FOR IMMEDIATE RELEASE

IXYS Contact: Dr. Octav Chirica
IXYS Corporation
Tel: 408-457-9000

IXYS Introduces New LED Driver ICs for Photo Flash Application

Biel, Switzerland and Milpitas, CA. December 10, 2009 – IXYS Corporation (NASDAQ: IXYS) announces today sample availability of the LDS8640/41 and LDS8680/81, innovative 2 channels, charge-pump based, high efficiency LED drivers with low dropout voltage for Photo Flash applications. The drivers provide full output power from a single-cell lithium ion battery or supply voltage in the range of 2.7V to 5.5 V.

The LDS8680 has two channels, one channel can drive one HB LED up to 800mA, and the other channel can drive up to 400mA. For flash applications using two HB LEDs, LDS8680 can simultaneously drive both HB LEDs at 400 mA each. The LDS8680 uses a patent pending SmartOne Wire™ interface to adjust LED currents ranging from 50 to 800 mA in 31 steps for one channel and from 50 to 400 mA in 15 steps for the other channel. It also allows PWM dimming to adjust LED brightness. Every channel may be turned on/off or programmed separately. The LDS8681 drives LEDs with a factory preset maximum LED current of 400 mA per channel and uses PWM dimming control for LED brightness adjustment.

The LDS8640/41 family is similar in function to the LDS8680/81, but with lower current ratings. The LDS8640 can drive one channel up to 400mA, and the other channel up to 200mA, or drive two HB LEDs simultaneously at 200mA each. The LDS8641 is factory preset to maximum LED current at 200mA per channel, with PWM dimming control.

The LDS8640/41 and LDS8680/81 drivers are ideal for HB LED photoflash for digital cameras, video cameras, cell phones, smart phones, flashlights and security light flashers, and allows either high current photo flash operations or photo flash and auto focus assistant LED to be used separately. Both LDS8680 and LDS8681 may be used in “cinema” mode with 60 or 120 flashes per second if pulse length does not exceed the LED’s thermal dissipation limit.

Each device can operate in 1-x and 2-x charge-pump modes and the inclusion of a low dropout PowerLite™ Current Regulator (PCR) operating down to 150 mV increases the device efficiency up to 90%.

The device exhibits a robust protection system (over-voltage, over-temperature, under-voltage and short-circuit), while the shutdown current is below 1 microA.

To protect HB LEDs from thermal damage, a timeout protection is permanently “on” in the LDS8641/81, while it can be disabled by SmartOne Wire™ interface in the LDS8640/80.

These drivers require only three small external components, and are available in a tiny 2 x 3 x 0.8 mm 8-pin TDFN package for thin profile applications.

Additional product information may be obtained by visiting IXYS website at http://www.ixys.com, or by contacting the company directly.

About IXYS Corporation

IXYS Corporation makes and markets technology-driven products to improve power conversion efficiency, generate solar and wind power and provide efficient motor control for industrial applications. IXYS offers a diversified product base that addresses worldwide needs for power control, electrical efficiency, renewable energy, telecommunications, medical devices, electronic displays and RF power.

Safe Harbor Statement

Any statements contained in this press release that are not statements of historical fact, including the performance, advantages, rating, availability, reliability, efficiency and suitability of products for various applications, may be deemed to be forward-looking statements. There are a number of important factors that could cause the results of IXYS to differ materially from those indicated by these forward-looking statements, including, among others, risks detailed from time to time in the Company's SEC reports, including its Form 10-Q for the quarter ended September 30, 2009. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.