

PRESS RELEASE**XCM519 series
600mA Synchronous Step-Down DC/DC Converter + Low Voltage Input LDO**

TOREX SEMICONDUCTOR LTD. (Chuo-Ku, Tokyo: President, Tomoyuki Fujisaka) announces the release of the XCM519 series of a multi chip module product which consists of a 600mA driver transistor built-in synchronous step-down DC/DC converter and a low voltage input LDO regulator..

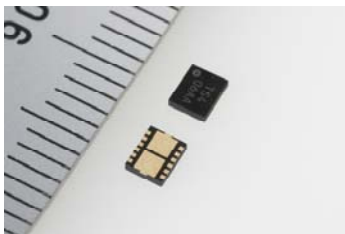
The XCM519 series operates within a range of 2.7V to 6.0V. Switching frequency can be selected from either 1.2MHz or 3.0MHz depending on the application. Also, the operating mode can be selected from either PWM control mode or PWM/PFM automatic switching control mode.

The DC/DC converter is completely independent of the LDO regulator thereby minimizing the impact of noise on the LDO. Directly connecting the output of the DC/DC converter to the low-input-voltage-enabled voltage regulator enables both high-efficiency, low-noise and low output voltages to be supplied. Further, the XCM519 offers a two-channel output solution but uses only one coil, thereby reducing the number of peripheral components needed and saving on board space when compared to using two step-down DC/DC converters.

The XCM519 series is available in an ultra small surface-mount USP-12B01 package (2.8mm x 2.3mm x 0.6mm).

【XCM519 Series Features】

- Input voltage range: 2.7V to 6.0V
- Output voltage range: 0.8V to 4.0V (DC/DC output); 0.7V to 1.8V @ 400mA (LDO output)
- Influence of noise from the DC/DC converter on the LDO is minimized as the two ICs are independent of each other
- Ability to provide a separate highly efficient, low noise low output voltage from an equally low DC/DC converter output
- Tiny USP-12B01 package for high-density mounting



▲ USP-12B01 (2.8mm x 2.3mm x 0.6mm MAX.)

For further information, please contact:

Singapore: TOREX SEMICONDUCTOR (S) PTE LTD

Tel: +65-6745-1352

E-mail: tsp@torex.com.sg

USA: TOREX USA Corp.

Tel: +1-949-261-2022

E-mail: info@torex-usa.com

Europe: TOREX SEMICONDUCTOR EUROPE LIMITED

Tel: +44-1530-510190

E-mail: sales@torexsemi.co.uk