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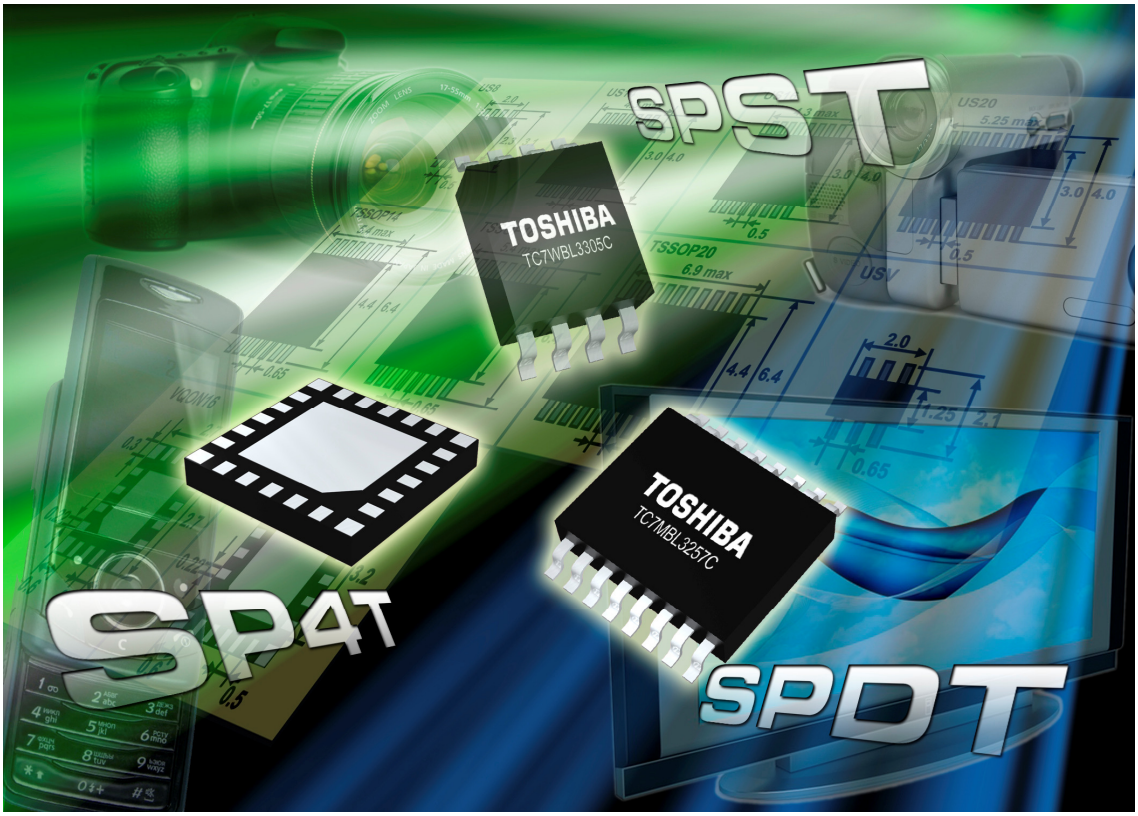
Press Release



Low-voltage, low-capacitance switches deliver high-speed bidirectional bus switching

Latest bus switch series has 75% less ON-capacitance than previous version, resulting in faster transition times

Düsseldorf, Germany, 3rd November, 2009 –Toshiba Electronics Europe (TEE) has launched a family of low-voltage, low-capacitance switches that provide bus switching for applications requiring high-speed bidirectional data transfer. Devices in the new TC7MBL/WBL/SBLxxxxC family will suit a variety of designs requiring high-speed bus switching and isolation including mobile phones, digital cameras, consumer electronics equipment and flat panel displays.

Following the demand to lower capacitive and resistive circuit components to support increased signal speeds the TC7MBL/WBL/SBLxxxxC series has been fabricated using a proprietary process that ensures a reduced I/O terminal capacitance ($C_{I/O}$) when compared to previous bus switches. The reduced capacitance results in short transition times. For the TC7MBL3245C, for example, a typical capacitance as low as 5pF, is 75% lower than the typical $C_{I/O}$ ON-capacitance of previous switches. Typical ON resistance with a 3V input voltage is just 6.5Ω. In addition to the maximum quiescent supply current of only 10µA this switch series does not require a direction control signal to support bidirectional data transfer.

The new family offers SPST, SPDT and SP4T switch configurations. SPST versions are available in single-, 2-, 4- and 8-bit options, while SPDT and SP4T configurations are supplied as 4-bit and 2-bit respectively. The switches come with an output enable (OE) pin to

completely isolate A- and B-sides. For SPDT and SP4T configurations each switch is equipped with additional select pins for input/output configuration.

Depending on the device chosen this switch series comes in a wide variety of package options, ranging from SOT-353 size through TSSOP and VSSOP to Toshiba's VQON package.

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About Toshiba

Toshiba Electronics Europe (TEE) is the European Headquarters for the electronic components business of Toshiba Corporation, which is the world's fourth largest semiconductor vendor according to estimates by Dataquest.

Providing design, manufacturing, marketing and sales, TEE was formed in 1973 in Neuss, Germany. The company now has headquarters in Düsseldorf, Germany and subsidiaries in France, Italy, Spain, Sweden and the United Kingdom. Company president is Mr. Hitoshi Otsuka and the total number of personnel in Europe is around 300.

Toshiba Electronics Europe offers one of the industry's broadest IC and discrete product lines including high-end memory, microcontrollers, ASICs, ASSPs and display products for automotive, multimedia, consumer, telecoms and networking applications. The company also has a wide range of power semiconductor solutions.

Toshiba Corporation is a leader in information and communications systems, electronic components, consumer products and power systems. The company's integration of these wide-ranging capabilities assures its position as an innovator in advanced components, products and systems. Toshiba operates a global network of more than 730 companies, with 199,000 employees worldwide and annual sales surpassing US$67 billion.

For more company information visit Toshiba's web site at www.toshiba-components.com

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