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#### **For Immediate Release**

### **QP Semiconductor Announces Fully Qualified Replacement Parts for the Atmel ATV2500BQ (5962-9154506)**

**SANTA CLARA, Calif., — June 19, 2007** — QP Semiconductor has completed a redesign of the obsolete Atmel ATV2500B family of high-speed CPLDs (Complex Programmable Logic Devices). The first offering, to be sampled in July, is the BQ or quarter power version. The company also plans to introduce the remainder of the ATV2500B CPLD family (B, BL, and BQL) later this year. All devices will be QML certified on 5962-91545XX.

Packaging is consistent with the original UV erasable devices: ceramic packages in 44 pin LLCC or JLCC and in a 40-pin DIP. The QPV2500BQs are fabricated on a 0.45-micron CMOS process offering high speed, low power consumption, and high-noise immunity. The PLD array uses EPROM technology that allows reprogramability of the array and is more reliable than bipolar fusible link technology. The parts are available in either full military or industrial grade versions.

#### **Key features**

Like the original, the QPV2500B offers:

- A fully connected logic array where each array input is available to every product term.
- Selectable registers where each flip-flop can be configured as either a T- type or D- type.
- Buried combinatorial feedback where the Q2 register in any macrocell may be bypassed to feed the input back to the logic array.
- Selectable synchronous/asynchronous clock of any of the flip-flops which allows the registers to use any clock.
- 48 registers created from two flip-flops per macrocell, each with its own clock and reset and sum terms.
- As noted above, each I/O pin has a dedicated input path and each of the 48 registers has a dedicated feedback term.
- Macrocell combinable sum terms where each macrocell's 3 sum terms may be combined into a single term.

The QPV2500B family is supported by several programmers. QP Semiconductor recommends the Data I/O Unisite programmer.

For pricing, please contact QP Semiconductor at [www.qpsemi.com](http://www.qpsemi.com).

**About QP Semiconductor**

QP Semiconductor is a privately held California company founded in 1985. The company was initially formed to provide semiconductor assembly, electrical test and qualification services to the military, aerospace and high reliability industries. Over the last seven years, the company has evolved into a true fabless semiconductor company that designs, re-engineers and provides a full range of manufacturing capabilities to extend the life of classic ICs for a host of mission-critical programs. The company focuses on providing replacement hermetic parts for DMS, (Diminished Manufacturing Sources) and EOL (End of Life) products.

QP Semiconductor ranks today as one of the largest fabless manufacturers of high-reliability hermetic ICs for military & aerospace systems. The company provides over 11% of all QML part numbers listed by the Defense Supply Center, Columbus (DSCC).

QP Semiconductor is headquartered in Santa Clara, California with sales representation throughout the world. For more information, please visit [www.qpsemi.com](http://www.qpsemi.com).

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