

PRESS RELEASE

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IXYS and Clare Introduce New 30A Gate Driver

IXD_630 Gate Driver IC Family Features Industry's Highest Current Capability

Beverly, MA and Biel, Switzerland. June 16, 2011 – IXYS Corporation (NASDAQ:IXYS) and Clare, Inc., a wholly owned subsidiary of IXYS, announce the immediate availability of the IXD_630 low-side gate driver family. The IXD_630 output can source and sink a peak of 30A, making it the highest current rated gate driver in the IC industry and in Clare's extensive IXD_600 gate driver portfolio. The very high current capability of the IXD_630 IC family makes them well suited to drive the largest IXYS power MOSFETs and IGBTs.

The IXD_630 can operate with supply voltages up to 35V, and is specified over the minus 40 degrees Centigrade to plus 125 degrees Centigrade automotive temperature range. Typical rise and fall times are only 11ns with a 5.6nF load. The IXD_630 features an under-voltage lockout (UVLO) circuit that holds the output LOW until sufficient supply voltage is applied. The IXD_630 UVLO threshold of 12.5V is suitable for IGBT applications, while the IXD_630M UVLO threshold of 9V is intended for MOSFET applications. Internal circuitry prevents cross conduction and current "shoot-through," and the driver is virtually immune to latch-up. The IXD_630 replaces discrete gate driver circuits with cost and PCB savings. End applications include high-power DC-DC converters, motor drives, and 3-phase inverters.

The IXD_630 is available as a non-inverting driver with an output enable (IXDD630 and IXDD630M), an inverting driver (IXDI630 and IXDI630M), and a non-inverting driver (IXDN630 and IXDN630M). The IXD_630 is available in a 5-lead TO-220 package and a 5-lead TO-263 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 quarter ended March 31, 2011. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.