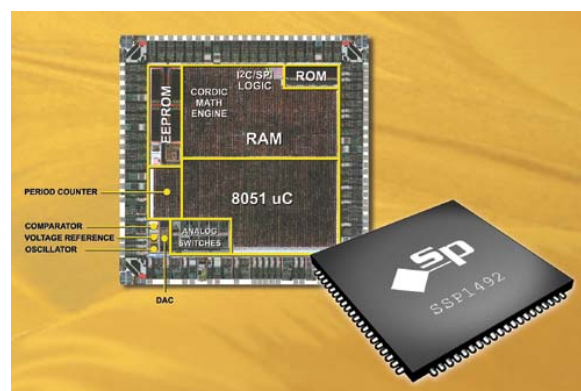


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Universal Turn-Key Sensor Signal Processor Chip From Sensor Platforms, Inc.

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ECN

Sensor Platforms, Inc. introduces the SSP1492 Sensor Signal Processor, a low cost, low power, flexible sensor signal drive, acquisition and processing platform that enables effortless development, cost-effective manufacturing and improved time-to-market of sensor applications. It utilizes innovative proprietary technologies that enable direct and simultaneous interfacing to almost all sensor-element types. The SSP1492 simultaneously works with resistive, capacitive, inductive, voltage and pulsed sensor elements (both MEMS and bulk-based) all on the same chip. A high speed pipelined 8051 micro-controller core and up to 15 sensor input channels allow for highly flexible, multi-sensor configurations. Additional features include two powerful hardware math engines and a software floating-point engine for high order output linearization and temperature compensation, a band-gap voltage regulator for power source stability and an SPI/I2C serial data communication protocol for interfacing to a host processor. An on-board RC oscillator with an external clock option for high accuracy applications, data EEPROM for non-volatile storage of factory calibration coefficients and user settings, and user-customizable firmware memory space further enhance performance, flexibility and product development cost. The SSP1492's low operating voltage of 2.3V, low power consumption and its hardware-based SPI/I2C serial data interface also makes it appropriate for high volume, battery-powered consumer and commercial applications. **Sensor Platforms, Inc.** Click on this URL for more: www.rbi-infolink.com/infolinksearch.aspx/resultsframe.aspx?pub=EC&isn=5H17187



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