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FOR IMMEDIATE RELEASE

Micropac Industries Develops DC-DC Converter

GARLAND (March 15, 2013) – Micropac Industries, Inc. (MPAD) has developed a DC-DC converter that utilizes the Intersil 70001 point-of-load regulator as a core element. This announcement was made at the recent shareholder’s meeting held in Garland, Texas. The Micropac 56000 DC-DC converter is designed to provide up to 6A output current at voltages from 0.8 to 3.3V at up to 125°C. The TID and SEE radiation hardened converter uses current-mode control operating at 1 MHz. The baseplate is used as the heat sink for optimum thermal performance.

Because weight is a significant concern for space flight applications, the 56000 converter uses a light-weight open architecture that provides hermetic protection for the integrated circuits while positioning larger passive devices adjacent to the hermetically sealed IC’s, achieving a total weight of 30 grams.

The 56000 converter provides numerous features including:

- Programmable soft start.
- Power good indicator.
- Output under-voltage and over-current protection.
- Input under-voltage protection.
- Automatic restart after fault.
- Synchronized parallel operation for greater than 6 amp applications.

The 56000 converter provides significant benefits to the system designer including:

- Radiation tolerant.

- Reduced weight.
- Significant size reduction through the elimination of support circuitry.
- Simplified power conversion architecture.
- Guaranteed performance over temperature range and load conditions.
- Significant reduction in system design engineering cost.
- Reduces time to market.

The 56000 converter is designed to provide power for FPGA's, DSP's and Microcontrollers in satellite and space system applications.

About Micropac Industries

Founded in 1963, Micropac Industries, Inc. is a diversified, high technology company located in Garland, Texas, specializing in high reliability microcircuit multi-chip modules, Hall Effect devices and optoelectronic components/assemblies. Micropac develops and manufactures complete custom designs to meet specific customer applications and requirements. Our products are being used throughout the world in a wide variety of military/aerospace, space, medical and industrial applications. Visit www.micropac.com for more information.

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