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IXYS Announces a Power Reference Design Based on the IXIDM1401 Isolated Gate Driver IC Module

Leiden, Netherlands and Milpitas, CA. May 9, 2017 – IXYS Corporation (NASDAQ: IXYS), a global manufacturer of power semiconductors and ICs for energy efficiency, power management, transportation, medical, and motor control applications, today announced the availability of a full power reference design based on the IXIDM1401 isolated gate driver and a 1200V phase-leg IXYS IGBT module.

This design integrates the 1200V phase-leg IXYS XPT™ IGBT MIXA225PF1200TSF and 4000V isolated driver module IXIDM1401_1505_M (a molded version of the IXIDM1401) into one functional power device that can be controlled by a microcontroller (MCU) through a 4kV isolation barrier. It can be powered from a single polarity 15V power supply.

Built using the IX6610/11 gate driver chipset, the IXIDM1401 allows a 3.3 V microcontroller, through an isolation barrier, to control IGBTs and MOSFETs. The IGBT module consists of two short-circuit capable XPT™ IGBTs rated at 360A, along with two freewheeling diodes in the half-bridge configuration and a built-in temperature sensing and protection capability.

The design consists of a base power board (3.9 x 2.45 x 0.1 inches) with the gate driver and IGBT modules attached to it. The power board is a two-layer surface-mount and provides connections between the MIXA225PF1200TSF and IXIDM1401. It also contains resistor dividers that limit the de-saturation voltage of the IGBTs. The dimensions with the modules installed measures 6 x 2.45 x 1.75 inches. Schematics and bills of material are available.

This design provides a platform to develop a variety of power management applications, including MCU-controlled motor drives, UPS, power supplies, automotive and transportation, inverters and high-power converters.

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

About IXYS Corporation

Since its founding, IXYS Corporation has been developing power semiconductors and mixed signal ICs to improve power conversion efficiency, generate solar and wind power and provide efficient motor control for industrial applications. IXYS, and its subsidiary companies, offer a

diversified product base that addresses worldwide needs for power control in the growing cleantech industries, renewable energy markets, telecommunications, medical devices, transportation applications, flexible displays and RF power.

Safe Harbor Statement

Any statements contained in this press release that are not statements of historical fact, including the performance, features 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 December 31, 2016. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.