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## Press Release

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### **IA8044 and IA8344 are Drop-In Replacements for Discontinued ICs**

#### **innovASIC Replacements are “Plug-and-Play” with Original Device**

*Albuquerque, N.M., May 1, 2001* – innovASIC, the world’s premier supplier of replacement integrated circuits, today announced the availability of “plug-and-play”, drop-in replacement ICs for the Intel® 8044 and 8344 SDLC Communications Controller. innovASIC’s versions of the ICs are identified as the IA8044 and the IA8344. The availability of these replacement ICs offers customers competitively priced, long-life alternatives to designing the discontinued parts out of their system and the costs associated with life time buys. The IA8044 and the IA8344 are 8051-based, 8-Bit Microcontrollers with an integrated SDLC/HDLC serial interface controller. The IA8044 contains an internal 4KB ROM with R0117 version 2.1 Firmware, while the IA8344 is the ROMless version. These innovASIC microcontrollers are 100% instruction set compatible with the original device and have the same interrupt structure, address modes, and memory map. Typical applications for these parts include instrumentation, industrial controls, intelligent computer peripherals, as well as any applications supporting Bitbus. Data sheets and samples are available directly from innovASIC ([www.innovasic.com](http://www.innovasic.com)).

#### **About the Technology**

innovASIC produces replacement ICs using its MILES™, or Managed IC Lifetime Extension System, cloning technology. MILES™ consists of a proprietary methodology, copyrighted software and advanced EDA tools to clone the original IC. This technology produces replacement ICs far more

complex than “emulation” while ensuring they are compatible with the original IC. MILES™ captures the design of a clone so it can be produced even as silicon technology advances. MILES™ also verifies the clone against the original IC so that even the “undocumented features” are duplicated.

### **About innovASIC**

Originally founded in 1992, innovASIC’s roots are in complex digital IC design ranging from specialized algorithms to graphics, communications and processors. As semiconductor manufacturers began to discontinue their ASIC lines, innovASIC provided customers with a solution by converting ASICs to newer technology. This experience grew into converting standard IC products into form, fit and function compatible replacement ICs. Today, many of innovASICs replacement IC products are operating in the systems built by major defense contractors, Fortune 500 electronics manufacturers, niche high-tech companies, and specialty service providers. For further information, contact Mike Berg, V.P., Sales and Marketing, at 505.883.5263 x128 or email inquiries to [replacement.ic@innovasic.com](mailto:replacement.ic@innovasic.com). Visit innovASIC’s website at [www.innovasic.com](http://www.innovasic.com). Corporate headquarters are located at 3737 Princeton NE, Suite 130, Albuquerque, New Mexico, 87107.