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For Immediate Release

QP Semiconductor Extends Life of Cypress CY7C46x FIFO Memory

SANTA CLARA, Calif., — October 29, 2007 — QP Semiconductor today announced that it will continue the offering of the Cypress CY7C46x asynchronous, cascadable First-In First-Out (FIFO) Memory family. QP has procured Cypress' CY7C46x wafer inventory and will continue to manufacture the discontinued family of integrated circuits as a full line of products including military approved SMD (Standard Microcircuit Drawing) devices, Industrial and Commercial Plastic, all manufactured using the original Cypress die.

"QP Semiconductor is pleased to take over this EOL (end-of-life) line and to continue to offer these niche devices to the market," said Jim Townsend, marketing director. He adds, "This further demonstrates our company's commitment to extending the life of mission critical ICs to meet on-going demand, particularly for mil-aero, industrial and high reliability applications."

QP Semiconductor will offer the four devices in the family, the CY7C460A, CY7C462A, CY7C464A, and CY7C466A, which are respectively, 8K, 16K, 32K, and 64K word by 9-bit wide FIFO memories. (SMD device numbers are, respectively: 5962-916770xMxx, 5962-931770xMxx, 5962-931520xQxx, and 5962-996150xQYA).

Packaging is consistent with the original devices: 32-lead PLCC, 28-lead molded (plastic) 300 mil DIP, and for military 32-pin rectangular LCC packages. The devices are fabricated on Cypress' 0.5 μ high speed, low power RAM3 CMOS technology.

Key features

- Each FIFO memory is organized such that the data is read in the same sequential order that it was written.
- Full and Empty flags are provided to prevent overrun and underrun.
- Three additional pins are also provided to facilitate unlimited expansion in width, depth, or both.
 - The depth expansion technique steers the control signals from one device to another by passing tokens.
- The read and write operations may be asynchronous; each can occur at a rate of up to 50 MHz.

Quantities for production are available today. For pricing or further information, please contact QP Semiconductor at 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.

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