

PRESS RELEASE

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IXYS Clare Introduces New Family of 4A Dual-Channel Gate Drivers

IXD_604 Gate Driver ICs are ideal for driving IXYS power MOSFETs and IGBTs

Beverly, MA and Biel, Switzerland. July 6, 2010 - IXYS Corporation (NASDAQ:IXYS) and Clare, Inc., a wholly owned subsidiary of IXYS, announces the immediate availability of the IXD_604 family of 4A dual-channel low-side gate driver ICs. The IXD_604, the first of a series of high current, low side gate driver ICs to be offered by Clare, is especially well suited for driving IXYS' power MOSFETs and IGBTs. Each of the two outputs can source and sink 4A of peak current while producing rise and fall times of less than 10ns. The input of each driver is virtually immune to latch-up, and proprietary circuitry eliminates cross conduction and current "shoot-through". The IXD_604 can operate with supply voltages from 4.5V to 35V, and is specified over the minus 40 degrees Centigrade to plus 125 degrees Centigrade automotive temperature range. Low propagation delays, and fast and matched rise and fall times makes the IXD_604 ideal for high frequency and high power applications.

The IXDD604 is a dual non-inverting driver with output enables. The IXDN604 is a dual non-inverting driver, the IXDI604 is a dual inverting driver, and the IXDF604 is a dual with one inverting and one non-inverting driver.

"These drivers complement the wide selection of Power MOSFETs and IGBTs that IXYS offers. The combination of the IXYS power semiconductor and Clare's IC design expertise led to the introduction of these rugged new generations of gate drivers which are also compatible with the ZILOG microcontrollers for digital power management. With our high side drivers and isolated gate driver technology, we offer a wide range of gate drivers, that simplify the design of power switching circuits," commented Dr. Nathan Zommer, CEO of IXYS Corporation.

The IXD_604 family is available in a standard 8-pin DIP, an 8-lead SOIC, a thermally enhanced 8-lead SOIC with an exposed grounded metal back, and an 8-lead DFN package.

About Clare and IXYS Corporation

Clare, Inc., a leader in the design and manufacture of solid state relays and high voltage integrated circuits, is a wholly owned subsidiary of IXYS Corporation. IXYS

Corporation develops and markets primarily high performance power semiconductor devices that are used in controlling and converting electrical power efficiently in power systems for the telecommunication internet infrastructure, motor drives, medical systems, solar energy, wind energy, electrical generators and transportation. IXYS also serves its markets with a combination of digital and analog integrated circuits, RF power products and power subsystems including application-specific, embedded system-on-chip (SoC) solutions for the industrial and consumer markets manufactured by its wholly owned subsidiary, Zilog, Inc. Additional information about Clare, IXYS and Zilog may be found at www.clare.com, www.ixys.com and www.zilog.com.

Safe Harbor Statement

Any statements contained in this press release that are not statements of historical fact, including the performance, rating, availability, reliability 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-K for the fiscal year ended March 31, 2010. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.