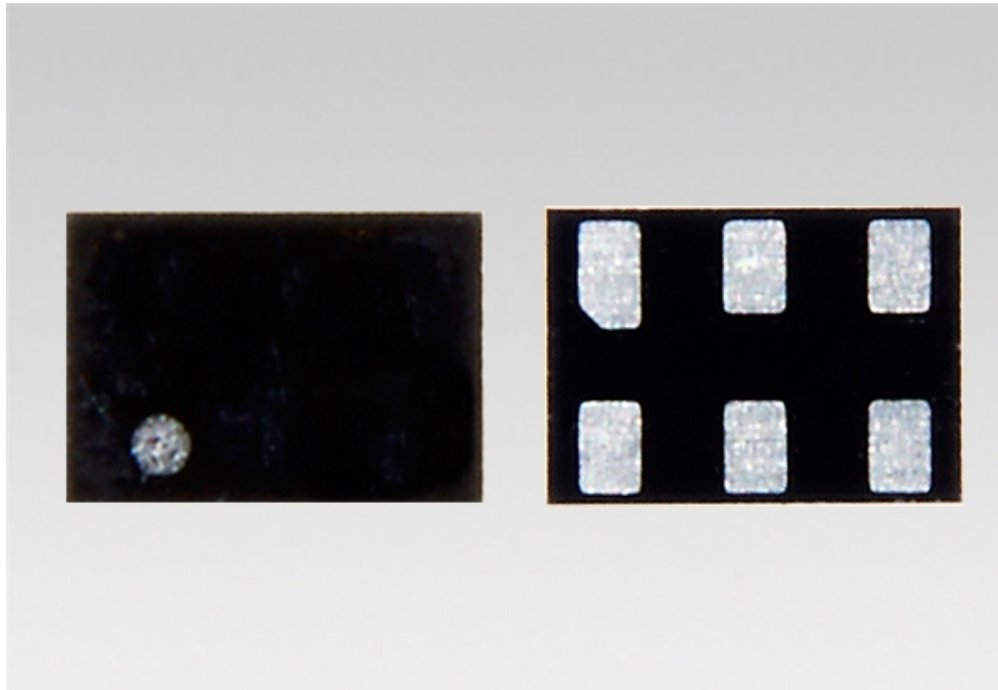


Toshiba launches new CMOS multi-function gate logic ICs

The Associated Press



TOKYO--(BUSINESS WIRE)--Dec 10, 2012--Toshiba Corporation (TOKYO:6502) has launched a new series of CMOS multi-function gate logic devices that support 5V systems and that are housed in small packages suitable for mobile devices such as mobile phones, smartphones, tablet PCs, digital cameras and digital video cameras.

Multifunction gate logic ICs allows users to select one from multiple gate functions, depending on the processing status of input signals. The new SZ series, based on Toshiba's existing low voltage drive multi-function gate logic SP series, extends support to 5V systems. Also added to the line-up is the SZT Series, a TTL-input-type device that secures level translation from low-voltage systems. A Schmitt trigger circuit is used for all input. The new products are in small MP6 packages (1.0mm x 1.45mm x 0.55mm) that support the requirements of small mobile devices.

Samples will be available in January with mass production scheduled to start in March.

Applications

General-purpose products for a variety of applications, but particularly suited to small mobile devices, such as mobile phones, smartphones, tablet PCs, digital cameras and digital video cameras.

Key Features

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1. Multiple basic gate functions are selectable with one product.
2. Small MP6 package (1.0mm x 1.45mm x 0.55mm) achieves a smaller mounting area.
3. Operating power-supply voltage: $V_{CC} = 1.65$ to 5.5V
4. 5.5V input tolerant function
5. Power down protection function (for all input pins)

About Toshiba

Toshiba is a world-leading diversified manufacturer, solutions provider and marketer of advanced electronic and electrical products and systems. Toshiba Group brings innovation and imagination to a wide range of businesses: digital products, including LCD TVs, notebook PCs, retail solutions and MFPs; electronic devices, including semiconductors, storage products and materials; industrial and social infrastructure systems, including power generation systems, smart community solutions, medical systems and escalators & elevators; and home appliances.

Toshiba was founded in 1875, and today operates a global network of more than 550 consolidated companies, with 202,000 employees worldwide and annual sales surpassing 6.1 trillion yen (US\$74 billion). Visit Toshiba's web site at

www.toshiba.co.jp/index.htm [1]

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[1] <http://www.toshiba.co.jp/index.htm>