocessor Supervisory Circuits Ideal for Portable Equipment

Maxim Integrated Products introduces the MAX16072-MAX16074 microprocessor supervisory circuits in a 1mm x 1mm chip-scale package. These low-power devices provide excellent circuit reliability and low cost by eliminating the need for multiple external resistors and adjustments normally required when monitoring nominal system voltages from 1.8V to 3.6V. Their compact footprint and ultra-low supply current (0.7microamps) make them ideal for space-constrained portable applications such as cellular phones, MP3 players, and GPS equipment.

The MAX16072-MAX16074 offer multiple factory-fixed reset thresholds and timeout options, and are designed to ignore fast transients on Vcc. They include an active-low manual-reset input, precision band-gap reference, comparator, and internally trimmed resistors. The MAX16072 is available with a push-pull, active-low reset output; the MAX16073 with a push-pull, active-high reset output; and the MAX16074 with an open-drain, active-low reset output.

The MAX16072-MAX16074 are available in a space-saving (1mm x 1mm) 4-bump UCSP(TM) package. These devices are fully specified and guaranteed over the -40 degrees Celsius to +85 degrees Celsius extended industrial temperature range. Prices start at $0.90. (1000-up, FOB USA). Samples are now available.

Maxim Integrated Products is a publicly traded company that designs, manufactures, and sells high-performance semiconductor products. The Company was founded over 25 years ago with the mission to deliver innovative analog and mixed-signal engineering solutions that add value to its customers' products. To date, it has developed over 6300 products serving the industrial, communications,

consumer, and computing markets.

DATA SHEET: A Data Sheet for these products is available on the web.
http://www.maxim-ic.com/MAX16072 [1]

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