

**FOR IMMEDIATE RELEASE**

**Picor Introduces Hot-Swap SiP  
with Active EMI Filter**

**Meets AdvancedTCA PICMG3.0 Requirements**

No. Smithfield, RI, June 7, 2005...Picor, a subsidiary of Vicor Corporation (NASDAQ:VICR), today introduced the QPI-8, the industry's first System-in-a-Package (SiP) device designed to integrate the total Hot-Swap function with an active EMI filter. As a complete solution, this integrated device greatly reduces product complexity and enables live insertion of plug-in cards and simultaneous EMI noise suppression for DC-DC converter applications. The QPI-8 complies with AdvancedTCA™ PICMG3.0@ requirements for hot insertion and board-level conducted noise limitations to meet EN55022 class B levels. At only 0.2" high, this low-profile product simplifies the design challenge while occupying just one square inch of valuable PCB space.

The EMI filter section provides active conducted common-mode and differential-mode noise attenuation from 150 kHz to 30 MHz. The QPI-8 is designed for use on a 48- or 60-volt DC bus (36-76 Vdc). The in-rush current limit and circuit breaker functions are designed to support PICMG3.0 hold-up capacity requirements and 200 W per board limit up to 70°C PCB temperature.

The under- and over-voltage features include hysteresis and are nominally set to 34 and 76 volts, respectively, and can be individually trimmed using external series resistors. The Power Good output provides opto-coupler drive that can be configured to enable downstream DC-DC converters with either active low or active high enable inputs.

"As the first product designed to comply with AdvancedTCA™ requirements and integrate in-rush current slew rate control, circuit breaker function, and active EMI filter for conducted noise suppression in a small, low-profile SiP, the QPI-8 saves designers valuable board space and greatly reduces design complexity and product time to market." said Bob Lanoue, Picor Systems & Applications Manager.

The QPI-8 is available in a 1.0" x 1.0" x 0.2" SiP with LGA mounting. It is packaged in anti-static tubes and is priced at \$15.85 per 1,000-piece quantity. Delivery: stock to 6 weeks. QPI-8-EVAL1 kits are available with a mounted QPI-8 with screw terminals for easy insertion and testing. For a data sheet and other information, please visit [www.picorpower.com](http://www.picorpower.com). To order, contact Vicor Express at 800-735-6200 or e-mail [vicorexp@vicr.com](mailto:vicorexp@vicr.com).

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