

## **PRESS RELEASE**

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### **Clare's Most Rugged Dual LCAS IC has the Highest dV/dt Ratings in the Industry**

*First Dual Line Card Access Switch (LCAS) IC has 1500V/use dV/d t Ratings for Central Office, Integrated Voice & Data and DSLAM Telephony Applications*

Beverly, MA, August 4, 2009 – Clare, Inc., a wholly owned subsidiary of IXYS Corporation (NASDAQ:IXYS) today released their 1<sup>st</sup> Dual 6-pole LCAS IC. The CPC75282 has the highest dV/dt rating (1500V/usec minimum), for all on-chip bidirectional switching power devices. This best-in-class dV/dt robustness rating makes the CPC75282 dual LCAS device the most reliable solution for the public switch telephone network (PSTN) which is commonly subjected to lightning or surge events.

The dV/dt enhancement for the CPC75282 device is made using Clare's silicon-on-insulator (SOI), 330V BCDMOS process with trench isolation, used for many years in central office (CO) telecom equipment requiring long operational life (20+ years). This rugged high voltage integrated circuit technology can also be used in communication over power line, monitoring and remote metering applications.

The integrated LCAS IC in TQFP packaging provides the electrical switching functionality of four mechanical 2-Form-C relays, enabling higher density line card designs, and provides a drop-in upgrade and second-source replacement of the Le75282. The LCAS IC features digitally-controlled high-voltage switches used between a Subscriber Line Interface Chip (SLIC) and the PSTN tip/ring line. The CPC75282 provides make/break switch functions for battery feed, ringing, line test-out and ringing test. It also has integrated current-limiting and thermal shutdown which works in conjunction with a voltage clamp, providing superior protection for the SLIC. Additionally, the LCAS IC requires only a +5V supply for operation.

The dual 6-pole CPC75282 is fully specified over the -40 to +85 degrees Centigrade industrial temperature range and is available in an industry standard 44-lead TQFP package in production quantities.

#### **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. Additional information about Clare and IXYS may be found at [www.clare.com](http://www.clare.com) and [www.ixys.com](http://www.ixys.com), or by sending an email to [info@clare.com](mailto:info@clare.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-Q for the fiscal quarter ended June 30, 2009. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.