



## **Toshiba adds new three-phase brushless fan motor controller IC**

*New device enables simple and easy switching of multi-pole motors*

**Düsseldorf, Germany, 01<sup>st</sup> August 2018** – Toshiba Electronics Europe today announced the launch of a new three-phase brushless fan motor controller IC for white good that realizes a high efficiency drive and noise reduction. Conventionally, motor control is carried out by a microcontroller and an 8-pole rotor using a rotation-control signal that delivers 3 pulses per cycle.

The new TB67B054FTG can control the rotation speed of a 12-pole rotor with a standard microcontroller system by using a rotation-control signal that delivers 2 pulses in a single cycle. Switching from an 8-pole to 12-pole rotor achieves higher drive efficiency and reduces system noise. However, rotation control for an 8-pole rotor can also be implemented, thereby shortening the development cycle. The controller is housed in a small surface-mount 32-pin

QFN type package, which has a 68% smaller mounting area (5.0mm x 5.0mm) than the widely used 30-pin SSOP package, thereby saving PCB space and allowing use in densely-populated applications.

Mass production for the TB67B054FTG has begun.

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### About Toshiba Electronics Europe

[Toshiba Electronics Europe GmbH](#) (TEE) is the European electronic components business of [Toshiba Electronic Devices and Storage Corporation](#). TEE offers European consumers and businesses a wide variety of innovative hard disk drive (HDD) products plus semiconductor solutions for automotive, industrial, IoT, motion control, telecoms, networking, consumer and white goods applications. The company's broad portfolio encompasses integrated wireless ICs, power semiconductors, microcontrollers, optical semiconductors, ASICs, ASSPs and discrete devices ranging from diodes to logic ICs.

TEE has headquarters in Düsseldorf, Germany, with branch offices in France, Italy, Spain, Sweden and the United Kingdom providing design, manufacturing, marketing and sales. Company president is Mr. Tomoaki Kumagai

For more company information visit TEE's web site at [www.toshiba.semicon-storage.com](http://www.toshiba.semicon-storage.com).

### Contact details for publication:

Toshiba Electronics Europe GmbH, Hansaallee 181, D-40549 Düsseldorf, Germany

Tel: +49 (0) 211 5296 0 Fax: +49 (0) 211 5296 79197

Web: [www.toshiba.semicon-storage.com/eu/company/news.html](http://www.toshiba.semicon-storage.com/eu/company/news.html)

E-mail: [solution-marketing@toshiba-components.com](mailto:solution-marketing@toshiba-components.com)

### Contact details for editorial enquiries:

Michelle Shrimpton, Toshiba Electronics Europe GmbH

Tel: +44 (0)193 282 2832

E-mail: [MShrimpton@teu.toshiba.de](mailto:MShrimpton@teu.toshiba.de)

### Issued by:

Birgit Schöniger, Publitek

Tel: +44 (0) 20 8429 6554

Web: [www.publitek.com](http://www.publitek.com)

E-mail: [birgit.schoeniger@publitek.com](mailto:birgit.schoeniger@publitek.com)

August 2018

Ref. 7109/A